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**VILLAGE OF SUGAR GROVE  
BOARD REPORT**

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**TO:** VILLAGE PRESIDENT & BOARD OF TRUSTEES  
**FROM:** BRAD MERKEL, DIRECTOR OF PUBLIC WORKS  
**SUBJECT:** RESOLUTION: APPROVING PURCHASE OF REPLACEMENT TANDEM AXLE TRUCK  
**AGENDA:** JUNE 6, 2023 REGULAR BOARD MEETING  
**DATE:** MAY 22, 2023

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**ISSUE**

Should the Village Board approve the purchase of a replacement tandem axle truck.

**DISCUSSION**

The Fiscal Year Ending 2024 budget includes funds to purchase the replacement Plow Truck for Public Works. Due to the extended delivery times staff is requesting authorization to order the truck chassis at this time. The body equipment, plow and spreader will be brought back before the Village Board at a later date due to the unknown delivery time frame of the actual truck chassis. The estimated cost of the body equipment is \$150,000

The current 2008 International tandem axle truck will be declared surplus and sold via online auction with an estimated value of \$35,000.

The replacement truck will be purchased through the IDOT joint purchasing program from CIT Group Inc. The cost of the replacement plow truck is \$173,688.00. Staff recommends the Village Board waive the competitive bid process and approve the purchase of the replacement tandem axle truck from CIT Group, Inc.

**COST**

The cost of the Replacement Tandem Axle Truck Chassis is \$173,688.00. FYE 2023 budget includes \$224,796 for the replacement truck purchase. The estimated total purchase price including the trade in value is estimated at \$288,688.00. The purchase would be made from the Water Fund, account number 50-71-7006: Automotive Equipment.

**RECOMMENDATION**

That the Village Board waives the bidding process and approve **Resolution # 20230666PW2** authorizing the purchase of one Mack Tandem Axle Truck Chassis in the not to exceed amount of \$173,688.00 from the CIT Group Inc.



RESOLUTION NO. 20230606PW2

**VILLAGE OF SUGAR GROVE, KANE COUNTY, ILLINOIS**

**RESOLUTION AUTHORIZING PURCHASE OF A REPLACEMENT TANDEM AXLE TRUCK FROM CIT TRUCKS.**

**WHEREAS**, the Village of Sugar Grove Board of Trustees find that it is in the best interest of the Village to engage the services of CIT Trucks for the purchase of a replacement Tandem Axle Truck and to trade in a 2008 International Tandem Axle Truck as the property is found as “no longer necessary or useful” to the Village and authorize staff to trade-in the vehicles pursuant to 65 ILCS 5/ 11-76-4(c). and to execute an agreement;

**NOW, THEREFORE, BE IT RESOLVED** by the President and Board of Trustees of the Village of Sugar Grove, Kane County, Illinois, as follows:

The President and Clerk are hereby authorized to execute said agreement on behalf of the Village and to take such further actions as are necessary to fulfill the terms of said agreement.

Passed by the President and Board of Trustees of the Village of Sugar Grove, Kane County, Illinois, at a regular meeting thereof held on the 6th day of June, 2023.

\_\_\_\_\_  
Jennifer Konen, President of the Board  
of Trustees of the Village of Sugar Grove,  
Kane County, Illinois

ATTEST: \_\_\_\_\_  
Alison Murphy, Clerk  
Village of Sugar Grove

	Aye	Nay	Absent	Abstain
Trustee Matthew Bonnie	_____	_____	_____	_____
Trustee Sean Herron	_____	_____	_____	_____
Trustee Heidi Lendi	_____	_____	_____	_____
Trustee Sean Micheals	_____	_____	_____	_____
Trustee Michael Schomas	_____	_____	_____	_____
Trustee James F. White	_____	_____	_____	_____
President Jennifer Konen	_____	_____	_____	_____





## ADDITIONAL TERMS AND CONDITIONS

1. AS USED IN THIS ORDER THE TERMS (A) "DEALER" SHALL MEAN THE AUTHORIZED DEALER TO WHOM THIS ORDER IS ADDRESSED AND WHO SHALL BECOME A PARTY HERETO BY ITS ACCEPTANCE HEREOF, (B) "PURCHASER" SHALL MEAN THE PARTY EXECUTING THIS ORDER SUCH ON THE FACE HEREOF, AND (C) "MANUFACTURER" SHALL MEAN THE CORPORATION THAT MANUFACTURED THE VEHICLE OR CHASSIS, IT BEING UNDERSTOOD BY PURCHASER AND DEALER THAT DEALER IS IN NO RESPECT THE AGENT OF MANUFACTURER, THAT DEALER AND PURCHASER ARE THE SOLE PARTIES TO THIS ORDER AND THAT REFERENCE TO MANUFACTURER HEREIN IS FOR THE PURPOSE OF EXPLAINING GENERALLY CERTAIN CONTRACTUAL RELATIONSHIPS EXISTING BETWEEN DEALER AND MANUFACTURER WITH RESPECT TO NEW MOTOR VEHICLES.
  2. PURCHASE AGREES TO DELIVER TO DEALER SATISFACTORY EVIDENCE OF TITLE TO ANY USED MOTOR VEHICLE TRADED IