



**STATE OF MICHIGAN**  
**CENTRAL PROCUREMENT SERVICES**  
 Department of Technology, Management, and Budget  
 320 S. WALNUT ST., LANSING, MICHIGAN 48933  
 P.O. BOX 30026 LANSING, MICHIGAN 48909

**CONTRACT CHANGE NOTICE**

Change Notice Number **8**  
 to  
 Contract Number **071B6600119**

<b>CONTRACTOR</b>	D & K TRUCK COMPANY
	3020 Snow Rd
	Lansing, MI 48917
	Edward Merrill
	517-484-1905
	emerrill@dktruck.com
	CV0019340

<b>STATE</b>	<b>Program Manager</b>	Scott Poyer	MDOT
		517-284-6448	
		poyers@Michigan.gov	
	<b>Contract Administrator</b>	Yvon Dufour	DTMB
		(517) 249-0455	
		dufour@michigan.gov	

**CONTRACT SUMMARY**

<b>VEHICLES - CAB &amp; CHASSIS</b>			
<b>INITIAL EFFECTIVE DATE</b>	<b>INITIAL EXPIRATION DATE</b>	<b>INITIAL AVAILABLE OPTIONS</b>	<b>EXPIRATION DATE BEFORE</b>
October 19, 2016	November 30, 2021	1 - 2 Year	November 30, 2023
<b>PAYMENT TERMS</b>		<b>DELIVERY TIMEFRAME</b>	
NET 45			
<b>ALTERNATE PAYMENT OPTIONS</b>			<b>EXTENDED PURCHASING</b>
<input type="checkbox"/> P-Card	<input type="checkbox"/> PRC	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

**MINIMUM DELIVERY REQUIREMENTS**

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**DESCRIPTION OF CHANGE NOTICE**

<b>OPTION</b>	<b>LENGTH OF OPTION</b>	<b>EXTENSION</b>	<b>LENGTH OF EXTENSION</b>	<b>REVISED EXP. DATE</b>
<input type="checkbox"/>		<input type="checkbox"/>		November 30, 2023
<b>CURRENT VALUE</b>	<b>VALUE OF CHANGE NOTICE</b>	<b>ESTIMATED AGGREGATE CONTRACT VALUE</b>		
\$28,500,001.00	\$0.00	\$28,500,001.00		

**DESCRIPTION**

Effective 11/14/2022 pricing on this contract is hereby updated, per revised Schedule D1 - Pricing. All other terms, conditions, specifications and pricing remain the same. Per contractor request, and DTMB Procurement approval.

SPEC #	DESCRIPTION	MODEL YEAR	MAKE	MODEL	CONTRACT	BASE PRICE	DELIVERY /MILE	NOTES
3958-0096D	MEDIUM DUTY TRUCK 4X4: CAB AND CHASSIS, (G.V.W.R. 25,950 lbs., min.), DIESEL, (Body & Payload-Approx. 13,000 lbs.)	2023	Freightliner	M2106 SBA 4x2 AT	D & K Trucks 071B6600119	\$67,138.00	\$1.85	Pricing is for regular cab base truck, and no options.
3958-0096D	MEDIUM DUTY TRUCK 4X4: CAB AND CHASSIS, (G.V.W.R. 25,950 lbs., min.), DIESEL, (Body & Payload-Approx. 13,000 lbs.)	2023	Freightliner	M2106 SBA 4x2 Manual	D & K Trucks 071B6600119	\$63,048.00	\$1.85	Pricing is for regular cab base truck, and no options.
3958-0096D	MEDIUM DUTY TRUCK 4X4: CAB AND CHASSIS, (G.V.W.R. 25,950 lbs., min.), DIESEL, (Body & Payload-Approx. 13,000 lbs.)	2023	Freightliner	M2106 SBA 4x4 AT	D & K Trucks 071B6600119	\$82,210.00	\$1.85	Pricing is for regular cab base truck, and no options.
3958-0096D	MEDIUM DUTY TRUCK 4X4: CAB AND CHASSIS, (G.V.W.R. 25,950 lbs., min.), DIESEL, (Body & Payload-Approx. 13,000 lbs.)	2023	Freightliner	M2106 SBA 4x4 Manual	D & K Trucks 071B6600119	\$78,120.00	\$1.85	Pricing is for regular cab base truck, and no options.
3958-0134	HEAVY DUTY TRUCKS: CAB AND CHASSIS, (G.V.W.R. 21,000 lbs., min.), LOW PROFILE	2023	Freightliner	M2106 SBA 4x2	D & K Trucks 071B6600119	\$62,147.00	\$1.85	Pricing is for regular cab base truck, and no options.
3958-0135D	HEAVY DUTY TRUCKS: CAB AND CHASSIS, DIESEL, (G.V.W.R. 23,500 lbs., min.)	2023	Freightliner	M2106 SBA 4x2	D & K Trucks 071B6600119	\$62,147.00	\$1.85	Pricing is for regular cab base truck, and no options.
3958-0136D	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 21,000 lbs., min.), DIESEL	2023	Freightliner	M2106 SBA 4x2	D & K Trucks 071B6600119	\$62,147.00	\$1.85	Pricing is for regular cab base truck, and no options.
3958-0160D (Option "A")	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 33,000 lbs., min.), DIESEL	2023	Freightliner	M2106 SBA 4x2 M2-106-B6.7 Cummins	D & K Trucks 071B6600119	\$73,810.00	\$1.85	Pricing is for regular cab base truck, and no options.
3958-0160D (Option "A")	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 33,000 lbs., min.), DIESEL	2023	Western Star	47X Reg Cab	D & K Trucks 071B6600119	\$85,701.00	\$1.85	Pricing is for regular cab base truck, and no options.
3958-0160D (Option "B")	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 33,000 lbs., min.), DIESEL	2023	Freightliner	108SD SBA 4x2 108SD-B6.7 Cummins	D & K Trucks 071B6600119	\$73,810.00	\$1.85	Pricing is for regular cab base truck, and no options.
3958-0160D (Option "C")	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 33,000 lbs., min.), DIESEL	2023	Freightliner	108SD SBA 4x2 108SD-L9 Cummins	D & K Trucks 071B6600119	\$73,475.00	\$1.85	Pricing is for regular cab base truck, and no options.
3958-0164D	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 27,000 LBS., MIN.), DIESEL	2023	Freightliner	M2106 SBA 4x2	D & K Trucks 071B6600119	\$63,705.00	\$1.85	Pricing is for regular cab base truck, and no options.
3958-0170D	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R 44,000 lbs., min.), 305HP DIESEL ENGINE, SINGLE AXLE, DIESEL	2023	Freightliner	114SD SBA 4x2	D & K Trucks 071B6600119	\$96,982.00	\$1.85	Pricing is for regular cab base truck, and no options.
3958-0170D	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R 44,000 lbs., min.), 305HP DIESEL ENGINE, SINGLE AXLE, DIESEL	2023	Western Star	47X Reg Cab	D & K Trucks 071B6600119	\$105,925.00	\$1.85	Pricing is for regular cab base truck, and no options.

3958-0172D	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 64,000lbs., min.) TANDEM AXLE, 370HP DIESEL ENGINE, WALKING BEAM AND SPRING SUSPENSION	2023	Freightliner	114SD SFA 6x4	D & K Trucks 071B6600119	\$110,879.00	\$1.85	Pricing is for regular cab base truck, and no options.
3958-0172D	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 64,000lbs., min.) TANDEM AXLE, 370HP DIESEL ENGINE, WALKING BEAM AND SPRING SUSPENSION	2023	Western Star	47X Reg Cab	D & K Trucks 071B6600119	\$122,435.00	\$1.85	Pricing is for regular cab base truck, and no options.
3958-0172D	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 64,000lbs., min.) TANDEM AXLE, 370HP DIESEL ENGINE, WALKING BEAM AND SPRING SUSPENSION	2023	Western Star	49X Reg Cab	D & K Trucks 071B6600119	\$128,313.00	\$1.85	Pricing is for regular cab base truck, and no options.
3958-0173D	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 52,000lbs., min.), TANDEM-Diesel Engine,(Not Intended to be equipped with an Underbody Snow Plow)	2023	Freightliner	114SD SBA 6x4	D & K Trucks 071B6600119	\$89,175.00	\$1.85	Pricing is for regular cab base truck, and no options.
3958-0173D	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 52,000lbs., min.), TANDEM-Diesel Engine,(Not Intended to be equipped with an Underbody Snow Plow)	2023	Western Star	47X Reg Cab	D & K Trucks 071B6600119	\$112,805.00	\$1.85	Pricing is for regular cab base truck, and no options.
3958-0178D	HEAVY DUTY TRUCKS: TRACTOR: (G.C.W.R. 70,000lbs., min.), TANDEM AXLE, DIESEL	2023	Freightliner	114SD SBA 6x4	D & K Trucks 071B6600119	\$100,805.00	\$1.85	Pricing is for regular cab base truck, and no options.
3958-0178D	HEAVY DUTY TRUCKS: TRACTOR: (G.C.W.R. 70,000lbs., min.), TANDEM AXLE, DIESEL	2023	Western Star	47X Reg Cab	D & K Trucks 071B6600119	\$114,595.00	\$1.85	Pricing is for regular cab base truck, and no options.



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**CONTRACT CHANGE NOTICE**

Change Notice Number 7  
 to  
 Contract Number 071B6600119

<b>CONTRACTOR</b>	D & K TRUCK COMPANY
	3020 Snow Rd
	Lansing, MI 48917
	Edward Merrill
	517-484-1905
	emerrill@dktruck.com
	CV0019340

<b>STATE</b>	Program Manager	Scott Poyer	MDOT
		517-284-6448	
	poyers@Michigan.gov		
	Contract Administrator	Yvon Dufour	DTMB
(517) 249-0455			
dufour@michigan.gov			

**CONTRACT SUMMARY**

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<b>INITIAL EFFECTIVE DATE</b>	<b>INITIAL EXPIRATION DATE</b>	<b>INITIAL AVAILABLE OPTIONS</b>	<b>EXPIRATION DATE BEFORE</b>
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NET 45			
<b>ALTERNATE PAYMENT OPTIONS</b>			<b>EXTENDED PURCHASING</b>
<input type="checkbox"/> P-Card	<input type="checkbox"/> PRC	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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<input type="checkbox"/>		<input type="checkbox"/>		November 30, 2023
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\$28,500,001.00	\$0.00	\$28,500,001.00		

**DESCRIPTION**

Effective 10/27/2022, pricing on this contract is hereby updated, per revised Schedule D1 - Pricing. All other terms, conditions, specifications and pricing remain the same. Per contractor proposal, and DTMB Procurement approval.

**Current market conditions may result in the following:**

- 1) Current pricing may not be available.
- 2) Purchase orders may be required as "order verification".
- 3) Ordering dates for particular makes and models have passed.
- 4) Future ordering dates for particular makes and models are within a very small window of time.
- 5) Pricing is subject to change until the vehicle is scheduled for a final production date.

Spec #	DESCRIPTION	Year	Make	Model	Awarded Dealer	MI Deal \$	Delivery Fee (Per mile)	Notes
3958-0096D	MEDIUM DUTY TRUCK 4X4: CAB AND CHASSIS, (G.V.W.R. 25,950 lbs., min.), DIESEL, (Body & Payload-Approx. 13,000 lbs.)	2023	Freightliner	M2106 SBA 4x2 AT	D & K Trucks 071B6600119	\$67,138.00	\$1.85	Pricing is for regular cab base truck, and no options.
3958-0096D	MEDIUM DUTY TRUCK 4X4: CAB AND CHASSIS, (G.V.W.R. 25,950 lbs., min.), DIESEL, (Body & Payload-Approx. 13,000 lbs.)	2023	Freightliner	M2106 SBA 4x2 Manual	D & K Trucks 071B6600119	\$63,048.00	\$1.85	Pricing is for regular cab base truck, and no options.
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3958-0134	HEAVY DUTY TRUCKS: CAB AND CHASSIS, (G.V.W.R. 21,000 lbs., min.), LOW PROFILE	2023	Freightliner	M2106 SBA 4x2	D & K Trucks 071B6600119	\$62,147.00	\$1.85	Pricing is for regular cab base truck, and no options.
3958-0135D	HEAVY DUTY TRUCKS: CAB AND CHASSIS, DIESEL, (G.V.W.R. 23,500 lbs., min.)	2023	Freightliner	M2106 SBA 4x2	D & K Trucks 071B6600119	\$62,147.00	\$1.85	Pricing is for regular cab base truck, and no options.
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3958-0160D (Option "A")	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 33,000 lbs., min.), DIESEL	2023	Western Star	47X Reg Cab	D & K Trucks 071B6600119	\$85,701.00	\$1.85	Pricing is for regular cab base truck, and no options.
3958-0160D (Option "B")	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 33,000 lbs., min.), DIESEL	2023	Freightliner	108SD SBA 4x2 108SD-B6.7 Cummins	D & K Trucks 071B6600119	\$73,810.00	\$1.85	Pricing is for regular cab base truck, and no options.
3958-0160D (Option "C")	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 33,000 lbs., min.), DIESEL	2023	Freightliner	108SD SBA 4x2 108SD-L9 Cummins	D & K Trucks 071B6600119	\$73,475.00	\$1.85	Pricing is for regular cab base truck, and no options.
3958-0164D	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 27,000 LBS., MIN.), DIESEL	2023	Freightliner	M2106 SBA 4x2	D & K Trucks 071B6600119	\$63,705.00	\$1.85	Pricing is for regular cab base truck, and no options.
3958-0170D	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R 44,000 lbs., min.), 305HP DIESEL ENGINE, SINGLE AXLE, DIESEL	2023	Freightliner	114SD SBA 4x2	D & K Trucks 071B6600119	\$96,982.00	\$1.85	Pricing is for regular cab base truck, and no options.
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3958-0172D	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 64,000lbs., min.) TANDEM AXLE, 370HP DIESEL ENGINE,	2023	Freightliner	114SD SFA 6x4	D & K Trucks 071B6600119	\$110,879.00	\$1.85	Pricing is for regular cab base truck, and no options.
3958-0172D	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 64,000lbs., min.) TANDEM AXLE, 370HP DIESEL ENGINE,	2023	Western Star	47X Reg Cab	D & K Trucks 071B6600119	\$122,435.00	\$1.85	Pricing is for regular cab base truck, and no options.
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3958-0173D	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 52,000lbs., min.), TANDEM-Diesel Engine,(Not Intended to be equipped with an Underbody Snow Plow)	2023	Freightliner	114SD SBA 6x4	D & K Trucks 071B6600119	\$89,175.00	\$1.85	Pricing is for regular cab base truck, and no options.

3958-0173D	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 52,000lbs., min.), TANDEM-Diesel Engine,(Not Intended to be equipped with an Underbody Snow Plow)	2023	Western Star	47X Reg Cab	D & K Trucks 071B6600119	\$112,805.00	\$1.85	Pricing is for regular cab base truck, and no options.
3958-0178D	HEAVY DUTY TRUCKS: TRACTOR: (G.C.W.R. 70,000lbs., min.), TANDEM AXLE, DIESEL	2023	Freightliner	114SD SBA 6x4	D & K Trucks 071B6600119	\$100,805.00	\$1.85	Pricing is for regular cab base truck, and no options.
3958-0178D	HEAVY DUTY TRUCKS: TRACTOR: (G.C.W.R. 70,000lbs., min.), TANDEM AXLE, DIESEL	2023	Western Star	47X Reg Cab	D & K Trucks 071B6600119	\$114,595.00	\$1.85	Pricing is for regular cab base truck, and no options.

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Spec #	DESCRIPTION	Year	Make	Model	Awarded Dealer	MDOT	Notes
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3958-0134	HEAVY DUTY TRUCKS: CAB AND CHASSIS, (G.V.W.R. 21,000 lbs., min.), LOW PROFILE	2023	Freightliner	M2106 SBA 4x2	D & K Trucks 071B6600119	\$62,147.00	Pricing is for regular cab base truck, and no options.
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3958-0164D	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 27,000 LBS., MIN.), DIESEL	2023	Freightliner	M2106 SBA 4x2	D & K Trucks 071B6600119	\$63,705.00	Pricing is for regular cab base truck, and no options.
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3958-0172D	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 64,000lbs., min.) TANDEM AXLE, 370HP DIESEL	2023	Western Star	49X Reg Cab	D & K Trucks 071B6600119	\$128,313.00	Pricing is for regular cab base truck, and no options.
3958-0173D	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 52,000lbs., min.), TANDEM-Diesel Engine,(Not Intended to be equipped with an Underbody Snow Plow)	2023	Freightliner	114SD SBA 6x4	D & K Trucks 071B6600119	\$89,175.00	Pricing is for regular cab base truck, and no options.

3958-0173D	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 52,000lbs., min.), TANDEM-Diesel Engine,(Not Intended to be equipped with an Underbody Snow Plow)	2023	Western Star	47X Reg Cab	D & K Trucks <b>071B6600119</b>	<b>\$112,805.00</b>	Pricing is for regular cab base truck, and no options.
3958-0178D	HEAVY DUTY TRUCKS: TRACTOR: (G.C.W.R. 70,000lbs., min.), TANDEM AXLE, DIESEL	2023	Freightliner	114SD SBA 6x4	D & K Trucks <b>071B6600119</b>	<b>\$100,805.00</b>	Pricing is for regular cab base truck, and no options.
3958-0178D	HEAVY DUTY TRUCKS: TRACTOR: (G.C.W.R. 70,000lbs., min.), TANDEM AXLE, DIESEL	2023	Western Star	47X Reg Cab	D & K Trucks <b>071B6600119</b>	<b>\$114,595.00</b>	Pricing is for regular cab base truck, and no options.





**STATE OF MICHIGAN**  
**CENTRAL PROCUREMENT SERVICES**  
 Department of Technology, Management, and Budget  
 525 W. ALLEGAN ST., LANSING, MICHIGAN 48913  
 P.O. BOX 30026 LANSING, MICHIGAN 48909

**CONTRACT CHANGE NOTICE**

Change Notice Number **6**  
 to  
 Contract Number **071B6600119**

<b>CONTRACTOR</b>	D & K TRUCK COMPANY
	3020 Snow Rd
	Lansing, MI 48917
	Edward Merrill
	517-484-1905
	emerrill@dktruck.com
	CV0019340

<b>STATE</b>	<b>Program Manager</b>	Scott Poyer	MDOT
		517-284-6448	
		poyers@Michigan.gov	
	<b>Contract Administrator</b>	Yvon Dufour	DTMB
		(517) 249-0455	
		dufour@michigan.gov	

**CONTRACT SUMMARY**

<b>VEHICLES - CAB &amp; CHASSIS</b>			
<b>INITIAL EFFECTIVE DATE</b>	<b>INITIAL EXPIRATION DATE</b>	<b>INITIAL AVAILABLE OPTIONS</b>	<b>EXPIRATION DATE BEFORE</b>
October 19, 2016	November 30, 2021	1 - 2 Year	November 30, 2021
<b>PAYMENT TERMS</b>		<b>DELIVERY TIMEFRAME</b>	
NET 45		N/A	
<b>ALTERNATE PAYMENT OPTIONS</b>			<b>EXTENDED PURCHASING</b>
<input type="checkbox"/> P-Card <input type="checkbox"/> PRC <input type="checkbox"/> Other			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

**MINIMUM DELIVERY REQUIREMENTS**

1 unit

**DESCRIPTION OF CHANGE NOTICE**

<b>OPTION</b>	<b>LENGTH OF OPTION</b>	<b>EXTENSION</b>	<b>LENGTH OF EXTENSION</b>	<b>REVISED EXP. DATE</b>
<input type="checkbox"/>		<input type="checkbox"/>		November 30, 2023
<b>CURRENT VALUE</b>	<b>VALUE OF CHANGE NOTICE</b>	<b>ESTIMATED AGGREGATE CONTRACT VALUE</b>		
\$18,500,001.00	\$10,000,000.00	\$28,500,001.00		

**DESCRIPTION**

Effective 11/16/2021, this contract is hereby increased by \$10,000,000.00. All other terms, conditions, specifications, and pricing remain the same. Per Vendor and Agency agreement, DTMB Central Procurement approval and Ad Board approval on 11/16/2021.



**STATE OF MICHIGAN**  
**CENTRAL PROCUREMENT SERVICES**  
 Department of Technology, Management, and Budget  
 525 W. ALLEGAN ST., LANSING, MICHIGAN 48913  
 P.O. BOX 30026 LANSING, MICHIGAN 48909

**CONTRACT CHANGE NOTICE**

Change Notice Number **5**  
 to  
 Contract Number **071B6600119**

<b>CONTRACTOR</b>	D & K TRUCK COMPANY
	3020 Snow Rd
	Lansing, MI 48917
	Edward Merrill
	517-484-1905
	emerrill@dktruck.com
	CV0019340

<b>STATE</b>	<b>Program Manager</b>	Scott Poyer	MDOT
		517-284-6448	
		poyers@Michigan.gov	
	<b>Contract Administrator</b>	Yvon Dufour	DTMB
		(517) 249-0455	
		dufour@michigan.gov	

**CONTRACT SUMMARY**

**VEHICLES - CAB & CHASSIS**

INITIAL EFFECTIVE DATE	INITIAL EXPIRATION DATE	INITIAL AVAILABLE OPTIONS	EXPIRATION DATE BEFORE
October 19, 2016	November 30, 2021	1 - 2 Year	November 30, 2021
PAYMENT TERMS		DELIVERY TIMEFRAME	
Net 45		N/A	
ALTERNATE PAYMENT OPTIONS			EXTENDED PURCHASING
<input type="checkbox"/> P-Card <input type="checkbox"/> PRC <input type="checkbox"/> Other			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

**MINIMUM DELIVERY REQUIREMENTS**

1 unit

**DESCRIPTION OF CHANGE NOTICE**

OPTION	LENGTH OF OPTION	EXTENSION	LENGTH OF EXTENSION	REVISED EXP. DATE
<input checked="" type="checkbox"/>	2 Years	<input type="checkbox"/>		November 30, 2023
CURRENT VALUE	VALUE OF CHANGE NOTICE	ESTIMATED AGGREGATE CONTRACT VALUE		
\$18,500,001.00	\$0.00	\$18,500,001.00		

**DESCRIPTION**

Effective 10/18/2021, the first two option years available on this contract are hereby exercised. The revised date is 11/30/2023. All other terms, conditions, specifications, and pricing remain the same. Per Vendor and Agency agreement and DTMB Central Procurement approval.



**STATE OF MICHIGAN**  
**CENTRAL PROCUREMENT SERVICES**  
 Department of Technology, Management, and Budget  
 525 W. ALLEGAN ST., LANSING, MICHIGAN 48913  
 P.O. BOX 30026 LANSING, MICHIGAN 48909

**CONTRACT CHANGE NOTICE**

Change Notice Number **4**

to

Contract Number **071B6600119**

<b>CONTRACTOR</b>	D & K TRUCK COMPANY
	3020 Snow Rd
	Lansing, MI 48917
	Edward Merrill
	517-484-1905
	emerrill@dktruck.com
	CV0019340

<b>STATE</b>	<b>Program Manager</b>	Scott Poyer	MDOT
		517-284-6448	
		poyers@Michigan.gov	
	<b>Contract Administrator</b>	Yvon Dufour	DTMB
		(517) 249-0455	
		dufoury@michigan.gov	

<b>CONTRACT SUMMARY</b>				
<b>VEHICLES - CAB &amp; CHASSIS</b>				
INITIAL EFFECTIVE DATE	INITIAL EXPIRATION DATE	INITIAL AVAILABLE OPTIONS	EXPIRATION DATE BEFORE	
October 19, 2016	November 30, 2021	1 - 2 Year	November 30, 2021	
PAYMENT TERMS		DELIVERY TIMEFRAME		
ALTERNATE PAYMENT OPTIONS			EXTENDED PURCHASING	
<input type="checkbox"/> P-Card <input type="checkbox"/> PRC <input type="checkbox"/> Other			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>MINIMUM DELIVERY REQUIREMENTS</b>				
<b>DESCRIPTION OF CHANGE NOTICE</b>				
OPTION	LENGTH OF OPTION	EXTENSION	LENGTH OF EXTENSION	REVISED EXP. DATE
<input type="checkbox"/>		<input type="checkbox"/>		November 30, 2021
CURRENT VALUE	VALUE OF CHANGE NOTICE	ESTIMATED AGGREGATE CONTRACT VALUE		
\$11,500,001.00	\$7,000,000.00	\$18,500,001.00		
<b>DESCRIPTION</b>				
Effective 2/18/2020, this contract is hereby increased by \$7,000,000. All other terms, conditions, specifications, and pricing remain the same. Per agency request, DTMB Procurement approval, and State Administrative Board approval on 2/11/2020.				

**STATE OF MICHIGAN  
CENTRAL PROCUREMENT SERVICES**

Department of Technology, Management, and Budget  
525 W. ALLEGAN ST., LANSING, MICHIGAN 48913  
P.O. BOX 30026 LANSING, MICHIGAN 48909



**CONTRACT CHANGE NOTICE**

Change Notice Number **3**

to

Contract Number **071B6600119**

<b>CONTRACTOR</b>	D & K TRUCK COMPANY
	3020 Snow Rd
	Lansing, MI 48917
	Edward Merrill
	517-484-1905
	emerrill@dktruck.com
	CV0019340

<b>STATE</b>	<b>Program Manager</b>	Scott Poyer	MDOT
		517-284-6448	
		poyers@Michigan.gov	
	<b>Contract Administrator</b>	Yvon Dufour	DTMB
		(517) 249-0455	
		dufoury@michigan.gov	

<b>CONTRACT SUMMARY</b>				
<b>VEHICLES - CAB &amp; CHASSIS</b>				
INITIAL EFFECTIVE DATE	INITIAL EXPIRATION DATE	INITIAL AVAILABLE OPTIONS	EXPIRATION DATE BEFORE	
October 19, 2016	November 30, 2021	1 - 2 Year	November 30, 2021	
PAYMENT TERMS		DELIVERY TIMEFRAME		
ALTERNATE PAYMENT OPTIONS			EXTENDED PURCHASING	
<input type="checkbox"/> P-Card <input type="checkbox"/> PRC <input type="checkbox"/> Other			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>MINIMUM DELIVERY REQUIREMENTS</b>				
<b>DESCRIPTION OF CHANGE NOTICE</b>				
OPTION	LENGTH OF OPTION	EXTENSION	LENGTH OF EXTENSION	REVISED EXP. DATE
<input type="checkbox"/>		<input type="checkbox"/>		November 30, 2021
CURRENT VALUE	VALUE OF CHANGE NOTICE	ESTIMATED AGGREGATE CONTRACT VALUE		
\$5,500,001.00	\$6,000,000.00	\$11,500,001.00		
<b>DESCRIPTION</b>				
Effective 5/21/2019, this contract is hereby increased by \$6,000,000. All other terms, conditions, specifications, and pricing remain the same. Per agency request, DTMB Procurement approval, and State Administrative Board approval on 5/21/2019.				



**STATE OF MICHIGAN**  
**ENTERPRISE PROCUREMENT**  
 Department of Technology, Management, and Budget  
 525 W. ALLEGAN ST., LANSING, MICHIGAN 48913  
 P.O. BOX 30026 LANSING, MICHIGAN 48909

**CONTRACT CHANGE NOTICE**

Change Notice Number **2**

to

Contract Number **071B6600119**

<b>CONTRACTOR</b>	D & K Truck Company, Inc.
	3020 Snow Rd
	Lansing, MI 48917
	Edward Merrill
	517-484-1905
	emerrill@dktruck.com
	CV0019340

<b>STATE</b>	<b>Program Manager</b>	Scott Poyer	MDOT
		517-284-6448	
		poyers@Michigan.gov	
	<b>Contract Administrator</b>	Yvon Dufour	DTMB
		(517) 249-0455	
		dufoury@michigan.gov	

**CONTRACT SUMMARY**

**VEHICLES - CAB & CHASSIS**

INITIAL EFFECTIVE DATE	INITIAL EXPIRATION DATE	INITIAL AVAILABLE OPTIONS	EXPIRATION DATE BEFORE
October 19, 2016	November 30, 2021	1 - 2 Year	November 30, 2021

PAYMENT TERMS	DELIVERY TIMEFRAME

ALTERNATE PAYMENT OPTIONS	EXTENDED PURCHASING
<input type="checkbox"/> P-Card <input type="checkbox"/> Direct Voucher (DV) <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

**MINIMUM DELIVERY REQUIREMENTS**

**DESCRIPTION OF CHANGE NOTICE**

OPTION	LENGTH OF OPTION	EXTENSION	LENGTH OF EXTENSION	REVISED EXP. DATE
<input type="checkbox"/>		<input type="checkbox"/>		November 30, 2021
CURRENT VALUE	VALUE OF CHANGE NOTICE	ESTIMATED AGGREGATE CONTRACT VALUE		
\$9,000,001.00	(\$3,500,000.00)	\$5,500,001.00		

**DESCRIPTION**

Effective 8/15/2018, this contract is hereby decreased by \$3,500,000. All other terms, conditions, specifications and pricing remain the same. Per agency request, and DTMB Procurement approval.



**STATE OF MICHIGAN**  
**ENTERPRISE PROCUREMENT**  
 Department of Technology, Management, and Budget  
 525 W. ALLEGAN ST., LANSING, MICHIGAN 48913  
 P.O. BOX 30026 LANSING, MICHIGAN 48909

**CONTRACT CHANGE NOTICE**

Change Notice Number 1  
 to  
 Contract Number 071B6600119

<b>CONTRACTOR</b>	D & K Truck Company, Inc.
	3020 Snow Rd
	Lansing, MI 48917
	Edward Merrill
	517-484-1905
	emerrill@dktruck.com
*****0677	

<b>STATE</b>	Program Manager	Scott Poyer	MDOT
		517-284-6448	
		poyers@Michigan.gov	
	Contract Administrator	Yvon Dufour	DTMB
		(517) 284-6996	
		dufoury@michigan.gov	

**CONTRACT SUMMARY**

<b>VEHICLES - CAB &amp; CHASSIS</b>			
<b>INITIAL EFFECTIVE DATE</b>	<b>INITIAL EXPIRATION DATE</b>	<b>INITIAL AVAILABLE OPTIONS</b>	<b>EXPIRATION DATE BEFORE CHANGE(S) NOTED BELOW</b>
October 19, 2016	November 30, 2021	1 - 2 Year	November 30, 2021
<b>PAYMENT TERMS</b>		<b>DELIVERY TIMEFRAME</b>	
Net 45		N/A	
<b>ALTERNATE PAYMENT OPTIONS</b>			<b>EXTENDED PURCHASING</b>
<input type="checkbox"/> P-Card	<input type="checkbox"/> Direct Voucher (DV)	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

<b>MINIMUM DELIVERY REQUIREMENTS</b>
1 unit

**DESCRIPTION OF CHANGE NOTICE**

<b>OPTION</b>	<b>LENGTH OF OPTION</b>	<b>EXTENSION</b>	<b>LENGTH OF EXTENSION</b>	<b>REVISED EXP. DATE</b>
<input type="checkbox"/>		<input type="checkbox"/>		November 30, 2021
<b>CURRENT VALUE</b>	<b>VALUE OF CHANGE NOTICE</b>	<b>ESTIMATED AGGREGATE CONTRACT VALUE</b>		
\$1.00	\$9,000,000.00	\$9,000,001.00		

**DESCRIPTION**

Effective 3/28/2017, this Contract is increased by \$9,000,000 for MDOT use. This is awarded funding for 2017-2018 model year pricing per Schedule D1, D2, D3, D4, and D5. All other terms, conditions, specifications and pricing remain the same. Per contractor and agency agreement, and DTMB Procurement approval.

<b>D &amp; K TRUCK - FREIGHTLINER</b>						
<b>SPECIFICATION</b>	<b>MODEL</b>		<b>MDOT PRICE</b>	<b>MIDEAL PRICE</b>	<b>DELIVERY PER MILE</b>	<b>EXCEPTIONS TO SPECIFICATIONS</b>
3958-0096D	M2106 SBA 4x4 Manual	Base cost with Regular Cab	\$71,495.00	\$71,495.00	\$1.85	
3958-0096D	M2106 SBA 4x4 AT	Base cost with Regular Cab	\$75,585.00	\$75,585.00	\$1.85	
3958-0096D	M2106 SBA 4x2 Manual	Base cost with Regular Cab 4x2	\$56,423.00	\$56,423.00	\$1.85	
3958-0096D	M2106 SBA 4x2 AT	Base cost with Regular Cab 4x2	\$60,513.00	\$60,513.00	\$1.85	
3958-0134	M2106 SBA 4x2	Base cost with Regular Cab	\$55,522.00	\$55,522.00	\$1.85	
3958-0135D	M2106 SBA 4x2	Base cost with Regular Cab	\$55,522.00	\$55,522.00	\$1.85	
3958-0136D	M2106 SBA 4x2	Base cost with Regular Cab	\$55,522.00	\$55,522.00	\$1.85	
3958-0160D (Option "A")	M2106 SBA 4x2	Base cost with Regular Cab	\$67,185.00	\$67,185.00	\$1.85	M2-106-B6.7 Cummins
3958-0160D (Option "B")	108SD SBA 4x2	Base cost with Regular Cab	\$67,185.00	\$67,185.00	\$1.85	108SD-B6.7 Cummins
3958-0160D (Option "C")	108SD SBA 4x2	Base cost with Regular Cab	\$66,850.00	\$66,850.00	\$1.85	108SD-L9 Cummins
3958-0164D	M2106 SBA 4x2	Base cost with Regular Cab	\$57,080.00	\$57,080.00	\$1.85	
3958-0170D	114SD SBA 4x2	Base cost with Regular Cab	\$90,357.00	\$90,357.00	\$1.85	
3958-0172D	114SD SFA 6x4	Base cost with Regular Cab	\$104,254.00	\$104,254.00	\$1.85	
3958-0173D	114SD SBA 6x4	Base cost with Regular Cab	\$82,550.00	\$82,550.00	\$1.85	
3958-0178D	114SD SBA 6x4	Base cost with Regular Cab	\$94,180.00	\$94,180.00	\$1.85	
<b>D &amp; K TRUCK - WESTERN STAR</b>						
<b>SPECIFICATION</b>	<b>MODEL</b>		<b>MDOT PRICE</b>	<b>MIDEAL PRICE</b>	<b>DELIVERY PER MILE</b>	<b>EXCEPTIONS TO SPECIFICATIONS</b>
3958-0160D (Option "A")	4700SB	Base cost with Regular Cab	\$76,776.00	\$76,776.00	\$1.85	
3958-0170D	4700SB	Base cost with Regular Cab	\$97,000.00	\$97,000.00	\$1.85	
3958-0172D	4700SF	Base cost with Regular Cab	\$113,510.00	\$113,510.00	\$1.85	
3958-0172D	4900SB	Base cost with Regular Cab	\$119,388.00	\$119,388.00	\$1.85	
3958-0173D	4700SB	Base cost with Regular Cab	\$103,880.00	\$103,880.00	\$1.85	
3958-0178D	4700SB	Base cost with Regular Cab	\$105,670.00	\$105,670.00	\$1.85	

**SPECIFICATION 3958-0096D**

M2106 4x4		MDOT PRICE	MIDEAL PRICE	DELIVERY PER MILE	EXCEPTIONS TO SPECIFICATIONS
1.1	Base cost with Regular Cab	\$71,495.00	\$71,495.00	\$1.85	
1.2	Super Cab option	\$3,905.00	\$3,905.00		
1.3	Crew Cab option	\$6,505.00	\$6,505.00		
1.4	<b>Base cost with Regular Cab 4x2</b>	\$56,423.00	\$56,423.00	\$1.85	
1.5	Super Cab option (4x2)	\$3,877.00	\$3,877.00		
1.6	Crew Cab option (4x2)	\$6,552.00	\$6,552.00		
2	Transmission Power Take-Off Provision	n/c	n/c		5 speed manual
3a	Power Windows, Locks, Heated Mirrors	\$233.00	\$233.00		
3b	Remote Keyless Entry	\$500.00	\$500.00		
4	Chrome front bumper, AM/FM Stereo/Single Cd w/4 speakers, & Cruise Control	\$389.00	\$389.00		2 speakers
5	All of the above listed & SYNC Entertainment & Bluetooth Technology System	\$622.00	\$622.00		No Sync
6	110V/400W Outlet	N/A	N/A		
	3500 RDS Allison Transmission	\$4,090.00	\$4,090.00		
7	<b>SPECIAL PAINT</b>				
7.1	School Bus Yellow [84S53]	n/c	n/c		
7.2	Omaha Orange [W5684E]	n/c	n/c		

**SPECIFICATION 3958-0134**

M2106 4x2		MDOT PRICE	MIDEAL PRICE	DELIVERY PER MILE	EXCEPTIONS TO SPECIFICATIONS
1.1	Base cost with Regular Cab - 3958-0134	\$55,522.00	\$55,522.00	\$1.85	
1.2	Super Cab option	\$3,647.00	\$3,647.00	\$1.85	
1.3	Crew Cab option	\$5,988.00	\$5,988.00	\$1.85	
2	<b>CAB CONVENTIONAL INCLUDES:</b>				
2.1	ARM REST (2) Molded Plastic; One Each Door	nc	nc		
2.2	CLEARANCE/MARKER LIGHTS (5) Flush Mounted	nc	nc		
2.3	COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window	nc	nc		
2.4	CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel	nc	nc		
2.5	DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted	nc	nc		NO DIMMING
2.6	GLASS, ALL WINDOWS Tinted	nc	nc		
2.7	GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side	nc	nc		
2.8	GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side	nc	nc		
2.9	INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior color	nc	nc		
3	<b>CAB INTERIOR TRIM DELUXE INCLUDES:</b>				
3.1	"A" PILLAR COVER Molded Plastic	nc	nc		
3.2	CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering	nc	nc		
3.3	CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket				NO NETS, SLIP GRIP



3.4	DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors	nc	nc		
3.5	FLOOR COVERING Rubber, Black	nc	nc		
3.6	HEADLINER Soft Padded Cloth	nc	nc		
3.7	INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section	nc	nc		
3.8	STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door	nc	nc		
3.9	SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console	nc	nc		NO TOLL TICKET
4	JUMP START STUD Located on Positive Terminal of Outermost Battery	\$57.00	\$57.00		
4.1	WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever	nc	nc		
4.2	WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted	nc	nc		
4.3	WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time	\$22.00	\$22.00		
4.4	HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on	\$40.00	\$40.00		
5	ALTERNATOR {Leece-Neville AV1160P2013} Brush Type; 12 Volt 160 Amp	\$21.00	\$21.00		Base is DELCO 28SI 160AMP
6	RADIO AM/FM/WB/Clock/3MM Auxiliary Input, with Multiple Speakers				
7	TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights	\$10.00	\$10.00		
8	ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, With Ignition "OFF" and any Door Opened	\$40.00	\$40.00		
9	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster	nc	nc		
10	GAUGE, DEF FLUID LEVEL	nc	nc		
11	DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab	nc	nc		
12	THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel	nc	nc		
13	STEERING COLUMN Tilting	Included	Included		
14	COLD STARTING EQUIPMENT Intake Manifold Electric Grid Heater with Engine ECM Control	nc	nc		
	KEYLESS ENTRY SYSTEM REMOTE With Panic and Auxiliary Buttons, Includes One Key Fob (Transmitter)	\$500.00	\$500.00		
15	INSULATION, UNDER HOOD for Sound Abatement	\$85.00	\$85.00		
16	INSULATION, SPLASH PANELS for Sound Abatement	\$175.00	\$175.00		
17	FAN DRIVE Direct Drive Type, Two Speed With Residual Torque Device for Disengaging Fan Speed. Torque Device for Disengaged Fan Speed Includes Nylon Fan	na	na		Horton HT650 on/off
18	<b>TRANSMISSION, AUTOMATIC INCLUDES:</b>				
18.1	OIL FILTER, TRANSMISSION Mounted on Transmission	na	na		no external filter
18.2	TRANSMISSION OIL PAN Magnet in Oil Pan	yes	yes		

18.3	SHIFT CONTROL PARAMETERS Allison 1000 or 2000 Series Transmissions, 5th Generation Controls, Performance Programming	nc	nc		
18.4	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction	\$20.00	\$20.00		
18.5	TRANSMISSION TCM LOCATION Located Inside Cab	\$550.00	\$550.00		
18.6	PTO LOCATION Dual, Left and Right Side of Transmission	nc	nc		
18.7	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control	nc	nc		
19	BODY INTEGRATED, THROTTLE CONTROL Accommodation for Single Customer Mounted External Engine Speed Control Switch, for Utility Applications, Programmable Mode for Various Switch Actions and Engine Speed Control Option, Only with Vehicle Stopped and Park Brake is Applied (requires 1 Remote Power Module input)	\$60.00	\$60.00		
20	DUST SHIELDS, FRONT BRAKE for Air Brakes	na	na		NA WITH 19.5 TIRES
21	DUST SHIELDS, REAR BRAKE for Air Brakes	na	na		NA WITH 19.5 TIRES
22.1	AIR BRAKE ABS Full Vehicle Wheel Control system (4-Channel)	nc	nc		
22.2	BRAKE SYSTEM, HYDRAULIC Split System, Full Power, With Automatic Adjustment and with Four Channel ABS	\$1,400.00	\$1,400.00		
22.3	BRAKE, PARKING DSSA Type, 12" x 3"; for Hydraulic Brake Chassis; Activated by lever in Cab, Differential Mounted, includes PARKING BRAKE CONTROL Lever, Floor Mounted, Located Right of Driver	nc	nc		
22.4	BRAKES, FRONT, HYDRAULIC DISC Quadraulic; Four 70mm Diameter Pistons	nc	nc		
22.5	BRAKES, REAR, HYDRAULIC DISC Quadraulic; Four 70mm Diameter Pistons	nc	nc		
23	<b>SPECIAL PAINT</b>				
23.1	School Bus Yellow [84S53]	nc	nc		
23.2	Omaha Orange [W5684E]	nc	nc		

**SPECIFICATION 3958-0135D**

M2106 4x2		MDOT PRICE	MIDEAL PRICE	DELIVERY PER MILE	EXCEPTIONS TO SPECIFICATIONS
1.1	Base cost with Regular Cab - 3958-0135D	\$55,522.00	\$55,522.00	\$1.85	
1.2	Super Cab option	\$3,647.00	\$3,647.00	\$1.85	
1.3	Crew Cab option	\$5,988.00	\$5,988.00	\$1.85	
2	<b>CAB CONVENTIONAL INCLUDES:</b>				
2.1	ARM REST (2) Molded Plastic; One Each Door	NC	NC		
2.2	CLEARANCE/MARKER LIGHTS (5) Flush Mounted	NC	NC		
2.3	COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window	NC	NC		
2.4	CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel	NC	NC		
2.5	DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted	NC	NC		NO DIMMING
2.6	GLASS, ALL WINDOWS Tinted	NC	NC		
2.7	GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side	NC	NC		

2.8	GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side	NC	NC		
2.9	INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior color	NC	NC		
3	<b>CAB INTERIOR TRIM DELUXE INCLUDES:</b>				
3.1	"A" PILLAR COVER Molded Plastic	NC	NC		
3.2	CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering	Inc	Inc		
3.3	CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket	Inc	Inc		
3.4	DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors	Inc	Inc		
3.5	FLOOR COVERING Rubber, Black	Inc	Inc		
3.6	HEADLINER Soft Padded Cloth	Inc	Inc		
3.7	INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section	Inc	Inc		
3.8	STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door	Inc	Inc		
3.9	SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console	Inc	Inc		
4	JUMP START STUD Located on Positive Terminal of Outermost Battery	\$57.00	\$57.00		
4.1	WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever	NC	NC		
4.2	WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted	NC	NC		
4.3	WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time	\$22.00	\$22.00		
4.4	HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on	\$40.00	\$40.00		
5	ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp	\$21.00	\$21.00		Base is Delco Brand 28si
6	RADIO AM/FM/WB/Clock/3MM Auxiliary Input, with Multiple Speakers	Inc	Inc		
7	TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights	\$10.00	\$10.00		
8	ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, With Ignition "OFF" and any Door Opened	NC	NC		
9	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster	NC	NC		
10	GAUGE, DEF FLUID LEVEL	NC	NC		
11	DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab	NC	NC		
12	THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel	NC	NC		
13	STEERING COLUMN Tilting	Inc	Inc		

14	COLD STARTING EQUIPMENT Intake Manifold Electric Grid Heater with Engine ECM Control	NC	NC		
	KEYLESS ENTRY SYSTEM REMOTE With Panic and Auxiliary Buttons, Includes One Key Fob (Transmitter)	\$500.00	\$500.00		
15	INSULATION, UNDER HOOD for Sound Abatement	\$85.00	\$85.00		
16	INSULATION, SPLASH PANELS for Sound Abatement	\$175.00	\$175.00		
17	FAN DRIVE Direct Drive Type, Two Speed With Residual Torque Device for Disengaging Fan Speed. Torque Device for Disengaged Fan Speed Includes Nylon Fan	NA	NA		HORTON HT650 ON OFF
18	<b>TRANSMISSION, AUTOMATIC INCLUDES:</b>				
18.1	OIL FILTER, TRANSMISSION Mounted on Transmission	NA	NA		NO EXTERNAL FILTER
18.2	TRANSMISSION OIL PAN Magnet in Oil Pan	INC	INC		
18.3	SHIFT CONTROL PARAMETERS Allison 1000 or 2000 Series Transmissions, 5th Generation Controls, Performance Programming	INC	INC		
18.4	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction	\$20.00	\$20.00		
18.5	TRANSMISSION TCM LOCATION Located Inside Cab	\$550.00	\$550.00		
18.6	PTO LOCATION Dual, Left and Right Side of Transmission	NC	NC		
18.7	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control	NC	NC		
19	BODY INTEGRATED, THROTTLE CONTROL Accommodation for Single Customer Mounted External Engine Speed Control Switch, for Utility Applications, Programmable Mode for Various Switch Actions and Engine Speed Control Option, Only with Vehicle Stopped and Park Brake is Applied (requires 1 Remote Power Module input)	\$60.00	\$60.00		
20	DUST SHIELDS, FRONT BRAKE for Air Brakes	\$20.00	\$20.00		
21	DUST SHIELDS, REAR BRAKE for Air Brakes	\$25.00	\$25.00		
22	AIR BRAKE ABS Full Vehicle Wheel Control system (4-Channel)	NC	NC		
23.1	BRAKE SYSTEM, HYDRAULIC Split System, Full Power, With Automatic Adjustment and with Four Channel ABS	\$1,400.00	\$1,400.00		
23.2	BRAKE, PARKING DSSA Type, 12" x 3"; for Hydraulic Brake Chassis; Activated by lever in Cab, Differential Mounted, includes PARKING BRAKE CONTROL Lever, Floor Mounted, Located Right of Driver	NC	NC		
23.3	BRAKES, FRONT, HYDRAULIC DISC Quadraulic; Four 70mm Diameter Pistons	NC	NC		
23.4	BRAKES, REAR, HYDRAULIC DISC Quadraulic; Four 70mm Diameter Pistons	NC	NC		
24	<b>SPECIAL PAINT</b>				
24.1	School Bus Yellow [84S53]	NC	NC		
24.2	Omaha Orange [W5684E]	NC	NC		

**SPECIFICATION 3958-0136D**

M2106 4x2		MDOT PRICE	MIDEAL PRICE	DELIVERY PER MILE	EXCEPTIONS TO SPECIFICATIONS
1.1	Base cost with Regular Cab - 3958-0136D	\$55,522.00	\$55,522.00	\$1.85	
1.2	Super Cab option	\$3,647.00	\$3,647.00	\$1.85	

1.3	Crew Cab option	\$5,988.00	\$5,988.00	\$1.85	
2	<b>CAB CONVENTIONAL INCLUDES:</b>				
2.1	ARM REST (2) Molded Plastic; One Each Door	INC	INC		
2.2	CLEARANCE/MARKER LIGHTS (5) Flush Mounted	INC	INC		
2.3	COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window	INC	INC		
2.4	CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel	INC	INC		
2.5	DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted	INC	INC		NO DIMMING
2.6	GLASS, ALL WINDOWS Tinted	INC	INC		
2.7	GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side	INC	INC		
2.8	GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side	INC	INC		
2.9	INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior color	INC	INC		
3	<b>CAB INTERIOR TRIM DELUXE INCLUDES:</b>				
3.1	"A" PILLAR COVER Molded Plastic	INC	INC		
3.2	CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering	INC	INC		
3.3	CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket	INC	INC		
3.4	DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors	INC	INC		
3.5	FLOOR COVERING Rubber, Black	INC	INC		
3.6	HEADLINER Soft Padded Cloth	INC	INC		
3.7	INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section	NC	NC		
3.8	STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door	NC	NC		
3.9	SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console	NC	NC		NO TOLL TICKET
4	JUMP START STUD Located on Positive Terminal of Outermost Battery	\$57.00	\$57.00		
4.1	WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever	NC	NC		
4.2	WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted	INC	INC		
4.3	WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time	\$22.00	\$22.00		
4.4	HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on	\$40.00	\$40.00		
5	ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp	\$21.00	\$21.00		Base is DELCO BRAND
6	RADIO AM/FM/WB/Clock/3MM Auxiliary Input, with Multiple Speakers	INC	INC		

7	TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights	\$10.00	\$10.00		
8	ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, With Ignition "OFF" and any Door Opened	NC	NC		
9	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster	INC	INC		
10	GAUGE, DEF FLUID LEVEL	INC	INC		
11	DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab	NC	NC		
12	THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel	NC	NC		
13	STEERING COLUMN Tilting	INC	INC		
14	COLD STARTING EQUIPMENT Intake Manifold Electric Grid Heater with Engine ECM Control	INC	INC		
	KEYLESS ENTRY SYSTEM REMOTE With Panic and Auxiliary Buttons, Includes One Key Fob (Transmitter)	\$500.00	\$500.00		
15	INSULATION, UNDER HOOD for Sound Abatement	\$85.00	\$85.00		
16	INSULATION, SPLASH PANELS for Sound Abatement	\$175.00	\$175.00		
17	FAN DRIVE Direct Drive Type, Two Speed With Residual Torque Device for Disengaging Fan Speed. Torque Device for Disengaged Fan Speed Includes Nylon Fan	NA	NA		HORTON HT650 ON OFF
18	<b>TRANSMISSION, AUTOMATIC INCLUDES:</b>				
18.1	OIL FILTER, TRANSMISSION Mounted on Transmission	NA	NA		NO EXTERNAL FILTER
18.2	TRANSMISSION OIL PAN Magnet in Oil Pan	INC	INC		
18.3	SHIFT CONTROL PARAMETERS Allison 1000 or 2000 Series Transmissions, 5th Generation Controls, Performance Programming	INC	INC		
18.4	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction	\$20.00	\$20.00		
18.5	TRANSMISSION TCM LOCATION Located Inside Cab	\$550.00	\$550.00		
18.6	PTO LOCATION Dual, Left and Right Side of Transmission	NC	NC		
18.7	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control	INC	INC		
19	BODY INTEGRATED, THROTTLE CONTROL Accommodation for Single Customer Mounted External Engine Speed Control Switch, for Utility Applications, Programmable Mode for Various Switch Actions and Engine Speed Control Option, Only with Vehicle Stopped and Park Brake is Applied (requires 1 Remote Power Module input)	\$60.00	\$60.00		
20	DUST SHIELDS, FRONT BRAKE for Air Brakes	\$20.00	\$20.00		
21	DUST SHIELDS, REAR BRAKE for Air Brakes	\$25.00	\$25.00		
22.1	AIR BRAKE ABS Full Vehicle Wheel Control system (4-Channel)	INC	INC		
22.2	BRAKE SYSTEM, HYDRAULIC Split System, Full Power, With Automatic Adjustment and with Four Channel ABS	\$1,400.00	\$1,400.00		

22.3	BRAKE, PARKING DSSA Type, 12" x 3"; for Hydraulic Brake Chassis; Activated by lever in Cab, Differential Mounted, includes PARKING BRAKE CONTROL Lever, Floor Mounted, Located Right of Driver	INC	INC		
22.4	BRAKES, FRONT, HYDRAULIC DISC Quadraulic; Four 70mm Diameter Pistons	INC	INC		
22.5	BRAKES, REAR, HYDRAULIC DISC Quadraulic; Four 70mm Diameter Pistons	INC	INC		
23	<b>SPECIAL PAINT</b>				
23.1	School Bus Yellow [84S53]	NC	NC		
23.2	Omaha Orange [W5684E]	NC	NC		

**SPECIFICATION 3958-0160D (Option "A")**

M2106 4x2		MDOT PRICE	MIDEAL PRICE	DELIVERY PER MILE	EXCEPTIONS TO SPECIFICATIONS
1.1	Base cost with Regular Cab - 3958-0160D	\$67,185.00	\$67,185.00	\$1.85	M2-106-B6.7 Cummins
1.2	Super Cab option	\$3,760.00	\$3,760.00		
1.3	Crew Cab option	\$6,333.00	\$6,333.00		
2	<b>CAB CONVENTIONAL INCLUDES:</b>				
2.1	ARM REST (2) Molded Plastic; One Each Door	INC	INC		
2.2	CLEARANCE/MARKER LIGHTS (5) Flush Mounted	INC	INC		
2.3	COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window	INC	INC		
2.4	CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel	INC	INC		
2.5	DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted	INC	INC		NO DIMMING
2.6	GLASS, ALL WINDOWS Tinted	INC	INC		
2.7	GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side	INC	INC		
2.8	GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side	INC	INC		
2.9	INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior color	INC	INC		
3	<b>CAB INTERIOR TRIM DELUXE INCLUDES:</b>				
3.1	"A" PILLAR COVER Molded Plastic	INC	INC		
3.2	CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering	INC	INC		
3.3	CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket	INC	INC		
3.4	DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors	INC	INC		
3.5	FLOOR COVERING Rubber, Black	INC	INC		
3.6	HEADLINER Soft Padded Cloth	INC	INC		
3.7	INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section	INC	INC		
3.8	STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door	INC	INC		MFG STANDARD
3.9	SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console	INC	INC		NO TOLL TICKET



4	JUMP START STUD Located on Positive Terminal of Outermost Battery	\$57.00	\$57.00		
4.1	WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever	INC	INC		
4.2	WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted	INC	INC		
4.3	WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time	\$22.00	\$22.00		
4.4	HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on	\$40.00	\$40.00		
5	ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp	\$21.00	\$21.00		
6	RADIO AM/FM/WB/Clock/3MM Auxiliary Input, with Multiple Speakers	INC	INC		
7	TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights	\$10.00	\$10.00		
8	ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, With Ignition "OFF" and any Door Opened	NC	NC		
9	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster	INC	INC		
10	GAUGE, DEF FLUID LEVEL	INC	INC		
11	DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab	INC	INC		
12	THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel	INC	INC		
13	STEERING COLUMN Tilting	INC	INC		
14	COLD STARTING EQUIPMENT Intake Manifold Electric Grid Heater with Engine ECM Control	INC	INC		
15	KEYLESS ENTRY SYSTEM REMOTE With Panic and Auxiliary Buttons, Includes One Key Fob (Transmitter)	\$500.00	\$500.00		
16	WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature	INC	INC		NO EXPRESS
17	FOG LIGHTS (2) Clear, Oval, With H355W Halogen Bulb	INC	INC		
18	INSULATION, UNDER HOOD for Sound Abatement	\$85.00	\$85.00		
19	INSULATION, SPLASH PANELS for Sound Abatement	\$174.00	\$174.00		
20	FAN DRIVE Direct Drive Type, Two Speed With Residual Torque Device for Disengaging Fan Speed. Torque Device for Disengaged Fan Speed Includes Nylon Fan	NA	NA		HORTON HT650
21	<b>TRANSMISSION, AUTOMATIC INCLUDES:</b>				
21.1	OIL FILTER, TRANSMISSION Mounted on Transmission	NA	NA		NO EXTERNAL FILTER
21.2	TRANSMISSION OIL PAN Magnet in Oil Pan	INC	INC		
21.3	SHIFT CONTROL PARAMETERS Allison 1000 or 2000 Series Transmissions, 5th Generation Controls, Performance Programming	INC	INC		



21.4	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction	INC	INC		
21.5	TRANSMISSION TCM LOCATION Located Inside Cab	\$550.00	\$550.00		
21.6	PTO LOCATION Dual, Left and Right Side of Transmission	INC	INC		
21.7	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control	\$120.00	\$120.00		
28	BODY INTEGRATED, REMOTE START/STOP To Start and Stop Vehicle Engine	\$120.00	\$120.00		
29	BODY INTEGRATED, THROTTLE CONTROL Accommodation for Single Customer Mounted External Engine Speed Control Switch, for Utility Applications, Programmable Mode for Various Switch Actions and Engine Speed Control Option, Only with Vehicle Stopped and Park Brake is Applied (requires 1 Remote Power Module input)	NC	NC		
	<b>NOTE:</b> Default Parameters - Input is Momentary Ground = Engine Speed Toggles Between Preset Speed and Idle each Time the Input is Grounded				
30	BODY INTEGRATED, PTO ACCOMMODATION for (3) Latched Rocker Switches, (1) PTO Switch, (2) Generic Switches to Control (3) 30 amp relays, With Programmable Interlocks, for Body Builder Hook up in the Engine Compartment Left Side, Recommended for Automatic Transmissions	\$560.00	\$560.00		
31	DUST SHIELDS, FRONT BRAKE for Air Brakes	NC	NC		
32	DUST SHIELDS, REAR BRAKE for Air Brakes	NC	NC		
33	TRAILER AUXILIARY FEED CIRCUIT for Electric Trailer Brake Accommodation/Air Trailer ABS; With 30 Amp Fuse and Relay, Controlled by Ignition Switch	\$650.00	\$650.00		
34.1	AIR BRAKE ABS Full Vehicle Wheel Control system (4-Channel)	NC	NC		
34.2	BRAKE CHAMBERS, SPRING Relocated To Rear Of Rear Axle For Maximum Ground Clearance	NC	NC		
35	<b>SPECIAL PAINT</b>				
35.1	School Bus Yellow [84553]	NC	NC		
35.2	Omaha Orange [W5684E]	NC	NC		

**SPECIFICATION 3958-0160D (Option "B")**

108SD 4x2		MDOT PRICE	MIDEAL PRICE	DELIVERY PER MILE	EXCEPTIONS TO SPECIFICATIONS
1.1	Base cost with Regular Cab - 3958-0160D	\$67,185.00	\$67,185.00	\$1.85	108SD-B6.7 Cummins
1.2	Super Cab option	\$3,760.00	\$3,760.00		
1.3	Crew Cab option	\$6,333.00	\$6,333.00		
2	<b>CAB CONVENTIONAL INCLUDES:</b>				
2.1	ARM REST (2) Molded Plastic; One Each Door	INC	INC		
2.2	CLEARANCE/MARKER LIGHTS (5) Flush Mounted	INC	INC		
2.3	COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window	INC	INC		
2.4	CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel	INC	INC		

2.5	DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted	INC	INC		NO DIMMING
2.6	GLASS, ALL WINDOWS Tinted	INC	INC		
2.7	GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side	INC	INC		
2.8	GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side	INC	INC		
2.9	INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior color	INC	INC		
3	<b>CAB INTERIOR TRIM DELUXE INCLUDES:</b>				
3.1	"A" PILLAR COVER Molded Plastic	INC	INC		
3.2	CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering	INC	INC		
3.3	CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket	INC	INC		
3.4	DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors	INC	INC		
3.5	FLOOR COVERING Rubber, Black	INC	INC		
3.6	HEADLINER Soft Padded Cloth	INC	INC		
3.7	INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section	INC	INC		
3.8	STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door	INC	INC		MFG STANDARD
3.9	SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console	INC	INC		NO TOLL TICKET
4	JUMP START STUD Located on Positive Terminal of Outermost Battery	\$57.00	\$57.00		
4.1	WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever	INC	INC		
4.2	WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted	INC	INC		
4.3	WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time	\$22.00	\$22.00		
4.4	HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on	\$40.00	\$40.00		
5	ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp	\$21.00	\$21.00		
6	RADIO AM/FM/WB/Clock/3MM Auxiliary Input, with Multiple Speakers	INC	INC		
7	TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights	\$10.00	\$10.00		
8	ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, With Ignition "OFF" and any Door Opened	NC	NC		
9	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster	INC	INC		
10	GAUGE, DEF FLUID LEVEL	INC	INC		

11	DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab	INC	INC		
12	THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel	INC	INC		
13	STEERING COLUMN Tilting	INC	INC		
14	COLD STARTING EQUIPMENT Intake Manifold Electric Grid Heater with Engine ECM Control	INC	INC		
15	KEYLESS ENTRY SYSTEM REMOTE With Panic and Auxiliary Buttons, Includes One Key Fob (Transmitter)	\$500.00	\$500.00		
16	WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature	INC	INC		NO EXPRESS
17	FOG LIGHTS (2) Clear, Oval, With H355W Halogen Bulb	INC	INC		
18	INSULATION, UNDER HOOD for Sound Abatement	\$85.00	\$85.00		
19	INSULATION, SPLASH PANELS for Sound Abatement	\$174.00	\$174.00		
20	FAN DRIVE Direct Drive Type, Two Speed With Residual Torque Device for Disengaging Fan Speed. Torque Device for Disengaged Fan Speed Includes Nylon Fan	NA	NA		HORTON HT650
21	<b>TRANSMISSION, AUTOMATIC INCLUDES:</b>				
21.1	OIL FILTER, TRANSMISSION Mounted on Transmission	NA	NA		NO EXTERNAL FILTER
21.2	TRANSMISSION OIL PAN Magnet in Oil Pan	INC	INC		
21.3	SHIFT CONTROL PARAMETERS Allison 1000 or 2000 Series Transmissions, 5th Generation Controls, Performance Programming	INC	INC		
21.4	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction	INC	INC		
21.5	TRANSMISSION TCM LOCATION Located Inside Cab	\$550.00	\$550.00		
21.6	PTO LOCATION Dual, Left and Right Side of Transmission	INC	INC		FEPTO under radiator.
21.7	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control	\$120.00	\$120.00		
28	BODY INTEGRATED, REMOTE START/STOP To Start and Stop Vehicle Engine	\$120.00	\$120.00		
29	BODY INTEGRATED, THROTTLE CONTROL Accommodation for Single Customer Mounted External Engine Speed Control Switch, for Utility Applications, Programmable Mode for Various Switch Actions and Engine Speed Control Option, Only with Vehicle Stopped and Park Brake is Applied (requires 1 Remote Power Module input)	NC	NC		
	<b>NOTE:</b> Default Parameters - Input is Momentary Ground = Engine Speed Toggles Between Preset Speed and Idle each Time the Input is Grounded				

30	BODY INTEGRATED, PTO ACCOMMODATION for (3) Latched Rocker Switches, (1) PTO Switch, (2) Generic Switches to Control (3) 30 amp relays, With Programmable Interlocks, for Body Builder Hook up in the Engine Compartment Left Side, Recommended for Automatic Transmissions	\$560.00	\$560.00		
31	DUST SHIELDS, FRONT BRAKE for Air Brakes	NC	NC		
32	DUST SHIELDS, REAR BRAKE for Air Brakes	NC	NC		
33	TRAILER AUXILIARY FEED CIRCUIT for Electric Trailer Brake Accommodation/Air Trailer ABS; With 30 Amp Fuse and Relay, Controlled by Ignition Switch	\$650.00	\$650.00		
34.1	AIR BRAKE ABS Full Vehicle Wheel Control system (4-Channel)	NC	NC		
34.2	BRAKE CHAMBERS, SPRING Relocated To Rear Of Rear Axle For Maximum Ground Clearance	NC	NC		
35	<b>SPECIAL PAINT</b>				
35.1	School Bus Yellow [84S53]	NC	NC		
35.2	Omaha Orange [W5684E]	NC	NC		

**SPECIFICATION 3958-0160D (Option "C")**

108SD 4x2		MDOT PRICE	MIDEAL PRICE	DELIVERY PER MILE	EXCEPTIONS TO SPECIFICATIONS
1.1	Base cost with Regular Cab - 3958-0160D	\$66,850.00	\$66,850.00	\$1.85	108SD-L9 Cummins
1.2	Super Cab option	\$3,760.00	\$3,760.00		
1.3	Crew Cab option	\$6,333.00	\$6,333.00		
2	<b>CAB CONVENTIONAL INCLUDES:</b>				
2.1	ARM REST (2) Molded Plastic; One Each Door	INC	INC		
2.2	CLEARANCE/MARKER LIGHTS (5) Flush Mounted	INC	INC		
2.3	COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window	INC	INC		
2.4	CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel	INC	INC		
2.5	DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted	INC	INC		NO DIMMING
2.6	GLASS, ALL WINDOWS Tinted	INC	INC		
2.7	GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side	INC	INC		
2.8	GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side	INC	INC		
2.9	INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior color	INC	INC		
3	<b>CAB INTERIOR TRIM DELUXE INCLUDES:</b>				
3.1	"A" PILLAR COVER Molded Plastic	INC	INC		
3.2	CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering	INC	INC		
3.3	CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket	INC	INC		
3.4	DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors	INC	INC		
3.5	FLOOR COVERING Rubber, Black	INC	INC		
3.6	HEADLINER Soft Padded Cloth	INC	INC		

3.7	INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section	INC	INC		
3.8	STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door	INC	INC		MFG STANDARD
3.9	SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console	INC	INC		NO TOLL TICKET
4	JUMP START STUD Located on Positive Terminal of Outermost Battery	\$57.00	\$57.00		
4.1	WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever	INC	INC		
4.2	WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted	INC	INC		
4.3	WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time	\$22.00	\$22.00		
4.4	HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on	\$40.00	\$40.00		
5	ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp	\$21.00	\$21.00		
6	RADIO AM/FM/WB/Clock/3MM Auxiliary Input, with Multiple Speakers	INC	INC		
7	TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights	\$10.00	\$10.00		
8	ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, With Ignition "OFF" and any Door Opened	NC	NC		
9	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster	INC	INC		
10	GAUGE, DEF FLUID LEVEL	INC	INC		
11	DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab	INC	INC		
12	THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel	INC	INC		
13	STEERING COLUMN Tilting	INC	INC		
14	COLD STARTING EQUIPMENT Intake Manifold Electric Grid Heater with Engine ECM Control	INC	INC		
15	KEYLESS ENTRY SYSTEM REMOTE With Panic and Auxiliary Buttons, Includes One Key Fob (Transmitter)	\$500.00	\$500.00		
16	WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature	INC	INC		NO EXPRESS
17	FOG LIGHTS (2) Clear, Oval, With H355W Halogen Bulb	INC	INC		
18	INSULATION, UNDER HOOD for Sound Abatement	\$85.00	\$85.00		
19	INSULATION, SPLASH PANELS for Sound Abatement	\$174.00	\$174.00		
20	FAN DRIVE Direct Drive Type, Two Speed With Residual Torque Device for Disengaging Fan Speed. Torque Device for Disengaged Fan Speed Includes Nylon Fan	NA	NA		HORTON HT650
21	<b>TRANSMISSION, AUTOMATIC INCLUDES:</b>				
21.1	OIL FILTER, TRANSMISSION Mounted on Transmission	NA	NA		NO EXTERNAL FILTER

21.2	TRANSMISSION OIL PAN Magnet in Oil Pan	INC	INC		
21.3	SHIFT CONTROL PARAMETERS Allison 1000 or 2000 Series Transmissions, 5th Generation Controls, Performance Programming	INC	INC		
21.4	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction	INC	INC		
21.5	TRANSMISSION TCM LOCATION Located Inside Cab	\$550.00	\$550.00		
21.6	PTO LOCATION Dual, Left and Right Side of Transmission	INC	INC		
21.7	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control	\$120.00	\$120.00		
28	BODY INTEGRATED, REMOTE START/STOP To Start and Stop Vehicle Engine	\$120.00	\$120.00		
29	BODY INTEGRATED, THROTTLE CONTROL Accommodation for Single Customer Mounted External Engine Speed Control Switch, for Utility Applications, Programmable Mode for Various Switch Actions and Engine Speed Control Option, Only with Vehicle Stopped and Park Brake is Applied (requires 1 Remote Power Module input)	NC	NC		
	<b>NOTE:</b> Default Parameters - Input is Momentary Ground = Engine Speed Toggles Between Preset Speed and Idle each Time the Input is Grounded				
30	BODY INTEGRATED, PTO ACCOMMODATION for (3) Latched Rocker Switches, (1) PTO Switch, (2) Generic Switches to Control (3) 30 amp relays, With Programmable Interlocks, for Body Builder Hook up in the Engine Compartment Left Side, Recommended for Automatic Transmissions	\$560.00	\$560.00		
31	DUST SHIELDS, FRONT BRAKE for Air Brakes	NC	NC		
32	DUST SHIELDS, REAR BRAKE for Air Brakes	NC	NC		
33	TRAILER AUXILIARY FEED CIRCUIT for Electric Trailer Brake Accommodation/Air Trailer ABS; With 30 Amp Fuse and Relay, Controlled by Ignition Switch	\$650.00	\$650.00		
34.1	AIR BRAKE ABS Full Vehicle Wheel Control system (4-Channel)	NC	NC		
34.2	BRAKE CHAMBERS, SPRING Relocated To Rear Of Rear Axle For Maximum Ground Clearance	NC	NC		
35	<b>SPECIAL PAINT</b>				
35.1	School Bus Yellow [84S53]	NC	NC		
35.2	Omaha Orange [W5684E]	NC	NC		

**SPECIFICATION 3958-0164D**

M2106 4x2		MDOT PRICE	MIDEAL PRICE	DELIVERY PER MILE	EXCEPTIONS TO SPECIFICATIONS
1.1	Base cost with Regular Cab - 3958-0164D	\$57,080.00	\$57,080.00	\$1.85	
1.2	Super Cab option	\$3,911.00	\$3,911.00		
1.3	Crew Cab option	\$6,237.00	\$6,237.00		
2	<b>CAB CONVENTIONAL INCLUDES:</b>				
2.1	ARM REST (2) Molded Plastic; One Each Door	INC	INC		
2.2	CLEARANCE/MARKER LIGHTS (5) Flush Mounted	INC	INC		
2.3	COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window	INC	INC		

2.4	CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel	INC	INC		
2.5	DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted	INC	INC		
2.6	GLASS, ALL WINDOWS Tinted	INC	INC		
2.7	GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side	INC	INC		
2.8	GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side	INC	INC		
2.9	INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior color	INC	INC		
3	<b>CAB INTERIOR TRIM DELUXE INCLUDES:</b>				
3.1	"A" PILLAR COVER Molded Plastic	INC	INC		
3.2	CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering	INC	INC		
3.3	CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket	INC	INC		
3.4	DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors	INC	INC		
3.5	FLOOR COVERING Rubber, Black	INC	INC		
3.6	HEADLINER Soft Padded Cloth	INC	INC		
3.7	INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section	INC	INC		
3.8	STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door	\$98.00	\$98.00		
3.9	SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console	NC	NC		NO TOLL TICKET
4	JUMP START STUD Located on Positive Terminal of Outermost Battery	\$57.00	\$57.00		
4.1	WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever	NC	NC		
4.2	WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted	INC	INC		
4.3	WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time	\$22.00	\$20.00		
4.4	HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on	\$40.00	\$40.00		
5	ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp	\$21.00	\$21.00		
6	RADIO AM/FM/WB/Clock/3MM Auxiliary Input, with Multiple Speakers	INC	INC		
7	TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights	\$10.00	\$10.00		
8	ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, With Ignition "OFF" and any Door Opened	NC	NC		
9	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster	INC	INC		



10	GAUGE, DEF FLUID LEVEL	INC	INC		
11	DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab	INC	INC		
12	THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel	NC	NC		
13	STEERING COLUMN Tilting	INC	INC		
14	COLD STARTING EQUIPMENT Intake Manifold Electric Grid Heater with Engine ECM Control	INC	INC		
15	KEYLESS ENTRY SYSTEM REMOTE With Panic and Auxiliary Buttons, Includes One Key Fob (Transmitter)	\$500.00	\$500.00		
16	WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature	INC	INC		
17	INSULATION, UNDER HOOD for Sound Abatement	\$85.00	\$85.00		
18	INSULATION, SPLASH PANELS for Sound Abatement	\$175.00	\$175.00		
19	FAN DRIVE Direct Drive Type, Two Speed With Residual Torque Device for Disengaging Fan Speed. Torque Device for Disengaged Fan Speed Includes Nylon Fan	NA	NA		HORTON HT650
20	<b>TRANSMISSION, AUTOMATIC INCLUDES:</b>				
20.1	OIL FILTER, TRANSMISSION Mounted on Transmission	NA	NA		
20.2	TRANSMISSION OIL PAN Magnet in Oil Pan	INC	INC		
20.3	SHIFT CONTROL PARAMETERS Allison 1000 or 2000 Series Transmissions, 5th Generation Controls, Performance Programming	INC	INC		
20.4	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction	\$20.00	\$20.00		
20.5	TRANSMISSION TCM LOCATION Located Inside Cab	\$550.00	\$550.00		
20.6	PTO LOCATION Dual, Left and Right Side of Transmission	\$190.00	\$190.00		2500 RDS
20.7	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control	NC	NC		
21	BODY INTEGRATED, THROTTLE CONTROL Accommodation for Single Customer Mounted External Engine Speed Control Switch, for Utility Applications, Programmable Mode for Various Switch Actions and Engine Speed Control Option, Only with Vehicle Stopped and Park Brake is Applied (requires 1 Remote Power Module input)	NC	NC		
22	DUST SHIELDS, FRONT BRAKE for Air Brakes	INC	INC		
23	DUST SHIELDS, REAR BRAKE for Air Brakes	INC	INC		
24.1	AIR BRAKE ABS Full Vehicle Wheel Control system (4-Channel)	NC	NC		
24.2	BRAKE CHAMBERS, SPRING Relocated To Rear Of Rear Axle For Maximum Ground Clearance	NC	NC		
25	<b>SPECIAL PAINT</b>				
25.1	School Bus Yellow [84S53]	NC	NC		
25.2	Omaha Orange [W5684E]	NC	NC		

**SPECIFICATION 3958-0170D**

114 4x2		MDOT PRICE	MIDEAL PRICE	DELIVERY PER MILE	EXCEPTIONS TO SPECIFICATIONS
1.1	Base cost with Regular Cab - 3958-0170D	\$90,357.00	\$90,357.00	\$1.85	Set forward axle (SFA) also available. Must add for
1.2	Super Cab option	\$3,739.00	\$3,739.00		
1.3	Crew Cab option	\$6,538.00	\$5,738.00		



					exhaust change if selected.
<b>2</b>	<b>CAB CONVENTIONAL INCLUDES:</b>				
<b>2.1</b>	ARM REST (2) Molded Plastic; One Each Door	N C	NC		
<b>2.2</b>	CLEARANCE/MARKER LIGHTS (5) Flush Mounted	N C	NC		
<b>2.3</b>	COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window	N C	NC		
<b>2.4</b>	CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel	N C	NC		
<b>2.5</b>	DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted	N C	NC		NO DIMMING
<b>2.6</b>	GLASS, ALL WINDOWS Tinted	N C	NC		
<b>2.7</b>	GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side	N C	NC		
<b>2.8</b>	GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side	N C	NC		
<b>2.9</b>	INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior color	N C	NC		
<b>3</b>	<b>CAB INTERIOR TRIM DELUXE INCLUDES:</b>				
<b>3.1</b>	"A" PILLAR COVER Molded Plastic	N C	NC		
<b>3.2</b>	CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering	N C	NC		
<b>3.3</b>	CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket	N C	NC		
<b>3.4</b>	DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors	N C	NC		
<b>3.5</b>	FLOOR COVERING Rubber, Black	N C	NC		
<b>3.6</b>	HEADLINER Soft Padded Cloth	N C	NC		
<b>3.7</b>	INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section	N C	NC		
<b>3.8</b>	STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door	\$90.00	\$90.00		
<b>3.9</b>	SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console	N C	NC		
<b>4</b>	JUMP START STUD Located on Positive Terminal of Outermost Battery	\$57.00	\$57.00		
<b>4.1</b>	WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever	Inc	Inc		
<b>4.2</b>	WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted	Inc	Inc		
<b>4.3</b>	WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time	\$20.00	\$20.00		
<b>4.4</b>	HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on	\$40.00	\$40.00		
<b>5</b>	ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp	\$21.00	\$21.00		
<b>6</b>	RADIO AM/FM/WB/Clock/3MM Auxiliary Input, with Multiple Speakers	Inc	Inc		
<b>7</b>	TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights	\$10.00	\$10.00		

8	ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, With Ignition "OFF" and any Door Opened	N C	NC		
9	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster	Inc	Inc		
10	GAUGE, DEF FLUID LEVEL	Inc	Inc		
11	DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab	Inc	Inc		
12	THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel	Inc	Inc		
13	STEERING COLUMN Tilting	Inc	Inc		
14	COLD STARTING EQUIPMENT Intake Manifold Electric Grid Heater with Engine ECM Control	Inc	Inc		
15	KEYLESS ENTRY SYSTEM REMOTE With Panic and Auxiliary Buttons, Includes One Key Fob (Transmitter)	\$500.00	\$500.00		electric locks, no fobs
16	WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature	\$131.00	\$131.00		
17	INSULATION, UNDER HOOD for Sound Abatement	\$85.00	\$85.00		
18	INSULATION, SPLASH PANELS for Sound Abatement	\$170.00	\$170.00		
19	BACK-UP ALARM Electric, 102 dBA	\$60.00	\$60.00		
20	FENDER EXTENSIONS Rubber	Inc	Inc		
21	Add'l Cab Rustproofing	na	na		Aluminum cab
22	SNOW SHIELD (2) Chrome; for Dual Air Horns	Inc	Inc		
23	ACCESSORY WIRING, SPECIAL for Road Speed Wire Coiled Under Instrument Panel for Customer use	\$51.00	\$51.00		
24	FAN DRIVE Direct Drive Type, Two Speed With Residual Torque Device for Disengaging Fan Speed. Torque Device for Disengaged Fan Speed Includes Nylon Fan	Inc	Inc		HORTON 2-SPEED DRIVEMASTER ADVANTAGE POLAREXTREME FAN DRIVE
25	<b>TRANSMISSION, AUTOMATIC INCLUDES:</b>				
25.1	OIL FILTER, TRANSMISSION Mounted on Transmission	na	na		
25.2	TRANSMISSION OIL PAN Magnet in Oil Pan	Inc	Inc		
25.3	SHIFT CONTROL PARAMETERS Allison 1000 or 2000 Series Transmissions, 5th Generation Controls, Performance Programming	Inc	Inc		
25.4	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction	\$20.00	\$20.00		
25.5	TRANSMISSION TCM LOCATION Located Inside Cab	\$550.00	\$550.00		
25.6	PTO LOCATION Dual, Left and Top Side of Transmission on Spec 3958-0172D	N C	NC		
25.7	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control	N C	NC		no y cord, see fuel tank supplier
26	BODY INTEGRATED, THROTTLE CONTROL Accommodation for Single Customer Mounted External Engine Speed Control Switch, for Utility Applications, Programmable Mode for Various Switch Actions and Engine Speed Control Option, Only with Vehicle Stopped and Park Brake is Applied (requires 1 Remote Power Module input)	Inc	Inc		VEHICLE INTERFACE WIRING CONNECTOR WITH PDM AND NO BLUNT CUTS, AT BACK OF CAB
27	DUST SHIELDS, FRONT BRAKE for Air Brakes	Inc	Inc		
28	DUST SHIELDS, REAR BRAKE for Air Brakes	Inc	Inc		

29	TRAILER CONNECTIONS Four-Wheel, With Hand Control Valve and Tractor Protection Valve, for Straight Truck	Inc	Inc		
30	AIR BRAKE ABS Full Vehicle Wheel Control system (4-Channel)	Inc	Inc		
31	<b>SPECIAL PAINT</b>				
31.1	School Bus Yellow [84S53]	N C	NC		
31.2	Omaha Orange [W5684E]	N C	NC		

**SPECIFICATION 3958-0172D**

114SD SFA 6x4		MDOT PRICE	MIDEAL PRICE	DELIVERY PER MILE	EXCEPTIONS TO SPECIFICATIONS
1.1	Base cost with Regular Cab - 3958-0172D	\$104,254.00	\$104,254.00	\$1.85	
1.2	Super Cab option	\$3,746.00	\$3,746.00	\$1.85	
1.3	Crew Cab option	na	na	na	
2	<b>CAB CONVENTIONAL INCLUDES:</b>				
2.1	ARM REST (2) Molded Plastic; One Each Door	NC	NC		
2.2	CLEARANCE/MARKER LIGHTS (5) Flush Mounted	NC	NC		
2.3	COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window	NC	NC		
2.4	CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel	NC	NC		
2.5	DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted	NC	NC		NO DIMMING
2.6	GLASS, ALL WINDOWS Tinted	INC	INC		
2.7	GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side	NC	NC		
2.8	GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side	NC	NC		
2.9	INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior color	NC	NC		
3	<b>CAB INTERIOR TRIM DELUXE INCLUDES:</b>				
3.1	"A" PILLAR COVER Molded Plastic	NC	NC		
3.2	CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering	INC	INC		
3.3	CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket	INC	INC		
3.4	DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors	INC	INC		
3.5	FLOOR COVERING Rubber, Black	INC	INC		
3.6	HEADLINER Soft Padded Cloth	INC	INC		
3.7	INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section	INC	INC		
3.8	STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door				1/2 PIECE
3.9	SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console	NC	NC		NO TOLL TICKET
4	JUMP START STUD Located on Positive Terminal of Outermost Battery	\$57.00	\$57.00		
4.1	WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever	INC	INC		

4.2	WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted	INC	INC		
4.3	WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time	\$22.00	\$22.00		
4.4	HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on	\$40.00	\$40.00		
5	ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp	\$21.00	\$21.00		
6	RADIO AM/FM/WB/Clock/3MM Auxiliary Input, with Multiple Speakers	INC	INC		
7	TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights	\$11.00	\$11.00		
8	ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, With Ignition "OFF" and any Door Opened	NC	NC		
9	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster	INC	INC		
10	GAUGE, DEF FLUID LEVEL	INC	INC		
11	DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab	INC	INC		
12	THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel	INC	INC		
13	STEERING COLUMN Tilting	INC	INC		
14	COLD STARTING EQUIPMENT Intake Manifold Electric Grid Heater with Engine ECM Control	INC	INC		
15	KEYLESS ENTRY SYSTEM REMOTE With Panic and Auxiliary Buttons, Includes One Key Fob (Transmitter)	\$500.00	\$500.00		ELECTRIC LOCKS NO FOBS
16	WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature	NA	NA		PUSH DOWN ELECTRIC
17	INSULATION, UNDER HOOD for Sound Abatement	\$85.00	\$85.00		
18	INSULATION, SPLASH PANELS for Sound Abatement	\$174.00	\$174.00		
19	BACK-UP ALARM Electric, 102 dBA	\$100.00	\$100.00		PRECO MODEL 360,107 DB ALARM
20	FENDER EXTENSIONS Rubber	INC	INC		
21	Add'l Cab Rustproofing	NA	NA		ALUMINUM CAB
22	SNOW SHIELD (2) Chrome; for Dual Air Horns	INC	INC		
23	ACCESSORY WIRING, SPECIAL for Road Speed Wire Coiled Under Instrument Panel for Customer use	INC	INC		
24	FAN DRIVE Direct Drive Type, Two Speed With Residual Torque Device for Disengaging Fan Speed. Torque Device for Disengaged Fan Speed Includes Nylon Fan	NA	NA		INCLUDES BORG WARNER (KYSOR) REAR AIR ON/OFF ENGINE FAN CLUTCH
25	<b>TRANSMISSION, AUTOMATIC INCLUDES:</b>				
25.1	OIL FILTER, TRANSMISSION Mounted on Transmission	NA	NA		
25.2	TRANSMISSION OIL PAN Magnet in Oil Pan	YES	YES		
25.3	SHIFT CONTROL PARAMETERS Allison 1000 or 2000 Series Transmissions, 5th Generation Controls, Performance Programming	INC	INC		
25.4	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction	\$20.00	\$20.00		
25.5	TRANSMISSION TCM LOCATION Located Inside Cab	\$550.00	\$550.00		

25.6	PTO LOCATION Dual, Left and Top Side of Transmission on Spec 3958-0172D	INC	INC		PTO Through Radiator.
25.7	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls: With Ignition Switch Control	INC	INC		no y cord, see fuel tank supplier
26	BODY INTEGRATED, THROTTLE CONTROL Accommodation for Single Customer Mounted External Engine Speed Control Switch, for Utility Applications, Programmable Mode for Various Switch Actions and Engine Speed Control Option, Only with Vehicle Stopped and Park Brake is Applied (requires 1 Remote Power Module input)	INC	INC		VEHICLE INTERFACE WIRING CONNECTOR WITH PDM AND NO BLUNT CUTS, AT BACK OF CAB
27	DUST SHIELDS, FRONT BRAKE for Air Brakes	INC	INC		
28	DUST SHIELDS, REAR BRAKE for Air Brakes	INC	INC		
29	TRAILER CONNECTIONS Four-Wheel, With Hand Control Valve and Tractor Protection Valve, for Straight Truck	INC	INC		
30	AIR BRAKE ABS Full Vehicle Wheel Control system (4-Channel)	INC	INC		
31	SUSPENSION, REAR, AIR, SINGLE Require 14VAJ Suspension	-\$247.00	-\$247.00		DEDUCTION OF PRICE, ADD FOR DUMP VALVES
32	<b>SPECIAL PAINT</b>				
32.1	School Bus Yellow [84S53]	NC	NC		
32.2	Omaha Orange [W5684E]	NC	NC		

**SPECIFICATION 3958-0173D**

114SD SFA 6x4		MDOT PRICE	MIDEAL PRICE	DELIVERY PER MILE	EXCEPTIONS TO SPECIFICATIONS
1.1	Base cost with Regular Cab - 3958-0173D	\$82,550.00	\$82,550.00	\$1.85	
1.2	Super Cab option	\$3,850.00	\$3,850.00	\$1.85	Add
1.3	Crew Cab option	\$6,400.00	\$6,400.00	\$1.85	Add
2	<b>CAB CONVENTIONAL INCLUDES:</b>				
2.1	ARM REST (2) Molded Plastic; One Each Door	NC	NC		
2.2	CLEARANCE/MARKER LIGHTS (5) Flush Mounted	NC	NC		
2.3	COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window	NC	NC		
2.4	CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel	NC	NC		
2.5	DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted	NC	NC		NO DIMMING
2.6	GLASS, ALL WINDOWS Tinted	INC	INC		
2.7	GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side	INC	INC		
2.8	GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side	NC	INC		
2.9	INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior color	INC	INC		
3	<b>CAB INTERIOR TRIM DELUXE INCLUDES:</b>				
3.1	"A" PILLAR COVER Molded Plastic	INC	INC		
3.2	CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering	INC	INC		

3.3	CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket				
3.4	DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors	NC	NC		
3.5	FLOOR COVERING Rubber, Black	NC	NC		
3.6	HEADLINER Soft Padded Cloth	NC	NC		
3.7	INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section	NC	NC		
3.8	STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door	\$75.00	\$75.00		
3.9	SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console	NC	NC		no toll ticket
4	JUMP START STUD Located on Positive Terminal of Outermost Battery	\$57.00	\$57.00		
4.1	WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever	NC	NC		
4.2	WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted	NC	NC		
4.3	WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time	\$20.00	\$20.00		
4.4	HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on	\$40.00	\$40.00		
5	ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp	\$21.00	\$21.00		
6	RADIO AM/FM/WB/Clock/3MM Auxiliary Input, with Multiple Speakers	inc	inc		
7	TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights	\$11.00	\$11.00		
8	ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, With Ignition "OFF" and any Door Opened	NC	NC		
9	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster	INC	INC		
10	GAUGE, DEF FLUID LEVEL	nc	nc		
11	DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab	INC	INC		
12	THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel	nc	inc		
13	STEERING COLUMN Tilting	INC	INC		
14	COLD STARTING EQUIPMENT Intake Manifold Electric Grid Heater with Engine ECM Control	INC	INC		
15	KEYLESS ENTRY SYSTEM REMOTE With Panic and Auxiliary Buttons, Includes One Key Fob (Transmitter)	\$500.00	\$500.00		electric locks \$159
16	WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature	\$159.00	\$159.00		add \$ 159.00 package
17	INSULATION, UNDER HOOD for Sound Abatement	\$85.00	\$85.00		
18	INSULATION, SPLASH PANELS for Sound Abatement	\$174.00	\$174.00		
19	BACK-UP ALARM Electric, 102 dBA	\$98.00	\$98.00		
20	FENDER EXTENSIONS Rubber	\$60.00	\$60.00		BOLT-ON MOLDED FLEXIBLE FENDER EXTENSIONS
21	Add'l Cab Rustproofing	na	na		aluminum cab included

22	SNOW SHIELD (2) Chrome; for Dual Air Horns	INC	INC		
23	ACCESSORY WIRING, SPECIAL for Road Speed Wire Coiled Under Instrument Panel for Customer use	INC	INC		
24	FAN DRIVE Direct Drive Type, Two Speed With Residual Torque Device for Disengaging Fan Speed. Torque Device for Disengaged Fan Speed Includes Nylon Fan	INC	INC		
25	<b>TRANSMISSION, AUTOMATIC INCLUDES:</b>				
25.1	OIL FILTER, TRANSMISSION Mounted on Transmission	na	na		no exterior filter
25.2	TRANSMISSION OIL PAN Magnet in Oil Pan	INC	INC		
25.3	SHIFT CONTROL PARAMETERS Allison 1000 or 2000 Series Transmissions, 5th Generation Controls, Performance Programming	INC	INC		
25.4	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction	\$20.00	\$20.00		
25.5	TRANSMISSION TCM LOCATION Located Inside Cab	\$550.00	\$550.00		
25.6	PTO LOCATION Dual, Left and Top Side of Transmission on Spec 3958-0172D	INC	INC		PTO Through Radiator.
25.7	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control	NC	NC		
26	BODY INTEGRATED, THROTTLE CONTROL Accommodation for Single Customer Mounted External Engine Speed Control Switch, for Utility Applications, Programmable Mode for Various Switch Actions and Engine Speed Control Option, Only with Vehicle Stopped and Park Brake is Applied (requires 1 Remote Power Module input)	NC	NC		
27	DUST SHIELDS, FRONT BRAKE for Air Brakes	\$20.00	\$20.00		
28	DUST SHIELDS, REAR BRAKE for Air Brakes	\$68.00	\$68.00		
29	TRAILER CONNECTIONS Four-Wheel, With Hand Control Valve and Tractor Protection Valve, for Straight Truck	INC	INC		
30	AIR BRAKE ABS Full Vehicle Wheel Control system (4-Channel)	INC	INC		
31	SUSPENSION, REAR, AIR, SINGLE Require 14VAJ Suspension	\$980.00	\$980.00		
32	<b>SPECIAL PAINT</b>				
32.1	School Bus Yellow [84553]	NC	NC		
32.2	Omaha Orange [W5684E]	NC	NC		

**SPECIFICATION 3958-0178D**

114SD 6x4		MDOT PRICE	MIDEAL PRICE	DELIVERY PER MILE	EXCEPTIONS TO SPECIFICATIONS
1	Base cost with Regular Cab	\$94,180.00	\$94,180.00	\$1.85	4500 RDS AT
2	<b>CAB CONVENTIONAL INCLUDES:</b>	Detroit Diesel 13L - 4500 RDS AT (450 HP @ 1650 ft. lbs. torque)			
2.1	ARM REST (2) Molded Plastic; One Each Door	inc	inc		
2.2	CLEARANCE/MARKER LIGHTS (5) Flush Mounted	inc	inc		
2.3	COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window	inc	inc		
2.4	CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel	inc	inc		
2.5	DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted	inc	inc		no dim



2.6	GLASS, ALL WINDOWS Tinted	inc	inc		
2.7	GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side	inc	inc		
2.8	GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side	inc	inc		
2.9	INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior color	inc	inc		
3	<b>CAB INTERIOR TRIM DELUXE INCLUDES:</b>				
3.1	"A" PILLAR COVER Molded Plastic	inc	inc		
3.2	CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering	inc	inc		
3.3	CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket	inc	inc		
3.4	DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors	inc	inc		
3.5	FLOOR COVERING Rubber, Black	inc	inc		
3.6	HEADLINER Soft Padded Cloth	inc	inc		
3.7	INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section	inc	inc		
3.8	STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door	\$65.00	\$65.00		693-023 LH DOOR MAP POCKET
3.9	SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console	inc	inc		no toll ticket
4	JUMP START STUD Located on Positive Terminal of Outermost Battery	\$57.00	\$57.00		
4.1	WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever	inc	inc		
4.2	WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted	inc	inc		
4.3	WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time	\$22.00	\$22.00		
4.4	HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on	\$40.00	\$40.00		
5	ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp	\$21.00	\$21.00		Delco brand
6	RADIO AM/FM/WB/Clock/3MM Auxiliary Input, with Multiple Speakers				AM/FM/WB WORLD TUNER RADIO WITH AUXILIARY INPUT, J1939
7	2-WAY RADIO Wiring Effects; Wiring With 20 Amp Fuse Protection, Includes Ignition Wire With 5 Amp Fuse, Wire Ends Heat Shrink and 10' Coil Taped to Base harness	Std	Std		748-006 POWER AND GROUND WIRING PROVISION OVERHEAD
8	TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights	\$11.00	\$11.00		
9	ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, With Ignition "OFF" and any Door Opened	nc	nc		
10	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster	inc	inc		



11	GAUGE, DEF FLUID LEVEL	inc	inc		
12	DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab	inc	inc		
13	THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel	inc	inc		
14	STEERING COLUMN Tilting	inc	inc		
15	COLD STARTING EQUIPMENT Intake Manifold Electric Grid Heater with Engine ECM Control	inc	inc		
16	KEYLESS ENTRY SYSTEM REMOTE With Panic and Auxiliary Buttons, Includes One Key Fob (Transmitter)	\$500.00	\$500.00		electric door locks add \$100
17	WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature	\$179.00	\$179.00		
18	FOG LIGHTS (2) Clear, Oval, With H355W Halogen Bulb	\$120.00	\$120.00		
19	INSULATION, UNDER HOOD for Sound Abatement	\$85.00	\$85.00		
20	INSULATION, SPLASH PANELS for Sound Abatement	\$176.00	\$176.00		
21	BACK-UP ALARM Electric, 102 dBA	\$100.00	\$100.00		
22	FENDER EXTENSIONS Rubber	\$47.00	\$47.00		
23	FAN DRIVE Direct Drive Type, Two Speed With Residual Torque Device for Disengaging Fan Speed. Torque Device for Disengaged Fan Speed Includes Nylon Fan	\$70.00	\$70.00		NA with SBA
24	<b>TRANSMISSION, AUTOMATIC INCLUDES:</b>				
24.1	OIL FILTER, TRANSMISSION Mounted on Transmission	na	na		no external filter
24.2	TRANSMISSION OIL PAN Magnet in Oil Pan	inc	inc		
24.3	SHIFT CONTROL PARAMETERS Allison 1000 or 2000 Series Transmissions, 5th Generation Controls, Performance Programming	inc	inc		
24.4	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction	\$20.00	\$20.00		
24.5	TRANSMISSION TCM LOCATION Located Inside Cab	\$500.00	\$500.00		
24.6	PTO LOCATION Dual, Left and Right Side of Transmission	nc	NC		RH and bottom trans pto mounts. PTO through radiator.
24.7	PTO LOCATION Dual, Left and Top Side of Transmission on Spec 3958-0172D	NC	NC		RH and bottom trans pto mounts
24.8	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control	INC	INC		
28	BODY INTEGRATED, REMOTE START/STOP To Start and Stop Vehicle Engine	INC	INC		
29	BODY INTEGRATED, THROTTLE CONTROL Accommodation for Single Customer Mounted External Engine Speed Control Switch, for Utility Applications, Programmable Mode for Various Switch Actions and Engine Speed Control Option, Only with Vehicle Stopped and Park Brake is Applied (requires 1 Remote Power Module input)	NC	NC		
	<b>NOTE:</b> Default Parameters - Input is Momentary Ground = Engine Speed Toggles Between Preset Speed and Idle each Time the Input is Grounded				

<b>30</b>	BODY INTEGRATED, PTO ACCOMMODATION for (3) Latched Rocker Switches, (1) PTO Switch, (2) Generic Switches to Control (3) 30 amp relays, With Programmable Interlocks, for Body Builder Hook up in the Engine Compartment Left Side, Recommended for Automatic Transmissions	\$560.00	\$560.00		
<b>31</b>	DUST SHIELDS, FRONT BRAKE for Air Brakes	inc	inc		
<b>32</b>	DUST SHIELDS, REAR BRAKE for Air Brakes	INC	INC		
<b>33</b>	TRAILER AUXILIARY FEED CIRCUIT for Electric Trailer Brake Accommodation/Air Trailer ABS; With 30 Amp Fuse and Relay, Controlled by Ignition Switch	\$650.00	\$650.00		
<b>34</b>	TRAILER CONNECTIONS Four-Wheel, With Hand Control Valve and Tractor Protection Valve, for Straight Truck	NC	NC		
<b>35</b>	AIR BRAKE ABS Full Vehicle Wheel Control system (4-Channel)	NC	NC		
<b>36.1</b>	SUSPENSION, REAR, AIR, Tandem, 55" axle spacing with shock absorbers mounted in board.	\$1,250.00	\$1,250.00		
<b>36.2</b>	Suspension air control in cab	\$100.00	\$100.00		
<b>37</b>	<b>SPECIAL PAINT</b>				
<b>37.1</b>	School Bus Yellow [84S53]	NC	NC		
<b>37.2</b>	Omaha Orange [W5684E]	NC	NC		

**Prepared for:**  
Ds J T  
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Phone: 517-334-7763

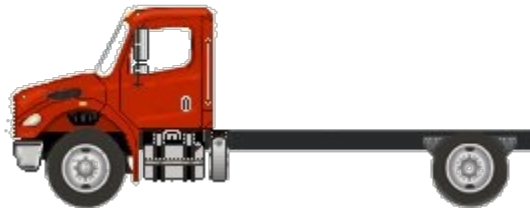
**Prepared by:**  
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Phone: (517) 484-1905 Ext. 129

*A proposal for*  
**State of Michigan – 096D 4x4 Manual Transmission**

*Prepared by*  
**D & K TRUCK COMPANY**  
*Edward Merrill*

*Mar 21, 2017*

**Freightliner M2 106**



Components shown may not reflect all spec'd options and are not to scale

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## S P E C I F I C A T I O N P R O P O S A L

Data Code	Description	Weight Front	Weight Rear	Retail Price
<b>Price Level</b>				
PRL-15M	M2 PRL-15M (EFF:10/25/16)			STD
<b>Data Version</b>				
DRL-016	SPECPRO21 DATA RELEASE VER 016			N/C
<b>Vehicle Configuration</b>				
001-172	M2 106 CONVENTIONAL CHASSIS	5,759	3,503	\$100,130.00
004-218	2018 MODEL YEAR SPECIFIED			N/C
002-004	SET BACK AXLE - TRUCK			STD
019-002	STRAIGHT TRUCK PROVISION			STD
003-001	LH PRIMARY STEERING LOCATION			STD
<b>General Service</b>				
AA1-002	TRUCK CONFIGURATION			STD
AA6-002	DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)			STD
A85-010	UTILITY/REPAIR/MAINTENANCE SERVICE			N/C
A84-1GM	GOVERNMENT BUSINESS SEGMENT			N/C
AA4-011	FIXED LOAD COMMODITY			N/C
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS			STD
AB1-008	MAXIMUM 8% EXPECTED GRADE			STD
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE			STD
995-091	MEDIUM TRUCK WARRANTY			STD
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 8400.0 lbs			
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 17500.0 lbs			
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 25900.0 lbs			
<b>Truck Service</b>				
AA3-005	FLATBED/PLATFORM/STAKE BODY			N/C



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Data Code	Description	Weight Front	Weight Rear	Retail Price
AF7-99D	EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in			
<b>Engine</b>				
101-21T	CUM B6.7 240 HP @ 2400 RPM, 2600 GOV, 560 LB/FT @ 1600 RPM			\$2,544.00
<b>Electronic Parameters</b>				
79A-075	75 MPH ROAD SPEED LIMIT			N/C
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT			N/C
79K-007	PTO MODE ENGINE RPM LIMIT - 1100 RPM			N/C
79N-001	PTO MODE CLUTCH OVERRIDE - CLUTCH ENABLED			N/C
79P-002	PTO RPM WITH CRUISE SET SWITCH - 700 RPM			N/C
79Q-003	PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM			N/C
79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH			N/C
79U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND			N/C
80G-002	PTO MINIMUM RPM - 700			N/C
80J-002	REGEN INHIBIT SPEED THRESHOLD - 5 MPH			N/C
<b>Engine Equipment</b>				
99C-017	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION			N/C
99D-010	NO 2008 CARB EMISSION CERTIFICATION			N/C
13E-001	STANDARD OIL PAN			STD
105-001	ENGINE MOUNTED OIL CHECK AND FILL			STD
133-004	ONE PIECE VALVE COVER			STD
014-099	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER			STD
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE			STD
292-1D8	(2) ALLIANCE MODEL 1131, GROUP 31, 12 VOLT MAINTENANCE FREE 1900 CCA THREADED STUD BATTERIES, NON FCCC ONLY			STD
290-017	BATTERY BOX FRAME MOUNTED			STD
281-001	STANDARD BATTERY JUMPERS			STD
282-001	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB			STD
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN			STD
289-001	NON-POLISHED BATTERY BOX COVER			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
180-063	EATON FULLER 365MM CERAMIC 1 PLATE MAINTENANCE FREE WEAR-THROUGH CLUTCH			N/C
182-005	HYDRAULIC CLUTCH CONTROL			N/C
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE			STD
108-002	STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR			STD
131-013	AIR COMPRESSOR DISCHARGE LINE			STD
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM			STD
016-1C3	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE			STD
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH			STD
239-001	STANDARD EXHAUST SYSTEM LENGTH			STD
237-052	RH STANDARD HORIZONTAL TAILPIPE			STD
23U-001	6 GALLON DIESEL EXHAUST FLUID TANK			STD
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL			STD
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION			STD
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING			STD
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP			STD
273-035	HORTON HT650 FRONTAL AIR ON/OFF ENGINE FAN CLUTCH			STD
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED			STD
110-003	CUMMINS SPIN ON FUEL FILTER			STD
118-001	FULL FLOW OIL FILTER			STD
266-078	950 SQUARE INCH ALUMINUM RADIATOR			STD
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT			STD
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT			STD
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES			STD
270-016	RADIATOR DRAIN VALVE			STD
168-002	LOWER RADIATOR GUARD			STD
138-010	PHILLIPS-TEMRO 750 WATT/115 VOLT BLOCK HEATER	4		\$108.00



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Data Code	Description	Weight Front	Weight Rear	Retail Price
140-053	BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR			N/C
134-001	ALUMINUM FLYWHEEL HOUSING			STD
132-004	ELECTRIC GRID AIR INTAKE WARMER			STD
155-057	DELCO 12V 29MT STARTER WITH INTEGRATED MAGNETIC SWITCH			STD

### Transmission

342-1CB	EATON FULLER FS-6406A TRANSMISSION	40	20	(\$1,662.00)
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### Transmission Equipment

84U-998	TCU DRIVER SW INPUTS NOT SUPPORTED			N/C
347-002	ALUMINUM CLUTCH HOUSING			N/C
363-011	PTO MOUNTING, LH OF MAIN TRANSMISSION			N/C
341-017	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION FILL AND DRAIN, AXLE(S) FILL AND DRAIN			N/C
345-001	PAINTED SHIFT LEVER, SOLID LINKAGE			N/C
375-006	MERITOR MTC-4210 AND MTC-4213 TRANSFER CASE OIL COOLER	20		N/C
373-042	MERITOR MTC 4210XL-EVO 2-SPEED TRANSFER CASE	325	325	\$10,945.00
376-001	TRANSFER CASE SHIFT CONTROLS WITH TRANSFER CASE PTO ON/OFF SWITCH WHEN APPLICABLE			N/C
35T-003	SYNTHETIC TRANSMISSION LUBE			N/C

### Front Axle and Equipment

*	400-101	MX-10-120-EVO 10,000# 1790MM KPI SINGLE FRONT DRIVE AXLE	900		\$18,198.00
	398-456	4.56 FRONT AXLE RATIO			N/C
	389-079	MXL 16T MERITOR EXTENDED LUBE FRONT STEERING AXLE DRIVELINE WITH HALF ROUND YOKES			N/C
	402-087	MERITOR 16.5X5 Q+ MX DRIVE AXLE CAST SPIDER HEAVY DUTY CAM FRONT BRAKES			N/C
	403-002	NON-ASBESTOS FRONT BRAKE LINING			STD
	419-015	MERITOR CAST IRON FRONT BRAKE DRUMS			N/C
	427-001	FRONT BRAKE DUST SHIELDS			N/C
	409-006	FRONT OIL SEALS			N/C
	416-022	STANDARD SPINDLE NUTS FOR ALL AXLES			STD
	405-002	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS			STD
	536-050	TRW THP-60 POWER STEERING			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
539-003	POWER STEERING PUMP			STD
534-015	2 QUART SEE THROUGH POWER STEERING RESERVOIR			STD
40T-002	SYNTHETIC 75W-90 FRONT AXLE LUBE			\$11.00
<b>Front Suspension</b>				
620-062	10,000# TAPERLEAF FRONT SUSPENSION			\$21.00
619-005	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION			STD
62H-998	NO FRONT SUSPENSION SPRING BRACKET OPTIONS			STD
410-001	FRONT SHOCK ABSORBERS			STD
<b>Rear Axle and Equipment</b>				
420-1C6	DETROIT DA-RS-17.5-2 17,500# R-SERIES SINGLE REAR AXLE		-170	(\$352.00)
421-456	4.56 REAR AXLE RATIO			N/C
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING			STD
386-073	MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES			STD
382-073	MXL 17T MERITOR EXTENDED LUBE INTERTRANSMISSION DRIVELINE WITH HALF ROUND YOKES			N/C
423-020	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES			STD
433-002	NON-ASBESTOS REAR BRAKE LINING			STD
434-012	BRAKE CAMS AND CHAMBERS ON REAR SIDE OF DRIVE AXLE(S)			N/C
451-023	CONMET CAST IRON REAR BRAKE DRUMS			STD
440-021	SKF SCOTSEAL PLUS XL REAR OIL SEALS			STD
426-074	HALDEX GOLDSEAL LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS			STD
428-002	MERITOR AUTOMATIC REAR SLACK ADJUSTERS			STD
41T-001	ORGANIC SAE 80/90 REAR AXLE LUBE			STD
<b>Rear Suspension</b>				
622-002	20,000# FLAT LEAF SPRING REAR SUSPENSION WITH RADIUS ROD		40	(\$1,323.00)
621-006	SPRING SUSPENSION - 2.25 INCH AXLE SPACER		10	\$234.00
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP			STD





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Data Code	Description	Weight Front	Weight Rear	Retail Price
623-005	FORE/AFT CONTROL RODS			N/C
<b>Brake System</b>				
018-002	AIR BRAKE PACKAGE			STD
490-100	WABCO 4S/4M ABS WITHOUT TRACTION CONTROL			STD
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES			STD
904-001	FIBER BRAID PARKING BRAKE HOSE			STD
412-001	STANDARD BRAKE SYSTEM VALVES			STD
46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM			STD
413-002	STD U.S. FRONT BRAKE VALVE			STD
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE			STD
480-083	WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER			STD
479-015	AIR DRYER FRAME MOUNTED			STD
460-001	STEEL AIR BRAKE RESERVOIRS			STD
477-001	PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS			STD
<b>Trailer Connections</b>				
335-004	UPGRADED CHASSIS MULTIPLEXING UNIT			STD
32A-002	UPGRADED BULKHEAD MULTIPLEXING UNIT			STD
30L-998	NO HIGH CURRENT TRAILER/BODY CABLE			STD
<b>Wheelbase &amp; Frame</b>				
545-487	4875MM (192 INCH) WHEELBASE			N/C
546-092	11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8/0.344X10.94 INCH) 80KSI	120	120	\$557.00
552-014	1900MM (75 INCH) REAR FRAME OVERHANG			N/C
55W-007	FRAME OVERHANG RANGE: 71 INCH TO 80 INCH	-20	90	N/C
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 126.45 in			
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 121.95 in			
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 296.39			
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 126.45 in			
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 113.62 in			N/C
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 83.64 in			N/C



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Data Code	Description	Weight Front	Weight Rear	Retail Price
553-001	SQUARE END OF FRAME			STD
550-001	FRONT CLOSING CROSSMEMBER			STD
559-001	STANDARD WEIGHT ENGINE CROSSMEMBER			STD
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)			STD
572-001	STANDARD REAR MOST CROSSMEMBER			STD
565-001	STANDARD SUSPENSION CROSSMEMBER			STD
<b>Chassis Equipment</b>				
556-1AN	THREE-PIECE 14 INCH STEEL CENTER BUMPER WITH FLEXIBLE PLASTIC ENDS			STD
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE			STD
586-024	FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS			STD
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS			STD
<b>Fuel Tanks</b>				
206-192	50 GALLON/189 LITER RECTANGULAR ALUMINUM FUEL TANK - RH	80	20	\$820.00
204-192	50 GALLON/189 LITER RECTANGULAR ALUMINUM FUEL TANK - LH	20		\$31.00
218-005	RECTANGULAR FUEL TANK(S)			STD
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS			STD
212-014	LH FUEL TANK MOUNTED FORWARD, RH FUEL TANK MOUNTED AFT	-35	35	N/C
664-001	PLAIN STEP FINISH			STD
205-001	FUEL TANK CAP(S)			STD
122-1J1	DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR, HAND PRIMER AND 12 VOLT PREHEATER"	-5		\$32.00
216-020	EQUIFLO INBOARD FUEL SYSTEM			STD
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE			STD
<b>Tires</b>				
093-2C6	HANKOOK DL11 11R22.5 14 PLY RADIAL FRONT TIRES	30		(\$410.00)
094-2C6	HANKOOK DL11 11R22.5 14 PLY RADIAL REAR TIRES		60	(\$820.00)
<b>Hubs</b>				
418-015	MERITOR IRON FRONT HUBS			N/C



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Data Code	Description	Weight Front	Weight Rear	Retail Price
450-056	CONMET PRESET PLUS IRON REAR HUBS			STD
<b>Wheels</b>				
502-1F2	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC FRONT WHEELS			STD
505-1F2	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC REAR WHEELS			STD
511-1F2	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC SPARE WHEEL		70	\$117.00
496-011	FRONT WHEEL MOUNTING NUTS			STD
497-011	REAR WHEEL MOUNTING NUTS			STD
<b>Cab Exterior</b>				
829-071	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB			STD
650-009	RUBBER CAB MOUNTS			STD
678-001	LH AND RH GRAB HANDLES			STD
646-009	PAINTED PLASTIC GRILLE			STD
65X-001	ARGENT SILVER HOOD MOUNTED AIR INTAKE GRILLE			STD
644-004	FIBERGLASS HOOD			STD
726-001	SINGLE ELECTRIC HORN			STD
657-1CV	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME WITH (4) KEYS			\$19.00
575-001	REAR LICENSE PLATE MOUNT END OF FRAME			STD
312-043	INTEGRAL HEADLIGHT/MARKER ASSEMBLY			STD
302-001	(5) AMBER MARKER LIGHTS			STD
294-001	INTEGRAL STOP/TAIL/BACKUP LIGHTS			STD
300-015	STANDARD FRONT TURN SIGNAL LAMPS			STD
744-1BN	DUAL WEST COAST BRIGHT FINISH MIRRORS			\$95.00
797-001	DOOR MOUNTED MIRRORS			STD
796-001	102 INCH EQUIPMENT WIDTH			STD
743-204	LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS			N/C
729-001	STANDARD SIDE/REAR REFLECTORS			STD
768-043	63X14 INCH TINTED REAR WINDOW			STD
661-003	TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS			STD
654-003	MANUAL DOOR WINDOW REGULATORS			STD
663-013	TINTED WINDSHIELD			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
659-019	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED			STD
<b>Cab Interior</b>				
707-1AM	OPAL GRAY CLOTH INTERIOR			STD
706-013	MOLDED PLASTIC DOOR PANEL			STD
708-013	MOLDED PLASTIC DOOR PANEL			STD
772-006	BLACK MATS WITH SINGLE INSULATION			STD
691-008	FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING			STD
694-010	IN DASH STORAGE BIN			STD
742-007	(2) CUP HOLDERS LH AND RH DASH			STD
680-006	GRAY/CHARCOAL FLAT DASH			STD
700-002	HEATER, DEFROSTER AND AIR CONDITIONER			STD
701-001	STANDARD HVAC DUCTING			STD
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH			STD
170-015	STANDARD HEATER PLUMBING			STD
130-033	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR			STD
702-002	BINARY CONTROL, R-134A			STD
739-033	STANDARD INSULATION			STD
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES			STD
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM			STD
324-014	DOME LIGHT WITH 3-WAY SWITCH ACTIVATED BY LH AND RH DOORS			STD
655-001	CAB DOOR LATCHES WITH MANUAL DOOR LOCKS			STD
284-023	(1) 12 VOLT POWER SUPPLY IN DASH			\$17.00
756-1J1	BASIC HIGH BACK NON SUSPENSION DRIVER SEAT WITH FORE AND AFT ADJUSTMENT			STD
760-235	2 MAN TOOL BOX MID BACK NON SUSPENSION PASSENGER SEAT	20		\$178.00
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS			STD
758-036	VINYL WITH VINYL INSERT DRIVER SEAT			STD
761-036	VINYL WITH VINYL INSERT PASSENGER SEAT			STD
763-101	BLACK SEAT BELTS			STD
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10		\$478.00
540-015	4-SPOKE 18 INCH (450MM) STEERING WHEEL			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS			STD
<b>Instruments &amp; Controls</b>				
732-004	GRAY DRIVER INSTRUMENT PANEL			STD
734-004	GRAY CENTER INSTRUMENT PANEL			STD
87L-001	ENGINE REMOTE INTERFACE WITH PARK BRAKE INTERLOCK			N/C
870-001	BLACK GAUGE BEZELS			STD
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM			STD
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES			STD
198-025	INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS			STD
149-013	ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL			STD
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY			STD
811-042	ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED			STD
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH			STD
844-001	2 INCH ELECTRIC FUEL GAUGE			STD
148-070	ENGINE REMOTE INTERFACE WITH PRESET FAST IDLE			\$85.00
163-004	ENGINE REMOTE INTERFACE CONNECTOR IN ENGINE COMPARTMENT			(\$16.00)
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE			STD
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY			STD
372-051	CUSTOMER FURNISHED AND INSTALLED PTO CONTROLS			N/C
73B-998	NO LANE DEPARTURE WARNING SYSTEM			STD
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE			STD
746-114	AM/FM/WB WORLD TUNER RADIO WITH AUXILIARY INPUT, J1939	10		\$274.00
747-001	DASH MOUNTED RADIO			N/C
750-002	(2) RADIO SPEAKERS IN CAB			N/C
753-001	AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF	2		N/C



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810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER			STD
817-001	STANDARD VEHICLE SPEED SENSOR			STD
812-001	ELECTRONIC 3000 RPM TACHOMETER			STD
8D1-998	NO DIRECT CONNECT			STD
8Z1-998	NO ZONAR SYSTEMS (SCO)			STD
162-011	IDLE LIMITER, ELECTRONIC ENGINE			STD
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY			STD
660-008	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY			STD
304-001	MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH			STD
882-009	ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR			STD
299-013	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE			STD
298-039	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS			STD
869-998	NO MISCELLANEOUS GAUGES			STD
<b>Design</b>				
065-000	PAINT: ONE SOLID COLOR			STD
<b>Color</b>				
980-4B7	CAB COLOR A: N0789EA OMAHA ORANGE ELITE SS			N/C
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT			STD
98K-998	NO FUEL TANK CABINET PAINT			STD
962-972	POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)			STD
966-972	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)			STD
96F-972	POWDER WHITE (N0006EA) SPARE WHEEL/RIM (PKWHT21, TKWHT21, W, TW)			N/C
964-6Z7	BUMPER PAINT: FP24812 ARGENT SILVER DUPONT FLEX			STD
963-003	STANDARD E COAT/UNDERCOATING			STD
<b>Certification / Compliance</b>				
996-001	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS			STD



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<b>Secondary Factory Options</b>				
999-014	DEALER HAS BEEN ADVISED OF AND ACCEPTED RESPONSIBILITY FOR MODIFICATIONS DUE TO POSSIBLE PTO/CHASSIS INTERFERENCE			N/C
<b>Sales Programs</b>				
RZ1-998	NO TELEMATICS SERVICE CONTRACT			STD

**T O T A L V E H I C L E S U M M A R Y**

**Adjusted List Price**

Adjusted List Price \*\*      \$130,311.00

**Weight Summary**

	Weight Front	Weight Rear	Total Weight
Factory Weight <sup>+</sup>	7280 lbs	4123 lbs	11403 lbs
<b>Total Weight<sup>+</sup></b>	<b>7280 lbs</b>	<b>4123 lbs</b>	<b>11403 lbs</b>



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## State of Michigan pricing

### M2 106 CONVENTIONAL CHASSIS

SET BACK AXLE - TRUCK	MX-10-120-EVO 10,000# 1790MM KPI SINGLE FRONT DRIVE AXLE
CUM B6.7 240 HP @ 2400 RPM, 2600 GOV, 560 LB/FT @ 1600 RPM	10,000# TAPERLEAF FRONT SUSPENSION
EATON FULLER FS-6406A TRANSMISSION	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
DETROIT DA-RS-17.5-2 17,500# R-SERIES SINGLE REAR AXLE	4875MM (192 INCH) WHEELBASE
20,000# FLAT LEAF SPRING REAR SUSPENSION WITH RADIUS ROD	11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8/0.344X10.94 INCH) 80KSI
	1900MM (75 INCH) REAR FRAME OVERHANG

		<b>PER UNIT</b>		<b>TOTAL</b>
VEHICLE PRICE	<b>TOTAL # OF UNITS (1)</b>	\$ 71,495	\$	71,495

### TAXES AND FEES

TAXES AND FEES		\$ 0		0
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<b>BALANCE DUE</b>	<b>(LOCAL CURRENCY)</b>	<b>\$ 71,495</b>		<b>\$ 71,495</b>
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**COMMENTS:**

Projected delivery on \_\_\_ / \_\_\_ / \_\_\_ provided the order is received before \_\_\_ / \_\_\_ / \_\_\_.

**APPROVAL:**

Please indicate your acceptance of this quotation by signing below:

Customer: X \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_.





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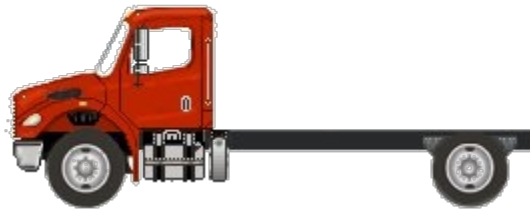
**Prepared by:**  
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*A proposal for*  
**State of Michigan- 096D 4x4 Automatic Freightliner**

*Prepared by*  
**D & K TRUCK COMPANY**  
*Edward Merrill*

*Mar 21, 2017*

**Freightliner M2 106**



Components shown may not reflect all spec'd options and are not to scale

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## S P E C I F I C A T I O N P R O P O S A L

Data Code	Description	Weight Front	Weight Rear	Retail Price
<b>Price Level</b>				
PRL-15M	M2 PRL-15M (EFF:10/25/16)			STD
<b>Data Version</b>				
DRL-016	SPECPRO21 DATA RELEASE VER 016			N/C
<b>Vehicle Configuration</b>				
001-172	M2 106 CONVENTIONAL CHASSIS	5,759	3,503	\$100,130.00
004-218	2018 MODEL YEAR SPECIFIED			N/C
002-004	SET BACK AXLE - TRUCK			STD
019-002	STRAIGHT TRUCK PROVISION			STD
003-001	LH PRIMARY STEERING LOCATION			STD
<b>General Service</b>				
AA1-002	TRUCK CONFIGURATION			STD
AA6-002	DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)			STD
A85-010	UTILITY/REPAIR/MAINTENANCE SERVICE			N/C
A84-1GM	GOVERNMENT BUSINESS SEGMENT			N/C
AA4-011	FIXED LOAD COMMODITY			N/C
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS			STD
AB1-008	MAXIMUM 8% EXPECTED GRADE			STD
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE			STD
995-091	MEDIUM TRUCK WARRANTY			STD
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 8400.0 lbs			
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 17500.0 lbs			
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 25900.0 lbs			
<b>Truck Service</b>				
AA3-005	FLATBED/PLATFORM/STAKE BODY			N/C



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AF7-99D	EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in			
<b>Engine</b>				
101-21T	CUM B6.7 240 HP @ 2400 RPM, 2600 GOV, 560 LB/FT @ 1600 RPM			\$2,544.00
<b>Electronic Parameters</b>				
79A-075	75 MPH ROAD SPEED LIMIT			N/C
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT			N/C
79K-007	PTO MODE ENGINE RPM LIMIT - 1100 RPM			N/C
79P-002	PTO RPM WITH CRUISE SET SWITCH - 700 RPM			N/C
79Q-003	PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM			N/C
79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH			N/C
79U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND			N/C
80G-002	PTO MINIMUM RPM - 700			N/C
80J-002	REGEN INHIBIT SPEED THRESHOLD - 5 MPH			N/C
<b>Engine Equipment</b>				
99C-017	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION			N/C
99D-010	NO 2008 CARB EMISSION CERTIFICATION			N/C
13E-001	STANDARD OIL PAN			STD
105-001	ENGINE MOUNTED OIL CHECK AND FILL			STD
133-004	ONE PIECE VALVE COVER			STD
014-099	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER			STD
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE			STD
292-1D8	(2) ALLIANCE MODEL 1131, GROUP 31, 12 VOLT MAINTENANCE FREE 1900 CCA THREADED STUD BATTERIES, NON FCCC ONLY			STD
290-017	BATTERY BOX FRAME MOUNTED			STD
281-001	STANDARD BATTERY JUMPERS			STD
282-001	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB			STD
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN			STD
289-001	NON-POLISHED BATTERY BOX COVER			STD
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE			STD



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108-002	STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR			STD
131-013	AIR COMPRESSOR DISCHARGE LINE			STD
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM			STD
016-1C3	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE			STD
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH			STD
239-001	STANDARD EXHAUST SYSTEM LENGTH			STD
237-052	RH STANDARD HORIZONTAL TAILPIPE			STD
23U-001	6 GALLON DIESEL EXHAUST FLUID TANK			STD
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL			STD
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION			STD
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING			STD
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP			STD
273-035	HORTON HT650 FRONTAL AIR ON/OFF ENGINE FAN CLUTCH			STD
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED			STD
110-003	CUMMINS SPIN ON FUEL FILTER			STD
118-001	FULL FLOW OIL FILTER			STD
266-078	950 SQUARE INCH ALUMINUM RADIATOR			STD
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT			STD
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT			STD
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES			STD
270-016	RADIATOR DRAIN VALVE			STD
168-002	LOWER RADIATOR GUARD			STD
138-010	PHILLIPS-TEMRO 750 WATT/115 VOLT BLOCK HEATER	4		\$108.00
140-053	BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR			N/C
134-001	ALUMINUM FLYWHEEL HOUSING			STD
132-004	ELECTRIC GRID AIR INTAKE WARMER			STD



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155-057	DELCO 12V 29MT STARTER WITH INTEGRATED MAGNETIC SWITCH			STD
<b>Transmission</b>				
342-584	ALLISON 3500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	200	60	\$6,711.00
<b>Transmission Equipment</b>				
343-339	ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV			N/C
84B-012	ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES			N/C
84C-022	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 5, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			N/C
84D-022	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 5, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			N/C
84E-000	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84F-000	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84G-000	PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84H-000	SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84L-010	DISABLE - LOAD BASED SHIFT SCHEDULE, DISABLE - VEHICLE ACCELERATION CONTROL			N/C
84N-000	NEUTRAL AT STOP - DISABLED, FUELSENSE - DISABLED			STD
84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES			STD
362-159	(2) CUSTOMER INSTALLED MUNCIE CS20/CS24SERIES PTO's			N/C
363-011	PTO MOUNTING, LH AND RH SIDES OF MAIN TRANSMISSION			N/C
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN			STD
345-003	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED			N/C



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Data Code	Description	Weight Front	Weight Rear	Retail Price
97G-004	TRANSMISSION PROGNOSTICS - ENABLED 2013			N/C
370-015	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK			STD
375-006	MERITOR MTC-4210 AND MTC-4213 TRANSFER CASE OIL COOLER	20		N/C
346-003	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK			N/C
373-042	MERITOR MTC 4210XL-EVO 2-SPEED TRANSFER CASE	325	325	\$10,945.00
376-001	TRANSFER CASE SHIFT CONTROLS WITH TRANSFER CASE PTO ON/OFF SWITCH WHEN APPLICABLE			N/C
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)			STD

### Front Axle and Equipment

* 400-101	MX-10-120-EVO 10,000# 1790MM KPI SINGLE FRONT DRIVE AXLE	900		\$18,198.00
398-456	4.56 FRONT AXLE RATIO			N/C
389-079	MXL 16T MERITOR EXTENDED LUBE FRONT STEERING AXLE DRIVELINE WITH HALF ROUND YOKES			N/C
402-087	MERITOR 16.5X5 Q+ MX DRIVE AXLE CAST SPIDER HEAVY DUTY CAM FRONT BRAKES			N/C
403-002	NON-ASBESTOS FRONT BRAKE LINING			STD
419-015	MERITOR CAST IRON FRONT BRAKE DRUMS			N/C
427-001	FRONT BRAKE DUST SHIELDS			N/C
409-006	FRONT OIL SEALS			N/C
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES			STD
405-002	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS			STD
536-050	TRW THP-60 POWER STEERING			STD
539-003	POWER STEERING PUMP			STD
534-015	2 QUART SEE THROUGH POWER STEERING RESERVOIR			STD
40T-002	SYNTHETIC 75W-90 FRONT AXLE LUBE			\$11.00

### Front Suspension

620-062	10,000# TAPERLEAF FRONT SUSPENSION			\$21.00
619-005	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION			STD
62H-998	NO FRONT SUSPENSION SPRING BRACKET OPTIONS			STD
410-001	FRONT SHOCK ABSORBERS			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
<b>Rear Axle and Equipment</b>				
420-1C6	DETROIT DA-RS-17.5-2 17,500# R-SERIES SINGLE REAR AXLE		-170	(\$352.00)
421-456	4.56 REAR AXLE RATIO			N/C
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING			STD
386-073	MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES			STD
382-073	MXL 17T MERITOR EXTENDED LUBE INTERTRANSMISSION DRIVELINE WITH HALF ROUND YOKES			N/C
423-020	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES			STD
433-002	NON-ASBESTOS REAR BRAKE LINING			STD
434-012	BRAKE CAMS AND CHAMBERS ON REAR SIDE OF DRIVE AXLE(S)			N/C
451-023	CONMET CAST IRON REAR BRAKE DRUMS			STD
440-021	SKF SCOTSEAL PLUS XL REAR OIL SEALS			STD
426-074	HALDEX GOLDSEAL LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS			STD
428-002	MERITOR AUTOMATIC REAR SLACK ADJUSTERS			STD
41T-001	ORGANIC SAE 80/90 REAR AXLE LUBE			STD
<b>Rear Suspension</b>				
622-002	20,000# FLAT LEAF SPRING REAR SUSPENSION WITH RADIUS ROD		40	(\$1,323.00)
621-006	SPRING SUSPENSION - 2.25 INCH AXLE SPACER		10	\$234.00
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP			STD
623-005	FORE/AFT CONTROL RODS			N/C
<b>Brake System</b>				
018-002	AIR BRAKE PACKAGE			STD
490-100	WABCO 4S/4M ABS WITHOUT TRACTION CONTROL			STD
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES			STD
904-001	FIBER BRAID PARKING BRAKE HOSE			STD
412-001	STANDARD BRAKE SYSTEM VALVES			STD
46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM			STD



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413-002	STD U.S. FRONT BRAKE VALVE			STD
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE			STD
480-083	WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER			STD
479-015	AIR DRYER FRAME MOUNTED			STD
460-001	STEEL AIR BRAKE RESERVOIRS			STD
477-001	PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS			STD

### Trailer Connections

335-004	UPGRADED CHASSIS MULTIPLEXING UNIT			STD
32A-002	UPGRADED BULKHEAD MULTIPLEXING UNIT			STD
30L-998	NO HIGH CURRENT TRAILER/BODY CABLE			STD

### Wheelbase & Frame

545-487	4875MM (192 INCH) WHEELBASE			N/C
546-092	11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8/0.344X10.94 INCH) 80KSI	120	120	\$557.00
552-014	1900MM (75 INCH) REAR FRAME OVERHANG			N/C
55W-007	FRAME OVERHANG RANGE: 71 INCH TO 80 INCH	-20	90	N/C
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 126.45 in			
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 121.95 in			
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 296.39			
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 126.45 in			
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 113.62 in			N/C
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 83.64 in			N/C
553-001	SQUARE END OF FRAME			STD
550-001	FRONT CLOSING CROSSMEMBER			STD
559-001	STANDARD WEIGHT ENGINE CROSSMEMBER			STD
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)			STD
572-001	STANDARD REAR MOST CROSSMEMBER			STD
565-001	STANDARD SUSPENSION CROSSMEMBER			STD

### Chassis Equipment

556-1AN	THREE-PIECE 14 INCH STEEL CENTER BUMPER WITH FLEXIBLE PLASTIC ENDS			STD
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE			STD





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Data Code	Description	Weight Front	Weight Rear	Retail Price
586-024	FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS			STD
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS			STD
<b>Fuel Tanks</b>				
206-192	50 GALLON/189 LITER RECTANGULAR ALUMINUM FUEL TANK - RH	80	20	\$820.00
204-192	50 GALLON/189 LITER RECTANGULAR ALUMINUM FUEL TANK - LH	20		\$31.00
218-005	RECTANGULAR FUEL TANK(S)			STD
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS			STD
212-014	LH FUEL TANK MOUNTED FORWARD, RH FUEL TANK MOUNTED AFT	-35	35	N/C
664-001	PLAIN STEP FINISH			STD
205-001	FUEL TANK CAP(S)			STD
122-1J1	DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR, HAND PRIMER AND 12 VOLT PREHEATER"	-5		\$32.00
216-020	EQUIFLO INBOARD FUEL SYSTEM			STD
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE			STD
<b>Tires</b>				
093-2C6	HANKOOK DL11 11R22.5 14 PLY RADIAL FRONT TIRES	30		(\$410.00)
094-2C6	HANKOOK DL11 11R22.5 14 PLY RADIAL REAR TIRES		60	(\$820.00)
<b>Hubs</b>				
418-015	MERITOR IRON FRONT HUBS			N/C
450-056	CONMET PRESET PLUS IRON REAR HUBS			STD
<b>Wheels</b>				
502-1F2	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC FRONT WHEELS			STD
505-1F2	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC REAR WHEELS			STD
511-1F2	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC SPARE WHEEL		70	\$117.00
496-011	FRONT WHEEL MOUNTING NUTS			STD
497-011	REAR WHEEL MOUNTING NUTS			STD
<b>Cab Exterior</b>				



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829-071	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB			STD
650-009	RUBBER CAB MOUNTS			STD
678-001	LH AND RH GRAB HANDLES			STD
646-009	PAINTED PLASTIC GRILLE			STD
65X-001	ARGENT SILVER HOOD MOUNTED AIR INTAKE GRILLE			STD
644-004	FIBERGLASS HOOD			STD
726-001	SINGLE ELECTRIC HORN			STD
657-1CV	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME WITH (4) KEYS			\$19.00
575-001	REAR LICENSE PLATE MOUNT END OF FRAME			STD
312-043	INTEGRAL HEADLIGHT/MARKER ASSEMBLY			STD
302-001	(5) AMBER MARKER LIGHTS			STD
294-001	INTEGRAL STOP/TAIL/BACKUP LIGHTS			STD
300-015	STANDARD FRONT TURN SIGNAL LAMPS			STD
744-1BN	DUAL WEST COAST BRIGHT FINISH MIRRORS			\$95.00
797-001	DOOR MOUNTED MIRRORS			STD
796-001	102 INCH EQUIPMENT WIDTH			STD
743-204	LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS			N/C
729-001	STANDARD SIDE/REAR REFLECTORS			STD
768-043	63X14 INCH TINTED REAR WINDOW			STD
661-003	TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS			STD
654-003	MANUAL DOOR WINDOW REGULATORS			STD
663-013	TINTED WINDSHIELD			STD
659-019	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED			STD

### Cab Interior

707-1AM	OPAL GRAY CLOTH INTERIOR			STD
706-013	MOLDED PLASTIC DOOR PANEL			STD
708-013	MOLDED PLASTIC DOOR PANEL			STD
772-006	BLACK MATS WITH SINGLE INSULATION			STD
691-008	FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING			STD
694-010	IN DASH STORAGE BIN			STD
742-007	(2) CUP HOLDERS LH AND RH DASH			STD



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680-006	GRAY/CHARCOAL FLAT DASH			STD
700-002	HEATER, DEFROSTER AND AIR CONDITIONER			STD
701-001	STANDARD HVAC DUCTING			STD
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH			STD
170-015	STANDARD HEATER PLUMBING			STD
130-033	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR			STD
702-002	BINARY CONTROL, R-134A			STD
739-033	STANDARD INSULATION			STD
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES			STD
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM			STD
324-014	DOME LIGHT WITH 3-WAY SWITCH ACTIVATED BY LH AND RH DOORS			STD
655-001	CAB DOOR LATCHES WITH MANUAL DOOR LOCKS			STD
284-023	(1) 12 VOLT POWER SUPPLY IN DASH			\$17.00
756-1J1	BASIC HIGH BACK NON SUSPENSION DRIVER SEAT WITH FORE AND AFT ADJUSTMENT			STD
760-235	2 MAN TOOL BOX MID BACK NON SUSPENSION PASSENGER SEAT	20		\$178.00
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS			STD
758-036	VINYL WITH VINYL INSERT DRIVER SEAT			STD
761-036	VINYL WITH VINYL INSERT PASSENGER SEAT			STD
763-101	BLACK SEAT BELTS			STD
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10		\$478.00
540-015	4-SPOKE 18 INCH (450MM) STEERING WHEEL			STD
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS			STD

**Instruments & Controls**

732-004	GRAY DRIVER INSTRUMENT PANEL			STD
734-004	GRAY CENTER INSTRUMENT PANEL			STD
87L-001	ENGINE REMOTE INTERFACE WITH PARK BRAKE INTERLOCK			N/C
870-001	BLACK GAUGE BEZELS			STD
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM			STD
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES			STD



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 3020 Snow Rd  
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Data Code	Description	Weight Front	Weight Rear	Retail Price
198-025	INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS			STD
149-013	ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL			STD
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY			STD
811-042	ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED			STD
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH			STD
844-001	2 INCH ELECTRIC FUEL GAUGE			STD
148-070	ENGINE REMOTE INTERFACE WITH PRESET FAST IDLE			\$85.00
163-004	ENGINE REMOTE INTERFACE CONNECTOR IN ENGINE COMPARTMENT			(\$16.00)
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE			STD
864-005	TRANSMISSION OIL TEMPERATURE INDICATOR LIGHT			STD
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY			STD
372-051	CUSTOMER FURNISHED AND INSTALLED PTO CONTROLS			N/C
73B-998	NO LANE DEPARTURE WARNING SYSTEM			STD
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE			STD
746-114	AM/FM/WB WORLD TUNER RADIO WITH AUXILIARY INPUT, J1939	10		\$274.00
747-001	DASH MOUNTED RADIO			N/C
750-002	(2) RADIO SPEAKERS IN CAB			N/C
753-001	AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF	2		N/C
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER			STD
817-001	STANDARD VEHICLE SPEED SENSOR			STD
812-001	ELECTRONIC 3000 RPM TACHOMETER			STD
8D1-998	NO DIRECT CONNECT			STD
8Z1-998	NO ZONAR SYSTEMS (SCO)			STD
162-011	IDLE LIMITER, ELECTRONIC ENGINE			STD
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
660-008	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY			STD
304-001	MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH			STD
882-009	ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR			STD
299-013	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE			STD
298-039	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS			STD
869-998	NO MISCELLANEOUS GAUGES			STD
<b>Design</b>				
065-000	PAINT: ONE SOLID COLOR			STD
<b>Color</b>				
980-4B7	CAB COLOR A: N0789EA OMAHA ORANGE ELITE SS			N/C
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT			STD
98K-998	NO FUEL TANK CABINET PAINT			STD
962-972	POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)			STD
966-972	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)			STD
96F-972	POWDER WHITE (N0006EA) SPARE WHEEL/RIM (PKWHT21, TKWHT21, W, TW)			N/C
964-6Z7	BUMPER PAINT: FP24812 ARGENT SILVER DUPONT FLEX			STD
963-003	STANDARD E COAT/UNDERCOATING			STD
<b>Certification / Compliance</b>				
996-001	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS			STD
<b>Secondary Factory Options</b>				
999-014	DEALER HAS BEEN ADVISED OF AND ACCEPTED RESPONSIBILITY FOR MODIFICATIONS DUE TO POSSIBLE PTO/CHASSIS INTERFERENCE			N/C
<b>Sales Programs</b>				
RZ1-998	NO TELEMATICS SERVICE CONTRACT			STD

**T O T A L V E H I C L E S U M M A R Y**



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### Adjusted List Price

Adjusted List Price \*\* \$138,684.00

### Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight <sup>+</sup>	7440 lbs	4163 lbs	11603 lbs
<b>Total Weight<sup>+</sup></b>	<b>7440 lbs</b>	<b>4163 lbs</b>	<b>11603 lbs</b>

### Other Factory Charges

PMU-017	2016 OBD/2010 EPA/CARB/GHG17 ESCALATOR	\$300.00
RD1-998	NO DETROIT CONNECT	STD
P73-2FT	STANDARD DESTINATION CHARGE	\$2,000.00

(+) Weights shown are estimates only.

If weight is critical, contact Customer Application Engineering.

(\*\*) Prices shown do not include taxes, fees, etc... "Net Equipment Selling Price" is located on the Quotation Details Proposal Report.



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## State of Michigan Pricing

### M2 106 CONVENTIONAL CHASSIS

SET BACK AXLE - TRUCK	MX-10-120-EVO 10,000# 1790MM KPI SINGLE FRONT DRIVE AXLE
CUM B6.7 240 HP @ 2400 RPM, 2600 GOV, 560 LB/FT @ 1600 RPM	10,000# TAPERLEAF FRONT SUSPENSION
ALLISON 3500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
DETROIT DA-RS-17.5-2 17,500# R-SERIES SINGLE REAR AXLE	4875MM (192 INCH) WHEELBASE
20,000# FLAT LEAF SPRING REAR SUSPENSION WITH RADIUS ROD	11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8/0.344X10.94 INCH) 80KSI
	1900MM (75 INCH) REAR FRAME OVERHANG

		<b>PER UNIT</b>		<b>TOTAL</b>
VEHICLE PRICE	<b>TOTAL # OF UNITS (1)</b>	\$ 75,585	\$	75,585
EXTENDED WARRANTY		\$ 0	\$	0

### TAXES AND FEES

TAXES AND FEES	\$	0	\$	0
OTHER CHARGES	\$	0	\$	0

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<b>BALANCE DUE</b>	<b>(LOCAL CURRENCY)</b>	<b>\$ 75,585</b>	<b>\$</b>	<b>75,585</b>
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**COMMENTS:**

Projected delivery on \_\_\_ / \_\_\_ / \_\_\_ provided the order is received before \_\_\_ / \_\_\_ / \_\_\_.

**APPROVAL:**

Please indicate your acceptance of this quotation by signing below:

Customer: X \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_.



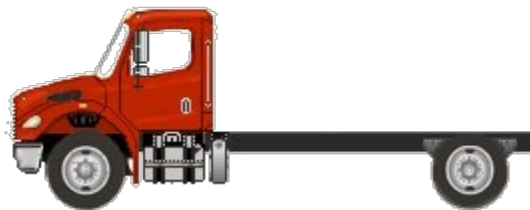
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*A proposal for*  
**State of Michigan- 096D Manual**

*Prepared by*  
**D & K TRUCK COMPANY**  
*Edward Merrill*  
**Mar 16, 2017**

**2018 Freightliner M2 106  
Van/ Stake/ Dump/ Misc. Chassis**



Components shown may not reflect all spec'd options and are not to scale





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## S P E C I F I C A T I O N P R O P O S A L

### Vehicle Configuration

001-172	M2 106 CONVENTIONAL CHASSIS	5,759	3,503	
004-218	2018 MODEL YEAR SPECIFIED			N/C
002-004	SET BACK AXLE - TRUCK			STD
019-002	STRAIGHT TRUCK PROVISION			STD
003-001	LH PRIMARY STEERING LOCATION			STD

### General Service

AA1-002	TRUCK CONFIGURATION			STD
AA6-002	DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)			STD
A85-010	UTILITY/REPAIR/MAINTENANCE SERVICE			N/C
A84-1GM	GOVERNMENT BUSINESS SEGMENT			N/C
AA4-011	FIXED LOAD COMMODITY			N/C
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS			STD
AB1-008	MAXIMUM 8% EXPECTED GRADE			STD
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE			STD
995-091	MEDIUM TRUCK WARRANTY			STD
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 8400.0 lbs			
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 17500.0 lbs			
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 25900.0 lbs			

### Truck Service

AA3-005	FLATBED/PLATFORM/STAKE BODY/DUMP			N/C
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### Engine

101-21T	CUM B6.7 240 HP @ 2400 RPM, 2600 GOV, 560 LB/FT @ 1600 RPM			\$2,544.00
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### Engine Equipment

99C-017	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION			N/C
13E-001	STANDARD OIL PAN			STD



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105-001	ENGINE MOUNTED OIL CHECK AND FILL	STD
133-004	ONE PIECE VALVE COVER	STD
014-099	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER	STD
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE LEECE NEVILLE BRAND ALSO AVAILABLE...TBD \$	STD
292-1D8	(2) ALLIANCE MODEL 1131, GROUP 31, 12 VOLT MAINTENANCE FREE 1900 CCA THREADED STUD BATTERIES, NON FCCC ONLY	STD
290-017	BATTERY BOX FRAME MOUNTED	STD
281-001	STANDARD BATTERY JUMPERS	STD
282-001	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB	STD
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN	STD
289-001	NON-POLISHED BATTERY BOX COVER	STD
180-063	EATON FULLER 365MM CERAMIC 1 PLATE MAINTENANCE FREE WEAR-THROUGH CLUTCH	N/C
182-005	HYDRAULIC CLUTCH CONTROL	N/C
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE	STD
108-002	STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR	STD
131-013	AIR COMPRESSOR DISCHARGE LINE	STD
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM	STD
016-1C3	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE	STD
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH	STD
239-001	STANDARD EXHAUST SYSTEM LENGTH	STD
237-052	RH STANDARD HORIZONTAL TAILPIPE	STD
23U-001	6 GALLON DIESEL EXHAUST FLUID TANK	STD
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL	STD
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION	STD
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING	STD
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP	STD
273-035	HORTON HT650 FRONTAL AIR ON/OFF ENGINE FAN CLUTCH	STD



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276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED			STD
110-003	CUMMINS SPIN ON FUEL FILTER			STD
118-001	FULL FLOW OIL FILTER			STD
266-078	950 SQUARE INCH ALUMINUM RADIATOR			STD
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT			STD
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT			STD
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES			STD
270-016	RADIATOR DRAIN VALVE			STD
168-002	LOWER RADIATOR GUARD			STD
138-010	PHILLIPS-TEMRO 750 WATT/115 VOLT BLOCK HEATER	4		\$108.00
140-053	BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR			N/C
134-001	ALUMINUM FLYWHEEL HOUSING			STD
132-004	ELECTRIC GRID AIR INTAKE WARMER			STD
155-057	DELCO 12V 29MT STARTER WITH INTEGRATED MAGNETIC SWITCH			STD

**Transmission**

342-1CB	EATON FULLER FS-6406A TRANSMISSION	40	20	(\$1,662.00)
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**Transmission Equipment**

84U-998	TCU DRIVER SW INPUTS NOT SUPPORTED			N/C
347-002	ALUMINUM CLUTCH HOUSING			N/C
362-1BU	CUSTOMER INSTALLED CHELSEA 230/231/236 SERIES PTO TRANSMISSION TCM MOUNTED IN CAB FOR ALLISON TRANSMISSIONS....ADD \$550.00			N/C
363-001	PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION			N/C
341-017	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION FILL AND DRAIN, AXLE(S) FILL AND DRAIN			N/C
345-001	PAINTED SHIFT LEVER, SOLID LINKAGE			N/C
35T-003	SYNTHETIC TRANSMISSION LUBE			N/C

**Front Axle and Equipment**

400-1A5	DETROIT DA-F-10.0-3 10,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE			N/C
402-020	MERITOR 15X4 Q+ CAM FRONT BRAKES			STD
403-002	NON-ASBESTOS FRONT BRAKE LINING			STD
419-023	CONMET CAST IRON FRONT BRAKE DRUMS			STD



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427-001	FRONT BRAKE DUST SHIELDS	5	\$51.00
409-021	SKF SCOTSEAL PLUS XL FRONT OIL SEALS		STD
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL		STD
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES		STD
405-002	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS		STD
536-050	TRW THP-60 POWER STEERING		STD
539-003	POWER STEERING PUMP		STD
534-015	2 QUART SEE THROUGH POWER STEERING RESERVOIR		STD
40T-002	SYNTHETIC 75W-90 FRONT AXLE LUBE		\$11.00
<b>Front Suspension</b>			
620-062	10,000# TAPERLEAF FRONT SUSPENSION		\$21.00
619-005	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION		STD
410-001	FRONT SHOCK ABSORBERS		STD
<b>Rear Axle and Equipment</b>			
420-1C6	DETROIT DA-RS-17.5-2 17,500# R-SERIES SINGLE REAR AXLE	-170	(\$352.00)
421-456	4.56 REAR AXLE RATIO - TO BE DETERMINED BASED ON TOP SPEED REQUIREMENTS...		N/C
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		STD
386-073	MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES		STD
423-020	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		STD
433-002	NON-ASBESTOS REAR BRAKE LINING		STD
434-012	BRAKE CAMS AND CHAMBERS ON REAR SIDE OF DRIVE AXLE(S)		N/C
451-023	CONMET CAST IRON REAR BRAKE DRUMS		STD
440-021	SKF SCOTSEAL PLUS XL REAR OIL SEALS		STD
426-074	HALDEX GOLDSEAL LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS		STD
428-002	MERITOR AUTOMATIC REAR SLACK ADJUSTERS		STD
41T-001	ORGANIC SAE 80/90 REAR AXLE LUBE		STD
<b>Rear Suspension</b>			
622-002	20,000# FLAT LEAF SPRING REAR SUSPENSION WITH RADIUS ROD	40	(\$1,323.00)
621-006	SPRING SUSPENSION - 2.25 INCH AXLE SPACER	10	\$234.00



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431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP				STD
623-005	FORE/AFT CONTROL RODS				N/C

### Brake System

018-002	AIR BRAKE PACKAGE				STD
490-100	WABCO 4S/4M ABS WITHOUT TRACTION CONTROL				STD
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES				STD
904-001	FIBER BRAID PARKING BRAKE HOSE				STD
412-001	STANDARD BRAKE SYSTEM VALVES				STD
46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM				STD
413-002	STD U.S. FRONT BRAKE VALVE				STD
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE				STD
480-083	WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER				STD
479-015	AIR DRYER FRAME MOUNTED				STD
460-001	STEEL AIR BRAKE RESERVOIRS				STD
477-001	PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS				STD

### Trailer Connections

335-004	UPGRADED CHASSIS MULTIPLEXING UNIT				STD
32A-002	UPGRADED BULKHEAD MULTIPLEXING UNIT				STD

### Wheelbase & Frame

545-487	4875MM (192 INCH) WHEELBASE CAB TO AXLE AND WHEELBASE DETERMINED PRICE BASED ON ENTITIES NEEDS.				N/C
546-092	11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8/0.344X10.94 INCH) 80KSI	120	120		\$557.00
552-014	1900MM (75 INCH) REAR FRAME OVERHANG				N/C
55W-007	FRAME OVERHANG RANGE: 71 INCH TO 80 INCH	-20	90		N/C
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 126.45 in				
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 123.45 in				
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 296.39				
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 126.45 in				
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 123.71 in				N/C
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 93.73 in				N/C



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553-001	SQUARE END OF FRAME	STD
550-001	FRONT CLOSING CROSSMEMBER	STD
559-001	STANDARD WEIGHT ENGINE CROSSMEMBER	STD
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)	STD
572-001	STANDARD REAR MOST CROSSMEMBER	STD
565-001	STANDARD SUSPENSION CROSSMEMBER	STD

### Chassis Equipment

556-1AN	THREE-PIECE 14 INCH STEEL CENTER BUMPER WITH FLEXIBLE PLASTIC ENDS	STD
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE	STD
586-024	FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS	STD
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS	STD

### Fuel Tanks

206-192	50 GALLON/189 LITER RECTANGULAR ALUMINUM FUEL TANK - RH	80	20	\$820.00
204-192	50 GALLON/189 LITER RECTANGULAR ALUMINUM FUEL TANK - LH	20		\$31.00
218-005	RECTANGULAR FUEL TANK(S)			STD
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS			STD
212-014	LH FUEL TANK MOUNTED FORWARD, RH FUEL TANK MOUNTED AFT	-35	35	N/C
664-001	PLAIN STEP FINISH			STD
205-001	FUEL TANK CAP(S)			STD
122-1J1	DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR, HAND PRIMER AND 12 VOLT PREHEATER"	-5		\$32.00
216-020	EQUIFLO INBOARD FUEL SYSTEM			STD
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE			STD

### Tires

093-2KU	BRIDGESTONE ECOPIA M760 11R22.5 14 PLY RADIAL FRONT TIRES	44		(\$204.00)
094-2F4	BRIDGESTONE ECOPIA M710 11R22.5 14 PLY RADIAL REAR TIRES MICHELIN, GOODYEAR, HANKOOK BRANDS BASED ON AVAILABILITY AT TIME OF ORDER.		52	(\$536.00)

### Hubs

418-056	CONMET PRESET PLUS IRON FRONT HUBS	STD
450-056	CONMET PRESET PLUS IRON REAR HUBS	STD



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### Wheels

502-1F2	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC FRONT WHEELS		STD
505-1F2	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC REAR WHEELS		STD
511-1F2	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC SPARE WHEEL	70	\$117.00
496-011	FRONT WHEEL MOUNTING NUTS		STD
497-011	REAR WHEEL MOUNTING NUTS		STD

### Cab Exterior

829-071	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB		STD
650-009	RUBBER CAB MOUNTS		STD
678-001	LH AND RH GRAB HANDLES		STD
646-009	PAINTED PLASTIC GRILLE		STD
65X-001	ARGENT SILVER HOOD MOUNTED AIR INTAKE GRILLE		STD
644-004	FIBERGLASS HOOD		STD
726-001	SINGLE ELECTRIC HORN		STD
657-1CV	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME WITH (4) KEYS		\$19.00
575-001	REAR LICENSE PLATE MOUNT END OF FRAME		STD
312-043	INTEGRAL HEADLIGHT/MARKER ASSEMBLY		STD
302-001	(5) AMBER MARKER LIGHTS		STD
294-001	INTEGRAL STOP/TAIL/BACKUP LIGHTS		STD
300-015	STANDARD FRONT TURN SIGNAL LAMPS		STD
744-1BN	DUAL WEST COAST BRIGHT FINISH MIRRORS		\$95.00
797-001	DOOR MOUNTED MIRRORS		STD
796-001	102 INCH EQUIPMENT WIDTH		STD
743-204	LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS		N/C
729-001	STANDARD SIDE/REAR REFLECTORS		STD
768-043	63X14 INCH TINTED REAR WINDOW		STD
661-003	TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS		STD
654-003	MANUAL DOOR WINDOW REGULATORS		STD
663-013	TINTED WINDSHIELD		STD
659-019	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED		STD

### Cab Interior



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 3020 Snow Rd  
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707-1AM	OPAL GRAY CLOTH INTERIOR		STD
706-013	MOLDED PLASTIC DOOR PANEL		STD
708-013	MOLDED PLASTIC DOOR PANEL		STD
772-006	BLACK MATS WITH SINGLE INSULATION		STD
691-008	FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING		STD
694-010	IN DASH STORAGE BIN		STD
742-007	(2) CUP HOLDERS LH AND RH DASH		STD
680-006	GRAY/CHARCOAL FLAT DASH		STD
700-002	HEATER, DEFROSTER AND AIR CONDITIONER		STD
701-001	STANDARD HVAC DUCTING		STD
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		STD
170-015	STANDARD HEATER PLUMBING		STD
130-033	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR		STD
702-002	BINARY CONTROL, R-134A		STD
739-033	STANDARD INSULATION		STD
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES		STD
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM		STD
324-014	DOME LIGHT WITH 3-WAY SWITCH ACTIVATED BY LH AND RH DOORS		STD
655-001	CAB DOOR LATCHES WITH MANUAL DOOR LOCKS		STD
284-023	(1) 12 VOLT POWER SUPPLY IN DASH		\$17.00
756-1J3	BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	30	\$212.00
760-235	2 MAN TOOL BOX MID BACK NON SUSPENSION PASSENGER SEAT	20	\$178.00
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS		STD
758-036	VINYL WITH VINYL INSERT DRIVER SEAT		STD
761-036	VINYL WITH VINYL INSERT PASSENGER SEAT		STD
763-101	BLACK SEAT BELTS		STD
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10	\$478.00
540-015	4-SPOKE 18 INCH (450MM) STEERING WHEEL		STD
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS		STD

**Instruments & Controls**

732-004	GRAY DRIVER INSTRUMENT PANEL		STD
734-004	GRAY CENTER INSTRUMENT PANEL		STD





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87L-001	ENGINE REMOTE INTERFACE WITH PARK BRAKE INTERLOCK		N/C
870-001	BLACK GAUGE BEZELS		STD
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM		STD
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES		STD
198-025	INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS		STD
149-013	ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL		STD
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY		STD
811-042	ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED		STD
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH		STD
844-001	2 INCH ELECTRIC FUEL GAUGE		STD
148-070	ENGINE REMOTE INTERFACE WITH PRESET FAST IDLE		\$85.00
163-004	ENGINE REMOTE INTERFACE CONNECTOR IN ENGINE COMPARTMENT		(\$16.00)
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		STD
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		STD
372-051	CUSTOMER FURNISHED AND INSTALLED PTO CONTROLS		N/C
73B-998	NO LANE DEPARTURE WARNING SYSTEM		STD
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE		STD
746-114	AM/FM/WB WORLD TUNER RADIO WITH AUXILIARY INPUT, J1939	10	\$274.00
747-001	DASH MOUNTED RADIO		N/C
750-002	(2) RADIO SPEAKERS IN CAB		N/C
753-001	AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF	2	N/C
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		STD
817-001	STANDARD VEHICLE SPEED SENSOR		STD
812-001	ELECTRONIC 3000 RPM TACHOMETER		STD
162-011	IDLE LIMITER, ELECTRONIC ENGINE		STD
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		STD



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660-008	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY	STD
304-001	MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH	STD
882-009	ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR	STD
299-013	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE	STD
298-039	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS	STD

### Design

065-000	PAINT: ONE SOLID COLOR	STD
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### Color

980-4B7	CAB COLOR A: N0789EA OMAHA ORANGE ELITE SS	N/C
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT	STD
98K-998	FUEL TANK ALUMINUM	STD
962-972	POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)	STD
966-972	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)	STD
96F-972	POWDER WHITE (N0006EA) SPARE WHEEL/RIM (PKWHT21, TKWHT21, W, TW)	N/C
964-6Z7	BUMPER PAINT: FP24812 ARGENT SILVER DUPONT FLEX	STD
963-003	STANDARD E COAT/UNDERCOATING – ALUMINUM CAB CONSTRUCTION	STD

### US Certification / Compliance

### Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight <sup>+</sup>	6084 lbs	3790 lbs	9874 lbs
<b>Total Weight<sup>+</sup></b>	<b>6084 lbs</b>	<b>3790 lbs</b>	<b>9874 lbs</b>

(+) Weights shown are estimates only.



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## ORDER PRICING PER SPEC

### STATE OF MICHIGAN TRUCK PRICING APPLIED- GOV'T MUNICIPAL PROGRAM THRU DAIMLER

#### M2 106 CONVENTIONAL CHASSIS

SET BACK AXLE - TRUCK	DETROIT DA-F-10.0-3 10,000# FF1 71.5 KPI/3.74 DROP
CUM B6.7 240 HP @ 2400 RPM, 2600 GOV, 560 LB/FT @ 1600 RPM	SINGLE FRONT AXLE
EATON FULLER FS-6406A TRANSMISSION	10,000# TAPERLEAF FRONT SUSPENSION
DETROIT DA-RS-17.5-2 17,500# R-SERIES SINGLE REAR AXLE	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
20,000# FLAT LEAF SPRING REAR SUSPENSION WITH RADIUS ROD	4875MM (192 INCH) WHEELBASE
	11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8/0.344X10.94 INCH) 80KSI
	1900MM (75 INCH) REAR FRAME OVERHANG

			PER UNIT		TOTAL
VEHICLE PRICE	TOTAL # OF UNITS (1)	\$	56,408	\$	56,408
<b>CUSTOMER PRICE BEFORE TAX</b>		<b>\$</b>	<b>56,408</b>	<b>\$</b>	<b>56,408</b>

#### TAXES AND FEES

MICHIGAN TITLE FEE	\$	15	\$	15
NO 6% SALES TAX	\$	0	\$	0

<b>BALANCE DUE</b>	<b>(LOCAL CURRENCY)</b>	<b>\$</b>	<b>56,423</b>	<b>\$</b>	<b>56,423</b>
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**APPROVAL:**

Please indicate your acceptance of this quotation by signing below:

Customer: X \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_.



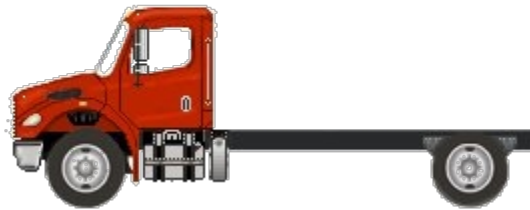
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*A proposal for*  
**State of Michigan- 096D 4x2 Auto Freightliner**

*Prepared by*  
**D & K TRUCK COMPANY**  
*Edward Merrill*  
*Mar 21, 2017*

**Freightliner M2 106**



Components shown may not reflect all spec'd options and are not to scale

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## S P E C I F I C A T I O N P R O P O S A L

Data Code	Description	Weight Front	Weight Rear	Retail Price
<b>Price Level</b>				
PRL-15M	M2 PRL-15M (EFF:10/25/16)			STD
<b>Data Version</b>				
DRL-016	SPECPRO21 DATA RELEASE VER 016			N/C
<b>Vehicle Configuration</b>				
001-172	M2 106 CONVENTIONAL CHASSIS	5,759	3,503	\$100,130.00
004-218	2018 MODEL YEAR SPECIFIED			N/C
002-004	SET BACK AXLE - TRUCK			STD
019-002	STRAIGHT TRUCK PROVISION			STD
003-001	LH PRIMARY STEERING LOCATION			STD
<b>General Service</b>				
AA1-002	TRUCK CONFIGURATION			STD
AA6-002	DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)			STD
A85-010	UTILITY/REPAIR/MAINTENANCE SERVICE			N/C
A84-1GM	GOVERNMENT BUSINESS SEGMENT			N/C
AA4-011	FIXED LOAD COMMODITY			N/C
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS			STD
AB1-008	MAXIMUM 8% EXPECTED GRADE			STD
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE			STD
995-091	MEDIUM TRUCK WARRANTY			STD
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 8400.0 lbs			
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 17500.0 lbs			
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 25900.0 lbs			
<b>Truck Service</b>				
AA3-005	FLATBED/PLATFORM/STAKE BODY			N/C



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Data Code	Description	Weight Front	Weight Rear	Retail Price
AF7-99D	EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in			
<b>Engine</b>				
101-21T	CUM B6.7 240 HP @ 2400 RPM, 2600 GOV, 560 LB/FT @ 1600 RPM			\$2,544.00
<b>Electronic Parameters</b>				
79A-075	75 MPH ROAD SPEED LIMIT			N/C
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT			N/C
79K-007	PTO MODE ENGINE RPM LIMIT - 1100 RPM			N/C
79P-002	PTO RPM WITH CRUISE SET SWITCH - 700 RPM			N/C
79Q-003	PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM			N/C
79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH			N/C
79U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND			N/C
80G-002	PTO MINIMUM RPM - 700			N/C
80J-002	REGEN INHIBIT SPEED THRESHOLD - 5 MPH			N/C
<b>Engine Equipment</b>				
99C-017	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION			N/C
99D-010	NO 2008 CARB EMISSION CERTIFICATION			N/C
13E-001	STANDARD OIL PAN			STD
105-001	ENGINE MOUNTED OIL CHECK AND FILL			STD
133-004	ONE PIECE VALVE COVER			STD
014-099	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER			STD
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE			STD
292-1D8	(2) ALLIANCE MODEL 1131, GROUP 31, 12 VOLT MAINTENANCE FREE 1900 CCA THREADED STUD BATTERIES, NON FCCC ONLY			STD
290-017	BATTERY BOX FRAME MOUNTED			STD
281-001	STANDARD BATTERY JUMPERS			STD
282-001	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB			STD
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN			STD
289-001	NON-POLISHED BATTERY BOX COVER			STD
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
108-002	STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR			STD
131-013	AIR COMPRESSOR DISCHARGE LINE			STD
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM			STD
016-1C3	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE			STD
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH			STD
239-001	STANDARD EXHAUST SYSTEM LENGTH			STD
237-052	RH STANDARD HORIZONTAL TAILPIPE			STD
23U-001	6 GALLON DIESEL EXHAUST FLUID TANK			STD
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL			STD
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION			STD
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING			STD
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP			STD
273-035	HORTON HT650 FRONTAL AIR ON/OFF ENGINE FAN CLUTCH			STD
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED			STD
110-003	CUMMINS SPIN ON FUEL FILTER			STD
118-001	FULL FLOW OIL FILTER			STD
266-078	950 SQUARE INCH ALUMINUM RADIATOR			STD
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT			STD
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT			STD
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES			STD
270-016	RADIATOR DRAIN VALVE			STD
168-002	LOWER RADIATOR GUARD			STD
138-010	PHILLIPS-TEMRO 750 WATT/115 VOLT BLOCK HEATER	4		\$108.00
140-053	BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR			N/C
134-001	ALUMINUM FLYWHEEL HOUSING			STD
132-004	ELECTRIC GRID AIR INTAKE WARMER			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
155-057	DELCO 12V 29MT STARTER WITH INTEGRATED MAGNETIC SWITCH			STD
<b>Transmission</b>				
342-584	ALLISON 3500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	200	60	\$6,711.00
<b>Transmission Equipment</b>				
343-339	ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV			N/C
84B-012	ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES			N/C
84C-023	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			N/C
84D-023	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			N/C
84E-000	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84F-000	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84G-000	PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84H-000	SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84L-000	LOAD BASED SHIFT SCHEDULE AND VEHICLE ACCELERATION CONTROL RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED VOCATIONAL USAGE			STD
84N-000	NEUTRAL AT STOP - DISABLED, FUELSNSE - DISABLED			STD
84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES			STD
362-159	(2) CUSTOMER INSTALLED MUNCIE CS20/CS24SERIES PTO's			N/C
363-011	PTO MOUNTING, LH AND RH SIDES OF MAIN TRANSMISSION			N/C
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN			STD





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Data Code	Description	Weight Front	Weight Rear	Retail Price
345-003	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED			N/C
97G-004	TRANSMISSION PROGNOSTICS - ENABLED 2013			N/C
370-015	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK			STD
346-003	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK			N/C
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)			STD

### Front Axle and Equipment

400-1A5	DETROIT DA-F-10.0-3 10,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE			N/C
402-020	MERITOR 15X4 Q+ CAM FRONT BRAKES			STD
403-002	NON-ASBESTOS FRONT BRAKE LINING			STD
419-023	CONMET CAST IRON FRONT BRAKE DRUMS			STD
427-001	FRONT BRAKE DUST SHIELDS	5		\$51.00
409-021	SKF SCOTSEAL PLUS XL FRONT OIL SEALS			STD
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL			STD
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES			STD
405-002	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS			STD
536-050	TRW THP-60 POWER STEERING			STD
539-003	POWER STEERING PUMP			STD
534-015	2 QUART SEE THROUGH POWER STEERING RESERVOIR			STD
40T-002	SYNTHETIC 75W-90 FRONT AXLE LUBE			\$11.00

### Front Suspension

620-062	10,000# TAPERLEAF FRONT SUSPENSION			\$21.00
619-005	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION			STD
62H-998	NO FRONT SUSPENSION SPRING BRACKET OPTIONS			STD
410-001	FRONT SHOCK ABSORBERS			STD

### Rear Axle and Equipment

420-1C6	DETROIT DA-RS-17.5-2 17,500# R-SERIES SINGLE REAR AXLE		-170	(\$352.00)
421-456	4.56 REAR AXLE RATIO			N/C
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
386-073	MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES			STD
423-020	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES			STD
433-002	NON-ASBESTOS REAR BRAKE LINING			STD
434-012	BRAKE CAMS AND CHAMBERS ON REAR SIDE OF DRIVE AXLE(S)			N/C
451-023	CONMET CAST IRON REAR BRAKE DRUMS			STD
440-021	SKF SCOTSEAL PLUS XL REAR OIL SEALS			STD
426-074	HALDEX GOLDSEAL LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS			STD
428-002	MERITOR AUTOMATIC REAR SLACK ADJUSTERS			STD
41T-001	ORGANIC SAE 80/90 REAR AXLE LUBE			STD
<b>Rear Suspension</b>				
622-002	20,000# FLAT LEAF SPRING REAR SUSPENSION WITH RADIUS ROD		40	(\$1,323.00)
621-006	SPRING SUSPENSION - 2.25 INCH AXLE SPACER		10	\$234.00
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP			STD
623-005	FORE/AFT CONTROL RODS			N/C
<b>Brake System</b>				
018-002	AIR BRAKE PACKAGE			STD
490-100	WABCO 4S/4M ABS WITHOUT TRACTION CONTROL			STD
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES			STD
904-001	FIBER BRAID PARKING BRAKE HOSE			STD
412-001	STANDARD BRAKE SYSTEM VALVES			STD
46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM			STD
413-002	STD U.S. FRONT BRAKE VALVE			STD
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE			STD
480-083	WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER			STD
479-015	AIR DRYER FRAME MOUNTED			STD
460-001	STEEL AIR BRAKE RESERVOIRS			STD
477-001	PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS			STD



Prepared for:  
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 Phone: 517-334-7763

Prepared by:  
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 3020 Snow Rd  
 LANSING, MI 48917  
 Phone: (517) 484-1905 Ext. 129

Data Code	Description	Weight Front	Weight Rear	Retail Price
<b>Trailer Connections</b>				
335-004	UPGRADED CHASSIS MULTIPLEXING UNIT			STD
32A-002	UPGRADED BULKHEAD MULTIPLEXING UNIT			STD
30L-998	NO HIGH CURRENT TRAILER/BODY CABLE			STD
<b>Wheelbase &amp; Frame</b>				
545-487	4875MM (192 INCH) WHEELBASE			N/C
546-092	11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8/0.344X10.94 INCH) 80KSI	120	120	\$557.00
552-014	1900MM (75 INCH) REAR FRAME OVERHANG			N/C
55W-007	FRAME OVERHANG RANGE: 71 INCH TO 80 INCH	-20	90	N/C
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 126.45 in			
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 123.45 in			
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 296.39			
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 126.45 in			
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 123.71 in			N/C
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 93.73 in			N/C
553-001	SQUARE END OF FRAME			STD
550-001	FRONT CLOSING CROSSMEMBER			STD
559-001	STANDARD WEIGHT ENGINE CROSSMEMBER			STD
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)			STD
572-001	STANDARD REARMOIST CROSSMEMBER			STD
565-001	STANDARD SUSPENSION CROSSMEMBER			STD
<b>Chassis Equipment</b>				
556-1AN	THREE-PIECE 14 INCH STEEL CENTER BUMPER WITH FLEXIBLE PLASTIC ENDS			STD
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE			STD
586-024	FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS			STD
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS			STD
<b>Fuel Tanks</b>				
206-192	50 GALLON/189 LITER RECTANGULAR ALUMINUM FUEL TANK - RH	80	20	\$820.00
204-192	50 GALLON/189 LITER RECTANGULAR ALUMINUM FUEL TANK - LH	20		\$31.00



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218-005	RECTANGULAR FUEL TANK(S)			STD
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS			STD
212-014	LH FUEL TANK MOUNTED FORWARD, RH FUEL TANK MOUNTED AFT	-35	35	N/C
664-001	PLAIN STEP FINISH			STD
205-001	FUEL TANK CAP(S)			STD
122-1J1	DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR, HAND PRIMER AND 12 VOLT PREHEATER"	-5		\$32.00
216-020	EQUIFLO INBOARD FUEL SYSTEM			STD
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE			STD
<b>Tires</b>				
093-2KU	BRIDGESTONE ECOPIA M760 11R22.5 14 PLY RADIAL FRONT TIRES	44		(\$204.00)
094-2F4	BRIDGESTONE ECOPIA M710 11R22.5 14 PLY RADIAL REAR TIRES		52	(\$536.00)
<b>Hubs</b>				
418-056	CONMET PRESET PLUS IRON FRONT HUBS			STD
450-056	CONMET PRESET PLUS IRON REAR HUBS			STD
<b>Wheels</b>				
502-1F2	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC FRONT WHEELS			STD
505-1F2	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC REAR WHEELS			STD
511-1F2	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC SPARE WHEEL		70	\$117.00
496-011	FRONT WHEEL MOUNTING NUTS			STD
497-011	REAR WHEEL MOUNTING NUTS			STD
<b>Cab Exterior</b>				
829-071	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB			STD
650-009	RUBBER CAB MOUNTS			STD
678-001	LH AND RH GRAB HANDLES			STD
646-009	PAINTED PLASTIC GRILLE			STD
65X-001	ARGENT SILVER HOOD MOUNTED AIR INTAKE GRILLE			STD
644-004	FIBERGLASS HOOD			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
726-001	SINGLE ELECTRIC HORN			STD
657-1CV	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME WITH (4) KEYS			\$19.00
575-001	REAR LICENSE PLATE MOUNT END OF FRAME			STD
312-043	INTEGRAL HEADLIGHT/MARKER ASSEMBLY			STD
302-001	(5) AMBER MARKER LIGHTS			STD
294-001	INTEGRAL STOP/TAIL/BACKUP LIGHTS			STD
300-015	STANDARD FRONT TURN SIGNAL LAMPS			STD
744-1BN	DUAL WEST COAST BRIGHT FINISH MIRRORS			\$95.00
797-001	DOOR MOUNTED MIRRORS			STD
796-001	102 INCH EQUIPMENT WIDTH			STD
743-204	LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS			N/C
729-001	STANDARD SIDE/REAR REFLECTORS			STD
768-043	63X14 INCH TINTED REAR WINDOW			STD
661-003	TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS			STD
654-003	MANUAL DOOR WINDOW REGULATORS			STD
663-013	TINTED WINDSHIELD			STD
659-019	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED			STD

### Cab Interior

707-1AM	OPAL GRAY CLOTH INTERIOR			STD
706-013	MOLDED PLASTIC DOOR PANEL			STD
708-013	MOLDED PLASTIC DOOR PANEL			STD
772-006	BLACK MATS WITH SINGLE INSULATION			STD
691-008	FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING			STD
694-010	IN DASH STORAGE BIN			STD
742-007	(2) CUP HOLDERS LH AND RH DASH			STD
680-006	GRAY/CHARCOAL FLAT DASH			STD
700-002	HEATER, DEFROSTER AND AIR CONDITIONER			STD
701-001	STANDARD HVAC DUCTING			STD
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH			STD
170-015	STANDARD HEATER PLUMBING			STD
130-033	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
702-002	BINARY CONTROL, R-134A			STD
739-033	STANDARD INSULATION			STD
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES			STD
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM			STD
324-014	DOME LIGHT WITH 3-WAY SWITCH ACTIVATED BY LH AND RH DOORS			STD
655-001	CAB DOOR LATCHES WITH MANUAL DOOR LOCKS			STD
284-023	(1) 12 VOLT POWER SUPPLY IN DASH			\$17.00
756-1J3	BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	30		\$212.00
760-235	2 MAN TOOL BOX MID BACK NON SUSPENSION PASSENGER SEAT	20		\$178.00
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS			STD
758-036	VINYL WITH VINYL INSERT DRIVER SEAT			STD
761-036	VINYL WITH VINYL INSERT PASSENGER SEAT			STD
763-101	BLACK SEAT BELTS			STD
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10		\$478.00
540-015	4-SPOKE 18 INCH (450MM) STEERING WHEEL			STD
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS			STD

### Instruments & Controls

732-004	GRAY DRIVER INSTRUMENT PANEL			STD
734-004	GRAY CENTER INSTRUMENT PANEL			STD
870-001	BLACK GAUGE BEZELS			STD
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM			STD
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES			STD
198-025	INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS			STD
149-013	ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL			STD
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY			STD
811-042	ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH			STD
844-001	2 INCH ELECTRIC FUEL GAUGE			STD
148-070	ENGINE REMOTE INTERFACE WITH PRESET FAST IDLE			\$85.00
163-004	ENGINE REMOTE INTERFACE CONNECTOR IN ENGINE COMPARTMENT			(\$16.00)
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE			STD
864-005	TRANSMISSION OIL TEMPERATURE INDICATOR LIGHT			STD
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY			STD
372-051	CUSTOMER FURNISHED AND INSTALLED PTO CONTROLS			N/C
73B-998	NO LANE DEPARTURE WARNING SYSTEM			STD
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE			STD
746-114	AM/FM/WB WORLD TUNER RADIO WITH AUXILIARY INPUT, J1939	10		\$274.00
747-001	DASH MOUNTED RADIO			N/C
750-002	(2) RADIO SPEAKERS IN CAB			N/C
753-001	AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF	2		N/C
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER			STD
817-001	STANDARD VEHICLE SPEED SENSOR			STD
812-001	ELECTRONIC 3000 RPM TACHOMETER			STD
8D1-998	NO DIRECT CONNECT			STD
8Z1-998	NO ZONAR SYSTEMS (SCO)			STD
162-011	IDLE LIMITER, ELECTRONIC ENGINE			STD
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY			STD
660-008	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY			STD
304-001	MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH			STD
882-009	ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR			STD
299-013	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
298-039	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS			STD
869-998	NO MISCELLANEOUS GAUGES			STD
<b>Design</b>				
065-000	PAINT: ONE SOLID COLOR			STD
<b>Color</b>				
980-4B7	CAB COLOR A: N0789EA OMAHA ORANGE ELITE SS			N/C
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT			STD
98K-998	NO FUEL TANK CABINET PAINT			STD
962-972	POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)			STD
966-972	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)			STD
96F-972	POWDER WHITE (N0006EA) SPARE WHEEL/RIM (PKWHT21, TKWHT21, W, TW)			N/C
964-6Z7	BUMPER PAINT: FP24812 ARGENT SILVER DUPONT FLEX			STD
963-003	STANDARD E COAT/UNDERCOATING			STD
<b>Certification / Compliance</b>				





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## Q U O T A T I O N

### M2 106 CONVENTIONAL CHASSIS

SET BACK AXLE - TRUCK	DETROIT DA-F-10.0-3 10,000# FF1 71.5 KPI/3.74 DROP
CUM B6.7 240 HP @ 2400 RPM, 2600 GOV, 560 LB/FT @ 1600 RPM	SINGLE FRONT AXLE
ALLISON 3500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	10,000# TAPERLEAF FRONT SUSPENSION
DETROIT DA-RS-17.5-2 17,500# R-SERIES SINGLE REAR AXLE	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
20,000# FLAT LEAF SPRING REAR SUSPENSION WITH RADIUS ROD	4875MM (192 INCH) WHEELBASE
	11/32X3-1/2X10-15/16 INCH STEEL FRAME
	(8.73MMX277.8/0.344X10.94 INCH) 80KSI
	1900MM (75 INCH) REAR FRAME OVERHANG

			<b>PER UNIT</b>		<b>TOTAL</b>
VEHICLE PRICE	<b>TOTAL # OF UNITS (1)</b>	\$	60,513	\$	60,513

COMMENTS: Projected delivery on \_\_\_ / \_\_\_ / \_\_\_ provided the order is received before \_\_\_ / \_\_\_ / \_\_\_.  
 APPROVAL: Please indicate your acceptance of this quotation by signing below: Customer:  
 X \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_.



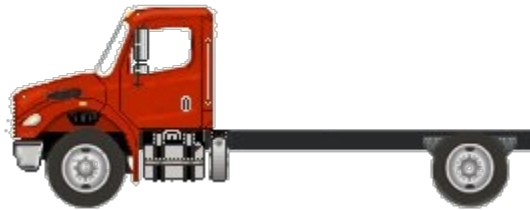
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*A proposal for*  
**State of Michigan-134D**

*Prepared by*  
**D & K TRUCK COMPANY**  
*Edward Merrill*  
*Mar 21, 2017*

**Freightliner M2 106**



Components shown may not reflect all spec'd options and are not to scale

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## S P E C I F I C A T I O N P R O P O S A L

Data Code	Description	Weight Front	Weight Rear	Retail Price
<b>Price Level</b>				
PRL-15M	M2 PRL-15M (EFF:10/25/16)			STD
<b>Data Version</b>				
DRL-016	SPECPRO21 DATA RELEASE VER 016			N/C
<b>Vehicle Configuration</b>				
001-172	M2 106 CONVENTIONAL CHASSIS	5,759	3,503	\$100,130.00
004-218	2018 MODEL YEAR SPECIFIED			N/C
002-004	SET BACK AXLE - TRUCK			STD
019-002	STRAIGHT TRUCK PROVISION			STD
003-001	LH PRIMARY STEERING LOCATION			STD
<b>General Service</b>				
AA1-002	TRUCK CONFIGURATION			STD
AA6-002	DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)			STD
A85-010	UTILITY/REPAIR/MAINTENANCE SERVICE			N/C
A84-1GM	GOVERNMENT BUSINESS SEGMENT			N/C
AA4-011	FIXED LOAD COMMODITY			N/C
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS			STD
AB1-008	MAXIMUM 8% EXPECTED GRADE			STD
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE			STD
995-091	MEDIUM TRUCK WARRANTY			STD
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 8400.0 lbs			
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 15000.0 lbs			
A69-99D	EXPECTED TAG AXLE(S) LOAD : 0.0 lbs			
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 23400.0 lbs			
A70-99D	EXPECTED GROSS COMBINATION WEIGHT : 0.0 lbs			



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Data Code	Description	Weight Front	Weight Rear	Retail Price
<b>Truck Service</b>				
AA3-005	FLATBED/PLATFORM/STAKE BODY			N/C
AF7-99D	EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in			
<b>Engine</b>				
101-21N	CUM B6.7 200 HP @ 2400 RPM, 2600 GOV, 520 LB/FT @ 1600 RPM			\$590.00
<b>Electronic Parameters</b>				
79A-075	75 MPH ROAD SPEED LIMIT			N/C
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT			N/C
79K-007	PTO MODE ENGINE RPM LIMIT - 1100 RPM			N/C
79P-002	PTO RPM WITH CRUISE SET SWITCH - 700 RPM			N/C
79Q-003	PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM			N/C
79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH			N/C
79U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND			N/C
80G-002	PTO MINIMUM RPM - 700			N/C
80J-002	REGEN INHIBIT SPEED THRESHOLD - 5 MPH			N/C
<b>Engine Equipment</b>				
99C-017	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION			N/C
99D-010	NO 2008 CARB EMISSION CERTIFICATION			N/C
13E-001	STANDARD OIL PAN			STD
105-001	ENGINE MOUNTED OIL CHECK AND FILL			STD
133-004	ONE PIECE VALVE COVER			STD
014-099	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER			STD
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE			STD
292-1D8	(2) ALLIANCE MODEL 1131, GROUP 31, 12 VOLT MAINTENANCE FREE 1900 CCA THREADED STUD BATTERIES, NON FCCC ONLY			STD
290-017	BATTERY BOX FRAME MOUNTED			STD
281-001	STANDARD BATTERY JUMPERS			STD
282-001	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB			STD
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN			STD



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289-001	NON-POLISHED BATTERY BOX COVER			STD
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE			STD
108-002	STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR			STD
131-013	AIR COMPRESSOR DISCHARGE LINE			STD
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM			STD
016-101	RH INBOARD FRAME MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH HORIZONTAL TAILPIPE	-50	-50	(\$1,000.00)
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH			STD
239-001	STANDARD EXHAUST SYSTEM LENGTH			STD
237-052	RH STANDARD HORIZONTAL TAILPIPE			STD
23U-001	6 GALLON DIESEL EXHAUST FLUID TANK			STD
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL			STD
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION			STD
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING			STD
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP			STD
273-035	HORTON HT650 FRONTAL AIR ON/OFF ENGINE FAN CLUTCH			STD
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED			STD
110-003	CUMMINS SPIN ON FUEL FILTER			STD
118-001	FULL FLOW OIL FILTER			STD
266-078	950 SQUARE INCH ALUMINUM RADIATOR			STD
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT			STD
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT			STD
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES			STD
270-016	RADIATOR DRAIN VALVE			STD
168-002	LOWER RADIATOR GUARD			STD
138-010	PHILLIPS-TEMRO 750 WATT/115 VOLT BLOCK HEATER	4		\$108.00
140-053	BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR			N/C



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Data Code	Description	Weight Front	Weight Rear	Retail Price
134-001	ALUMINUM FLYWHEEL HOUSING			STD
132-004	ELECTRIC GRID AIR INTAKE WARMER			STD
155-057	DELCO 12V 29MT STARTER WITH INTEGRATED MAGNETIC SWITCH			STD

### Transmission

342-1MK	ALLISON 2100 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION			\$253.00
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### Transmission Equipment

343-301	ALLISON VOCATIONAL PACKAGE 354 - AVAILABLE ON 1000/2000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, EVS, HS, MH, PTS AND SPS			STD
84B-012	ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES			N/C
84C-003	PRIMARY MODE GEARS, 5 FORWARD GEARS WITH MANUAL SELECTION FOR 3, 2 AND 1, AVAILABLE FOR 1000/2000 PRODUCT FAMILIES ONLY			STD
84E-000	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84F-000	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84G-000	PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84H-000	SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84L-000	LOAD BASED SHIFT SCHEDULE AND VEHICLE ACCELERATION CONTROL RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED VOCATIONAL USAGE			STD
84N-000	NEUTRAL AT STOP - DISABLED, FUELSENSE - DISABLED			STD
84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES			STD
353-022	VEHICLE INTERFACE WIRING CONNECTOR WITHOUT BLUNT CUTS, AT BACK OF CAB			\$45.00
34C-001	ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR FIREWALL MOUNTED			\$25.00
362-1BU	CUSTOMER INSTALLED CHELSEA 230/231/236 SERIES PTO			N/C



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Data Code	Description	Weight Front	Weight Rear	Retail Price
363-001	PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION			N/C
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN			STD
345-072	DASH MOUNTED T-HANDLE CABLE SHIFT CONTROL WITHOUT PARK BRAKE POSITION			STD
97G-006	TRANSMISSION PROGNOSTICS - DISABLED (N/A) 2013, FOR USE IN 1000/2000 ONLY			STD
370-015	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK			STD
346-001	TRANSMISSION OIL CHECK AND FILL			STD
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)			STD

### Front Axle and Equipment

400-1A5	DETROIT DA-F-10.0-3 10,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE			N/C
402-021	MERITOR 15X5 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES			\$119.00
403-002	NON-ASBESTOS FRONT BRAKE LINING			STD
419-015	MERITOR CAST IRON FRONT BRAKE DRUMS	-10		(\$18.00)
409-002	SKF SCOTSEAL CLASSIC FRONT OIL SEALS			N/C
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL			STD
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES			STD
405-002	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS			STD
536-050	TRW THP-60 POWER STEERING			STD
539-003	POWER STEERING PUMP			STD
534-015	2 QUART SEE THROUGH POWER STEERING RESERVOIR			STD
40T-002	SYNTHETIC 75W-90 FRONT AXLE LUBE			\$11.00

### Front Suspension

620-062	10,000# TAPERLEAF FRONT SUSPENSION			\$21.00
619-005	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION			STD
62H-998	NO FRONT SUSPENSION SPRING BRACKET OPTIONS			STD
410-001	FRONT SHOCK ABSORBERS			STD

### Rear Axle and Equipment



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Data Code	Description	Weight Front	Weight Rear	Retail Price
420-1CY	DETROIT DA-RS-15.0-2 15,000# F-SERIES SINGLE REAR AXLE		-185	\$676.00
421-478	4.78 REAR AXLE RATIO			N/C
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING			STD
386-073	MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES			STD
423-001	MERITOR 15X6 Q+ CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		-30	N/C
433-002	NON-ASBESTOS REAR BRAKE LINING			STD
434-011	BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)			N/C
451-018	WEBB CAST IRON REAR BRAKE DRUMS		50	N/C
440-001	SKF SCOTSEAL CLASSIC REAR OIL SEALS			N/C
426-074	HALDEX GOLDSEAL LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS			STD
428-002	MERITOR AUTOMATIC REAR SLACK ADJUSTERS			STD
41T-001	ORGANIC SAE 80/90 REAR AXLE LUBE			STD

### Rear Suspension

622-1MC	16,000# 52 INCH VARIABLE RATE MULTI-LEAF SPRING REAR SUSPENSION		-10	(\$1,813.00)
621-004	SPRING SUSPENSION - 1.50" AXLE SPACER		10	\$62.00
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP			STD

### Brake System

018-002	AIR BRAKE PACKAGE			STD
490-100	WABCO 4S/4M ABS WITHOUT TRACTION CONTROL			STD
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES			STD
904-001	FIBER BRAID PARKING BRAKE HOSE			STD
412-001	STANDARD BRAKE SYSTEM VALVES			STD
46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM			STD
413-002	STD U.S. FRONT BRAKE VALVE			STD
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE			STD
480-083	WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER			STD
479-015	AIR DRYER FRAME MOUNTED			STD
460-001	STEEL AIR BRAKE RESERVOIRS			STD





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Data Code	Description	Weight Front	Weight Rear	Retail Price
477-001	PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS			STD
<b>Trailer Connections</b>				
335-004	UPGRADED CHASSIS MULTIPLEXING UNIT			STD
32A-002	UPGRADED BULKHEAD MULTIPLEXING UNIT			STD
30L-998	NO HIGH CURRENT TRAILER/BODY CABLE			STD
<b>Wheelbase &amp; Frame</b>				
545-487	4875MM (192 INCH) WHEELBASE			N/C
546-092	11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8/0.344X10.94 INCH) 80KSI	120	120	\$557.00
552-014	1900MM (75 INCH) REAR FRAME OVERHANG			N/C
55W-007	FRAME OVERHANG RANGE: 71 INCH TO 80 INCH	-20	90	N/C
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 126.45 in			
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 123.45 in			
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 296.39			
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 126.45 in			
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 128.56 in			N/C
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 134.47 in			N/C
553-001	SQUARE END OF FRAME			STD
550-001	FRONT CLOSING CROSSMEMBER			STD
559-001	STANDARD WEIGHT ENGINE CROSSMEMBER			STD
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)			STD
572-001	STANDARD REAR MOST CROSSMEMBER			STD
565-001	STANDARD SUSPENSION CROSSMEMBER			STD
<b>Chassis Equipment</b>				
556-1AN	THREE-PIECE 14 INCH STEEL CENTER BUMPER WITH FLEXIBLE PLASTIC ENDS			STD
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE			STD
586-024	FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS			STD
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS			STD
<b>Fuel Tanks</b>				



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Data Code	Description	Weight Front	Weight Rear	Retail Price
206-192	50 GALLON/189 LITER RECTANGULAR ALUMINUM FUEL TANK - RH	80	20	\$820.00
204-192	50 GALLON/189 LITER RECTANGULAR ALUMINUM FUEL TANK - LH	20		\$31.00
218-005	RECTANGULAR FUEL TANK(S)			STD
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS			STD
212-014	LH FUEL TANK MOUNTED FORWARD, RH FUEL TANK MOUNTED AFT	-35	35	N/C
664-001	PLAIN STEP FINISH			STD
205-001	FUEL TANK CAP(S)			STD
122-1J2	DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR AND HAND PRIMER	-5		N/C
216-020	EQUIFLO INBOARD FUEL SYSTEM			STD
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE			STD

### Tires

093-1JA	BF GOODRICH ST230 225/70R19.5 14 PLY RADIAL FRONT TIRES	-110		(\$776.00)
094-1JA	BF GOODRICH ST230 225/70R19.5 14 PLY RADIAL REAR TIRES		-220	(\$1,552.00)

### Hubs

418-014	WEBB IRON FRONT HUBS	20		\$190.00
450-014	WEBB IRON REAR HUBS		-20	N/C

### Wheels

502-1EB	ACCURIDE 50180 19.5X6.75 8-HUB PILOT 5.12 INSET 4-HAND STEEL DISC FRONT WHEELS	-22		\$28.00
505-1EB	ACCURIDE 50180 19.5X6.75 8-HUB PILOT 4-HAND STEEL DISC REAR WHEELS		-44	\$56.00
511-1F2	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC SPARE WHEEL		70	\$117.00
496-011	FRONT WHEEL MOUNTING NUTS			STD
497-011	REAR WHEEL MOUNTING NUTS			STD

### Cab Exterior

829-071	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB			STD
650-009	RUBBER CAB MOUNTS			STD
678-001	LH AND RH GRAB HANDLES			STD
646-009	PAINTED PLASTIC GRILLE			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
65X-001	ARGENT SILVER HOOD MOUNTED AIR INTAKE GRILLE			STD
644-004	FIBERGLASS HOOD			STD
726-001	SINGLE ELECTRIC HORN			STD
657-1CV	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME WITH (4) KEYS			\$19.00
575-001	REAR LICENSE PLATE MOUNT END OF FRAME			STD
312-043	INTEGRAL HEADLIGHT/MARKER ASSEMBLY			STD
302-001	(5) AMBER MARKER LIGHTS			STD
294-001	INTEGRAL STOP/TAIL/BACKUP LIGHTS			STD
300-015	STANDARD FRONT TURN SIGNAL LAMPS			STD
744-1BN	DUAL WEST COAST BRIGHT FINISH MIRRORS			\$95.00
797-001	DOOR MOUNTED MIRRORS			STD
796-001	102 INCH EQUIPMENT WIDTH			STD
743-204	LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS			N/C
729-001	STANDARD SIDE/REAR REFLECTORS			STD
768-043	63X14 INCH TINTED REAR WINDOW			STD
661-003	TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS			STD
654-003	MANUAL DOOR WINDOW REGULATORS			STD
663-013	TINTED WINDSHIELD			STD
659-019	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED			STD

### Cab Interior

707-1AM	OPAL GRAY CLOTH INTERIOR			STD
706-013	MOLDED PLASTIC DOOR PANEL			STD
708-013	MOLDED PLASTIC DOOR PANEL			STD
772-006	BLACK MATS WITH SINGLE INSULATION			STD
691-008	FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING			STD
694-010	IN DASH STORAGE BIN			STD
742-007	(2) CUP HOLDERS LH AND RH DASH			STD
680-006	GRAY/CHARCOAL FLAT DASH			STD
700-002	HEATER, DEFROSTER AND AIR CONDITIONER			STD
701-001	STANDARD HVAC DUCTING			STD
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
170-015	STANDARD HEATER PLUMBING			STD
130-033	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR			STD
702-002	BINARY CONTROL, R-134A			STD
739-033	STANDARD INSULATION			STD
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES			STD
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM			STD
324-011	DOMED DOOR ACTIVATED LH AND RH, DUAL READING LIGHTS, FORWARD CAB ROOF			\$68.00
655-001	CAB DOOR LATCHES WITH MANUAL DOOR LOCKS			STD
284-023	(1) 12 VOLT POWER SUPPLY IN DASH			\$17.00
756-033	FULL WIDTH BENCH SEAT	50		(\$43.00)
760-998	NO FRONT PASSENGER SEAT	-30		N/C
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS			STD
758-036	VINYL WITH VINYL INSERT DRIVER SEAT			STD
763-101	BLACK SEAT BELTS			STD
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10		\$478.00
540-015	4-SPOKE 18 INCH (450MM) STEERING WHEEL			STD
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS			STD

### Instruments & Controls

732-004	GRAY DRIVER INSTRUMENT PANEL			STD
734-004	GRAY CENTER INSTRUMENT PANEL			STD
87L-001	ENGINE REMOTE INTERFACE WITH PARK BRAKE INTERLOCK			N/C
870-001	BLACK GAUGE BEZELS			STD
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM			STD
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES			STD
198-025	INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS			STD
149-013	ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL			STD
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY			STD
811-042	ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH			STD
844-001	2 INCH ELECTRIC FUEL GAUGE			STD
148-070	ENGINE REMOTE INTERFACE WITH PRESET FAST IDLE			\$85.00
163-001	ENGINE REMOTE INTERFACE CONNECTOR AT BACK OF CAB			N/C
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE			STD
864-005	TRANSMISSION OIL TEMPERATURE INDICATOR LIGHT			STD
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY			STD
73B-998	NO LANE DEPARTURE WARNING SYSTEM			STD
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE			STD
679-001	OVERHEAD INSTRUMENT PANEL			\$76.00
746-114	AM/FM/WB WORLD TUNER RADIO WITH AUXILIARY INPUT, J1939	10		\$274.00
747-001	DASH MOUNTED RADIO			N/C
750-002	(2) RADIO SPEAKERS IN CAB			N/C
753-001	AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF	2		N/C
748-006	POWER AND GROUND WIRING PROVISION OVERHEAD			\$23.00
749-001	ROOF/OVERHEAD CONSOLE CB RADIO PROVISION			\$92.00
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER			STD
817-001	STANDARD VEHICLE SPEED SENSOR			STD
812-001	ELECTRONIC 3000 RPM TACHOMETER			STD
8D1-998	NO DIRECT CONNECT			STD
8Z1-998	NO ZONAR SYSTEMS (SCO)			STD
162-011	IDLE LIMITER, ELECTRONIC ENGINE			STD
329-091	(6) IGN CONTROLLED EXTRA SWITCHES WITH IND LIGHTS WIRED TO POWER DIST BOX WITH RELAYS PROVIDING 20 AMPS PER CIRCUIT TO JUNCTION BLOCK AND 1 CIRCUIT AT 30 AMPS			\$464.00
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY			STD
660-025	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY PROGRAMMED TO SLOWEST SPEED WITH PARK BRAKE SET			\$22.00



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Data Code	Description	Weight Front	Weight Rear	Retail Price
304-001	MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH			STD
882-009	ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR			STD
299-013	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE			STD
298-039	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS			STD
869-998	NO MISCELLANEOUS GAUGES			STD
<b>Design</b>				
065-000	PAINT: ONE SOLID COLOR			STD
<b>Color</b>				
980-4B7	CAB COLOR A: N0789EA OMAHA ORANGE ELITE SS			N/C
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT			STD
98K-998	NO FUEL TANK CABINET PAINT			STD
962-972	POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)			STD
966-972	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)			STD
96F-972	POWDER WHITE (N0006EA) SPARE WHEEL/RIM (PKWHT21, TKWHT21, W, TW)			N/C
964-6Z7	BUMPER PAINT: FP24812 ARGENT SILVER DUPONT FLEX			STD
963-003	STANDARD E COAT/UNDERCOATING			STD
<b>Certification / Compliance</b>				



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## Q U O T A T I O N

### M2 106 CONVENTIONAL CHASSIS

SET BACK AXLE - TRUCK CUM B6.7 200 HP @ 2400 RPM, 2600 GOV, 520 LB/FT @ 1600 RPM ALLISON 2100 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION DETROIT DA-RS-15.0-2 15,000# F-SERIES SINGLE REAR AXLE 16,000# 52 INCH VARIABLE RATE MULTI-LEAF SPRING REAR SUSPENSION	DETROIT DA-F-10.0-3 10,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE 10,000# TAPERLEAF FRONT SUSPENSION 106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB 4875MM (192 INCH) WHEELBASE 11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8/0.344X10.94 INCH) 80KSI 1900MM (75 INCH) REAR FRAME OVERHANG
--	--

		<b>PER UNIT</b>		<b>TOTAL</b>
VEHICLE PRICE	<b>TOTAL # OF UNITS (1)</b>	\$ 55,522	\$	55,522
<b>BALANCE DUE</b>	<b>(LOCAL CURRENCY)</b>	<b>\$ 55,522</b>	<b>\$</b>	<b>55,522</b>

**COMMENTS:**

Projected delivery on \_\_\_ / \_\_\_ / \_\_\_ provided the order is received before \_\_\_ / \_\_\_ / \_\_\_.

**APPROVAL:**

Please indicate your acceptance of this quotation by signing below:

Customer: X \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_.



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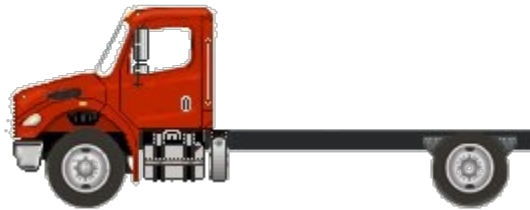
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*A proposal for*  
**State of Michigan-135D**

*Prepared by*  
**D & K TRUCK COMPANY**  
*Edward Merrill*

*Mar 21, 2017*

**Freightliner M2 106**



Components shown may not reflect all spec'd options and are not to scale





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## S P E C I F I C A T I O N P R O P O S A L

Data Code	Description	Weight Front	Weight Rear	Retail Price
<b>Price Level</b>				
PRL-14M	M2 PRL-14M (EFF:10/05/15)			N/C
<b>Data Version</b>				
DRL-016	SPECPRO21 DATA RELEASE VER 016			N/C
<b>Vehicle Configuration</b>				
001-172	M2 106 CONVENTIONAL CHASSIS	5,759	3,503	\$98,616.00
004-217	2017 MODEL YEAR SPECIFIED			STD
002-004	SET BACK AXLE - TRUCK			STD
019-002	STRAIGHT TRUCK PROVISION			STD
003-001	LH PRIMARY STEERING LOCATION			STD
<b>General Service</b>				
AA1-002	TRUCK CONFIGURATION			STD
AA6-002	DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)			STD
A85-010	UTILITY/REPAIR/MAINTENANCE SERVICE			N/C
A84-1GM	GOVERNMENT BUSINESS SEGMENT			N/C
AA4-011	FIXED LOAD COMMODITY			N/C
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS			STD
AB1-008	MAXIMUM 8% EXPECTED GRADE			STD
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE			STD
995-091	MEDIUM TRUCK WARRANTY			STD
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 8400.0 lbs			
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 15000.0 lbs			
A69-99D	EXPECTED TAG AXLE(S) LOAD : 0.0 lbs			
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 23400.0 lbs			
A70-99D	EXPECTED GROSS COMBINATION WEIGHT : 0.0 lbs			



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Data Code	Description	Weight Front	Weight Rear	Retail Price
<b>Truck Service</b>				
AA3-005	FLATBED/PLATFORM/STAKE BODY			N/C
AF7-99D	EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in			
<b>Engine</b>				
101-2N2	CUM ISB 6.7-200 200 HP @ 2300 RPM, 2600 GOV, 520 LB/FT @ 1600 RPM			STD
<b>Electronic Parameters</b>				
79A-075	75 MPH ROAD SPEED LIMIT			N/C
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT			N/C
79K-007	PTO MODE ENGINE RPM LIMIT - 1100 RPM			N/C
79P-002	PTO RPM WITH CRUISE SET SWITCH - 700 RPM			N/C
79Q-003	PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM			N/C
79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH			N/C
79U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND			N/C
80G-002	PTO MINIMUM RPM - 700			N/C
80J-002	REGEN INHIBIT SPEED THRESHOLD - 5 MPH			N/C
<b>Engine Equipment</b>				
99C-016	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/GHG17 BUT NOT FINAL GHG17 CONFIGURATION			STD
99D-010	NO 2008 CARB EMISSION CERTIFICATION			N/C
13E-001	STANDARD OIL PAN			STD
105-001	ENGINE MOUNTED OIL CHECK AND FILL			STD
133-004	ONE PIECE VALVE COVER			STD
014-099	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER			STD
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE			STD
292-1D8	(2) ALLIANCE MODEL 1131, GROUP 31, 12 VOLT MAINTENANCE FREE 1900 CCA THREADED STUD BATTERIES, NON FCCC ONLY			STD
290-017	BATTERY BOX FRAME MOUNTED			STD
281-001	STANDARD BATTERY JUMPERS			STD
282-001	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB			STD



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291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN			STD
289-001	NON-POLISHED BATTERY BOX COVER			STD
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE			STD
108-002	STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR			STD
131-013	AIR COMPRESSOR DISCHARGE LINE			STD
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM			STD
016-1C3	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE			STD
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH			STD
239-001	STANDARD EXHAUST SYSTEM LENGTH			STD
237-052	RH STANDARD HORIZONTAL TAILPIPE			STD
23U-001	6 GALLON DIESEL EXHAUST FLUID TANK			STD
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL			STD
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION			STD
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING			STD
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP			STD
273-035	HORTON HT650 FRONTAL AIR ON/OFF ENGINE FAN CLUTCH			STD
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED			STD
110-003	CUMMINS SPIN ON FUEL FILTER			STD
118-001	FULL FLOW OIL FILTER			STD
266-078	950 SQUARE INCH ALUMINUM RADIATOR			STD
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT			STD
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT			STD
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES			STD
270-016	RADIATOR DRAIN VALVE			STD
168-002	LOWER RADIATOR GUARD			STD
138-010	PHILLIPS-TEMRO 750 WATT/115 VOLT BLOCK HEATER	4		\$108.00



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Data Code	Description	Weight Front	Weight Rear	Retail Price
140-053	BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR			N/C
134-001	ALUMINUM FLYWHEEL HOUSING			STD
132-004	ELECTRIC GRID AIR INTAKE WARMER			STD
155-057	DELCO 12V 29MT STARTER WITH INTEGRATED MAGNETIC SWITCH			STD

### Transmission

342-1MM	ALLISON 2200 RDS AUTOMATIC TRANSMISSION WITH PARK PAWL WITH PTO PROVISION			\$859.00
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### Transmission Equipment

343-301	ALLISON VOCATIONAL PACKAGE 354 - AVAILABLE ON 1000/2000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, EVS, HS, MH, PTS AND SPS			STD
84B-012	ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES			N/C
84C-003	PRIMARY MODE GEARS, 5 FORWARD GEARS WITH MANUAL SELECTION FOR 3, 2 AND 1, AVAILABLE FOR 1000/2000 PRODUCT FAMILIES ONLY			STD
84E-000	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84F-000	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84G-000	PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84H-000	SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84L-000	LOAD BASED SHIFT SCHEDULE AND VEHICLE ACCELERATION CONTROL RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED VOCATIONAL USAGE			STD
84N-000	NEUTRAL AT STOP - DISABLED, FUELSENSE - DISABLED			STD
84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES			STD
362-1BU	CUSTOMER INSTALLED CHELSEA 230/231/236 SERIES PTO			N/C
363-001	PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION			N/C



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341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN			STD
345-074	DASH MOUNTED T-HANDLE CABLE SHIFT CONTROL WITH PARK POSITION FOR INTERNAL PARK PAWL			N/C
97G-006	TRANSMISSION PROGNOSTICS - DISABLED (N/A) 2013, FOR USE IN 1000/2000 ONLY			STD
370-015	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK			STD
346-001	TRANSMISSION OIL CHECK AND FILL			STD
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)			STD

### Front Axle and Equipment

400-1A5	DETROIT DA-F-10.0-3 10,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE			N/C
402-021	MERITOR 15X5 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES			\$140.00
403-002	NON-ASBESTOS FRONT BRAKE LINING			STD
419-015	MERITOR CAST IRON FRONT BRAKE DRUMS	-10		(\$18.00)
409-021	SKF SCOTSEAL PLUS XL FRONT OIL SEALS			STD
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL			STD
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES			STD
405-002	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS			STD
536-050	TRW THP-60 POWER STEERING			STD
539-003	POWER STEERING PUMP			STD
534-015	2 QUART SEE THROUGH POWER STEERING RESERVOIR			STD
40T-002	SYNTHETIC 75W-90 FRONT AXLE LUBE			\$11.00

### Front Suspension

620-062	10,000# TAPERLEAF FRONT SUSPENSION			\$21.00
619-005	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION			STD
62H-998	NO FRONT SUSPENSION SPRING BRACKET OPTIONS			STD
410-001	FRONT SHOCK ABSORBERS			STD

### Rear Axle and Equipment

420-1C6	DETROIT DA-RS-17.5-2 17,500# R-SERIES SINGLE REAR AXLE		-170	(\$360.00)
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Data Code	Description	Weight Front	Weight Rear	Retail Price
421-478	4.78 REAR AXLE RATIO			N/C
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING			STD
386-073	MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES			STD
423-020	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES			STD
433-002	NON-ASBESTOS REAR BRAKE LINING			STD
434-011	BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)			N/C
451-023	CONMET CAST IRON REAR BRAKE DRUMS			STD
440-021	SKF SCOTSEAL PLUS XL REAR OIL SEALS			STD
426-074	HALDEX GOLDSEAL LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS			STD
428-002	MERITOR AUTOMATIC REAR SLACK ADJUSTERS			STD
41T-001	ORGANIC SAE 80/90 REAR AXLE LUBE			STD

### Rear Suspension

622-1ME	18,000# 52 INCH VARIABLE RATE MULTI-LEAF SPRING REAR SUSPENSION WITH LEAF SPRING HELPER		90	(\$1,620.00)
621-001	SPRING SUSPENSION - NO AXLE SPACERS			N/C
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP			STD

### Brake System

018-002	AIR BRAKE PACKAGE			STD
490-100	WABCO 4S/4M ABS WITHOUT TRACTION CONTROL			STD
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES			STD
904-001	FIBER BRAID PARKING BRAKE HOSE			STD
412-001	STANDARD BRAKE SYSTEM VALVES			STD
46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM			STD
413-002	STD U.S. FRONT BRAKE VALVE			STD
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE			STD
480-083	WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER			STD
479-015	AIR DRYER FRAME MOUNTED			STD
460-001	STEEL AIR BRAKE RESERVOIRS			STD



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477-001	PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS			STD
<b>Trailer Connections</b>				
335-004	UPGRADED CHASSIS MULTIPLEXING UNIT			STD
32A-002	UPGRADED BULKHEAD MULTIPLEXING UNIT			STD
30L-998	NO HIGH CURRENT TRAILER/BODY CABLE			STD
<b>Wheelbase &amp; Frame</b>				
545-487	4875MM (192 INCH) WHEELBASE			N/C
546-092	11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8/0.344X10.94 INCH) 80KSI	120	120	\$557.00
552-014	1900MM (75 INCH) REAR FRAME OVERHANG			N/C
55W-007	FRAME OVERHANG RANGE: 71 INCH TO 80 INCH	-20	90	N/C
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 126.45 in			
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 123.45 in			
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 296.39			
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 126.45 in			
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 123.56 in			N/C
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 93.58 in			N/C
553-001	SQUARE END OF FRAME			STD
550-001	FRONT CLOSING CROSSMEMBER			STD
559-001	STANDARD WEIGHT ENGINE CROSSMEMBER			STD
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)			STD
572-001	STANDARD REAR MOST CROSSMEMBER			STD
565-001	STANDARD SUSPENSION CROSSMEMBER			STD
<b>Chassis Equipment</b>				
556-1AN	THREE-PIECE 14 INCH STEEL CENTER BUMPER WITH FLEXIBLE PLASTIC ENDS			STD
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE			STD
586-024	FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS			STD
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS			STD
<b>Fuel Tanks</b>				
206-192	50 GALLON/189 LITER RECTANGULAR ALUMINUM FUEL TANK - RH	80	20	\$820.00



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Data Code	Description	Weight Front	Weight Rear	Retail Price
204-192	50 GALLON/189 LITER RECTANGULAR ALUMINUM FUEL TANK - LH	20		\$31.00
218-005	RECTANGULAR FUEL TANK(S)			STD
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS			STD
212-014	LH FUEL TANK MOUNTED FORWARD, RH FUEL TANK MOUNTED AFT	-35	35	N/C
664-001	PLAIN STEP FINISH			STD
205-001	FUEL TANK CAP(S)			STD
122-084	ALLIANCE FUEL FILTER/WATER SEPARATOR WITH PRIMER PUMP			STD
216-020	EQUIFLO INBOARD FUEL SYSTEM			STD
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE			STD

### Tires

093-2C5	HANKOOK AL11 11R22.5 14 PLY RADIAL FRONT TIRES	8		(\$292.00)
094-2EU	HANKOOK DH06 11R22.5 14 PLY RADIAL REAR TIRES		64	(\$600.00)

### Hubs

418-056	CONMET PRESET PLUS IRON FRONT HUBS			STD
450-056	CONMET PRESET PLUS IRON REAR HUBS			STD

### Wheels

502-1F2	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC FRONT WHEELS			STD
505-1F2	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC REAR WHEELS			STD
511-1F2	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC SPARE WHEEL		70	\$138.00
496-011	FRONT WHEEL MOUNTING NUTS			STD
497-011	REAR WHEEL MOUNTING NUTS			STD

### Cab Exterior

829-071	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB			STD
650-009	RUBBER CAB MOUNTS			STD
678-001	LH AND RH GRAB HANDLES			STD
646-009	PAINTED PLASTIC GRILLE			STD
65X-001	ARGENT SILVER HOOD MOUNTED AIR INTAKE GRILLE			STD





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644-004	FIBERGLASS HOOD			STD
726-001	SINGLE ELECTRIC HORN			STD
657-1CV	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME WITH (4) KEYS			\$19.00
575-001	REAR LICENSE PLATE MOUNT END OF FRAME			STD
312-043	INTEGRAL HEADLIGHT/MARKER ASSEMBLY			STD
302-001	(5) AMBER MARKER LIGHTS			STD
294-001	INTEGRAL STOP/TAIL/BACKUP LIGHTS			STD
300-015	STANDARD FRONT TURN SIGNAL LAMPS			STD
744-1BN	DUAL WEST COAST BRIGHT FINISH MIRRORS			\$95.00
797-001	DOOR MOUNTED MIRRORS			STD
796-001	102 INCH EQUIPMENT WIDTH			STD
743-204	LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS			N/C
729-001	STANDARD SIDE/REAR REFLECTORS			STD
768-043	63X14 INCH TINTED REAR WINDOW			STD
661-003	TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS			STD
654-003	MANUAL DOOR WINDOW REGULATORS			STD
663-013	TINTED WINDSHIELD			STD
659-019	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED			STD

### Cab Interior

707-1AM	OPAL GRAY CLOTH INTERIOR			STD
706-013	MOLDED PLASTIC DOOR PANEL			STD
708-013	MOLDED PLASTIC DOOR PANEL			STD
772-006	BLACK MATS WITH SINGLE INSULATION			STD
691-008	FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING			STD
694-010	IN DASH STORAGE BIN			STD
742-007	(2) CUP HOLDERS LH AND RH DASH			STD
680-006	GRAY/CHARCOAL FLAT DASH			STD
700-002	HEATER, DEFROSTER AND AIR CONDITIONER			STD
701-001	STANDARD HVAC DUCTING			STD
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH			STD
170-015	STANDARD HEATER PLUMBING			STD



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130-033	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR			STD
702-002	BINARY CONTROL, R-134A			STD
739-033	STANDARD INSULATION			STD
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES			STD
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM			STD
324-014	DOME LIGHT WITH 3-WAY SWITCH ACTIVATED BY LH AND RH DOORS			STD
655-001	CAB DOOR LATCHES WITH MANUAL DOOR LOCKS			STD
284-023	(1) 12 VOLT POWER SUPPLY IN DASH			\$16.00
756-1J3	BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	30		\$212.00
760-235	2 MAN TOOL BOX MID BACK NON SUSPENSION PASSENGER SEAT	20		\$250.00
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS			STD
758-036	VINYL WITH VINYL INSERT DRIVER SEAT			STD
761-036	VINYL WITH VINYL INSERT PASSENGER SEAT			STD
763-101	BLACK SEAT BELTS			STD
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10		\$478.00
540-015	4-SPOKE 18 INCH (450MM) STEERING WHEEL			STD
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS			STD

### Instruments & Controls

732-004	GRAY DRIVER INSTRUMENT PANEL			STD
734-004	GRAY CENTER INSTRUMENT PANEL			STD
870-001	BLACK GAUGE BEZELS			STD
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM			STD
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES			STD
198-025	INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS			STD
149-013	ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL			STD
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY			STD
811-042	ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED			STD



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160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH			STD
844-001	2 INCH ELECTRIC FUEL GAUGE			STD
148-003	PROGRAMMABLE RPM CONTROL - ELECTRONIC ENGINE			STD
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE			STD
864-005	TRANSMISSION OIL TEMPERATURE INDICATOR LIGHT			STD
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY			STD
372-051	CUSTOMER FURNISHED AND INSTALLED PTO CONTROLS			N/C
73B-998	NO LANE DEPARTURE WARNING SYSTEM			STD
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE			STD
746-114	AM/FM/WB WORLD TUNER RADIO WITH AUXILIARY INPUT, J1939	10		\$274.00
747-001	DASH MOUNTED RADIO			N/C
750-002	(2) RADIO SPEAKERS IN CAB			N/C
753-001	AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF	2		N/C
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER			STD
817-001	STANDARD VEHICLE SPEED SENSOR			STD
812-001	ELECTRONIC 3000 RPM TACHOMETER			STD
8D1-998	NO DIRECT CONNECT			STD
8Z1-998	NO ZONAR SYSTEMS (SCO)			STD
162-011	IDLE LIMITER, ELECTRONIC ENGINE			STD
329-091	(6) IGN CONTROLLED EXTRA SWITCHES WITH IND LIGHTS WIRED TO POWER DIST BOX WITH RELAYS PROVIDING 20 AMPS PER CIRCUIT TO JUNCTION BLOCK AND 1 CIRCUIT AT 30 AMPS			\$464.00
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY			STD
660-008	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY			STD
304-001	MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH			STD
882-009	ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
299-013	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE			STD
298-039	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS			STD
869-998	NO MISCELLANEOUS GAUGES			STD
<b>Design</b>				
065-000	PAINT: ONE SOLID COLOR			STD
<b>Color</b>				
980-4B7	CAB COLOR A: N0789EA OMAHA ORANGE ELITE SS			N/C
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT			STD
98K-998	NO FUEL TANK CABINET PAINT			STD
962-972	POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)			STD
966-972	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)			STD
96F-972	POWDER WHITE (N0006EA) SPARE WHEEL/RIM (PKWHT21, TKWHT21, W, TW)			N/C
964-6Z7	BUMPER PAINT: FP24812 ARGENT SILVER DUPONT FLEX			STD
963-003	STANDARD E COAT/UNDERCOATING			STD
<b>Certification / Compliance</b>				
996-001	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS			STD

**T O T A L V E H I C L E S U M M A R Y**

**Adjusted List Price**

Adjusted List Price \*\* \$100,219.00

**Weight Summary**

	Weight Front	Weight Rear	Total Weight
Factory Weight <sup>+</sup>	5998 lbs	3822 lbs	9820 lbs



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Total Weight <sup>+</sup>	5998 lbs	3822 lbs	9820 lbs
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**ITEMS NOT INCLUDED IN ADJUSTED LIST PRICE**

**Other Factory Charges**

PMU-016	2016 OBD/2010 EPA/CARB/GHG14 ESCALATOR	\$300.00
RD1-998	NO DETROIT CONNECT	STD
P73-2FT	STANDARD DESTINATION CHARGE	\$2,000.00

(+) Weights shown are estimates only.

If weight is critical, contact Customer Application Engineering.

(\*\*) Prices shown do not include taxes, fees, etc... "Net Equipment Selling Price" is located on the Quotation Details Proposal Report.



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## Q U O T A T I O N

### M2 106 CONVENTIONAL CHASSIS

SET BACK AXLE - TRUCK CUM ISB 6.7-200 200 HP @ 2300 RPM, 2600 GOV, 520 LB/FT @ 1600 RPM ALLISON 2200 RDS AUTOMATIC TRANSMISSION WITH PARK PAWL WITH PTO PROVISION DETROIT DA-RS-17.5-2 17,500# R-SERIES SINGLE REAR AXLE 18,000# 52 INCH VARIABLE RATE MULTI-LEAF SPRING REAR SUSPENSION WITH LEAF SPRING HELPER	DETROIT DA-F-10.0-3 10,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE 10,000# TAPERLEAF FRONT SUSPENSION 106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB 4875MM (192 INCH) WHEELBASE 11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8/0.344X10.94 INCH) 80KSI 1900MM (75 INCH) REAR FRAME OVERHANG
--	--

			<b>PER UNIT</b>		<b>TOTAL</b>
VEHICLE PRICE	<b>TOTAL # OF UNITS (1)</b>	\$	55,522	\$	55,522
		\$	0	\$	0
		\$	0	\$	0
<b>CUSTOMER PRICE</b>		<b>\$</b>	<b>55,522</b>	<b>\$</b>	<b>55,522</b>

**COMMENTS:**

Projected delivery on \_\_\_ / \_\_\_ / \_\_\_ provided the order is received before \_\_\_ / \_\_\_ / \_\_\_.

**APPROVAL:**

Please indicate your acceptance of this quotation by signing below:

Customer: X \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_.



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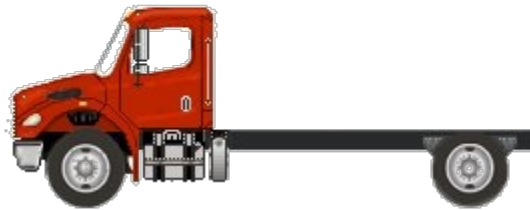
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*A proposal for*  
**State of Michigan-136D**

*Prepared by*  
**D & K TRUCK COMPANY**  
*Edward Merrill*

*Mar 21, 2017*

**Freightliner M2 106**



Components shown may not reflect all spec'd options and are not to scale



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## S P E C I F I C A T I O N   P R O P O S A L

Data Code	Description	Weight Front	Weight Rear	Retail Price
<b>Price Level</b>				
PRL-14M	M2 PRL-14M (EFF:10/05/15)			N/C
<b>Data Version</b>				
DRL-016	SPECPRO21 DATA RELEASE VER 016			N/C
<b>Vehicle Configuration</b>				
001-172	M2 106 CONVENTIONAL CHASSIS	5,759	3,503	\$98,616.00
004-217	2017 MODEL YEAR SPECIFIED			STD
002-004	SET BACK AXLE - TRUCK			STD
019-002	STRAIGHT TRUCK PROVISION			STD
003-001	LH PRIMARY STEERING LOCATION			STD
<b>General Service</b>				
AA1-002	TRUCK CONFIGURATION			STD
AA6-002	DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)			STD
A85-010	UTILITY/REPAIR/MAINTENANCE SERVICE			N/C
A84-1GM	GOVERNMENT BUSINESS SEGMENT			N/C
AA4-011	FIXED LOAD COMMODITY			N/C
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS			STD
AB1-008	MAXIMUM 8% EXPECTED GRADE			STD
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE			STD
995-091	MEDIUM TRUCK WARRANTY			STD
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 8400.0 lbs			
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 15000.0 lbs			
A69-99D	EXPECTED TAG AXLE(S) LOAD : 0.0 lbs			
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 23400.0 lbs			
A70-99D	EXPECTED GROSS COMBINATION WEIGHT : 0.0 lbs			





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Data Code	Description	Weight Front	Weight Rear	Retail Price
<b>Truck Service</b>				
AA3-005	FLATBED/PLATFORM/STAKE BODY			N/C
AF7-99D	EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in			
<b>Engine</b>				
101-2N2	CUM ISB 6.7-200 200 HP @ 2300 RPM, 2600 GOV, 520 LB/FT @ 1600 RPM			STD
<b>Electronic Parameters</b>				
79A-075	75 MPH ROAD SPEED LIMIT			N/C
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT			N/C
79K-007	PTO MODE ENGINE RPM LIMIT - 1100 RPM			N/C
79P-002	PTO RPM WITH CRUISE SET SWITCH - 700 RPM			N/C
79Q-003	PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM			N/C
79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH			N/C
79U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND			N/C
80G-002	PTO MINIMUM RPM - 700			N/C
80J-002	REGEN INHIBIT SPEED THRESHOLD - 5 MPH			N/C
<b>Engine Equipment</b>				
99C-016	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/GHG17 BUT NOT FINAL GHG17 CONFIGURATION			STD
99D-010	NO 2008 CARB EMISSION CERTIFICATION			N/C
13E-001	STANDARD OIL PAN			STD
105-001	ENGINE MOUNTED OIL CHECK AND FILL			STD
133-004	ONE PIECE VALVE COVER			STD
014-099	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER			STD
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE			STD
292-1D8	(2) ALLIANCE MODEL 1131, GROUP 31, 12 VOLT MAINTENANCE FREE 1900 CCA THREADED STUD BATTERIES, NON FCCC ONLY			STD
290-017	BATTERY BOX FRAME MOUNTED			STD
281-001	STANDARD BATTERY JUMPERS			STD
282-001	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN			STD
289-001	NON-POLISHED BATTERY BOX COVER			STD
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE			STD
108-002	STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR			STD
131-013	AIR COMPRESSOR DISCHARGE LINE			STD
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM			STD
016-1C3	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE			STD
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH			STD
239-001	STANDARD EXHAUST SYSTEM LENGTH			STD
237-052	RH STANDARD HORIZONTAL TAILPIPE			STD
23U-001	6 GALLON DIESEL EXHAUST FLUID TANK			STD
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL			STD
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION			STD
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING			STD
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP			STD
273-035	HORTON HT650 FRONTAL AIR ON/OFF ENGINE FAN CLUTCH			STD
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED			STD
110-003	CUMMINS SPIN ON FUEL FILTER			STD
118-001	FULL FLOW OIL FILTER			STD
266-078	950 SQUARE INCH ALUMINUM RADIATOR			STD
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT			STD
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT			STD
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES			STD
270-016	RADIATOR DRAIN VALVE			STD
168-002	LOWER RADIATOR GUARD			STD
138-010	PHILLIPS-TEMRO 750 WATT/115 VOLT BLOCK HEATER	4		\$108.00



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Data Code	Description	Weight Front	Weight Rear	Retail Price
140-053	BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR			N/C
134-001	ALUMINUM FLYWHEEL HOUSING			STD
132-004	ELECTRIC GRID AIR INTAKE WARMER			STD
155-057	DELCO 12V 29MT STARTER WITH INTEGRATED MAGNETIC SWITCH			STD

### Transmission

342-1MM	ALLISON 2200 RDS AUTOMATIC TRANSMISSION WITH PARK PAWL WITH PTO PROVISION			\$859.00
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### Transmission Equipment

343-301	ALLISON VOCATIONAL PACKAGE 354 - AVAILABLE ON 1000/2000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, EVS, HS, MH, PTS AND SPS			STD
84B-012	ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES			N/C
84C-003	PRIMARY MODE GEARS, 5 FORWARD GEARS WITH MANUAL SELECTION FOR 3, 2 AND 1, AVAILABLE FOR 1000/2000 PRODUCT FAMILIES ONLY			STD
84E-000	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84F-000	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84G-000	PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84H-000	SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84L-000	LOAD BASED SHIFT SCHEDULE AND VEHICLE ACCELERATION CONTROL RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED VOCATIONAL USAGE			STD
84N-000	NEUTRAL AT STOP - DISABLED, FUELSENSE - DISABLED			STD
84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES			STD
362-1BU	CUSTOMER INSTALLED CHELSEA 230/231/236 SERIES PTO			N/C
363-001	PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION			N/C



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Data Code	Description	Weight Front	Weight Rear	Retail Price
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN			STD
345-074	DASH MOUNTED T-HANDLE CABLE SHIFT CONTROL WITH PARK POSITION FOR INTERNAL PARK PAWL			N/C
97G-006	TRANSMISSION PROGNOSTICS - DISABLED (N/A) 2013, FOR USE IN 1000/2000 ONLY			STD
370-015	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK			STD
346-001	TRANSMISSION OIL CHECK AND FILL			STD
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)			STD

### Front Axle and Equipment

400-1A5	DETROIT DA-F-10.0-3 10,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE			N/C
402-021	MERITOR 15X5 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES			\$140.00
403-002	NON-ASBESTOS FRONT BRAKE LINING			STD
419-015	MERITOR CAST IRON FRONT BRAKE DRUMS	-10		(\$18.00)
409-021	SKF SCOTSEAL PLUS XL FRONT OIL SEALS			STD
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL			STD
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES			STD
405-002	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS			STD
536-050	TRW THP-60 POWER STEERING			STD
539-003	POWER STEERING PUMP			STD
534-015	2 QUART SEE THROUGH POWER STEERING RESERVOIR			STD
40T-002	SYNTHETIC 75W-90 FRONT AXLE LUBE			\$11.00

### Front Suspension

620-062	10,000# TAPERLEAF FRONT SUSPENSION			\$21.00
619-005	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION			STD
62H-998	NO FRONT SUSPENSION SPRING BRACKET OPTIONS			STD
410-001	FRONT SHOCK ABSORBERS			STD

### Rear Axle and Equipment

420-1C6	DETROIT DA-RS-17.5-2 17,500# R-SERIES SINGLE REAR AXLE		-170	(\$360.00)
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421-478	4.78 REAR AXLE RATIO			N/C
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING			STD
386-073	MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES			STD
423-020	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES			STD
433-002	NON-ASBESTOS REAR BRAKE LINING			STD
434-011	BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)			N/C
451-023	CONMET CAST IRON REAR BRAKE DRUMS			STD
440-021	SKF SCOTSEAL PLUS XL REAR OIL SEALS			STD
426-074	HALDEX GOLDSEAL LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS			STD
428-002	MERITOR AUTOMATIC REAR SLACK ADJUSTERS			STD
41T-001	ORGANIC SAE 80/90 REAR AXLE LUBE			STD

### Rear Suspension

622-1ME	18,000# 52 INCH VARIABLE RATE MULTI-LEAF SPRING REAR SUSPENSION WITH LEAF SPRING HELPER		90	(\$1,620.00)
621-001	SPRING SUSPENSION - NO AXLE SPACERS			N/C
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP			STD

### Brake System

018-002	AIR BRAKE PACKAGE			STD
490-100	WABCO 4S/4M ABS WITHOUT TRACTION CONTROL			STD
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES			STD
904-001	FIBER BRAID PARKING BRAKE HOSE			STD
412-001	STANDARD BRAKE SYSTEM VALVES			STD
46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM			STD
413-002	STD U.S. FRONT BRAKE VALVE			STD
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE			STD
480-083	WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER			STD
479-015	AIR DRYER FRAME MOUNTED			STD
460-001	STEEL AIR BRAKE RESERVOIRS			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
477-001	PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS			STD
<b>Trailer Connections</b>				
335-004	UPGRADED CHASSIS MULTIPLEXING UNIT			STD
32A-002	UPGRADED BULKHEAD MULTIPLEXING UNIT			STD
30L-998	NO HIGH CURRENT TRAILER/BODY CABLE			STD
<b>Wheelbase &amp; Frame</b>				
545-487	4875MM (192 INCH) WHEELBASE			N/C
546-092	11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8/0.344X10.94 INCH) 80KSI	120	120	\$557.00
552-014	1900MM (75 INCH) REAR FRAME OVERHANG			N/C
55W-007	FRAME OVERHANG RANGE: 71 INCH TO 80 INCH	-20	90	N/C
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 126.45 in			
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 123.45 in			
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 296.39			
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 126.45 in			
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 123.56 in			N/C
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 93.58 in			N/C
553-001	SQUARE END OF FRAME			STD
550-001	FRONT CLOSING CROSSMEMBER			STD
559-001	STANDARD WEIGHT ENGINE CROSSMEMBER			STD
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)			STD
572-001	STANDARD REAR MOST CROSSMEMBER			STD
565-001	STANDARD SUSPENSION CROSSMEMBER			STD
<b>Chassis Equipment</b>				
556-1AN	THREE-PIECE 14 INCH STEEL CENTER BUMPER WITH FLEXIBLE PLASTIC ENDS			STD
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE			STD
586-024	FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS			STD
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS			STD
<b>Fuel Tanks</b>				
206-192	50 GALLON/189 LITER RECTANGULAR ALUMINUM FUEL TANK - RH	80	20	\$820.00



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Data Code	Description	Weight Front	Weight Rear	Retail Price
204-192	50 GALLON/189 LITER RECTANGULAR ALUMINUM FUEL TANK - LH	20		\$31.00
218-005	RECTANGULAR FUEL TANK(S)			STD
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS			STD
212-014	LH FUEL TANK MOUNTED FORWARD, RH FUEL TANK MOUNTED AFT	-35	35	N/C
664-001	PLAIN STEP FINISH			STD
205-001	FUEL TANK CAP(S)			STD
122-084	ALLIANCE FUEL FILTER/WATER SEPARATOR WITH PRIMER PUMP			STD
216-020	EQUIFLO INBOARD FUEL SYSTEM			STD
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE			STD

### Tires

093-2C5	HANKOOK AL11 11R22.5 14 PLY RADIAL FRONT TIRES	8		(\$292.00)
094-2EU	HANKOOK DH06 11R22.5 14 PLY RADIAL REAR TIRES		64	(\$600.00)

### Hubs

418-056	CONMET PRESET PLUS IRON FRONT HUBS			STD
450-056	CONMET PRESET PLUS IRON REAR HUBS			STD

### Wheels

502-1F2	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC FRONT WHEELS			STD
505-1F2	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC REAR WHEELS			STD
511-1F2	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC SPARE WHEEL		70	\$138.00
496-011	FRONT WHEEL MOUNTING NUTS			STD
497-011	REAR WHEEL MOUNTING NUTS			STD

### Cab Exterior

829-071	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB			STD
650-009	RUBBER CAB MOUNTS			STD
678-001	LH AND RH GRAB HANDLES			STD
646-009	PAINTED PLASTIC GRILLE			STD
65X-001	ARGENT SILVER HOOD MOUNTED AIR INTAKE GRILLE			STD



Prepared for:  
 Ds J T  
 State of Michigan  
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 Phone: 517-334-7763

Prepared by:  
 Edward Merrill  
 D & K TRUCK COMPANY  
 3020 Snow Rd  
 LANSING, MI 48917  
 Phone: (517) 484-1905 Ext. 129

Data Code	Description	Weight Front	Weight Rear	Retail Price
644-004	FIBERGLASS HOOD			STD
726-001	SINGLE ELECTRIC HORN			STD
657-1CV	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME WITH (4) KEYS			\$19.00
575-001	REAR LICENSE PLATE MOUNT END OF FRAME			STD
312-043	INTEGRAL HEADLIGHT/MARKER ASSEMBLY			STD
302-001	(5) AMBER MARKER LIGHTS			STD
294-001	INTEGRAL STOP/TAIL/BACKUP LIGHTS			STD
300-015	STANDARD FRONT TURN SIGNAL LAMPS			STD
744-1BN	DUAL WEST COAST BRIGHT FINISH MIRRORS			\$95.00
797-001	DOOR MOUNTED MIRRORS			STD
796-001	102 INCH EQUIPMENT WIDTH			STD
743-204	LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS			N/C
729-001	STANDARD SIDE/REAR REFLECTORS			STD
768-043	63X14 INCH TINTED REAR WINDOW			STD
661-003	TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS			STD
654-003	MANUAL DOOR WINDOW REGULATORS			STD
663-013	TINTED WINDSHIELD			STD
659-019	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED			STD

### Cab Interior

707-1AM	OPAL GRAY CLOTH INTERIOR			STD
706-013	MOLDED PLASTIC DOOR PANEL			STD
708-013	MOLDED PLASTIC DOOR PANEL			STD
772-006	BLACK MATS WITH SINGLE INSULATION			STD
691-008	FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING			STD
694-010	IN DASH STORAGE BIN			STD
742-007	(2) CUP HOLDERS LH AND RH DASH			STD
680-006	GRAY/CHARCOAL FLAT DASH			STD
700-002	HEATER, DEFROSTER AND AIR CONDITIONER			STD
701-001	STANDARD HVAC DUCTING			STD
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH			STD
170-015	STANDARD HEATER PLUMBING			STD





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Data Code	Description	Weight Front	Weight Rear	Retail Price
130-033	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR			STD
702-002	BINARY CONTROL, R-134A			STD
739-033	STANDARD INSULATION			STD
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES			STD
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM			STD
324-014	DOME LIGHT WITH 3-WAY SWITCH ACTIVATED BY LH AND RH DOORS			STD
655-001	CAB DOOR LATCHES WITH MANUAL DOOR LOCKS			STD
284-023	(1) 12 VOLT POWER SUPPLY IN DASH			\$16.00
756-1J3	BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	30		\$212.00
760-235	2 MAN TOOL BOX MID BACK NON SUSPENSION PASSENGER SEAT	20		\$250.00
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS			STD
758-036	VINYL WITH VINYL INSERT DRIVER SEAT			STD
761-036	VINYL WITH VINYL INSERT PASSENGER SEAT			STD
763-101	BLACK SEAT BELTS			STD
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10		\$478.00
540-015	4-SPOKE 18 INCH (450MM) STEERING WHEEL			STD
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS			STD

### Instruments & Controls

732-004	GRAY DRIVER INSTRUMENT PANEL			STD
734-004	GRAY CENTER INSTRUMENT PANEL			STD
870-001	BLACK GAUGE BEZELS			STD
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM			STD
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES			STD
198-025	INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS			STD
149-013	ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL			STD
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY			STD
811-042	ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH			STD
844-001	2 INCH ELECTRIC FUEL GAUGE			STD
148-003	PROGRAMMABLE RPM CONTROL - ELECTRONIC ENGINE			STD
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE			STD
864-005	TRANSMISSION OIL TEMPERATURE INDICATOR LIGHT			STD
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY			STD
372-051	CUSTOMER FURNISHED AND INSTALLED PTO CONTROLS			N/C
73B-998	NO LANE DEPARTURE WARNING SYSTEM			STD
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE			STD
746-114	AM/FM/WB WORLD TUNER RADIO WITH AUXILIARY INPUT, J1939	10		\$274.00
747-001	DASH MOUNTED RADIO			N/C
750-002	(2) RADIO SPEAKERS IN CAB			N/C
753-001	AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF	2		N/C
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER			STD
817-001	STANDARD VEHICLE SPEED SENSOR			STD
812-001	ELECTRONIC 3000 RPM TACHOMETER			STD
8D1-998	NO DIRECT CONNECT			STD
8Z1-998	NO ZONAR SYSTEMS (SCO)			STD
162-011	IDLE LIMITER, ELECTRONIC ENGINE			STD
329-091	(6) IGN CONTROLLED EXTRA SWITCHES WITH IND LIGHTS WIRED TO POWER DIST BOX WITH RELAYS PROVIDING 20 AMPS PER CIRCUIT TO JUNCTION BLOCK AND 1 CIRCUIT AT 30 AMPS			\$464.00
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY			STD
660-008	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY			STD
304-001	MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH			STD
882-009	ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
299-013	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE			STD
298-039	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS			STD
869-998	NO MISCELLANEOUS GAUGES			STD
<b>Design</b>				
065-000	PAINT: ONE SOLID COLOR			STD
<b>Color</b>				
980-4B7	CAB COLOR A: N0789EA OMAHA ORANGE ELITE SS			N/C
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT			STD
98K-998	NO FUEL TANK CABINET PAINT			STD
962-972	POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)			STD
966-972	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)			STD
96F-972	POWDER WHITE (N0006EA) SPARE WHEEL/RIM (PKWHT21, TKWHT21, W, TW)			N/C
964-6Z7	BUMPER PAINT: FP24812 ARGENT SILVER DUPONT FLEX			STD
963-003	STANDARD E COAT/UNDERCOATING			STD
<b>Certification / Compliance</b>				
996-001	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS			STD

**T O T A L V E H I C L E S U M M A R Y**

**Adjusted List Price**

Adjusted List Price \*\* \$100,219.00

**Weight Summary**

	Weight Front	Weight Rear	Total Weight
Factory Weight <sup>+</sup>	5998 lbs	3822 lbs	9820 lbs



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Total Weight <sup>+</sup>	5998 lbs	3822 lbs	9820 lbs
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**ITEMS NOT INCLUDED IN ADJUSTED LIST PRICE**

**Other Factory Charges**

PMU-016	2016 OBD/2010 EPA/CARB/GHG14 ESCALATOR	\$300.00
RD1-998	NO DETROIT CONNECT	STD
P73-2FT	STANDARD DESTINATION CHARGE	\$2,000.00

(+) Weights shown are estimates only.

If weight is critical, contact Customer Application Engineering.

(\*\*) Prices shown do not include taxes, fees, etc... "Net Equipment Selling Price" is located on the Quotation Details Proposal Report.



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## Q U O T A T I O N

### M2 106 CONVENTIONAL CHASSIS

SET BACK AXLE - TRUCK CUM ISB 6.7-200 200 HP @ 2300 RPM, 2600 GOV, 520 LB/FT @ 1600 RPM ALLISON 2200 RDS AUTOMATIC TRANSMISSION WITH PARK PAWL WITH PTO PROVISION DETROIT DA-RS-17.5-2 17,500# R-SERIES SINGLE REAR AXLE 18,000# 52 INCH VARIABLE RATE MULTI-LEAF SPRING REAR SUSPENSION WITH LEAF SPRING HELPER	DETROIT DA-F-10.0-3 10,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE 10,000# TAPERLEAF FRONT SUSPENSION 106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB 4875MM (192 INCH) WHEELBASE 11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8/0.344X10.94 INCH) 80KSI 1900MM (75 INCH) REAR FRAME OVERHANG
--	--

			<b>PER UNIT</b>		<b>TOTAL</b>
VEHICLE PRICE	<b>TOTAL # OF UNITS (1)</b>	\$	55,522	\$	55,522
		\$	0	\$	0
		\$	0	\$	0
<b>CUSTOMER PRICE</b>		<b>\$</b>	<b>55,522</b>	<b>\$</b>	<b>55,522</b>

**COMMENTS:**

Projected delivery on \_\_\_ / \_\_\_ / \_\_\_ provided the order is received before \_\_\_ / \_\_\_ / \_\_\_.

**APPROVAL:**

Please indicate your acceptance of this quotation by signing below:

Customer: X \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_.



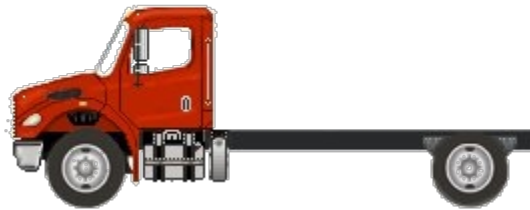
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*A proposal for*  
**State of Michigan- 160D "A"**

*Prepared by*  
**D & K TRUCK COMPANY**  
*Edward Merrill*  
*Mar 28, 2017*

**Freightliner M2 106**



Components shown may not reflect all spec'd options and are not to scale



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## S P E C I F I C A T I O N P R O P O S A L

Data Code	Description	Weight Front	Weight Rear
<b>Price Level</b>			
PRL-15M	M2 PRL-15M (EFF:10/25/16)		
<b>Data Version</b>			
DRL-017	SPECPRO21 DATA RELEASE VER 017		
<b>Vehicle Configuration</b>			
001-172	M2 106 CONVENTIONAL CHASSIS	5,759	3,503
004-218	2018 MODEL YEAR SPECIFIED		
002-004	SET BACK AXLE - TRUCK		
019-002	STRAIGHT TRUCK PROVISION		
003-001	LH PRIMARY STEERING LOCATION		
<b>General Service</b>			
AA1-002	TRUCK CONFIGURATION		
AA6-002	DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
A85-010	UTILITY/REPAIR/MAINTENANCE SERVICE		
A84-1GM	GOVERNMENT BUSINESS SEGMENT		
AA4-011	FIXED LOAD COMMODITY		
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS		
AB1-008	MAXIMUM 8% EXPECTED GRADE		
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
995-091	MEDIUM TRUCK WARRANTY		
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 12000.0 lbs		
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 21000.0 lbs		
A67-99D	EXPECTED PUSHER AXLE(S) LOAD : 0.0 lbs		
A69-99D	EXPECTED TAG AXLE(S) LOAD : 0.0 lbs		
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 33000.0 lbs		



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Data Code	Description	Weight Front	Weight Rear
A70-99D	EXPECTED GROSS COMBINATION WEIGHT : 0.0 lbs		
<b>Truck Service</b>			
AA3-005	FLATBED/PLATFORM/STAKE BODY		
AF7-99D	EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in		
<b>Engine</b>			
101-21X	CUM B6.7 300 HP @ 2600 RPM, 2600 GOV, 660 LB/FT @ 1600 RPM		
<b>Electronic Parameters</b>			
79A-075	75 MPH ROAD SPEED LIMIT		
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
79K-007	PTO MODE ENGINE RPM LIMIT - 1100 RPM		
79P-002	PTO RPM WITH CRUISE SET SWITCH - 700 RPM		
79Q-003	PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM		
79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH		
79U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND		
80G-002	PTO MINIMUM RPM - 700		
80J-002	REGEN INHIBIT SPEED THRESHOLD - 5 MPH		
<b>Engine Equipment</b>			
99C-017	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION		
99D-010	NO 2008 CARB EMISSION CERTIFICATION		
13E-001	STANDARD OIL PAN		
105-001	ENGINE MOUNTED OIL CHECK AND FILL		
133-004	ONE PIECE VALVE COVER		
014-099	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER		
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE		
292-098	(2) ALLIANCE MODEL 1231, GROUP 31, 12 VOLT MAINTENANCE FREE 2250 CCA THREADED STUD BATTERIES		
290-017	BATTERY BOX FRAME MOUNTED		
281-001	STANDARD BATTERY JUMPERS		
282-001	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB		





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<b>Data Code</b>	<b>Description</b>	<b>Weight Front</b>	<b>Weight Rear</b>
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
289-001	NON-POLISHED BATTERY BOX COVER		
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE		
108-002	STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR		
131-013	AIR COMPRESSOR DISCHARGE LINE		
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
016-1C3	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE		
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH		
239-001	STANDARD EXHAUST SYSTEM LENGTH		
237-052	RH STANDARD HORIZONTAL TAILPIPE		
23U-001	6 GALLON DIESEL EXHAUST FLUID TANK		
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL		
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING		
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP		
273-035	HORTON HT650 FRONTAL AIR ON/OFF ENGINE FAN CLUTCH		
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED		
110-003	CUMMINS SPIN ON FUEL FILTER		
118-001	FULL FLOW OIL FILTER		
266-078	950 SQUARE INCH ALUMINUM RADIATOR		
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT		
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		
270-016	RADIATOR DRAIN VALVE		
168-002	LOWER RADIATOR GUARD		
138-010	PHILLIPS-TEMRO 750 WATT/115 VOLT BLOCK HEATER	4	



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Data Code	Description	Weight Front	Weight Rear
140-053	BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		
134-001	ALUMINUM FLYWHEEL HOUSING		
132-004	ELECTRIC GRID AIR INTAKE WARMER		
155-057	DELCO 12V 29MT STARTER WITH INTEGRATED MAGNETIC SWITCH		
<b>Transmission</b>			
342-584	ALLISON 3500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	200	60
<b>Transmission Equipment</b>			
343-339	ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV		
84B-012	ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES		
84C-023	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84D-023	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84E-000	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84F-000	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84G-000	PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84H-000	SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84L-000	LOAD BASED SHIFT SCHEDULE AND VEHICLE ACCELERATION CONTROL RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED VOCATIONAL USAGE		
84N-000	NEUTRAL AT STOP - DISABLED, FUELSENSE - DISABLED		
84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES		
362-035	CUSTOMER INSTALLED CHELSEA 277 SERIES PTO		



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Data Code	Description	Weight Front	Weight Rear
363-001	PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION		
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN		
345-003	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED		
97G-004	TRANSMISSION PROGNOSTICS - ENABLED 2013		
370-015	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK		
346-003	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK		
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		

### Front Axle and Equipment

400-1A6	DETROIT DA-F-12.0-3 12,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE		
402-021	MERITOR 15X5 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
403-002	NON-ASBESTOS FRONT BRAKE LINING		
419-015	MERITOR CAST IRON FRONT BRAKE DRUMS	-10	
427-001	FRONT BRAKE DUST SHIELDS	5	
409-021	SKF SCOTSEAL PLUS XL FRONT OIL SEALS		
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL		
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES		
405-002	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS		
536-050	TRW THP-60 POWER STEERING		
539-003	POWER STEERING PUMP		
534-015	2 QUART SEE THROUGH POWER STEERING RESERVOIR		
40T-002	SYNTHETIC 75W-90 FRONT AXLE LUBE		

### Front Suspension

620-1F0	12,000# DUAL TAPERLEAF FRONT SUSPENSION	42	
619-005	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION		
62H-998	NO FRONT SUSPENSION SPRING BRACKET OPTIONS		
410-001	FRONT SHOCK ABSORBERS		

### Rear Axle and Equipment



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Data Code	Description	Weight Front	Weight Rear
420-1C8	DETROIT DA-RS-21.0-4 21,000# R-SERIES SINGLE REAR AXLE		
421-614	6.14 REAR AXLE RATIO		
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
386-073	MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES		
423-020	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
433-002	NON-ASBESTOS REAR BRAKE LINING		
434-011	BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)		
451-023	CONMET CAST IRON REAR BRAKE DRUMS		
425-002	REAR BRAKE DUST SHIELDS		
440-021	SKF SCOTSEAL PLUS XL REAR OIL SEALS		
426-074	HALDEX GOLDSEAL LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS		
428-002	MERITOR AUTOMATIC REAR SLACK ADJUSTERS		
41T-001	ORGANIC SAE 80/90 REAR AXLE LUBE		
<b>Rear Suspension</b>			
622-1MG	21,000# 52 INCH VARIABLE RATE MULTI-LEAF SPRING REAR SUSPENSION WITH LEAF SPRING HELPER		100
621-001	SPRING SUSPENSION - NO AXLE SPACERS		
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP		
439-001	REAR SHOCK ABSORBERS - ONE AXLE		40
<b>Brake System</b>			
018-002	AIR BRAKE PACKAGE		
490-100	WABCO 4S/4M ABS WITHOUT TRACTION CONTROL		
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES		
904-001	FIBER BRAID PARKING BRAKE HOSE		
412-001	STANDARD BRAKE SYSTEM VALVES		
46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM		
413-002	STD U.S. FRONT BRAKE VALVE		
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE		



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Data Code	Description	Weight Front	Weight Rear
480-083	WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER		
479-015	AIR DRYER FRAME MOUNTED		
460-001	STEEL AIR BRAKE RESERVOIRS		
477-001	PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS		
<b>Trailer Connections</b>			
335-004	UPGRADED CHASSIS MULTIPLEXING UNIT		
32A-002	UPGRADED BULKHEAD MULTIPLEXING UNIT		
30L-998	NO HIGH CURRENT TRAILER/BODY CABLE		
<b>Wheelbase &amp; Frame</b>			
545-487	4875MM (192 INCH) WHEELBASE		
546-092	11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8/0.344X10.94 INCH) 80KSI	120	120
552-014	1900MM (75 INCH) REAR FRAME OVERHANG		
55W-007	FRAME OVERHANG RANGE: 71 INCH TO 80 INCH	-20	90
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 126.45 in		
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 123.45 in		
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 296.39		
553-001	SQUARE END OF FRAME		
550-001	FRONT CLOSING CROSSMEMBER		
559-001	STANDARD WEIGHT ENGINE CROSSMEMBER		
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)		
572-001	STANDARD REARMOST CROSSMEMBER		
565-001	STANDARD SUSPENSION CROSSMEMBER		
<b>Chassis Equipment</b>			
556-1AN	THREE-PIECE 14 INCH STEEL CENTER BUMPER WITH FLEXIBLE PLASTIC ENDS		
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE		
586-024	FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS		
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS		
<b>Fuel Tanks</b>			
206-192	50 GALLON/189 LITER RECTANGULAR ALUMINUM FUEL TANK - RH	80	20



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Data Code	Description	Weight Front	Weight Rear
204-192	50 GALLON/189 LITER RECTANGULAR ALUMINUM FUEL TANK - LH	20	
218-005	RECTANGULAR FUEL TANK(S)		
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
212-014	LH FUEL TANK MOUNTED FORWARD, RH FUEL TANK MOUNTED AFT	-35	35
664-001	PLAIN STEP FINISH		
205-001	FUEL TANK CAP(S)		
122-1J1	DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR, HAND PRIMER AND 12 VOLT PREHEATER"	-5	
216-020	EQUIFLO INBOARD FUEL SYSTEM		
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
<b>Tires</b>			
093-2G9	BRIDGESTONE ECOPIA R268 11R22.5 14 PLY RADIAL FRONT TIRES	12	
094-1DK	BF GOODRICH DR444 11R22.5 14 PLY RADIAL REAR TIRES		32
<b>Hubs</b>			
418-056	CONMET PRESET PLUS IRON FRONT HUBS		
450-056	CONMET PRESET PLUS IRON REAR HUBS		
<b>Wheels</b>			
502-1F2	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC FRONT WHEELS		
505-1F2	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC REAR WHEELS		
511-1F2	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC SPARE WHEEL		70
496-011	FRONT WHEEL MOUNTING NUTS		
497-011	REAR WHEEL MOUNTING NUTS		
<b>Cab Exterior</b>			
829-071	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB		
650-008	AIR CAB MOUNTS		
678-001	LH AND RH GRAB HANDLES		
646-009	PAINTED PLASTIC GRILLE		
65X-001	ARGENT SILVER HOOD MOUNTED AIR INTAKE GRILLE		



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Data Code	Description	Weight Front	Weight Rear
644-004	FIBERGLASS HOOD		
727-066	DUAL 26 INCH RECTANGULAR POLISHED ALUMINUM AIR HORNS ROOF MOUNTED	8	
726-001	SINGLE ELECTRIC HORN		
728-002	DUAL HORN SHIELDS		
657-1CV	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME WITH (4) KEYS		
575-001	REAR LICENSE PLATE MOUNT END OF FRAME		
312-043	INTEGRAL HEADLIGHT/MARKER ASSEMBLY		
302-001	(5) AMBER MARKER LIGHTS		
294-001	INTEGRAL STOP/TAIL/BACKUP LIGHTS		
300-015	STANDARD FRONT TURN SIGNAL LAMPS		
744-1BN	DUAL WEST COAST BRIGHT FINISH MIRRORS		
797-001	DOOR MOUNTED MIRRORS		
796-001	102 INCH EQUIPMENT WIDTH		
743-204	LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS		
729-001	STANDARD SIDE/REAR REFLECTORS		
768-043	63X14 INCH TINTED REAR WINDOW		
661-003	TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS		
654-003	MANUAL DOOR WINDOW REGULATORS		
663-013	TINTED WINDSHIELD		
659-019	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED		

### Cab Interior

707-1AM	OPAL GRAY CLOTH INTERIOR
706-013	MOLDED PLASTIC DOOR PANEL
708-013	MOLDED PLASTIC DOOR PANEL
772-006	BLACK MATS WITH SINGLE INSULATION
691-008	FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING
694-010	IN DASH STORAGE BIN
742-007	(2) CUP HOLDERS LH AND RH DASH
680-006	GRAY/CHARCOAL FLAT DASH
700-002	HEATER, DEFROSTER AND AIR CONDITIONER
701-001	STANDARD HVAC DUCTING



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Data Code	Description	Weight Front	Weight Rear
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
170-015	STANDARD HEATER PLUMBING		
130-033	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR		
702-002	BINARY CONTROL, R-134A		
739-033	STANDARD INSULATION		
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES		
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM		
324-014	DOME LIGHT WITH 3-WAY SWITCH ACTIVATED BY LH AND RH DOORS		
655-001	CAB DOOR LATCHES WITH MANUAL DOOR LOCKS		
284-023	(1) 12 VOLT POWER SUPPLY IN DASH		
756-1J3	BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	30	
760-235	2 MAN TOOL BOX MID BACK NON SUSPENSION PASSENGER SEAT	20	
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS		
758-036	VINYL WITH VINYL INSERT DRIVER SEAT		
761-036	VINYL WITH VINYL INSERT PASSENGER SEAT		
763-101	BLACK SEAT BELTS		
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10	
540-015	4-SPOKE 18 INCH (450MM) STEERING WHEEL		
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS		

### Instruments & Controls

732-004	GRAY DRIVER INSTRUMENT PANEL		
734-004	GRAY CENTER INSTRUMENT PANEL		
87L-001	ENGINE REMOTE INTERFACE WITH PARK BRAKE INTERLOCK		
870-001	BLACK GAUGE BEZELS		
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM		
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES		
198-025	INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS		
149-013	ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL		





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Data Code	Description	Weight Front	Weight Rear
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY		
811-042	ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED		
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH		
844-001	2 INCH ELECTRIC FUEL GAUGE		
148-070	ENGINE REMOTE INTERFACE WITH PRESET FAST IDLE		
163-001	ENGINE REMOTE INTERFACE CONNECTOR AT BACK OF CAB		
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
864-005	TRANSMISSION OIL TEMPERATURE INDICATOR LIGHT		
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		
372-051	CUSTOMER FURNISHED AND INSTALLED PTO CONTROLS		
73B-998	NO LANE DEPARTURE WARNING SYSTEM		
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE		
746-114	AM/FM/WB WORLD TUNER RADIO WITH AUXILIARY INPUT, J1939	10	
747-001	DASH MOUNTED RADIO		
750-002	(2) RADIO SPEAKERS IN CAB		
753-001	AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF	2	
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		
817-001	STANDARD VEHICLE SPEED SENSOR		
812-001	ELECTRONIC 3000 RPM TACHOMETER		
8D1-998	NO DIRECT CONNECT		
8Z1-998	NO ZONAR SYSTEMS (SCO)		
162-011	IDLE LIMITER, ELECTRONIC ENGINE		
329-091	(6) IGN CONTROLLED EXTRA SWITCHES WITH IND LIGHTS WIRED TO POWER DIST BOX WITH RELAYS PROVIDING 20 AMPS PER CIRCUIT TO JUNCTION BLOCK AND 1 CIRCUIT AT 30 AMPS		
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		
660-008	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY		



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Data Code	Description	Weight Front	Weight Rear
304-001	MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH		
882-009	ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR		
299-013	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE		
298-039	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS		
869-998	NO MISCELLANEOUS GAUGES		

### Design

065-000	PAINT: ONE SOLID COLOR		
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### Color

980-4B7	CAB COLOR A: N0789EA OMAHA ORANGE ELITE SS		
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT		
98K-998	NO FUEL TANK CABINET PAINT		
962-972	POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)		
966-972	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)		
96F-972	POWDER WHITE (N0006EA) SPARE WHEEL/RIM (PKWHT21, TKWHT21, W, TW)		
964-6Z7	BUMPER PAINT: FP24812 ARGENT SILVER DUPONT FLEX		
963-003	STANDARD E COAT/UNDERCOATING		

### Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight <sup>+</sup>	6252 lbs	4070 lbs	10322 lbs

(+) Weights shown are estimates only.  
 If weight is critical, contact Customer Application Engineering.



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## Q U O T A T I O N

### M2 106 CONVENTIONAL CHASSIS

SET BACK AXLE - TRUCK CUM B6.7 300 HP @ 2600 RPM, 2600 GOV, 660 LB/FT @ 1600 RPM ALLISON 3500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION DETROIT DA-RS-21.0-4 21,000# R-SERIES SINGLE REAR AXLE 21,000# 52 INCH VARIABLE RATE MULTI-LEAF SPRING REAR SUSPENSION WITH LEAF SPRING HELPER	DETROIT DA-F-12.0-3 12,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE 12,000# DUAL TAPERLEAF FRONT SUSPENSION 106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB 4875MM (192 INCH) WHEELBASE 11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8/0.344X10.94 INCH) 80KSI 1900MM (75 INCH) REAR FRAME OVERHANG
--	---

			PER UNIT		TOTAL
VEHICLE PRICE	TOTAL # OF UNITS (1)	\$	67,185	\$	67,185
		\$	0	\$	0
		\$	0	\$	0
<b>CUSTOMER PRICE BEFORE TAX</b>		<b>\$</b>	<b>67,185</b>	<b>\$</b>	<b>67,185</b>

### TAXES AND FEES

TAXES AND FEES	\$	0	\$	0
OTHER CHARGES	\$	0	\$	0

<b>BALANCE DUE</b>			<b>(LOCAL CURRENCY) \$</b>	<b>67,185</b>	<b>\$</b>	<b>67,185</b>
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**COMMENTS:**

Projected delivery on \_\_\_ / \_\_\_ / \_\_\_ provided the order is received before \_\_\_ / \_\_\_ / \_\_\_.

**APPROVAL:**

Please indicate your acceptance of this quotation by signing below:

Customer: X \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_.



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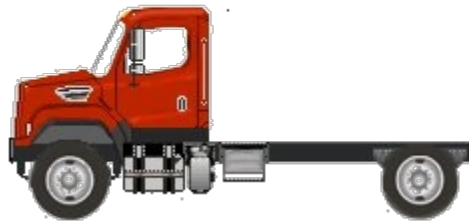
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*A proposal for*  
**State of Michigan-160D-B**

*Prepared by*  
**D & K TRUCK COMPANY**  
*Edward Merrill*

*Mar 21, 2017*

**Freightliner 108SD**



Components shown may not reflect all spec'd options and are not to scale



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## S P E C I F I C A T I O N P R O P O S A L

Data Code	Description	Weight Front	Weight Rear	Retail Price
<b>Price Level</b>				
PRL-15D	SD PRL-15D (EFF:10/25/16)			STD
<b>Data Version</b>				
DRL-016	SPECPRO21 DATA RELEASE VER 016			N/C
<b>Vehicle Configuration</b>				
001-176	108SD CONVENTIONAL CHASSIS	6,829	3,748	\$120,630.00
004-218	2018 MODEL YEAR SPECIFIED			N/C
002-004	SET BACK AXLE - TRUCK			STD
019-002	STRAIGHT TRUCK PROVISION			STD
003-001	LH PRIMARY STEERING LOCATION			STD
<b>General Service</b>				
AA1-002	TRUCK CONFIGURATION			STD
AA6-002	DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)			STD
A85-011	CONSTRUCTION SERVICE			STD
A84-1CO	CONSTRUCTION BUSINESS SEGMENT			STD
AA4-003	DRY BULK COMMODITY			STD
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS			STD
AB1-008	MAXIMUM 8% EXPECTED GRADE			STD
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE			STD
995-1A0	FREIGHTLINER SD VOCATIONAL WARRANTY			STD
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 12000.0 lbs			
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 21000.0 lbs			
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 33000.0 lbs			
<b>Truck Service</b>				
AA3-005	FLATBED/PLATFORM/STAKE BODY			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
<b>Engine</b>				
101-21X	CUM B6.7 300 HP @ 2600 RPM, 2600 GOV, 660 LB/FT @ 1600 RPM	-640	-30	(\$3,345.00)
<b>Electronic Parameters</b>				
79A-075	75 MPH ROAD SPEED LIMIT			N/C
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT			N/C
79P-002	PTO RPM WITH CRUISE SET SWITCH - 700 RPM			N/C
79Q-003	PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM			N/C
79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH			N/C
79U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND			N/C
80G-002	PTO MINIMUM RPM - 700			N/C
80J-002	REGEN INHIBIT SPEED THRESHOLD - 5 MPH			N/C
<b>Engine Equipment</b>				
99C-017	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION			N/C
99D-010	NO 2008 CARB EMISSION CERTIFICATION			STD
PMT-998	NO 2013 ENGINE ESCALATOR			N/C
13E-001	STANDARD OIL PAN			STD
105-001	ENGINE MOUNTED OIL CHECK AND FILL			STD
014-1C5	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER AND INSIDE/OUTSIDE AIR WITH SNOW DOOR	10		\$573.00
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE			STD
292-098	(2) ALLIANCE MODEL 1231, GROUP 31, 12 VOLT MAINTENANCE FREE 2250 CCA THREADED STUD BATTERIES			STD
290-017	BATTERY BOX FRAME MOUNTED			STD
281-001	STANDARD BATTERY JUMPERS			STD
282-003	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE BACK OF CAB			STD
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN			STD
289-001	NON-POLISHED BATTERY BOX COVER			STD
293-061	POSITIVE LOAD DISCONNECT WITH CONTROL SWITCH WITH LOCKING PROVISION MOUNTED OUTSIDE OF CAB	2		\$207.00



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Data Code	Description	Weight Front	Weight Rear	Retail Price
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE			STD
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM			STD
016-1C3	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE			STD
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH			STD
239-001	STANDARD EXHAUST SYSTEM LENGTH			STD
237-052	RH STANDARD HORIZONTAL TAILPIPE			STD
23U-002	13 GALLON DIESEL EXHAUST FLUID TANK			STD
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL			STD
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING			STD
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION			STD
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP			STD
273-036	BORG WARNER (KYSOR) REAR AIR ON/OFF ENGINE FAN CLUTCH			N/C
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED			STD
110-003	CUMMINS SPIN ON FUEL FILTER			STD
118-001	FULL FLOW OIL FILTER			N/C
266-028	1200 SQUARE INCH ALUMINUM RADIATOR	10		STD
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT			STD
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT			STD
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES			STD
270-016	RADIATOR DRAIN VALVE			STD
138-010	PHILLIPS-TEMRO 750 WATT/115 VOLT BLOCK HEATER	4		\$97.00
140-053	BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR			N/C
132-004	ELECTRIC GRID AIR INTAKE WARMER			STD
155-058	DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH			STD

### Transmission

342-584	ALLISON 3500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION			(\$75.00)
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Prepared for:  
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 State of Michigan  
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 Phone: 517-334-7763

Prepared by:  
 Edward Merrill  
 D & K TRUCK COMPANY  
 3020 Snow Rd  
 LANSING, MI 48917  
 Phone: (517) 484-1905 Ext. 129

Data Code	Description	Weight Front	Weight Rear	Retail Price
<b>Transmission Equipment</b>				
343-339	ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV			STD
84B-002	ALLISON VOCATIONAL RATING FOR CONCRETE MIXER APPLICATIONS ONLY AVAILABLE WITH 3000 PRODUCT FAMILIES			STD
84C-023	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			STD
84D-023	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			STD
84E-000	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84F-000	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84G-000	PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84H-000	SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84L-000	LOAD BASED SHIFT SCHEDULE AND VEHICLE ACCELERATION CONTROL RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED VOCATIONAL USAGE			STD
84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES			STD
34C-001	ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR FIREWALL MOUNTED			\$38.00
362-1BX	CHELSEA PTO - CHL230XKAJX P3XK	50		\$1,938.00
363-001	PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION			N/C
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN			STD
345-003	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED			STD
97G-004	TRANSMISSION PROGNOSTICS - ENABLED 2013			STD
370-015	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK			STD
346-003	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK			STD





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Data Code	Description	Weight Front	Weight Rear	Retail Price
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)			STD
<b>Front Axle and Equipment</b>				
400-1A6	DETROIT DA-F-12.0-3 12,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE			STD
402-020	MERITOR 15X4 Q+ CAM FRONT BRAKES			STD
403-002	NON-ASBESTOS FRONT BRAKE LINING			STD
419-023	CONMET CAST IRON FRONT BRAKE DRUMS			STD
427-001	FRONT BRAKE DUST SHIELDS	5		\$51.00
409-021	SKF SCOTSEAL PLUS XL FRONT OIL SEALS			STD
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL			STD
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES			STD
405-002	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS			STD
406-001	STANDARD KING PIN BUSHINGS			STD
536-050	TRW THP-60 POWER STEERING			STD
539-003	POWER STEERING PUMP			STD
534-015	2 QUART SEE THROUGH POWER STEERING RESERVOIR			STD
40T-001	ORGANIC SAE 80/90 FRONT AXLE LUBE			STD
<b>Front Suspension</b>				
620-1E9	12,000# MONO TAPERLEAF FRONT SUSPENSION			STD
619-005	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION			STD
62H-998	NO FRONT SUSPENSION SPRING BRACKET OPTIONS			STD
410-001	FRONT SHOCK ABSORBERS			STD
<b>Rear Axle and Equipment</b>				
420-1C8	DETROIT DA-RS-21.0-4 21,000# R-SERIES SINGLE REAR AXLE			STD
421-614	6.14 REAR AXLE RATIO			N/C
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING			STD
386-073	MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES			STD
423-020	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES			STD
433-002	NON-ASBESTOS REAR BRAKE LINING			STD



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434-019	ASPHALT SPREADER CLEARANCE REAR BRAKE GEOMETRY			N/C
451-023	CONMET CAST IRON REAR BRAKE DRUMS			STD
425-002	REAR BRAKE DUST SHIELDS		5	\$61.00
440-021	SKF SCOTSEAL PLUS XL REAR OIL SEALS			STD
426-074	HALDEX GOLDSEAL LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS			STD
428-003	HALDEX AUTOMATIC REAR SLACK ADJUSTERS			\$43.00
41T-001	ORGANIC SAE 80/90 REAR AXLE LUBE			STD
42T-001	STANDARD REAR AXLE BREATHER(S)			STD
<b>Rear Suspension</b>				
622-1MG	21,000# 52 INCH VARIABLE RATE MULTI-LEAF SPRING REAR SUSPENSION WITH LEAF SPRING HELPER		20	(\$226.00)
621-001	SPRING SUSPENSION - NO AXLE SPACERS			STD
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP			STD
<b>Brake System</b>				
490-100	WABCO 4S/4M ABS WITHOUT TRACTION CONTROL			STD
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES			STD
904-001	FIBER BRAID PARKING BRAKE HOSE			STD
412-001	STANDARD BRAKE SYSTEM VALVES			STD
46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM			STD
413-002	STD U.S. FRONT BRAKE VALVE			STD
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE			STD
480-083	WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER			STD
479-015	AIR DRYER FRAME MOUNTED			STD
460-001	STEEL AIR BRAKE RESERVOIRS			STD
477-001	PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS			STD
<b>Trailer Connections</b>				
335-004	UPGRADED CHASSIS MULTIPLEXING UNIT			STD
<b>Wheelbase &amp; Frame</b>				
545-402	4025MM (158 INCH) WHEELBASE			STD
546-099	9/32X3-7/16X10-1/16 INCH STEEL FRAME (7.14MMX255.6MM/0.281X10.06 INCH) 120KSI	-40	-90	(\$155.00)



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Data Code	Description	Weight Front	Weight Rear	Retail Price
552-030	1600MM (63 INCH) REAR FRAME OVERHANG			STD
55W-006	FRAME OVERHANG RANGE: 61 INCH TO 70 INCH			N/C
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 92.45 in			
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 89.45 in			
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 260.37			
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 92.45 in			
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 42.25 in			N/C
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 70.76 in			N/C
553-001	SQUARE END OF FRAME			STD
550-001	FRONT CLOSING CROSSMEMBER			STD
559-001	STANDARD WEIGHT ENGINE CROSSMEMBER			STD
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)			STD
572-001	STANDARD REAR MOST CROSSMEMBER			STD
565-001	STANDARD SUSPENSION CROSSMEMBER			STD

### Chassis Equipment

556-1E5	14 INCH PAINTED STEEL BUMPER			STD
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE			STD
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS			STD

### Fuel Tanks

206-192	50 GALLON/189 LITER RECTANGULAR ALUMINUM FUEL TANK - RH	80	20	\$768.00
204-215	50 GALLON/189 LITER SHORT RECTANGULAR ALUMINUM FUEL TANK - LH	-10		(\$36.00)
218-005	RECTANGULAR FUEL TANK(S)			N/C
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS			STD
212-014	LH FUEL TANK MOUNTED FORWARD, RH FUEL TANK MOUNTED AFT			N/C
664-001	PLAIN STEP FINISH			STD
205-001	FUEL TANK CAP(S)			STD
122-1J1	DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR, HAND PRIMER AND 12 VOLT PREHEATER"	5		\$58.00
216-020	EQUIFLO INBOARD FUEL SYSTEM			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE			STD
<b>Tires</b>				
093-2G9	BRIDGESTONE ECOPIA R268 11R22.5 14 PLY RADIAL FRONT TIRES	12		(\$216.00)
094-1JH	BF GOODRICH DR454 11R22.5 14 PLY RADIAL REAR TIRES		36	(\$532.00)
<b>Hubs</b>				
418-056	CONMET PRESET PLUS IRON FRONT HUBS			STD
450-056	CONMET PRESET PLUS IRON REAR HUBS			STD
<b>Wheels</b>				
502-428	ACCURIDE 28828 22.5X8.25 10-HUB PILOT 6.18 INSET 2-HAND HD STEEL DISC FRONT WHEELS	26		STD
505-428	ACCURIDE 28828 22.5X8.25 10-HUB PILOT 2-HAND HD STEEL DISC REAR WHEELS		52	STD
<b>Cab Exterior</b>				
829-1A5	108 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB			STD
650-008	AIR CAB MOUNTS			STD
648-002	NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE			STD
667-004	FRONT FENDERS SET-BACK AXLE			STD
678-001	LH AND RH GRAB HANDLES			STD
646-041	STATIONARY BLACK GRILLE			STD
65X-004	BLACK HOOD MOUNTED AIR INTAKE GRILLE			STD
644-006	FIBERGLASS HOOD WITH ACCESS HATCHES	10		\$590.00
727-1AJ	DUAL 14 INCH ROUND POLISHED AIR HORNS	4		\$53.00
726-001	SINGLE ELECTRIC HORN			STD
728-002	DUAL HORN SHIELDS			N/C
657-001	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME			STD
575-001	REAR LICENSE PLATE MOUNT END OF FRAME			STD
312-068	HALOGEN COMPOSITE HEADLAMPS WITH BLACK BEZELS			STD
302-001	(5) AMBER MARKER LIGHTS			STD
315-062	RECTANGULAR CLEAR FOG LIGHTS MOUNTED UNDER BUMPER	6		\$181.00
294-001	INTEGRAL STOP/TAIL/BACKUP LIGHTS			STD
300-015	STANDARD FRONT TURN SIGNAL LAMPS			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
744-1BH	DUAL WEST COAST MOLDED-IN COLOR MIRRORS			STD
797-001	DOOR MOUNTED MIRRORS			STD
796-001	102 INCH EQUIPMENT WIDTH			STD
729-001	STANDARD SIDE/REAR REFLECTORS			STD
768-043	63X14 INCH TINTED REAR WINDOW			STD
661-004	TINTED DOOR GLASS LH AND RH WITH TINTED OPERATING WING WINDOWS			STD
654-003	MANUAL DOOR WINDOW REGULATORS			STD
663-013	TINTED WINDSHIELD			STD
659-007	8 LITER WINDSHIELD WASHER RESERVOIR, CAB MOUNTED, WITHOUT FLUID LEVEL INDICATOR			STD

### Cab Interior

707-1AK	OPAL GRAY VINYL INTERIOR			STD
706-013	MOLDED PLASTIC DOOR PANEL			STD
708-013	MOLDED PLASTIC DOOR PANEL			STD
772-006	BLACK MATS WITH SINGLE INSULATION			STD
785-004	DASH MOUNTED ASH TRAY(S) WITHOUT LIGHTER			STD
691-008	FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING			STD
694-010	IN DASH STORAGE BIN			STD
742-007	(2) CUP HOLDERS LH AND RH DASH			STD
680-006	GRAY/CHARCOAL FLAT DASH			STD
700-002	HEATER, DEFROSTER AND AIR CONDITIONER			STD
701-001	STANDARD HVAC DUCTING			STD
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH			STD
170-015	STANDARD HEATER PLUMBING			STD
130-033	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR			STD
702-002	BINARY CONTROL, R-134A			STD
739-033	STANDARD INSULATION			STD
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES			STD
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM			STD
324-014	DOME LIGHT WITH 3-WAY SWITCH ACTIVATED BY LH AND RH DOORS			STD
655-001	CAB DOOR LATCHES WITH MANUAL DOOR LOCKS			STD



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	Data Code	Description	Weight Front	Weight Rear	Retail Price
	284-023	(1) 12 VOLT POWER SUPPLY IN DASH			STD
	756-155	FULL WIDTH BENCH SEAT WITH FOLDING BACK	50		(\$2.00)
	760-998	NO FRONT PASSENGER SEAT	-30		N/C
	711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS			STD
N	758-036	VINYL WITH VINYL INSERT DRIVER SEAT			STD
	763-101	BLACK SEAT BELTS			STD
	532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10		\$478.00
	540-015	4-SPOKE 18 INCH (450MM) STEERING WHEEL			STD
	765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS			STD

### Instruments & Controls

	732-004	GRAY DRIVER INSTRUMENT PANEL			STD
	734-004	GRAY CENTER INSTRUMENT PANEL			STD
	87L-001	ENGINE REMOTE INTERFACE WITH PARK BRAKE INTERLOCK			N/C
	870-001	BLACK GAUGE BEZELS			STD
	486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM			STD
	840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES			STD
	198-025	INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS			STD
	149-013	ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL			STD
	156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY			STD
	811-042	ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED			STD
	160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH			STD
	844-001	2 INCH ELECTRIC FUEL GAUGE			STD
	148-070	ENGINE REMOTE INTERFACE WITH PRESET FAST IDLE			\$285.00
	163-001	ENGINE REMOTE INTERFACE CONNECTOR AT BACK OF CAB			N/C
	856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE			STD
	864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE			STD



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830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY			STD
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE			STD
746-114	AM/FM/WB WORLD TUNER RADIO WITH AUXILIARY INPUT, J1939	10		\$274.00
747-001	DASH MOUNTED RADIO			N/C
750-002	(2) RADIO SPEAKERS IN CAB			N/C
753-001	AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF	2		N/C
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER			STD
817-001	STANDARD VEHICLE SPEED SENSOR			STD
812-001	ELECTRONIC 3000 RPM TACHOMETER			STD
8D1-998	NO DIRECT CONNECT			STD
8Z1-998	NO ZONAR SYSTEMS (SCO)			STD
162-002	IGNITION SWITCH CONTROLLED ENGINE STOP			STD
329-083	SIX ON/OFF ROCKER SWITCHES IN THE DASH WITH INDICATOR LIGHTS; FOUR WIRE TO CHASSIS AT BACK OF CAB, TWO UNWIRED, LABEL ALL OPT			\$136.00
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY			STD
660-008	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY			STD
304-001	MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH			STD
882-009	ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR			STD
299-013	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE			STD
298-039	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS			STD
<b>Design</b>				
065-000	PAINT: ONE SOLID COLOR			STD
<b>Color</b>				
980-5E7	CAB COLOR A: L0789EB OMAHA ORANGE ELITE BC			N/C
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT			STD
98K-998	NO FUEL TANK CABINET PAINT			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
962-972	POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)			STD
966-972	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)			STD
964-020	STANDARD BLACK BUMPER PAINT			STD
963-003	STANDARD E COAT/UNDERCOATING			STD

**Certification / Compliance**





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## Q U O T A T I O N

### 108SD CONVENTIONAL CHASSIS

SET BACK AXLE - TRUCK CUM B6.7 300 HP @ 2600 RPM, 2600 GOV, 660 LB/FT @ 1600 RPM ALLISON 3500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION DETROIT DA-RS-21.0-4 21,000# R-SERIES SINGLE REAR AXLE 21,000# 52 INCH VARIABLE RATE MULTI-LEAF SPRING REAR SUSPENSION WITH LEAF SPRING HELPER	DETROIT DA-F-12.0-3 12,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE 12,000# MONO TAPERLEAF FRONT SUSPENSION 108 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB 4025MM (158 INCH) WHEELBASE 9/32X3-7/16X10-1/16 INCH STEEL FRAME (7.14MMX255.6MM/0.281X10.06 INCH) 120KSI 1600MM (63 INCH) REAR FRAME OVERHANG
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			<b>PER UNIT</b>		<b>TOTAL</b>
VEHICLE PRICE	<b>TOTAL # OF UNITS (1)</b>	\$	67,185	\$	67,185
		\$	0	\$	0
		\$	0	\$	0
<b>CUSTOMER PRICE B</b>		<b>\$</b>	<b>67,185</b>	<b>\$</b>	<b>67,185</b>

### TAXES AND FEES

TAXES AND FEES	\$	0	\$	0
OTHER CHARGES	\$	0	\$	0

<b>BALANCE DUE</b>	<b>(LOCAL CURRENCY)</b>	<b>\$</b>	<b>67,185</b>	<b>\$</b>	<b>67,185</b>
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COMMENTS: Projected delivery on \_\_\_ / \_\_\_ / \_\_\_ provided the order is received before \_\_\_ / \_\_\_ / \_\_\_.

APPROVAL: Please indicate your acceptance of this quotation by signing below:

Customer: X \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_.



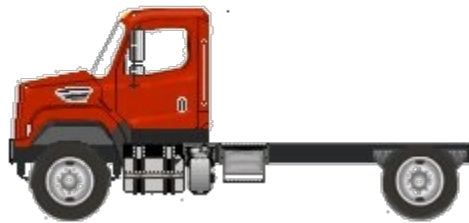
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*A proposal for*  
**State of Michigan- 160D- C**

*Prepared by*  
**D & K TRUCK COMPANY**  
*Edward Merrill*  
*Mar 21, 2017*

**Freightliner 108SD**



Components shown may not reflect all spec'd options and are not to scale



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## S P E C I F I C A T I O N P R O P O S A L

Data Code	Description	Weight Front	Weight Rear	Retail Price
<b>Price Level</b>				
PRL-15D	SD PRL-15D (EFF:10/25/16)			STD
<b>Data Version</b>				
DRL-016	SPECPRO21 DATA RELEASE VER 016			N/C
<b>Vehicle Configuration</b>				
001-176	108SD CONVENTIONAL CHASSIS	6,829	3,748	\$120,630.00
004-218	2018 MODEL YEAR SPECIFIED			N/C
002-004	SET BACK AXLE - TRUCK			STD
019-002	STRAIGHT TRUCK PROVISION			STD
003-001	LH PRIMARY STEERING LOCATION			STD
<b>General Service</b>				
AA1-002	TRUCK CONFIGURATION			STD
AA6-002	DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)			STD
A85-011	CONSTRUCTION SERVICE			STD
A84-1CO	CONSTRUCTION BUSINESS SEGMENT			STD
AA4-003	DRY BULK COMMODITY			STD
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS			STD
AB1-008	MAXIMUM 8% EXPECTED GRADE			STD
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE			STD
995-1A0	FREIGHTLINER SD VOCATIONAL WARRANTY			STD
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 12000.0 lbs			
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 21000.0 lbs			
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 33000.0 lbs			
<b>Truck Service</b>				
AA3-005	FLATBED/PLATFORM/STAKE BODY			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
<b>Engine</b>				
101-22P	CUM L9 300 HP @ 2000 RPM, 2200 GOV RPM, 860 LB/FT @ 1300 RPM			\$2,107.00
<b>Electronic Parameters</b>				
79A-075	75 MPH ROAD SPEED LIMIT			N/C
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT			N/C
79P-002	PTO RPM WITH CRUISE SET SWITCH - 700 RPM			N/C
79Q-003	PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM			N/C
79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH			N/C
79U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND			N/C
80G-002	PTO MINIMUM RPM - 700			N/C
80J-002	REGEN INHIBIT SPEED THRESHOLD - 5 MPH			N/C
<b>Engine Equipment</b>				
99C-017	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION			N/C
99D-010	NO 2008 CARB EMISSION CERTIFICATION			STD
PMT-998	NO 2013 ENGINE ESCALATOR			N/C
13E-001	STANDARD OIL PAN			STD
105-001	ENGINE MOUNTED OIL CHECK AND FILL			STD
014-099	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER			STD
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE			STD
292-098	(2) ALLIANCE MODEL 1231, GROUP 31, 12 VOLT MAINTENANCE FREE 2250 CCA THREADED STUD BATTERIES			STD
290-017	BATTERY BOX FRAME MOUNTED			STD
281-001	STANDARD BATTERY JUMPERS			STD
282-003	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE BACK OF CAB			STD
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN			STD
289-001	NON-POLISHED BATTERY BOX COVER			STD
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE			STD
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM			STD



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128-076	CUMMINS EXHAUST BRAKE INTEGRAL WITH VARIABLE GEOMETRY TURBO WITH ON/OFF DASH SWITCH	20		N/C
016-1C3	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE			STD
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH			STD
239-001	STANDARD EXHAUST SYSTEM LENGTH			STD
237-052	RH STANDARD HORIZONTAL TAILPIPE			STD
23U-002	13 GALLON DIESEL EXHAUST FLUID TANK			STD
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL			STD
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING			STD
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION			STD
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP			STD
273-018	HORTON DRIVEMASTER ADVANTAGE ON/OFF FAN DRIVE			STD
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED			STD
110-003	CUMMINS SPIN ON FUEL FILTER			STD
118-008	COMBINATION FULL FLOW/BYPASS OIL FILTER			STD
266-028	1200 SQUARE INCH ALUMINUM RADIATOR	10		STD
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT			STD
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT			STD
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES			STD
270-016	RADIATOR DRAIN VALVE			STD
138-011	PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER	4		\$86.00
140-053	BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR			N/C
132-004	ELECTRIC GRID AIR INTAKE WARMER			STD
155-058	DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH			STD

**Transmission**

342-584	ALLISON 3500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION			(\$75.00)
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<b>Transmission Equipment</b>				
343-339	ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV			STD
84B-002	ALLISON VOCATIONAL RATING FOR CONCRETE MIXER APPLICATIONS ONLY AVAILABLE WITH 3000 PRODUCT FAMILIES			STD
84C-023	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			STD
84D-023	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			STD
84E-000	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84F-000	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84G-000	PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84H-000	SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84L-000	LOAD BASED SHIFT SCHEDULE AND VEHICLE ACCELERATION CONTROL RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED VOCATIONAL USAGE			STD
84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES			STD
362-1Y2	(2) CUSTOMER INSTALLED MUNCIE CS10 SERIES PTO'S			N/C
363-011	PTO MOUNTING, LH AND RH SIDES OF MAIN TRANSMISSION			N/C
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN			STD
345-003	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED			STD
97G-004	TRANSMISSION PROGNOSTICS - ENABLED 2013			STD
370-015	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK			STD
346-003	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK			STD



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35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)			STD
<b>Front Axle and Equipment</b>				
400-1A6	DETROIT DA-F-12.0-3 12,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE			STD
402-020	MERITOR 15X4 Q+ CAM FRONT BRAKES			STD
403-002	NON-ASBESTOS FRONT BRAKE LINING			STD
419-023	CONMET CAST IRON FRONT BRAKE DRUMS			STD
409-021	SKF SCOTSEAL PLUS XL FRONT OIL SEALS			STD
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL			STD
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES			STD
405-002	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS			STD
406-001	STANDARD KING PIN BUSHINGS			STD
536-050	TRW THP-60 POWER STEERING			STD
539-003	POWER STEERING PUMP			STD
534-015	2 QUART SEE THROUGH POWER STEERING RESERVOIR			STD
40T-001	ORGANIC SAE 80/90 FRONT AXLE LUBE			STD
<b>Front Suspension</b>				
620-1E9	12,000# MONO TAPERLEAF FRONT SUSPENSION			STD
619-005	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION			STD
62H-998	NO FRONT SUSPENSION SPRING BRACKET OPTIONS			STD
410-001	FRONT SHOCK ABSORBERS			STD
<b>Rear Axle and Equipment</b>				
420-1C8	DETROIT DA-RS-21.0-4 21,000# R-SERIES SINGLE REAR AXLE			STD
421-522	5.22 REAR AXLE RATIO			STD
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING			STD
386-073	MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES			STD
423-020	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES			STD
433-002	NON-ASBESTOS REAR BRAKE LINING			STD
434-011	BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)			N/C



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451-023	CONMET CAST IRON REAR BRAKE DRUMS			STD
440-021	SKF SCOTSEAL PLUS XL REAR OIL SEALS			STD
426-074	HALDEX GOLDSEAL LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS			STD
428-002	MERITOR AUTOMATIC REAR SLACK ADJUSTERS			STD
41T-001	ORGANIC SAE 80/90 REAR AXLE LUBE			STD
42T-001	STANDARD REAR AXLE BREATHER(S)			STD
<b>Rear Suspension</b>				
622-1MG	21,000# 52 INCH VARIABLE RATE MULTI-LEAF SPRING REAR SUSPENSION WITH LEAF SPRING HELPER		20	(\$226.00)
621-001	SPRING SUSPENSION - NO AXLE SPACERS			STD
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP			STD
<b>Brake System</b>				
490-100	WABCO 4S/4M ABS WITHOUT TRACTION CONTROL			STD
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES			STD
904-001	FIBER BRAID PARKING BRAKE HOSE			STD
412-001	STANDARD BRAKE SYSTEM VALVES			STD
46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM			STD
413-002	STD U.S. FRONT BRAKE VALVE			STD
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE			STD
480-083	WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER			STD
479-015	AIR DRYER FRAME MOUNTED			STD
460-001	STEEL AIR BRAKE RESERVOIRS			STD
477-001	PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS			STD
<b>Trailer Connections</b>				
335-004	UPGRADED CHASSIS MULTIPLEXING UNIT			STD
<b>Wheelbase &amp; Frame</b>				
545-402	4025MM (158 INCH) WHEELBASE			STD
546-100	11/32X3-1/2X10-3/16 INCH STEEL FRAME (8.73MMX258.8MM/0.344X10.19 INCH) 120KSI			STD
552-030	1600MM (63 INCH) REAR FRAME OVERHANG			STD
553-001	SQUARE END OF FRAME			STD





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550-001	FRONT CLOSING CROSSMEMBER			STD
559-001	STANDARD WEIGHT ENGINE CROSSMEMBER			STD
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)			STD
572-001	STANDARD REAR MOST CROSSMEMBER			STD
565-001	STANDARD SUSPENSION CROSSMEMBER			STD
<b>Chassis Equipment</b>				
556-1E5	14 INCH PAINTED STEEL BUMPER			STD
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE			STD
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS			STD
<b>Fuel Tanks</b>				
206-192	50 GALLON/189 LITER RECTANGULAR ALUMINUM FUEL TANK - RH	80	20	\$768.00
204-215	50 GALLON/189 LITER SHORT RECTANGULAR ALUMINUM FUEL TANK - LH	-10		(\$36.00)
218-005	RECTANGULAR FUEL TANK(S)			N/C
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS			STD
212-014	LH FUEL TANK MOUNTED FORWARD, RH FUEL TANK MOUNTED AFT			N/C
664-001	PLAIN STEP FINISH			STD
205-001	FUEL TANK CAP(S)			STD
122-1J1	DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR, HAND PRIMER AND 12 VOLT PREHEATER"	-5		\$58.00
216-020	EQUIFLO INBOARD FUEL SYSTEM			STD
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE			STD
<b>Tires</b>				
093-2G9	BRIDGESTONE ECOPIA R268 11R22.5 14 PLY RADIAL FRONT TIRES	12		(\$216.00)
094-1JH	BF GOODRICH DR454 11R22.5 14 PLY RADIAL REAR TIRES		36	(\$532.00)
<b>Hubs</b>				
418-056	CONMET PRESET PLUS IRON FRONT HUBS			STD
450-056	CONMET PRESET PLUS IRON REAR HUBS			STD
<b>Wheels</b>				
502-428	ACCURIDE 28828 22.5X8.25 10-HUB PILOT 6.18 INSET 2-HAND HD STEEL DISC FRONT WHEELS	26		STD



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505-428	ACCURIDE 28828 22.5X8.25 10-HUB PILOT 2-HAND HD STEEL DISC REAR WHEELS		52	STD
<b>Cab Exterior</b>				
829-1A5	108 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB			STD
650-008	AIR CAB MOUNTS			STD
648-002	NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE			STD
667-004	FRONT FENDERS SET-BACK AXLE			STD
678-001	LH AND RH GRAB HANDLES			STD
646-041	STATIONARY BLACK GRILLE			STD
65X-004	BLACK HOOD MOUNTED AIR INTAKE GRILLE			STD
644-006	FIBERGLASS HOOD WITH ACCESS HATCHES	10		\$590.00
727-1AJ	DUAL 14 INCH ROUND POLISHED AIR HORNS	4		\$53.00
726-001	SINGLE ELECTRIC HORN			STD
728-002	DUAL HORN SHIELDS			N/C
657-001	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME			STD
575-001	REAR LICENSE PLATE MOUNT END OF FRAME			STD
312-068	HALOGEN COMPOSITE HEADLAMPS WITH BLACK BEZELS			STD
302-001	(5) AMBER MARKER LIGHTS			STD
294-001	INTEGRAL STOP/TAIL/BACKUP LIGHTS			STD
300-015	STANDARD FRONT TURN SIGNAL LAMPS			STD
744-1BH	DUAL WEST COAST MOLDED-IN COLOR MIRRORS			STD
797-001	DOOR MOUNTED MIRRORS			STD
796-001	102 INCH EQUIPMENT WIDTH			STD
729-001	STANDARD SIDE/REAR REFLECTORS			STD
768-043	63X14 INCH TINTED REAR WINDOW			STD
661-004	TINTED DOOR GLASS LH AND RH WITH TINTED OPERATING WING WINDOWS			STD
654-003	MANUAL DOOR WINDOW REGULATORS			STD
663-013	TINTED WINDSHIELD			STD
659-007	8 LITER WINDSHIELD WASHER RESERVOIR, CAB MOUNTED, WITHOUT FLUID LEVEL INDICATOR			STD
<b>Cab Interior</b>				
707-1AK	OPAL GRAY VINYL INTERIOR			STD
706-013	MOLDED PLASTIC DOOR PANEL			STD



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708-013	MOLDED PLASTIC DOOR PANEL			STD
772-006	BLACK MATS WITH SINGLE INSULATION			STD
785-004	DASH MOUNTED ASH TRAY(S) WITHOUT LIGHTER			STD
691-008	FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING			STD
694-010	IN DASH STORAGE BIN			STD
742-007	(2) CUP HOLDERS LH AND RH DASH			STD
680-006	GRAY/CHARCOAL FLAT DASH			STD
700-002	HEATER, DEFROSTER AND AIR CONDITIONER			STD
701-001	STANDARD HVAC DUCTING			STD
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH			STD
170-015	STANDARD HEATER PLUMBING			STD
130-033	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR			STD
702-002	BINARY CONTROL, R-134A			STD
739-033	STANDARD INSULATION			STD
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES			STD
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM			STD
324-014	DOME LIGHT WITH 3-WAY SWITCH ACTIVATED BY LH AND RH DOORS			STD
655-001	CAB DOOR LATCHES WITH MANUAL DOOR LOCKS			STD
284-023	(1) 12 VOLT POWER SUPPLY IN DASH			STD
756-1J1	BASIC HIGH BACK NON SUSPENSION DRIVER SEAT WITH FORE AND AFT ADJUSTMENT			STD
760-1DC	BASIC HIGH BACK NON SUSPENSION PASSENGER SEAT			STD
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS			STD
758-036	VINYL WITH VINYL INSERT DRIVER SEAT			STD
761-036	VINYL WITH VINYL INSERT PASSENGER SEAT			STD
763-101	BLACK SEAT BELTS			STD
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10		\$478.00
540-015	4-SPOKE 18 INCH (450MM) STEERING WHEEL			STD
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS			STD

**Instruments & Controls**

732-004	GRAY DRIVER INSTRUMENT PANEL			STD
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734-004	GRAY CENTER INSTRUMENT PANEL			STD
870-001	BLACK GAUGE BEZELS			STD
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM			STD
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES			STD
198-025	INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS			STD
149-013	ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL			STD
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY			STD
811-042	ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED			STD
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH			STD
844-001	2 INCH ELECTRIC FUEL GAUGE			STD
148-003	PROGRAMMABLE RPM CONTROL - ELECTRONIC ENGINE			STD
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE			STD
864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE			STD
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY			STD
372-051	CUSTOMER FURNISHED AND INSTALLED PTO CONTROLS			N/C
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE			STD
746-114	AM/FM/WB WORLD TUNER RADIO WITH AUXILIARY INPUT, J1939	10		\$274.00
747-001	DASH MOUNTED RADIO			N/C
750-002	(2) RADIO SPEAKERS IN CAB			N/C
753-001	AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF	2		N/C
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER			STD
817-001	STANDARD VEHICLE SPEED SENSOR			STD
812-001	ELECTRONIC 3000 RPM TACHOMETER			STD
8D1-998	NO DIRECT CONNECT			STD
8Z1-998	NO ZONAR SYSTEMS (SCO)			STD
162-002	IGNITION SWITCH CONTROLLED ENGINE STOP			STD



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329-083	SIX ON/OFF ROCKER SWITCHES IN THE DASH WITH INDICATOR LIGHTS; FOUR WIRE TO CHASSIS AT BACK OF CAB, TWO UNWIRED, LABEL ALL OPT			\$136.00
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY			STD
660-008	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY			STD
304-001	MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH			STD
882-009	ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR			STD
299-013	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE			STD
298-039	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS			STD
<b>Design</b>				
065-000	PAINT: ONE SOLID COLOR			STD
<b>Color</b>				
980-5E7	CAB COLOR A: L0789EB OMAHA ORANGE ELITE BC			N/C
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT			STD
98K-998	NO FUEL TANK CABINET PAINT			STD
962-972	POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)			STD
966-972	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)			STD
964-020	STANDARD BLACK BUMPER PAINT			STD
963-003	STANDARD E COAT/UNDERCOATING			STD

**Certification / Compliance**



Prepared for:  
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## Q U O T A T I O N

### 108SD CONVENTIONAL CHASSIS

SET BACK AXLE - TRUCK CUM L9 300 HP @ 2000 RPM, 2200 GOV RPM, 860 LB/FT @ 1300 RPM ALLISON 3500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION DETROIT DA-RS-21.0-4 21,000# R-SERIES SINGLE REAR AXLE 21,000# 52 INCH VARIABLE RATE MULTI-LEAF SPRING REAR SUSPENSION WITH LEAF SPRING HELPER	DETROIT DA-F-12.0-3 12,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE 12,000# MONO TAPERLEAF FRONT SUSPENSION 108 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB 4025MM (158 INCH) WHEELBASE 11/32X3-1/2X10-3/16 INCH STEEL FRAME (8.73MMX258.8MM/0.344X10.19 INCH) 120KSI 1600MM (63 INCH) REAR FRAME OVERHANG
--	---

			<b>PER UNIT</b>		<b>TOTAL</b>
VEHICLE PRICE	<b>TOTAL # OF UNITS (1)</b>	\$	66,850	\$	66,850

### TAXES AND FEES

TAXES AND FEES	\$	0	\$	0
OTHER CHARGES	\$	0	\$	0

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<b>BALANCE DUE</b>	<b>(LOCAL CURRENCY)</b>	<b>\$</b>	<b>66,850</b>	<b>\$</b>	<b>66,850</b>
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COMMENTS: Projected delivery on \_\_\_ / \_\_\_ / \_\_\_ provided the order is received before \_\_\_ / \_\_\_ / \_\_\_.

APPROVAL: Please indicate your acceptance of this quotation by signing below:

Customer: X \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_.



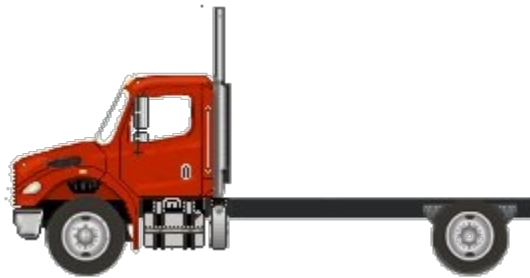
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*A proposal for*  
**State of Michigan- 164D**

*Prepared by*  
**D & K TRUCK COMPANY**  
*Edward Merrill*  
*Mar 21, 2017*

**Freightliner M2 106**



Components shown may not reflect all spec'd options and are not to scale



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## S P E C I F I C A T I O N P R O P O S A L

Data Code	Description	Weight Front	Weight Rear	Retail Price
<b>Price Level</b>				
PRL-15M	M2 PRL-15M (EFF:10/25/16)			STD
<b>Data Version</b>				
DRL-016	SPECPRO21 DATA RELEASE VER 016			N/C
<b>Vehicle Configuration</b>				
001-172	M2 106 CONVENTIONAL CHASSIS	5,759	3,503	\$100,130.00
004-218	2018 MODEL YEAR SPECIFIED			N/C
002-004	SET BACK AXLE - TRUCK			STD
019-002	STRAIGHT TRUCK PROVISION			STD
003-001	LH PRIMARY STEERING LOCATION			STD
<b>General Service</b>				
AA1-002	TRUCK CONFIGURATION			STD
AA6-002	DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)			STD
A85-002	PICKUP AND DELIVERY/SHORT HAUL SERVICE			STD
A84-1GM	GOVERNMENT BUSINESS SEGMENT			N/C
AA4-011	FIXED LOAD COMMODITY			N/C
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS			STD
AB1-008	MAXIMUM 8% EXPECTED GRADE			STD
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE			STD
995-091	MEDIUM TRUCK WARRANTY			STD
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 12000.0 lbs			
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 17500.0 lbs			
A67-99D	EXPECTED PUSHER AXLE(S) LOAD : 0.0 lbs			
A69-99D	EXPECTED TAG AXLE(S) LOAD : 0.0 lbs			
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 29500.0 lbs			





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A70-99D	EXPECTED GROSS COMBINATION WEIGHT : 0.0 lbs			
<b>Truck Service</b>				
AA3-005	FLATBED/PLATFORM/STAKE BODY			N/C
AF7-99D	EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in			
<b>Engine</b>				
101-21N	CUM B6.7 200 HP @ 2400 RPM, 2600 GOV, 520 LB/FT @ 1600 RPM			\$590.00
<b>Electronic Parameters</b>				
79A-075	75 MPH ROAD SPEED LIMIT			N/C
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT			N/C
79K-007	PTO MODE ENGINE RPM LIMIT - 1100 RPM			N/C
79P-002	PTO RPM WITH CRUISE SET SWITCH - 700 RPM			N/C
79Q-003	PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM			N/C
79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH			N/C
79U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND			N/C
80G-002	PTO MINIMUM RPM - 700			N/C
80J-002	REGEN INHIBIT SPEED THRESHOLD - 5 MPH			N/C
<b>Engine Equipment</b>				
99C-017	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION			N/C
99D-010	NO 2008 CARB EMISSION CERTIFICATION			N/C
13E-001	STANDARD OIL PAN			STD
105-001	ENGINE MOUNTED OIL CHECK AND FILL			STD
133-004	ONE PIECE VALVE COVER			STD
014-099	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER			STD
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE			STD
292-1D8	(2) ALLIANCE MODEL 1131, GROUP 31, 12 VOLT MAINTENANCE FREE 1900 CCA THREADED STUD BATTERIES, NON FCCC ONLY			STD
290-017	BATTERY BOX FRAME MOUNTED			STD
281-001	STANDARD BATTERY JUMPERS			STD
282-001	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN			STD
289-001	NON-POLISHED BATTERY BOX COVER			STD
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE			STD
108-002	STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR			STD
131-013	AIR COMPRESSOR DISCHARGE LINE			STD
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM			STD
016-1C2	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE	30	25	\$798.00
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH			STD
239-020	10 FOOT 00 INCH (120 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT			(\$4.00)
237-1CR	RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP			N/C
23U-001	6 GALLON DIESEL EXHAUST FLUID TANK			STD
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL			STD
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION			STD
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING			STD
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP			STD
242-011	ALUMINUM AFTERTREATMENT DEVICE/MUFFLER/TAILOUT SHIELD(S)			N/C
273-035	HORTON HT650 FRONTAL AIR ON/OFF ENGINE FAN CLUTCH			STD
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED			STD
110-003	CUMMINS SPIN ON FUEL FILTER			STD
118-001	FULL FLOW OIL FILTER			STD
266-078	950 SQUARE INCH ALUMINUM RADIATOR			STD
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT			STD
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT			STD
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
270-016	RADIATOR DRAIN VALVE			STD
168-002	LOWER RADIATOR GUARD			STD
138-010	PHILLIPS-TEMRO 750 WATT/115 VOLT BLOCK HEATER	4		\$108.00
140-053	BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR			N/C
134-001	ALUMINUM FLYWHEEL HOUSING			STD
132-004	ELECTRIC GRID AIR INTAKE WARMER			STD
155-057	DELCO 12V 29MT STARTER WITH INTEGRATED MAGNETIC SWITCH			STD

### Transmission

342-1MG	ALLISON 2500 HS AUTOMATIC TRANSMISSION, NO PTO PROVISION			STD
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### Transmission Equipment

343-301	ALLISON VOCATIONAL PACKAGE 354 - AVAILABLE ON 1000/2000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, EVS, HS, MH, PTS AND SPS			STD
84B-005	ALLISON VOCATIONAL RATING FOR HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES			STD
84C-003	PRIMARY MODE GEARS, 5 FORWARD GEARS WITH MANUAL SELECTION FOR 3, 2 AND 1, AVAILABLE FOR 1000/2000 PRODUCT FAMILIES ONLY			STD
84E-000	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84F-000	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84G-000	PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84H-000	SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84L-000	LOAD BASED SHIFT SCHEDULE AND VEHICLE ACCELERATION CONTROL RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED VOCATIONAL USAGE			STD
84N-000	NEUTRAL AT STOP - DISABLED, FUELSENSE - DISABLED			STD
84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN			STD
345-072	DASH MOUNTED T-HANDLE CABLE SHIFT CONTROL WITHOUT PARK BRAKE POSITION			STD
97G-006	TRANSMISSION PROGNOSTICS - DISABLED (N/A) 2013, FOR USE IN 1000/2000 ONLY			STD
370-015	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK			STD
346-001	TRANSMISSION OIL CHECK AND FILL			STD
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)			STD

### Front Axle and Equipment

400-1A6	DETROIT DA-F-12.0-3 12,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE			STD
402-021	MERITOR 15X5 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES			\$119.00
403-002	NON-ASBESTOS FRONT BRAKE LINING			STD
419-015	MERITOR CAST IRON FRONT BRAKE DRUMS	-10		(\$18.00)
427-001	FRONT BRAKE DUST SHIELDS	5		\$51.00
409-021	SKF SCOTSEAL PLUS XL FRONT OIL SEALS			STD
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL			STD
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES			STD
405-002	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS			STD
536-050	TRW THP-60 POWER STEERING			STD
539-003	POWER STEERING PUMP			STD
534-015	2 QUART SEE THROUGH POWER STEERING RESERVOIR			STD
40T-002	SYNTHETIC 75W-90 FRONT AXLE LUBE			\$11.00

### Front Suspension

620-1F0	12,000# DUAL TAPERLEAF FRONT SUSPENSION	42		\$57.00
619-005	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION			STD
62H-998	NO FRONT SUSPENSION SPRING BRACKET OPTIONS			STD
410-001	FRONT SHOCK ABSORBERS			STD

### Rear Axle and Equipment

420-1GH	DETROIT DA-RS-17.5-4 17,500# R-SERIES SINGLE REAR AXLE		-15	(\$165.00)
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Data Code	Description	Weight Front	Weight Rear	Retail Price
421-614	6.14 REAR AXLE RATIO			N/C
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING			STD
386-073	MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES			STD
423-020	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES			STD
433-002	NON-ASBESTOS REAR BRAKE LINING			STD
434-011	BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)			N/C
451-023	CONMET CAST IRON REAR BRAKE DRUMS			STD
425-002	REAR BRAKE DUST SHIELDS			\$60.00
440-021	SKF SCOTSEAL PLUS XL REAR OIL SEALS			STD
426-074	HALDEX GOLDSEAL LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS			STD
428-002	MERITOR AUTOMATIC REAR SLACK ADJUSTERS			STD
41T-001	ORGANIC SAE 80/90 REAR AXLE LUBE			STD
<b>Rear Suspension</b>				
622-1ME	18,000# 52 INCH VARIABLE RATE MULTI-LEAF SPRING REAR SUSPENSION WITH LEAF SPRING HELPER		90	(\$1,620.00)
621-001	SPRING SUSPENSION - NO AXLE SPACERS			N/C
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP			STD
439-001	REAR SHOCK ABSORBERS - ONE AXLE		40	\$179.00
<b>Brake System</b>				
018-002	AIR BRAKE PACKAGE			STD
490-100	WABCO 4S/4M ABS WITHOUT TRACTION CONTROL			STD
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES			STD
904-001	FIBER BRAID PARKING BRAKE HOSE			STD
412-001	STANDARD BRAKE SYSTEM VALVES			STD
46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM			STD
413-002	STD U.S. FRONT BRAKE VALVE			STD
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE			STD
480-083	WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER			STD



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479-015	AIR DRYER FRAME MOUNTED			STD
460-001	STEEL AIR BRAKE RESERVOIRS			STD
477-001	PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS			STD
<b>Trailer Connections</b>				
335-004	UPGRADED CHASSIS MULTIPLEXING UNIT			STD
32A-002	UPGRADED BULKHEAD MULTIPLEXING UNIT			STD
30L-998	NO HIGH CURRENT TRAILER/BODY CABLE			STD
<b>Wheelbase &amp; Frame</b>				
545-487	4875MM (192 INCH) WHEELBASE			N/C
546-092	11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8/0.344X10.94 INCH) 80KSI	120	120	\$557.00
552-014	1900MM (75 INCH) REAR FRAME OVERHANG			N/C
55W-007	FRAME OVERHANG RANGE: 71 INCH TO 80 INCH	-20	90	N/C
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 126.45 in			
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 123.45 in			
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 296.39			
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 126.45 in			
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 123.56 in			N/C
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 93.58 in			N/C
553-001	SQUARE END OF FRAME			STD
550-001	FRONT CLOSING CROSSMEMBER			STD
559-001	STANDARD WEIGHT ENGINE CROSSMEMBER			STD
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)			STD
572-001	STANDARD REAR MOST CROSSMEMBER			STD
565-001	STANDARD SUSPENSION CROSSMEMBER			STD
<b>Chassis Equipment</b>				
556-1AN	THREE-PIECE 14 INCH STEEL CENTER BUMPER WITH FLEXIBLE PLASTIC ENDS			STD
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE			STD
586-024	FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS			STD
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
<b>Fuel Tanks</b>				
206-192	50 GALLON/189 LITER RECTANGULAR ALUMINUM FUEL TANK - RH	80	20	\$820.00
204-192	50 GALLON/189 LITER RECTANGULAR ALUMINUM FUEL TANK - LH	20		\$31.00
218-005	RECTANGULAR FUEL TANK(S)			STD
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS			STD
212-014	LH FUEL TANK MOUNTED FORWARD, RH FUEL TANK MOUNTED AFT	-35	35	N/C
664-001	PLAIN STEP FINISH			STD
205-001	FUEL TANK CAP(S)			STD
122-1J2	DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR AND HAND PRIMER	-5		N/C
216-020	EQUIFLO INBOARD FUEL SYSTEM			STD
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE			STD
<b>Tires</b>				
093-2G9	BRIDGESTONE ECOPIA R268 11R22.5 14 PLY RADIAL FRONT TIRES	12		(\$216.00)
094-1DK	BF GOODRICH DR444 11R22.5 14 PLY RADIAL REAR TIRES		32	(\$364.00)
<b>Hubs</b>				
418-056	CONMET PRESET PLUS IRON FRONT HUBS			STD
450-056	CONMET PRESET PLUS IRON REAR HUBS			STD
<b>Wheels</b>				
502-1F2	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC FRONT WHEELS			STD
505-1F2	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC REAR WHEELS			STD
511-1F2	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC SPARE WHEEL		70	\$117.00
496-011	FRONT WHEEL MOUNTING NUTS			STD
497-011	REAR WHEEL MOUNTING NUTS			STD
<b>Cab Exterior</b>				
829-071	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB			STD
650-008	AIR CAB MOUNTS			\$118.00
678-001	LH AND RH GRAB HANDLES			STD



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646-009	PAINTED PLASTIC GRILLE			STD
65X-001	ARGENT SILVER HOOD MOUNTED AIR INTAKE GRILLE			STD
644-004	FIBERGLASS HOOD			STD
727-066	DUAL 26 INCH RECTANGULAR POLISHED ALUMINUM AIR HORNS ROOF MOUNTED	8		\$200.00
726-002	DUAL ELECTRIC HORNS			\$10.00
728-002	DUAL HORN SHIELDS			N/C
657-1CV	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME WITH (4) KEYS			\$19.00
575-001	REAR LICENSE PLATE MOUNT END OF FRAME			STD
312-043	INTEGRAL HEADLIGHT/MARKER ASSEMBLY			STD
302-001	(5) AMBER MARKER LIGHTS			STD
294-001	INTEGRAL STOP/TAIL/BACKUP LIGHTS			STD
300-015	STANDARD FRONT TURN SIGNAL LAMPS			STD
744-1BN	DUAL WEST COAST BRIGHT FINISH MIRRORS			\$95.00
797-001	DOOR MOUNTED MIRRORS			STD
796-001	102 INCH EQUIPMENT WIDTH			STD
743-204	LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS			N/C
729-001	STANDARD SIDE/REAR REFLECTORS			STD
768-043	63X14 INCH TINTED REAR WINDOW			STD
661-003	TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS			STD
654-003	MANUAL DOOR WINDOW REGULATORS			STD
663-013	TINTED WINDSHIELD			STD
659-019	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED			STD

**Cab Interior**

707-1AM	OPAL GRAY CLOTH INTERIOR			STD
706-013	MOLDED PLASTIC DOOR PANEL			STD
708-013	MOLDED PLASTIC DOOR PANEL			STD
772-006	BLACK MATS WITH SINGLE INSULATION			STD
691-008	FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING			STD
694-010	IN DASH STORAGE BIN			STD
742-007	(2) CUP HOLDERS LH AND RH DASH			STD
680-006	GRAY/CHARCOAL FLAT DASH			STD





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Data Code	Description	Weight Front	Weight Rear	Retail Price
700-002	HEATER, DEFROSTER AND AIR CONDITIONER			STD
701-001	STANDARD HVAC DUCTING			STD
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH			STD
170-015	STANDARD HEATER PLUMBING			STD
130-033	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR			STD
702-002	BINARY CONTROL, R-134A			STD
739-033	STANDARD INSULATION			STD
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES			STD
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM			STD
324-014	DOME LIGHT WITH 3-WAY SWITCH ACTIVATED BY LH AND RH DOORS			STD
655-001	CAB DOOR LATCHES WITH MANUAL DOOR LOCKS			STD
284-023	(1) 12 VOLT POWER SUPPLY IN DASH			\$17.00
756-1J3	BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	30		\$212.00
760-235	2 MAN TOOL BOX MID BACK NON SUSPENSION PASSENGER SEAT	20		\$178.00
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS			STD
758-036	VINYL WITH VINYL INSERT DRIVER SEAT			STD
761-036	VINYL WITH VINYL INSERT PASSENGER SEAT			STD
763-101	BLACK SEAT BELTS			STD
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10		\$478.00
540-015	4-SPOKE 18 INCH (450MM) STEERING WHEEL			STD
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS			STD

### Instruments & Controls

732-004	GRAY DRIVER INSTRUMENT PANEL			STD
734-004	GRAY CENTER INSTRUMENT PANEL			STD
87L-001	ENGINE REMOTE INTERFACE WITH PARK BRAKE INTERLOCK			N/C
870-001	BLACK GAUGE BEZELS			STD
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM			STD
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
198-025	INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS			STD
149-013	ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL			STD
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY			STD
811-042	ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED			STD
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH			STD
844-001	2 INCH ELECTRIC FUEL GAUGE			STD
148-070	ENGINE REMOTE INTERFACE WITH PRESET FAST IDLE			\$85.00
163-001	ENGINE REMOTE INTERFACE CONNECTOR AT BACK OF CAB			N/C
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE			STD
864-005	TRANSMISSION OIL TEMPERATURE INDICATOR LIGHT			STD
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY			STD
73B-998	NO LANE DEPARTURE WARNING SYSTEM			STD
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE			STD
746-114	AM/FM/WB WORLD TUNER RADIO WITH AUXILIARY INPUT, J1939	10		\$274.00
747-001	DASH MOUNTED RADIO			N/C
750-002	(2) RADIO SPEAKERS IN CAB			N/C
753-001	AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF	2		N/C
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER			STD
817-001	STANDARD VEHICLE SPEED SENSOR			STD
812-001	ELECTRONIC 3000 RPM TACHOMETER			STD
8D1-998	NO DIRECT CONNECT			STD
8Z1-998	NO ZONAR SYSTEMS (SCO)			STD
162-011	IDLE LIMITER, ELECTRONIC ENGINE			STD
329-091	(6) IGN CONTROLLED EXTRA SWITCHES WITH IND LIGHTS WIRED TO POWER DIST BOX WITH RELAYS PROVIDING 20 AMPS PER CIRCUIT TO JUNCTION BLOCK AND 1 CIRCUIT AT 30 AMPS			\$464.00



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Data Code	Description	Weight Front	Weight Rear	Retail Price
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY			STD
660-008	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY			STD
304-001	MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH			STD
882-009	ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR			STD
299-013	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE			STD
298-039	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS			STD
869-998	NO MISCELLANEOUS GAUGES			STD
<b>Design</b>				
065-000	PAINT: ONE SOLID COLOR			STD
<b>Color</b>				
980-4B7	CAB COLOR A: N0789EA OMAHA ORANGE ELITE SS			N/C
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT			STD
98K-998	NO FUEL TANK CABINET PAINT			STD
962-972	POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)			STD
966-972	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)			STD
96F-972	POWDER WHITE (N0006EA) SPARE WHEEL/RIM (PKWHT21, TKWHT21, W, TW)			N/C
964-6Z7	BUMPER PAINT: FP24812 ARGENT SILVER DUPONT FLEX			STD
963-003	STANDARD E COAT/UNDERCOATING			STD
<b>Certification / Compliance</b>				
996-001	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS			STD
<b>Secondary Factory Options</b>				
999-014	DEALER HAS BEEN ADVISED OF AND ACCEPTED RESPONSIBILITY FOR MODIFICATIONS DUE TO POSSIBLE PTO/CHASSIS INTERFERENCE			N/C

**T O T A L V E H I C L E S U M M A R Y**



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### Adjusted List Price

Adjusted List Price \*\* \$103,391.00

### Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight <sup>+</sup>	6082 lbs	4010 lbs	10092 lbs
<b>Total Weight<sup>+</sup></b>	<b>6082 lbs</b>	<b>4010 lbs</b>	<b>10092 lbs</b>

### ITEMS NOT INCLUDED IN ADJUSTED LIST PRICE

#### Other Factory Charges

PMU-017	2016 OBD/2010 EPA/CARB/GHG17 ESCALATOR	\$300.00
RD1-998	NO DETROIT CONNECT	STD
P73-2FT	STANDARD DESTINATION CHARGE	\$2,000.00

(+) Weights shown are estimates only.

If weight is critical, contact Customer Application Engineering.

(\*\*) Prices shown do not include taxes, fees, etc... "Net Equipment Selling Price" is located on the Quotation Details Proposal Report.



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## Q U O T A T I O N

### M2 106 CONVENTIONAL CHASSIS

SET BACK AXLE - TRUCK CUM B6.7 200 HP @ 2400 RPM, 2600 GOV, 520 LB/FT @ 1600 RPM ALLISON 2500 HS AUTOMATIC TRANSMISSION, NO PTO PROVISION DETROIT DA-RS-17.5-4 17,500# R-SERIES SINGLE REAR AXLE 18,000# 52 INCH VARIABLE RATE MULTI-LEAF SPRING REAR SUSPENSION WITH LEAF SPRING HELPER	DETROIT DA-F-12.0-3 12,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE 12,000# DUAL TAPERLEAF FRONT SUSPENSION 106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB 4875MM (192 INCH) WHEELBASE 11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8/0.344X10.94 INCH) 80KSI 1900MM (75 INCH) REAR FRAME OVERHANG
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			PER UNIT		TOTAL
VEHICLE PRICE	TOTAL # OF UNITS (1)	\$	57,080	\$	57,080
		\$	0	\$	0
		\$	0	\$	0

### TAXES AND FEES

TAXES AND FEES	\$	0	\$	0
OTHER CHARGES	\$	0	\$	0

<b>BALANCE DUE</b>	<b>(LOCAL CURRENCY)</b>	<b>\$</b>	<b>57,080</b>	<b>\$</b>	<b>57,080</b>
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**COMMENTS:**

Projected delivery on \_\_\_ / \_\_\_ / \_\_\_ provided the order is received before \_\_\_ / \_\_\_ / \_\_\_.

**APPROVAL:**

Please indicate your acceptance of this quotation by signing below:

Customer: X \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_.



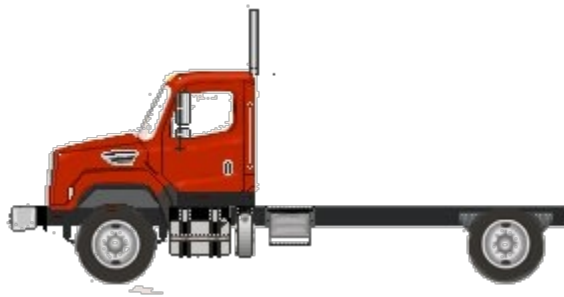
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*A proposal for*  
**State of Michigan-170D**

*Prepared by*  
**D & K TRUCK COMPANY**  
*Edward Merrill*  
*Mar 21, 2017*

**Freightliner 114SD**



Components shown may not reflect all spec'd options and are not to scale



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## S P E C I F I C A T I O N P R O P O S A L

Data Code	Description	Weight Front	Weight Rear	Retail Price
<b>Price Level</b>				
PRL-15D	SD PRL-15D (EFF:10/25/16)			STD
<b>Data Version</b>				
DRL-016	SPECPRO21 DATA RELEASE VER 016			N/C
<b>Vehicle Configuration</b>				
001-177	114SD CONVENTIONAL CHASSIS	7,934	6,576	\$152,985.00
004-218	2018 MODEL YEAR SPECIFIED			N/C
002-004	SET BACK AXLE - TRUCK	480	-480	(\$2,442.00)
019-001	TRAILER TOWING PROVISION AT END OF FRAME FOR TRUCK	10	10	\$1,197.00
003-001	LH PRIMARY STEERING LOCATION			STD
<b>General Service</b>				
AA1-003	TRUCK/TRAILER CONFIGURATION			N/C
AA6-001	DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)			STD
A85-010	UTILITY/REPAIR/MAINTENANCE SERVICE			N/C
A84-1GM	GOVERNMENT BUSINESS SEGMENT			N/C
AA4-010	DIRT/SAND/ROCK COMMODITY			N/C
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS			STD
AB1-008	MAXIMUM 8% EXPECTED GRADE			STD
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE			STD
995-1A0	FREIGHTLINER SD VOCATIONAL WARRANTY			N/C
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 18000.0 lbs			
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 26000.0 lbs			
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 44000.0 lbs			
A70-99D	EXPECTED GROSS COMBINATION WEIGHT : 80000.0 lbs			



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Data Code	Description	Weight Front	Weight Rear	Retail Price
<b>Truck Service</b>				
AA3-073	BELLY PLOW BODY WITH HIGH GROUND CLEARANCE			N/C
<b>Tractor Service</b>				
AA2-005	FLATBED TRAILER			N/C
AH6-001	SINGLE (1) TRAILER			N/C
<b>Engine</b>				
101-22T	CUM L9 350 HP @ 2000 RPM, 2200 GOV RPM, 1150 LB/FT @ 1400 RPM	-850	-70	(\$5,097.00)
<b>Electronic Parameters</b>				
79A-075	75 MPH ROAD SPEED LIMIT			N/C
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT			N/C
79K-007	PTO MODE ENGINE RPM LIMIT - 1100 RPM			N/C
79P-002	PTO RPM WITH CRUISE SET SWITCH - 700 RPM			N/C
79Q-003	PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM			N/C
79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH			N/C
79U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND			N/C
80G-002	PTO MINIMUM RPM - 700			N/C
80J-002	REGEN INHIBIT SPEED THRESHOLD - 5 MPH			N/C
<b>Engine Equipment</b>				
99C-017	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION			STD
99D-011	2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR)			\$109.00
PMT-998	NO 2013 ENGINE ESCALATOR			N/C
13E-001	STANDARD OIL PAN			STD
105-015	OIL FILL AND DIPSTICK LOCATED FOR ENHANCED SERVICEABILITY			\$122.00
104-002	FUMOTO DRAIN VALVE(S) ON OIL PAN			\$47.00
014-108	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER WITH SAFETY ELEMENT AND INSIDE/OUTSIDE AIR WITH SNOW DOOR	10		\$569.00
124-1DJ	DR 12V 160 AMP 36-SI BRUSHLESS QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE	10		\$135.00





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Data Code	Description	Weight Front	Weight Rear	Retail Price
292-071	(3) ALLIANCE MODEL 1231, GROUP 31, 12 VOLT MAINTENANCE FREE 3375 CCA THREADED STUD BATTERIES			STD
290-1CD	BATTERY BOX WITH ALUMINUM COVER MOUNTED SHORT SIDE TO RAIL	15		\$229.00
281-001	STANDARD BATTERY JUMPERS			STD
282-042	LH BATTERY BOX MOUNTED AS FAR AFT AS POSSIBLE, NO GREATER THAN 60 INCHES BACK OF CAB			\$261.00
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN			STD
289-001	NON-POLISHED BATTERY BOX COVER			STD
293-058	POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	8		\$230.00
295-003	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART CHASSIS MOUNTED LH BACK OF CAB	4		\$123.00
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE			N/C
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM			STD
128-076	CUMMINS EXHAUST BRAKE INTEGRAL WITH VARIABLE GEOMETRY TURBO WITH ON/OFF DASH SWITCH	20		N/C
016-1E2	RAISED RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE	40	35	\$1,369.00
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH			STD
239-014	09 FOOT 06 INCH (114 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT			(\$4.00)
237-1F8	RH CURVED VERTICAL TAILPIPE B-PILLAR RAISED UNDER STEP MOUNTED AFTERTREATMENT SYSTEM			N/C
23U-001	6 GALLON DIESEL EXHAUST FLUID TANK	-35	-10	(\$95.00)
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL			(\$17.00)
23Y-002	DIESEL EXHAUST FLUID PUMP MOUNTED AFT OF DIESEL EXHAUST FLUID TANK			\$32.00
43X-005	LH UNDER CAB DIESEL EXHAUST FLUID TANK LOCATION			\$105.00
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
242-011	ALUMINUM AFTERTREATMENT DEVICE/MUFFLER/TAILPIPE SHIELD(S)			N/C
273-048	HORTON 2-SPEED DRIVEMASTER ADVANTAGE POLAREXTREME FAN DRIVE			\$380.00
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED			STD
110-003	CUMMINS SPIN ON FUEL FILTER			N/C
118-008	COMBINATION FULL FLOW/BYPASS OIL FILTER			N/C
266-017	1300 SQUARE INCH ALUMINUM RADIATOR	-20		N/C
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT			STD
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT			STD
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES			STD
270-016	RADIATOR DRAIN VALVE			N/C
360-016	1310 ADAPTER FLANGE FOR FRONT PTO PROVISION	25		\$1,458.00
138-011	PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER	4		\$86.00
166-002	PHILLIPS-TEMRO 150 WATT/115 VOLT OIL PREHEATER	4		\$110.00
140-022	CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR			\$14.00
132-004	ELECTRIC GRID AIR INTAKE WARMER			N/C
155-058	DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH	-10		N/C

### Transmission

342-1M3	ALLISON 4500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	260	100	\$13,178.00
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### Transmission Equipment

343-339	ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV			STD
84B-012	ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES			N/C
84C-023	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			STD
84D-023	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
84E-000	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84F-000	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84G-000	PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84H-000	SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84L-000	LOAD BASED SHIFT SCHEDULE AND VEHICLE ACCELERATION CONTROL RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED VOCATIONAL USAGE			STD
84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES			STD
353-026	VEHICLE INTERFACE WIRING CONNECTOR WITH PDM AND NO BLUNT CUTS, AT BACK OF CAB			\$772.00
34C-002	ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR MOUNTED BACK OF CAB			\$70.00
362-1Y2	(2) CUSTOMER INSTALLED MUNCIE CS10 SERIES PTO'S			N/C
363-010	PTO MOUNTING, LH SIDE AND TOP RH SIDE OF MAIN TRANSMISSION			N/C
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN			STD
345-003	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED			STD
97G-004	TRANSMISSION PROGNOSTICS - ENABLED 2013			STD
370-015	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK	-30		N/C
346-003	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK			STD
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)			STD

### Front Axle and Equipment

400-1BA	DETROIT DA-F-18.0-5 18,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE	210		\$2,253.00
402-030	MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES	10		N/C
403-002	NON-ASBESTOS FRONT BRAKE LINING			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
419-023	CONMET CAST IRON FRONT BRAKE DRUMS			STD
427-001	FRONT BRAKE DUST SHIELDS	5		\$106.00
409-021	SKF SCOTSEAL PLUS XL FRONT OIL SEALS			STD
408-022	STEMCO SENTINEL BLUE ESP CENTER PLUG ALUMINUM VENTED FRONT HUB CAPS WITH WINDOW, WITHOUT SIDE PLUG - OIL			\$33.00
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES			STD
405-002	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS			STD
406-001	STANDARD KING PIN BUSHINGS			STD
536-012	TRW TAS-85 POWER STEERING	40		N/C
539-003	POWER STEERING PUMP			STD
534-003	4 QUART POWER STEERING RESERVOIR	5		\$48.00
533-001	OIL/AIR POWER STEERING COOLER	5		\$291.00
40T-002	SYNTHETIC 75W-90 FRONT AXLE LUBE			\$11.00
<b>Front Suspension</b>				
620-005	18,000# FLAT LEAF FRONT SUSPENSION	290		\$767.00
619-004	GRAPHITE BRONZE BUSHINGS WITH SEALS - FRONT SUSPENSION			N/C
410-998	NO FRONT SHOCK ABSORBERS	-30		N/C
<b>Rear Axle and Equipment</b>				
420-022	RS-26-185 26,000# T-SERIES SINGLE REAR AXLE		-2,080	(\$5,170.00)
421-538	5.38 REAR AXLE RATIO			N/C
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING			STD
386-076	MXL 17N MERITOR EXTENDED LUBE MAIN DRIVELINE WITH FULL ROUND YOKES			(\$405.00)
452-001	DRIVER CONTROLLED TRACTION DIFFERENTIAL - SINGLE REAR AXLE		20	\$667.00
878-018	(1) DRIVER CONTROLLED DIFFERENTIAL LOCK REAR VALVE FOR SINGLE DRIVE AXLE			N/C
87B-004	BLINKING LAMP WITH EACH MODE SWITCH, DIFFERENTIAL UNLOCK WITH IGNITION OFF, ACTIVE <5 MPH			N/C
423-010	MERITOR 16.5X7 P CAM REAR BRAKES, DOUBLE ANCHOR, CAST SHOES		20	N/C
433-002	NON-ASBESTOS REAR BRAKE LINING			STD
434-011	BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)			N/C
451-030	WEBB HEAVY WEIGHT CAST IRON REAR BRAKE DRUMS		80	N/C



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Data Code	Description	Weight Front	Weight Rear	Retail Price
425-002	REAR BRAKE DUST SHIELDS		5	\$61.00
440-021	SKF SCOTSEAL PLUS XL REAR OIL SEALS			STD
426-074	HALDEX GOLDSEAL LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS		-20	N/C
428-003	HALDEX AUTOMATIC REAR SLACK ADJUSTERS			\$43.00
41T-002	SYNTHETIC 75W-90 REAR AXLE LUBE			\$94.00
42T-001	STANDARD REAR AXLE BREATHER(S)			STD
<b>Rear Suspension</b>				
622-1DC	26,000# FLAT LEAF SPRING REAR SUSPENSION WITH HELPER AND RADIUS ROD		130	(\$1,323.00)
621-001	SPRING SUSPENSION - NO AXLE SPACERS			STD
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP			STD
623-005	FORE/AFT CONTROL RODS			N/C
<b>Brake System</b>				
490-100	WABCO 4S/4M ABS WITHOUT TRACTION CONTROL			STD
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES			STD
904-001	FIBER BRAID PARKING BRAKE HOSE			STD
412-001	STANDARD BRAKE SYSTEM VALVES			STD
46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM			STD
413-002	STD U.S. FRONT BRAKE VALVE			STD
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE			STD
480-083	WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER			STD
479-004	AIR DRYER MOUNTED OUTBOARD ON LH RAIL			N/C
460-090	STEEL AIR BRAKE RESERVOIRS, NO TRIPLE OR TORPEDO TANKS			N/C
477-001	PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS			STD
<b>Trailer Connections</b>				
914-001	AIR CONNECTIONS TO END OF FRAME WITH GLAD HANDS FOR TRUCK AND NO DUST COVERS			N/C
296-027	PRIMARY CONNECTOR/RECEPTACLE WIRED FOR COMBINATION STOP/TURN, CENTER PIN POWERED THROUGH IGNITION WITH STOP SIGNAL PREWIRE PACKAGE			\$225.00



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Data Code	Description	Weight Front	Weight Rear	Retail Price
297-001	SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME			N/C
335-004	UPGRADED CHASSIS MULTIPLEXING UNIT			STD
331-001	SUPPLEMENTAL J560 7-WAY RECEPTACLE LOCATED WITH PRIMARY RECEPTACLE			\$91.00
<b>Wheelbase &amp; Frame</b>				
545-460	4600MM (181 INCH) WHEELBASE			N/C
546-1B2	1/2X3.64X11-7/8 INCH STEEL FRAME (12.7MMX301.6MM/0.5X11.88 INCH) 120KSI	180	310	\$1,688.00
547-034	PARTIAL INNER FRAME REINFORCEMENT AT FRONT SUSPENSION	180		\$851.00
548-803	BODY COMPANY INSTALLED ADDITIONAL FRONT FRAME REINFORCEMENT FOR SNOW PLOW			N/C
552-061	2500MM (98 INCH) REAR FRAME OVERHANG			N/C
55W-009	FRAME OVERHANG RANGE: 91 INCH TO 100 INCH	-40	190	N/C
549-002	24 INCH INTEGRAL FRONT FRAME EXTENSION	115	-20	\$500.00
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 115.45 in			
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 112.45 in			
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 348.61			
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 115.45 in			
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 69.35 in			N/C
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 106.83 in			N/C
553-001	SQUARE END OF FRAME			STD
550-001	FRONT CLOSING CROSSMEMBER			STD
559-001	STANDARD WEIGHT ENGINE CROSSMEMBER			STD
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)			STD
572-001	STANDARD REARMOST CROSSMEMBER			STD
565-001	STANDARD SUSPENSION CROSSMEMBER			STD
<b>Chassis Equipment</b>				
556-1E5	14 INCH PAINTED STEEL BUMPER	20		\$242.00
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE			STD
585-042	BETTS B-25 PAINTED MUDFLAP BRACKETS		15	\$46.00
590-036	ECO-FLAP BLACK MUDFLAPS, NO LOGO		15	\$147.00
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS			STD



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<b>Fuel Tanks</b>				
204-190	40 GALLON/151 LITER RECTANGULAR ALUMINUM FUEL TANK - LH	-10	-5	(\$76.00)
218-005	RECTANGULAR FUEL TANK(S)			N/C
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS			STD
212-011	FUEL TANK(S) FORWARD - RAISED MOUNTING			\$360.00
664-001	PLAIN STEP FINISH			STD
205-001	FUEL TANK CAP(S)			STD
122-1H9	DAVCO 245 FUEL/WATER SEPARATOR WITH ESOC AND WATER IN FUEL SENSOR	20		\$385.00
216-020	EQUIFLO INBOARD FUEL SYSTEM			STD
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE			STD
<b>Tires</b>				
093-1Y1	GOODYEAR G296 MSA 385/65R22.5 18 PLY RADIAL FRONT TIRES	112		\$592.00
094-1X9	GOODYEAR G622 RSD 12R22.5 16 PLY RADIAL REAR TIRES		104	\$804.00
<b>Hubs</b>				
418-056	CONMET PRESET PLUS IRON FRONT HUBS			STD
450-056	CONMET PRESET PLUS IRON REAR HUBS			STD
<b>Wheels</b>				
502-574	ACCURIDE 29807 22.5X12.25 10-HUB PILOT 4.75 INSET 5-HAND STEEL DISC FRONT WHEELS	98		\$390.00
505-428	ACCURIDE 28828 22.5X8.25 10-HUB PILOT 2-HAND HD STEEL DISC REAR WHEELS		52	STD
<b>Cab Exterior</b>				
829-1A2	114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB			STD
650-008	AIR CAB MOUNTS			STD
648-002	NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE			STD
667-037	SHORT FENDER WITH MUDFLAP			\$131.00
754-017	BOLT-ON MOLDED FLEXIBLE FENDER EXTENSIONS	10		\$84.00
678-001	LH AND RH GRAB HANDLES			STD
646-041	STATIONARY BLACK GRILLE			STD
65X-004	BLACK HOOD MOUNTED AIR INTAKE GRILLE			STD



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644-006	FIBERGLASS HOOD WITH ACCESS HATCHES	10		\$590.00
690-017	HOOD LINER, ADDED FIREWALL AND FLOOR HEAT INSULATION	5		\$269.00
727-1AH	SINGLE 14 INCH ROUND POLISHED AIR HORN ROOF MOUNTED			STD
726-001	SINGLE ELECTRIC HORN			STD
728-001	SINGLE HORN SHIELD			STD
657-1CV	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME WITH (4) KEYS			\$19.00
575-001	REAR LICENSE PLATE MOUNT END OF FRAME			STD
327-012	SWITCH, INDICATOR LIGHT AND WIRING FOR (2) CUSTOMER FURNISHED BEACONS			\$58.00
312-068	HALOGEN COMPOSITE HEADLAMPS WITH BLACK BEZELS			STD
302-001	(5) AMBER MARKER LIGHTS			STD
315-808	WIRING AND SWITCH ONLY FOR CUSTOMER FURNISHED FOG LIGHTS			\$31.00
311-021	HEADLIGHTS ON WITH WIPERS, NO DAYTIME RUNNING LIGHTS			\$21.00
294-001	INTEGRAL STOP/TAIL/BACKUP LIGHTS			STD
300-015	STANDARD FRONT TURN SIGNAL LAMPS			STD
318-032	SWITCH, INDICATOR LIGHT AND APPROXIMATELY 10 FEET OF WIRE ON CHASSIS RH BACK OF CAB FOR CUSTOMER FURNISHED UTILITY LIGHT(S)			\$54.00
744-1BM	DUAL WEST COAST BRIGHT FINISH HEATED MIRRORS			\$159.00
797-001	DOOR MOUNTED MIRRORS			STD
796-001	102 INCH EQUIPMENT WIDTH			STD
743-204	LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS			N/C
729-001	STANDARD SIDE/REAR REFLECTORS			STD
677-062	FIXED CAB MOUNTED STEPS LH AND RH FOR CAB ENTRY, BELLY PLOW BODY WITH HIGH GROUND CLEARANCE DOES NOT COMPLY FMCSR 399			N/C
275-061	ELECTRIC HORN WARNING SYSTEM FOR PARK BRAKE NOT SET WITH DOOR OPEN AND ALL IGNITION KEY POSITIONS			N/C
768-043	63X14 INCH TINTED REAR WINDOW			STD
661-004	TINTED DOOR GLASS LH AND RH WITH TINTED OPERATING WING WINDOWS			STD





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Data Code	Description	Weight Front	Weight Rear	Retail Price
654-027	RH AND LH ELECTRIC POWERED WINDOWS, PASSENGER SWITCHES ON DOOR(S)	4		\$218.00
663-013	TINTED WINDSHIELD			STD
659-021	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED, WITH REMOTE FILL			\$104.00
<b>Cab Interior</b>				
707-1AK	OPAL GRAY VINYL INTERIOR			STD
706-013	MOLDED PLASTIC DOOR PANEL			STD
708-013	MOLDED PLASTIC DOOR PANEL			STD
772-006	BLACK MATS WITH SINGLE INSULATION			STD
785-004	DASH MOUNTED ASH TRAY(S) WITHOUT LIGHTER			STD
691-008	FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING			STD
742-007	(2) CUP HOLDERS LH AND RH DASH			STD
680-007	GRAY/CHARCOAL WING DASH			STD
860-004	SMART SWITCH EXPANSION MODULE			\$234.00
700-002	HEATER, DEFROSTER AND AIR CONDITIONER			STD
701-001	STANDARD HVAC DUCTING			STD
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH			STD
170-015	STANDARD HEATER PLUMBING			STD
130-033	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR			STD
702-002	BINARY CONTROL, R-134A			STD
739-034	PREMIUM INSULATION			\$190.00
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES			STD
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM			STD
324-011	DOME DOOR ACTIVATED LH AND RH, DUAL READING LIGHTS, FORWARD CAB ROOF			\$63.00
655-005	LH AND RH ELECTRIC DOOR LOCKS			\$99.00
284-023	(1) 12 VOLT POWER SUPPLY IN DASH			STD
756-1J3	BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	30		\$212.00
760-1J3	BASIC HIGH BACK AIR SUSPENSION PASSENGER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	25	10	\$246.00
759-005	DUAL DRIVER AND PASSENGER SEAT ARMRESTS	8		\$138.00



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Data Code	Description	Weight Front	Weight Rear	Retail Price
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS			STD
758-036	VINYL WITH VINYL INSERT DRIVER SEAT			STD
761-036	VINYL WITH VINYL INSERT PASSENGER SEAT			STD
763-101	BLACK SEAT BELTS			STD
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10		\$478.00
540-015	4-SPOKE 18 INCH (450MM) STEERING WHEEL			STD
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS			STD

**Instruments & Controls**

732-004	GRAY DRIVER INSTRUMENT PANEL			STD
734-004	GRAY CENTER INSTRUMENT PANEL			STD
87L-001	ENGINE REMOTE INTERFACE WITH PARK BRAKE INTERLOCK			N/C
870-001	BLACK GAUGE BEZELS			STD
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM			STD
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES			STD
198-003	DASH MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS			\$36.00
721-006	PRECO MODEL 360, CONSTANT 107 DB BACKUP ALARM		3	\$124.00
149-017	ELECTRONIC CRUISE CONTROL WITH SWITCHES ON AUXILIARY GAUGE PANEL (B DASH PANEL)			STD
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY			STD
811-042	ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED			STD
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH			STD
844-001	2 INCH ELECTRIC FUEL GAUGE			STD
148-070	ENGINE REMOTE INTERFACE WITH PRESET FAST IDLE			\$285.00
163-004	ENGINE REMOTE INTERFACE CONNECTOR IN ENGINE COMPARTMENT			N/C
33U-007	CHASSIS MODULE JUMPER AND BRACKET FOR BODY BUILDER TO RELOCATE THE CHASSIS MODULE INTO THE CAB			\$244.00
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE			STD



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864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE			STD
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY			STD
372-051	CUSTOMER FURNISHED AND INSTALLED PTO CONTROLS			N/C
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE			STD
679-001	OVERHEAD INSTRUMENT PANEL			\$76.00
746-114	AM/FM/WB WORLD TUNER RADIO WITH AUXILIARY INPUT, J1939	10		\$274.00
747-001	DASH MOUNTED RADIO			N/C
750-002	(2) RADIO SPEAKERS IN CAB			N/C
748-006	POWER AND GROUND WIRING PROVISION OVERHEAD			\$8.00
749-001	ROOF/OVERHEAD CONSOLE CB RADIO PROVISION			\$76.00
752-018	MULTI-BAND AM/FM/WB/CB DUAL MIRROR MOUNTED ANTENNA SYSTEM	4		\$253.00
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER			STD
817-001	STANDARD VEHICLE SPEED SENSOR			STD
812-001	ELECTRONIC 3000 RPM TACHOMETER			STD
813-998	NO VEHICLE PERFORMANCE MONITOR	-5		N/C
8D1-998	NO DIRECT CONNECT			N/C
8Z1-998	NO ZONAR SYSTEMS (SCO)			STD
162-002	IGNITION SWITCH CONTROLLED ENGINE STOP			STD
329-090	(10) IGN CONTROLLED EXTRA SWITCHES WITH IND LIGHTS WIRED TO POWER DIST BOX WITH RELAYS PROVIDING 20 AMPS PER CIRCUIT TO JUNCTION BLOCK AND 1 CIRCUIT AT 30 AMPS			\$574.00
81Y-001	PRE-TRIP LAMP INSPECTION, ALL OUTPUTS FLASH, WITH SMART SWITCH			\$12.00
482-001	BW TRACTOR PROTECTION VALVE			N/C
883-001	TRAILER HAND CONTROL BRAKE VALVE			N/C
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY			STD
660-025	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY PROGRAMMED TO SLOWEST SPEED WITH PARK BRAKE SET			\$22.00



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Data Code	Description	Weight Front	Weight Rear	Retail Price
304-039	MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH AND DUAL CONNECTORS AND SWITCH FOR CUSTOMER FURNISHED SNOW PLOW LIGHTS, LOW BEAMS OFF WITH HIGH BEAMS			\$182.00
882-004	TWO VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR			N/C
299-013	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE			STD
298-039	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS			STD
<b>Design</b>				
065-000	PAINT: ONE SOLID COLOR			STD
<b>Color</b>				
980-5E7	CAB COLOR A: L0789EB OMAHA ORANGE ELITE BC			N/C
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT			STD
98K-998	NO FUEL TANK CABINET PAINT			STD
962-972	POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)			STD
966-972	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)			STD
964-020	STANDARD BLACK BUMPER PAINT			STD
963-003	STANDARD E COAT/UNDERCOATING			STD
<b>Certification / Compliance</b>				



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## Q U O T A T I O N

### 114SD CONVENTIONAL CHASSIS

SET BACK AXLE - TRUCK CUM L9 350 HP @ 2000 RPM, 2200 GOV RPM, 1150 LB/FT @ 1400 RPM ALLISON 4500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION RS-26-185 26,000# T-SERIES SINGLE REAR AXLE 26,000# FLAT LEAF SPRING REAR SUSPENSION WITH HELPER AND RADIUS ROD DETROIT DA-F-18.0-5 18,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE 18,000# FLAT LEAF FRONT SUSPENSION	114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB 4600MM (181 INCH) WHEELBASE 1/2X3.64X11-7/8 INCH STEEL FRAME (12.7MMX301.6MM/0.5X11.88 INCH) 120KSI 2500MM (98 INCH) REAR FRAME OVERHANG PARTIAL INNER FRAME REINFORCEMENT AT FRONT SUSPENSION BODY COMPANY INSTALLED ADDITIONAL FRONT FRAME REINFORCEMENT FOR SNOW PLOW
--	--

			<b>PER UNIT</b>		<b>TOTAL</b>
VEHICLE PRICE	<b>TOTAL # OF UNITS (1)</b>	\$	90,357	\$	90,357
		\$	0	\$	0
		\$	0	\$	0
<b>CUSTOMER PRICE</b>		<b>\$</b>	<b>90,357</b>	<b>\$</b>	<b>90,357</b>

### TAXES AND FEES

TAXES AND FEES		\$	0	\$	0
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<b>BALANCE DUE</b>	<b>(LOCAL CURRENCY)</b>	<b>\$</b>	<b>90,357</b>	<b>\$</b>	<b>90,357</b>
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**COMMENTS:**

Projected delivery on \_\_\_ / \_\_\_ / \_\_\_ provided the order is received before \_\_\_ / \_\_\_ / \_\_\_.

**APPROVAL:**

Please indicate your acceptance of this quotation by signing below:

Customer: X \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_.



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*A proposal for*  
**State of Michigan- 0172D**

*Prepared by*  
**D & K TRUCK COMPANY**  
*Edward Merrill*  
*Mar 28, 2017*

## **Freightliner 114SD**



Components shown may not reflect all spec'd options and are not to scale



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## S P E C I F I C A T I O N P R O P O S A L

Data Code	Description	Weight Front	Weight Rear
<b>Price Level</b>			
PRL-15D	SD PRL-15D (EFF:10/25/16)		
<b>Data Version</b>			
DRL-017	SPECPRO21 DATA RELEASE VER 017		
<b>Vehicle Configuration</b>			
001-177	114SD CONVENTIONAL CHASSIS	7,934	6,576
004-218	2018 MODEL YEAR SPECIFIED		
002-003	SET FORWARD AXLE - TRUCK		
019-001	TRAILER TOWING PROVISION AT END OF FRAME FOR TRUCK	10	10
003-001	LH PRIMARY STEERING LOCATION		
<b>General Service</b>			
AA1-003	TRUCK/TRAILER CONFIGURATION		
AA6-001	DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
A85-010	UTILITY/REPAIR/MAINTENANCE SERVICE		
A84-1GM	GOVERNMENT BUSINESS SEGMENT		
AA4-010	DIRT/SAND/ROCK COMMODITY		
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS		
AB1-008	MAXIMUM 8% EXPECTED GRADE		
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
995-1AE	FREIGHTLINER LEVEL II WARRANTY		
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 18000.0 lbs		
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 46000.0 lbs		
A67-99D	EXPECTED PUSHER AXLE(S) LOAD : 0.0 lbs		
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 64000.0 lbs		
A70-99D	EXPECTED GROSS COMBINATION WEIGHT : 80000.0 lbs		



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Data Code	Description	Weight Front	Weight Rear
<b>Truck Service</b>			
AA3-073	BELLY PLOW BODY WITH HIGH GROUND CLEARANCE		
<b>Tractor Service</b>			
AA2-005	FLATBED TRAILER		
AH6-001	SINGLE (1) TRAILER		
<b>Engine</b>			
101-2X8	DETROIT DD13 12.8L 435 HP @ 1625 RPM, 1900 GOV RPM, 1550 LB/FT @ 975 RPM		
<b>Electronic Parameters</b>			
79A-075	75 MPH ROAD SPEED LIMIT		
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
79G-006	5 MINUTES IDLE SHUTDOWN WITH CLUTCH AND SERVICE BRAKE OVERRIDE		
79K-007	PTO MODE ENGINE RPM LIMIT - 1100 RPM		
<b>Engine Equipment</b>			
99C-017	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION		
99D-011	2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR)		
PMT-998	NO 2013 ENGINE ESCALATOR		
13E-001	STANDARD OIL PAN		
105-001	ENGINE MOUNTED OIL CHECK AND FILL		
104-002	FUMOTO DRAIN VALVE(S) ON OIL PAN		
014-108	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER WITH SAFETY ELEMENT AND INSIDE/OUTSIDE AIR WITH SNOW DOOR	10	
124-1DJ	DR 12V 160 AMP 36-SI BRUSHLESS QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE	10	
292-071	(3) ALLIANCE MODEL 1231, GROUP 31, 12 VOLT MAINTENANCE FREE 3375 CCA THREADED STUD BATTERIES		
290-1CD	BATTERY BOX WITH ALUMINUM COVER MOUNTED SHORT SIDE TO RAIL	15	
281-001	STANDARD BATTERY JUMPERS		
282-042	LH BATTERY BOX MOUNTED AS FAR AFT AS POSSIBLE, NO GREATER THAN 60 INCHES BACK OF CAB		





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291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
289-011	NON-POLISHED BATTERY BOX COVER WITH 3/16 INCH TETHER ON FORWARD SIDE OF COVER/BOX		
293-058	POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	8	
295-029	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2	
107-044	BW MODEL BA-921 19.0 CFM SINGLE CYLINDER AIR COMPRESSOR WITH SAFETY VALVE		
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
128-002	JACOBS COMPRESSION BRAKE		
016-1E2	RAISED RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE	40	35
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH		
239-014	09 FOOT 06 INCH (114 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT		
237-1F8	RH CURVED VERTICAL TAILPIPE B-PILLAR RAISED UNDER STEP MOUNTED AFTERTREATMENT SYSTEM		
23U-002	13 GALLON DIESEL EXHAUST FLUID TANK		
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL		
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING		
23Z-002	NON-POLISHED ALUMINUM DIESEL EXHAUST FLUID TANK COVER	15	5
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP		
242-011	ALUMINUM AFTERTREATMENT DEVICE/MUFFLER/TAILOPIPE SHIELD(S)		
273-036	BORG WARNER (KYSOR) REAR AIR ON/OFF ENGINE FAN CLUTCH		
276-002	AUTOMATIC FAN CONTROL WITH DASH SWITCH AND INDICATOR LIGHT, NON ENGINE MOUNTED		



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110-068	DDC SUPPLIED ENGINE MOUNTED FUEL FILTER/FUEL WATER SEPARATOR WITH WATER-IN-FUEL INDICATOR		
118-001	FULL FLOW OIL FILTER		
266-057	1500 SQUARE INCH ALUMINUM RADIATOR		
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT		
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		
270-023	HDEP FIXED RATIO COOLANT PUMP AND RADIATOR DRAIN VALVE		
168-002	LOWER RADIATOR GUARD	6	
360-013	1350 ADAPTER FLANGE FOR FRONT PTO PROVISION	25	
138-041	PHILLIPS-TEMRO 1500 WATT/115 VOLT BLOCK HEATER WITH THERMOSTAT	4	
140-053	BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		
155-074	DELCO 12V MOD 3.175-39MT+ OCP STARTER WITH THERMAL PROTECTION AND INTEGRATED MAGNETIC SWITCH		

### Transmission

342-1M3	ALLISON 4500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	260	100
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### Transmission Equipment

343-339	ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV		
84B-012	ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES		
84C-023	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84D-023	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84E-000	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		



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Data Code	Description	Weight Front	Weight Rear
84F-000	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84G-000	PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84H-000	SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84L-000	LOAD BASED SHIFT SCHEDULE AND VEHICLE ACCELERATION CONTROL RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED VOCATIONAL USAGE		
84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES		
353-026	VEHICLE INTERFACE WIRING CONNECTOR WITH PDM AND NO BLUNT CUTS, AT BACK OF CAB		
34C-001	ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR FIREWALL MOUNTED		
362-1Y2	(2) CUSTOMER INSTALLED MUNCIE CS10 SERIES PTO'S		
363-010	PTO MOUNTING, LH SIDE AND TOP RH SIDE OF MAIN TRANSMISSION		
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN		
345-003	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED		
97G-004	TRANSMISSION PROGNOSTICS - ENABLED 2013		
370-011	WATER TO OIL TRANSMISSION COOLER, FRAME MOUNTED		
346-003	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK		
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		

### Front Axle and Equipment

400-1BA	DETROIT DA-F-18.0-5 18,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE	210	
402-030	MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES	10	
403-002	NON-ASBESTOS FRONT BRAKE LINING		
419-023	CONMET CAST IRON FRONT BRAKE DRUMS		
427-001	FRONT BRAKE DUST SHIELDS	5	



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409-021	SKF SCOTSEAL PLUS XL FRONT OIL SEALS		
408-022	STEMCO SENTINEL BLUE ESP CENTER PLUG ALUMINUM VENTED FRONT HUB CAPS WITH WINDOW, WITHOUT SIDE PLUG - OIL		
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES		
405-002	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS		
406-001	STANDARD KING PIN BUSHINGS		
536-055	TRW THP-60 POWER STEERING WITH RCH45 AUXILIARY GEAR	130	
539-003	POWER STEERING PUMP		
534-003	4 QUART POWER STEERING RESERVOIR		
533-001	OIL/AIR POWER STEERING COOLER		
40T-002	SYNTHETIC 75W-90 FRONT AXLE LUBE		
<b>Front Suspension</b>			
620-005	18,000# FLAT LEAF FRONT SUSPENSION	290	
619-004	GRAPHITE BRONZE BUSHINGS WITH SEALS - FRONT SUSPENSION		
410-001	FRONT SHOCK ABSORBERS		
<b>Rear Axle and Equipment</b>			
420-103	RT-46-160 46,000# R-SERIES TANDEM REAR AXLE		420
421-489	4.89 REAR AXLE RATIO		
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
386-075	MXL 18T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES	60	60
388-073	MXL 17T MERITOR EXTENDED LUBE INTERAXLE DRIVELINE WITH HALF ROUND YOKES		
452-006	DRIVER CONTROLLED TRACTION DIFFERENTIAL - BOTH TANDEM REAR AXLES		40
878-023	(1) INTERAXLE LOCK VALVE, (1) DRIVER CONTROLLED DIFFERENTIAL LOCK FORWARD-REAR AND REAR-REAR AXLE VALVE		
87A-001	BLINKING LAMP WITH EACH INTERAXLE LOCK SWITCH, INTERAXLE UNLOCK DEFAULT WITH IGNITION OFF		
87B-004	BLINKING LAMP WITH EACH MODE SWITCH, DIFFERENTIAL UNLOCK WITH IGNITION OFF, ACTIVE <5 MPH		
423-020	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		



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433-002	NON-ASBESTOS REAR BRAKE LINING		
434-019	ASPHALT SPREADER CLEARANCE REAR BRAKE GEOMETRY		
451-023	CONMET CAST IRON REAR BRAKE DRUMS		
440-021	SKF SCOTSEAL PLUS XL REAR OIL SEALS		
426-075	HALDEX GOLDSEAL LONGSTROKE 2-DRIVE AXLES SPRING PARKING CHAMBERS		
428-003	HALDEX AUTOMATIC REAR SLACK ADJUSTERS		
41T-002	SYNTHETIC 75W-90 REAR AXLE LUBE		
42T-001	STANDARD REAR AXLE BREATHER(S)		
<b>Rear Suspension</b>			
622-1CJ	HENDRICKSON RT463 @46,000# REAR SUSPENSION		750
621-016	HENDRICKSON RT/RTE - 7.19" SADDLE		
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP		
624-028	56 INCH AXLE SPACING		160
628-005	STEEL BEAMS AND BRONZE CENTER BUSHINGS WITH BAR PIN ADJUSTABLE END CONNECTIONS		
623-005	FORE/AFT CONTROL RODS		
<b>Brake System</b>			
490-100	WABCO 4S/4M ABS WITHOUT TRACTION CONTROL		
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES		
904-001	FIBER BRAID PARKING BRAKE HOSE		
412-001	STANDARD BRAKE SYSTEM VALVES		
46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM		
413-002	STD U.S. FRONT BRAKE VALVE		
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE		
480-083	WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER		
483-004	WABCO OIL COALESCING FILTER FOR AIR DRYER		
479-004	AIR DRYER MOUNTED OUTBOARD ON LH RAIL		
460-1AE	STEEL AIR TANKS MOUNTED FOR MAX GROUND CLEARANCE, (BELLY PLOW - AA3-073)		
477-001	PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS		



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Data Code	Description	Weight Front	Weight Rear
<b>Trailer Connections</b>			
914-001	AIR CONNECTIONS TO END OF FRAME WITH GLAD HANDS FOR TRUCK AND NO DUST COVERS		
296-027	PRIMARY CONNECTOR/RECEPTACLE WIRED FOR COMBINATION STOP/TURN, CENTER PIN POWERED THROUGH IGNITION WITH STOP SIGNAL PREWIRE PACKAGE		
297-001	SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME		
335-004	UPGRADED CHASSIS MULTIPLEXING UNIT		
331-001	SUPPLEMENTAL J560 7-WAY RECEPTACLE LOCATED WITH PRIMARY RECEPTACLE		
<b>Wheelbase &amp; Frame</b>			
545-560	5600MM (220 INCH) WHEELBASE		
546-1B2	1/2X3.64X11-7/8 INCH STEEL FRAME (12.7MMX301.6MM/0.5X11.88 INCH) 120KSI	480	190
547-034	PARTIAL INNER FRAME REINFORCEMENT AT FRONT SUSPENSION	180	
548-803	BODY COMPANY INSTALLED ADDITIONAL FRONT FRAME REINFORCEMENT FOR SNOW PLOW		
552-041	1925MM (76 INCH) REAR FRAME OVERHANG		
55W-007	FRAME OVERHANG RANGE: 71 INCH TO 80 INCH	-20	110
549-002	24 INCH INTEGRAL FRONT FRAME EXTENSION	115	-20
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 136.54 in		
553-001	SQUARE END OF FRAME		
550-001	FRONT CLOSING CROSSMEMBER		
559-001	STANDARD WEIGHT ENGINE CROSSMEMBER		
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)		
572-001	STANDARD REARMOST CROSSMEMBER		
565-001	STANDARD SUSPENSION CROSSMEMBER		
<b>Chassis Equipment</b>			
556-1AG	16.5 INCH PAINTED STEEL STRAIGHT BUMPER		
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE		
585-042	BETTS B-25 PAINTED MUDFLAP BRACKETS		15
590-036	ECO-FLAP BLACK MUDFLAPS, NO LOGO		15
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS		



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<b>Fuel Tanks</b>			
204-192	50 GALLON/189 LITER RECTANGULAR ALUMINUM FUEL TANK - LH	-15	10
218-005	RECTANGULAR FUEL TANK(S)		
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
212-011	FUEL TANK(S) FORWARD - RAISED MOUNTING		
664-001	PLAIN STEP FINISH		
205-001	FUEL TANK CAP(S)		
122-1K4	DAVCO 487 FUEL/WATER SEPARATOR WITH ESOC AND 12 VOLT PREHEATER	10	
216-020	EQUIFLO INBOARD FUEL SYSTEM		
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
<b>Tires</b>			
093-1Y1	GOODYEAR G296 MSA 385/65R22.5 18 PLY RADIAL FRONT TIRES	112	
094-1KR	GOODYEAR G282 MSD 11R22.5 16 PLY RADIAL REAR TIRES		184
<b>Hubs</b>			
418-056	CONMET PRESET PLUS IRON FRONT HUBS		
450-056	CONMET PRESET PLUS IRON REAR HUBS		
<b>Wheels</b>			
502-574	ACCURIDE 29807 22.5X12.25 10-HUB PILOT 4.75 INSET 5-HAND STEEL DISC FRONT WHEELS	98	
505-428	ACCURIDE 28828 22.5X8.25 10-HUB PILOT 2-HAND HD STEEL DISC REAR WHEELS		104
<b>Cab Exterior</b>			
829-1A2	114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB		
650-008	AIR CAB MOUNTS		
648-002	NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE		
667-001	FRONT FENDERS		
754-002	3-1/2 INCH FENDER EXTENSIONS	15	
678-001	LH AND RH GRAB HANDLES		
646-041	STATIONARY BLACK GRILLE		
65X-004	BLACK HOOD MOUNTED AIR INTAKE GRILLE		
644-006	FIBERGLASS HOOD WITH ACCESS HATCHES	10	



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727-1AJ	DUAL 14 INCH ROUND POLISHED AIR HORNS	4	
726-001	SINGLE ELECTRIC HORN		
728-002	DUAL HORN SHIELDS		
657-1CV	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME WITH (4) KEYS		
575-001	REAR LICENSE PLATE MOUNT END OF FRAME		
327-012	SWITCH, INDICATOR LIGHT AND WIRING FOR (2) CUSTOMER FURNISHED BEACONS		
312-068	HALOGEN COMPOSITE HEADLAMPS WITH BLACK BEZELS		
302-001	(5) AMBER MARKER LIGHTS		
294-001	INTEGRAL STOP/TAIL/BACKUP LIGHTS		
300-015	STANDARD FRONT TURN SIGNAL LAMPS		
318-032	SWITCH, INDICATOR LIGHT AND APPROXIMATELY 10 FEET OF WIRE ON CHASSIS RH BACK OF CAB FOR CUSTOMER FURNISHED UTILITY LIGHT(S)		
744-1BC	DUAL WEST COAST BRIGHT FINISH HEATED MIRRORS WITH LH AND RH REMOTE		
797-001	DOOR MOUNTED MIRRORS		
796-001	102 INCH EQUIPMENT WIDTH		
743-204	LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS		
729-001	STANDARD SIDE/REAR REFLECTORS		
677-062	FIXED CAB MOUNTED STEPS LH AND RH FOR CAB ENTRY, BELLY PLOW BODY WITH HIGH GROUND CLEARANCE DOES NOT COMPLY FMCSR 399		
768-043	63X14 INCH TINTED REAR WINDOW		
661-004	TINTED DOOR GLASS LH AND RH WITH TINTED OPERATING WING WINDOWS		
654-027	RH AND LH ELECTRIC POWERED WINDOWS, PASSENGER SWITCHES ON DOOR(S)	4	
663-013	TINTED WINDSHIELD		
659-023	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, MID FRAME MOUNTED, WITH REMOTE FILL		

### Cab Interior

707-1AK	OPAL GRAY VINYL INTERIOR
706-013	MOLDED PLASTIC DOOR PANEL
708-013	MOLDED PLASTIC DOOR PANEL
772-006	BLACK MATS WITH SINGLE INSULATION





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Data Code	Description	Weight Front	Weight Rear
785-004	DASH MOUNTED ASH TRAY(S) WITHOUT LIGHTER		
691-008	FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING		
693-023	LH DOOR MAP POCKET		
742-007	(2) CUP HOLDERS LH AND RH DASH		
680-007	GRAY/CHARCOAL WING DASH		
860-004	SMART SWITCH EXPANSION MODULE		
700-002	HEATER, DEFROSTER AND AIR CONDITIONER		
701-001	STANDARD HVAC DUCTING		
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
170-015	STANDARD HEATER PLUMBING		
130-033	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR		
702-002	BINARY CONTROL, R-134A		
739-034	PREMIUM INSULATION		
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES		
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM		
324-011	DOMED DOOR ACTIVATED LH AND RH, DUAL READING LIGHTS, FORWARD CAB ROOF		
655-005	LH AND RH ELECTRIC DOOR LOCKS		
284-023	(1) 12 VOLT POWER SUPPLY IN DASH		
756-1J3	BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	30	
760-1J3	BASIC HIGH BACK AIR SUSPENSION PASSENGER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	25	10
759-005	DUAL DRIVER AND PASSENGER SEAT ARMRESTS	8	
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS		
758-036	VINYL WITH VINYL INSERT DRIVER SEAT		
761-036	VINYL WITH VINYL INSERT PASSENGER SEAT		
763-101	BLACK SEAT BELTS		
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10	
540-015	4-SPOKE 18 INCH (450MM) STEERING WHEEL		
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS		



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<b>Instruments &amp; Controls</b>			
732-004	GRAY DRIVER INSTRUMENT PANEL		
734-004	GRAY CENTER INSTRUMENT PANEL		
87L-001	ENGINE REMOTE INTERFACE WITH PARK BRAKE INTERLOCK		
870-001	BLACK GAUGE BEZELS		
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM		
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES		
198-003	DASH MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS		
149-017	ELECTRONIC CRUISE CONTROL WITH SWITCHES ON AUXILIARY GAUGE PANEL (B DASH PANEL)		
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY		
811-042	ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED		
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH		
844-001	2 INCH ELECTRIC FUEL GAUGE		
845-011	FUEL FILTER RESTRICTION INDICATOR		
148-070	ENGINE REMOTE INTERFACE WITH PRESET FAST IDLE		
163-004	ENGINE REMOTE INTERFACE CONNECTOR IN ENGINE COMPARTMENT		
33U-007	CHASSIS MODULE JUMPER AND BRACKET FOR BODY BUILDER TO RELOCATE THE CHASSIS MODULE INTO THE CAB		
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE		
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		
372-051	CUSTOMER FURNISHED AND INSTALLED PTO CONTROLS		
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE		
679-001	OVERHEAD INSTRUMENT PANEL		
746-114	AM/FM/WB WORLD TUNER RADIO WITH AUXILIARY INPUT, J1939	10	



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Data Code	Description	Weight Front	Weight Rear
747-001	DASH MOUNTED RADIO		
750-002	(2) RADIO SPEAKERS IN CAB		
753-001	AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF	2	
748-006	POWER AND GROUND WIRING PROVISION OVERHEAD		
749-001	ROOF/OVERHEAD CONSOLE CB RADIO PROVISION		
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		
817-001	STANDARD VEHICLE SPEED SENSOR		
812-001	ELECTRONIC 3000 RPM TACHOMETER		
813-1B4	VT-HU CONNECTIVITY PLATFORM HARDWARE		
8D1-002	2 YEARS DETROIT CONNECT BASE PACKAGE (VIRTUAL TECHNICIAN, DETROIT CONNECT PORTAL ACCESS) FOR VT-HU CONNECTIVITY PLATFORM		
8Z1-998	NO ZONAR SYSTEMS (SCO)		
162-002	IGNITION SWITCH CONTROLLED ENGINE STOP		
329-090	(10) IGN CONTROLLED EXTRA SWITCHES WITH IND LIGHTS WIRED TO POWER DIST BOX WITH RELAYS PROVIDING 20 AMPS PER CIRCUIT TO JUNCTION BLOCK AND 1 CIRCUIT AT 30 AMPS		
81Y-001	PRE-TRIP LAMP INSPECTION, ALL OUTPUTS FLASH, WITH SMART SWITCH		
482-001	BW TRACTOR PROTECTION VALVE		
883-001	TRAILER HAND CONTROL BRAKE VALVE		
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		
660-008	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY		
304-039	MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH AND DUAL CONNECTORS AND SWITCH FOR CUSTOMER FURNISHED SNOW PLOW LIGHTS, LOW BEAMS OFF WITH HIGH BEAMS		
882-004	TWO VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR		
299-013	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE		
298-039	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS		



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Data Code	Description	Weight Front	Weight Rear
<b>Design</b>			
065-000	PAINT: ONE SOLID COLOR		
<b>Color</b>			
980-5E7	CAB COLOR A: L0789EB OMAHA ORANGE ELITE BC		
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT		
98K-998	NO FUEL TANK CABINET PAINT		
962-972	POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)		
966-972	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)		
964-020	STANDARD BLACK BUMPER PAINT		
963-003	STANDARD E COAT/UNDERCOATING		

<b>Weight Summary</b>			
	Weight Front	Weight Rear	Total Weight
Factory Weight <sup>+</sup>	10122 lbs	8774 lbs	18896 lbs
<b>Total Weight<sup>+</sup></b>	<b>10122 lbs</b>	<b>8774 lbs</b>	<b>18896 lbs</b>

(+) Weights shown are estimates only.  
 If weight is critical, contact Customer Application Engineering.



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## Q U O T A T I O N

### 114SD CONVENTIONAL CHASSIS

SET FORWARD AXLE - TRUCK DETROIT DD13 12.8L 435 HP @ 1625 RPM, 1900 GOV RPM, 1550 LB/FT @ 975 RPM ALLISON 4500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION RT-46-160 46,000# R-SERIES TANDEM REAR AXLE HENDRICKSON RT463 @46,000# REAR SUSPENSION DETROIT DA-F-18.0-5 18,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE 18,000# FLAT LEAF FRONT SUSPENSION	114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB 5600MM (220 INCH) WHEELBASE 1/2X3.64X11-7/8 INCH STEEL FRAME (12.7MMX301.6MM/0.5X11.88 INCH) 120KSI 1925MM (76 INCH) REAR FRAME OVERHANG PARTIAL INNER FRAME REINFORCEMENT AT FRONT SUSPENSION BODY COMPANY INSTALLED ADDITIONAL FRONT FRAME REINFORCEMENT FOR SNOW PLOW
--	--

			PER UNIT		TOTAL
VEHICLE PRICE	<b>TOTAL # OF UNITS (1)</b>	\$	104,254	\$	104,254
		\$	0	\$	0
		\$	0	\$	0
<b>CUSTOMER PRICE BEFORE TAX</b>		<b>\$</b>	<b>104,254</b>	<b>\$</b>	<b>104,254</b>

### TAXES AND FEES

TAXES AND FEES	\$	0	\$	0
OTHER CHARGES	\$	0	\$	0

<b>BALANCE DUE</b>		<b>(LOCAL CURRENCY) \$</b>	<b>104,254</b>	<b>\$</b>	<b>104,254</b>
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**COMMENTS:**

Projected delivery on \_\_\_ / \_\_\_ / \_\_\_ provided the order is received before \_\_\_ / \_\_\_ / \_\_\_.

**APPROVAL:**

Please indicate your acceptance of this quotation by signing below:

Customer: X \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_.



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*A proposal for*  
**State of Michigan-173D Freightliner**

*Prepared by*  
**D & K TRUCK COMPANY**  
*Edward Merrill*  
*Mar 22, 2017*

**Freightliner 114SD**



Components shown may not reflect all spec'd options and are not to scale

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## S P E C I F I C A T I O N P R O P O S A L

Data Code	Description	Weight Front	Weight Rear
<b>Price Level</b>			
PRL-15D	SD PRL-15D (EFF:10/25/16)		
<b>Data Version</b>			
DRL-016	SPECPRO21 DATA RELEASE VER 016		
<b>Vehicle Configuration</b>			
001-177	114SD CONVENTIONAL CHASSIS	7,934	6,576
004-218	2018 MODEL YEAR SPECIFIED		
002-004	SET BACK AXLE - TRUCK	480	-480
019-001	TRAILER TOWING PROVISION AT END OF FRAME FOR TRUCK	10	10
003-001	LH PRIMARY STEERING LOCATION		
<b>General Service</b>			
AA1-003	TRUCK/TRAILER CONFIGURATION		
AA6-001	DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
A85-010	UTILITY/REPAIR/MAINTENANCE SERVICE		
A84-1GM	GOVERNMENT BUSINESS SEGMENT		
AA4-010	DIRT/SAND/ROCK COMMODITY		
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS		
AB1-008	MAXIMUM 8% EXPECTED GRADE		
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
995-1AE	FREIGHTLINER LEVEL II WARRANTY		
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 12000.0 lbs		
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 40000.0 lbs		
A67-99D	EXPECTED PUSHER AXLE(S) LOAD : 0.0 lbs		
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 52000.0 lbs		
A70-99D	EXPECTED GROSS COMBINATION WEIGHT : 58000.0 lbs		



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Data Code	Description	Weight Front	Weight Rear
<b>Truck Service</b>			
AA3-005	FLATBED/PLATFORM/STAKE BODY		
<b>Tractor Service</b>			
AA2-005	FLATBED TRAILER		
AH6-001	SINGLE (1) TRAILER		
<b>Engine</b>			
101-22M	CUM L9 260 HP @ 2200 RPM; 2200 GOV RPM, 720 LB/FT @ 1300 RPM	-850	-70
<b>Electronic Parameters</b>			
79A-075	75 MPH ROAD SPEED LIMIT		
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
79K-007	PTO MODE ENGINE RPM LIMIT - 1100 RPM		
79P-002	PTO RPM WITH CRUISE SET SWITCH - 700 RPM		
79Q-003	PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM		
79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH		
79U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND		
80G-002	PTO MINIMUM RPM - 700		
80J-002	REGEN INHIBIT SPEED THRESHOLD - 5 MPH		
<b>Engine Equipment</b>			
99C-017	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION		
99D-011	2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR)		
PMT-998	NO 2013 ENGINE ESCALATOR		
13E-001	STANDARD OIL PAN		
105-001	ENGINE MOUNTED OIL CHECK AND FILL		
014-108	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER WITH SAFETY ELEMENT AND INSIDE/OUTSIDE AIR WITH SNOW DOOR	10	
124-1DJ	DR 12V 160 AMP 36-SI BRUSHLESS QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE	10	
292-071	(3) ALLIANCE MODEL 1231, GROUP 31, 12 VOLT MAINTENANCE FREE 3375 CCA THREADED STUD BATTERIES		
290-1CD	BATTERY BOX WITH ALUMINUM COVER MOUNTED SHORT SIDE TO RAIL	15	





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Data Code	Description	Weight Front	Weight Rear
281-001	STANDARD BATTERY JUMPERS		
282-042	LH BATTERY BOX MOUNTED AS FAR AFT AS POSSIBLE, NO GREATER THAN 60 INCHES BACK OF CAB		
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
289-001	NON-POLISHED BATTERY BOX COVER		
293-058	POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	8	
295-029	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2	
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE		
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
128-076	CUMMINS EXHAUST BRAKE INTEGRAL WITH VARIABLE GEOMETRY TURBO WITH ON/OFF DASH SWITCH	20	
016-1C3	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE		
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH		
239-001	STANDARD EXHAUST SYSTEM LENGTH		
237-052	RH STANDARD HORIZONTAL TAILPIPE		
23U-002	13 GALLON DIESEL EXHAUST FLUID TANK		
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL		
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING		
23Z-002	NON-POLISHED ALUMINUM DIESEL EXHAUST FLUID TANK COVER	15	5
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP		
273-048	HORTON 2-SPEED DRIVEMASTER ADVANTAGE POLAREXTREME FAN DRIVE		
276-002	AUTOMATIC FAN CONTROL WITH DASH SWITCH AND INDICATOR LIGHT, NON ENGINE MOUNTED		
110-003	CUMMINS SPIN ON FUEL FILTER		
118-008	COMBINATION FULL FLOW/BYPASS OIL FILTER		



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Data Code	Description	Weight Front	Weight Rear
266-017	1300 SQUARE INCH ALUMINUM RADIATOR	-20	
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT		
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		
270-016	RADIATOR DRAIN VALVE		
138-011	PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER	4	
140-022	CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		
132-004	ELECTRIC GRID AIR INTAKE WARMER		
155-058	DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH	-10	

### Transmission

342-1M3	ALLISON 4500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	260	100
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### Transmission Equipment

343-339	ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV		
84B-012	ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES		
84C-023	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84D-023	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84E-000	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84F-000	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84G-000	PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84H-000	SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		



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Data Code	Description	Weight Front	Weight Rear
84L-000	LOAD BASED SHIFT SCHEDULE AND VEHICLE ACCELERATION CONTROL RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED VOCATIONAL USAGE		
84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES		
353-064	VEHICLE INTERFACE WIRING CONNECTOR WITH BLUNT CUTS, AT FIREWALL		
34C-001	ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR FIREWALL MOUNTED		
362-1Y2	(2) CUSTOMER INSTALLED MUNCIE CS10 SERIES PTO'S		
363-010	PTO MOUNTING, LH SIDE AND TOP RH SIDE OF MAIN TRANSMISSION		
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN		
345-003	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED		
97G-004	TRANSMISSION PROGNOSTICS - ENABLED 2013		
370-015	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK	-30	
346-003	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK		
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		

### Front Axle and Equipment

400-1A6	DETROIT DA-F-12.0-3 12,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE		
402-020	MERITOR 15X4 Q+ CAM FRONT BRAKES		
403-002	NON-ASBESTOS FRONT BRAKE LINING		
419-023	CONMET CAST IRON FRONT BRAKE DRUMS		
409-021	SKF SCOTSEAL PLUS XL FRONT OIL SEALS		
408-022	STEMCO SENTINEL BLUE ESP CENTER PLUG ALUMINUM VENTED FRONT HUB CAPS WITH WINDOW, WITHOUT SIDE PLUG - OIL		
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES		
405-002	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS		
406-001	STANDARD KING PIN BUSHINGS		
536-050	TRW THP-60 POWER STEERING		
539-003	POWER STEERING PUMP		
534-003	4 QUART POWER STEERING RESERVOIR	5	
40T-002	SYNTHETIC 75W-90 FRONT AXLE LUBE		



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Data Code	Description	Weight Front	Weight Rear
<b>Front Suspension</b>			
620-1F0	12,000# DUAL TAPERLEAF FRONT SUSPENSION	42	
619-005	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION		
410-001	FRONT SHOCK ABSORBERS		
<b>Rear Axle and Equipment</b>			
420-1GR	DETROIT DA-RT-40.0-4 HT 40,000# R-SERIES TANDEM REAR AXLE		
421-614	6.14 REAR AXLE RATIO		
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
386-073	MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES		
388-073	MXL 17T MERITOR EXTENDED LUBE INTERAXLE DRIVELINE WITH HALF ROUND YOKES		
878-019	(1) INTERAXLE LOCK VALVE FOR TANDEM OR TRIDEM DRIVE AXLES		
87A-001	BLINKING LAMP WITH EACH INTERAXLE LOCK SWITCH, INTERAXLE UNLOCK DEFAULT WITH IGNITION OFF		
423-020	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
433-002	NON-ASBESTOS REAR BRAKE LINING		
434-003	STANDARD BRAKE CHAMBER LOCATION		
451-023	CONMET CAST IRON REAR BRAKE DRUMS		
440-021	SKF SCOTSEAL PLUS XL REAR OIL SEALS		
426-075	HALDEX GOLDSEAL LONGSTROKE 2-DRIVE AXLES SPRING PARKING CHAMBERS		
428-003	HALDEX AUTOMATIC REAR SLACK ADJUSTERS		
41T-002	SYNTHETIC 75W-90 REAR AXLE LUBE		
42T-001	STANDARD REAR AXLE BREATHER(S)		
<b>Rear Suspension</b>			
622-006	40,000# 4-SPRING FLAT LEAF REAR SUSPENSION		
621-001	SPRING SUSPENSION - NO AXLE SPACERS		
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP		
624-011	52 INCH AXLE SPACING		
623-001	HEAVY DUTY FORE/AFT CONTROL RODS		
<b>Brake System</b>			



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Data Code	Description	Weight Front	Weight Rear
490-100	WABCO 4S/4M ABS WITHOUT TRACTION CONTROL		
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES		
904-001	FIBER BRAID PARKING BRAKE HOSE		
412-001	STANDARD BRAKE SYSTEM VALVES		
46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM		
413-002	STD U.S. FRONT BRAKE VALVE		
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE		
480-083	WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER		
483-004	WABCO OIL COALESCING FILTER FOR AIR DRYER		
479-004	AIR DRYER MOUNTED OUTBOARD ON LH RAIL		
460-090	STEEL AIR BRAKE RESERVOIRS, NO TRIPLE OR TORPEDO TANKS		
477-001	PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS		

### Trailer Connections

914-001	AIR CONNECTIONS TO END OF FRAME WITH GLAD HANDS FOR TRUCK AND NO DUST COVERS		
296-027	PRIMARY CONNECTOR/RECEPTACLE WIRED FOR COMBINATION STOP/TURN, CENTER PIN POWERED THROUGH IGNITION WITH STOP SIGNAL PREWIRE PACKAGE		
297-001	SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME		
335-004	UPGRADED CHASSIS MULTIPLEXING UNIT		
331-001	SUPPLEMENTAL J560 7-WAY RECEPTACLE LOCATED WITH PRIMARY RECEPTACLE		

### Wheelbase & Frame

545-472	4725MM (186 INCH) WHEELBASE		
546-102	7/16X3-9/16X11-1/8 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI	260	150
552-014	1900MM (75 INCH) REAR FRAME OVERHANG		
55W-007	FRAME OVERHANG RANGE: 71 INCH TO 80 INCH	-20	100
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 120.45 in		
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 117.45 in		



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Data Code	Description	Weight Front	Weight Rear
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 291.12		
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 120.45 in		
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 35.6 in		
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 43.2 in		
553-001	SQUARE END OF FRAME		
550-001	FRONT CLOSING CROSSMEMBER		
559-001	STANDARD WEIGHT ENGINE CROSSMEMBER		
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)		
572-001	STANDARD REARMOST CROSSMEMBER		
565-001	STANDARD SUSPENSION CROSSMEMBER		
<b>Chassis Equipment</b>			
556-1E5	14 INCH PAINTED STEEL BUMPER	20	
558-033	REMOVABLE FRONT TOW HOOKS STORED ON THE CHASSIS FRAME	25	
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE		
585-042	BETTS B-25 PAINTED MUDFLAP BRACKETS		15
590-036	ECO-FLAP BLACK MUDFLAPS, NO LOGO		15
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS		
<b>Fuel Tanks</b>			
206-150	50 GALLON/189 LITER ALUMINUM FUEL TANK - RH	80	20
204-150	50 GALLON/189 LITER ALUMINUM FUEL TANK - LH	-5	
218-001	23 INCH DIAMETER FUEL TANK(S)		
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
212-014	LH FUEL TANK MOUNTED FORWARD, RH FUEL TANK MOUNTED AFT		
664-001	PLAIN STEP FINISH		
205-001	FUEL TANK CAP(S)		
122-1H4	DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR AND 12 VOLT PREHEATER	5	
216-020	EQUIFLO INBOARD FUEL SYSTEM		
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		

**Tires**



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Data Code	Description	Weight Front	Weight Rear
093-1TV	HANKOOK AH37 11R22.5 16 PLY RADIAL FRONT TIRES	18	
094-2EU	HANKOOK DH06 11R22.5 14 PLY RADIAL REAR TIRES		128

### Hubs

418-056	CONMET PRESET PLUS IRON FRONT HUBS
450-056	CONMET PRESET PLUS IRON REAR HUBS

### Wheels

502-1F2	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC FRONT WHEELS
505-1F2	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC REAR WHEELS

### Cab Exterior

829-1A2	114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB	
650-008	AIR CAB MOUNTS	
648-002	NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE	
667-004	FRONT FENDERS SET-BACK AXLE	
678-001	LH AND RH GRAB HANDLES	
646-041	STATIONARY BLACK GRILLE	
65X-004	BLACK HOOD MOUNTED AIR INTAKE GRILLE	
644-004	FIBERGLASS HOOD	
727-1AJ	DUAL 14 INCH ROUND POLISHED AIR HORNS	4
726-001	SINGLE ELECTRIC HORN	
728-002	DUAL HORN SHIELDS	
657-1CV	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME WITH (4) KEYS	
575-001	REAR LICENSE PLATE MOUNT END OF FRAME	
312-068	HALOGEN COMPOSITE HEADLAMPS WITH BLACK BEZELS	
302-001	(5) AMBER MARKER LIGHTS	
294-001	INTEGRAL STOP/TAIL/BACKUP LIGHTS	
300-015	STANDARD FRONT TURN SIGNAL LAMPS	
744-1BN	DUAL WEST COAST BRIGHT FINISH MIRRORS	
797-001	DOOR MOUNTED MIRRORS	
796-001	102 INCH EQUIPMENT WIDTH	
743-204	LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS	



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Data Code	Description	Weight Front	Weight Rear
729-001	STANDARD SIDE/REAR REFLECTORS		
677-998	NO CAB MOUNTED STEPS		
768-043	63X14 INCH TINTED REAR WINDOW		
661-004	TINTED DOOR GLASS LH AND RH WITH TINTED OPERATING WING WINDOWS		
654-003	MANUAL DOOR WINDOW REGULATORS		
663-013	TINTED WINDSHIELD		
659-020	2 GALLON WINDSHIELD WASHER RESERVOIR WITH FLUID LEVEL INDICATOR, FRAME MOUNTED		
<b>Cab Interior</b>			
707-1AK	OPAL GRAY VINYL INTERIOR		
706-013	MOLDED PLASTIC DOOR PANEL		
708-013	MOLDED PLASTIC DOOR PANEL		
772-006	BLACK MATS WITH SINGLE INSULATION		
785-004	DASH MOUNTED ASH TRAY(S) WITHOUT LIGHTER		
691-008	FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING		
742-007	(2) CUP HOLDERS LH AND RH DASH		
680-007	GRAY/CHARCOAL WING DASH		
860-004	SMART SWITCH EXPANSION MODULE		
700-002	HEATER, DEFROSTER AND AIR CONDITIONER		
701-001	STANDARD HVAC DUCTING		
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
170-015	STANDARD HEATER PLUMBING		
130-033	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR		
702-002	BINARY CONTROL, R-134A		
739-033	STANDARD INSULATION		
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES		
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM		
324-011	DOMED DOOR ACTIVATED LH AND RH, DUAL READING LIGHTS, FORWARD CAB ROOF		
655-001	CAB DOOR LATCHES WITH MANUAL DOOR LOCKS		
284-023	(1) 12 VOLT POWER SUPPLY IN DASH		





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Data Code	Description	Weight Front	Weight Rear
756-1J3	BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	30	
760-1DC	BASIC HIGH BACK NON SUSPENSION PASSENGER SEAT		
759-005	DUAL DRIVER AND PASSENGER SEAT ARMRESTS	8	
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS		
758-036	VINYL WITH VINYL INSERT DRIVER SEAT		
761-036	VINYL WITH VINYL INSERT PASSENGER SEAT		
763-101	BLACK SEAT BELTS		
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10	
540-015	4-SPOKE 18 INCH (450MM) STEERING WHEEL		
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS		

### Instruments & Controls

732-004	GRAY DRIVER INSTRUMENT PANEL		
734-004	GRAY CENTER INSTRUMENT PANEL		
87L-001	ENGINE REMOTE INTERFACE WITH PARK BRAKE INTERLOCK		
870-001	BLACK GAUGE BEZELS		
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM		
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES		
198-003	DASH MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS		
149-017	ELECTRONIC CRUISE CONTROL WITH SWITCHES ON AUXILIARY GAUGE PANEL (B DASH PANEL)		
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY		
811-042	ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED		
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH		
844-001	2 INCH ELECTRIC FUEL GAUGE		
148-070	ENGINE REMOTE INTERFACE WITH PRESET FAST IDLE		
163-004	ENGINE REMOTE INTERFACE CONNECTOR IN ENGINE COMPARTMENT		



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Data Code	Description	Weight Front	Weight Rear
33U-007	CHASSIS MODULE JUMPER AND BRACKET FOR BODY BUILDER TO RELOCATE THE CHASSIS MODULE INTO THE CAB		
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE		
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		
372-051	CUSTOMER FURNISHED AND INSTALLED PTO CONTROLS		
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE		
679-001	OVERHEAD INSTRUMENT PANEL		
746-114	AM/FM/WB WORLD TUNER RADIO WITH AUXILIARY INPUT, J1939	10	
747-001	DASH MOUNTED RADIO		
750-002	(2) RADIO SPEAKERS IN CAB		
753-001	AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF	2	
748-006	POWER AND GROUND WIRING PROVISION OVERHEAD		
749-001	ROOF/OVERHEAD CONSOLE CB RADIO PROVISION		
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		
817-001	STANDARD VEHICLE SPEED SENSOR		
812-001	ELECTRONIC 3000 RPM TACHOMETER		
813-998	NO VEHICLE PERFORMANCE MONITOR	-5	
8D1-998	NO DIRECT CONNECT		
8Z1-998	NO ZONAR SYSTEMS (SCO)		
162-002	IGNITION SWITCH CONTROLLED ENGINE STOP		
329-091	(6) IGN CONTROLLED EXTRA SWITCHES WITH IND LIGHTS WIRED TO POWER DIST BOX WITH RELAYS PROVIDING 20 AMPS PER CIRCUIT TO JUNCTION BLOCK AND 1 CIRCUIT AT 30 AMPS		
482-001	BW TRACTOR PROTECTION VALVE		
883-001	TRAILER HAND CONTROL BRAKE VALVE		
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		
660-008	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY		
304-001	MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH		



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<b>Data Code</b>	<b>Description</b>	<b>Weight Front</b>	<b>Weight Rear</b>
882-004	TWO VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR		
299-013	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE		
298-039	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS		

### Design

065-000	PAINT: ONE SOLID COLOR		
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### Color

980-5E7	CAB COLOR A: L0789EB OMAHA ORANGE ELITE BC		
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT		
98K-998	NO FUEL TANK CABINET PAINT		
962-972	POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)		
966-972	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)		
964-020	STANDARD BLACK BUMPER PAINT		
963-003	STANDARD E COAT/UNDERCOATING		

### Certification / Compliance

If weight is critical, contact Customer Application Engineering.

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## Q U O T A T I O N

### 114SD CONVENTIONAL CHASSIS

SET BACK AXLE - TRUCK	DETROIT DA-F-12.0-3 12,000# FF1 71.5 KPI/3.74 DROP
CUM L9 260 HP @ 2200 RPM; 2200 GOV RPM, 720 LB/FT @ 1300 RPM	SINGLE FRONT AXLE
ALLISON 4500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	12,000# DUAL TAPERLEAF FRONT SUSPENSION
DETROIT DA-RT-40.0-4 HT 40,000# R-SERIES TANDEM REAR AXLE	114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
40,000# 4-SPRING FLAT LEAF REAR SUSPENSION	4725MM (186 INCH) WHEELBASE
	7/16X3-9/16X11-1/8 INCH STEEL FRAME
	(11.11MMX282.6MM/0.437X11.13 INCH) 120KSI
	1900MM (75 INCH) REAR FRAME OVERHANG

			PER UNIT		TOTAL
VEHICLE PRICE	TOTAL # OF UNITS (1)	\$	82,550	\$	82,550
<b>CUSTOMER PRICE BEFORE TAX</b>		<b>\$</b>	<b>82,550</b>	<b>\$</b>	<b>82,550</b>

### TAXES AND FEES

TAXES AND FEES	\$	0	\$	0
OTHER CHARGES	\$	0	\$	0

### TRADE-IN

BALANCE DUE	(LOCAL CURRENCY)	\$	82,550	\$	82,550
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#### COMMENTS:

Projected delivery on \_\_\_ / \_\_\_ / \_\_\_ provided the order is received before \_\_\_ / \_\_\_ / \_\_\_.

#### APPROVAL:

Please indicate your acceptance of this quotation by signing below:

Customer: X \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_.



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*A proposal for*  
**State of Michigan-178D Freightliner**

*Prepared by*  
**D & K TRUCK COMPANY**  
*Edward Merrill*  
*Mar 22, 2017*

**Freightliner 114SD**



Components shown may not reflect all spec'd options and are not to scale



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## S P E C I F I C A T I O N P R O P O S A L

Data Code	Description	Weight Front	Weight Rear
<b>Price Level</b>			
PRL-15D	SD PRL-15D (EFF:10/25/16)		
<b>Data Version</b>			
DRL-016	SPECPRO21 DATA RELEASE VER 016		
<b>Vehicle Configuration</b>			
001-177	114SD CONVENTIONAL CHASSIS	7,934	6,576
004-218	2018 MODEL YEAR SPECIFIED		
002-002	SET BACK AXLE - TRACTOR	500	-480
003-001	LH PRIMARY STEERING LOCATION		
<b>General Service</b>			
AA1-001	TRACTOR/TRAILER CONFIGURATION		
AA6-001	DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
A85-010	UTILITY/REPAIR/MAINTENANCE SERVICE		
A84-1GM	GOVERNMENT BUSINESS SEGMENT		
AA4-010	DIRT/SAND/ROCK COMMODITY		
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS		
AB1-008	MAXIMUM 8% EXPECTED GRADE		
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
995-1AE	FREIGHTLINER LEVEL II WARRANTY		
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 12000.0 lbs		
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 40000.0 lbs		
A67-99D	EXPECTED PUSHER AXLE(S) LOAD : 0.0 lbs		
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 52000.0 lbs		
A70-99D	EXPECTED GROSS COMBINATION WEIGHT : 70000.0 lbs		
<b>Tractor Service</b>			



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Data Code	Description	Weight Front	Weight Rear
AA2-005	FLATBED TRAILER		
AH6-001	SINGLE (1) TRAILER		

### Engine

101-2YA DETROIT DD13 12.8L 450 HP @ 1625 RPM, 1900 GOV RPM, 1650 LB/FT @ 975 RPM

### Electronic Parameters

79A-065 65 MPH ROAD SPEED LIMIT  
 79B-000 CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT  
 79G-006 5 MINUTES IDLE SHUTDOWN WITH CLUTCH AND SERVICE BRAKE OVERRIDE  
 79K-007 PTO MODE ENGINE RPM LIMIT - 1100 RPM  
 79M-002 PTO MODE BRAKE OVERRIDE - SERVICE BRAKE APPLIED OR PARK BRAKE NOT APPLIED  
 79P-002 PTO RPM WITH CRUISE SET SWITCH - 700 RPM  
 79Q-003 PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM  
 79S-001 PTO MODE CANCEL VEHICLE SPEED - 5 MPH  
 79T-001 PTO MODE RPM INCREMENT - 25 RPM  
 79U-007 PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND  
 79W-001 ONE REMOTE PTO SPEED  
 79X-005 REMOTE PTO SPEED 1 SETTING - 900 RPM  
 80D-001 SOFT CRUISE CONTROL ENABLED  
 80G-001 PTO MINIMUM RPM - 600

### Engine Equipment

99C-017 2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION  
 99D-011 2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR)  
 PMT-998 NO 2013 ENGINE ESCALATOR  
 13E-001 STANDARD OIL PAN  
 105-001 ENGINE MOUNTED OIL CHECK AND FILL  
 014-108 SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER WITH SAFETY ELEMENT AND INSIDE/OUTSIDE AIR WITH SNOW DOOR 10  
 124-1E4 LN 12V 160 AMP LONG BRUSH 2243GH PAD MOUNT ALTERNATOR WITH REMOTE BATTERY VOLT SENSE, LAMP TERMINAL AND HEX SHAFT 10



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Data Code	Description	Weight Front	Weight Rear
292-071	(3) ALLIANCE MODEL 1231, GROUP 31, 12 VOLT MAINTENANCE FREE 3375 CCA THREADED STUD BATTERIES		
290-1CD	BATTERY BOX WITH ALUMINUM COVER MOUNTED SHORT SIDE TO RAIL	15	
281-001	STANDARD BATTERY JUMPERS		
282-003	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE BACK OF CAB		
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
289-001	NON-POLISHED BATTERY BOX COVER		
293-058	POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	8	
295-029	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2	
107-044	BW MODEL BA-921 19.0 CFM SINGLE CYLINDER AIR COMPRESSOR WITH SAFETY VALVE		
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
128-002	JACOBS COMPRESSION BRAKE		
016-1C2	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE	30	25
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH		
239-014	09 FOOT 06 INCH (114 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT		
237-1CR	RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP		
23U-002	13 GALLON DIESEL EXHAUST FLUID TANK		
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL		
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING		
23Z-002	NON-POLISHED ALUMINUM DIESEL EXHAUST FLUID TANK COVER	15	5
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP		
242-011	ALUMINUM AFTERTREATMENT DEVICE/MUFFLER/TAILOPIPE SHIELD(S)		





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Data Code	Description	Weight Front	Weight Rear
273-036	BORG WARNER (KYSOR) REAR AIR ON/OFF ENGINE FAN CLUTCH		
276-002	AUTOMATIC FAN CONTROL WITH DASH SWITCH AND INDICATOR LIGHT, NON ENGINE MOUNTED		
110-068	DDC SUPPLIED ENGINE MOUNTED FUEL FILTER/FUEL WATER SEPARATOR WITH WATER-IN-FUEL INDICATOR		
118-001	FULL FLOW OIL FILTER		
266-057	1500 SQUARE INCH ALUMINUM RADIATOR		
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT		
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		
270-023	HDEP FIXED RATIO COOLANT PUMP AND RADIATOR DRAIN VALVE		
138-005	PHILLIPS-TEMRO 1500 WATT/115 VOLT BLOCK HEATER	4	
140-022	CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		
155-074	DELCO 12V MOD 3.175-39MT+ OCP STARTER WITH THERMAL PROTECTION AND INTEGRATED MAGNETIC SWITCH		

### Transmission

342-1M3	ALLISON 4500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	260	100
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### Transmission Equipment

343-339	ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV		
84B-012	ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES		
84C-023	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84D-023	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84E-000	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		



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Data Code	Description	Weight Front	Weight Rear
84F-000	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84G-000	PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84H-000	SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84L-000	LOAD BASED SHIFT SCHEDULE AND VEHICLE ACCELERATION CONTROL RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED VOCATIONAL USAGE		
84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES		
353-064	VEHICLE INTERFACE WIRING CONNECTOR WITH BLUNT CUTS, AT FIREWALL		
362-1Y2	(2) CUSTOMER INSTALLED MUNCIE CS10 SERIES PTO'S		
363-010	PTO MOUNTING, LH SIDE AND TOP RH SIDE OF MAIN TRANSMISSION		
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN		
345-003	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED		
97G-004	TRANSMISSION PROGNOSTICS - ENABLED 2013		
370-011	WATER TO OIL TRANSMISSION COOLER, FRAME MOUNTED		
346-003	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK		
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		

### Front Axle and Equipment

400-1A6	DETROIT DA-F-12.0-3 12,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE		
402-049	MERITOR 16.5X5 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
403-043	2011/2013-FMVSS 121 FRONT BRAKE LINING		
419-023	CONMET CAST IRON FRONT BRAKE DRUMS		
427-001	FRONT BRAKE DUST SHIELDS	5	
409-021	SKF SCOTSEAL PLUS XL FRONT OIL SEALS		



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 3020 Snow Rd  
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Data Code	Description	Weight Front	Weight Rear
408-022	STEMCO SENTINEL BLUE ESP CENTER PLUG ALUMINUM VENTED FRONT HUB CAPS WITH WINDOW, WITHOUT SIDE PLUG - OIL		
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES		
405-002	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS		
406-001	STANDARD KING PIN BUSHINGS		
536-050	TRW THP-60 POWER STEERING		
539-003	POWER STEERING PUMP		
534-003	4 QUART POWER STEERING RESERVOIR	5	
40T-002	SYNTHETIC 75W-90 FRONT AXLE LUBE		
<b>Front Suspension</b>			
620-1F0	12,000# DUAL TAPERLEAF FRONT SUSPENSION	42	
619-005	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION		
410-001	FRONT SHOCK ABSORBERS		
<b>Rear Axle and Equipment</b>			
420-1GR	DETROIT DA-RT-40.0-4 HT 40,000# R-SERIES TANDEM REAR AXLE		
421-478	4.78 REAR AXLE RATIO		
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
386-075	MXL 18T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES	20	20
388-073	MXL 17T MERITOR EXTENDED LUBE INTERAXLE DRIVELINE WITH HALF ROUND YOKES		
878-019	(1) INTERAXLE LOCK VALVE FOR TANDEM OR TRIDEM DRIVE AXLES		
87A-001	BLINKING LAMP WITH EACH INTERAXLE LOCK SWITCH, INTERAXLE UNLOCK DEFAULT WITH IGNITION OFF		
423-019	MERITOR 16.5X8.62 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
433-043	2011/2013-FMVSS 121 REAR BRAKE LININGS		
434-003	STANDARD BRAKE CHAMBER LOCATION		
451-023	CONMET CAST IRON REAR BRAKE DRUMS		
425-002	REAR BRAKE DUST SHIELDS		10
440-021	SKF SCOTSEAL PLUS XL REAR OIL SEALS		
426-075	HALDEX GOLDSEAL LONGSTROKE 2-DRIVE AXLES SPRING PARKING CHAMBERS		
428-003	HALDEX AUTOMATIC REAR SLACK ADJUSTERS		



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Data Code	Description	Weight Front	Weight Rear
41T-002	SYNTHETIC 75W-90 REAR AXLE LUBE		
42T-001	STANDARD REAR AXLE BREATHER(S)		
<b>Rear Suspension</b>			
622-006	40,000# 4-SPRING FLAT LEAF REAR SUSPENSION		
621-001	SPRING SUSPENSION - NO AXLE SPACERS		
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP		
624-011	52 INCH AXLE SPACING		
623-001	HEAVY DUTY FORE/AFT CONTROL RODS		
<b>Brake System</b>			
490-100	WABCO 4S/4M ABS WITHOUT TRACTION CONTROL		
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES		
904-001	FIBER BRAID PARKING BRAKE HOSE		
412-001	STANDARD BRAKE SYSTEM VALVES		
46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM		
413-002	STD U.S. FRONT BRAKE VALVE		
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE		
480-083	WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER		
483-004	WABCO OIL COALESCING FILTER FOR AIR DRYER		
479-004	AIR DRYER MOUNTED OUTBOARD ON LH RAIL		
460-090	STEEL AIR BRAKE RESERVOIRS, NO TRIPLE OR TORPEDO TANKS		
477-001	PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS		
<b>Trailer Connections</b>			
481-071	12 FOOT COILED TRAILER AIR HOSE WITH 12 INCH TRACTOR, 12 INCH TRAILER LEADS	12	
476-001	18 INCH STAINLESS STEEL SLIDE BAR WITH SPRING TYPE TRAILER AIR HOSE HANGER	2	
484-006	COMBINATION DUMMY GLAD HANDS AND LIGHT PLUG HOLDER		
296-010	PRIMARY CONNECTOR/RECEPTACLE WIRED FOR SEPARATE STOP/TURN, ABS CENTER PIN POWERED THROUGH IGNITION		



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Data Code	Description	Weight Front	Weight Rear
297-008	SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE BRACKET LH LOWER CAB MOUNTED		
335-004	UPGRADED CHASSIS MULTIPLEXING UNIT		
331-001	SUPPLEMENTAL J560 7-WAY RECEPTACLE LOCATED WITH PRIMARY RECEPTACLE		
310-081	12 FOOT DETACHABLE COILED PRIMARY TRAILER ELECTRICAL CABLE WITH SAE J560 CONNECTOR WITH 12 INCH TRACTOR, 12 INCH TRAILER LEADS	12	

### Wheelbase & Frame

545-472	4725MM (186 INCH) WHEELBASE		
546-102	7/16X3-9/16X11-1/8 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI	260	150
552-032	1650MM (65 INCH) REAR FRAME OVERHANG		
55W-006	FRAME OVERHANG RANGE: 61 INCH TO 70 INCH		
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 120.45 in		
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 106.67 in		
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 281.12		
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 71.08 in		
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 10.59 in		
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 18.18 in		
553-002	FLANGED TAPERED END OF FRAME		
550-001	FRONT CLOSING CROSSMEMBER		
559-001	STANDARD WEIGHT ENGINE CROSSMEMBER		
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)		
572-020	INVERTED U TRACTOR CROSSMEMBER		10
565-001	STANDARD SUSPENSION CROSSMEMBER		

### Chassis Equipment

674-001	LH BACK OF CAB ACCESS	5	5
592-054	21 INCH (525MM) DECK PLATE FLUSH MOUNTED BETWEEN RAILS	8	7
556-1E5	14 INCH PAINTED STEEL BUMPER	20	
558-033	REMOVABLE FRONT TOW HOOKS STORED ON THE CHASSIS FRAME	25	
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE		
585-042	BETTS B-25 PAINTED MUDFLAP BRACKETS		15



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Data Code	Description	Weight Front	Weight Rear
590-036	ECO-FLAP BLACK MUDFLAPS, NO LOGO		15
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS		
583-058	PLASTIC QUARTER FENDERS WITHOUT LOGO		30
<b>Fifth Wheel</b>			
578-1T6	FONTAINE NO-SLACK II 6000 SERIES 6LWB 36.0 INCH AIR SLIDE FIFTH WHEEL - 2 INCH SLIDE INCREMENTS	40	490
577-610	FIFTH WHEEL 610MM (24.0 INCHES) AHEAD OF SUSPENSION CENTERLINE		
582-007	184MM (7.25 INCH) FIFTH WHEEL HEIGHT		
570-001	OUTBOARD ANGLE - FIFTH WHEEL MOUNTING		
890-001	DASH MOUNTED CONTROL VALVE AND PLUMBING FOR FIFTH WHEEL		
579-003	SIDE LEFT FIFTH WHEEL RELEASE		
<b>Fuel Tanks</b>			
206-154	80 GALLON/302 LITER ALUMINUM FUEL TANK - RH	95	20
204-154	80 GALLON/302 LITER ALUMINUM FUEL TANK - LH	10	
218-001	23 INCH DIAMETER FUEL TANK(S)		
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
212-014	LH FUEL TANK MOUNTED FORWARD, RH FUEL TANK MOUNTED AFT		
664-001	PLAIN STEP FINISH		
205-001	FUEL TANK CAP(S)		
122-1H2	DETROIT FUEL/WATER SEPARATOR WITH BYPASS AND 12 VOLT PREHEATER	10	
216-020	EQUIFLO INBOARD FUEL SYSTEM		
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
<b>Tires</b>			
093-1TV	HANKOOK AH37 11R22.5 16 PLY RADIAL FRONT TIRES	18	
094-2EU	HANKOOK DH06 11R22.5 14 PLY RADIAL REAR TIRES		128
<b>Hubs</b>			
418-056	CONMET PRESET PLUS IRON FRONT HUBS		
450-056	CONMET PRESET PLUS IRON REAR HUBS		



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Data Code	Description	Weight Front	Weight Rear
<b>Wheels</b>			
502-1F2	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC FRONT WHEELS		
505-1F2	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC REAR WHEELS		
<b>Cab Exterior</b>			
829-1A2	114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB		
650-008	AIR CAB MOUNTS		
648-002	NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE		
667-004	FRONT FENDERS SET-BACK AXLE		
678-001	LH AND RH GRAB HANDLES		
646-041	STATIONARY BLACK GRILLE		
65X-004	BLACK HOOD MOUNTED AIR INTAKE GRILLE		
644-004	FIBERGLASS HOOD		
727-1AJ	DUAL 14 INCH ROUND POLISHED AIR HORNS	4	
726-001	SINGLE ELECTRIC HORN		
728-002	DUAL HORN SHIELDS		
657-1CV	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME WITH (4) KEYS		
575-001	REAR LICENSE PLATE MOUNT END OF FRAME		
312-068	HALOGEN COMPOSITE HEADLAMPS WITH BLACK BEZELS		
302-001	(5) AMBER MARKER LIGHTS		
294-001	INTEGRAL STOP/TAIL/BACKUP LIGHTS		
300-015	STANDARD FRONT TURN SIGNAL LAMPS		
744-1BN	DUAL WEST COAST BRIGHT FINISH MIRRORS		
797-001	DOOR MOUNTED MIRRORS		
796-001	102 INCH EQUIPMENT WIDTH		
743-204	LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS		
729-001	STANDARD SIDE/REAR REFLECTORS		
73A-002	REAR REFLECTIVE DEVICE		
677-998	NO CAB MOUNTED STEPS		
768-043	63X14 INCH TINTED REAR WINDOW		
661-004	TINTED DOOR GLASS LH AND RH WITH TINTED OPERATING WING WINDOWS		
654-003	MANUAL DOOR WINDOW REGULATORS		



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Data Code	Description	Weight Front	Weight Rear
663-013	TINTED WINDSHIELD		
659-020	2 GALLON WINDSHIELD WASHER RESERVOIR WITH FLUID LEVEL INDICATOR, FRAME MOUNTED		
<b>Cab Interior</b>			
707-1AK	OPAL GRAY VINYL INTERIOR		
706-013	MOLDED PLASTIC DOOR PANEL		
708-013	MOLDED PLASTIC DOOR PANEL		
772-006	BLACK MATS WITH SINGLE INSULATION		
785-004	DASH MOUNTED ASH TRAY(S) WITHOUT LIGHTER		
691-008	FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING		
742-007	(2) CUP HOLDERS LH AND RH DASH		
680-007	GRAY/CHARCOAL WING DASH		
860-004	SMART SWITCH EXPANSION MODULE		
700-002	HEATER, DEFROSTER AND AIR CONDITIONER		
701-001	STANDARD HVAC DUCTING		
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
170-015	STANDARD HEATER PLUMBING		
130-033	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR		
702-002	BINARY CONTROL, R-134A		
739-033	STANDARD INSULATION		
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES		
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM		
324-011	DOME DOOR ACTIVATED LH AND RH, DUAL READING LIGHTS, FORWARD CAB ROOF		
655-001	CAB DOOR LATCHES WITH MANUAL DOOR LOCKS		
284-023	(1) 12 VOLT POWER SUPPLY IN DASH		
756-1J3	BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	30	
760-1J3	BASIC HIGH BACK AIR SUSPENSION PASSENGER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	25	10
759-005	DUAL DRIVER AND PASSENGER SEAT ARMRESTS	8	
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS		





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Data Code	Description	Weight Front	Weight Rear
758-017	GRAY CORDURA PLUS CLOTH DRIVER SEAT COVER		
761-017	GRAY CORDURA PLUS CLOTH PASSENGER SEAT COVER		
763-101	BLACK SEAT BELTS		
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10	
540-015	4-SPOKE 18 INCH (450MM) STEERING WHEEL		
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS		

### Instruments & Controls

732-004	GRAY DRIVER INSTRUMENT PANEL		
734-004	GRAY CENTER INSTRUMENT PANEL		
87L-001	ENGINE REMOTE INTERFACE WITH PARK BRAKE INTERLOCK		
870-001	BLACK GAUGE BEZELS		
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM		
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES		
198-003	DASH MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS		
149-017	ELECTRONIC CRUISE CONTROL WITH SWITCHES ON AUXILIARY GAUGE PANEL (B DASH PANEL)		
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY		
811-042	ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED		
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH		
844-001	2 INCH ELECTRIC FUEL GAUGE		
148-070	ENGINE REMOTE INTERFACE WITH PRESET FAST IDLE		
163-004	ENGINE REMOTE INTERFACE CONNECTOR IN ENGINE COMPARTMENT		
33U-007	CHASSIS MODULE JUMPER AND BRACKET FOR BODY BUILDER TO RELOCATE THE CHASSIS MODULE INTO THE CAB		
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE		



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Data Code	Description	Weight Front	Weight Rear
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		
372-051	CUSTOMER FURNISHED AND INSTALLED PTO CONTROLS		
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE		
679-001	OVERHEAD INSTRUMENT PANEL		
746-114	AM/FM/WB WORLD TUNER RADIO WITH AUXILIARY INPUT, J1939	10	
747-001	DASH MOUNTED RADIO		
750-002	(2) RADIO SPEAKERS IN CAB		
753-001	AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF	2	
748-006	POWER AND GROUND WIRING PROVISION OVERHEAD		
749-001	ROOF/OVERHEAD CONSOLE CB RADIO PROVISION		
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		
817-001	STANDARD VEHICLE SPEED SENSOR		
812-001	ELECTRONIC 3000 RPM TACHOMETER		
813-1B4	VT-HU CONNECTIVITY PLATFORM HARDWARE		
8D1-002	2 YEARS DETROIT CONNECT BASE PACKAGE (VIRTUAL TECHNICIAN, DETROIT CONNECT PORTAL ACCESS) FOR VT-HU CONNECTIVITY PLATFORM		
8Z1-998	NO ZONAR SYSTEMS (SCO)		
162-002	IGNITION SWITCH CONTROLLED ENGINE STOP		
329-091	(6) IGN CONTROLLED EXTRA SWITCHES WITH IND LIGHTS WIRED TO POWER DIST BOX WITH RELAYS PROVIDING 20 AMPS PER CIRCUIT TO JUNCTION BLOCK AND 1 CIRCUIT AT 30 AMPS		
482-001	BW TRACTOR PROTECTION VALVE		
883-001	TRAILER HAND CONTROL BRAKE VALVE	2	
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		
660-008	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY		
304-001	MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH		
882-004	TWO VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR		
299-013	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE		



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Data Code	Description	Weight Front	Weight Rear
298-039	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS		

### Design

065-000	PAINT: ONE SOLID COLOR		
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### Color

980-5E7	CAB COLOR A: L0789EB OMAHA ORANGE ELITE BC		
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT		
98K-998	NO FUEL TANK CABINET PAINT		
962-972	POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)		
966-972	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)		
964-020	STANDARD BLACK BUMPER PAINT		
963-003	STANDARD E COAT/UNDERCOATING		

### Certification / Compliance

996-001	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS		
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### Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight <sup>+</sup>	9468 lbs	7136 lbs	16604 lbs
<b>Total Weight<sup>+</sup></b>	<b>9468 lbs</b>	<b>7136 lbs</b>	<b>16604 lbs</b>

(+) Weights shown are estimates only.  
 If weight is critical, contact Customer Application Engineering.



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## Q U O T A T I O N

### 114SD CONVENTIONAL CHASSIS

SET BACK AXLE - TRACTOR	12,000# DUAL TAPERLEAF FRONT SUSPENSION
DETROIT DD13 12.8L 450 HP @ 1625 RPM, 1900 GOV RPM, 1650 LB/FT @ 975 RPM	114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
ALLISON 4500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	4725MM (186 INCH) WHEELBASE
DETROIT DA-RT-40.0-4 HT 40,000# R-SERIES TANDEM REAR AXLE	FONTAINE NO-SLACK II 6000 SERIES 6LWB 36.0 INCH AIR SLIDE FIFTH WHEEL - 2 INCH SLIDE INCREMENTS
40,000# 4-SPRING FLAT LEAF REAR SUSPENSION	7/16X3-9/16X11-1/8 INCH STEEL FRAME
DETROIT DA-F-12.0-3 12,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE	(11.11MMX282.6MM/0.437X11.13 INCH) 120KSI 1650MM (65 INCH) REAR FRAME OVERHANG

		PER UNIT		TOTAL
VEHICLE PRICE	TOTAL # OF UNITS (1)	\$	94,180	\$ 94,180
<b>CUSTOMER PRICE BEFORE TAX</b>		<b>\$</b>	<b>94,180</b>	<b>\$ 94,180</b>

### TAXES AND FEES

TAXES AND FEES	\$	0	\$	0
OTHER CHARGES	\$	0	\$	0

<b>BALANCE DUE</b>	<b>(LOCAL CURRENCY)</b>	<b>\$</b>	<b>94,180</b>	<b>\$ 94,180</b>
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#### COMMENTS:

Projected delivery on \_\_\_ / \_\_\_ / \_\_\_ provided the order is received before \_\_\_ / \_\_\_ / \_\_\_.

#### APPROVAL:

Please indicate your acceptance of this quotation by signing below:

Customer: X \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_.

**Daimler Truck Financial**

Financing that works for you.

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Daimler Truck Financial offers a variety of finance, lease and insurance solutions to fit your business needs. For more information about our products and services, visit our website at [www.daimler-truckfinancial.com](http://www.daimler-truckfinancial.com).



## SPECIFICATION 3958-0160D (Option "A")

		MDOT PRICE	MIDEAL PRICE	DELIVERY PER MILE	EXCEPTIONS TO SPECIFICATIONS
1.1	Base cost with Regular Cab - 3958-0160D	\$76,776.00	\$76,776.00	\$1.85	
1.2	Super Cab option	NB	NB		
1.3	Crew Cab option	NB	NB		
2	<b>CAB CONVENTIONAL INCLUDES:</b>				
2.1	ARM REST (2) Molded Plastic; One Each Door	INC	INC		
2.2	CLEARANCE/MARKER LIGHTS (5) Flush Mounted	INC	INC		
2.3	COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window	INC	INC		
2.4	CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel	INC	INC		
2.5	DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted	INC	INC		NO DIMMING
2.6	GLASS, ALL WINDOWS Tinted	INC	INC		
2.7	GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side	INC	INC		
2.8	GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side	INC	INC		
2.9	INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior color	INC	INC		
3	<b>CAB INTERIOR TRIM DELUXE INCLUDES:</b>				
3.1	"A" PILLAR COVER Molded Plastic	INC	INC		
3.2	CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering	INC	INC		
3.3	CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket	INC	INC		
3.4	DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors	INC	INC		
3.5	FLOOR COVERING Rubber, Black	INC	INC		
3.6	HEADLINER Soft Padded Cloth	INC	INC		
3.7	INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section	INC	INC		
3.8	STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door	INC	INC		MFG STANDARD
3.9	SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console	INC	INC		NO TOLL TICKET
4	JUMP START STUD Located on Positive Terminal of Outermost Battery	\$57.00	\$57.00		
4.1	WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever	INC	INC		
4.2	WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted	INC	INC		
4.3	WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time	\$22.00	\$22.00		
4.4	HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on	\$40.00	\$40.00		
5	ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp	\$410.00	\$410.00		
6	RADIO AM/FM/WB/Clock/3MM Auxiliary Input, with Multiple Speakers	INC	INC		

7	TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights	NA	NA	
8	ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, With Ignition "OFF" and any Door Opened	NA	NA	
9	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster	INC	INC	
10	GAUGE, DEF FLUID LEVEL	INC	INC	
11	DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab	INC	INC	
12	THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel	INC	INC	
13	STEERING COLUMN Tilting	INC	INC	
14	COLD STARTING EQUIPMENT Intake Manifold Electric Grid Heater with Engine ECM Control	INC	INC	
15	KEYLESS ENTRY SYSTEM REMOTE With Panic and Auxiliary Buttons, Includes One Key Fob (Transmitter)	\$350.00	\$350.00	NO PANIC
16	WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature	INC	INC	NO EXPRESS
17	FOG LIGHTS (2) Clear, Oval, With H355W Halogen Bulb	NA	NA	SWITCH WIRING ONLY
18	INSULATION, UNDER HOOD for Sound Abatement	\$85.00	\$85.00	
19	INSULATION, SPLASH PANELS for Sound Abatement	\$174.00	\$174.00	
20	FAN DRIVE Direct Drive Type, Two Speed With Residual Torque Device for Disengaging Fan Speed. Torque Device for Disengaged Fan Speed Includes Nylon Fan	\$275.00	\$275.00	
21	<b>TRANSMISSION, AUTOMATIC INCLUDES:</b>			
21.1	OIL FILTER, TRANSMISSION Mounted on Transmission	NA	NA	
21.2	TRANSMISSION OIL PAN Magnet in Oil Pan	INC	INC	
21.3	SHIFT CONTROL PARAMETERS Allison 1000 or 2000 Series Transmissions, 5th Generation Controls, Performance Programming	INC	INC	
21.4	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction	INC	INC	
21.5	TRANSMISSION TCM LOCATION Located Inside Cab	\$970.00	\$970.00	
21.6	PTO LOCATION Dual, Left and Right Side of Transmission	INC	INC	
21.7	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control	\$120.00	\$120.00	
28	BODY INTEGRATED, REMOTE START/STOP To Start and Stop Vehicle Engine	\$120.00	\$120.00	
29	BODY INTEGRATED, THROTTLE CONTROL Accommodation for Single Customer Mounted External Engine Speed Control Switch, for Utility Applications, Programmable Mode for Various Switch Actions and Engine Speed Control Option, Only with Vehicle Stopped and Park Brake is Applied (requires 1 Remote Power Module input)	NC	NC	no y cord, see fuel tank supplier
	<b>NOTE:</b> Default Parameters - Input is Momentary Ground = Engine Speed Toggles Between Preset Speed and Idle each Time the Input is Grounded			

30	BODY INTEGRATED, PTO ACCOMMODATION for (3) Latched Rocker Switches, (1) PTO Switch, (2) Generic Switches to Control (3) 30 amp relays, With Programmable Interlocks, for Body Builder Hook up in the Engine Compartment Left Side, Recommended for Automatic Transmissions	\$560.00	\$560.00	
31	DUST SHIELDS, FRONT BRAKE for Air Brakes	NC	NC	
32	DUST SHIELDS, REAR BRAKE for Air Brakes	NC	NC	
33	TRAILER AUXILIARY FEED CIRCUIT for Electric Trailer Brake Accommodation/Air Trailer ABS; With 30 Amp Fuse and Relay, Controlled by Ignition Switch	\$650.00	\$650.00	
34.1	AIR BRAKE ABS Full Vehicle Wheel Control system (4-Channel)	NC	NC	
34.2	BRAKE CHAMBERS, SPRING Relocated To Rear Of Rear Axle For Maximum Ground Clearance	NC	NC	
35	<b>SPECIAL PAINT</b>			
35.1	School Bus Yellow [84S53]	NC	NC	
35.2	Omaha Orange [W5684E]	NC	NC	

### SPECIFICATION 3958-0170D

		MDOT PRICE	MIDEAL PRICE	DELIVERY PER MILE	EXCEPTIONS TO SPECIFICATIONS
1.1	Base cost with Regular Cab - 3958-0170D	\$97,000.00	\$97,000.00	\$1.85	
1.2	Super Cab option				
1.3	Crew Cab option				
2	<b>CAB CONVENTIONAL INCLUDES:</b>				
2.1	ARM REST (2) Molded Plastic; One Each Door	NC	NC		
2.2	CLEARANCE/MARKER LIGHTS (5) Flush Mounted	NC	NC		
2.3	COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window	NC	NC		
2.4	CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel	NC	NC		
2.5	DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted	NC	NC		NO DIMMING
2.6	GLASS, ALL WINDOWS Tinted	NC	NC		
2.7	GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side	NC	NC		
2.8	GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side	NC	NC		
2.9	INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior color	NC	NC		
3	<b>CAB INTERIOR TRIM DELUXE INCLUDES:</b>				
3.1	"A" PILLAR COVER Molded Plastic	NC	NC		
3.2	CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering	NC	NC		
3.3	CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket	NC	NC		
3.4	DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors	NC	NC		
3.5	FLOOR COVERING Rubber, Black	NC	NC		
3.6	HEADLINER Soft Padded Cloth	NC	NC		
3.7	INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section	NC	NC		
3.8	STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door	Inc	Inc		

3.9	SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console	N C	NC	
4	JUMP START STUD Located on Positive Terminal of Outermost Battery	\$57.00	\$57.00	
4.1	WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever	Inc	Inc	
4.2	WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted	Inc	Inc	
4.3	WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time	na	na	
4.4	HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on	na	na	
5	ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp	\$410.00	\$410.00	
6	RADIO AM/FM/WB/Clock/3MM Auxiliary Input, with Multiple Speakers	Inc	Inc	
7	TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights	na	na	
8	ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, With Ignition "OFF" and any Door Opened	na	na	
9	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster	Inc	Inc	
10	GAUGE, DEF FLUID LEVEL	Inc	Inc	
11	DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab	Inc	Inc	
12	THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel	Inc	Inc	
13	STEERING COLUMN Tilting	Inc	Inc	
14	COLD STARTING EQUIPMENT Intake Manifold Electric Grid Heater with Engine ECM Control	Inc	Inc	
15	KEYLESS ENTRY SYSTEM REMOTE With Panic and Auxiliary Buttons, Includes One Key Fob (Transmitter)	\$300.00	\$300.00	no panic
16	WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature	Inc	Inc	
17	INSULATION, UNDER HOOD for Sound Abatement	\$85.00	\$85.00	
18	INSULATION, SPLASH PANELS for Sound Abatement	\$170.00	\$170.00	
19	BACK-UP ALARM Electric, 102 dBA	\$75.00	\$75.00	97DBA
20	FENDER EXTENSIONS Rubber	Inc	Inc	
21	Add'l Cab Rustproofing	\$55.00	\$55.00	CAB AND FENDER UNDERCOATING
22	SNOW SHIELD (2) Chrome; for Dual Air Horns	Inc	Inc	
23	ACCESSORY WIRING, SPECIAL for Road Speed Wire Coiled Under Instrument Panel for Customer use	\$51.00	\$51.00	
24	FAN DRIVE Direct Drive Type, Two Speed With Residual Torque Device for Disengaging Fan Speed. Torque Device for Disengaged Fan Speed Includes Nylon Fan	\$275.00	\$275.00	HORTON 2-SPEED DRIVEMASTER ADVANTAGE POLAREXTREME FAN DRIVE
25	<b>TRANSMISSION, AUTOMATIC INCLUDES:</b>			
25.1	OIL FILTER, TRANSMISSION Mounted on Transmission	na	na	
25.2	TRANSMISSION OIL PAN Magnet in Oil Pan	Inc	Inc	
25.3	SHIFT CONTROL PARAMETERS Allison 1000 or 2000 Series Transmissions, 5th Generation Controls, Performance Programming	Inc	Inc	
25.4	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction	\$20.00	\$20.00	
25.5	TRANSMISSION TCM LOCATION Located Inside Cab	\$970.00	\$970.00	



25.6	PTO LOCATION Dual, Left and Top Side of Transmission on Spec 3958-0172D	N C	NC		
25.7	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls: With Ignition Switch Control	N C	NC		no y cord, see fuel tank supplier
26	Accommodation for Single Customer Mounted External Engine Speed Control Switch, for Utility Applications, Programmable Mode for Various Switch Actions and Engine Speed Control Option, Only with Vehicle Stopped and Park Brake is Applied (requires 1 Remote Power Module input)	Inc	Inc		BODY LIGHTING INTERFACE BLUNT CUT WIRING WITH FUSE PANEL WIRE MOUNTED BETWEEN DRIVER AND PASSENGER SEATS WITH ADDITIONAL 150 AMP SERVICE
27	DUST SHIELDS, FRONT BRAKE for Air Brakes	Inc	Inc		
28	DUST SHIELDS, REAR BRAKE for Air Brakes	Inc	Inc		
29	TRAILER CONNECTIONS Four-Wheel, With Hand Control Valve and Tractor Protection Valve, for Straight Truck	Inc	Inc		
30	AIR BRAKE ABS Full Vehicle Wheel Control system (4-Channel)	Inc	Inc		
31	<b>SPECIAL PAINT</b>				
31.1	School Bus Yellow [84S53]	N C	NC		
31.2	Omaha Orange [W5684E]	N C	NC		

### SPECIFICATION 3958-0172D

		MDOT PRICE	MIDEAL PRICE	DELIVERY PER MILE	EXCEPTIONS TO SPECIFICATIONS
1.1	Base cost with Regular Cab - 3958-0172D	\$113,510.00	\$113,510.00	\$1.85	
1.2	Super Cab option	NB	NB	NB	
1.3	Crew Cab option	na	na	na	
2	<b>CAB CONVENTIONAL INCLUDES:</b>				
2.1	ARM REST (2) Molded Plastic; One Each Door	NC	NC		
2.2	CLEARANCE/MARKER LIGHTS (5) Flush Mounted	NC	NC		
2.3	COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window	NC	NC		
2.4	CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel	NC	NC		
2.5	DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted	NC	NC		NO DIMMING
2.6	GLASS, ALL WINDOWS Tinted	INC	INC		
2.7	GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side	NC	NC		
2.8	GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side	NC	NC		
2.9	INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior color	NC	NC		
3	<b>CAB INTERIOR TRIM DELUXE INCLUDES:</b>				
3.1	"A" PILLAR COVER Molded Plastic	NC	NC		
3.2	CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering	INC	INC		
3.3	CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket	INC	INC		
3.4	DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors	INC	INC		
3.5	FLOOR COVERING Rubber, Black	INC	INC		
3.6	HEADLINER Soft Padded Cloth	INC	INC		
3.7	INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section	INC	INC		

3.8	STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door	INC	INC		
3.9	SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console	NC	NC		NO TOLL TICKET
4	JUMP START STUD Located on Positive Terminal of Outermost Battery	\$57.00	\$57.00		
4.1	WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever	INC	INC		
4.2	WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted	INC	INC		
4.3	WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time	NA	NA		
4.4	HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on	NA	NA		
5	ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp	\$410.00	\$410.00		
6	RADIO AM/FM/WB/Clock/3MM Auxiliary Input, with Multiple Speakers	INC	INC		
7	TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights	NA	NA		
8	ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, With Ignition "OFF" and any Door Opened	NA	NA		
9	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster	INC	INC		
10	GAUGE, DEF FLUID LEVEL	INC	INC		
11	DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab	INC	INC		
12	THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel	INC	INC		
13	STEERING COLUMN Tilting	INC	INC		
14	COLD STARTING EQUIPMENT Intake Manifold Electric Grid Heater with Engine ECM Control	INC	INC		
15	KEYLESS ENTRY SYSTEM REMOTE With Panic and Auxiliary Buttons, Includes One Key Fob (Transmitter)	\$300.00	\$300.00		NO PANIC
16	WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature	NC	NC		PUSH DOWN ELECTRIC
17	INSULATION, UNDER HOOD for Sound Abatement	\$85.00	\$85.00		
18	INSULATION, SPLASH PANELS for Sound Abatement	\$174.00	\$174.00		
19	BACK-UP ALARM Electric, 102 dBA	\$69.00	\$69.00		97 DBA
20	FENDER EXTENSIONS Rubber	INC	INC		
21	Add'l Cab Rustproofing	NA	NA		
22	SNOW SHIELD (2) Chrome; for Dual Air Horns	INC	INC		
23	ACCESSORY WIRING, SPECIAL for Road Speed Wire Coiled Under Instrument Panel for Customer use	INC	INC		
24	FAN DRIVE Direct Drive Type, Two Speed With Residual Torgue Device for Disengaging Fan Speed. Torque Device for Disengaged Fan Speed Includes Nylon Fan	\$275.00	\$275.00		polor extreme 2-speed
25	<b>TRANSMISSION, AUTOMATIC INCLUDES:</b>				
25.1	OIL FILTER, TRANSMISSION Mounted on Transmission	NA	NA		no external
25.2	TRANSMISSION OIL PAN Magnet in Oil Pan	YES	YES		
25.3	SHIFT CONTROL PARAMETERS Allison 1000 or 2000 Series Transmissions, 5th Generation Controls, Performance Programming	INC	INC		

25.4	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction	\$20.00	\$20.00	
25.5	TRANSMISSION TCM LOCATION Located Inside Cab	\$970.00	\$970.00	
25.6	PTO LOCATION Dual, Left and Top Side of Transmission on Spec 3958-0172D	NA	NA	PTO Through Radiator.
25.7	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control	INC	INC	no y cord, see fuel tank supplier
26	BODY INTEGRATED, THROTTLE CONTROL Accommodation for Single Customer Mounted External Engine Speed Control Switch, for Utility Applications, Programmable Mode for Various Switch Actions and Engine Speed Control Option, Only with Vehicle Stopped and Park Brake is Applied (requires 1 Remote Power Module input)	INC	INC	BODY LIGHTING INTERFACE BLUNT CUT WIRING WITH FUSE PANEL WIRE MOUNTED BETWEEN DRIVER AND PASSENGER SEATS WITH ADDITIONAL 150 AMP SERVICE
27	DUST SHIELDS, FRONT BRAKE for Air Brakes	INC	INC	
28	DUST SHIELDS, REAR BRAKE for Air Brakes	INC	INC	
29	TRAILER CONNECTIONS Four-Wheel, With Hand Control Valve and Tractor Protection Valve, for Straight Truck	INC	INC	
30	AIR BRAKE ABS Full Vehicle Wheel Control system (4-Channel)	INC	INC	
31	SUSPENSION, REAR, AIR, SINGLE Require 14VAJ Suspension	-\$247.00	-\$247.00	DEDUCTION OF PRICE, ADD FOR DUMP VALVES
32	<b>SPECIAL PAINT</b>			
32.1	School Bus Yellow [84S53]	NC	NC	
32.2	Omaha Orange [W5684E]	NC	NC	

### SPECIFICATION 3958-0173D

		MDOT PRICE	MIDEAL PRICE	DELIVERY PER MILE	EXCEPTIONS TO SPECIFICATIONS
1.1	Base cost with Regular Cab - 3958-0173D	\$103,880.00	\$103,880.00	\$1.85	
1.2	Super Cab option	NB	NB	NB	
1.3	Crew Cab option	NB	NB	NB	
2	<b>CAB CONVENTIONAL INCLUDES:</b>				
2.1	ARM REST (2) Molded Plastic; One Each Door	NC	NC		
2.2	CLEARANCE/MARKER LIGHTS (5) Flush Mounted	NC	NC		
2.3	COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window	NC	NC		
2.4	CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel	NC	NC		
2.5	DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted	NC	NC		NO DIMMING
2.6	GLASS, ALL WINDOWS Tinted	INC	INC		
2.7	GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side	INC	INC		
2.8	GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side	NC	NC		
2.9	INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior color	INC	INC		
3	<b>CAB INTERIOR TRIM DELUXE INCLUDES:</b>				
3.1	"A" PILLAR COVER Molded Plastic	INC	INC		
3.2	CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering	INC	INC		
3.3	CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket				

3.4	DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors	NC	NC	
3.5	FLOOR COVERING Rubber, Black	NC	NC	
3.6	HEADLINER Soft Padded Cloth	NC	NC	
3.7	INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section	NC	NC	
3.8	STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door	INC	INC	
3.9	SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console	NC	NC	no toll ticket
4	JUMP START STUD Located on Positive Terminal of Outermost Battery	\$57.00	\$57.00	
4.1	WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever	NC	NC	
4.2	WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted	NC	NC	
4.3	WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time	NA	NA	
4.4	HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on	NA	NA	
5	ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp	\$410.00	\$410.00	
6	RADIO AM/FM/WB/Clock/3MM Auxiliary Input, with Multiple Speakers	INC	INC	
7	TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights	NA	NA	
8	ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, With Ignition "OFF" and any Door Opened	NC	NC	
9	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster	INC	INC	
10	GAUGE, DEF FLUID LEVEL	NC	NC	
11	DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab	INC	INC	
12	THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel	NC	NC	
13	STEERING COLUMN Tilting	INC	INC	
14	COLD STARTING EQUIPMENT Intake Manifold Electric Grid Heater with Engine ECM Control	INC	INC	
15	KEYLESS ENTRY SYSTEM REMOTE With Panic and Auxiliary Buttons, Includes One Key Fob (Transmitter)	\$300.00	\$300.00	
16	WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature	INC	INC	NO EXPRESS
17	INSULATION, UNDER HOOD for Sound Abatement	\$85.00	\$85.00	
18	INSULATION, SPLASH PANELS for Sound Abatement	\$174.00	\$174.00	
19	BACK-UP ALARM Electric, 102 dBA	\$75.00	\$75.00	97DBA
20	FENDER EXTENSIONS Rubber	INC	INC	
21	Add'l Cab Rustproofing	NA	NA	
22	SNOW SHIELD (2) Chrome; for Dual Air Horns	INC	INC	
23	ACCESSORY WIRING, SPECIAL for Road Speed Wire Coiled Under Instrument Panel for Customer use	INC	INC	

24	FAN DRIVE Direct Drive Type, Two Speed With Residual Torque Device for Disengaging Fan Speed. Torque Device for Disengaged Fan Speed Includes Nylon Fan	INC	INC	
25	<b>TRANSMISSION, AUTOMATIC INCLUDES:</b>			
25.1	OIL FILTER, TRANSMISSION Mounted on Transmission	NA	NA	no exterior filter
25.2	TRANSMISSION OIL PAN Magnet in Oil Pan	INC	INC	
25.3	SHIFT CONTROL PARAMETERS Allison 1000 or 2000 Series Transmissions, 5th Generation Controls, Performance Programming	INC	INC	
25.4	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction	\$20.00	\$20.00	
25.5	TRANSMISSION TCM LOCATION Located Inside Cab	\$970.00	\$970.00	location: firewall
25.6	PTO LOCATION Dual, Left and Top Side of Transmission on Spec 3958-0172D	NA	NA	PTO Through Radiator.
25.7	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control	NC	NC	
26	BODY INTEGRATED, THROTTLE CONTROL Accommodation for Single Customer Mounted External Engine Speed Control Switch, for Utility Applications, Programmable Mode for Various Switch Actions and Engine Speed Control Option, Only with Vehicle Stopped and Park Brake is Applied (requires 1 Remote Power Module input)	NC	NC	
27	DUST SHIELDS, FRONT BRAKE for Air Brakes	INC	INC	
28	DUST SHIELDS, REAR BRAKE for Air Brakes	INC	INC	
29	TRAILER CONNECTIONS Four-Wheel, With Hand Control Valve and Tractor Protection Valve, for Straight Truck	\$600.00	\$600.00	
30	AIR BRAKE ABS Full Vehicle Wheel Control system (4-Channel)	INC	INC	
31	SUSPENSION, REAR, AIR, SINGLE Require 14VAJ Suspension	INCLUDED	INCLUDED	
32	<b>SPECIAL PAINT</b>			
32.1	School Bus Yellow [84S53]	NC	NC	
32.2	Omaha Orange [W5684E]	NC	NC	

### SPECIFICATION 3958-0178D

	MDOT PRICE	MIDEAL PRICE	DELIVERY PER MILE	EXCEPTIONS TO SPECIFICATIONS
1 Base cost with Regular Cab	\$105,670.00	\$105,670.00	\$1.85	4500 RDS AT
2 <b>CAB CONVENTIONAL INCLUDES:</b>	Detroit Diesel 13L - 4500 RDS AT (450 HP @ 1650 ft. lbs. torque)			
2.1 ARM REST (2) Molded Plastic; One Each Door	inc	inc		
2.2 CLEARANCE/MARKER LIGHTS (5) Flush Mounted	inc	inc		
2.3 COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window	inc	inc		
2.4 CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel	inc	inc		
2.5 DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted	inc	inc		no dim
2.6 GLASS, ALL WINDOWS Tinted	inc	inc		
2.7 GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side	inc	inc		
2.8 GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side	inc	inc		
2.9 INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior color	inc	inc		
3 <b>CAB INTERIOR TRIM DELUXE INCLUDES:</b>				
3.1 "A" PILLAR COVER Molded Plastic	inc	inc		

3.2	CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering	inc	inc	
3.3	CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket	inc	inc	
3.4	DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors	inc	inc	
3.5	FLOOR COVERING Rubber, Black	inc	inc	
3.6	HEADLINER Soft Padded Cloth	inc	inc	
3.7	INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section	inc	inc	
3.8	STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door	INC	INC	
3.9	SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console	inc	inc	no toll ticket
4	JUMP START STUD Located on Positive Terminal of Outermost Battery	\$57.00	\$57.00	
4.1	WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever	inc	inc	
4.2	WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted	inc	inc	
4.3	WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time	NA	NA	
4.4	HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on	NA	NA	
5	ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp	\$410.00	\$410.00	
6	RADIO AM/FM/WB/Clock/3MM Auxiliary Input, with Multiple Speakers			AM/FM/WB WORLD TUNER RADIO WITH AUXILIARY INPUT, J1939
7	2-WAY RADIO Wiring Effects; Wiring With 20 Amp Fuse Protection, Includes Ignition Wire With 5 Amp Fuse, Wire Ends Heat Shrink and 10' Coil Taped to Base harness	Std	Std	748-006 POWER AND GROUND WIRING PROVISION OVERHEAD & UHF/VHF RADIO POWER/GROUND HARNESS TO OVERHEAD INSTRUMENT PANEL
8	TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights	NA	NA	
9	ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, With Ignition "OFF" and any Door Opened	NA	NA	
10	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster	inc	inc	
11	GAUGE, DEF FLUID LEVEL	inc	inc	
12	DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab	inc	inc	
13	THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel	inc	inc	
14	STEERING COLUMN Tilting	inc	inc	
15	COLD STARTING EQUIPMENT Intake Manifold Electric Grid Heater with Engine ECM Control	inc	inc	
16	KEYLESS ENTRY SYSTEM REMOTE With Panic and Auxiliary Buttons, Includes One Key Fob (Transmitter)	\$300.00	\$300.00	NO PANIC

17	WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature	INC	INC		NO EXPRESS
18	FOG LIGHTS (2) Clear, Oval, With H355W Halogen Bulb	\$120.00	\$120.00		
19	INSULATION, UNDER HOOD for Sound Abatement	\$85.00	\$85.00		
20	INSULATION, SPLASH PANELS for Sound Abatement	\$176.00	\$176.00		
21	BACK-UP ALARM Electric, 102 dBA	\$75.00	\$75.00		97DBA
22	FENDER EXTENSIONS Rubber	INC	INC		
23	FAN DRIVE Direct Drive Type, Two Speed With Residual Torque Device for Disengaging Fan Speed. Torque Device for Disengaged Fan Speed Includes Nylon Fan	\$250.00	\$250.00		NA with SBA
24	<b>TRANSMISSION, AUTOMATIC INCLUDES:</b>				
24.1	OIL FILTER, TRANSMISSION Mounted on Transmission	na	na		no external filter
24.2	TRANSMISSION OIL PAN Magnet in Oil Pan	inc	inc		
24.3	SHIFT CONTROL PARAMETERS Allison 1000 or 2000 Series Transmissions, 5th Generation Controls, Performance Programming	inc	inc		
24.4	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction	\$20.00	\$20.00		
24.5	TRANSMISSION TCM LOCATION Located Inside Cab	\$970.00	\$970.00		location: firewall
24.6	PTO LOCATION Dual, Left and Right Side of Transmission	nc	NC		LH SIDE ONLY 4500 RDS
24.7	PTO LOCATION Dual, Left and Top Side of Transmission on Spec 3958-0172D	NC	NC		LH SIDE ONLY 4500 RDS
24.8	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control	INC	INC		
28	BODY INTEGRATED, REMOTE START/STOP To Start and Stop Vehicle Engine	INC	INC		
29	BODY INTEGRATED, THROTTLE CONTROL Accommodation for Single Customer Mounted External Engine Speed Control Switch, for Utility Applications, Programmable Mode for Various Switch Actions and Engine Speed Control Option, Only with Vehicle Stopped and Park Brake is Applied (requires 1 Remote Power Module input)	NC	NC		
	<b>NOTE:</b> Default Parameters - Input is Momentary Ground = Engine Speed Toggles Between Preset Speed and Idle each Time the Input is Grounded				
30	BODY INTEGRATED, PTO ACCOMMODATION for (3) Latched Rocker Switches, (1) PTO Switch, (2) Generic Switches to Control (3) 30 amp relays, With Programmable Interlocks, for Body Builder Hook up in the Engine Compartment Left Side, Recommended for Automatic Transmissions	\$560.00	\$560.00		
31	DUST SHIELDS, FRONT BRAKE for Air Brakes	inc	inc		
32	DUST SHIELDS, REAR BRAKE for Air Brakes	INC	INC		
33	TRAILER AUXILIARY FEED CIRCUIT for Electric Trailer Brake Accommodation/Air Trailer ABS; With 30 Amp Fuse and Relay, Controlled by Ignition Switch	\$650	\$650		
34	TRAILER CONNECTIONS Four-Wheel, With Hand Control Valve and Tractor Protection Valve, for Straight Truck	NC	NC		
35	AIR BRAKE ABS Full Vehicle Wheel Control system (4-Channel)	NC	NC		
36.1	SUSPENSION, REAR, AIR, Tandem, 55" axle spacing with shock absorbers mounted in board.	INC	INC		AIR RIDE INCLUDED IN SPEC
36.2	Suspension air control in cab	\$51.00	\$51.00		
37	<b>SPECIAL PAINT</b>				
37.1	School Bus Yellow [84S53]	NC	NC		

37.2	Omaha Orange	[W5684E]	NC	NC		
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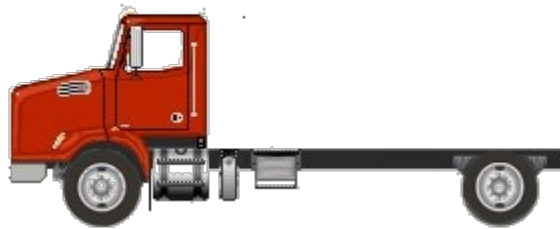
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**Prepared by:**  
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*A proposal for*  
**State of Michigan- Western Star 160D (A-C)**

*Prepared by*  
**D & K TRUCK COMPANY**  
*Edward Merrill*  
*Mar 22, 2017*

**Western Star 4700SB**



Components shown may not reflect all spec'd options and are not to scale

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## S P E C I F I C A T I O N P R O P O S A L

Data Code	Description	Weight Front	Weight Rear
<b>Price Level</b>			
PRL-15T	WESTERN STAR 4700 PRL-15T (EFF:10/25/16)		
<b>Data Version</b>			
DRL-016	SPECPRO21 DATA RELEASE VER 016		
<b>Vehicle Configuration</b>			
001-451	4700 SET-BACK FRONT AXLE CHASSIS	9,215	6,630
004-218	2018 MODEL YEAR SPECIFIED		
002-004	SET BACK AXLE - TRUCK		
019-002	STRAIGHT TRUCK PROVISION		
003-001	LH PRIMARY STEERING LOCATION		
<b>General Service</b>			
AA1-002	TRUCK CONFIGURATION		
AA6-001	DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
A85-002	PICKUP AND DELIVERY/SHORT HAUL SERVICE		
A84-1GM	GOVERNMENT BUSINESS SEGMENT		
AA4-003	DRY BULK COMMODITY		
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS		
AB1-008	MAXIMUM 8% EXPECTED GRADE		
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
995-1A5	WESTERN STAR VOCATIONAL WARRANTY		
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 12000.0 lbs		
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 21000.0 lbs		
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 33000.0 lbs		
<b>Truck Service</b>			
AA3-005	FLATBED/PLATFORM/STAKE BODY		



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Data Code	Description	Weight Front	Weight Rear
<b>Engine</b>			
101-22P	CUM L9 300 HP @ 2000 RPM, 2200 GOV RPM, 860 LB/FT @ 1300 RPM	-850	-70
<b>Electronic Parameters</b>			
79A-075	75 MPH ROAD SPEED LIMIT		
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
79P-002	PTO RPM WITH CRUISE SET SWITCH - 700 RPM		
79Q-003	PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM		
79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH		
79U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND		
80G-002	PTO MINIMUM RPM - 700		
80J-002	REGEN INHIBIT SPEED THRESHOLD - 5 MPH		
<b>Engine Equipment</b>			
99C-017	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION		
99D-011	2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR)		
13E-001	STANDARD OIL PAN		
105-015	OIL FILL AND DIPSTICK LOCATED FOR ENHANCED SERVICEABILITY		
133-004	ONE PIECE VALVE COVER		
014-108	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER WITH SAFETY ELEMENT AND INSIDE/OUTSIDE AIR WITH SNOW DOOR	10	
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE		
292-1D7	(3) ALLIANCE MODEL 1131, GROUP 31, 12 VOLT MAINTENANCE FREE 2850 CCA THREADED STUD BATTERIES	-10	
290-017	BATTERY BOX FRAME MOUNTED	35	
282-042	LH BATTERY BOX MOUNTED AS FAR AFT AS POSSIBLE, NO GREATER THAN 60 INCHES BACK OF CAB		
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
289-011	NON-POLISHED BATTERY BOX COVER WITH 3/16 INCH TETHER ON FORWARD SIDE OF COVER/BOX		



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Data Code	Description	Weight Front	Weight Rear
293-058	POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	8	
295-029	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2	
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE		
131-013	AIR COMPRESSOR DISCHARGE LINE		
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
128-076	CUMMINS EXHAUST BRAKE INTEGRAL WITH VARIABLE GEOMETRY TURBO WITH ON/OFF DASH SWITCH	20	
016-1C3	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE	-50	
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH		
239-001	STANDARD EXHAUST SYSTEM LENGTH		
237-052	RH STANDARD HORIZONTAL TAILPIPE		
23U-001	6 GALLON DIESEL EXHAUST FLUID TANK		
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL		
23Y-002	DIESEL EXHAUST FLUID PUMP MOUNTED AFT OF DIESEL EXHAUST FLUID TANK		
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
242-998	NO MUFFLER/TAILPIPE SHIELD	-10	
273-018	HORTON DRIVEMASTER ADVANTAGE ON/OFF FAN DRIVE		
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED		
110-003	CUMMINS SPIN ON FUEL FILTER		
118-008	COMBINATION FULL FLOW/BYPASS OIL FILTER		
266-017	1300 SQUARE INCH ALUMINUM RADIATOR	-20	
267-006	MOUNTING FOR FIREWALL MOUNTED SURGE TANK		
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT		
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		



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Data Code	Description	Weight Front	Weight Rear
270-016	RADIATOR DRAIN VALVE		
168-998	NO RADIATOR/OIL PAN GUARD	-5	
138-011	PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER	4	
166-998	NO OIL PREHEATER		
140-022	CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		
134-001	ALUMINUM FLYWHEEL HOUSING		
132-004	ELECTRIC GRID AIR INTAKE WARMER		
155-055	DELCO 12V 39MT HD/OCP STARTER WITH THERMAL PROTECTION AND INTEGRATED MAGNETIC SWITCH		

### Transmission

342-584	ALLISON 3500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	-110	-35
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### Transmission Equipment

343-339	ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV		
84B-012	ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES		
84C-023	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84D-023	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84E-000	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84F-000	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84G-000	PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84H-000	SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84L-000	LOAD BASED SHIFT SCHEDULE AND VEHICLE ACCELERATION CONTROL RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED VOCATIONAL USAGE		



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Data Code	Description	Weight Front	Weight Rear
353-061	BODY LIGHTING INTERFACE BLUNT CUT WIRING WITH FUSE PANEL WIRE MOUNTED BETWEEN DRIVER AND PASSENGER SEATS WITH ADDITIONAL 150 AMP SERVICE		
34C-010	ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR, BLUNT CUT, MOUNTED BETWEEN DRIVER AND PASSENGER SEATS		
362-1Y0	(2) CUSTOMER INSTALLED CHELSEA 277 SERIES PTO'S		
363-011	PTO MOUNTING, LH AND RH SIDES OF MAIN TRANSMISSION		
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN		
345-003	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED		
97G-004	TRANSMISSION PROGNOSTICS - ENABLED 2013		
370-015	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK		
346-003	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK		
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		

### Front Axle and Equipment

400-1A6	DETROIT DA-F-12.0-3 12,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE	-190	
402-020	MERITOR 15X4 Q+ CAM FRONT BRAKES	-10	
403-002	NON-ASBESTOS FRONT BRAKE LINING		
419-023	CONMET CAST IRON FRONT BRAKE DRUMS		
427-001	FRONT BRAKE DUST SHIELDS	5	
409-021	SKF SCOTSEAL PLUS XL FRONT OIL SEALS		
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL		
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES		
405-003	HALDEX AUTOMATIC FRONT SLACK ADJUSTERS		
406-001	STANDARD KING PIN BUSHINGS		
536-050	TRW THP-60 POWER STEERING	-40	
539-003	POWER STEERING PUMP		
534-015	2 QUART SEE THROUGH POWER STEERING RESERVOIR		
40T-002	SYNTHETIC 75W-90 FRONT AXLE LUBE		

### Front Suspension



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Data Code	Description	Weight Front	Weight Rear
620-1F0	12,000# DUAL TAPERLEAF FRONT SUSPENSION	-188	
619-005	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION		
410-001	FRONT SHOCK ABSORBERS		

### Rear Axle and Equipment

420-009	RS-21-160 21,000# R-SERIES SINGLE REAR AXLE		-2,300
421-538	5.38 REAR AXLE RATIO		
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
386-076	MXL 17N MERITOR EXTENDED LUBE MAIN DRIVELINE WITH FULL ROUND YOKES	-30	-30
423-020	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
433-002	NON-ASBESTOS REAR BRAKE LINING		
434-012	BRAKE CAMS AND CHAMBERS ON REAR SIDE OF DRIVE AXLE(S)		
451-023	CONMET CAST IRON REAR BRAKE DRUMS		
440-021	SKF SCOTSEAL PLUS XL REAR OIL SEALS		
426-074	HALDEX GOLDSEAL LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS		-20
428-003	HALDEX AUTOMATIC REAR SLACK ADJUSTERS		
41T-002	SYNTHETIC 75W-90 REAR AXLE LUBE		

### Rear Suspension

622-001	23,000# FLAT LEAF SPRING REAR SUSPENSION WITH RADIUS ROD		
621-001	SPRING SUSPENSION - NO AXLE SPACERS		
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP		
623-005	FORE/AFT CONTROL RODS		

### Brake System

490-100	WABCO 4S/4M ABS WITHOUT TRACTION CONTROL		
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES		
904-001	FIBER BRAID PARKING BRAKE HOSE		
412-001	STANDARD BRAKE SYSTEM VALVES		
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE		
480-083	WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER		



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Data Code	Description	Weight Front	Weight Rear
483-004	WABCO OIL COALESCING FILTER FOR AIR DRYER		
479-015	AIR DRYER FRAME MOUNTED		
460-001	STEEL AIR BRAKE RESERVOIRS		
477-001	PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS		
<b>Wheelbase &amp; Frame</b>			
545-457	4575MM (180 INCH) WHEELBASE		
546-099	9/32X3-7/16X10-1/16 INCH STEEL FRAME (7.14MMX255.6MM/0.281X10.06 INCH) 120KSI	40	-160
548-803	BODY COMPANY INSTALLED ADDITIONAL FRONT FRAME REINFORCEMENT FOR SNOW PLOW		
552-030	1600MM (63 INCH) REAR FRAME OVERHANG		
55W-006	FRAME OVERHANG RANGE: 61 INCH TO 70 INCH		
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 116.69 in		
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 113.69 in		
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 273.12		
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 116.69 in		
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 63.32 in		
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 147.9 in		
553-001	SQUARE END OF FRAME		
559-001	STANDARD WEIGHT ENGINE CROSSMEMBER		
561-001	STANDARD CROSSMEMBER BACK OF TRANSMISSION		
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)		
572-001	STANDARD REARMOST CROSSMEMBER		
565-002	HEAVY DUTY SUSPENSION CROSSMEMBER		
568-001	STANDARD WEIGHT REAR SUSPENSION CROSSMEMBER		
<b>Chassis Equipment</b>			
556-1E7	14 INCH PAINTED STEEL SEVERE DUTY BUMPER	130	-15
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE		
586-015	FRONT ANTI-SPRAY CAB MOUNTED MUDFLAPS		
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS		





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Data Code	Description	Weight Front	Weight Rear
44Z-998	NO SPECIFIED HARNESS COVERING		
61C-002	SINGLE TOOL/STORAGE BOX #2 FRAME MOUNTED RH SIDE UNDER CAB		
<b>Fuel Tanks</b>			
204-151	60 GALLON/227 LITER ALUMINUM FUEL TANK - LH		
218-006	25 INCH DIAMETER FUEL TANK(S)		
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
212-007	FUEL TANK(S) FORWARD		
664-001	PLAIN STEP FINISH		
205-001	FUEL TANK CAP(S)		
122-1H8	DAVCO 245 FUEL/WATER SEPARATOR WITH 12 VOLT HEAT AND WATER IN FUEL SENSOR	20	
216-020	EQUIFLO INBOARD FUEL SYSTEM		
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
221-998	NO FUEL COOLER	-10	
<b>Tires</b>			
093-2G9	BRIDGESTONE ECOPIA R268 11R22.5 14 PLY RADIAL FRONT TIRES	12	
094-1RW	BRIDGESTONE M726ELA 11R22.5 14 PLY RADIAL REAR TIRES		76
<b>Hubs</b>			
418-056	CONMET PRESET PLUS IRON FRONT HUBS		
450-056	CONMET PRESET PLUS IRON REAR HUBS		
<b>Wheels</b>			
502-1F2	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC FRONT WHEELS		
505-428	ACCURIDE 28828 22.5X8.25 10-HUB PILOT 2-HAND HD STEEL DISC REAR WHEELS		52
496-011	FRONT WHEEL MOUNTING NUTS		
497-011	REAR WHEEL MOUNTING NUTS		
<b>Cab Exterior</b>			
829-1A8	110 INCH BBC STEEL CONVENTIONAL CAB		
82A-023	WESTERN STAR PAINTED ALUMINUM CAB SKIRT		
650-044	AIR CAB MOUNTS WITH CHECK VALVE		



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Data Code	Description	Weight Front	Weight Rear
648-002	NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE		
667-001	FRONT FENDERS		
754-001	2 INCH FENDER EXTENSIONS	5	
678-039	LH AND RH EXTERIOR GRAB HANDLES WITH RUBBER INSERT AND LH AND RH INTERIOR GRAB HANDLES MOUNTED TO A POST		
646-008	STATIONARY BRIGHT FINISH GRILLE		
65X-003	CHROME HOOD MOUNTED AIR INTAKE GRILLE		
640-008	GALVANEALD STEEL SEVERE SERVICE CAB		
644-006	FIBERGLASS HOOD WITH ACCESS HATCHES	10	
727-012	DUAL HADLEY SD-978 26 INCH RECTANGULAR AIR HORNS		
726-002	DUAL ELECTRIC HORNS		
728-002	DUAL HORN SHIELDS		
657-1CT	ALL UNITS KEYED THE SAME WITH (3) KEYS, KEY CODE TO BE D411		
575-001	REAR LICENSE PLATE MOUNT END OF FRAME		
312-072	SINGLE RECTANGULAR SEALED BEAM HEADLIGHTS WITH BRIGHT BEZELS		
302-001	(5) AMBER MARKER LIGHTS		
315-808	WIRING AND SWITCH ONLY FOR CUSTOMER FURNISHED FOG LIGHTS		
294-001	INTEGRAL STOP/TAIL/BACKUP LIGHTS		
300-015	STANDARD FRONT TURN SIGNAL LAMPS		
744-008	DUAL STAINLESS STEEL HEATED MIRRORS		
797-001	DOOR MOUNTED MIRRORS		
796-001	102 INCH EQUIPMENT WIDTH		
743-1AC	LH AND RH 8 INCH STAINLESS STEEL CONVEX MIRRORS MOUNTED BELOW PRIMARY MIRRORS		
74A-001	RH DOWN VIEW MIRROR		
729-001	STANDARD SIDE/REAR REFLECTORS		
768-046	17.5X35 INCH TINTED REAR WINDOW		
661-006	TINTED DOOR GLASS		
654-006	RH ELECTRIC AND LH MANUAL WINDOWS	2	
663-002	2-PIECE TINTED CURVED GASKET MOUNTED WINDSHIELD		
659-025	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, MOUNTED UNDER CAB, WITH REMOTE FILL		

**Cab Interior**



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<b>Data Code</b>	<b>Description</b>	<b>Weight Front</b>	<b>Weight Rear</b>
707-1D0	GRAY VINYL BASE INTERIOR		
70K-005	BLACK HARD TRIM		
706-049	BASE LEFT HAND DOOR TRIM		
708-049	BASE RIGHT HAND DOOR TRIM		
772-006	BLACK MATS WITH SINGLE INSULATION		
785-007	DASH MOUNTED ASH TRAY AND LIGHTER, DRIVER SIDE		
691-001	FORWARD ROOF MOUNTED CONSOLE		
694-009	PASSENGER SIDE WING DASH MOUNTED GLOVE BOX WITH LOCKING DOOR		
693-025	LH AND RH DOOR MAP POCKETS		
741-029	COAT HOOK ON RH BACKWALL OF CAB		
680-034	TWO-TONE CHARCOAL UPPER/COOL GRAY LOWER SOFT TOUCH WING DASH WITH BLACK DRIVER SIDE COSMETIC UNDER DASH COVER		
320-004	STANDARD WIRING		
700-023	HEATER, DEFROSTER AND AIR CONDITIONER WITH CONSTANT TEMPERATURE CONTROL AND COSMETIC COVER		
701-010	HVAC DUCTING WITH FOAM MAIN FRESH AIR FILTER AND OUTSIDE PRE-FILTER		
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
170-015	STANDARD HEATER PLUMBING		
130-033	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR		
698-001	RADIATOR MOUNTED AIR CONDITIONER CONDENSER		
702-002	BINARY CONTROL, R-134A		
739-002	ADDITIONAL CAB SIDEWALL INSULATION	60	10
285-019	AUTOMATIC SELF-RESET CIRCUIT BREAKER IN MAIN DASH POWER DISTRIBUTION BOX AND CIRCUIT BREAKER/FUSE IN AUXILIARY POWER DISTRIBUTION BOXES		
324-075	DOOR ACTIVATED DOME LIGHT, UNDER DASH LIGHT AND LH AND RH DOOR MOUNTED COURTESY LIGHTS		
655-001	CAB DOOR LATCHES WITH MANUAL DOOR LOCKS		
284-023	(1) 12 VOLT POWER SUPPLY IN DASH		
756-1DD	BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH 1 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION AND REAR CUSHION TILT		



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Data Code	Description	Weight Front	Weight Rear
760-1DD	BASIC HIGH BACK AIR SUSPENSION PASSENGER SEAT WITH 1 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION AND REAR CUSHION TILT	25	10
759-005	DUAL DRIVER AND PASSENGER SEAT ARMRESTS	8	
758-022	BLACK MORDURA CLOTH DRIVER SEAT COVER		
761-023	BLACK MORDURA CLOTH PASSENGER SEAT COVER		
763-003	3 POINT DRIVER AND PASSENGER SEAT BELT RETRACTORS		
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN		
540-005	2-SPOKE 20 INCH (500MM) BLACK STEERING WHEEL		
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS		

### Instruments & Controls

185-002	Non-adjustable suspended pedals		
87L-001	ENGINE REMOTE INTERFACE WITH PARK BRAKE INTERLOCK		
870-004	STAR GAUGES WITH BLACK BEZELS		
732-001	BLACK DRIVER INSTRUMENT PANEL		
734-001	BLACK CENTER INSTRUMENT PANEL		
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM		
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES		
198-024	FILTERMINDER DASH MOUNTED AIR RESTRICTION GAUGE	2	
149-012	CRUISE CONTROL SWITCHES IN THE CENTER PANEL		
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY		
811-001	WARNING LAMP/LIGHT BAR DISPLAY, NON-DATA LINKED		
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH		
844-001	2 INCH ELECTRIC FUEL GAUGE		
148-070	ENGINE REMOTE INTERFACE WITH PRESET FAST IDLE		



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Data Code	Description	Weight Front	Weight Rear
163-013	ENGINE REMOTE INTERFACE CONNECTOR IN CAB BETWEEN DRIVER AND PASSENGER SEATS		
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE		
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE		
746-114	AM/FM/WB WORLD TUNER RADIO WITH AUXILIARY INPUT, J1939	10	
747-002	ROOF/OVERHEAD CONSOLE MOUNTED RADIO		
750-004	(4) RADIO SPEAKERS IN CAB		
753-021	AM/FM ANTENNA MOUNTED ON LH FRONT A-PILLAR	2	
748-026	POWER AND GROUND WIRING FOR CB RADIO IN OVERHEAD CONSOLE		
752-024	MULTI-BAND AM/FM/WB/CB RH MIRROR MOUNTED ANTENNA SYSTEM		
75A-002	UHF/VHF RADIO POWER/GROUND HARNESS TO OVERHEAD INSTRUMENT PANEL		
810-042	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITH ODOMETER		
817-001	STANDARD VEHICLE SPEED SENSOR		
812-001	ELECTRONIC 3000 RPM TACHOMETER		
813-998	NO VEHICLE PERFORMANCE MONITOR		
8D1-998	NO DIRECT CONNECT		
8Z1-998	NO ZONAR SYSTEMS (SCO)		
162-002	IGNITION SWITCH CONTROLLED ENGINE STOP		
329-072	SIX IGNITION CONTROLLED EXTRA SWITCHES WITH INDICATOR LIGHT, 20 AMPS, WIRED BEHIND PASSENGER SEAT		
836-001	2 INCH VOLTMETER		
660-008	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY		
304-015	CAB/TRAILER MARKER LIGHT SWITCH WITH SEPARATE HEADLIGHT SWITCH		
882-009	ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR		
299-037	SELF CANCELING TURN SIGNAL SWITCH WITH INTEGRAL HEADLAMP DIMMER WITH BRAKE OVERRIDE		
298-036	PACIFIC INSIGHT ELECTRONIC FLASHER		

**Design**



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Data Code	Description	Weight Front	Weight Rear
065-000	PAINT: ONE SOLID COLOR		
<b>Color</b>			
980-5E7	CAB COLOR A: L0789EB OMAHA ORANGE ELITE BC		
96J-001	CAB INTERIOR PAINTED SAME AS CAB COLOR		
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT		
962-972	POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)		
966-972	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)		
964-993	BUMPER PAINTED SAME AS CHASSIS		

(+) Weights shown are estimates only.  
 If weight is critical, contact Customer Application Engineering.



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## Q U O T A T I O N

### 4700 SET-BACK FRONT AXLE CHASSIS

SET BACK AXLE - TRUCK CUM L9 300 HP @ 2000 RPM, 2200 GOV RPM, 860 LB/FT @ 1300 RPM ALLISON 3500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION RS-21-160 21,000# R-SERIES SINGLE REAR AXLE 23,000# FLAT LEAF SPRING REAR SUSPENSION WITH RADIUS ROD DETROIT DA-F-12.0-3 12,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE	12,000# DUAL TAPERLEAF FRONT SUSPENSION 110 INCH BBC STEEL CONVENTIONAL CAB 4575MM (180 INCH) WHEELBASE 9/32X3-7/16X10-1/16 INCH STEEL FRAME (7.14MMX255.6MM/0.281X10.06 INCH) 120KSI 1600MM (63 INCH) REAR FRAME OVERHANG BODY COMPANY INSTALLED ADDITIONAL FRONT FRAME REINFORCEMENT FOR SNOW PLOW
--	--

			<b>PER UNIT</b>		<b>TOTAL</b>
VEHICLE PRICE	<b>TOTAL # OF UNITS (1)</b>	\$	76,776	\$	76,776
<b>CUSTOMER PRICE BEFORE TAX</b>		<b>\$</b>	<b>76,776</b>	<b>\$</b>	<b>76,776</b>

### TAXES AND FEES

TAXES AND FEES	\$	0	\$	0
OTHER CHARGES	\$	0	\$	0

<b>BALANCE DUE</b>	<b>(LOCAL CURRENCY)</b>	<b>\$</b>	<b>76,776</b>	<b>\$</b>	<b>76,776</b>
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**COMMENTS:**

Projected delivery on \_\_\_ / \_\_\_ / \_\_\_ provided the order is received before \_\_\_ / \_\_\_ / \_\_\_.

**APPROVAL:**

Please indicate your acceptance of this quotation by signing below:

Customer: X \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_.



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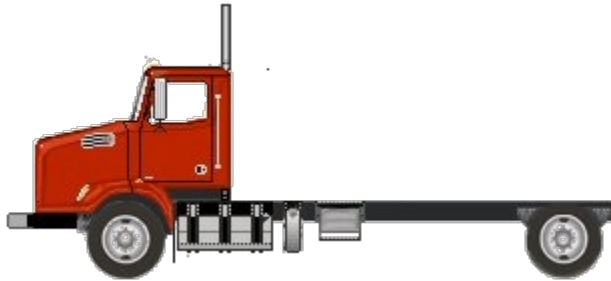
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*A proposal for*  
**State of Michigan- Western Star 170D**

*Prepared by*  
**D & K TRUCK COMPANY**  
*Edward Merrill*

*Mar 22, 2017*

**Western Star 4700SB**



Components shown may not reflect all spec'd options and are not to scale





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## S P E C I F I C A T I O N P R O P O S A L

Data Code	Description	Weight Front	Weight Rear
<b>Price Level</b>			
PRL-15T	WESTERN STAR 4700 PRL-15T (EFF:10/25/16)		
<b>Data Version</b>			
DRL-016	SPECPRO21 DATA RELEASE VER 016		
<b>Vehicle Configuration</b>			
001-451	4700 SET-BACK FRONT AXLE CHASSIS	9,215	6,630
004-218	2018 MODEL YEAR SPECIFIED		
002-004	SET BACK AXLE - TRUCK		
019-001	TRAILER TOWING PROVISION AT END OF FRAME FOR TRUCK	10	10
003-001	LH PRIMARY STEERING LOCATION		
<b>General Service</b>			
AA1-003	TRUCK/TRAILER CONFIGURATION		
AA6-001	DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
A85-011	CONSTRUCTION SERVICE		
A84-1CO	CONSTRUCTION BUSINESS SEGMENT		
AA4-003	DRY BULK COMMODITY		
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS		
AB1-008	MAXIMUM 8% EXPECTED GRADE		
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
995-1A5	WESTERN STAR VOCATIONAL WARRANTY		
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 18000.0 lbs		
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 26000.0 lbs		
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 44000.0 lbs		
A70-99D	EXPECTED GROSS COMBINATION WEIGHT : 80000.0 lbs		



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Data Code	Description	Weight Front	Weight Rear
<b>Truck Service</b>			
AA3-073	BELLY PLOW BODY WITH HIGH GROUND CLEARANCE		
<b>Engine</b>			
101-22T	CUM L9 350 HP @ 2000 RPM, 2200 GOV RPM, 1150 LB/FT @ 1400 RPM	-850	-70
<b>Electronic Parameters</b>			
79A-075	75 MPH ROAD SPEED LIMIT		
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
79P-002	PTO RPM WITH CRUISE SET SWITCH - 700 RPM		
79Q-003	PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM		
79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH		
79U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND		
80G-002	PTO MINIMUM RPM - 700		
80J-002	REGEN INHIBIT SPEED THRESHOLD - 5 MPH		
<b>Engine Equipment</b>			
99C-017	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION		
99D-011	2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR)		
13E-001	STANDARD OIL PAN		
105-015	OIL FILL AND DIPSTICK LOCATED FOR ENHANCED SERVICEABILITY		
133-004	ONE PIECE VALVE COVER		
014-108	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER WITH SAFETY ELEMENT AND INSIDE/OUTSIDE AIR WITH SNOW DOOR	10	
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE		
292-1D7	(3) ALLIANCE MODEL 1131, GROUP 31, 12 VOLT MAINTENANCE FREE 2850 CCA THREADED STUD BATTERIES	-10	
290-017	BATTERY BOX FRAME MOUNTED	35	
282-042	LH BATTERY BOX MOUNTED AS FAR AFT AS POSSIBLE, NO GREATER THAN 60 INCHES BACK OF CAB		



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Data Code	Description	Weight Front	Weight Rear
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
289-011	NON-POLISHED BATTERY BOX COVER WITH 3/16 INCH TETHER ON FORWARD SIDE OF COVER/BOX		
293-058	POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	8	
295-029	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2	
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE		
131-013	AIR COMPRESSOR DISCHARGE LINE		
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
128-076	CUMMINS EXHAUST BRAKE INTEGRAL WITH VARIABLE GEOMETRY TURBO WITH ON/OFF DASH SWITCH	20	
016-1E2	RAISED RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE	-35	-30
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH		
239-026	10 FOOT 06 INCH (126 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT		
237-1F8	RH CURVED VERTICAL TAILPIPE B-PILLAR RAISED UNDER STEP MOUNTED AFTERTREATMENT SYSTEM		
23U-001	6 GALLON DIESEL EXHAUST FLUID TANK		
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL		
23Y-002	DIESEL EXHAUST FLUID PUMP MOUNTED AFT OF DIESEL EXHAUST FLUID TANK		
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
242-001	STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAILPIPE SHIELD		
273-018	HORTON DRIVEMASTER ADVANTAGE ON/OFF FAN DRIVE		
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED		
110-003	CUMMINS SPIN ON FUEL FILTER		
118-008	COMBINATION FULL FLOW/BYPASS OIL FILTER		



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Data Code	Description	Weight Front	Weight Rear
266-017	1300 SQUARE INCH ALUMINUM RADIATOR	-20	
267-006	MOUNTING FOR FIREWALL MOUNTED SURGE TANK		
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT		
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		
270-016	RADIATOR DRAIN VALVE		
168-998	NO RADIATOR/OIL PAN GUARD	-5	
360-016	1310 ADAPTER FLANGE FOR FRONT PTO PROVISION	10	
138-011	PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER	4	
166-998	NO OIL PREHEATER		
140-022	CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		
134-001	ALUMINUM FLYWHEEL HOUSING		
132-004	ELECTRIC GRID AIR INTAKE WARMER		
155-055	DELCO 12V 39MT HD/OCV STARTER WITH THERMAL PROTECTION AND INTEGRATED MAGNETIC SWITCH		

### Transmission

342-1M3	ALLISON 4500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	170	50
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### Transmission Equipment

343-339	ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV		
84B-012	ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES		
84C-023	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84D-023	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84E-000	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		



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Data Code	Description	Weight Front	Weight Rear
84F-000	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84G-000	PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84H-000	SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84L-000	LOAD BASED SHIFT SCHEDULE AND VEHICLE ACCELERATION CONTROL RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED VOCATIONAL USAGE		
353-061	BODY LIGHTING INTERFACE BLUNT CUT WIRING WITH FUSE PANEL WIRE MOUNTED BETWEEN DRIVER AND PASSENGER SEATS WITH ADDITIONAL 150 AMP SERVICE		
34C-010	ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR, BLUNT CUT, MOUNTED BETWEEN DRIVER AND PASSENGER SEATS		
362-1Y0	(2) CUSTOMER INSTALLED CHELSEA 277 SERIES PTO'S		
363-010	PTO MOUNTING, LH SIDE AND TOP RH SIDE OF MAIN TRANSMISSION		
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN		
345-003	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED		
97G-004	TRANSMISSION PROGNOSTICS - ENABLED 2013		
370-015	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK		
346-003	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK		
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		

### Front Axle and Equipment

400-1BA	DETROIT DA-F-18.0-5 18,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE		
402-030	MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
403-002	NON-ASBESTOS FRONT BRAKE LINING		
419-023	CONMET CAST IRON FRONT BRAKE DRUMS		
427-001	FRONT BRAKE DUST SHIELDS	5	
409-021	SKF SCOTSEAL PLUS XL FRONT OIL SEALS		



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 Phone: 517-334-7763

Prepared by:  
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Data Code	Description	Weight Front	Weight Rear
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL		
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES		
405-003	HALDEX AUTOMATIC FRONT SLACK ADJUSTERS		
406-001	STANDARD KING PIN BUSHINGS		
536-012	TRW TAS-85 POWER STEERING		
539-003	POWER STEERING PUMP		
534-003	4 QUART POWER STEERING RESERVOIR	5	
40T-002	SYNTHETIC 75W-90 FRONT AXLE LUBE		
<b>Front Suspension</b>			
620-005	18,000# FLAT LEAF FRONT SUSPENSION	30	
619-004	GRAPHITE BRONZE BUSHINGS WITH SEALS - FRONT SUSPENSION		
<b>Rear Axle and Equipment</b>			
420-022	RS-26-185 26,000# T-SERIES SINGLE REAR AXLE		-2,210
421-538	5.38 REAR AXLE RATIO		
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
386-076	MXL 17N MERITOR EXTENDED LUBE MAIN DRIVELINE WITH FULL ROUND YOKES	20	20
452-001	DRIVER CONTROLLED TRACTION DIFFERENTIAL - SINGLE REAR AXLE		20
878-018	(1) DRIVER CONTROLLED DIFFERENTIAL LOCK REAR VALVE FOR SINGLE DRIVE AXLE		
423-010	MERITOR 16.5X7 P CAM REAR BRAKES, DOUBLE ANCHOR, CAST SHOES		20
433-002	NON-ASBESTOS REAR BRAKE LINING		
434-011	BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)		
451-030	WEBB HEAVY WEIGHT CAST IRON REAR BRAKE DRUMS		80
440-021	SKF SCOTSEAL PLUS XL REAR OIL SEALS		
426-074	HALDEX GOLDSEAL LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS		-20
428-003	HALDEX AUTOMATIC REAR SLACK ADJUSTERS		
41T-002	SYNTHETIC 75W-90 REAR AXLE LUBE		
<b>Rear Suspension</b>			
622-1DA	26,000# FLAT LEAF SPRING REAR SUSPENSION WITH RADIUS ROD		30
621-001	SPRING SUSPENSION - NO AXLE SPACERS		



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Data Code	Description	Weight Front	Weight Rear
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP		
623-005	FORE/AFT CONTROL RODS		
<b>Brake System</b>			
490-100	WABCO 4S/4M ABS WITHOUT TRACTION CONTROL		
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES		
904-001	FIBER BRAID PARKING BRAKE HOSE		
412-001	STANDARD BRAKE SYSTEM VALVES		
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE		
480-083	WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER		
483-004	WABCO OIL COALESCING FILTER FOR AIR DRYER		
479-015	AIR DRYER FRAME MOUNTED		
460-1AE	STEEL AIR TANKS MOUNTED FOR MAX GROUND CLEARANCE, (BELLY PLOW - AA3-073)		
477-001	PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS		
<b>Trailer Connections</b>			
914-001	AIR CONNECTIONS TO END OF FRAME WITH GLAD HANDS FOR TRUCK AND NO DUST COVERS		
296-010	PRIMARY CONNECTOR/RECEPTACLE WIRED FOR SEPARATE STOP/TURN, ABS CENTER PIN POWERED THROUGH IGNITION		
297-001	SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME		
<b>Wheelbase &amp; Frame</b>			
545-515	5150MM (203 INCH) WHEELBASE		
546-1B2	1/2X3.64X11-7/8 INCH STEEL FRAME (12.7MMX301.6MM/0.5X11.88 INCH) 120KSI	540	160
547-034	PARTIAL INNER FRAME REINFORCEMENT AT FRONT SUSPENSION	195	-5
548-803	BODY COMPANY INSTALLED ADDITIONAL FRONT FRAME REINFORCEMENT FOR SNOW PLOW		
552-014	1900MM (75 INCH) REAR FRAME OVERHANG		
55W-007	FRAME OVERHANG RANGE: 71 INCH TO 80 INCH	-20	110
549-002	24 INCH INTEGRAL FRONT FRAME EXTENSION	122	-10



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Data Code	Description	Weight Front	Weight Rear
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 139.69 in		
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 136.69 in		
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 347.61		
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 139.69 in		
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 55.47 in		
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 171.15 in		
553-001	SQUARE END OF FRAME		
559-001	STANDARD WEIGHT ENGINE CROSSMEMBER		
561-001	STANDARD CROSSMEMBER BACK OF TRANSMISSION		
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)		
572-001	STANDARD REAR MOST CROSSMEMBER		
565-001	STANDARD SUSPENSION CROSSMEMBER		
568-001	STANDARD WEIGHT REAR SUSPENSION CROSSMEMBER		

### Chassis Equipment

556-1E7	14 INCH PAINTED STEEL SEVERE DUTY BUMPER	130	-15
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE		
586-015	FRONT ANTI-SPRAY CAB MOUNTED MUDFLAPS		
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS		
44Z-998	NO SPECIFIED HARNESS COVERING		
603-100	27X17X11 INCH PLAIN STEP BOX WITH REMOVABLE COVER FOR CAB ENTRY WITH HIGH GROUND CLEARANCE	50	50
61C-002	SINGLE TOOL/STORAGE BOX #2 FRAME MOUNTED RH SIDE UNDER CAB		

### Fuel Tanks

204-195	60 GALLON/227 LITER RECTANGULAR ALUMINUM FUEL TANK - LH	5	
218-005	RECTANGULAR FUEL TANK(S)		
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
212-011	FUEL TANK(S) FORWARD - RAISED MOUNTING		
664-001	PLAIN STEP FINISH		





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Data Code	Description	Weight Front	Weight Rear
205-001	FUEL TANK CAP(S)		
122-1H8	DAVCO 245 FUEL/WATER SEPARATOR WITH 12 VOLT HEAT AND WATER IN FUEL SENSOR	20	
216-020	EQUIFLO INBOARD FUEL SYSTEM		
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
221-998	NO FUEL COOLER	-10	
<b>Tires</b>			
093-0TA	MICHELIN XZY-3 385/65R22.5 18 PLY RADIAL FRONT TIRES	130	
094-0DJ	MICHELIN XDE M/S 11R22.5 16 PLY RADIAL REAR TIRES		44
<b>Hubs</b>			
418-056	CONMET PRESET PLUS IRON FRONT HUBS		
450-056	CONMET PRESET PLUS IRON REAR HUBS		
<b>Wheels</b>			
502-574	ACCURIDE 29807 22.5X12.25 10-HUB PILOT 4.75 INSET 5-HAND STEEL DISC FRONT WHEELS	98	
505-428	ACCURIDE 28828 22.5X8.25 10-HUB PILOT 2-HAND HD STEEL DISC REAR WHEELS		52
496-011	FRONT WHEEL MOUNTING NUTS		
497-011	REAR WHEEL MOUNTING NUTS		
<b>Cab Exterior</b>			
829-1A8	110 INCH BBC STEEL CONVENTIONAL CAB		
82A-023	WESTERN STAR PAINTED ALUMINUM CAB SKIRT		
650-044	AIR CAB MOUNTS WITH CHECK VALVE		
648-002	NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE		
667-001	FRONT FENDERS		
754-001	2 INCH FENDER EXTENSIONS	5	
678-061	LH AND RH EXTENDED EXTERIOR GRAB HANDLES WITH RUBBER INSERTS AND LH AND RH INTERIOR GRAB HANDLES MOUNTED TO A POST		
646-008	STATIONARY BRIGHT FINISH GRILLE		
65X-003	CHROME HOOD MOUNTED AIR INTAKE GRILLE		
640-008	GALVANEALD STEEL SEVERE SERVICE CAB		
644-006	FIBERGLASS HOOD WITH ACCESS HATCHES	10	
727-012	DUAL HADLEY SD-978 26 INCH RECTANGULAR AIR HORNS		



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Data Code	Description	Weight Front	Weight Rear
726-002	DUAL ELECTRIC HORNS		
728-002	DUAL HORN SHIELDS		
657-1CT	ALL UNITS KEYED THE SAME WITH (3) KEYS, KEY CODE TO BE D411		
575-001	REAR LICENSE PLATE MOUNT END OF FRAME		
327-012	SWITCH, INDICATOR LIGHT AND WIRING FOR (2) CUSTOMER FURNISHED BEACONS		
312-072	SINGLE RECTANGULAR SEALED BEAM HEADLIGHTS WITH BRIGHT BEZELS		
302-001	(5) AMBER MARKER LIGHTS		
314-824	WIRING AND SWITCH FOR CUSTOMER FURNISHED SNOW PLOW LAMPS WITH DUAL CONNECTIONS AT BUMPER		
315-808	WIRING AND SWITCH ONLY FOR CUSTOMER FURNISHED FOG LIGHTS		
294-001	INTEGRAL STOP/TAIL/BACKUP LIGHTS		
300-015	STANDARD FRONT TURN SIGNAL LAMPS		
744-1E0	DUAL WEST COAST STAINLESS STEEL HEATED MIRRORS WITH LH AND RH REMOTE		
797-001	DOOR MOUNTED MIRRORS		
796-001	102 INCH EQUIPMENT WIDTH		
743-1AA	LH AND RH SUREPLUS 574 8 INCH BRIGHT FINISH HEATED CONVEX MIRRORS WITH SEPARATE ADJUSTMENT, MOUNTED BELOW MIRROR		
74A-001	RH DOWN VIEW MIRROR		
729-001	STANDARD SIDE/REAR REFLECTORS		
787-020	ELECTRIC DOOR LOCKS, MECHANICAL KEY TUMBLER		
677-062	FIXED CAB MOUNTED STEPS LH AND RH FOR CAB ENTRY, BELLY PLOW BODY WITH HIGH GROUND CLEARANCE DOES NOT COMPLY FMCSR 399		
768-046	17.5X35 INCH TINTED REAR WINDOW		
661-006	TINTED DOOR GLASS		
654-011	RH AND LH ELECTRIC POWERED WINDOWS	4	
663-002	2-PIECE TINTED CURVED GASKET MOUNTED WINDSHIELD		
659-025	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, MOUNTED UNDER CAB, WITH REMOTE FILL		

**Cab Interior**

707-1D0 GRAY VINYL BASE INTERIOR



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Data Code	Description	Weight Front	Weight Rear
70K-005	BLACK HARD TRIM		
706-049	BASE LEFT HAND DOOR TRIM		
708-049	BASE RIGHT HAND DOOR TRIM		
772-006	BLACK MATS WITH SINGLE INSULATION		
785-007	DASH MOUNTED ASH TRAY AND LIGHTER, DRIVER SIDE		
691-001	FORWARD ROOF MOUNTED CONSOLE		
694-009	PASSENGER SIDE WING DASH MOUNTED GLOVE BOX WITH LOCKING DOOR		
693-025	LH AND RH DOOR MAP POCKETS		
741-029	COAT HOOK ON RH BACKWALL OF CAB		
680-034	TWO-TONE CHARCOAL UPPER/COOL GRAY LOWER SOFT TOUCH WING DASH WITH BLACK DRIVER SIDE COSMETIC UNDER DASH COVER		
320-004	STANDARD WIRING		
700-023	HEATER, DEFROSTER AND AIR CONDITIONER WITH CONSTANT TEMPERATURE CONTROL AND COSMETIC COVER		
701-010	HVAC DUCTING WITH FOAM MAIN FRESH AIR FILTER AND OUTSIDE PRE-FILTER		
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
170-015	STANDARD HEATER PLUMBING		
130-033	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR		
698-001	RADIATOR MOUNTED AIR CONDITIONER CONDENSER		
702-002	BINARY CONTROL, R-134A		
739-002	ADDITIONAL CAB SIDEWALL INSULATION	60	10
285-019	AUTOMATIC SELF-RESET CIRCUIT BREAKER IN MAIN DASH POWER DISTRIBUTION BOX AND CIRCUIT BREAKER/FUSE IN AUXILIARY POWER DISTRIBUTION BOXES		
324-075	DOOR ACTIVATED DOME LIGHT, UNDER DASH LIGHT AND LH AND RH DOOR MOUNTED COURTESY LIGHTS		
655-005	LH AND RH ELECTRIC DOOR LOCKS		
284-023	(1) 12 VOLT POWER SUPPLY IN DASH		
756-1DD	BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH 1 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION AND REAR CUSHION TILT		



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Data Code	Description	Weight Front	Weight Rear
760-1DD	BASIC HIGH BACK AIR SUSPENSION PASSENGER SEAT WITH 1 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION AND REAR CUSHION TILT	25	10
759-005	DUAL DRIVER AND PASSENGER SEAT ARMRESTS	8	
758-022	BLACK MORDURA CLOTH DRIVER SEAT COVER		
761-023	BLACK MORDURA CLOTH PASSENGER SEAT COVER		
763-003	3 POINT DRIVER AND PASSENGER SEAT BELT RETRACTORS		
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN		
540-005	2-SPOKE 20 INCH (500MM) BLACK STEERING WHEEL		
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS		

### Instruments & Controls

185-002	Non-adjustable suspended pedals		
87L-001	ENGINE REMOTE INTERFACE WITH PARK BRAKE INTERLOCK		
870-004	STAR GAUGES WITH BLACK BEZELS		
732-001	BLACK DRIVER INSTRUMENT PANEL		
734-001	BLACK CENTER INSTRUMENT PANEL		
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM		
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES		
198-024	FILTERMINDER DASH MOUNTED AIR RESTRICTION GAUGE	2	
149-012	CRUISE CONTROL SWITCHES IN THE CENTER PANEL		
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY		
811-001	WARNING LAMP/LIGHT BAR DISPLAY, NON-DATA LINKED		
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH		
844-001	2 INCH ELECTRIC FUEL GAUGE		
148-070	ENGINE REMOTE INTERFACE WITH PRESET FAST IDLE		



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Data Code	Description	Weight Front	Weight Rear
163-013	ENGINE REMOTE INTERFACE CONNECTOR IN CAB BETWEEN DRIVER AND PASSENGER SEATS		
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE		
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE		
746-114	AM/FM/WB WORLD TUNER RADIO WITH AUXILIARY INPUT, J1939	10	
747-002	ROOF/OVERHEAD CONSOLE MOUNTED RADIO		
750-004	(4) RADIO SPEAKERS IN CAB		
753-021	AM/FM ANTENNA MOUNTED ON LH FRONT A-PILLAR	2	
748-026	POWER AND GROUND WIRING FOR CB RADIO IN OVERHEAD CONSOLE		
752-024	MULTI-BAND AM/FM/WB/CB RH MIRROR MOUNTED ANTENNA SYSTEM		
75A-002	UHF/VHF RADIO POWER/GROUND HARNESS TO OVERHEAD INSTRUMENT PANEL		
810-042	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITH ODOMETER		
817-001	STANDARD VEHICLE SPEED SENSOR		
812-001	ELECTRONIC 3000 RPM TACHOMETER		
813-998	NO VEHICLE PERFORMANCE MONITOR		
8D1-998	NO DIRECT CONNECT		
8Z1-998	NO ZONAR SYSTEMS (SCO)		
162-002	IGNITION SWITCH CONTROLLED ENGINE STOP		
329-076	TEN IGNITION CONTROLLED EXTRA SWITCHES WITH INDICATOR LIGHT, 20 AMPS, WIRED BEHIND PASSENGER SEAT		
482-001	BW TRACTOR PROTECTION VALVE		
883-001	TRAILER HAND CONTROL BRAKE VALVE		
836-001	2 INCH VOLTMETER		
660-008	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY		
304-026	CAB MARKER LIGHT AND HEADLIGHT SWITCH WITH SEPARATE SWITCH AND TERMINALS FOR CUSTOMER FURNISHED SNOW PLOW LIGHTS AND TURN SIGNALS		
882-004	TWO VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR		



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Data Code	Description	Weight Front	Weight Rear
299-037	SELF CANCELING TURN SIGNAL SWITCH WITH INTEGRAL HEADLAMP DIMMER WITH BRAKE OVERRIDE		
298-036	PACIFIC INSIGHT ELECTRONIC FLASHER		
<b>Design</b>			
065-000	PAINT: ONE SOLID COLOR		
<b>Color</b>			
980-5E7	CAB COLOR A: L0789EB OMAHA ORANGE ELITE BC		
96J-001	CAB INTERIOR PAINTED SAME AS CAB COLOR		
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT		
962-972	POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)		
966-972	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)		
964-993	BUMPER PAINTED SAME AS CHASSIS		
<b>Certification / Compliance</b>			

(+) Weights shown are estimates only.  
 If weight is critical, contact Customer Application Engineering.



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## Q U O T A T I O N

### 4700 SET-BACK FRONT AXLE CHASSIS

SET BACK AXLE - TRUCK CUM L9 350 HP @ 2000 RPM, 2200 GOV RPM, 1150 LB/FT @ 1400 RPM ALLISON 4500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION RS-26-185 26,000# T-SERIES SINGLE REAR AXLE 26,000# FLAT LEAF SPRING REAR SUSPENSION WITH RADIUS ROD DETROIT DA-F-18.0-5 18,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE	18,000# FLAT LEAF FRONT SUSPENSION 110 INCH BBC STEEL CONVENTIONAL CAB 5150MM (203 INCH) WHEELBASE 1/2X3.64X11-7/8 INCH STEEL FRAME (12.7MMX301.6MM/0.5X11.88 INCH) 120KSI 1900MM (75 INCH) REAR FRAME OVERHANG PARTIAL INNER FRAME REINFORCEMENT AT FRONT SUSPENSION BODY COMPANY INSTALLED ADDITIONAL FRONT FRAME REINFORCEMENT FOR SNOW PLOW
---	--

			PER UNIT		TOTAL
VEHICLE PRICE	TOTAL # OF UNITS (1)	\$	97,000	\$	97,000
<b>CUSTOMER PRICE BEFORE TAX</b>		<b>\$</b>	<b>97,000</b>	<b>\$</b>	<b>97,000</b>

### TAXES AND FEES

TAXES AND FEES	\$	0	\$	0
OTHER CHARGES	\$	0	\$	0

### TRADE-IN

	\$	(0)	\$	(0)
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<b>BALANCE DUE</b>	<b>(LOCAL CURRENCY)</b>	<b>\$</b>	<b>97,000</b>	<b>\$</b>	<b>97,000</b>
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### COMMENTS:

Projected delivery on \_\_\_ / \_\_\_ / \_\_\_ provided the order is received before \_\_\_ / \_\_\_ / \_\_\_.

### APPROVAL:

Please indicate your acceptance of this quotation by signing below:

Customer: X \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_.



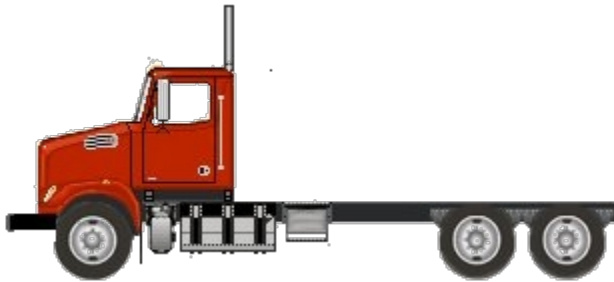
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*A proposal for*  
**State of Michigan- Western Star spec 172D**

*Prepared by*  
**D & K TRUCK COMPANY**  
*Edward Merrill*  
*Mar 22, 2017*

**Western Star 4700SF**



Components shown may not reflect all spec'd options and are not to scale



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## S P E C I F I C A T I O N P R O P O S A L

Data Code	Description	Weight Front	Weight Rear
<b>Price Level</b>			
PRL-15T	WESTERN STAR 4700 PRL-15T (EFF:10/25/16)		
<b>Data Version</b>			
DRL-016	SPECPRO21 DATA RELEASE VER 016		
<b>Vehicle Configuration</b>			
001-450	4700 SET-FORWARD FRONT AXLE CHASSIS	9,100	6,720
004-218	2018 MODEL YEAR SPECIFIED		
002-003	SET FORWARD AXLE - TRUCK		
019-001	TRAILER TOWING PROVISION AT END OF FRAME FOR TRUCK	10	10
003-001	LH PRIMARY STEERING LOCATION		
<b>General Service</b>			
AA1-003	TRUCK/TRAILER CONFIGURATION		
AA6-001	DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
A85-011	CONSTRUCTION SERVICE Government		
A84-1CO	CONSTRUCTION BUSINESS SEGMENT		
AA4-003	DRY BULK COMMODITY		
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS		
AB1-008	MAXIMUM 8% EXPECTED GRADE		
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
995-1A5	WESTERN STAR VOCATIONAL WARRANTY		
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 18000.0 lbs		
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 46000.0 lbs		
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 64000.0 lbs		
A70-99D	EXPECTED GROSS COMBINATION WEIGHT : 80000.0 lbs		



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Data Code	Description	Weight Front	Weight Rear
<b>Truck Service</b>			
AA3-073	BELLY PLOW BODY WITH HIGH GROUND CLEARANCE		
<b>Engine</b>			
101-2X8	DETROIT DD13 12.8L 435 HP @ 1625 RPM, 1900 GOV RPM, 1550 LB/FT @ 975 RPM		
<b>Electronic Parameters</b>			
79A-065	65 MPH ROAD SPEED LIMIT		
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
79G-006	5 MINUTES IDLE SHUTDOWN WITH CLUTCH AND SERVICE BRAKE OVERRIDE		
79M-002	PTO MODE BRAKE OVERRIDE - SERVICE BRAKE APPLIED OR PARK BRAKE NOT APPLIED		
79S-002	PTO MODE CANCEL VEHICLE SPEED - 6 MPH		
79U-001	PTO GOVERNOR RAMP RATE - 25 RPM PER SECOND		
79W-001	ONE REMOTE PTO SPEED		
79X-005	REMOTE PTO SPEED 1 SETTING - 900 RPM		
80D-001	SOFT CRUISE CONTROL ENABLED		
<b>Engine Equipment</b>			
99C-017	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION		
99D-011	2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR)		
13E-001	STANDARD OIL PAN		
105-001	ENGINE MOUNTED OIL CHECK AND FILL		
104-025	OIL SAMPLE TEST FITTING ON OIL FILTER MODULE		
133-004	ONE PIECE VALVE COVER		
014-108	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER WITH SAFETY ELEMENT AND INSIDE/OUTSIDE AIR WITH SNOW DOOR	10	
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE		
292-071	(3) ALLIANCE MODEL 1231, GROUP 31, 12 VOLT MAINTENANCE FREE 3375 CCA THREADED STUD BATTERIES	-10	
290-1CD	BATTERY BOX WITH ALUMINUM COVER MOUNTED SHORT SIDE TO RAIL	45	10



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282-042	LH BATTERY BOX MOUNTED AS FAR AFT AS POSSIBLE, NO GREATER THAN 60 INCHES BACK OF CAB		
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
289-001	NON-POLISHED BATTERY BOX COVER		
293-058	POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	8	
295-029	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2	
107-044	BW MODEL BA-921 19.0 CFM SINGLE CYLINDER AIR COMPRESSOR WITH SAFETY VALVE		
131-013	AIR COMPRESSOR DISCHARGE LINE		
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
128-002	JACOBS COMPRESSION BRAKE		
016-1E2	RAISED RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE	-35	-30
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH		
239-020	10 FOOT 00 INCH (120 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT		
237-1F8	RH CURVED VERTICAL TAILPIPE B-PILLAR RAISED UNDER STEP MOUNTED AFTERTREATMENT SYSTEM		
23U-002	13 GALLON DIESEL EXHAUST FLUID TANK	35	10
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL		
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING		
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
242-001	STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAILOPIPE SHIELD		
273-036	BORG WARNER (KYSOR) REAR AIR ON/OFF ENGINE FAN CLUTCH		
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED		
110-068	DDC SUPPLIED ENGINE MOUNTED FUEL FILTER/FUEL WATER SEPARATOR WITH WATER-IN-FUEL INDICATOR		



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Data Code	Description	Weight Front	Weight Rear
118-001	FULL FLOW OIL FILTER		
266-057	1500 SQUARE INCH ALUMINUM RADIATOR		
267-006	MOUNTING FOR FIREWALL MOUNTED SURGE TANK		
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT		
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		
270-023	HDEP FIXED RATIO COOLANT PUMP AND RADIATOR DRAIN VALVE		
168-002	LOWER RADIATOR GUARD		
360-013	1350 ADAPTER FLANGE FOR FRONT PTO PROVISION	25	
138-005	PHILLIPS-TEMRO 1500 WATT/115 VOLT BLOCK HEATER		
166-005	PHILLIPS-TEMRO 300 WATT/115 VOLT OIL PREHEATER		
140-022	CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		
134-001	ALUMINUM FLYWHEEL HOUSING		
155-074	DELCO 12V MOD 3.175-39MT+ OCP STARTER WITH THERMAL PROTECTION AND INTEGRATED MAGNETIC SWITCH		

### Transmission

342-1M3	ALLISON 4500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	170	50
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### Transmission Equipment

343-339	ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV		
84B-012	ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES		
84C-023	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84D-023	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84E-000	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		



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84F-000	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84G-000	PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84H-000	SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84L-000	LOAD BASED SHIFT SCHEDULE AND VEHICLE ACCELERATION CONTROL RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED VOCATIONAL USAGE		
353-061	BODY LIGHTING INTERFACE BLUNT CUT WIRING WITH FUSE PANEL WIRE MOUNTED BETWEEN DRIVER AND PASSENGER SEATS WITH ADDITIONAL 150 AMP SERVICE		
34C-010	ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR, BLUNT CUT, MOUNTED BETWEEN DRIVER AND PASSENGER SEATS		
362-035	(2) CUSTOMER INSTALLED CHELSEA 277 SERIES PTO		
363-001	PTO MOUNTING, RH & LH SIDE OF MAIN TRANSMISSION		
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN		
345-003	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED		
97G-004	TRANSMISSION PROGNOSTICS - ENABLED 2013		
370-011	WATER TO OIL TRANSMISSION COOLER, FRAME MOUNTED	15	
346-003	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK		
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		

### Front Axle and Equipment

400-1BA	DETROIT DA-F-18.0-5 18,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE		
402-030	MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
403-002	NON-ASBESTOS FRONT BRAKE LINING		
419-023	CONMET CAST IRON FRONT BRAKE DRUMS		
427-001	FRONT BRAKE DUST SHIELDS	5	
409-021	SKF SCOTSEAL PLUS XL FRONT OIL SEALS		



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Data Code	Description	Weight Front	Weight Rear
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL		
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES		
405-003	HALDEX AUTOMATIC FRONT SLACK ADJUSTERS		
406-001	STANDARD KING PIN BUSHINGS		
536-055	TRW THP-60 POWER STEERING WITH RCH45 AUXILIARY GEAR	90	
539-003	POWER STEERING PUMP		
534-003	4 QUART POWER STEERING RESERVOIR		
533-001	OIL/AIR POWER STEERING COOLER		
40T-003	SYNTHETIC 50W FRONT AXLE LUBE		
<b>Front Suspension</b>			
620-005	18,000# FLAT LEAF FRONT SUSPENSION	30	
619-004	GRAPHITE BRONZE BUSHINGS WITH SEALS - FRONT SUSPENSION		
410-001	FRONT SHOCK ABSORBERS		
<b>Rear Axle and Equipment</b>			
420-103	RT-46-160 46,000# R-SERIES TANDEM REAR AXLE		420
421-489	4.89 REAR AXLE RATIO		
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
386-075	MXL 18T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES	40	40
388-073	MXL 17T MERITOR EXTENDED LUBE INTERAXLE DRIVELINE WITH HALF ROUND YOKES		
452-006	DRIVER CONTROLLED TRACTION DIFFERENTIAL - BOTH TANDEM REAR AXLES		30
878-023	(1) INTERAXLE LOCK VALVE, (1) DRIVER CONTROLLED DIFFERENTIAL LOCK FORWARD-REAR AND REAR-REAR AXLE VALVE		
87A-005	INDICATOR LIGHT FOR EACH INTERAXLE LOCKOUT SWITCH		
87B-008	INDICATOR LIGHT FOR EACH DRIVER CONTROLLED TRACTION DEVICE SWITCH		
423-020	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
433-002	NON-ASBESTOS REAR BRAKE LINING		
434-019	ASPHALT SPREADER CLEARANCE REAR BRAKE GEOMETRY		
451-023	CONMET CAST IRON REAR BRAKE DRUMS		



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Data Code	Description	Weight Front	Weight Rear
425-002	REAR BRAKE DUST SHIELDS		10
440-021	SKF SCOTSEAL PLUS XL REAR OIL SEALS		
426-075	HALDEX GOLDSEAL LONGSTROKE 2-DRIVE AXLES SPRING PARKING CHAMBERS		
428-003	HALDEX AUTOMATIC REAR SLACK ADJUSTERS		
41T-002	SYNTHETIC 75W-90 REAR AXLE LUBE		

### Rear Suspension

622-1CJ	HENDRICKSON RT463 @46,000# REAR SUSPENSION		730
621-016	HENDRICKSON RT/RTE - 7.19" SADDLE		
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP		
624-011	52 INCH AXLE SPACING		-20
628-005	STEEL BEAMS AND BRONZE CENTER BUSHINGS WITH BAR PIN ADJUSTABLE END CONNECTIONS		
623-005	FORE/AFT CONTROL RODS		

### Brake System

490-100	WABCO 4S/4M ABS WITHOUT TRACTION CONTROL		
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES		
904-001	FIBER BRAID PARKING BRAKE HOSE		
412-001	STANDARD BRAKE SYSTEM VALVES		
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE		
480-083	WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER		
483-998	NO AIR SYSTEM OIL FILTER		
479-006	AIR DRYER MOUNTED OUTBOARD ON RH RAIL		
460-1AE	STEEL AIR TANKS MOUNTED FOR MAX GROUND CLEARANCE, (BELLY PLOW - AA3-073)		
477-001	PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS		

### Trailer Connections

914-001	AIR CONNECTIONS TO END OF FRAME WITH GLAD HANDS FOR TRUCK AND NO DUST COVERS		
296-010	PRIMARY CONNECTOR/RECEPTACLE WIRED FOR SEPARATE STOP/TURN, ABS CENTER PIN POWERED THROUGH IGNITION		



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Data Code	Description	Weight Front	Weight Rear
297-001	SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME		
<b>Wheelbase &amp; Frame</b>			
545-555	5550MM (219 INCH) WHEELBASE		
546-1B2	1/2X3.64X11-7/8 INCH STEEL FRAME (12.7MMX301.6MM/0.5X11.88 INCH) 120KSI	460	200
547-034	PARTIAL INNER FRAME REINFORCEMENT AT FRONT SUSPENSION	195	-5
548-803	BODY COMPANY INSTALLED ADDITIONAL FRONT FRAME REINFORCEMENT FOR SNOW PLOW		
552-041	1925MM (76 INCH) REAR FRAME OVERHANG		
55W-007	FRAME OVERHANG RANGE: 71 INCH TO 80 INCH	-20	110
549-002	24 INCH INTEGRAL FRONT FRAME EXTENSION	110	-10
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 137.78 in		
553-001	SQUARE END OF FRAME		
559-001	STANDARD WEIGHT ENGINE CROSSMEMBER		
561-001	STANDARD CROSSMEMBER BACK OF TRANSMISSION		
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)		
572-001	STANDARD REARMOST CROSSMEMBER		
565-002	HEAVY DUTY SUSPENSION CROSSMEMBER		
568-001	STANDARD WEIGHT REAR SUSPENSION CROSSMEMBER		
<b>Chassis Equipment</b>			
556-1E5	14 INCH PAINTED STEEL BUMPER		
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE		
586-015	FRONT ANTI-SPRAY CAB MOUNTED MUDFLAPS		
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS		
44Z-998	NO SPECIFIED HARNESS COVERING		
* 605-989	NEED 24" GROUND CLEARANCE FOR BELLY SCRAPER AT FRONT EDGE OF FENDER AND 40" REAR OF CAB, INCLUDES AIR TANKS BATT BOX AND EXHAUST.		
<b>Fuel Tanks</b>			
204-195	60 GALLON/227 LITER RECTANGULAR ALUMINUM FUEL TANK - LH	5	
218-005	RECTANGULAR FUEL TANK(S)		





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Data Code	Description	Weight Front	Weight Rear
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
212-011	FUEL TANK(S) FORWARD - RAISED MOUNTING		
664-001	PLAIN STEP FINISH		
205-001	FUEL TANK CAP(S)		
122-1K4	DAVCO 487 FUEL/WATER SEPARATOR WITH ESOC AND 12 VOLT PREHEATER	10	
216-020	EQUIFLO INBOARD FUEL SYSTEM		
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
221-998	NO FUEL COOLER	-10	
<b>Tires</b>			
093-0TA	MICHELIN XZY-3 385/65R22.5 18 PLY RADIAL FRONT TIRES	130	
094-0DJ	MICHELIN XDE M/S 11R22.5 16 PLY RADIAL REAR TIRES		88
<b>Hubs</b>			
418-056	CONMET PRESET PLUS IRON FRONT HUBS		
450-056	CONMET PRESET PLUS IRON REAR HUBS		
<b>Wheels</b>			
502-574	ACCURIDE 29807 22.5X12.25 10-HUB PILOT 4.75 INSET 5-HAND STEEL DISC FRONT WHEELS	98	
505-428	ACCURIDE 28828 22.5X8.25 10-HUB PILOT 2-HAND HD STEEL DISC REAR WHEELS		104
496-011	FRONT WHEEL MOUNTING NUTS		
497-011	REAR WHEEL MOUNTING NUTS		
<b>Cab Exterior</b>			
829-1A8	110 INCH BBC STEEL CONVENTIONAL CAB		
82A-023	WESTERN STAR PAINTED ALUMINUM CAB SKIRT		
650-044	AIR CAB MOUNTS WITH CHECK VALVE		
648-002	NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE		
667-001	FRONT FENDERS		
754-001	2 INCH FENDER EXTENSIONS	5	
678-034	LH AND RH EXTERIOR GRAB HANDLES WITH RUBBER INSERTS AND RH INTERIOR GRAB HANDLE MOUNTED TO A POST		
646-008	STATIONARY BRIGHT FINISH GRILLE		
65X-003	CHROME HOOD MOUNTED AIR INTAKE GRILLE		



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640-008	GALVANEAELED STEEL SEVERE SERVICE CAB		
644-006	FIBERGLASS HOOD WITH ACCESS HATCHES	10	
690-002	TUNNEL/FIREWALL LINER		
727-012	DUAL HADLEY SD-978 26 INCH RECTANGULAR AIR HORNS		
726-001	SINGLE ELECTRIC HORN		
728-002	DUAL HORN SHIELDS		
657-1CT	ALL UNITS KEYED THE SAME WITH (3) KEYS, KEY CODE TO BE D411		
575-001	REAR LICENSE PLATE MOUNT END OF FRAME		
327-012	SWITCH, INDICATOR LIGHT AND WIRING FOR (2) CUSTOMER FURNISHED BEACONS		
312-072	SINGLE RECTANGULAR SEALED BEAM HEADLIGHTS WITH BRIGHT BEZELS		
302-022	LED MARKER LAMPS		
314-824	WIRING AND SWITCH FOR CUSTOMER FURNISHED SNOW PLOW LAMPS WITH DUAL CONNECTIONS AT BUMPER		
311-001	DAYTIME RUNNING LIGHTS		
294-001	INTEGRAL STOP/TAIL/BACKUP LIGHTS		
300-015	STANDARD FRONT TURN SIGNAL LAMPS		
744-1E0	DUAL WEST COAST STAINLESS STEEL HEATED MIRRORS WITH LH AND RH REMOTE		
797-001	DOOR MOUNTED MIRRORS		
796-001	102 INCH EQUIPMENT WIDTH		
743-1AA	LH AND RH SUREPLUS 574 8 INCH BRIGHT FINISH HEATED CONVEX MIRRORS WITH SEPARATE ADJUSTMENT, MOUNTED BELOW MIRROR		
74A-001	RH DOWN VIEW MIRROR		
729-001	STANDARD SIDE/REAR REFLECTORS		
787-004	REMOTE KEYLESS ENTRY AND 2 TRANSMITTERS	2	
677-062	FIXED CAB MOUNTED STEPS LH AND RH FOR CAB ENTRY, BELLY PLOW BODY WITH HIGH GROUND CLEARANCE DOES NOT COMPLY FMCSR 399		
768-046	17.5X35 INCH TINTED REAR WINDOW		
661-006	TINTED DOOR GLASS		
654-011	RH AND LH ELECTRIC POWERED WINDOWS	4	
663-002	2-PIECE TINTED CURVED GASKET MOUNTED WINDSHIELD		



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Data Code	Description	Weight Front	Weight Rear
659-025	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, MOUNTED UNDER CAB, WITH REMOTE FILL		
<b>Cab Interior</b>			
707-1D0	GRAY VINYL BASE INTERIOR		
70K-005	BLACK HARD TRIM		
706-049	BASE LEFT HAND DOOR TRIM		
708-049	BASE RIGHT HAND DOOR TRIM		
772-006	BLACK MATS WITH SINGLE INSULATION		
785-007	DASH MOUNTED ASH TRAY AND LIGHTER, DRIVER SIDE		
691-001	FORWARD ROOF MOUNTED CONSOLE		
694-009	PASSENGER SIDE WING DASH MOUNTED GLOVE BOX WITH LOCKING DOOR		
693-025	LH AND RH DOOR MAP POCKETS		
741-029	COAT HOOK ON RH BACKWALL OF CAB		
742-032	(1) DOUBLE CUP HOLDER WITH CELL PHONE HOLDER LH OR RH DASH		
680-034	TWO-TONE CHARCOAL UPPER/COOL GRAY LOWER SOFT TOUCH WING DASH WITH BLACK DRIVER SIDE COSMETIC UNDER DASH COVER		
320-004	STANDARD WIRING		
700-023	HEATER, DEFROSTER AND AIR CONDITIONER WITH CONSTANT TEMPERATURE CONTROL AND COSMETIC COVER		
701-010	HVAC DUCTING WITH FOAM MAIN FRESH AIR FILTER AND OUTSIDE PRE-FILTER		
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
170-015	STANDARD HEATER PLUMBING		
130-033	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR		
698-001	RADIATOR MOUNTED AIR CONDITIONER CONDENSER		
702-002	BINARY CONTROL, R-134A		
739-002	ADDITIONAL CAB SIDEWALL INSULATION	60	10
285-019	AUTOMATIC SELF-RESET CIRCUIT BREAKER IN MAIN DASH POWER DISTRIBUTION BOX AND CIRCUIT BREAKER/FUSE IN AUXILIARY POWER DISTRIBUTION BOXES		
324-076	DOOR ACTIVATED DOME LIGHT, UNDER DASH LIGHT WITH LH AND RH DOOR MOUNTED COURTESY LIGHTS AND LH AND RH READING LIGHTS		



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655-005	LH AND RH ELECTRIC DOOR LOCKS		
284-023	(1) 12 VOLT POWER SUPPLY IN DASH		
756-1DD	BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH 1 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION AND REAR CUSHION TILT		
760-1DD	BASIC HIGH BACK AIR SUSPENSION PASSENGER SEAT WITH 1 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION AND REAR CUSHION TILT	25	10
759-005	DUAL DRIVER AND PASSENGER SEAT ARMRESTS	8	
758-022	BLACK MORDURA CLOTH DRIVER SEAT COVER		
761-023	BLACK MORDURA CLOTH PASSENGER SEAT COVER		
763-003	3 POINT DRIVER AND PASSENGER SEAT BELT RETRACTORS		
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN		
540-020	2-SPOKE 18 INCH (450MM) BLACK STEERING WHEEL(S)		
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS		

**Instruments & Controls**

185-002	Non-adjustable suspended pedals		
870-004	STAR GAUGES WITH BLACK BEZELS		
732-001	BLACK DRIVER INSTRUMENT PANEL		
734-001	BLACK CENTER INSTRUMENT PANEL		
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM		
838-001	(1) SINGLE BRAKE APPLICATION AIR GAUGE		
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES		
198-024	FILTERMINDER DASH MOUNTED AIR RESTRICTION GAUGE	2	
149-012	CRUISE CONTROL SWITCHES IN THE CENTER PANEL		
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY		
811-001	WARNING LAMP/LIGHT BAR DISPLAY, NON-DATA LINKED		
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH		



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<b>Data Code</b>	<b>Description</b>	<b>Weight Front</b>	<b>Weight Rear</b>
844-001	2 INCH ELECTRIC FUEL GAUGE		
845-011	FUEL FILTER RESTRICTION INDICATOR		
148-085	EMISSIONS LIMITED IDLE ADJUST		
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
854-001	ENGINE OIL TEMPERATURE GAUGE		
864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE		
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE		
746-114	AM/FM/WB WORLD TUNER RADIO WITH AUXILIARY INPUT, J1939	10	
747-002	ROOF/OVERHEAD CONSOLE MOUNTED RADIO		
750-004	(4) RADIO SPEAKERS IN CAB		
753-019	AM/FM ANTENNA MOUNTED ON RH FRONT A-PILLAR	2	
748-002	POWER AND GROUND STUDS ON TOP OF DASH		
749-006	TOP OF DASH MOUNT CB RADIO PROVISION WITH PLATE AND STRAPS	2	
752-017	MULTI-BAND AM/FM/WB/CB LH MIRROR MOUNTED ANTENNA SYSTEM		
810-042	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITH ODOMETER		
817-001	STANDARD VEHICLE SPEED SENSOR		
812-001	ELECTRONIC 3000 RPM TACHOMETER		
813-1B4	VT-HU CONNECTIVITY PLATFORM HARDWARE		
8D1-002	2 YEARS DETROIT CONNECT BASE PACKAGE (VIRTUAL TECHNICIAN, DETROIT CONNECT PORTAL ACCESS) FOR VT-HU CONNECTIVITY PLATFORM		
8Z1-998	NO ZONAR SYSTEMS (SCO)		
162-002	IGNITION SWITCH CONTROLLED ENGINE STOP		
329-076	TEN IGNITION CONTROLLED EXTRA SWITCHES WITH INDICATOR LIGHT, 20 AMPS, WIRED BEHIND PASSENGER SEAT		
482-001	BW TRACTOR PROTECTION VALVE		
883-001	TRAILER HAND CONTROL BRAKE VALVE		
836-001	2 INCH VOLTMETER		
660-001	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY AND ARCTIC TYPE BLADES		
304-026	CAB MARKER LIGHT AND HEADLIGHT SWITCH WITH SEPARATE SWITCH AND TERMINALS FOR CUSTOMER FURNISHED SNOW PLOW LIGHTS AND TURN SIGNALS		



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Data Code	Description	Weight Front	Weight Rear
882-021	TWO VALVE PARKING BRAKE SYSTEM WITH DASH VALVE CONTROL AUTONEUTRAL AND WARNING INDICATOR		
299-032	VSM NON CANCELING TURN SIGNAL SWITCH WITH INTEGRAL HEADLAMP DIMMER WITHOUT BRAKE OVERRIDE		
298-036	PACIFIC INSIGHT ELECTRONIC FLASHER		
<b>Design</b>			
* 065-000	PAINT: ONE SOLID COLOR		
<b>Color</b>			
980-5E7	CAB COLOR A: L0789EB OMAHA ORANGE ELITE BC		
96J-001	CAB INTERIOR PAINTED SAME AS CAB COLOR		
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT		
962-972	POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)		
966-972	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)		
964-993	BUMPER PAINTED SAME AS CHASSIS		
<b>Certification / Compliance</b>			
996-001	U.S. FMVSS CERTIFICATION		



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## Q U O T A T I O N

### 4700 SET-FORWARD FRONT AXLE CHASSIS

SET FORWARD AXLE - TRUCK DETROIT DD13 12.8L 435 HP @ 1625 RPM, 1900 GOV RPM, 1550 LB/FT @ 975 RPM ALLISON 4500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION RT-46-160 46,000# R-SERIES TANDEM REAR AXLE HENDRICKSON RT463 @46,000# REAR SUSPENSION DETROIT DA-F-18.0-5 18,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE 18,000# FLAT LEAF FRONT SUSPENSION	110 INCH BBC STEEL CONVENTIONAL CAB 5550MM (219 INCH) WHEELBASE 1/2X3.64X11-7/8 INCH STEEL FRAME (12.7MMX301.6MM/0.5X11.88 INCH) 120KSI 1925MM (76 INCH) REAR FRAME OVERHANG PARTIAL INNER FRAME REINFORCEMENT AT FRONT SUSPENSION BODY COMPANY INSTALLED ADDITIONAL FRONT FRAME REINFORCEMENT FOR SNOW PLOW
--	--

			PER UNIT		TOTAL
VEHICLE PRICE	TOTAL # OF UNITS (1)	\$	113,510	\$	113,510
<b>CUSTOMER PRICE BEFORE TAX</b>		<b>\$</b>	<b>113,510</b>	<b>\$</b>	<b>113,510</b>

### TAXES AND FEES

TAXES AND FEES	\$	0	\$	0
OTHER CHARGES	\$	0	\$	0

### TRADE-IN

BALANCE DUE		(LOCAL CURRENCY) \$	113,510	\$	113,510
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COMMENTS:

Projected delivery on \_\_\_ / \_\_\_ / \_\_\_ provided the order is received before \_\_\_ / \_\_\_ / \_\_\_.

APPROVAL:

Please indicate your acceptance of this quotation by signing below:

Customer: X \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_.



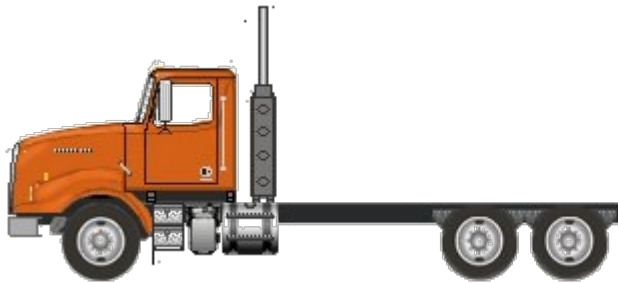
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*A proposal for*  
**State of Michigan- Premium 172D Western Star 4900 Model**

*Prepared by*  
**D & K TRUCK COMPANY**  
*Edward Merrill*  
*Apr 04, 2017*

**2018 Western Star 4900SB**



Components shown may not reflect all spec'd options and are not to scale



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## S P E C I F I C A T I O N P R O P O S A L

Data Code	Description	Weight Front	Weight Rear
<b>Price Level</b>			
PRL-15W	WESTERN STAR PRL-15W (EFF:10/25/16)		
<b>Data Version</b>			
DRL-018	SPECPRO21 DATA RELEASE VER 018		
<b>Vehicle Configuration</b>			
001-424	WESTERN STAR 4900SA CHASSIS	9,674	6,846
004-218	2018 MODEL YEAR SPECIFIED		
002-004	SET BACK AXLE - TRUCK	-10	
019-001	TRAILER TOWING PROVISION AT END OF FRAME FOR TRUCK	10	10
003-001	LH PRIMARY STEERING LOCATION		
<b>General Service</b>			
AA1-003	TRUCK/TRAILER CONFIGURATION		
AA6-001	DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
A85-011	CONSTRUCTION SERVICE		
A84-1GM	GOVERNMENT BUSINESS SEGMENT		
AA4-010	DIRT/SAND/ROCK COMMODITY		
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS		
AB1-008	MAXIMUM 8% EXPECTED GRADE		
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
995-1A5	WESTERN STAR VOCATIONAL WARRANTY		
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 18000.0 lbs		
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 46000.0 lbs		
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 64000.0 lbs		
<b>Truck Service</b>			
AA3-018	FRONT PLOW/END DUMP BODY		



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Data Code	Description	Weight Front	Weight Rear
AF4-99D	EXPECTED EMPTY BODY WEIGHT : 4300.0 lbs		
A88-99D	EXPECTED TRUCK BODY LENGTH : 14.0 ft		
AE2-99D	EXPECTED TRUCK BODY WIDTH : 96.0 in		
AF6-99D	EXP EMPTY BODY CG LOC FROM BODY FRT(A89) : 5.9 ft		
A89-99D	BRAKING-EXPECTED CAB TO BODY CLEARANCE : 3.0 in		
AF7-99D	EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in		
<b>Tractor Service</b>			
AA2-005	FLATBED TRAILER		
AH6-001	SINGLE (1) TRAILER		
<b>Engine</b>			
101-2X9	DETROIT DD13 12.8L 450 HP @ 1625 RPM, 1900 GOV RPM, 1550 LB/FT @ 975 RPM	-280	-10
<b>Electronic Parameters</b>			
79A-065	65 MPH ROAD SPEED LIMIT		
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
79G-006	5 MINUTES IDLE SHUTDOWN WITH CLUTCH AND SERVICE BRAKE OVERRIDE		
79M-002	PTO MODE BRAKE OVERRIDE - SERVICE BRAKE APPLIED OR PARK BRAKE NOT APPLIED		
79W-001	ONE REMOTE PTO SPEED		
79X-005	REMOTE PTO SPEED 1 SETTING - 900 RPM		
80D-001	SOFT CRUISE CONTROL ENABLED		
<b>Engine Equipment</b>			
99C-017	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION		
99D-011	2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR)		
13E-001	STANDARD OIL PAN		
105-001	ENGINE MOUNTED OIL CHECK AND FILL		
133-004	ONE PIECE VALVE COVER		
014-1A3	CENTER TOP OF COWL INLET WITH INSIDE/OUTSIDE AIR INTAKE	-15	
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE		



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Data Code	Description	Weight Front	Weight Rear
292-071	(3) ALLIANCE MODEL 1231, GROUP 31, 12 VOLT MAINTENANCE FREE 3375 CCA THREADED STUD BATTERIES		
290-1D2	STACK BATTERY BOX		
282-001	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB		
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
289-001	NON-POLISHED BATTERY BOX COVER		
293-058	POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	8	
295-026	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART MOUNTED NEAR/ON BATTERY TRAY/BOX	2	
107-044	BW MODEL BA-921 19.0 CFM SINGLE CYLINDER AIR COMPRESSOR WITH SAFETY VALVE		
131-013	AIR COMPRESSOR DISCHARGE LINE		
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
128-002	JACOBS COMPRESSION BRAKE		
016-1C0	RH OUTBOARD FRAME MOUNTED VERTICAL AFTERTREATMENT SYSTEM ASSEMBLY WITH TOPSTACK	40	25
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH		
239-038	11 FOOT 06 INCH (138 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT		
237-1CU	RH CURVED TOPSTACK		
23U-003	23 GALLON DIESEL EXHAUST FLUID TANK		
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL		
23Z-002	NON-POLISHED ALUMINUM DIESEL EXHAUST FLUID TANK COVER		
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP		
242-001	STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAILPIPE SHIELD		
273-036	BORG WARNER (KYSOR) REAR AIR ON/OFF ENGINE FAN CLUTCH		
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED		
110-068	DDC SUPPLIED ENGINE MOUNTED FUEL FILTER/FUEL WATER SEPARATOR WITH WATER-IN-FUEL INDICATOR		



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Data Code	Description	Weight Front	Weight Rear
118-001	FULL FLOW OIL FILTER		
266-098	1375 SQUARE INCH ALUMINUM RADIATOR		
267-006	MOUNTING FOR FIREWALL MOUNTED SURGE TANK		
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT		
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		
270-023	HDEP FIXED RATIO COOLANT PUMP AND RADIATOR DRAIN VALVE		
360-013	1350 ADAPTER FLANGE FOR FRONT PTO PROVISION	25	
138-005	PHILLIPS-TEMRO 1500 WATT/115 VOLT BLOCK HEATER	4	
140-022	CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		
155-074	DELCO 12V MOD 3.175-39MT+ OCP STARTER WITH THERMAL PROTECTION AND INTEGRATED MAGNETIC SWITCH		
109-007	CAST IRON FRONT AND REAR ENGINE SUPPORTS		

### Transmission

342-1M3	ALLISON 4500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	170	50
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### Transmission Equipment

343-339	ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV		
84B-012	ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES		
84C-023	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84D-023	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84E-000	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84F-000	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		



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84G-000	PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84H-000	SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84L-000	LOAD BASED SHIFT SCHEDULE AND VEHICLE ACCELERATION CONTROL RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED VOCATIONAL USAGE		
353-054	VEHICLE INTERFACE WIRING WITH BODY BUILDER BLUNT CUT WIRE INTERFACE AT BACK OF CAB		
34C-001	ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR FIREWALL MOUNTED		
362-035	CUSTOMER INSTALLED CHELSEA 277 SERIES PTO		
363-001	PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION		
345-003	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED		
97G-004	TRANSMISSION PROGNOSTICS - ENABLED 2013		
370-006	WATER TO OIL TRANSMISSION COOLER	10	
346-003	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK		
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		

### Front Axle and Equipment

400-1BA	DETROIT DA-F-18.0-5 18,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE	90	
402-030	MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES	20	
403-002	NON-ASBESTOS FRONT BRAKE LINING		
419-023	CONMET CAST IRON FRONT BRAKE DRUMS		
427-001	FRONT BRAKE DUST SHIELDS	5	
409-021	SKF SCOTSEAL PLUS XL FRONT OIL SEALS		
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL		
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES		
405-002	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS		
536-055	TRW THP-60 POWER STEERING WITH RCH45 AUXILIARY GEAR	130	
539-003	POWER STEERING PUMP		



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534-003	4 QUART POWER STEERING RESERVOIR		
533-001	OIL/AIR POWER STEERING COOLER		
40T-002	SYNTHETIC 75W-90 FRONT AXLE LUBE		
<b>Front Suspension</b>			
620-005	18,000# FLAT LEAF FRONT SUSPENSION	260	
619-002	THREADED SPRING PINS AND BUSHINGS - FRONT SUSPENSION		
62G-001	ALUMINUM SPACER BLOCKS FOR FRONT SUSPENSIONS		
410-001	FRONT SHOCK ABSORBERS		
<b>Rear Axle and Equipment</b>			
420-103	RT-46-160 46,000# R-SERIES TANDEM REAR AXLE		420
421-489	4.89 REAR AXLE RATIO		
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
386-075	MXL 18T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES	40	40
388-076	MXL 17N MERITOR EXTENDED LUBE INTERAXLE DRIVELINE WITH FULL ROUND YOKES		
452-006	DRIVER CONTROLLED TRACTION DIFFERENTIAL - BOTH TANDEM REAR AXLES		40
878-023	(1) INTERAXLE LOCK VALVE, (1) DRIVER CONTROLLED DIFFERENTIAL LOCK FORWARD-REAR AND REAR-REAR AXLE VALVE		
87A-005	INDICATOR LIGHT FOR EACH INTERAXLE LOCKOUT SWITCH		
87B-008	INDICATOR LIGHT FOR EACH DRIVER CONTROLLED TRACTION DEVICE SWITCH		
423-019	MERITOR 16.5X8.62 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
433-002	NON-ASBESTOS REAR BRAKE LINING		
434-019	ASPHALT SPREADER CLEARANCE REAR BRAKE GEOMETRY		
451-023	CONMET CAST IRON REAR BRAKE DRUMS		
425-002	REAR BRAKE DUST SHIELDS		10
440-021	SKF SCOTSEAL PLUS XL REAR OIL SEALS		
426-075	HALDEX GOLDSEAL LONGSTROKE 2-DRIVE AXLES SPRING PARKING CHAMBERS		
428-003	HALDEX AUTOMATIC REAR SLACK ADJUSTERS		
41T-002	SYNTHETIC 75W-90 REAR AXLE LUBE		



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Data Code	Description	Weight Front	Weight Rear
42T-001	STANDARD REAR AXLE BREATHER(S)		
<b>Rear Suspension</b>			
622-1CJ	HENDRICKSON RT463 @46,000# REAR SUSPENSION		780
621-015	HENDRICKSON RT/RTE - 6.00" SADDLE		
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP		
624-011	52 INCH AXLE SPACING		
628-005	STEEL BEAMS AND BRONZE CENTER BUSHINGS WITH BAR PIN ADJUSTABLE END CONNECTIONS		
623-005	FORE/AFT CONTROL RODS		
<b>Brake System</b>			
490-100	WABCO 4S/4M ABS WITHOUT TRACTION CONTROL		
871-023	REINFORCED NYLON AIR LINES		
904-001	FIBER BRAID PARKING BRAKE HOSE		
412-001	STANDARD BRAKE SYSTEM VALVES		
432-013	COMBO-ABS/SERVICE BRAKE VALVE WITH 5.5 PSI CRACK PRESSURE		
480-083	WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER		
483-004	WABCO OIL COALESCING FILTER FOR AIR DRYER		
479-006	AIR DRYER MOUNTED OUTBOARD ON RH RAIL		
460-001	STEEL AIR BRAKE RESERVOIRS		
477-004	PULL CABLES ON ALL AIR RESERVOIR(S)		
<b>Trailer Connections</b>			
481-998	NO TRAILER AIR HOSE	-10	
914-001	AIR CONNECTIONS TO END OF FRAME WITH GLAD HANDS FOR TRUCK AND NO DUST COVERS	5	5
296-010	PRIMARY CONNECTOR/RECEPTACLE WIRED FOR SEPARATE STOP/TURN, ABS CENTER PIN POWERED THROUGH IGNITION		
297-001	SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME		
310-998	NO TRAILER ELECTRICAL CABLE	-10	
<b>Wheelbase &amp; Frame</b>			
545-555	5550MM (219 INCH) WHEELBASE		



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Data Code	Description	Weight Front	Weight Rear
546-502	3/8X3-1/2X10-3/4 INCH DOUBLE CHANNEL 120KSI STEEL FRAME (3/8 INCH OUTER AND 1/4 INCH INNER)	690	480
552-040	1875MM (74 INCH) REAR FRAME OVERHANG		
55W-007	FRAME OVERHANG RANGE: 71 INCH TO 80 INCH	-30	180
549-044	20 INCH INTEGRAL FRONT FRAME EXTENSION	130	-10
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 146.0 in		
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 128.13 in		
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 363		
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 146.0 in		
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 61.6 in		
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 134.94 in		
560-001	UNDERSLUNG CROSSMEMBER	40	
553-001	SQUARE END OF FRAME		
550-002	HEAVY DUTY FRONT CLOSING CROSSMEMBER	120	
561-009	EXTRA HEAVY DUTY STEEL C-CHANNEL BOLTED CONSTRUCTION BACK OF TRANSMISSION CROSSMEMBER		
562-022	EXTRA HEAVY DUTY STEEL C-CHANNEL BOLTED CONSTRUCTION MIDSHIP #1 CROSSMEMBER	5	5
572-043	1/4 INCH STEEL C-CHANNEL CROSSMEMBER WITHOUT A-FRAME, NON-TOWING		50
56C-007	EXTRA HEAVY DUTY STEEL C-CHANNEL BOLTED CONSTRUCTION REAR SUSPENSION FORWARD CROSSMEMBER		10
565-001	STANDARD SUSPENSION CROSSMEMBER		
568-006	EXTRA HEAVY DUTY STEEL C-CHANNEL BOLTED CONSTRUCTION REAR MOUNTED SUSPENSION CROSSMEMBER		

### Chassis Equipment

674-998	NO LH OR RH BACK OF CAB ACCESS	-5	-5
592-998	NO DECK PLATE	-5	-5
556-1EF	14 INCH TAPERED SWEPTBACK PAINTED STEEL BUMPER		
558-026	NON REMOVABLE CENTERED FRONT TOW PIN FOR HIGHWAY OR CONSTRUCTION BUMPER		
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE		





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Data Code	Description	Weight Front	Weight Rear
585-998	NO MUDFLAP BRACKETS		-25
590-998	NO REAR MUDFLAPS		-15
586-002	FENDER MOUNTED FRONT MUDFLAPS		
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS		
602-052	12.19X27.25X16.75 INCH ALUMINUM TOOL BOX WITH REMOVABLE COVER	35	35
61B-002	SINGLE TOOL/STORAGE BOX #1 FRAME MOUNTED RH SIDE UNDER CAB		
605-043	1/2 INCH T1 STEEL OUTER FULL FRONT FRAME EXTENSION REINFORCEMENT	220	-20
<b>Fifth Wheel</b>			
578-998	NO FIFTH WHEEL	-30	-480
<b>Fuel Tanks</b>			
204-151	60 GALLON/227 LITER ALUMINUM FUEL TANK - LH	-10	-5
218-006	25 INCH DIAMETER FUEL TANK(S)		
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
212-008	FUEL TANK(S) AFT		
67J-998	NO OPTIONAL FUEL TANK STEPS		
664-001	PLAIN STEP FINISH		
205-001	FUEL TANK CAP(S)		
122-1K3	DAVCO 487 FUEL/WATER SEPARATOR WITH ESOC	10	
216-020	EQUIFLO INBOARD FUEL SYSTEM		
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
221-001	FUEL COOLER		
847-002	IN TANK FUEL LEVEL SENDER(S)		
<b>Tires</b>			
093-0TA	MICHELIN XZY-3 385/65R22.5 18 PLY RADIAL FRONT TIRES	130	
094-0DJ	MICHELIN XDE M/S 11R22.5 16 PLY RADIAL REAR TIRES		88
<b>Hubs</b>			
418-056	CONMET PRESET PLUS IRON FRONT HUBS	60	
450-054	CONMET PRESET PLUS ALUMINUM REAR HUBS		
<b>Wheels</b>			



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Data Code	Description	Weight Front	Weight Rear
502-574	ACCURIDE 29807 22.5X12.25 10-HUB PILOT 4.75 INSET 5-HAND STEEL DISC FRONT WHEELS	98	
505-428	ACCURIDE 28828 22.5X8.25 10-HUB PILOT 2-HAND HD STEEL DISC REAR WHEELS		104
496-011	FRONT WHEEL MOUNTING NUTS		
497-011	REAR WHEEL MOUNTING NUTS		
<b>Cab Exterior</b>			
829-1AB	123 INCH BBC STEEL CONVENTIONAL CAB		
82A-023	WESTERN STAR PAINTED ALUMINUM CAB SKIRT		
650-045	RAISED AIR CAB MOUNTS WITH CHECK VALVE	30	
648-002	NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE		
667-022	LARGE PROFILE FRONT FENDER		
754-007	2-3/4 INCH FENDER EXTENSIONS	10	
678-061	LH AND RH EXTENDED EXTERIOR GRAB HANDLES WITH RUBBER INSERTS AND LH AND RH INTERIOR GRAB HANDLES MOUNTED TO A POST		
645-004	STAINLESS STEEL RADIATOR SHELL/HOOD BEZEL WITH STYLIZED TILT HOOD HANDLE		
646-002	RADIATOR MOUNTED GRILLE		
640-008	GALVANEALD STEEL SEVERE SERVICE CAB	50	
644-045	SUPER VISIBILITY HOOD WITH CAB MOUNTED QUARTER FENDERS		
643-002	HEAVY DUTY HOOD MOUNTING		
727-012	DUAL HADLEY SD-978 26 INCH RECTANGULAR AIR HORNS	4	
726-001	SINGLE ELECTRIC HORN		
728-002	DUAL HORN SHIELDS		
657-1AF	DOORS AND IGNITION KEYED THE SAME (3 KEYS)		
327-012	SWITCH, INDICATOR LIGHT AND WIRING FOR (2) CUSTOMER FURNISHED BEACONS		
312-003	DUAL RECTANGULAR HALOGEN HEADLIGHTS		
302-022	LED MARKER LAMPS		
314-808	WIRING AND SWITCH ONLY FOR CUSTOMER FURNISHED DRIVING/ROAD LIGHTS	6	
311-001	DAYTIME RUNNING LIGHTS		
294-032	FLUSH MOUNTED STOP/TAIL/BACKUP LIGHTS MOUNTED BELOW REAR MOST CROSSMEMBER		
300-015	STANDARD FRONT TURN SIGNAL LAMPS		



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Data Code	Description	Weight Front	Weight Rear
744-1E0	DUAL WEST COAST STAINLESS STEEL HEATED MIRRORS WITH LH AND RH REMOTE		
797-001	DOOR MOUNTED MIRRORS		
796-001	102 INCH EQUIPMENT WIDTH		
743-1AA	LH AND RH SUREPLUS 574 8 INCH BRIGHT FINISH HEATED CONVEX MIRRORS WITH SEPARATE ADJUSTMENT, MOUNTED BELOW MIRROR		
74A-001	RH DOWN VIEW MIRROR		
729-001	STANDARD SIDE/REAR REFLECTORS		
677-016	DUAL LEVEL CAB ENTRY STEPS ON BOTH SIDES		
768-046	17.5X35 INCH TINTED REAR WINDOW		
661-006	TINTED DOOR GLASS		
654-011	RH AND LH ELECTRIC POWERED WINDOWS		
663-014	2-PIECE TINTED CURVED BONDED WINDSHIELD		
659-016	1.5 GALLON WINDSHIELD WASHER RESERVOIR MOUNTED UNDER CAB WITH REMOTE FILL		

### Cab Interior

707-1D0	GRAY VINYL BASE INTERIOR		
70K-005	BLACK HARD TRIM		
706-049	BASE LEFT HAND DOOR TRIM		
708-049	BASE RIGHT HAND DOOR TRIM		
772-006	BLACK MATS WITH SINGLE INSULATION		
785-007	DASH MOUNTED ASH TRAY AND LIGHTER, DRIVER SIDE		
691-001	FORWARD ROOF MOUNTED CONSOLE		
694-009	PASSENGER SIDE WING DASH MOUNTED GLOVE BOX WITH LOCKING DOOR		
693-025	LH AND RH DOOR MAP POCKETS		
741-029	COAT HOOK ON RH BACKWALL OF CAB		
742-026	(1) CUP HOLDER MOUNTED IN BOTTOM CENTER OF DASH		
680-033	BLACK SOFT TOUCH WING DASH WITH DRIVER SIDE COSMETIC UNDER DASH COVER		
320-004	STANDARD WIRING		
700-023	HEATER, DEFROSTER AND AIR CONDITIONER WITH CONSTANT TEMPERATURE CONTROL AND COSMETIC COVER		
701-001	STANDARD HVAC DUCTING		
170-015	STANDARD HEATER PLUMBING		



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Data Code	Description	Weight Front	Weight Rear
130-033	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR		
698-001	RADIATOR MOUNTED AIR CONDITIONER CONDENSER		
739-001	CAB INSULATION		
285-019	AUTOMATIC SELF-RESET CIRCUIT BREAKER IN MAIN DASH POWER DISTRIBUTION BOX AND CIRCUIT BREAKER/FUSE IN AUXILIARY POWER DISTRIBUTION BOXES		
324-075	DOOR ACTIVATED DOME LIGHT, UNDER DASH LIGHT AND LH AND RH DOOR MOUNTED COURTESY LIGHTS		
655-001	CAB DOOR LATCHES WITH MANUAL DOOR LOCKS		
64C-002	BRIGHT DOOR HANDLES		
284-023	(1) 12 VOLT POWER SUPPLY IN DASH		
756-1DD	BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH 1 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION AND REAR CUSHION TILT		
760-1DD	BASIC HIGH BACK AIR SUSPENSION PASSENGER SEAT WITH 1 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION AND REAR CUSHION TILT		
759-005	DUAL DRIVER AND PASSENGER SEAT ARMRESTS	8	
758-014	BLACK CORDURA PLUS CLOTH DRIVER SEAT COVER		
761-014	BLACK CORDURA PLUS CLOTH PASSENGER SEAT COVER		
763-003	3 POINT DRIVER AND PASSENGER SEAT BELT RETRACTORS		
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN		
540-020	2-SPOKE 18 INCH (450MM) BLACK STEERING WHEEL(S)		
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS		

### Instruments & Controls

185-002	NON-ADJUSTABLE SUSPENDED PEDALS
732-001	BLACK DRIVER INSTRUMENT PANEL
734-001	BLACK CENTER INSTRUMENT PANEL
870-004	STAR GAUGES WITH BLACK BEZELS
838-001	(1) SINGLE BRAKE APPLICATION AIR GAUGE



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Data Code	Description	Weight Front	Weight Rear
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES		
198-024	FILTERMINDER DASH MOUNTED AIR RESTRICTION GAUGE	2	
149-012	CRUISE CONTROL SWITCHES IN THE CENTER PANEL		
156-024	KEY OPERATED IGNITION SWITCH WITH INTEGRAL START POSITION AND TRANSMISSION NEUTRAL INTERLOCK		
811-001	WARNING LAMP/LIGHT BAR DISPLAY, NON-DATA LINKED		
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH		
844-001	2 INCH ELECTRIC FUEL GAUGE		
845-011	FUEL FILTER RESTRICTION INDICATOR		
148-085	EMISSIONS LIMITED IDLE ADJUST		
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
854-001	ENGINE OIL TEMPERATURE GAUGE		
864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE		
372-051	CUSTOMER FURNISHED AND INSTALLED PTO CONTROLS		
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE		
746-114	AM/FM/WB WORLD TUNER RADIO WITH AUXILIARY INPUT, J1939	10	
747-002	ROOF/OVERHEAD CONSOLE MOUNTED RADIO		
750-004	(4) RADIO SPEAKERS IN CAB		
753-019	AM/FM ANTENNA MOUNTED ON RH FRONT A-PILLAR		
748-026	POWER AND GROUND WIRING FOR CB RADIO IN OVERHEAD CONSOLE		
752-017	MULTI-BAND AM/FM/WB/CB LH MIRROR MOUNTED ANTENNA SYSTEM		
75A-800	PREP KIT FOR UNDER DASH MOUNTED VHF RADIO		
810-042	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITH ODOMETER		
812-001	ELECTRONIC 3000 RPM TACHOMETER		
813-998	NO VEHICLE PERFORMANCE MONITOR	-5	
8Z1-998	NO ZONAR SERVICES SELECTED		
162-002	IGNITION SWITCH CONTROLLED ENGINE STOP		
329-021	TEN EXTRA SWITCHES IN DASH		



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Data Code	Description	Weight Front	Weight Rear
482-001	BW TRACTOR PROTECTION VALVE		
883-001	TRAILER HAND CONTROL BRAKE VALVE		
836-001	2 INCH VOLTMETER		
660-001	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY AND ARCTIC TYPE BLADES		
304-026	CAB MARKER LIGHT AND HEADLIGHT SWITCH WITH SEPARATE SWITCH AND TERMINALS FOR CUSTOMER FURNISHED SNOW PLOW LIGHTS AND TURN SIGNALS		
882-004	TWO VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR		
299-032	VSM NON CANCELING TURN SIGNAL SWITCH WITH INTEGRAL HEADLAMP DIMMER WITHOUT BRAKE OVERRIDE		
298-036	PACIFIC INSIGHT ELECTRONIC FLASHER		

### Design

065-000 PAINT: ONE SOLID COLOR

### Color

980-8K9 CAB COLOR A: HSB906676 OMAHA ORANGE PPG BASE/CLEAR  
 96J-001 CAB INTERIOR PAINTED SAME AS CAB COLOR  
 986-020 BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT  
 962-972 POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)  
 966-972 POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)  
 964-8FC BUMPER PAINT: HSB905935 WHITE PPG BASE/CLEAR

### Certification / Compliance

996-001 U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS

## TOTAL VEHICLE SUMMARY

### Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight <sup>+</sup>	11741 lbs	8603 lbs	20344 lbs



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Total Weight <sup>+</sup>	11741 lbs	8603 lbs	20344 lbs
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(+) Weights shown are estimates only.  
If weight is critical, contact Customer Application Engineering.



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## P r e m i u m   W e s t e r n   S t a r   4 9 0 0

### WESTERN STAR 4900SA CHASSIS

SET BACK AXLE - TRUCK DETROIT DD13 12.8L 450 HP @ 1625 RPM, 1900 GOV RPM, 1550 LB/FT @ 975 RPM ALLISON 4500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION RT-46-160 46,000# R-SERIES TANDEM REAR AXLE HENDRICKSON RT463 @46,000# REAR SUSPENSION DETROIT DA-F-18.0-5 18,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE	18,000# FLAT LEAF FRONT SUSPENSION 123 INCH BBC STEEL CONVENTIONAL CAB 5550MM (219 INCH) WHEELBASE 3/8X3-1/2X10-3/4 INCH DOUBLE CHANNEL 120KSI STEEL FRAME (3/8 INCH OUTER AND 1/4 INCH INNER) 1875MM (74 INCH) REAR FRAME OVERHANG
---	---

			PER UNIT		TOTAL
VEHICLE PRICE	TOTAL # OF UNITS (1)	\$	119,388	\$	119,388
		\$	0	\$	0
		\$	0	\$	0
<b>CUSTOMER PRICE BEFORE TAX</b>		<b>\$</b>	<b>119,388</b>	<b>\$</b>	<b>119,388</b>
<b>TAXES AND FEES</b>					
TAXES AND FEES		\$	0	\$	0
OTHER CHARGES		\$	0	\$	0
<b>BALANCE DUE</b>	<b>(LOCAL CURRENCY)</b>	<b>\$</b>	<b>119,388</b>	<b>\$</b>	<b>119,388</b>

**APPROVAL:**

Please indicate your acceptance of this quotation by signing below:

Customer: X \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_.





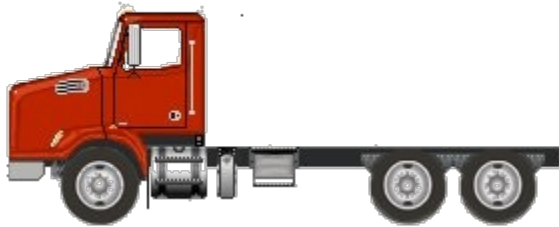
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*A proposal for*  
**State of Michigan- Western Star 173D**

*Prepared by*  
**D & K TRUCK COMPANY**  
*Edward Merrill*  
*Mar 22, 2017*

**Western Star 4700SB**



Components shown may not reflect all spec'd options and are not to scale

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## S P E C I F I C A T I O N P R O P O S A L

Data Code	Description	Weight Front	Weight Rear
<b>Price Level</b>			
PRL-15T	WESTERN STAR 4700 PRL-15T (EFF:10/25/16)		
<b>Data Version</b>			
DRL-016	SPECPRO21 DATA RELEASE VER 016		
<b>Vehicle Configuration</b>			
001-451	4700 SET-BACK FRONT AXLE CHASSIS	9,215	6,630
004-218	2018 MODEL YEAR SPECIFIED		
002-004	SET BACK AXLE - TRUCK		
019-002	STRAIGHT TRUCK PROVISION		
003-001	LH PRIMARY STEERING LOCATION		
<b>General Service</b>			
AA1-002	TRUCK CONFIGURATION		
AA6-001	DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
A85-002	PICKUP AND DELIVERY/SHORT HAUL SERVICE		
A84-1GM	GOVERNMENT BUSINESS SEGMENT		
AA4-003	DRY BULK COMMODITY		
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS		
AB1-008	MAXIMUM 8% EXPECTED GRADE		
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
995-1A5	WESTERN STAR VOCATIONAL WARRANTY		
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 12000.0 lbs		
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 40000.0 lbs		
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 52000.0 lbs		
<b>Truck Service</b>			
AA3-005	FLATBED/PLATFORM/STAKE BODY		



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Data Code	Description	Weight Front	Weight Rear
<b>Engine</b>			
101-2X8	DETROIT DD13 12.8L 435 HP @ 1625 RPM, 1900 GOV RPM, 1550 LB/FT @ 975 RPM		
<b>Electronic Parameters</b>			
79A-075	75 MPH ROAD SPEED LIMIT		
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
79G-006	5 MINUTES IDLE SHUTDOWN WITH CLUTCH AND SERVICE BRAKE OVERRIDE		
79K-001	PTO MODE ENGINE RPM LIMIT - 600 RPM		
79M-002	PTO MODE BRAKE OVERRIDE - SERVICE BRAKE APPLIED OR PARK BRAKE NOT APPLIED		
79P-001	PTO RPM WITH CRUISE SET SWITCH - 600 RPM		
79Q-001	PTO RPM WITH CRUISE RESUME SWITCH - 600 RPM		
79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH		
79T-001	PTO MODE RPM INCREMENT - 25 RPM		
79U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND		
79W-001	ONE REMOTE PTO SPEED		
79X-005	REMOTE PTO SPEED 1 SETTING - 900 RPM		
80D-001	SOFT CRUISE CONTROL ENABLED		
80G-001	PTO MINIMUM RPM - 600		
<b>Engine Equipment</b>			
99C-017	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION		
99D-011	2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR)		
13E-001	STANDARD OIL PAN		
105-001	ENGINE MOUNTED OIL CHECK AND FILL		
133-004	ONE PIECE VALVE COVER		
014-108	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER WITH SAFETY ELEMENT AND INSIDE/OUTSIDE AIR WITH SNOW DOOR	10	
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE		
292-071	(3) ALLIANCE MODEL 1231, GROUP 31, 12 VOLT MAINTENANCE FREE 3375 CCA THREADED STUD BATTERIES	-10	



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Data Code	Description	Weight Front	Weight Rear
290-017	BATTERY BOX FRAME MOUNTED	35	
282-042	LH BATTERY BOX MOUNTED AS FAR AFT AS POSSIBLE, NO GREATER THAN 60 INCHES BACK OF CAB		
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
289-011	NON-POLISHED BATTERY BOX COVER WITH 3/16 INCH TETHER ON FORWARD SIDE OF COVER/BOX		
293-058	POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	8	
295-029	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2	
107-044	BW MODEL BA-921 19.0 CFM SINGLE CYLINDER AIR COMPRESSOR WITH SAFETY VALVE		
131-013	AIR COMPRESSOR DISCHARGE LINE		
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
128-002	JACOBS COMPRESSION BRAKE		
016-1C3	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE	-50	
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH		
239-001	STANDARD EXHAUST SYSTEM LENGTH		
237-052	RH STANDARD HORIZONTAL TAILPIPE		
23U-001	6 GALLON DIESEL EXHAUST FLUID TANK		
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL		
23Y-002	DIESEL EXHAUST FLUID PUMP MOUNTED AFT OF DIESEL EXHAUST FLUID TANK		
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
242-998	NO MUFFLER/TAILPIPE SHIELD	-10	
273-048	HORTON 2-SPEED DRIVEMASTER ADVANTAGE POLAREXTREME FAN DRIVE		
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED		
110-068	DDC SUPPLIED ENGINE MOUNTED FUEL FILTER/FUEL WATER SEPARATOR WITH WATER-IN-FUEL INDICATOR		
118-001	FULL FLOW OIL FILTER		



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Data Code	Description	Weight Front	Weight Rear
266-057	1500 SQUARE INCH ALUMINUM RADIATOR		
267-006	MOUNTING FOR FIREWALL MOUNTED SURGE TANK		
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT		
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		
270-023	HDEP FIXED RATIO COOLANT PUMP AND RADIATOR DRAIN VALVE		
168-998	NO RADIATOR/OIL PAN GUARD	-5	
138-005	PHILLIPS-TEMRO 1500 WATT/115 VOLT BLOCK HEATER		
166-998	NO OIL PREHEATER		
140-022	CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		
134-001	ALUMINUM FLYWHEEL HOUSING		
155-074	DELCO 12V MOD 3.175-39MT+ OCP STARTER WITH THERMAL PROTECTION AND INTEGRATED MAGNETIC SWITCH		

### Transmission

342-1M3	ALLISON 4500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	170	50
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### Transmission Equipment

343-339	ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV		
84B-012	ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES		
84C-023	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84D-023	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84E-000	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84F-000	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		



Prepared for:  
 Ds J T  
 State of Michigan  
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Prepared by:  
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 D & K TRUCK COMPANY  
 3020 Snow Rd  
 LANSING, MI 48917  
 Phone: (517) 484-1905 Ext. 129

Data Code	Description	Weight Front	Weight Rear
84G-000	PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84H-000	SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84L-000	LOAD BASED SHIFT SCHEDULE AND VEHICLE ACCELERATION CONTROL RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED VOCATIONAL USAGE		
353-061	BODY LIGHTING INTERFACE BLUNT CUT WIRING WITH FUSE PANEL WIRE MOUNTED BETWEEN DRIVER AND PASSENGER SEATS WITH ADDITIONAL 150 AMP SERVICE		
34C-010	ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR, BLUNT CUT, MOUNTED BETWEEN DRIVER AND PASSENGER SEATS		
362-035	CUSTOMER INSTALLED CHELSEA 277 SERIES PTO		
363-001	PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION		
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN		
345-003	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED		
97G-004	TRANSMISSION PROGNOSTICS - ENABLED 2013		
370-011	WATER TO OIL TRANSMISSION COOLER, FRAME MOUNTED	15	
346-003	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK		
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		

### Front Axle and Equipment

400-1A6	DETROIT DA-F-12.0-3 12,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE	-190	
402-020	MERITOR 15X4 Q+ CAM FRONT BRAKES	-10	
403-002	NON-ASBESTOS FRONT BRAKE LINING		
419-023	CONMET CAST IRON FRONT BRAKE DRUMS		
427-001	FRONT BRAKE DUST SHIELDS	5	
409-021	SKF SCOTSEAL PLUS XL FRONT OIL SEALS		
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL		
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES		



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Data Code	Description	Weight Front	Weight Rear
405-003	HALDEX AUTOMATIC FRONT SLACK ADJUSTERS		
406-001	STANDARD KING PIN BUSHINGS		
536-050	TRW THP-60 POWER STEERING	-40	
539-003	POWER STEERING PUMP		
534-015	2 QUART SEE THROUGH POWER STEERING RESERVOIR		
40T-002	SYNTHETIC 75W-90 FRONT AXLE LUBE		
<b>Front Suspension</b>			
620-1F0	12,000# DUAL TAPERLEAF FRONT SUSPENSION	-188	
619-005	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION		
410-001	FRONT SHOCK ABSORBERS		
<b>Rear Axle and Equipment</b>			
420-1GR	DETROIT DA-RT-40.0-4 HT 40,000# R-SERIES TANDEM REAR AXLE		
421-478	4.78 REAR AXLE RATIO		
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
386-075	MXL 18T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES		
388-076	MXL 17N MERITOR EXTENDED LUBE INTERAXLE DRIVELINE WITH FULL ROUND YOKES		
878-019	(1) INTERAXLE LOCK VALVE FOR TANDEM OR TRIDEM DRIVE AXLES		
87A-005	INDICATOR LIGHT FOR EACH INTERAXLE LOCKOUT SWITCH		
423-020	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
433-002	NON-ASBESTOS REAR BRAKE LINING		
434-005	BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S) WITH AUXILIARY SUPPORT BRACKETS		
451-023	CONMET CAST IRON REAR BRAKE DRUMS		
425-002	REAR BRAKE DUST SHIELDS		10
440-021	SKF SCOTSEAL PLUS XL REAR OIL SEALS		
426-075	HALDEX GOLDSEAL LONGSTROKE 2-DRIVE AXLES SPRING PARKING CHAMBERS		
428-003	HALDEX AUTOMATIC REAR SLACK ADJUSTERS		
41T-002	SYNTHETIC 75W-90 REAR AXLE LUBE		



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Data Code	Description	Weight Front	Weight Rear
<b>Rear Suspension</b>			
622-218	AIRLINER 40,000# EXTRA DUTY REAR SUSPENSION		
621-007	AIRLINER HIGH POSITION RIDE HEIGHT		
431-005	RESTRAINED AXLE SEATS IN AXLE CLAMP GROUP		
624-016	51 INCH AXLE SPACING		
888-047	MANUAL DUMP VALVE FOR AIR SUSPENSION WITHOUT GAUGE		
87D-006	INDICATOR LIGHT FOR EACH REAR SUSPENSION CONTROL SWITCH		
910-001	SINGLE AIR REAR SUSPENSION LEVELING VALVE		
623-002	TRANSVERSE CONTROL RODS		
439-005	REAR SHOCK ABSORBERS - TWO AXLES (TANDEM) (AIR RIDE SUSPENSION)		
<b>Brake System</b>			
490-100	WABCO 4S/4M ABS WITHOUT TRACTION CONTROL		
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES		
904-001	FIBER BRAID PARKING BRAKE HOSE		
412-001	STANDARD BRAKE SYSTEM VALVES		
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE		
480-083	WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER		
483-004	WABCO OIL COALESCING FILTER FOR AIR DRYER		
479-015	AIR DRYER FRAME MOUNTED		
460-001	STEEL AIR BRAKE RESERVOIRS		
477-001	PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS		
<b>Wheelbase &amp; Frame</b>			
545-457	4575MM (180 INCH) WHEELBASE		
546-099	9/32X3-7/16X10-1/16 INCH STEEL FRAME (7.14MMX255.6MM/0.281X10.06 INCH) 120KSI	40	-160
548-803	BODY COMPANY INSTALLED ADDITIONAL FRONT FRAME REINFORCEMENT FOR SNOW PLOW		
552-030	1600MM (63 INCH) REAR FRAME OVERHANG		





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Data Code	Description	Weight Front	Weight Rear
55W-006	FRAME OVERHANG RANGE: 61 INCH TO 70 INCH		
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 116.69 in		
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 113.69 in		
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 273.12		
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 116.69 in		
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 25.22 in		
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 72.99 in		
553-001	SQUARE END OF FRAME		
559-001	STANDARD WEIGHT ENGINE CROSSMEMBER		
561-001	STANDARD CROSSMEMBER BACK OF TRANSMISSION		
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)		
572-001	STANDARD REARMOST CROSSMEMBER		
565-002	HEAVY DUTY SUSPENSION CROSSMEMBER		
568-001	STANDARD WEIGHT REAR SUSPENSION CROSSMEMBER		

### Chassis Equipment

556-1E7	14 INCH PAINTED STEEL SEVERE DUTY BUMPER	130	-15
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE		
586-015	FRONT ANTI-SPRAY CAB MOUNTED MUDFLAPS		
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS		
44Z-998	NO SPECIFIED HARNESS COVERING		
61C-002	SINGLE TOOL/STORAGE BOX #2 FRAME MOUNTED RH SIDE UNDER CAB		

### Fuel Tanks

204-151	60 GALLON/227 LITER ALUMINUM FUEL TANK - LH		
218-006	25 INCH DIAMETER FUEL TANK(S)		
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
212-007	FUEL TANK(S) FORWARD		
664-001	PLAIN STEP FINISH		
205-001	FUEL TANK CAP(S)		



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Data Code	Description	Weight Front	Weight Rear
122-1K8	DAVCO 487 FUEL/WATER SEPARATOR WITH ESOC AND 12 VOLT AND 120 VOLT PREHEATER AND BLACK BAND	10	
216-020	EQUIFLO INBOARD FUEL SYSTEM		
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
221-998	NO FUEL COOLER	-10	
<b>Tires</b>			
093-2G9	BRIDGESTONE ECOPIA R268 11R22.5 14 PLY RADIAL FRONT TIRES	12	
094-1RW	BRIDGESTONE M726ELA 11R22.5 14 PLY RADIAL REAR TIRES		152
<b>Hubs</b>			
418-056	CONMET PRESET PLUS IRON FRONT HUBS		
450-056	CONMET PRESET PLUS IRON REAR HUBS		
<b>Wheels</b>			
502-1F2	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC FRONT WHEELS		
505-428	ACCURIDE 28828 22.5X8.25 10-HUB PILOT 2-HAND HD STEEL DISC REAR WHEELS		104
496-011	FRONT WHEEL MOUNTING NUTS		
497-011	REAR WHEEL MOUNTING NUTS		
<b>Cab Exterior</b>			
829-1A8	110 INCH BBC STEEL CONVENTIONAL CAB		
82A-023	WESTERN STAR PAINTED ALUMINUM CAB SKIRT		
650-044	AIR CAB MOUNTS WITH CHECK VALVE		
648-002	NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE		
667-001	FRONT FENDERS		
754-001	2 INCH FENDER EXTENSIONS	5	
678-039	LH AND RH EXTERIOR GRAB HANDLES WITH RUBBER INSERT AND LH AND RH INTERIOR GRAB HANDLES MOUNTED TO A POST		
646-008	STATIONARY BRIGHT FINISH GRILLE		
65X-003	CHROME HOOD MOUNTED AIR INTAKE GRILLE		
640-008	GALVANEALD STEEL SEVERE SERVICE CAB		
644-006	FIBERGLASS HOOD WITH ACCESS HATCHES	10	
690-007	HOOD LINER INSULATION WITH SINGLE FIREWALL INSULATION		



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Data Code	Description	Weight Front	Weight Rear
727-012	DUAL HADLEY SD-978 26 INCH RECTANGULAR AIR HORNS		
726-002	DUAL ELECTRIC HORNS		
728-002	DUAL HORN SHIELDS		
657-1CT	ALL UNITS KEYED THE SAME WITH (3) KEYS, KEY CODE TO BE D411		
575-001	REAR LICENSE PLATE MOUNT END OF FRAME		
312-072	SINGLE RECTANGULAR SEALED BEAM HEADLIGHTS WITH BRIGHT BEZELS		
302-001	(5) AMBER MARKER LIGHTS		
294-001	INTEGRAL STOP/TAIL/BACKUP LIGHTS		
300-015	STANDARD FRONT TURN SIGNAL LAMPS		
744-1E0	DUAL WEST COAST STAINLESS STEEL HEATED MIRRORS WITH LH AND RH REMOTE		
797-001	DOOR MOUNTED MIRRORS		
796-001	102 INCH EQUIPMENT WIDTH		
743-1AC	LH AND RH 8 INCH STAINLESS STEEL CONVEX MIRRORS MOUNTED BELOW PRIMARY MIRRORS		
74A-001	RH DOWN VIEW MIRROR		
729-001	STANDARD SIDE/REAR REFLECTORS		
787-004	REMOTE KEYLESS ENTRY AND 2 TRANSMITTERS	2	
768-046	17.5X35 INCH TINTED REAR WINDOW		
661-006	TINTED DOOR GLASS		
654-011	RH AND LH ELECTRIC POWERED WINDOWS	4	
663-002	2-PIECE TINTED CURVED GASKET MOUNTED WINDSHIELD		
659-025	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, MOUNTED UNDER CAB, WITH REMOTE FILL		

### Cab Interior

707-1D0	GRAY VINYL BASE INTERIOR		
70K-005	BLACK HARD TRIM		
706-049	BASE LEFT HAND DOOR TRIM		
708-049	BASE RIGHT HAND DOOR TRIM		
772-006	BLACK MATS WITH SINGLE INSULATION		
785-007	DASH MOUNTED ASH TRAY AND LIGHTER, DRIVER SIDE		
691-001	FORWARD ROOF MOUNTED CONSOLE		
694-009	PASSENGER SIDE WING DASH MOUNTED GLOVE BOX WITH LOCKING DOOR		



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Data Code	Description	Weight Front	Weight Rear
693-025	LH AND RH DOOR MAP POCKETS		
741-029	COAT HOOK ON RH BACKWALL OF CAB		
680-034	TWO-TONE CHARCOAL UPPER/COOL GRAY LOWER SOFT TOUCH WING DASH WITH BLACK DRIVER SIDE COSMETIC UNDER DASH COVER		
320-004	STANDARD WIRING		
700-023	HEATER, DEFROSTER AND AIR CONDITIONER WITH CONSTANT TEMPERATURE CONTROL AND COSMETIC COVER		
701-010	HVAC DUCTING WITH FOAM MAIN FRESH AIR FILTER AND OUTSIDE PRE-FILTER		
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
170-015	STANDARD HEATER PLUMBING		
130-033	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR		
698-001	RADIATOR MOUNTED AIR CONDITIONER CONDENSER		
702-002	BINARY CONTROL, R-134A		
739-002	ADDITIONAL CAB SIDEWALL INSULATION	60	10
285-019	AUTOMATIC SELF-RESET CIRCUIT BREAKER IN MAIN DASH POWER DISTRIBUTION BOX AND CIRCUIT BREAKER/FUSE IN AUXILIARY POWER DISTRIBUTION BOXES		
324-075	DOOR ACTIVATED DOME LIGHT, UNDER DASH LIGHT AND LH AND RH DOOR MOUNTED COURTESY LIGHTS		
655-005	LH AND RH ELECTRIC DOOR LOCKS		
284-023	(1) 12 VOLT POWER SUPPLY IN DASH		
756-1DD	BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH 1 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION AND REAR CUSHION TILT		
760-1DD	BASIC HIGH BACK AIR SUSPENSION PASSENGER SEAT WITH 1 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION AND REAR CUSHION TILT	25	10
759-005	DUAL DRIVER AND PASSENGER SEAT ARMRESTS	8	
758-022	BLACK MORDURA CLOTH DRIVER SEAT COVER		
761-023	BLACK MORDURA CLOTH PASSENGER SEAT COVER		
763-003	3 POINT DRIVER AND PASSENGER SEAT BELT RETRACTORS		



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Data Code	Description	Weight Front	Weight Rear
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN		
540-005	2-SPOKE 20 INCH (500MM) BLACK STEERING WHEEL		
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS		

### Instruments & Controls

185-002	Non-adjustable suspended pedals		
87L-001	ENGINE REMOTE INTERFACE WITH PARK BRAKE INTERLOCK		
870-004	STAR GAUGES WITH BLACK BEZELS		
732-001	BLACK DRIVER INSTRUMENT PANEL		
734-001	BLACK CENTER INSTRUMENT PANEL		
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM		
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES		
198-024	FILTERMINDER DASH MOUNTED AIR RESTRICTION GAUGE	2	
149-012	CRUISE CONTROL SWITCHES IN THE CENTER PANEL		
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY		
811-001	WARNING LAMP/LIGHT BAR DISPLAY, NON-DATA LINKED		
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH		
844-001	2 INCH ELECTRIC FUEL GAUGE		
845-011	FUEL FILTER RESTRICTION INDICATOR		
148-070	ENGINE REMOTE INTERFACE WITH PRESET FAST IDLE		
163-013	ENGINE REMOTE INTERFACE CONNECTOR IN CAB BETWEEN DRIVER AND PASSENGER SEATS		
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE		
372-051	CUSTOMER FURNISHED AND INSTALLED PTO CONTROLS		
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE		



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Data Code	Description	Weight Front	Weight Rear
746-114	AM/FM/WB WORLD TUNER RADIO WITH AUXILIARY INPUT, J1939	10	
747-002	ROOF/OVERHEAD CONSOLE MOUNTED RADIO		
750-004	(4) RADIO SPEAKERS IN CAB		
753-021	AM/FM ANTENNA MOUNTED ON LH FRONT A-PILLAR	2	
748-026	POWER AND GROUND WIRING FOR CB RADIO IN OVERHEAD CONSOLE		
752-024	MULTI-BAND AM/FM/WB/CB RH MIRROR MOUNTED ANTENNA SYSTEM		
75A-002	UHF/VHF RADIO POWER/GROUND HARNESS TO OVERHEAD INSTRUMENT PANEL		
810-042	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITH ODOMETER		
817-001	STANDARD VEHICLE SPEED SENSOR		
812-001	ELECTRONIC 3000 RPM TACHOMETER		
813-998	NO VEHICLE PERFORMANCE MONITOR		
8Z1-998	NO ZONAR SYSTEMS (SCO)		
162-002	IGNITION SWITCH CONTROLLED ENGINE STOP		
329-072	SIX IGNITION CONTROLLED EXTRA SWITCHES WITH INDICATOR LIGHT, 20 AMPS, WIRED BEHIND PASSENGER SEAT		
836-001	2 INCH VOLTMETER		
660-001	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY AND ARCTIC TYPE BLADES		
304-015	CAB/TRAILER MARKER LIGHT SWITCH WITH SEPARATE HEADLIGHT SWITCH		
882-009	ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR		
299-037	SELF CANCELING TURN SIGNAL SWITCH WITH INTEGRAL HEADLAMP DIMMER WITH BRAKE OVERRIDE		
298-036	PACIFIC INSIGHT ELECTRONIC FLASHER		

### Design

065-000 PAINT: ONE SOLID COLOR

### Color

980-5E7 CAB COLOR A: L0789EB OMAHA ORANGE ELITE BC  
 96J-001 CAB INTERIOR PAINTED SAME AS CAB COLOR  
 986-020 BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT  
 962-972 POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)



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<b>Data Code</b>	<b>Description</b>	<b>Weight Front</b>	<b>Weight Rear</b>
966-972	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)		
964-993	BUMPER PAINTED SAME AS CHASSIS		
<b>Certification / Compliance</b>			
996-001	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS		



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## Q U O T A T I O N

### 4700 SET-BACK FRONT AXLE CHASSIS

SET BACK AXLE - TRUCK	12,000# DUAL TAPERLEAF FRONT SUSPENSION
DETROIT DD13 12.8L 435 HP @ 1625 RPM, 1900 GOV RPM, 1550 LB/FT @ 975 RPM	110 INCH BBC STEEL CONVENTIONAL CAB 4575MM (180 INCH) WHEELBASE
ALLISON 4500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	9/32X3-7/16X10-1/16 INCH STEEL FRAME (7.14MMX255.6MM/0.281X10.06 INCH) 120KSI
DETROIT DA-RT-40.0-4 HT 40,000# R-SERIES TANDEM REAR AXLE	1600MM (63 INCH) REAR FRAME OVERHANG
AIRLINER 40,000# EXTRA DUTY REAR SUSPENSION	BODY COMPANY INSTALLED ADDITIONAL FRONT FRAME REINFORCEMENT FOR SNOW PLOW
DETROIT DA-F-12.0-3 12,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE	

			PER UNIT		TOTAL
VEHICLE PRICE	TOTAL # OF UNITS (1)	\$	103,880	\$	103,880
<b>CUSTOMER PRICE BEFORE TAX</b>		<b>\$</b>	<b>103,880</b>	<b>\$</b>	<b>103,880</b>

### TAXES AND FEES

TAXES AND FEES	\$	0	\$	0
OTHER CHARGES	\$	0	\$	0

<b>BALANCE DUE</b>	<b>(LOCAL CURRENCY)</b>	<b>\$</b>	<b>103,880</b>	<b>\$</b>	<b>103,880</b>
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**COMMENTS:**

Projected delivery on \_\_\_ / \_\_\_ / \_\_\_ provided the order is received before \_\_\_ / \_\_\_ / \_\_\_.

**APPROVAL:**

Please indicate your acceptance of this quotation by signing below:

Customer: X \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_.





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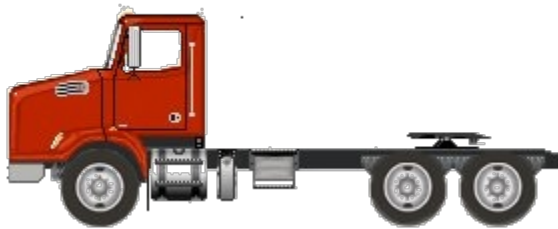
**Prepared by:**  
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*A proposal for*  
**State of Michigan- Western Star 178D**

*Prepared by*  
**D & K TRUCK COMPANY**  
*Edward Merrill*

*Mar 22, 2017*

**Western Star 4700SB**



Components shown may not reflect all spec'd options and are not to scale

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## S P E C I F I C A T I O N P R O P O S A L

Data Code	Description	Weight Front	Weight Rear
<b>Price Level</b>			
PRL-15T	WESTERN STAR 4700 PRL-15T (EFF:10/25/16)		
<b>Data Version</b>			
DRL-016	SPECPRO21 DATA RELEASE VER 016		
<b>Vehicle Configuration</b>			
001-451	4700 SET-BACK FRONT AXLE CHASSIS	9,215	6,630
004-218	2018 MODEL YEAR SPECIFIED		
002-002	SET BACK AXLE - TRACTOR	20	
003-001	LH PRIMARY STEERING LOCATION		
<b>General Service</b>			
AA1-001	TRACTOR/TRAILER CONFIGURATION		
AA6-001	DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
A85-002	PICKUP AND DELIVERY/SHORT HAUL SERVICE		
A84-1GM	GOVERNMENT BUSINESS SEGMENT		
AA4-003	DRY BULK COMMODITY		
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS		
AB1-008	MAXIMUM 8% EXPECTED GRADE		
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
995-1A5	WESTERN STAR VOCATIONAL WARRANTY		
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 12000.0 lbs		
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 40000.0 lbs		
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 52000.0 lbs		
A70-99D	EXPECTED GROSS COMBINATION WEIGHT : 80000.0 lbs		
<b>Tractor Service</b>			
AA2-001	VAN TRAILER		



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Data Code	Description	Weight Front	Weight Rear
AH6-001	SINGLE (1) TRAILER		
<b>Engine</b>			
101-2YA	DETROIT DD13 12.8L 450 HP @ 1625 RPM, 1900 GOV RPM, 1650 LB/FT @ 975 RPM		
<b>Electronic Parameters</b>			
79A-075	75 MPH ROAD SPEED LIMIT		
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
79G-006	5 MINUTES IDLE SHUTDOWN WITH CLUTCH AND SERVICE BRAKE OVERRIDE		
79K-001	PTO MODE ENGINE RPM LIMIT - 600 RPM		
79M-002	PTO MODE BRAKE OVERRIDE - SERVICE BRAKE APPLIED OR PARK BRAKE NOT APPLIED		
79P-001	PTO RPM WITH CRUISE SET SWITCH - 600 RPM		
79Q-001	PTO RPM WITH CRUISE RESUME SWITCH - 600 RPM		
79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH		
79T-001	PTO MODE RPM INCREMENT - 25 RPM		
79U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND		
79W-001	ONE REMOTE PTO SPEED		
79X-005	REMOTE PTO SPEED 1 SETTING - 900 RPM		
80D-001	SOFT CRUISE CONTROL ENABLED		
80G-001	PTO MINIMUM RPM - 600		
<b>Engine Equipment</b>			
99C-017	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION		
99D-011	2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR)		
13E-001	STANDARD OIL PAN		
105-001	ENGINE MOUNTED OIL CHECK AND FILL		
133-004	ONE PIECE VALVE COVER		
014-108	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER WITH SAFETY ELEMENT AND INSIDE/OUTSIDE AIR WITH SNOW DOOR	10	
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE		



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Data Code	Description	Weight Front	Weight Rear
292-071	(3) ALLIANCE MODEL 1231, GROUP 31, 12 VOLT MAINTENANCE FREE 3375 CCA THREADED STUD BATTERIES	-10	
290-017	BATTERY BOX FRAME MOUNTED	35	
282-042	LH BATTERY BOX MOUNTED AS FAR AFT AS POSSIBLE, NO GREATER THAN 60 INCHES BACK OF CAB		
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
289-011	NON-POLISHED BATTERY BOX COVER WITH 3/16 INCH TETHER ON FORWARD SIDE OF COVER/BOX		
293-058	POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	8	
295-029	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2	
107-044	BW MODEL BA-921 19.0 CFM SINGLE CYLINDER AIR COMPRESSOR WITH SAFETY VALVE		
131-013	AIR COMPRESSOR DISCHARGE LINE		
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
128-002	JACOBS COMPRESSION BRAKE		
016-1C3	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE	-50	
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH		
239-001	STANDARD EXHAUST SYSTEM LENGTH		
237-052	RH STANDARD HORIZONTAL TAILPIPE		
23U-001	6 GALLON DIESEL EXHAUST FLUID TANK		
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL		
23Y-002	DIESEL EXHAUST FLUID PUMP MOUNTED AFT OF DIESEL EXHAUST FLUID TANK		
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
242-998	NO MUFFLER/TAILPIPE SHIELD	-10	
273-048	HORTON 2-SPEED DRIVEMASTER ADVANTAGE POLAREXTREME FAN DRIVE		
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED		



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Data Code	Description	Weight Front	Weight Rear
110-068	DDC SUPPLIED ENGINE MOUNTED FUEL FILTER/FUEL WATER SEPARATOR WITH WATER-IN-FUEL INDICATOR		
118-001	FULL FLOW OIL FILTER		
266-057	1500 SQUARE INCH ALUMINUM RADIATOR		
267-006	MOUNTING FOR FIREWALL MOUNTED SURGE TANK		
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT		
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		
270-023	HDEP FIXED RATIO COOLANT PUMP AND RADIATOR DRAIN VALVE		
168-998	NO RADIATOR/OIL PAN GUARD	-5	
138-005	PHILLIPS-TEMRO 1500 WATT/115 VOLT BLOCK HEATER		
166-998	NO OIL PREHEATER		
140-022	CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		
134-001	ALUMINUM FLYWHEEL HOUSING		
155-074	DELCO 12V MOD 3.175-39MT+ OCP STARTER WITH THERMAL PROTECTION AND INTEGRATED MAGNETIC SWITCH		

### Transmission

342-1M3	ALLISON 4500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	170	50
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### Transmission Equipment

343-339	ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV		
84B-012	ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES		
84C-023	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84D-023	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84E-000	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		



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Data Code	Description	Weight Front	Weight Rear
84F-000	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84G-000	PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84H-000	SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84L-000	LOAD BASED SHIFT SCHEDULE AND VEHICLE ACCELERATION CONTROL RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED VOCATIONAL USAGE		
353-061	BODY LIGHTING INTERFACE BLUNT CUT WIRING WITH FUSE PANEL WIRE MOUNTED BETWEEN DRIVER AND PASSENGER SEATS WITH ADDITIONAL 150 AMP SERVICE		
34C-010	ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR, BLUNT CUT, MOUNTED BETWEEN DRIVER AND PASSENGER SEATS		
362-035	CUSTOMER INSTALLED CHELSEA 277 SERIES PTO		
363-001	PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION		
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN		
345-003	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED		
97G-004	TRANSMISSION PROGNOSTICS - ENABLED 2013		
370-011	WATER TO OIL TRANSMISSION COOLER, FRAME MOUNTED	15	
346-003	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK		
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		

### Front Axle and Equipment

400-1A6	DETROIT DA-F-12.0-3 12,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE	-190	
402-049	MERITOR 16.5X5 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES	-10	
403-043	2011/2013-FMVSS 121 FRONT BRAKE LINING		
419-023	CONMET CAST IRON FRONT BRAKE DRUMS		
427-001	FRONT BRAKE DUST SHIELDS	5	
409-021	SKF SCOTSEAL PLUS XL FRONT OIL SEALS		



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Data Code	Description	Weight Front	Weight Rear
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL		
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES		
405-003	HALDEX AUTOMATIC FRONT SLACK ADJUSTERS		
406-001	STANDARD KING PIN BUSHINGS		
536-050	TRW THP-60 POWER STEERING	-40	
539-003	POWER STEERING PUMP		
534-015	2 QUART SEE THROUGH POWER STEERING RESERVOIR		
40T-002	SYNTHETIC 75W-90 FRONT AXLE LUBE		
<b>Front Suspension</b>			
620-1F0	12,000# DUAL TAPERLEAF FRONT SUSPENSION	-188	
619-005	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION		
410-001	FRONT SHOCK ABSORBERS		
<b>Rear Axle and Equipment</b>			
420-1GR	DETROIT DA-RT-40.0-4 HT 40,000# R-SERIES TANDEM REAR AXLE		
421-478	4.78 REAR AXLE RATIO		
424-003	IRON REAR AXLE CARRIER WITH OPTIONAL HEAVY DUTY AXLE HOUSING		
386-075	MXL 18T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES		
388-076	MXL 17N MERITOR EXTENDED LUBE INTERAXLE DRIVELINE WITH FULL ROUND YOKES		
878-019	(1) INTERAXLE LOCK VALVE FOR TANDEM OR TRIDEM DRIVE AXLES		
87A-005	INDICATOR LIGHT FOR EACH INTERAXLE LOCKOUT SWITCH		
423-019	MERITOR 16.5X8.62 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
433-043	2011/2013-FMVSS 121 REAR BRAKE LININGS		
434-005	BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S) WITH AUXILIARY SUPPORT BRACKETS		
451-023	CONMET CAST IRON REAR BRAKE DRUMS		
440-021	SKF SCOTSEAL PLUS XL REAR OIL SEALS		
426-075	HALDEX GOLDSEAL LONGSTROKE 2-DRIVE AXLES SPRING PARKING CHAMBERS		
428-003	HALDEX AUTOMATIC REAR SLACK ADJUSTERS		



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Data Code	Description	Weight Front	Weight Rear
41T-002	SYNTHETIC 75W-90 REAR AXLE LUBE		
<b>Rear Suspension</b>			
622-218	AIRLINER 40,000# EXTRA DUTY REAR SUSPENSION		
621-007	AIRLINER HIGH POSITION RIDE HEIGHT		
431-005	RESTRAINED AXLE SEATS IN AXLE CLAMP GROUP		
624-016	51 INCH AXLE SPACING		
888-047	MANUAL DUMP VALVE FOR AIR SUSPENSION WITHOUT GAUGE		
87D-006	INDICATOR LIGHT FOR EACH REAR SUSPENSION CONTROL SWITCH		
910-001	SINGLE AIR REAR SUSPENSION LEVELING VALVE		
623-002	TRANSVERSE CONTROL RODS		
439-005	REAR SHOCK ABSORBERS - TWO AXLES (TANDEM) (AIR RIDE SUSPENSION)		
<b>Brake System</b>			
490-100	WABCO 4S/4M ABS WITHOUT TRACTION CONTROL		
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES		
904-001	FIBER BRAID PARKING BRAKE HOSE		
412-001	STANDARD BRAKE SYSTEM VALVES		
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE		
480-083	WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER		
483-004	WABCO OIL COALESCING FILTER FOR AIR DRYER		
479-015	AIR DRYER FRAME MOUNTED		
460-001	STEEL AIR BRAKE RESERVOIRS		
477-001	PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS		
<b>Trailer Connections</b>			
481-003	12 FOOT STRAIGHT TRAILER AIR HOSE	10	
476-013	HASP, HOOK AND SPRING FOR TRAILER LINES		
484-006	COMBINATION DUMMY GLAD HANDS AND LIGHT PLUG HOLDER		
296-010	PRIMARY CONNECTOR/RECEPTACLE WIRED FOR SEPARATE STOP/TURN, ABS CENTER PIN POWERED THROUGH IGNITION		





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Data Code	Description	Weight Front	Weight Rear
297-005	SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE FRAME MOUNTED AFT CAB		
310-002	12 FOOT DETACHABLE STRAIGHT PRIMARY TRAILER ELECTRICAL CABLE WITH SAE J560 CONNECTOR	10	

### Wheelbase & Frame

545-457	4575MM (180 INCH) WHEELBASE		
546-101	11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8MM/0.344X10.94 INCH) 120KSI	110	-30
548-803	BODY COMPANY INSTALLED ADDITIONAL FRONT FRAME REINFORCEMENT FOR SNOW PLOW		
552-030	1600MM (63 INCH) REAR FRAME OVERHANG		
55W-006	FRAME OVERHANG RANGE: 61 INCH TO 70 INCH		
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 116.69 in		
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 115.44 in		
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 273.12		
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 64.95 in		
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 22.42 in		
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 72.99 in		
553-002	FLANGED TAPERED END OF FRAME		
559-001	STANDARD WEIGHT ENGINE CROSSMEMBER		
561-001	STANDARD CROSSMEMBER BACK OF TRANSMISSION		
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)		
572-001	STANDARD REAR MOST CROSSMEMBER		
565-002	HEAVY DUTY SUSPENSION CROSSMEMBER		
568-001	STANDARD WEIGHT REAR SUSPENSION CROSSMEMBER		

### Chassis Equipment

674-019	LH BACK OF CAB ACCESS, GRAB HANDLES WITH SINGLE RUBBER INSERT	5	5
592-053	14 INCH (350MM) DECK PLATE FLUSH MOUNTED BETWEEN RAILS	5	5
556-1E7	14 INCH PAINTED STEEL SEVERE DUTY BUMPER	130	-15
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE		
585-042	BETTS B-25 PAINTED MUDFLAP BRACKETS		15



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590-032	WESTERN STAR LOGO BLACK MUDFLAPS		15
586-015	FRONT ANTI-SPRAY CAB MOUNTED MUDFLAPS		
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS		
44Z-998	NO SPECIFIED HARNESS COVERING		
61C-002	SINGLE TOOL/STORAGE BOX #2 FRAME MOUNTED RH SIDE UNDER CAB		
<b>Fifth Wheel</b>			
578-1CH	JOST JSK37 SERIES 36.0 INCH AIR SLIDE FIFTH WHEEL	30	550
577-914	FIFTH WHEEL 914MM (36.0 INCHES) AHEAD OF SUSPENSION CENTERLINE		
582-013	171MM (6.75 INCH) FIFTH WHEEL HEIGHT		
570-001	OUTBOARD ANGLE - FIFTH WHEEL MOUNTING		
890-001	DASH MOUNTED CONTROL VALVE AND PLUMBING FOR FIFTH WHEEL		
579-005	LH FIFTH WHEEL RELEASE		
<b>Fuel Tanks</b>			
204-151	60 GALLON/227 LITER ALUMINUM FUEL TANK - LH		
218-006	25 INCH DIAMETER FUEL TANK(S)		
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
212-007	FUEL TANK(S) FORWARD		
664-001	PLAIN STEP FINISH		
205-001	FUEL TANK CAP(S)		
216-020	EQUIFLO INBOARD FUEL SYSTEM		
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
221-998	NO FUEL COOLER	-10	
<b>Tires</b>			
093-2G9	BRIDGESTONE ECOPIA R268 11R22.5 14 PLY RADIAL FRONT TIRES	12	
094-1RW	BRIDGESTONE M726ELA 11R22.5 14 PLY RADIAL REAR TIRES		152
<b>Hubs</b>			
418-056	CONMET PRESET PLUS IRON FRONT HUBS		
450-056	CONMET PRESET PLUS IRON REAR HUBS		
<b>Wheels</b>			



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Data Code	Description	Weight Front	Weight Rear
502-1F2	MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC FRONT WHEELS		
505-428	ACCURIDE 28828 22.5X8.25 10-HUB PILOT 2-HAND HD STEEL DISC REAR WHEELS		104
496-011	FRONT WHEEL MOUNTING NUTS		
497-011	REAR WHEEL MOUNTING NUTS		
<b>Cab Exterior</b>			
829-1A8	110 INCH BBC STEEL CONVENTIONAL CAB		
82A-023	WESTERN STAR PAINTED ALUMINUM CAB SKIRT		
650-044	AIR CAB MOUNTS WITH CHECK VALVE		
648-002	NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE		
667-001	FRONT FENDERS		
754-001	2 INCH FENDER EXTENSIONS	5	
678-039	LH AND RH EXTERIOR GRAB HANDLES WITH RUBBER INSERT AND LH AND RH INTERIOR GRAB HANDLES MOUNTED TO A POST		
646-008	STATIONARY BRIGHT FINISH GRILLE		
65X-003	CHROME HOOD MOUNTED AIR INTAKE GRILLE		
640-008	GALVANEALD STEEL SEVERE SERVICE CAB		
644-006	FIBERGLASS HOOD WITH ACCESS HATCHES	10	
690-007	HOOD LINER INSULATION WITH SINGLE FIREWALL INSULATION		
727-012	DUAL HADLEY SD-978 26 INCH RECTANGULAR AIR HORNS		
726-002	DUAL ELECTRIC HORNS		
728-002	DUAL HORN SHIELDS		
657-1CT	ALL UNITS KEYED THE SAME WITH (3) KEYS, KEY CODE TO BE D411		
575-001	REAR LICENSE PLATE MOUNT END OF FRAME		
312-072	SINGLE RECTANGULAR SEALED BEAM HEADLIGHTS WITH BRIGHT BEZELS		
302-001	(5) AMBER MARKER LIGHTS		
294-001	INTEGRAL STOP/TAIL/BACKUP LIGHTS		
300-015	STANDARD FRONT TURN SIGNAL LAMPS		
744-1E0	DUAL WEST COAST STAINLESS STEEL HEATED MIRRORS WITH LH AND RH REMOTE		
797-001	DOOR MOUNTED MIRRORS		
796-001	102 INCH EQUIPMENT WIDTH		



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743-1AC	LH AND RH 8 INCH STAINLESS STEEL CONVEX MIRRORS MOUNTED BELOW PRIMARY MIRRORS		
74A-001	RH DOWN VIEW MIRROR		
729-001	STANDARD SIDE/REAR REFLECTORS		
73A-002	REAR REFLECTIVE DEVICE		
787-004	REMOTE KEYLESS ENTRY AND 2 TRANSMITTERS	2	
768-046	17.5X35 INCH TINTED REAR WINDOW		
661-006	TINTED DOOR GLASS		
654-006	RH ELECTRIC AND LH MANUAL WINDOWS	2	
663-002	2-PIECE TINTED CURVED GASKET MOUNTED WINDSHIELD		
659-025	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, MOUNTED UNDER CAB, WITH REMOTE FILL		

### Cab Interior

707-1D0	GRAY VINYL BASE INTERIOR		
70K-005	BLACK HARD TRIM		
706-049	BASE LEFT HAND DOOR TRIM		
708-049	BASE RIGHT HAND DOOR TRIM		
772-006	BLACK MATS WITH SINGLE INSULATION		
785-007	DASH MOUNTED ASH TRAY AND LIGHTER, DRIVER SIDE		
691-001	FORWARD ROOF MOUNTED CONSOLE		
694-009	PASSENGER SIDE WING DASH MOUNTED GLOVE BOX WITH LOCKING DOOR		
693-025	LH AND RH DOOR MAP POCKETS		
741-029	COAT HOOK ON RH BACKWALL OF CAB		
742-026	(1) CUP HOLDER MOUNTED IN BOTTOM CENTER OF DASH		
680-034	TWO-TONE CHARCOAL UPPER/COOL GRAY LOWER SOFT TOUCH WING DASH WITH BLACK DRIVER SIDE COSMETIC UNDER DASH COVER		
320-004	STANDARD WIRING		
700-023	HEATER, DEFROSTER AND AIR CONDITIONER WITH CONSTANT TEMPERATURE CONTROL AND COSMETIC COVER		
701-010	HVAC DUCTING WITH FOAM MAIN FRESH AIR FILTER AND OUTSIDE PRE-FILTER		
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
170-015	STANDARD HEATER PLUMBING		



Prepared for:  
 Ds J T  
 State of Michigan  
 2522 West Main Street  
 Lansing, MI 48917  
 Phone: 517-334-7763

Prepared by:  
 Edward Merrill  
 D & K TRUCK COMPANY  
 3020 Snow Rd  
 LANSING, MI 48917  
 Phone: (517) 484-1905 Ext. 129

Data Code	Description	Weight Front	Weight Rear
130-033	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR		
698-001	RADIATOR MOUNTED AIR CONDITIONER CONDENSER		
702-002	BINARY CONTROL, R-134A		
739-002	ADDITIONAL CAB SIDEWALL INSULATION	60	10
285-019	AUTOMATIC SELF-RESET CIRCUIT BREAKER IN MAIN DASH POWER DISTRIBUTION BOX AND CIRCUIT BREAKER/FUSE IN AUXILIARY POWER DISTRIBUTION BOXES		
324-075	DOOR ACTIVATED DOME LIGHT, UNDER DASH LIGHT AND LH AND RH DOOR MOUNTED COURTESY LIGHTS		
655-005	LH AND RH ELECTRIC DOOR LOCKS		
284-023	(1) 12 VOLT POWER SUPPLY IN DASH		
756-1DD	BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH 1 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION AND REAR CUSHION TILT		
760-1DD	BASIC HIGH BACK AIR SUSPENSION PASSENGER SEAT WITH 1 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION AND REAR CUSHION TILT	25	10
759-005	DUAL DRIVER AND PASSENGER SEAT ARMRESTS	8	
758-022	BLACK MORDURA CLOTH DRIVER SEAT COVER		
761-023	BLACK MORDURA CLOTH PASSENGER SEAT COVER		
763-003	3 POINT DRIVER AND PASSENGER SEAT BELT RETRACTORS		
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN		
540-005	2-SPOKE 20 INCH (500MM) BLACK STEERING WHEEL		
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS		

**Instruments & Controls**

185-002	Non-adjustable suspended pedals
87L-001	ENGINE REMOTE INTERFACE WITH PARK BRAKE INTERLOCK
870-004	STAR GAUGES WITH BLACK BEZELS
732-001	BLACK DRIVER INSTRUMENT PANEL
734-001	BLACK CENTER INSTRUMENT PANEL
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM



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Data Code	Description	Weight Front	Weight Rear
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES		
198-024	FILTERMINDER DASH MOUNTED AIR RESTRICTION GAUGE	2	
149-012	CRUISE CONTROL SWITCHES IN THE CENTER PANEL		
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY		
811-001	WARNING LAMP/LIGHT BAR DISPLAY, NON-DATA LINKED		
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH		
844-001	2 INCH ELECTRIC FUEL GAUGE		
845-011	FUEL FILTER RESTRICTION INDICATOR		
148-070	ENGINE REMOTE INTERFACE WITH PRESET FAST IDLE		
163-013	ENGINE REMOTE INTERFACE CONNECTOR IN CAB BETWEEN DRIVER AND PASSENGER SEATS		
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE		
372-051	CUSTOMER FURNISHED AND INSTALLED PTO CONTROLS		
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE		
746-114	AM/FM/WB WORLD TUNER RADIO WITH AUXILIARY INPUT, J1939	10	
747-002	ROOF/OVERHEAD CONSOLE MOUNTED RADIO		
750-004	(4) RADIO SPEAKERS IN CAB		
753-021	AM/FM ANTENNA MOUNTED ON LH FRONT A-PILLAR	2	
748-026	POWER AND GROUND WIRING FOR CB RADIO IN OVERHEAD CONSOLE		
752-024	MULTI-BAND AM/FM/WB/CB RH MIRROR MOUNTED ANTENNA SYSTEM		
75A-002	UHF/VHF RADIO POWER/GROUND HARNESS TO OVERHEAD INSTRUMENT PANEL		
810-042	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITH ODOMETER		
817-001	STANDARD VEHICLE SPEED SENSOR		
812-001	ELECTRONIC 3000 RPM TACHOMETER		
813-998	NO VEHICLE PERFORMANCE MONITOR		



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Data Code	Description	Weight Front	Weight Rear
8Z1-998	NO ZONAR SYSTEMS (SCO)		
162-002	IGNITION SWITCH CONTROLLED ENGINE STOP		
329-072	SIX IGNITION CONTROLLED EXTRA SWITCHES WITH INDICATOR LIGHT, 20 AMPS, WIRED BEHIND PASSENGER SEAT		
482-001	BW TRACTOR PROTECTION VALVE		
883-001	TRAILER HAND CONTROL BRAKE VALVE		
836-001	2 INCH VOLTMETER		
660-001	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY AND ARCTIC TYPE BLADES		
304-015	CAB/TRAILER MARKER LIGHT SWITCH WITH SEPARATE HEADLIGHT SWITCH		
882-004	TWO VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR		
299-037	SELF CANCELING TURN SIGNAL SWITCH WITH INTEGRAL HEADLAMP DIMMER WITH BRAKE OVERRIDE		
298-036	PACIFIC INSIGHT ELECTRONIC FLASHER		

**Design**

065-000 PAINT: ONE SOLID COLOR

**Color**

980-5E7 CAB COLOR A: L0789EB OMAHA ORANGE ELITE BC  
 96J-001 CAB INTERIOR PAINTED SAME AS CAB COLOR  
 986-020 BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT  
 962-972 POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)  
 966-972 POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)  
 964-993 BUMPER PAINTED SAME AS CHASSIS

(+) Weights shown are estimates only.  
 If weight is critical, contact Customer Application Engineering.



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## Q U O T A T I O N

### 4700 SET-BACK FRONT AXLE CHASSIS

SET BACK AXLE - TRACTOR	12,000# DUAL TAPERLEAF FRONT SUSPENSION
DETROIT DD13 12.8L 450 HP @ 1625 RPM, 1900 GOV RPM, 1650 LB/FT @ 975 RPM	110 INCH BBC STEEL CONVENTIONAL CAB
ALLISON 4500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	4575MM (180 INCH) WHEELBASE
DETROIT DA-RT-40.0-4 HT 40,000# R-SERIES TANDEM REAR AXLE	JOST JSK37 SERIES 36.0 INCH AIR SLIDE FIFTH WHEEL
AIRLINER 40,000# EXTRA DUTY REAR SUSPENSION	11/32X3-1/2X10-15/16 INCH STEEL FRAME
DETROIT DA-F-12.0-3 12,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE	(8.73MMX277.8MM/0.344X10.94 INCH) 120KSI
	1600MM (63 INCH) REAR FRAME OVERHANG
	BODY COMPANY INSTALLED ADDITIONAL FRONT FRAME REINFORCEMENT FOR SNOW PLOW

			PER UNIT		TOTAL
VEHICLE PRICE	TOTAL # OF UNITS (1)	\$	105,670	\$	105,670
<b>CUSTOMER PRICE BEFORE TAX</b>		<b>\$</b>	<b>105,670</b>	<b>\$</b>	<b>105,670</b>

### TAXES AND FEES

TAXES AND FEES	\$	0	\$	0
OTHER CHARGES	\$	0	\$	0

<b>BALANCE DUE</b>	<b>(LOCAL CURRENCY)</b>	<b>\$</b>	<b>105,670</b>	<b>\$</b>	<b>105,670</b>
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**COMMENTS:**

Projected delivery on \_\_\_ / \_\_\_ / \_\_\_ provided the order is received before \_\_\_ / \_\_\_ / \_\_\_.

**APPROVAL:**

Please indicate your acceptance of this quotation by signing below:

Customer: X \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_.





**STATE OF MICHIGAN**  
 DEPARTMENT OF TECHNOLOGY, MANAGEMENT & BUDGET  
 PROCUREMENT

525 W. ALLEGAN STREET  
 LANSING, MI 48933

P.O. BOX 30026  
 LANSING, MI 48909

**NOTICE OF CONTRACT NO. 071B6600119**

between  
 THE STATE OF MICHIGAN  
 and

NAME & ADDRESS OF CONTRACTOR	PRIMARY CONTACT	EMAIL
D & K Truck Company, Inc.  3020 Snow Rd  Lansing, MI 48917	Edward Merrill	emerrill@dktruck.com
	PHONE	VENDOR TAX ID # (LAST FOUR DIGITS ONLY)
	(517) 484-1905	0677

STATE CONTACTS	AGENCY	NAME	PHONE	EMAIL
PROGRAM MANAGER	MDOT	Scott Poyer	(517) 284-6448	poyers@michigan.gov.gov
CONTRACT ADMINISTRATOR	DTMB	Yvon Dufour	(517) 284-6996	dufoury@michigan.gov

**CONTRACT SUMMARY**

<b>DESCRIPTION:</b> Vehicles – Cab & Chassis			
INITIAL TERM	EFFECTIVE DATE	INITIAL EXPIRATION DATE	AVAILABLE OPTIONS
Five years	August 19, 2016	November 30, 2021	One, 2 year option
PAYMENT TERMS	F.O.B.	SHIPPED TO	
Net 45	Destination		
ALTERNATE PAYMENT OPTIONS			EXTENDED PURCHASING
<input type="checkbox"/> P-card <input type="checkbox"/> Direct Voucher (DV) <input type="checkbox"/> Other			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
MINIMUM DELIVERY REQUIREMENTS			
1 unit			
MISCELLANEOUS INFORMATION			
This is a Pre-Qualification Contract for the Purchase of Cab & Chassis Trucks			
ESTIMATED CONTRACT VALUE AT TIME OF EXECUTION		\$0.00	

**For the Contractor:**

\_\_\_\_\_  
**Name:**

**Contract Administrator  
D & K Truck Company, Inc.**

\_\_\_\_\_  
**Date**

**For the State:**

\_\_\_\_\_  
**Rebecca Cook,**

**Division Director, Commodities  
State of Michigan**

\_\_\_\_\_  
**Date**



# STATE OF MICHIGAN

## STANDARD CONTRACT TERMS

This STANDARD CONTRACT (“**Contract**”) is agreed to between the State of Michigan (the “**State**”) and D & K Truck Company, Inc. (“**Contractor**”), a Michigan Corporation. This Contract is effective on August 19, 2016 (“**Effective Date**”), and unless terminated, expires on November 30, 2021.

This Contract may be renewed for up to two additional one-year period(s). Renewal must be by written agreement of the parties and will automatically extend the Term of this Contract.

The parties agree as follows:

1. **Duties of Contractor.** Contractor must perform the services and provide the deliverables described in **Schedule A – Statement of Work** (the “**Contract Activities**”). An obligation to provide delivery of any commodity is considered a service and is a Contract Activity.

Contractor must furnish all labor, equipment, materials, and supplies necessary for the performance of the Contract Activities, and meet operational standards, unless otherwise specified in Schedule A.

Contractor must: (a) perform the Contract Activities in a timely, professional, safe, and workmanlike manner consistent with standards in the trade, profession, or industry; (b) meet or exceed the performance and operational standards, and specifications of the Contract; (c) provide all Contract Activities in good quality, with no material defects; (d) not interfere with the State’s operations; (e) obtain and maintain all necessary licenses, permits or other authorizations necessary for the performance of the Contract; (f) cooperate with the State, including the State’s quality assurance personnel, and any third party to achieve the objectives of the Contract; (g) return to the State any State-furnished equipment or other resources in the same condition as when provided when no longer required for the Contract; (h) not make any media releases without prior written authorization from the State; (i) assign to the State any claims resulting from state or federal antitrust violations to the extent that those violations concern materials or services supplied by third parties toward fulfillment of the Contract; (j) comply with all State physical and IT security policies and standards which will be made available upon request; and (k) provide the State priority in performance of the Contract except as mandated by federal disaster response requirements. Any breach under this paragraph is considered a material breach.

Contractor must also be clearly identifiable while on State property by wearing identification issued by the State, and clearly identify themselves whenever making contact with the State.

2. **Notices.** All notices and other communications required or permitted under this Contract must be in writing and will be considered given and received: (a) when verified by written receipt if sent by courier; (b) when actually received if sent by mail without verification of receipt; or (c) when verified by automated receipt or electronic logs if sent by facsimile or email.

If to State:	If to Contractor:
<i>Yvon Dufour 525 W. Allegan, Constitution Hall, 1<sup>st</sup> Floor NE Lansing, MI 48933 dufour@michigan.gov (517) 284-6996</i>	Edward Merrill 3020 Snow Rd Lansing, MI 48917 emerrill@dktruck.com 517-484-1905

3. **Contract Administrator.** The Contract Administrator for each party is the only person authorized to modify any terms of this Contract, and approve and execute any change under this Contract (each a “**Contract Administrator**”):

State: Yvon Dufour 525 W. Allegan, Constitution Hall, 1 <sup>st</sup> Floor NE Lansing, MI 48933 dufoury@michigan.gov (517) 284-6996	Contractor: Edward Merrill 3020 Snow Rd Lansing, MI 48917 emerrill@dktruck.com 517-484-1905
--	--

4. **Program Manager.** The Program Manager for each party will monitor and coordinate the day-to-day activities of the Contract (each a “**Program Manager**”):

State: Scott Poyer poyers@michigan.gov (517) 284-6448	Contractor: Edward Merrill 3020 Snow Rd Lansing, MI 48917 emerrill@dktruck.com 517-484-1905
--	--

5. **Performance Guarantee.** Contractor must at all times have financial resources sufficient, in the opinion of the State, to ensure performance of the Contract and must provide proof upon request. The State may require a performance bond (as specified in Schedule A) if, in the opinion of the State, it will ensure performance of the Contract.
6. **Insurance Requirements.** Contractor must maintain the insurances identified below and is responsible for all deductibles. All required insurance must: (a) protect the State from claims that may arise out of, are alleged to arise out of, or result from Contractor's or a subcontractor's performance; (b) be primary and non-contributing to any comparable liability insurance (including self-insurance) carried by the State; and (c) be provided by a company with an A.M. Best rating of "A" or better, and a financial size of VII or better.

Required Limits	Additional Requirements
<b>Commercial General Liability Insurance</b>	
<u>Minimal Limits:</u> \$1,000,000 Each Occurrence Limit \$1,000,000 Personal & Advertising Injury Limit \$2,000,000 General Aggregate Limit \$2,000,000 Products/Completed Operations  <u>Deductible Maximum:</u> \$50,000 Each Occurrence	Contractor must have their policy endorsed to add “the State of Michigan, its departments, divisions, agencies, offices, commissions, officers, employees, and agents” as additional insureds using endorsement CG 20 10 11 85, or both CG 2010 07 04 and CG 2037 07 0.
<b>Umbrella or Excess Liability Insurance</b>	
<u>Minimal Limits:</u> \$5,000,000 General Aggregate	Contractor must have their policy endorsed to add “the State of Michigan, its departments, divisions, agencies, offices, commissions, officers, employees, and agents” as additional insureds.
<b>Automobile Liability Insurance</b>	
<u>Minimal Limits:</u> \$1,000,000 Per Occurrence	Contractor must have their policy: (1) endorsed to add “the State of Michigan, its departments, divisions, agencies, offices, commissions, officers, employees, and agents” as additional insureds; and (2) include Hired and Non-Owned Automobile coverage.
<b>Workers' Compensation Insurance</b>	

<u>Minimal Limits:</u> Coverage according to applicable laws governing work activities.	Waiver of subrogation, except where waiver is prohibited by law.
<b>Employers Liability Insurance</b>	
<u>Minimal Limits:</u> \$500,000 Each Accident \$500,000 Each Employee by Disease \$500,000 Aggregate Disease.	

If any of the required policies provide **claims-made** coverage, the Contractor must: (a) provide coverage with a retroactive date before the effective date of the contract or the beginning of Contract Activities; (b) maintain coverage and provide evidence of coverage for at least three (3) years after completion of the Contract Activities; and (c) if coverage is canceled or not renewed, and not replaced with another claims-made policy form with a retroactive date prior to the contract effective date, Contractor must purchase extended reporting coverage for a minimum of three (3) years after completion of work.

Contractor must: (a) provide insurance certificates to the Contract Administrator, containing the agreement or purchase order number, at Contract formation and within 20 calendar days of the expiration date of the applicable policies; (b) require that subcontractors maintain the required insurances contained in this Section; (c) notify the Contract Administrator within 5 business days if any insurance is cancelled; and (d) waive all rights against the State for damages covered by insurance. Failure to maintain the required insurance does not limit this waiver.

This Section is not intended to and is not be construed in any manner as waiving, restricting or limiting the liability of either party for any obligations under this Contract (including any provisions hereof requiring Contractor to indemnify, defend and hold harmless the State).

7. **Administrative Fee and Reporting.** Contractor must pay an administrative fee of 1% on all payments made to Contractor under the Contract including transactions with the State (including its departments, divisions, agencies, offices, and commissions), MiDEAL members, and other states (including governmental subdivisions and authorized entities). Administrative fee payments must be made by check payable to the State of Michigan and mailed to:

Department of Technology, Management and Budget  
 Financial Services – Cashier Unit  
 Lewis Cass Building  
 320 South Walnut St.  
 P.O. Box 30681  
 Lansing, MI 48909

Contractor must submit an itemized purchasing activity report, which includes at a minimum, the name of the purchasing entity and the total dollar volume in sales. Reports should be mailed to DTMB-Procurement.

The administrative fee and purchasing activity report are due within 30 calendar days from the last day of each calendar quarter.

8. **Extended Purchasing Program.** This contract is extended to MiDEAL members. MiDEAL members include local units of government, school districts, universities, community colleges, and nonprofit hospitals. A current list of MiDEAL members is available at [www.michigan.gov/mideal](http://www.michigan.gov/mideal). Upon written agreement between the State and Contractor, this contract may also be extended to: (a) State of Michigan employees and (b) other states (including governmental subdivisions and authorized entities).

If extended, Contractor must supply all Contract Activities at the established Contract prices and terms. The State reserves the right to impose an administrative fee and negotiate additional discounts based on any increased volume generated by such extensions.

Contractor must submit invoices to, and receive payment from, extended purchasing program members on a direct and individual basis.

9. **Independent Contractor.** Contractor is an independent contractor and assumes all rights, obligations and liabilities set forth in this Contract. Contractor, its employees, and agents will not be considered employees of the State. No partnership or joint venture relationship is created by virtue of this Contract. Contractor, and not the State, is responsible for the payment of wages, benefits and taxes of Contractor's employees and any subcontractors. Prior performance does not modify Contractor's status as an independent contractor.
10. **Subcontracting.** Contractor may not delegate any of its obligations under the Contract without the prior written approval of the State. Contractor must notify the State at least 90 calendar days before the proposed delegation, and provide the State any information it requests to determine whether the delegation is in its best interest. If approved, Contractor must: (a) be the sole point of contact regarding all contractual matters, including payment and charges for all Contract Activities; (b) make all payments to the subcontractor; and (c) incorporate the terms and conditions contained in this Contract in any subcontract with a subcontractor. Contractor remains responsible for the completion of the Contract Activities, compliance with the terms of this Contract, and the acts and omissions of the subcontractor. The State, in its sole discretion, may require the replacement of any subcontractor.
11. **Staffing.** The State's Contract Administrator may require Contractor to remove or reassign personnel by providing a notice to Contractor.
12. **Background Checks.** Upon request, Contractor must perform background checks on all employees and subcontractors and its employees prior to their assignment. The scope is at the discretion of the State and documentation must be provided as requested. Contractor is responsible for all costs associated with the requested background checks. The State, in its sole discretion, may also perform background checks.
13. **Assignment.** Contractor may not assign this Contract to any other party without the prior approval of the State. Upon notice to Contractor, the State, in its sole discretion, may assign in whole or in part, its rights or responsibilities under this Contract to any other party. If the State determines that a novation of the Contract to a third party is necessary, Contractor will agree to the novation and provide all necessary documentation and signatures.
14. **Change of Control.** Contractor will notify, at least 90 calendar days before the effective date, the State of a change in Contractor's organizational structure or ownership. For purposes of this Contract, a change in control means any of the following: (a) a sale of more than 50% of Contractor's stock; (b) a sale of substantially all of Contractor's assets; (c) a change in a majority of Contractor's board members; (d) consummation of a merger or consolidation of Contractor with any other entity; (e) a change in ownership through a transaction or series of transactions; (f) or the board (or the stockholders) approves a plan of complete liquidation. A change of control does not include any consolidation or merger effected exclusively to change the domicile of Contractor, or any transaction or series of transactions principally for bona fide equity financing purposes.

In the event of a change of control, Contractor must require the successor to assume this Contract and all of its obligations under this Contract.

15. **Ordering.** Contractor is not authorized to begin performance until receipt of authorization as identified in Schedule A.
16. **Acceptance.** Contract Activities are subject to inspection and testing by the State within 30 calendar days of the State's receipt of them ("**State Review Period**"), unless otherwise provided in Schedule A. If the Contract Activities are not fully accepted by the State, the State will notify Contractor by the end of the State Review Period that either: (a) the Contract Activities are accepted, but noted deficiencies must be corrected; or (b) the Contract Activities are rejected. If the State finds material deficiencies, it may: (i) reject the Contract Activities without performing any further inspections; (ii) demand performance at no additional cost; or (iii) terminate this Contract in accordance with Section 23, Termination for Cause.

Within 10 business days from the date of Contractor's receipt of notification of acceptance with deficiencies or rejection of any Contract Activities, Contractor must cure, at no additional cost, the

deficiency and deliver unequivocally acceptable Contract Activities to the State. If acceptance with deficiencies or rejection of the Contract Activities impacts the content or delivery of other non-completed Contract Activities, the parties' respective Program Managers must determine an agreed to number of days for re-submission that minimizes the overall impact to the Contract. However, nothing herein affects, alters, or relieves Contractor of its obligations to correct deficiencies in accordance with the time response standards set forth in this Contract.

If Contractor is unable or refuses to correct the deficiency within the time response standards set forth in this Contract, the State may cancel the order in whole or in part. The State, or a third party identified by the State, may perform the Contract Activities and recover the difference between the cost to cure and the Contract price plus an additional 10% administrative fee.

17. **Delivery.** Contractor must deliver all Contract Activities F.O.B. destination, within the State premises with transportation and handling charges paid by Contractor, unless otherwise specified in Schedule A. All containers and packaging becomes the State's exclusive property upon acceptance.
18. **Risk of Loss and Title.** Until final acceptance, title and risk of loss or damage to Contract Activities remains with Contractor. Contractor is responsible for filing, processing, and collecting all damage claims. The State will record and report to Contractor any evidence of visible damage. If the State rejects the Contract Activities, Contractor must remove them from the premises within 10 calendar days after notification of rejection. The risk of loss of rejected or non-conforming Contract Activities remains with Contractor. Rejected Contract Activities not removed by Contractor within 10 calendar days will be deemed abandoned by Contractor, and the State will have the right to dispose of it as its own property. Contractor must reimburse the State for costs and expenses incurred in storing or effecting removal or disposition of rejected Contract Activities.
19. **Warranty Period.** The warranty period, if applicable, for Contract Activities is a fixed period commencing on the date specified in Schedule A. If the Contract Activities do not function as warranted during the warranty period the State may return such non-conforming Contract Activities to the Contractor for a full refund.
20. **Terms of Payment.** Invoices must conform to the requirements communicated from time-to-time by the State. All undisputed amounts are payable within 45 days of the State's receipt. Contractor may only charge for Contract Activities performed as specified in Schedule A. Invoices must include an itemized statement of all charges. The State is exempt from State sales tax for direct purchases and may be exempt from federal excise tax, if Services purchased under this Agreement are for the State's exclusive use. Notwithstanding the foregoing, all prices are inclusive of taxes, and Contractor is responsible for all sales, use and excise taxes, and any other similar taxes, duties and charges of any kind imposed by any federal, state, or local governmental entity on any amounts payable by the State under this Contract.

The State has the right to withhold payment of any disputed amounts until the parties agree as to the validity of the disputed amount. The State will notify Contractor of any dispute within a reasonable time. Payment by the State will not constitute a waiver of any rights as to Contractor's continuing obligations, including claims for deficiencies or substandard Contract Activities. Contractor's acceptance of final payment by the State constitutes a waiver of all claims by Contractor against the State for payment under this Contract, other than those claims previously filed in writing on a timely basis and still disputed.

The State will only disburse payments under this Contract through Electronic Funds Transfer (EFT). Contractor must register with the State at <http://www.michigan.gov/cpexpress> to receive electronic fund transfer payments. If Contractor does not register, the State is not liable for failure to provide payment. Without prejudice to any other right or remedy it may have, the State reserves the right to set off at any time any amount then due and owing to it by Contractor against any amount payable by the State to Contractor under this Contract.

21. **Liquidated Damages** Liquidated damages, if applicable, will be assessed as described in Schedule A.
22. **Stop Work Order.** The State may suspend any or all activities under the Contract at any time. The State will provide Contractor a written stop work order detailing the suspension. Contractor must comply with the stop work order upon receipt. Within 90 calendar days, or any longer period agreed to by Contractor, the State will either: (a) issue a notice authorizing Contractor to resume work, or (b) terminate the Contract or purchase order. The State will not pay for Contract Activities, Contractor's lost profits, or any additional compensation during a stop work period.

- 23. Termination for Cause.** The State may terminate this Contract for cause, in whole or in part, if Contractor, as determined by the State: (a) endangers the value, integrity, or security of any location, data, or personnel; (b) becomes insolvent, petitions for bankruptcy court proceedings, or has an involuntary bankruptcy proceeding filed against it by any creditor; (c) engages in any conduct that may expose the State to liability; (d) breaches any of its material duties or obligations; or (e) fails to cure a breach within the time stated in a notice of breach. Any reference to specific breaches being material breaches within this Contract will not be construed to mean that other breaches are not material.

If the State terminates this Contract under this Section, the State will issue a termination notice specifying whether Contractor must: (a) cease performance immediately, or (b) continue to perform for a specified period. If it is later determined that Contractor was not in breach of the Contract, the termination will be deemed to have been a Termination for Convenience, effective as of the same date, and the rights and obligations of the parties will be limited to those provided in Section 24, Termination for Convenience.

The State will only pay for amounts due to Contractor for Contract Activities accepted by the State on or before the date of termination, subject to the State's right to set off any amounts owed by the Contractor for the State's reasonable costs in terminating this Contract. The Contractor must pay all reasonable costs incurred by the State in terminating this Contract for cause, including administrative costs, attorneys' fees, court costs, transition costs, and any costs the State incurs to procure the Contract Activities from other sources.

- 24. Termination for Convenience.** The State may immediately terminate this Contract in whole or in part without penalty and for any reason, including but not limited to, appropriation or budget shortfalls. The termination notice will specify whether Contractor must: (a) cease performance of the Contract Activities immediately, or (b) continue to perform the Contract Activities in accordance with Section 25, Transition Responsibilities. If the State terminates this Contract for convenience, the State will pay all reasonable costs, as determined by the State, for State approved Transition Responsibilities.

- 25. Transition Responsibilities.** Upon termination or expiration of this Contract for any reason, Contractor must, for a period of time specified by the State (not to exceed 90 calendar days), provide all reasonable transition assistance requested by the State, to allow for the expired or terminated portion of the Contract Activities to continue without interruption or adverse effect, and to facilitate the orderly transfer of such Contract Activities to the State or its designees. Such transition assistance may include, but is not limited to: (a) continuing to perform the Contract Activities at the established Contract rates; (b) taking all reasonable and necessary measures to transition performance of the work, including all applicable Contract Activities, training, equipment, software, leases, reports and other documentation, to the State or the State's designee; (c) taking all necessary and appropriate steps, or such other action as the State may direct, to preserve, maintain, protect, or return to the State all materials, data, property, and confidential information provided directly or indirectly to Contractor by any entity, agent, vendor, or employee of the State; (d) transferring title in and delivering to the State, at the State's discretion, all completed or partially completed deliverables prepared under this Contract as of the Contract termination date; and (e) preparing an accurate accounting from which the State and Contractor may reconcile all outstanding accounts (collectively, "**Transition Responsibilities**"). This Contract will automatically be extended through the end of the transition period.

- 26. General Indemnification.** Contractor must defend, indemnify and hold the State, its departments, divisions, agencies, offices, commissions, officers, and employees harmless, without limitation, from and against any and all actions, claims, losses, liabilities, damages, costs, attorney fees, and expenses (including those required to establish the right to indemnification), arising out of or relating to: (a) any breach by Contractor (or any of Contractor's employees, agents, subcontractors, or by anyone else for whose acts any of them may be liable) of any of the promises, agreements, representations, warranties, or insurance requirements contained in this Contract; (b) any infringement, misappropriation, or other violation of any intellectual property right or other right of any third party; (c) any bodily injury, death, or damage to real or tangible personal property occurring wholly or in part due to action or inaction by Contractor (or any of Contractor's employees, agents, subcontractors, or by anyone else for whose acts any of them may be liable); and (d) any acts or omissions of Contractor (or any of Contractor's employees, agents, subcontractors, or by anyone else for whose acts any of them may be liable).



The State will notify Contractor in writing if indemnification is sought; however, failure to do so will not relieve Contractor, except to the extent that Contractor is materially prejudiced. Contractor must, to the satisfaction of the State, demonstrate its financial ability to carry out these obligations.

The State is entitled to: (i) regular updates on proceeding status; (ii) participate in the defense of the proceeding; (iii) employ its own counsel; and to (iv) retain control of the defense if the State deems necessary. Contractor will not, without the State's written consent (not to be unreasonably withheld), settle, compromise, or consent to the entry of any judgment in or otherwise seek to terminate any claim, action, or proceeding. To the extent that any State employee, official, or law may be involved or challenged, the State may, at its own expense, control the defense of that portion of the claim.

Any litigation activity on behalf of the State, or any of its subdivisions under this Section, must be coordinated with the Department of Attorney General. An attorney designated to represent the State may not do so until approved by the Michigan Attorney General and appointed as a Special Assistant Attorney General.

27. **Infringement Remedies.** If, in either party's opinion, any piece of equipment, software, commodity, or service supplied by Contractor or its subcontractors, or its operation, use or reproduction, is likely to become the subject of a copyright, patent, trademark, or trade secret infringement claim, Contractor must, at its expense: (a) procure for the State the right to continue using the equipment, software, commodity, or service, or if this option is not reasonably available to Contractor, (b) replace or modify the same so that it becomes non-infringing; or (c) accept its return by the State with appropriate credits to the State against Contractor's charges and reimburse the State for any losses or costs incurred as a consequence of the State ceasing its use and returning it.
28. **Limitation of Liability.** The State is not liable for consequential, incidental, indirect, or special damages, regardless of the nature of the action.
29. **Disclosure of Litigation, or Other Proceeding.** Contractor must notify the State within 14 calendar days of receiving notice of any litigation, investigation, arbitration, or other proceeding (collectively, "**Proceeding**") involving Contractor, a subcontractor, or an officer or director of Contractor or subcontractor, that arises during the term of the Contract, including: (a) a criminal Proceeding; (b) a parole or probation Proceeding; (c) a Proceeding under the Sarbanes-Oxley Act; (d) a civil Proceeding involving: (1) a claim that might reasonably be expected to adversely affect Contractor's viability or financial stability; or (2) a governmental or public entity's claim or written allegation of fraud; or (e) a Proceeding involving any license that Contractor is required to possess in order to perform under this Contract.
30. **State Data.** All data and information provided to Contractor by or on behalf of the State, and all data and information derived therefrom, is the exclusive property of the State ("**State Data**"); this definition is to be construed as broadly as possible. Upon request, Contractor must provide to the State, or a third party designated by the State, all State Data within 10 calendar days of the request and in the format requested by the State. Contractor will assume all costs incurred in compiling and supplying State Data. No State Data may be used for any marketing purposes.
31. **Reserved.**
32. **Non-Disclosure of Confidential Information.** The parties acknowledge that each party may be exposed to or acquire communication or data of the other party that is confidential, privileged communication not intended to be disclosed to third parties. The provisions of this Section survive the termination of this Contract.
  - a. Meaning of Confidential Information. For the purposes of this Contract, the term "**Confidential Information**" means all information and documentation of a party that: (a) has been marked "confidential" or with words of similar meaning, at the time of disclosure by such party; (b) if disclosed orally or not marked "confidential" or with words of similar meaning, was subsequently summarized in writing by the disclosing party and marked "confidential" or with words of similar meaning; and, (c) should reasonably be recognized as confidential information of the disclosing party. The term "Confidential Information" does not include any information or documentation that was: (a) subject to disclosure under the Michigan Freedom of Information Act (FOIA); (b) already in the possession of the receiving party without an obligation of confidentiality; (c)

developed independently by the receiving party, as demonstrated by the receiving party, without violating the disclosing party's proprietary rights; (d) obtained from a source other than the disclosing party without an obligation of confidentiality; or, (e) publicly available when received, or thereafter became publicly available (other than through any unauthorized disclosure by, through, or on behalf of, the receiving party). For purposes of this Contract, in all cases and for all matters, State Data is deemed to be Confidential Information.

- b. Obligation of Confidentiality. The parties agree to hold all Confidential Information in strict confidence and not to copy, reproduce, sell, transfer, or otherwise dispose of, give or disclose such Confidential Information to third parties other than employees, agents, or subcontractors of a party who have a need to know in connection with this Contract or to use such Confidential Information for any purposes whatsoever other than the performance of this Contract. The parties agree to advise and require their respective employees, agents, and subcontractors of their obligations to keep all Confidential Information confidential. Disclosure to a subcontractor is permissible where: (a) use of a subcontractor is authorized under this Contract; (b) the disclosure is necessary or otherwise naturally occurs in connection with work that is within the subcontractor's responsibilities; and (c) Contractor obligates the subcontractor in a written contract to maintain the State's Confidential Information in confidence. At the State's request, any employee of Contractor or any subcontractor may be required to execute a separate agreement to be bound by the provisions of this Section.
- c. Cooperation to Prevent Disclosure of Confidential Information. Each party must use its best efforts to assist the other party in identifying and preventing any unauthorized use or disclosure of any Confidential Information. Without limiting the foregoing, each party must advise the other party immediately in the event either party learns or has reason to believe that any person who has had access to Confidential Information has violated or intends to violate the terms of this Contract and each party will cooperate with the other party in seeking injunctive or other equitable relief against any such person.
- d. Remedies for Breach of Obligation of Confidentiality. Each party acknowledges that breach of its obligation of confidentiality may give rise to irreparable injury to the other party, which damage may be inadequately compensable in the form of monetary damages. Accordingly, a party may seek and obtain injunctive relief against the breach or threatened breach of the foregoing undertakings, in addition to any other legal remedies which may be available, to include, in the case of the State, at the sole election of the State, the immediate termination, without liability to the State, of this Contract or any Statement of Work corresponding to the breach or threatened breach.
- e. Surrender of Confidential Information upon Termination. Upon termination of this Contract or a Statement of Work, in whole or in part, each party must, within 5 calendar days from the date of termination, return to the other party any and all Confidential Information received from the other party, or created or received by a party on behalf of the other party, which are in such party's possession, custody, or control; provided, however, that Contractor must return State Data to the State following the timeframe and procedure described further in this Contract. Should Contractor or the State determine that the return of any Confidential Information is not feasible, such party must destroy the Confidential Information and must certify the same in writing within 5 calendar days from the date of termination to the other party.

**33. Reserved**

**34. Reserved.**

**35. Reserved.**

**36. Records Maintenance, Inspection, Examination, and Audit.** The State or its designee may audit Contractor to verify compliance with this Contract. Contractor must retain, and provide to the State or its

designee and the auditor general upon request, all financial and accounting records related to the Contract through the term of the Contract and for 4 years after the latter of termination, expiration, or final payment under this Contract or any extension (“**Audit Period**”). If an audit, litigation, or other action involving the records is initiated before the end of the Audit Period, Contractor must retain the records until all issues are resolved.

Within 10 calendar days of providing notice, the State and its authorized representatives or designees have the right to enter and inspect Contractor's premises or any other places where Contract Activities are being performed, and examine, copy, and audit all records related to this Contract. Contractor must cooperate and provide reasonable assistance. If any financial errors are revealed, the amount in error must be reflected as a credit or debit on subsequent invoices until the amount is paid or refunded. Any remaining balance at the end of the Contract must be paid or refunded within 45 calendar days.

This Section applies to Contractor, any parent, affiliate, or subsidiary organization of Contractor, and any subcontractor that performs Contract Activities in connection with this Contract.

37. **Warranties and Representations.** Contractor represents and warrants: (a) Contractor is the owner or licensee of any Contract Activities that it licenses, sells, or develops and Contractor has the rights necessary to convey title, ownership rights, or licensed use; (b) all Contract Activities are delivered free from any security interest, lien, or encumbrance and will continue in that respect; (c) the Contract Activities will not infringe the patent, trademark, copyright, trade secret, or other proprietary rights of any third party; (d) Contractor must assign or otherwise transfer to the State or its designee any manufacturer's warranty for the Contract Activities; (e) the Contract Activities are merchantable and fit for the specific purposes identified in the Contract; (f) the Contract signatory has the authority to enter into this Contract; (g) all information furnished by Contractor in connection with the Contract fairly and accurately represents Contractor's business, properties, finances, and operations as of the dates covered by the information, and Contractor will inform the State of any material adverse changes; and (h) all information furnished and representations made in connection with the award of this Contract is true, accurate, and complete, and contains no false statements or omits any fact that would make the information misleading. A breach of this Section is considered a material breach of this Contract, which entitles the State to terminate this Contract under Section 23, Termination for Cause.
38. **Conflicts and Ethics.** Contractor will uphold high ethical standards and is prohibited from: (a) holding or acquiring an interest that would conflict with this Contract; (b) doing anything that creates an appearance of impropriety with respect to the award or performance of the Contract; (c) attempting to influence or appearing to influence any State employee by the direct or indirect offer of anything of value; or (d) paying or agreeing to pay any person, other than employees and consultants working for Contractor, any consideration contingent upon the award of the Contract. Contractor must immediately notify the State of any violation or potential violation of these standards. This Section applies to Contractor, any parent, affiliate, or subsidiary organization of Contractor, and any subcontractor that performs Contract Activities in connection with this Contract.
39. **Compliance with Laws.** Contractor must comply with all federal, state and local laws, rules and regulations.
40. **Reserved.**
41. **Reserved.**
42. **Nondiscrimination.** Under the Elliott-Larsen Civil Rights Act, 1976 PA 453, MCL 37.2101, *et seq.*, and the Persons with Disabilities Civil Rights Act, 1976 PA 220, MCL 37.1101, *et seq.*, Contractor and its subcontractors agree not to discriminate against an employee or applicant for employment with respect to hire, tenure, terms, conditions, or privileges of employment, or a matter directly or indirectly related to employment, because of race, color, religion, national origin, age, sex, height, weight, marital status, or mental or physical disability. Breach of this covenant is a material breach of this Contract.
43. **Unfair Labor Practice.** Under MCL 423.324, the State may void any Contract with a Contractor or subcontractor who appears on the Unfair Labor Practice register compiled under MCL 423.322.
44. **Governing Law.** This Contract is governed, construed, and enforced in accordance with Michigan law, excluding choice-of-law principles, and all claims relating to or arising out of this Contract are governed

by Michigan law, excluding choice-of-law principles. Any dispute arising from this Contract must be resolved in Michigan Court of Claims. Contractor consents to venue in Ingham County, and waives any objections, such as lack of personal jurisdiction or *forum non conveniens*. Contractor must appoint agents in Michigan to receive service of process.

45. **Non-Exclusivity.** Nothing contained in this Contract is intended nor will be construed as creating any requirements contract with Contractor. This Contract does not restrict the State or its agencies from acquiring similar, equal, or like Contract Activities from other sources.
46. **Force Majeure.** Neither party will be in breach of this Contract because of any failure arising from any disaster or acts of god that are beyond their control and without their fault or negligence. Each party will use commercially reasonable efforts to resume performance. Contractor will not be relieved of a breach or delay caused by its subcontractors. If immediate performance is necessary to ensure public health and safety, the State may immediately contract with a third party.
47. **Dispute Resolution.** The parties will endeavor to resolve any Contract dispute in accordance with this provision. The dispute will be referred to the parties' respective Contract Administrators or Program Managers. Such referral must include a description of the issues and all supporting documentation. The parties must submit the dispute to a senior executive if unable to resolve the dispute within 15 business days. The parties will continue performing while a dispute is being resolved, unless the dispute precludes performance. A dispute involving payment does not preclude performance.  
  
Litigation to resolve the dispute will not be instituted until after the dispute has been elevated to the parties' senior executive and either concludes that resolution is unlikely, or fails to respond within 15 business days. The parties are not prohibited from instituting formal proceedings: (a) to avoid the expiration of statute of limitations period; (b) to preserve a superior position with respect to creditors; or (c) where a party makes a determination that a temporary restraining order or other injunctive relief is the only adequate remedy. This Section does not limit the State's right to terminate the Contract.
48. **Media Releases.** News releases (including promotional literature and commercial advertisements) pertaining to the Contract or project to which it relates must not be made without prior written State approval, and then only in accordance with the explicit written instructions of the State.
49. **Website Incorporation.** The State is not bound by any content on Contractor's website unless expressly incorporated directly into this Contract.
50. **Order of Precedence.** In the event of a conflict between the terms and conditions of the Contract, the Schedules, a purchase order, or an amendment, the order of precedence is: (a) the purchase order; (b) the amendment; (c) Schedule A; (d) any other Schedules; and (e) the Contract.
51. **Severability.** If any part of this Contract is held invalid or unenforceable, by any court of competent jurisdiction, that part will be deemed deleted from this Contract and the severed part will be replaced by agreed upon language that achieves the same or similar objectives. The remaining Contract will continue in full force and effect.
52. **Waiver.** Failure to enforce any provision of this Contract will not constitute a waiver.
53. **Survival.** The provisions of this Contract that impose continuing obligations, including warranties and representations, termination, transition, insurance coverage, indemnification, and confidentiality, will survive the expiration or termination of this Contract.
54. **Entire Contract and Modification.** This Contract is the entire agreement and replaces all previous agreements between the parties for the Contract Activities. This Contract may not be amended except by signed agreement between the parties (a "**Contract Change Notice**").

# STATE OF MICHIGAN

Contract No. 071B6600119  
Vehicles – Cab & Chassis

## SCHEDULE A STATEMENT OF WORK CONTRACT ACTIVITIES

<b>Requirements</b>
<b>1. Specifications</b>
<b>1.1 The Contractor must provide the following:</b>
<p><b>A. Cab and Chassis vehicles per Schedule B - Specifications.</b></p> <p>All vehicles to be furnished hereunder shall conform to the attached specifications (Schedule B – Specifications). If equipment does not fully comply with specifications, dealers shall include a list of designated exceptions to specifications. When no statement of exception is indicated, conformance to specifications will be required. Exceptions must be registered with the item number(s) to which it applies and list the description of equipment involved. The State reserves the right to accept or reject exceptions to the specification.</p>
<p><b>B. New Equipment</b></p> <p>All vehicles must be new and of the manufacturer's current models in production at the time of order. All standard or optional equipment to be included shall be as advertised by the manufacturer (OEM) and factory installed and shall not consist of substitute or after-market equipment. Equipment not available from the factory may be dealer installed, in compliance with specifications.</p>
<p><b>C. Options</b></p> <p>The Contractor shall provide options for Cab &amp; Chassis at the lowest price available to all State Agencies, and Extended Purchasing Participants.</p>
<b>1.2 Warranties</b>
<p>All vehicles purchased on this contract will be covered at a minimum by the same manufacturer's vehicle warranty as is provided to retail customers. The Contractor will be responsible for all materials and accessories used in the vehicle, whether the same is ready made or from an outside source; and <u>this responsibility may not be</u> transferred, conveyed, assigned to any other person, company, corporation or entity without the previous written approval of the State.</p> <p>Extension of warranty and or other policy adjustments will be considered when constant maintenance is required or if replacement parts prove unsound. The State of Michigan shall expect the manufacturer to have an adequate stock of replacement parts available to service State of Michigan, and Extended Purchasing Participants vehicles, and to make delivery of all replacement parts to their dealers who may service the State of Michigan, and Extended Purchasing Participants vehicles, within a reasonable time. The prime Contractor will be required to contact the State of Michigan, and Extended Purchasing Participants within ten (10) days after receipt of a contract release or purchase order, to arrange procedures concerning the implementation of warranty claims and to designate personnel to handle claims.</p>
<b>1.3 Recall Requirements and Procedures</b>
<p>The Contractor shall notify the Program Manager (PM) or their Designee within 48 hours of a recall notice via email.</p>
<b>2. Service Levels</b>
<b>2.1 Time Frames</b>
<p>Delivery shall be within:</p> <ul style="list-style-type: none"><li>• 90-120 calendar days after receipt of the order for Cab &amp; Chassis without body equipment.</li><li>• 120-240 calendar days after receipt of order for Cab &amp; Chassis equipped with Dump, Stake, or Van Type Bodies.</li></ul>

The Contractor and the State, or Extended Purchasing Participants, may mutually agree upon alternate schedules in writing. Deviations from the agreed upon schedule exceeding seven (7) calendar days shall be subject to section 10, Invoice Credits.

## **2.2 Training**

The dealer shall provide access for State and Extended Purchasing Participants mechanics to all on-line service and repair information including service bulletins for all vehicles purchased.

The dealer shall provide access for State and Extended Purchasing Participants mechanics to service and repair training for the models purchased. Training shall be similar to the training offered to dealership mechanics. Access to all engine service and training information is available. No special considerations are necessary.

Resources include, but are not limited to:

**a) Daimler Trucks North America (DTNA) Connect which include**

- Parts Pro 6 (VIN specific part number, wiring diagrams).
- Service Pro (Major component lookup, Warranty coverage remaining).
- Service Link (Cab control diagnostics/Parameters).
- Aftermarket Resource Center online training.
- Service Solutions Collaborative Forum.
- Local Technical service representatives from the OEM (Technical Sales, Field Service) are available for in service training.
- Access to Dealership Service personnel is also available in conjunction with Factory representation.

**All resources listed above shall be at no cost to the State.**

## **2.3 Reporting**

The State reserves the right to request reports from the Contractor.

By the second Friday of every December, the Contractor must submit a report of recycled content in commodities sold in that calendar year to contact **Yvon Dufour, or DTMB Procurement Designee**.

## **2.4 Documents**

Contractor shall submit the following documents at the time of delivery:

- a) Owner's/Operator's manual for vehicle and all add-on equipment.
- b) Warranty papers for chassis, body, and additional equipment if applicable.
- c) Maintenance manual(s).

## **2.5 Meetings**

The State may request a kick-off meeting with the Contractor within thirty (30) days of the Effective Date. The State may request other meetings, as it deems appropriate.

## **3. Staffing**

### **3.1 Contractor Representative**

The Contractor shall appoint an individual, specifically assigned to State of Michigan accounts, that will respond to State inquiries regarding the Contract Activities, answering questions related to ordering and delivery, etc. (the "Contractor Representative").

Ed Merrill  
Office: 517-484-1905  
Cell: 517-749-2799  
[emerrill@dktruck.com](mailto:emerrill@dktruck.com)

The Contractor shall notify the Contract Administrator at least **30** calendar days before removing or assigning a new Contractor Representative.

### **3.2 Customer Service, Technical Support, Repairs and Maintenance Toll-Free Number**

The Contractor shall specify its toll-free number for the State to make contact with the Contractor Representative. The Contractor Representative shall be available for calls during the hours of 8 am to 5 pm EST.

**(800) 968-1905**

**3.3 Disclosure of Subcontractors**

If the Contractor intends to utilize subcontractors, the Contractor shall disclose the following:  
The legal business name; address; telephone number; a description of subcontractor's organization and the services it will provide; and information concerning subcontractor's ability to provide the Contract Activities. The relationship of the subcontractor to the Contractor.  
Whether the Contractor has a previous working experience with the subcontractor. If yes, provide the details of that previous relationship.  
A complete description of the Contract Activities that will be performed or provided by the subcontractor.  
Of the total cost, the price of the subcontractor's work.

**4. Pricing**

**4.1 Price Term**

The pre-qualified pool of Contractors shall bid annually on vehicles. Compliance with specifications and the lowest bid, shall govern award for vehicles by manufacturer, model category, and/or model groups. The State reserves the right to negotiate with one or more Contractors. Once vehicles are awarded, prices are fixed for one model year with an option to "roll-over" pricing for the next model years. "Model year" is defined as the current model year at the time of the bid release. Dealers are obligated to provide the vehicle at the bid price as long as that model year is produced. "Roll-over" pricing shall be upon mutual agreement between the State and the dealer. The State reserves the right to prohibit "roll-over" pricing for any reason. Vehicles that are not rolled over are included in the upcoming annual bid cycle.

**4.2 Price Changes**

Prices quoted are the maximum to be charged during the vehicle model year. Model year is defined as the current model year at the time of the bid release.

Dealers are obligated to provide the vehicle at the bid price as long as that model year is produced with the following exceptions:

- a) The State or Extended Purchasing Participants shall receive the benefit of any decrease in price that may occur.
- b) If changes in manufacturer standard equipment or federal regulations affect the cost of the vehicle(s) during the model year by more than one hundred-dollars (\$100), the Contractor may request a price revision to reflect the actual cost increase experienced. The request must be accompanied by evidence that the change actually affected the Contractor's cost.
- c) If the State of Michigan raises the cost of the vehicle title fees during the contract period, Contractors may request a price adjustment to reflect the actual cost increase experienced.

Changes may be either increase or decrease, and may be requested by either party. Approved changes shall be firm for the remainder of the model year, and shall take effect 30 days after authorization by Contract Change Notice. The postmark date on the Contract Release/Purchase Order shall determine prices to be charged on an order that may have been in transit prior to implementation of price revisions.

Requests for price changes shall be RECEIVED IN WRITING AT LEAST 30 DAYS PRIOR TO THEIR EFFECTIVE DATE, and are subject to written acceptance before becoming effective. In the event new prices are not acceptable, the vehicle will be added to the upcoming bid cycle making it available for all pre-qualified dealers to submit bids. The continued payment of any charges due after September 30th of any fiscal year will be subject to the availability of an appropriation for this purpose.

**5. Ordering**

**5.1 Authorizing Document**

Orders for delivery of commodities and/or services will be issued directly by the State, or Extended Purchasing Participants, through the issuance of a Purchase Order Form referencing this contract. The Contractor is asked to reference all items per section **8.1 Invoice Requirements**.

The Contractor is only authorized to sell vehicles specifically listed on their contract within the respective model year.

Any misrepresentations, such as selling of other vehicles, could be subject to the following:

- 1. Submittal of an official Vendor Performance with the State.

<p>2. Loss of award (Contractor's current awarded vehicles to be re-bid amongst other Contractors).</p> <p>3. Early removal from pre-qualification.</p>
<p><b>5.2 Order Verification</b></p> <p>The Contractor must have internal controls to verify abnormal orders and to ensure that only authorized individuals place orders.</p> <p>When an item is backordered, the Contractor shall notify the State or Extended Purchasing Participants within ten (10) business days.</p> <p>The Contractor shall provide an order confirmation within two (2) business days via email to the Designee indicated on the Purchase Order.</p> <p>The Contractor shall provide a delivery timeframe within ten (10) business days via email to the Designee indicated on the Purchase Order.</p>
<p><b>6. Delivery</b></p> <p><b>A. F.O.B. Delivered Items</b></p> <p>Prices shall be quoted "F.O.B. Delivered" with transportation charges prepaid on all orders for State of Michigan Agencies, in the vicinity of Lansing, Michigan. Other F.O.B. terms will not be accepted and may disqualify a dealer from further consideration.</p> <p><b>B. F.O.B. dealership Items</b></p> <p>Prices shall be quoted "F.O.B. Dealership" with transportation charges prepaid to the primary Contractor location on all orders for Extended Purchasing Participants. Dealers must also quote a delivery cost per mile to facilitate calculation of delivery cost to various locations within Michigan. The delivery fee per vehicle for Extended Purchasing Participants shall be a maximum of \$2.50 per mile starting at the first mile. Dealers can include a lower delivery fee than \$2.50 per mile in their bid responses. The delivery cost per mile will be added to the unit cost of the vehicle unit price quoted to determine the "Total Unit Price" for "F.O.B. Dealership" items. Mileage will be calculated based upon the "Official Michigan Department of Transportation Highway Map". Other F.O.B. terms will not be accepted and may disqualify a dealer from further consideration.</p> <p><b>C. Driver Delivery</b></p> <p>Contractors will be permitted to drive vehicles to final destinations in compliance with the "Affidavit for Driver Delivery" attached, however, the affidavit must be completed, submitted, and in the contract file within Purchasing Operations to be applicable.</p> <p>Delivery must be made between the hours of 8:00 A.M. and 4:00 P.M., Monday through Friday ONLY, excluding State Holidays. Contractors shall contact the ordering agency 48 hours prior to the scheduled delivery time and date, to obtain confirmation of staff availability.</p>
<p><b>7. Acceptance</b></p> <p><b>7.1 Acceptance and Inspection</b></p> <p>Prior to delivery, each vehicle shall be serviced and inspected by the dealer or their agent. At a minimum, this pre-delivery service and inspection shall cover the specifications listed in the State of Michigan Specifications <b>per Schedule B, Pre-Delivery Service</b>. A copy of the Contractor's inspection and <u>service check</u>, including the Contractor's and vehicle identification, check-off of service and inspection performed and the service manager's signature shall be furnished <u>with each vehicle</u> delivered. The vehicles crank case, differential and transmission shall be filled to the manufacturer's recommended capacity and the fuel tank shall have a minimum of one-fourth of a tank of fuel when the vehicle arrives at the delivery destination. The Contractor shall provide a completed odometer statement, completed RD108 application for title form, vehicle window sticker or line setting ticket, and invoice for each vehicle at the time of delivery. The vehicle shall be clean and free from defects when delivered.</p> <p>The receipt of all items from section 2.4 shall be submitted complete.</p> <p>Each unit shall have an initial fill of windshield washer solution with solvent giving winter protection.</p> <p>The receiving State Agency and Extended Purchasing Participants have been instructed to make inspection on receipt of units and to process payment documents promptly. Payment documents, however, will be delayed if the vehicle fails to comply with specification requirements.</p>
<p><b>8. Invoice and Payment</b></p>



<p><b>8.1 Invoice Requirements</b></p> <p>All invoices submitted to the State must include: (a) date; (b) contract number; (c) purchase order; (d) quantity; (e) description of the Contract Activities; (f) base vehicle unit price; (g) option unit price; (h) shipping cost (if any); and (i) total price.</p>
<p><b>8.2 MiDeal Requirements</b></p> <p>a) The Contractor must ensure that all purchasers are MiDEAL Members before extending the Contract pricing.</p> <p>b) The Contractor must submit quarterly reports of MiDEAL purchasing activities <b>(See Standard Contract Terms, section 7)</b>.</p> <p>c) To the extent that MiDEAL Members purchase Deliverable(s) under this Contract, the quantities of Deliverable(s) purchased will be included in determining the appropriate rate wherever tiered pricing based on quantity is provided.</p> <p>d) The Contractor shall submit invoices to and receive payment from MiDEAL Members on a direct and individual basis <b>(See Standard Contract Terms, section 8)</b>.</p>
<p><b>9. Additional Requirements</b></p>
<p><b>9.1 Environmental and Energy Efficient Products</b></p> <p>The Contractor shall identify any energy efficient, bio-based, or otherwise environmental friendly products used in the products to the Program Manager (PM) prior to delivery. This information must include any relevant third-party certification.</p> <p><b>The Contractor shall identify any energy efficient, bio-based, or otherwise environmental friendly products used in their products to the Program Manager (PM) 2 weeks prior to delivery.</b></p>
<p><b>9.2 Recycled Content and Recyclability</b></p> <p><b>Deliverable(s).</b> Without compromising performance or quality, the State prefers Deliverable(s) containing higher percentages of recycled materials. The Contractor must indicate an estimate of the percentage of recycled materials, if any, contained in each Deliverable:</p> <ul style="list-style-type: none"> <li>• (total estimated percentage of recovered material) 10-50 %</li> <li>• (estimated percentage of post-consumer material) 10-40 %</li> <li>• (estimated percentage of post-industrial waste) 10-30 %</li> </ul>
<p><b>9.3 Hazardous Chemical Identification</b></p> <p>In accordance with the federal Emergency Planning and Community Right-to-Know Act, 42 USC 11001, <i>et seq.</i>, as amended, the Contractor must provide a Safety Data Sheet listing any hazardous chemicals, as defined in 40 CFR §370.2, to be delivered. Each hazardous chemical must be properly identified, including any applicable identification number, such as a National Stock Number or Special Item Number.</p> <p><b>The Contractor shall provide all current SDS to the Program Manager (PM) 2 weeks prior to delivery.</b></p>
<p><b>9.4 Mercury Content</b></p> <p>Pursuant to MCL 18.1261d, mercury-free products must be procured when possible. The Contractor must explain if it intends to provide products containing mercury, the amount or concentration of mercury, and whether cost competitive alternatives exist. If a cost competitive alternative does exist, the Contractor must provide justification as to why the particular product is essential. All products containing mercury must be labeled as containing mercury.</p> <p><b>The Contractor shall report if it intends to provide products containing mercury to the Program Manager (PM) no later than 48 hours after a purchase order is issued.</b></p>
<p><b>9.5 Brominated Flame Retardants</b></p> <p>The State prefers to purchase products that do not contain brominated flame-retardants (BFRs) whenever possible.</p> <p><b>The Contractor must disclose to the Program Manager (PM) whether their products contain BFRs no later than 48 hours after a purchase order is issued.</b></p>
<p><b>10. Invoice Credits</b></p>

Late or improper completion of the Contract Activities will cause loss and damage to the State and Extending Purchasing Participants and it would be impracticable and extremely difficult to fix the actual damage sustained by the State and/or Extending Purchasing Participants. Therefore, if there is late or improper completion of the Contract Activities, the State, and the Extended Purchasing Participants are entitled to collect invoice credits for 2/10<sup>th</sup> of 1% of the Purchase Order for each day the Contractor fails to remedy the late or improper completion of the Work.

**11. Liquidated Damages**

Unauthorized Removal of Key Personnel will interfere with the timely and proper completion of the Contract, to the loss and damage of the State, and it would be impracticable and extremely difficult to fix the actual damage sustained by the State. Therefore, the State may assess liquidated damages against Contractor as specified below.

The State is entitled to collect \$500 per individual per day for the removal of any Key Personnel without prior approval of the State.

The State is entitled to collect \$500 per individual per day for an unapproved or untrained key personnel replacement.



## **SCHEDULE B SPECIFICATION INFORMATION**

### **Cab & Chassis**



**THESE SPECIFICATIONS ARE APPLICABLE TO MODEL  
YEARS 2016 - 2023 UNLESS OTHERWISE SPECIFIED.**

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<b>3905-0008H-T50D</b>	HYBRID VEHICLES: HEAVY DUTY TRUCK, CAB AND CHASSIS, DIESEL (G.V.W.R. 23,500 lbs., min.)
<b>3905-0012-CBPEA</b>	HYBRID VEHICLES: Stripped Chassis, Parallel Hybrid Electric Drive, 158" wheelbase, 14,000 lbs. min GVWR
<b>3905-0012-CBPEB</b>	HYBRID VEHICLES: Stripped Chassis, Parallel Hybrid Electric Drive, 176" Wheelbase, 14,000 lbs. min GVWR
<b>3958--0096D</b>	MEDIUM DUTY TRUCK 4X4: CAB AND CHASSIS, (G.V.W.R. 25,950 lbs., min.), DIESEL, (Body & Payload-Approx. 13,000 lbs.)
<b>3958-0110</b>	HEAVY DUTY TRUCKS: CAB AND CHASSIS, (G.V.W.R. 14,500 LBS., min.)
<b>3958-0111D</b>	HEAVY DUTY TRUCKS: CAB AND CHASSIS, DUAL REAR WHEELS, DIESEL, (G.V.W.R. 14,500 LBS., min.)
<b>3958-0112</b>	HEAVY DUTY TRUCKS: CAB AND CHASSIS DUAL REAR WHEELS, (G.V.W.R. 14,500 LBS., min.)(4x4)
<b>3958-0113D</b>	HEAVY DUTY TRUCKS: CAB AND CHASSIS DUAL REAR WHEELS, DIESEL, (G.V.W.R. 14,500 LBS., min.)(4x4)
<b>3958-0114</b>	HEAVY DUTY TRUCKS: CAB AND CHASSIS, (G.V.W.R. 15,000 LBS., min.)
<b>3958-0115D</b>	HEAVY DUTY TRUCKS: CAB AND CHASSIS DUAL REAR WHEELS, DIESEL, (G.V.W.R. 15,000 LBS., min.)
<b>3958-0116</b>	HEAVY DUTY TRUCKS: CAB AND CHASSIS, (G.V.W.R. 15,000 LBS., min.)(4x4)
<b>3958-0117D</b>	HEAVY DUTY TRUCKS: CAB AND CHASSIS, DIESEL, (G.V.W.R. 15,000 LBS., min.)(4x4)
<b>3958-0134</b>	HEAVY DUTY TRUCKS: CAB AND CHASSIS, (G.V.W.R. 21,000 lbs., min.), LOW PROFILE
<b>3958-0135D</b>	HEAVY DUTY TRUCKS: CAB AND CHASSIS, DIESEL, (G.V.W.R. 23,500 lbs., min.),
<b>3958-0136D</b>	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 21,000 lbs., min.), DIESEL
<b>3958-0160D</b>	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 33,000 lbs., min.), DIESEL
<b>3958-0164D</b>	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 27,000 LBS., MIN.), DIESEL
<b>3958--0170D</b>	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 44,000 lbs., min.), 305HP DIESEL ENGINE, SINGLE AXLE, DIESEL
<b>3958-0172D</b>	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 64,000 lbs., min.) TANDEM AXLE, 370HP DIESEL ENGINE, WALKING BEAM AND SPRING SUSPENSION
<b>3958-0173D</b>	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 52,000 lbs., min.), TANDEM-Diesel Engine, (Not Intended to be equipped with an Underbody Snow Plow)
<b>3958-0178D</b>	HEAVY DUTY TRUCKS: TRACTOR: (G.C.W.R. 70,000 lbs., min.), TANDEM AXLE, DIESEL

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**GENERAL SPECIFICATIONS**

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[Receiving Procedure](#)..... p. 9

Patrol vehicle equipment options are contained within each specification contained in this document.

All vehicles must be new and of the manufacturer's current models in production at the time of delivery. All standard or optional equipment to be included shall be as advertised by the manufacturer (OEM) and factory installed and shall not consist of substitute or after market equipment. Special Edition Pricing Packages which may limit available options are not acceptable. Optional equipment not available from the factory may be dealer installed.

**The dealer's vehicle order confirmation sheet, which includes all of the standard options provided with the vehicle in accordance with the State of Michigan Specification, shall be provided at each of these steps in the process:**

- With dealers annual bid submittal to the State of Michigan**
- With original quote from the dealer to the Ordering Entity**
- Upon delivery of the vehicle from the dealer to the Ordering Entity**
- The Ordering Entity shall use as a check list when accepting the vehicle to verify all ordered options are included on the vehicle**

The dealer shall indicate on the TOP of the order confirmation sheet:

- The specification number(s) that applies

**Diesel Vehicles are indicated with a “D” at the end of the specification number.**  
**Alternative Fuel vehicles are indicated with a “A” at the end of the specification number.**

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**TRUCK EQUIPMENT (Page B)**

The items listed below are to be supplied on all trucks, even though they may be optional with the manufacturer. They have also been included in the individual specifications and are to be furnished on all vehicles:

See individual specifications for MDOT specific options.

12 Volt auxiliary outlet

Air Conditioning - All trucks.

Color-Manufacturers Standard to be selected.

Coolant System-Maximum Size Available, including the Heaviest Duty Radiator

Fuel Tanks, Diesel, with sending unit and magnetic drain plug, on all trucks over 21,000 G.V.W.R., painted Black and labeled "Diesel Fuel Only".

Hub caps on all pickups and vans up to and including 10,000 G.V.W.R. If not available from dealer cap nuts shall be furnished.

Keys-(2) sets with code numbers; shall be with vehicle at time of delivery. (Three sets for MDOT)

Mirrors All trucks are to be equipped with R.H. and L.H. outside rearview mirrors to comply with Michigan laws; all trucks up to and including 15,000 G.V.W.R. shall be equipped with inside rearview mirror. In all cases, outside R.H. & L.H. rear view mirrors shall be 34 sq.in. minimum, swing away type and provide full vision past all body installations. Mirrors shall be of stainless steel or high impact plastic construction unless denoted otherwise in individual truck specifications. All West Coast Type or Below Eye Level Camper Style Mirrors shall have stainless steel or high impact plastic heads, brackets, and hardware.

Paint codes-factory paint codes shall be furnished with all vehicles; for all after market painting both the brand and paint code shall be furnished.

Pre-delivery inspection and servicing.

Radio - AM/FM Manufacturers Standard, Factory Installed

Seats-Split Bench type, unless otherwise specified

Shock absorbers-(Heaviest Duty Available), front all trucks. Rear, up to and including 15,000 G.V.W.R.

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Spare tire, or Rim, not to be furnished unless specified. If specified, tires to be of same mfg., tread design to be same as front tires.

Speed Control, Factory Installed

Steering-Power, Tilt Wheel

Transmission-Automatic.

Jack-Furnish on trucks up to and including 12,000 G.V.W.R.

All items removed for installation of optional equipment shall be returned to the State of Michigan or the Ordering Entity.

TO BE EQUIPPED IN COMPLIANCE WITH ALL APPLICABLE FEDERAL MOTOR VEHICLE SAFETY STANDARDS AND REGULATIONS. ALL VEHICLES MUST BE EQUIPPED TO COMPLY WITH ALL REQUIREMENTS OF THE MICHIGAN MOTOR VEHICLE CODE.

**Delete: On GM vehicles, OnStar and XM radio are deleted.**

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DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET  
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**PRE-DELIVERY SERVICE**

The term "Pre-Delivery Service and Inspection" as used in State of Michigan Specifications includes the following:

1. General appearance of body both interior and exterior for completeness and quality of workmanship.
2. Lubrication and fluid levels and correcting any leaks:
  - a. Radiator
  - b. Windshield Washer
  - c. Battery
  - d. Power steering pump
  - e. Brake master cylinder
  - f. Engine oil
  - g. Transmission fluid level.
3. Mechanical operation of vehicle:
  - a. Steering gear and linkage
  - b. Suspension assembly, front and rear
  - c. Proper tire pressure to normal rated road requirements
  - d. Hood latch
  - e. Head lights, aim and adjust
  - f. Front wheel toe in and torque wheel nuts
  - g. Seat and shoulder belts operative
  - h. All locks and latches to be operative
  - i. Windshield wiper and washer to be operative
  - j. Proper adjustment to all drive belts
4. A check of all electrical operations to include: headlights, side marker lights, temperature, alternator, oil pressure lights, parking lights, stop and tail lights, directional signals, emergency flasher and parking brake lights.
5. **Miscellaneous items to be furnished:**
  - a. Manufacturers Window Sticker shall not be removed from vehicle.
  - b. Odometer Certification, vehicle window sticker, or line setting ticket, and Vehicle Curb Weight at time of delivery.
  - c. Manufacturers or Dealers Pre-Delivery Check Sheet.
  - d. Vehicle shall have a minimum of one fourth ( $\frac{1}{4}$ ) tank of Fuel when delivered.
  - e. Warranty Plate and Operators Manual(s) shall be delivered with vehicle at no cost to the State of Michigan.
  - f. Completed RD108 application for title form.
  - g. Invoice for each vehicle at the time of delivery.
  - h. Vehicle Order Confirmation Sheet.



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6. Deliveries shall be between the hours of 8 AM and 3 PM. No Weekend or Holiday Deliveries will be accepted. Forty-eight (48) hour notice required prior to delivery.

It is intended that vehicles delivered in accordance with the Michigan specifications will be complete, including mechanical details, general workmanship and appearance, and shall be delivered complete with all warranty service books and identification plate.

**Failure to adhere to specifications may be reason to delay payment.**

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**RECEIVING PROCEDURE**

It is important that all State agencies and departments carefully inspect all vehicles prior to signing the Freight Bill. If any vehicle is received in a damaged condition of component parts or accessories are missing, a notation of the discrepancy(ies) is to be made on the Freight Bill and then be signed by the driver who delivered the vehicles. A Complaint to Vendor Form should be initiated and sent to the Contractor at once noting discrepancies. Failure to note obvious deficiencies at time of delivery on the Freight Bill may place the burden of repair on the Ordering Entity

It is recommended that the following items be checked by the Ordering Entity prior to signing the Freight Bill:

1. Visually inspect exterior of vehicle for paint, body, tire, tail light, antenna, outside rear view mirror and molding damage.
2. Visually inspect under hood for the following items:
  - a. Air cleaner
  - b. Battery and caps
  - c. Radiator cap
  - d. Windshield washer container.
3. Check for cracked or broken windows.
4. Check trunk compartment for the following:
  - a. Spare tire and wheel
  - b. Jack
  - c. Wheel wrench
  - d. Four hub caps
  - e. Trunk mat.
5. Check interior of vehicle for the following items:
  - a. Owner's manual and warranty material
  - b. Cigarette lighter
  - c. Two sets of keys (Three sets for MDOT)
  - d. Make sure all seat belts are installed
  - e. Sun visors
  - f. Upholstery damage or excessive soil.

It is the responsibility of the Ordering Entity to check for any other items that could possibly have been missing in accordance with the purchase order, specification data and the dealer's vehicle order confirmation sheet.

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**SPECIFICATIONS FOR SUBCLASSES**

**3905-0008H-T50D - HYBRID VEHICLES: HEAVY DUTY TRUCK, CAB AND  
CHASSIS, DIESEL (G.V.W.R. 23,500 lbs., min.)**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Transmission: 5/6-speed

Allison w/ PTO Auto. 2000/2400/2200RDS

Ratio for minimum loaded road speed of approx. 68 mph.

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

- Alternator-120 amp. min., Reference 22SI or approved equal
- Battery Carrier: HEV, Power Electronics Carrier (Eaton) w/Hybrid, mounted under cab. Includes Cooling System, LSM behind PEC.
- Transmission/Drive Unit: Eaton-Fuller Hybrid EH-8E406A-CD 6-speed Automated Manual Transmission w/Electronic Shift Controls, Without ePTO capability. Eaton-Fuller AutoClutch DM1401, 700ft.lb torque capacity

**ADDITIONAL MDOT OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

- Alternator: 120A min capacity, pad mounted
- Transmission/Drive Unit: Eaton-Fuller Hybrid EH-8E406A-UP 6-speed Automated

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**PURCHASING OPERATIONS**

Manual Transmission w/Electronic Shift Controls, With ePTO capability. Eaton-Fuller AutoClutch DM1401, 700ft.lb torque capacity

- Battery Carrier: HEV, Power Electronics Carrier (Eaton) w/Hybrid, mounted under cab. Includes Cooling System, LSM behind PEC.
- Body Integration, Remote Power Module: Mounted under cab or on battery box; up to six-(6) outputs and inputs, 20A per channel- includes one-(1) switch pack w/latched switches.
- All other specs per MDOT requirements.

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**3905-0012-CBPEA    HYBRID VEHICLES: Stripped Chassis, Parallel Hybrid Electric Drive, 158" wheelbase, 14,000 lbs min GVWR**

MODEL - CURRENT NEW

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as "STANDARD FACTORY EQUIPPED" and are to be included on this vehicle.

- 3 Phase AC Traction Motor (Electric) and 5.4L FFV V-8 Engine (Gas/E85)
- 158" Wheelbase
- Lithium-Ion Battery

Fuel capacity-largest available from mfg.

Spare tire and wheel. Full size. Mfg. Stnd. mounting.

Wrench-wheel.

PLEASE NOTE: Speed Control is not available for this option.

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**3905-0012-CBPEB HYBRID VEHICLES: Stripped Chassis, Parallel Hybrid Electric  
Drive, 176" Wheelbase, 14,000 lbs min GVWR**

MODEL - CURRENT NEW

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as "STANDARD FACTORY EQUIPPED" and are to be included on this vehicle.

- 3 Phase AC Traction Motor (Electric) and 5.4L FFV V-8 Engine (Gas/E85)
- 176" Wheelbase
- Lithium-Ion Battery

Fuel capacity-largest available from mfg.

Spare tire and wheel. Full size. Mfg. Stnd. mounting.

Wrench-wheel.

PLEASE NOTE: Speed Control is not available for this option.

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**HEAVY DUTY TRUCKS**

**3958--0096D HEAVY DUTY TRUCK 4X4: CAB AND CHASSIS, (G.V.W.R. 25,950 lbs., min.), DIESEL, (Body & Payload-Approx. 13,000 lbs.)**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Gross H.P., min. **225**

Clutch: Heavy duty

Transmission: 5-speed syncro. with 2-speed transfer case P.T.O. opening both sides

Front Wheel Lock-out Hubs.

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as "STANDARD FACTORY EQUIPPED" and are to be included on this vehicle.

Alternator-100 amp. min., Reference 22SI or approved equal

Battery's-12 Volt; 1050 CCA, minimum.

Brakes-Full Air. Current FMVSS. Dust plates. Air dryer with spin on filter,

Automatic Drain Valves. Automatic slack adjusters, Anti-Lock.

Cab assist handles-right and left.

Fuel/Water Separator with Heater.

Fuel tanks-dual step, 50 gallon capacity each.

Heater-Engine block, 110/120 VAC

Hood, Tilt Type.

Mirrors-Rear View, Outside. L.H. and R.H. West Coast type. 6" x 16", with stainless steel or powder coated steel heads, brackets, and hardware.

Running board-To have running boards on each side, or step tanks.

Spare wheel.

Starting Aid-Cold weather, ether type or glow plug.

Steering-Power.

Tachometer.

Throttle, Electronic, High Idle Engine RPM Control.

Wheels, Hub Pilot Disc Type

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**3958-0110 HEAVY DUTY TRUCKS: CAB AND CHASSIS, (G.V.W.R. 14,500 LBS., min.)**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Transmission: Automatic: with maximum capacity transmission oil cooler, Factory installed.

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Battery-12 Volt, 600 CCA, minimum.

Mirrors-Rear View, Inside. Outside R.H. and L.H., below eye level, extended reach, swing away type, 51 sq. in., minimum.

Wrench-wheel.

**ADDITIONAL MDOT OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Axle Rear Limited slip

Keys – (1) additional set (total of 3 sets) with code numbers; shall be with the vehicle at the time of delivery.

Spare tire and wheel.

Switches, upfitter for auxillary

Throttle, Electronic, High Idle Engine RPM Control.

Towing package: Heaviest duty available from manufacturer

Trailer brake controller, factory installed

Trailer Hitch, Class III Receiver Type



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**3958-0111D HEAVY DUTY TRUCKS: CAB AND CHASSIS, DUAL REAR WHEELS,  
DIESEL, (G.V.W.R. 14,500 LBS., min.)**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Transmission: Automatic: with maximum capacity transmission oil cooler, Factory installed.

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Wrench-wheel.

**ADDITIONAL MDOT OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Axle Rear Limited slip

Keys – (1) additional set (total of 3 sets) with code numbers; shall be with the vehicle at the time of delivery.

Mirrors-Rear View, Inside. Outside R.H. and L.H., below eye level, extended reach, swing away type, 51 sq. in., minimum.

Switches, upfitter for auxillary

Throttle, Electronic, High Idle Engine RPM Control.

Towing package: Heaviest duty available from manufacturer

Trailer brake controller, factory installed

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**3958-0112 HEAVY DUTY TRUCKS: CAB AND CHASSIS DUAL REAR WHEELS,  
(G.V.W.R. 14,500 LBS., min.) (4 x 4)**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Transmission: Automatic: with maximum capacity transmission oil cooler, Factory installed.

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Wrench-wheel.

**ADDITIONAL MDOT OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Axle Rear Limited slip

Hubs autolocking on front

Keys – (1) additional set (total of 3 sets) with code numbers; shall be with the vehicle at the time of delivery.

Mirrors-Rear View, Inside. Outside R.H. and L.H., below eye level, extended reach, swing away type, 51 sq. in., minimum.

Spare tire and wheel.

Switches, upfitter for auxillary

Throttle, Electronic, High Idle Engine RPM Control.

Towing package: Heaviest duty available from manufacturer

Trailer brake controller, factory installed

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**3958-0113D HEAVY DUTY TRUCKS: CAB AND CHASSIS DUAL REAR WHEELS,  
DIESEL, (G.V.W.R. 14,500 LBS., min.) (4 x 4)**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Transmission: Automatic: with maximum capacity transmission oil cooler, Factory installed.

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed below are to be supplied on all trucks, even though they may be optional with the manufacturer. Therefore, these specifications are to be furnished on all vehicles:

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Wrench-wheel.

**ADDITIONAL MDOT OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Axle Rear Limited slip

Hubs autolocking on front

Keys – (1) additional set (total of 3 sets) with code numbers; shall be with the vehicle at the time of delivery.

Mirrors-Rear View, Inside. Outside R.H. and L.H., below eye level, extended reach, swing away type, 51 sq. in., minimum

Spare tire and wheel.

Switches, upfitter for auxillary

Throttle, Electronic, High Idle Engine RPM Control.

Towing package: Heaviest duty available from manufacturer

Trailer brake controller, factory installed

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**3958-0114 HEAVY DUTY TRUCKS: CAB AND CHASSIS, (G.V.W.R. 15,000 LBS., min.)**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Transmission: Automatic: with maximum capacity transmission oil cooler. Factory installed.

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Wrench-wheel.

**ADDITIONAL MDOT OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Axle Rear Limited slip

Hubs autolocking on front

Keys – (1) additional set (total of 3 sets) with code numbers; shall be with the vehicle at the time of delivery.

Mirrors-Rear View, Inside. Outside R.H. and L.H., below eye level, extended reach, swing away type, 51 sq. in., minimum.

Spare tire and wheel.

Switches, upfitter for auxillary

Throttle, Electronic, High Idle Engine RPM Control.

Towing package: Heaviest duty available from manufacturer

Trailer brake controller, factory installed

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**3958-0115D HEAVY DUTY TRUCKS: CAB AND CHASSIS DUAL REAR WHEELS,  
DIESEL, (G.V.W.R. 15,000 LBS., min.)**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Transmission: Automatic: with maximum capacity transmission oil cooler. Factory installed.

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Wrench-wheel.

**ADDITIONAL MDOT OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Axle Rear Limited slip

Hubs autolocking on front

Keys – (1) additional set (total of 3 sets) with code numbers; shall be with the vehicle at the time of delivery.

Mirrors-Rear View, Inside. Outside R.H. and L.H., below eye level, extended reach, swing away type, 51 sq. in., minimum.

Spare tire and wheel.

Switches, upfitter for auxillary

Throttle, Electronic, High Idle Engine RPM Control.

Tires, Truck, Tubeless, Radial, to meet G.V.W.R. Rear duals, mud and snow (Goodyear preferred)

Towing package: Heaviest duty available from manufacturer

Trailer brake controller, factory installed

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**3958-0116 HEAVY DUTY TRUCKS: CAB AND CHASSIS, (G.V.W.R. 15,000 LBS., min.) (4 x 4)**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Transmission: Automatic: with maximum capacity transmission oil cooler with P.T.O. Provision. Factory installed.

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Wrench-wheel.

**ADDITIONAL MDOT OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Axle Rear Limited slip

Hubs autolocking on front

Keys – (1) additional set (total of 3 sets) with code numbers; shall be with the vehicle at the time of delivery.

Mirrors-Rear View, Inside. Outside R.H. and L.H., below eye level, extended reach, swing away type, 51 sq. in., minimum.

Spare tire and wheel.

Switches, upfitter for auxillary

Throttle, Electronic, High Idle Engine RPM Control.

Tires, Truck, Tubeless, Radial, to meet G.V.W.R. Rear duals, mud and snow (Goodyear preferred)

Towing package: Heaviest duty available from manufacturer

Trailer brake controller, factory installed

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**3958-0117D HEAVY DUTY TRUCKS: CAB AND CHASSIS, DIESEL, (G.V.W.R. 15,000 LBS., min.) (4 x 4)**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Transmission: Automatic: with maximum capacity transmission oil cooler, Factory installed.

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Wrench-wheel.

**ADDITIONAL MDOT OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Axle rear limited slip

Hub autolocking on front

Keys – (1) additional set (total of 3 sets) with code numbers; shall be with the vehicle at the time of delivery.

- Mirrors-Rear View, Inside. Outside R.H. and L.H., below eye level, extended reach, swing away type, 51 sq. in., minimum.

Spare tire and wheel.

Switches, upfitter for auxillary

Throttle, Electronic, High Idle Engine RPM Control.

Tires, Truck, Tubeless, Radial, to meet G.V.W.R. Rear duals, mud and snow (Goodyear preferred)

Towing package: Heaviest duty available from manufacturer

Trailer brake controller, factory installed

Transmission: P.T.O. Provision

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**3958-0134 HEAVY DUTY TRUCKS: CAB AND CHASSIS, (G.V.W.R. 21,000 lbs., min.), LOW PROFILE**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Transmission: Automatic 5 or 6 speed w/ PTO  
Allison Auto. 2000/2400 Series

Ratio for minimum loaded road speed of approx. 68 mph

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as "STANDARD FACTORY EQUIPPED" and are to be included on this vehicle.

Air Conditioning-Factory Installed

Alternator-100 amp. min., Reference 22SI or approved equal

Battery(s)-12 Volt, 1,100 CCA minimum.

Cab assist handles-right and left.

Fuel Tank-50 gallon each, minimum, L.H. and R.H. Step Tanks.

Hood, Tilt.

Mirrors-Rear View, Outside. L.H. and R.H. West Coast type, 6" x 16", installed, with stainless steel or powder coated steel or composite heads, brackets, and hardware.

Shock Absorbers, Front and Rear

Switches (6), outfitter, with remote power module (MDOT only)

Throttle, Electronic, High Idle Engine RPM Control.

Wheels, Hub Pilot Disc Type



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**3958-0135 HEAVY DUTY TRUCKS: CAB AND CHASSIS DIESEL, (G.V.W.R. 21,000 lbs., min.)**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Transmission: 5/6-speed w/ PTO

Allison Auto. 2000/2200RDS Series

Ratio for minimum loaded road speed of approx. 68 mph

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Air Conditioning-Factory Installed

Alternator-100 amp. min., Reference 22SI or approved equal

Battery(s)-12 Volt, 1,100 CCA minimum.

Cab assist handles-right and left.

Fuel Tank-45 gallon each, minimum, L.H. and R.H. Step Tanks.

Hood, Tilt.

Mirrors-Rear View, Outside. L.H. and R.H. West Coast type, 6" x 16".

Shock Absorbers, Front and Rear

Switches (6), outfitter, with remote power module (MDOT only)

Throttle, Electronic, High Idle Engine RPM Control.

Wheels, Hub Pilot Disc Type

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**3958-0136D HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 23,500 lbs., min.), DIESEL**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Transmission: 5/6-speed

Allison w/ PTO Auto. 2000/2400/2200RDS

Ratio for minimum loaded road speed of approx. 68 mph.

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as "STANDARD FACTORY EQUIPPED" and are to be included on this vehicle.

Alternator-100 amp. min., Reference 22SI or approved equal

Battery(s)-12 Volt; 1,100 CCA minimum.

Brakes-Full air. Current FMVSS. Dust plates. Air dryer with spin on filter, Automatic Drain Valves. Automatic slack adjusters.

Cab assist handles-right and left.

Fuel/Water Separator with Heater.

Fuel Tanks-45 gallon each L.H. and R.H. Step tanks.

Heater-engine block, 110/120 VAC

Hood, Tilt.

Mirrors, Rear View-Outside. L.H. & R.H. West Coast Type. 6" x 16", installed, with stainless steel or powder coated steel heads, brackets, and hardware.

Shock absorbers-Front and Rear, double acting, telescopic.

Starting Aid-Cold weather, ether type or glow plug.

Switches (6), outfitter, with remote power module (MDOT only)

Throttle, Electronic, High Idle Engine RPM Control.

Wheels-Hub Piloted disc.

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**3958-0160D HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 33,000 lbs., min.), SINGLE AXLE, 300 H.P. DIESEL ENGINE**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Engine: Diesel  
Gross H.P.-300 min.

Transmission:  
6-Speed, Allison 3000RDS or 3500RDS

Ratios for minimum loaded road speed of approx. 68 mph.

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as "STANDARD FACTORY EQUIPPED" and are to be included on this vehicle.

Alternator-100 amp., minimum, Reference 22SI or approved equal.

Battery(s)-12 Volt; 1,250 CCA minimum.

Brakes-Full air. Current FMVSS. Dust plates. Air dryer with spin on filter, Automatic Drain Valves. Automatic slack adjusters.

Cab assist handles-right and left.

Engine Safety Devices-Warning light and audible alarm system activated when engine oil pressure falls below safe operating limit or when water temperature exceeds safe operating limit. Automatic engine shut-down with low oil pressure or high coolant temperature.

Frame-Resisting bending moment 1,275,200 in.-lbs., min., Single Rail Frame

Fuel Tanks-50 gallon each L.H. & R.H., center step tanks.

Fuel/Water Separator with Heater.

Heater-Engine block, 110/120 VAC

Hood, Tilt type, with Butterfly Opening.

Horns-Dual, air, Single Base, with Covers.

Mirrors, Rear View, Outside. L.H. & R.H. West Coast Type, 6" x 16", installed, with stainless

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steel, powder coated steel, or composite heads, brackets, and hardware.

Shock absorbers, Heavy Duty, Front and Rear.

Starting Aid-Cold weather, ether type or glow plug.

Switches (6), outfitter, with remote power module (MDOT only)

Throttle, Electronic, High Idle Engine RPM Control.

Wheels-Hub Piloted disc.

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**3958-0164D HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 27,000 LBS.,  
MIN.), DIESEL**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Transmission: 5/6 speed, Allison Auto, 2000/2350HS series

Axle: road speed of approx. 68 mph.

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as "STANDARD FACTORY EQUIPPED" and are to be included on this vehicle.

Alternator-100 amp., minimum, Reference 22SI or approved equal.

Battery(s)-12 Volts; 1500 CCA, Min.

Brakes-Full air. Current FMVSS. Dust plates. Air dryer with spin on filter, Automatic Drain Valves. Automatic slack adjusters.

Cab assist handles-right and left.

Exhaust (PIPE ONLY) - Vertical installation.

Fuel Tanks-L.H. and R.H. 45 (min.) gallon tanks, frame mounted.

Fuel/Water Separator with Heater.

Heater-Engine block, 110/120 VAC

Hood, Tilt.

Horns-Electric, dual.

Mirrors-Rear View, Outside. L.H. and R.H. West Coast type. 6' x 16"; installed, with stainless steel or powder coated steel heads, brackets, and hardware.

Oil Seals (wet)-front axle.

Shock absorbers, Heavy Duty, Front and Rear.

Starting Aid-Cold weather, ether type or glow plug.

Switches (6), outfitter, with remote power module (MDOT)

Throttle, Electronic, High Idle Engine RPM Control.

Wheels-Hub Piloted disc.

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Mich. Spec. # 3958-0170D

**3958--0170D HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 44,000 lbs., min.), 350 H.P. DIESEL ENGINE, SINGLE AXLE, DIESEL**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Wheelbase Approx. 186 (inches)

C.A. 112 to 114 (inches)

Axle to End of Frame 75 (inches) Engine:

Diesel

Gross H.P.-350 min.

Torque, Gross 1150 minimum

Transmission

Allison -4500RDS, wide ratio,  
6 speed, Transmission shifter to be dash  
mounted push button.

Single speed with driver controlled differential  
lock

Ratio for minimum loaded road  
speed of approx. 68 mph.

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as "STANDARD FACTORY EQUIPPED" and are to be included on this vehicle.

Air Conditioning: Factory Installed

Air Cleaner with integral snow valve and in-cab control.

Alternator-135 amp., minimum, Reference 34SI or approved equal. Air filter restriction gauge, dash mounted, Filter Minder #3781-325.

Air Horn

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Battery(s)-12 Volt, 2775 Minimum

Battery Box must be mounted 35" back of cab or under cab with a 24" ground clearance.

- Battery Cable: The negative battery cable shall be run from the batteries to the engine block. This shall be a full length cable and be 00 gauge.

Brakes-Sealed Air Brake Chambers, Full air. Effective lining area 625 square inch, minimum, cast brake shoes. Air compressor 18.7 cfm, min. Air reservoir 2,000 cubic inch, minimum.

Buzzer type low pressure continuous warning device. Air pressure gauge visible to driver.

Check valve or equivalent safety device between reservoir tank(s). Spring loaded diaphragm type rear wheel parking brake. Air dryer with spin on filter, mounted outside of frame rail.

Automatic Drain Valves. Automatic slack adjusters. Brake and electrical connections to end of frame, are to be semi-four wheel trailer connections with seven wire electrical cable, mounted on rear cross member at end of frame.

Bumper, Front; 11" x 3" x 1/4" channel, 90" straight center section and

3" beveled ends. Channel ends to be enclosed with 1/4" thick steel plate. Straight channel acceptable. Sharp corners shall be ground smooth. Bumper shall be bolted to main frame rails.

Cab assist handles-left and right, with full length external grab handles.

- Cab Interior: The cab inside length shall be at least 52.4 inches. A cab extension shall be provided as needed.

Cab mounted – Air Suspension Type.

Cab-to-end of frame-proper length to accommodate an 11 foot dump box mounted 18" back of cab. The 18" space is required for fuel tank mounting.

Cigar Lighter

Color-Orange acrylic enamel to match PPG Concept DCC605-10 or equal.

Bumper and frame to be painted black.

Crankshaft-Crankshaft shall be drilled and tapped for a Spicer driveline, opening for drive line to be under radiator.

- Dash, Ergonomic type, angled towards driver

- Defrost Duct: Shall be installed for passenger side window.

Directional Signals-Rear to be special combination, turn signal, stop and tail-lights; standard canceling type. To be furnished by truck

Contractor.

Dome Light in Cab.

Electrical Connections: Body Builders package, easily accessible to cab

Engine Air Breather-Provide a manual control (inside cab) for outside air intake.

Engine Block Heater, 120v/1500 watt with "Y" cord for fuel heater, cord to operate both

Engine Safety Devices-Warning light and audible alarm system activated when

engine oil pressure falls below safe operating limit or when water temperature exceeds safe operating limit. Automatic engine shut-down with low oil pressure or high coolant temperature.

Exhaust System: a) Shall meet "scraper mounting clearance".

Shall be vertical stack fitted with heat shield and mounted outside of frame rails to accommodate fuel tank mounting per Mich. Spec. 3958-0171: **(Tanks-Combination 80 gallon fuel tank**

**approximately 30" x 12" x 72" and 26 gallon oil reservoir approximately 30" x 12" x 17"**

**mounted 3" behind the cab and with 3" clearance to the dump body (space required**

**approximately 18 inches). Tanks are to be mounted with equal overhang from each frame**

**rail with 9" vertical clearance between bottom of tank and tops of frame rails.**

**The fuel tank is to have a sending unit and magnetic drain plug and is to be painted with Dupont Centari #4694A Holly Green.**

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**Oil Reservoir is to have an oil magnetic drain plug, lockable cap and combination level and heat gauge (Hydro-Craft #HSG-55 or equal) mounted approximately 6" from the top of reservoir to top hole in gauge. Suction line 2" shall enter tank from bottom and extend 1" upward. Return line 1¼" shall enter bottom of tank and extend 4" upward, suction and return line shall be approx. 5" apart C. to C. Reservoir is to be painted with Dupont Centari 76931-AM.**

**Fuel tank and oil reservoir are to be fabricated from #7 gauge steel, pressure tested for leaks and F.H.A. labeled.**

**Supporting frame for tanks shall be self draining and installed with metal/metal contact of framework. All straps and tanks shall be insulated against metal/metal contact.)**

Any exhaust modification necessary to meet ground clearance or any other specification requirement shall be done with manufacturer's standard parts available through regular dealer parts inventories.

Any necessary exhaust modifications shall be subject to approval by authorized state personnel. In addition to all requirements, the exhaust shall exit the right side of the engine, the muffler shall be horizontally mounted under the cab on the right side, the tail pipe shall be vertically mounted on the right side directly beside the cab. The vertical pipe shall be supported by a frame mounted bracket. The tail pipe shall not be attached to the cab.

Fan clutch-Viscous type, thermostatic control or clutch type.

Frame-Straight rail, full length channel, frame, cross section 10.866" x 3.622" x 0.433" minimum. Section Modulus at point of maximum stress (Single Rail 22.12m section modulus 2,654,400 RBM, 120,000 PSI) 15.9 minimum (120,000 psi yield strength steel). All bolts heads shall be flush with frame surface from a point 64" forward of the rear axle centerline to a point 96" forward of the rear axle centerline.

Frame-Straight through type with mfg. standard integral extension, shall extend 20" in front of grill.

- Frame Length: The frame shall extended 187 in. min. from the back of the cab. This shall provide full support of 11 Ft. Dump Body mounted 18 in. behind cab.

Fuel tank-Transport tank only.

Fuel/Water Separator with Heater.

Gauges-Voltmeter or Ammeter, oil pressure, coolant temperature, tachometer, and transmission oil temperature.

Headlights-halogen type, with dimmer included in turn signal switch.

Heater-Engine block, 110/120 VAC

Hood-Tilt type with stationary grill, with accessory hatches to check and fill fluids without tilting hood.

Hourmeter, mounted in dash or under hood. To operate only when engine is running, oil pressure activated.

Line Setting Ticket: Furnish Two (2) copies with each cab and chassis delivered.

Locks-Cab Door. Keyed the same as the ignition switch with (3) keys provided.

Mirrors-Rear View, Outside. L.H. & R.H. West Coast type, Electric Heated, Power Adjustable, Dual Axis, 6" x 16" style, with stainless steel, composite or powder coated steel heads, brackets, and hardware.



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Mud Flaps-Plain, Anti Sail Type, including Anti-Sail Hardware. (No advertising either side.) mounted behind front wheels.

- Oil Cooler, water to oil type
- Power Terminal Stud: A 12 volt power terminal shall be installed on the firewall under the hood. This shall be unfused and connection to 12 volt power at the starter solenoid with 6 gauge cable. The stud shall be 5/16 in. Diameter minimum and threaded for a standard nut. The stud shall be insulated from the firewall and have a removable insulated cover. This shall be mounted in an easily accessible position. This will be used to power lights and other electrical items installed by M-DOT.

Radio, AM/FM

Radiator-Petcock type drain fitting.

Running boards shall be furnished in addition to any concealed steps.

Scraper mounting Clearance-In the area between the rear edge of the front fender and 40" rear of the cab, there shall be a minimum of 24" of ground clearance. Minimum ground clearance shall not be exceeded with a payload of 20,000 lbs. Drive-line center bearing carrier, running boards, battery box, air tanks and exhaust system shall meet the 24" minimum ground clearance requirement.

Seats-High Back Bucket, both Driver and Passenger - Both must be Air Suspension, with adjustable Lumbar Back Support and folding arm rests.

Starting Motor: Leece Neville, MS2

Steering-Power, with tilt column.

- Switches, Twelve additional factory installed dash mounted switches for electrical equipment installed by MDOT.

Throttle, Electronic, High Idle Engine RPM Control.

- Trailer light cord socket: shall be sealed in the rear with a seven (7) wire cord.
- Vehicle Warranty: The cab and chassis furnished with this bid will be placed in service approximately 270 days after delivery. M-DOT will advise the Contractor in writing of the actual in-service dates and as part of the purchase agreement, the Contractor is to assure that the manufacturer's records reflect these in service dates.

Wheels-Rim width 12.25 DC Front, 8.25" Rear, Hub Piloted Disc, Heavy Duty Disc Type with Hand Holds

- Wheel Hubs: Front wheel hubs to be oil lubricated, clear caps with fill plugs, filled with 75W90 Synthetic Oil.

Windows-Power, both switches to be easily accessible to driver.

- Wiring, Two way radio pre-wiring
- Wiring: Dash switched for hood mounted snow plow headlights. Wiring with connectors to be coiled under hood. Snow plow headlights to be supplied and installed by M-DOT.

Warranty: To begin with date vehicle is placed in service. This will be approximately 270 days after delivery to MDOT. MDOT will advise the contractor, in writing, of the actual in-service dates and the contractor must insure that the manufacturer's records accurately reflect the service dates.

The successful bidder shall provide a minimum of eight hours training at a central M-DOT location, to M-DOT mechanics on the servicing and repair of new technology componentry, particularly electronic related.

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It shall be the Contractor's responsibility to hold a vehicle pilot inspection at his manufacturing facility and furnish adequate transportation and lodging (if required) for four (4) personnel from the State of Michigan, before production. This inspection shall be held within 120 days of award.

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**3958-0172D HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 64,000 lbs.,  
min.) TANDEM AXLE, 430 H.P. DIESEL ENGINE, WALKING BEAM  
AND SPRING SUSPENSION**

MODEL - CURRENT NEW

Wheelbase 211 (inches) min.

C.T. (inches) min,

Engine: Diesel

Gross H.P.-430 min.

No. of Cylinders: 6

Torque, Gross 1,450 min.

Transmission: 6-speed,  
Allison -4500RDS with dash mounted  
Control push button

Axle, Min. Cap.-lbs.

Front, 18,000 min.

Rear, 46,000 min.

Ratio for minimum loaded  
road speed of approx. 68 mph.  
With driver controlled differential lock

Springs, Min. Cap. at Ground

Front-lbs. each, 9,000 min.

Multileaf Type with Shock Absorbers

Rear-lbs., 46,000 min. Hendrickson

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Tires, Truck, Tubeless, Radial, To match GVWR. Front to be Highway Tread, Rear duals-Traction Drive Tread. Same Mfg. Front and Rear (Goodyear preferred)

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer (refer to page B).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as "STANDARD FACTORY EQUIPPED" and are to be included on this vehicle.

Air Conditioning: Factory Installed

Alternator-135 amp., minimum, Reference 34SI or approved equal.

Air filter restriction gauge, dash mounted, Filter Minder #3781-325.

Air Horn

Battery(s)-12 Volt, 2700 CCA, Minimum

Battery Box must be mounted 35" back of cab or under cab with a 24" ground clearance.

- Battery Cable: The negative battery cable shall be run from the batteries to the engine block. This shall be a full length cable and be 00 gauge.

Brakes-Sealed Air Brake Chambers, Full air. Effective lining area 625 square inch, minimum. compressor 18.7 cfm, min. Air reservoir 2,000 cubic inch, minimum. Buzzer type low pressure continuous warning device. Air pressure gauge visible to driver. Check valve or equivalent safety device between reservoir tank(s). Spring loaded diaphragm type rear wheel parking brake. Air dryer with spin on filter, mounted outside of frame rail. Automatic Drain Valves. Automatic slack adjusters. Brake and electrical connections to end of frame, are to be semi-four wheel trailer connections with seven wire electrical cable, mounted on rear cross member at end of frame.

Bumper, Front; 11" x 3" x 1/4" channel, 90" straight center section and 3" beveled ends. Channel ends to be enclosed with 1/4" thick steel plate. Straight channel acceptable. Sharp corners shall be ground smooth. Bumper shall be bolted to main frame rails.

- Cab assist handles-left and right. Plus full length left side external grab handles.
- Cab Interior: The cab inside length shall be at least 52.4 inches. A cab extension shall be provided as needed.

Cab mounted, Air Suspension Type.

Cab-to-end of frame-proper length to accommodate an 14 foot dump box mounted 18" back of cab. The 18" space is required for fuel tank mounting.

Cigar Lighter

Color-Orange acrylic enamel to match Dupont Centari 76931-AM.

Bumper and frame to be painted black.

Crankshaft-Crankshaft shall be drilled and tapped for a spicer driveline, opening for drive line to be under radiator.

- Dash, Ergonomic type, angled towards driver
- Defrost Duct: Shall be installed for passenger side window.

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DEF Tank 7 Gallon (May Be Required. Subject to MDOT Custom Requirements).

Directional Signals-Rear to be special combination, turn signal, stop and taillights; standard canceling type. To be furnished by truck Contractor.

Dome Light in Cab.

Engine Air Breather-Provide a manual control (inside cab) for outside air intake.

Engine Block Heater, 120v/1500 watt with "Y" cord for fuel heater, cord to operate both Electrical Connections; Body Builders Package easily accessible to cab.

Body builder wiring to be standard back of cab at left frame including sealed connectors for tail/amber turn/marker/backup/accessory power/ ground and stop/turn

Engine Safety Devices-Warning light and audible alarm system activated when engine oil pressure falls below safe operating limit or when water temperature exceeds safe operating limit. Automatic engine shut-down with low oil pressure or high coolant temperature.

Exhaust System: a) Shall meet "scraper mounting clearance".

Shall be vertical stack fitted with heat shield and mounted outside of frame rails to accommodate fuel tank mounting per Mich. Spec. 3958-0171.

Any exhaust modification necessary to meet ground clearance or any other specification requirement shall be done with manufacturer's standard parts available through regular dealer parts inventories.

Any necessary exhaust modifications shall be subject to approval by authorized state personnel.

In addition to all requirements, the exhaust shall exit the right side of the engine, the muffler shall be horizontally mounted under the cab on the right side, the tail pipe shall be vertically mounted on the right side directly beside the cab. The vertical pipe shall be supported by a frame mounted bracket. The tail pipe shall not be attached to the cab.

Fan clutch-Viscous type, thermostatic control or clutch type.

Frame-Straight rail, full length channel, frame cross section 10.866" x 3.622" x 0.433" at point of maximum stress Single Rail 22.125m, 2,654,400 RBM, 120,000 PSI. All bolts heads shall be flush with frame surface from a point 64" forward of the rear axle centerline to a point 96" forward of the rear axle centerline.

Frame-Straight through type with mfg. standard integral extension, shall extend 20" in front of grill.

Frame Length: The frame shall extend 213 in. min. from the back of the cab. This shall provide full support of 14 Ft. Dump Body mounted 18 in. behind cab.

Fuel tank-Transport tank only.

Fuel/Water Separator with Heater. Davco Fuel Pro #382 #382040

Gauges-Voltmeter or Ammeter, oil pressure, coolant temperature, tachometer, and transmission oil temperature.

Headlights-halogen type, with dimmer included in turn signal switch.

Heater-Engine block, 110/120 VAC

Hood-Tilt type with stationary grill, with accessory hatches to check and fill fluids without tilting hood.

Hourmeter, mounted in dash or under hood. To operate only when engine is running.

Locking Differentials with power divider.

Locks-Cab Door. Keyed the same as ignition – furnish (3) keys

Line Setting Ticket: Furnish Two (2) copies with each cab and chassis delivered.

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Mirrors-Rear View, Outside. L.H. & R.H. West Coast type, 6" x 16" style, Electric Heated, Power Adjustable, Dual Axis, with stainless steel, composite or powder coated steel heads, brackets, and hardware.

Mud Flaps-Plain, Anti Sail Type, including Anti-Sail Hardware. (No advertising either side.) mounted behind front wheels.

Oil Sampling Valve.

Oil Cooler: Water to oil type

Power Terminal Stud: A 12 volt power terminal shall be installed on the firewall under the hood. This shall be unfused and connection to 12 volt power at the starter solenoid with 6 gauge cable. The stud shall be 5/16 in. Diameter minimum and threaded for a standard nut. The stud shall be insulated from the firewall and have a removable insulated cover. This shall be mounted in an easily accessible position. This will be used to power lights and other electrical items installed by M-DOT.

Radiator-Petcock type drain fitting.

Running boards shall be furnished in addition to any concealed steps.

Scraper mounting Clearance-In the area between the rear edge of the front fender and 40" rear of the cab, there shall be a minimum of 24" of ground clearance. Minimum ground clearance shall not be exceeded with a payload of 20,000 lbs. Drive-line center bearing carrier, running boards, battery box, air tanks and exhaust system shall meet the 24" minimum ground clearance requirement.

Seats-High Back Bucket, both Driver and Passenger - Air Suspension, with adjustable Lumbar Back Support and folding arm rests.

Starting Motor: Leece Neville, MS2

Steering-Power, with tilt column.

Switches, Twelve additional factory installed dash mounted switches for electrical equipment installed by MDOT.

Synthetic Lube in Rear Differentials.

Throttle, Electronic, High Idle Engine RPM Control.

Trailer light cord socket: shall be sealed in the rear with a seven (7) wire cord. Single wires in a split loom will not be acceptable.

Vehicle Warranty: The cab and chassis furnished with this bid will be placed in service approximately 270 days after delivery. M-DOT will advise the Contractor in writing of the actual in-service dates and as part of the purchase agreement, the Contractor is to assure that the manufacturer's records reflect these in service dates.

Wheels-Rim width 12.25" DC Front, 8.25" Rear, Hub Piloted Disc, Heavy Duty Disc Type with Hand Holds

Wheel Hubs: Front wheel hubs to be oil lubricated, clear caps with fill plugs, filled with 75W90 Synthetic Oil.

Windows-Power, both switches to be easily accessible to driver.

Wiring, Two way radio pre-wiring

Wiring: Dash switched for hood mounted snow plow headlights. Wiring with connectors to be coiled under hood. Snow plow headlights to be supplied and installed by M-DOT.

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Warranty: To begin with date vehicle is placed in service. This will be approximately 270 days after delivery to MDOT. MDOT will advise the contractor, in writing, of the actual in-service dates and the contractor must insure that the manufacturer's records accurately reflect the service dates.

The successful bidder shall provide a minimum of eight hours training at a central M-DOT location, to M-DOT mechanics on the servicing and repair of new technology componentry, particularly electronic related.

It shall be the Contractor's responsibility to hold a vehicle pilot inspection at his manufacturing facility and furnish adequate transportation and lodging (if required) for four (4) personnel from the State of Michigan, before production. This inspection shall be held within 120 days of award.

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**3958-0173D HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 52,000 lbs., min.), TANDEM-Diesel Engine, (Not Intended to be equipped with an Underbody Snow Plow)**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Transmission: 6-speed,  
Allison –4500RDS with dash mounted  
Control push button  
Axle: Ratio for minimum loaded  
road speed of approx. 68 mph.

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Alternator-130 amp., minimum, Reference 34SI or approved equal.  
Arm Rests-R.H. and L.H.  
Battery(s)-12 Volt; 1500 CCA minimum  
Brakes-Full air. Current FMVSS. Spring set rear wheel parking brake. Air reserve tank.  
Low air pressure buzzer, 12 cfm compressor. Air dryer with spin on filter, Automatic Drain Valves. Dust plates. Automatic slacks adjusters. Brake and electrical connections to end of frame, are to be semi four wheel trailer connections with 7 wire electrical cable, mounted on rear cross member at end of frame. Provide male and female connectors, loose in cab.  
Cab assist handles-right and left.  
Engine Safety Devices-Warning light and audible alarm system activated when engine oil pressure falls below safe operating limit or when water temperature exceeds safe operating limit. Automatic engine shut-down with low oil pressure or high coolant temperature.  
Fan Clutch-Thermostatic viscous type or clutch type.  
Frame-Resisting bending moment 2,654,000 in-lb., min.  
Fuel/Water Separator with Heater.  
Fuel tanks-50 gal. each step tanks, R.H. and L.H.  
Heater-Engine block, 110/120 VAC



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Mich. Spec. # 3958-0173D

Hood, Tilt.

Horns air.

Mirrors-Rear View, Outside. L.H. & R.H. West Coast Type, 6" x 16". Installed with stainless steel or powder coated steel heads, brackets, and hardware.

Seats-Air suspension, driver and conventional passenger.

Starting Aid-Cold weather, ether type or glow plug.

Steering-Power.

Switches (6), outfitter, with remote power module (MDOT)

Tachometer.

Throttle, Electronic, High Idle Engine RPM Control.

Tow Hooks- Front, Mfg. Std. Turn Signals-Double face.

Wheels-rim width 22.5"X8.25", Hub Piloted Disc, Heavy Duty Disc Type with Hand Holds

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**3958-0178D HEAVY DUTY TRUCKS: TRACTOR: (G.C.W.R. 70,000 lbs., min.),  
TANDEM AXLE, DIESEL**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Axle: (Air power divider control, air shift, dash board indicating light)  
Ratio for minimum loaded road speed of approx. 68 mph.

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as "STANDARD FACTORY EQUIPPED" and are to be included on this vehicle.

Air Conditioning

Alternator-130 amp., minimum, Reference 34SI or approved equal.

Battery(s)-12 Volt; 1,875 CCA minimum.

Brakes-Full air. Current FMVSS. Semi-Trailer connections with breakaway Valve. Dust plates.

Air dryer with spin on filter, Automatic Drain Valves. Automatic Slack Adjusters. Cab assist handles-right and left.

Catwalk-Provide grip strut metal catwalk behind cab, full width of frame and approx. 36 inches wide.

Exhaust-Vertical with 90° elbow at top, 12'-10" maximum height.

Fenders-front quarter, rubber or plastic.

Fifth wheel-Air slide with tapered frame and kick plate. 36" track.

Fuel Tanks-R.H. & L.H. step tanks, 150 gallon, min. total capacity.

Fuel/Water Separator with Heater.

Gauges-Voltmeter and oil pressure.

Glass-Tinted all around.

Heater-Engine block, 110/120 VAC

Hood, Tilt.

Horns-Dual, air.

Jumper Light Cord and Hose Mounted on back of cab. Light cord to be equipped with 7-way plug.

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PURCHASING OPERATIONS**

Mich. Spec. #            3958-0178D

Mirrors-Rear View, Outside. L.H. & R.H. West Coast Type, 6" x 16", Installed with stainless steel or powder coated steel heads, brackets, and hardware.

Mud Flaps-Plain, Anti Sail Type, including Anti-Sail Hardware. (No advertising either side.) Oil seals (wet) - front and rear axle

Radiator fan-Viscous drive or clutch type.

Seats-air suspension, cloth, high back.

Silicon hoses-heater and radiator.

Starting Aid-Cold weather, Ether type.

Steering-Power.

Switches (6), outfitter, with remote power module (MDOT) Tachometer.

Tow Hooks-front, frame mounted.

Wheels-Hub Piloted disc .

Schedule C

**AFFIDAVIT FOR DRIVER DELIVERY**  
**Cab & Chassis**

Vehicles may be driven to the final delivery destination if the following conditions are met:

1. The drivers of the vehicles are correctly licensed and trained in proper vehicle operation.
2. The contractor accepts all responsibility and liability for vehicles in transit.
3. The requesting contractor should sign the affidavit below and submit this with the bid.

The contractor accepts all responsibility and liability for vehicles in transit and guarantees the vehicles shall be transported in a safe, proper, and efficient manner.

I understand that the State may cancel approval of this affidavit at any time during the contract if the contractor fails to meet the above obligations.

\_\_\_\_\_ *Edward Merrill* \_\_\_\_\_ 4-11-16 \_\_\_\_\_  
Signed Date

\_\_\_\_\_ Sales ESOP \_\_\_\_\_  
Title

\_\_\_\_\_ D & K Truck Company \_\_\_\_\_  
Contractor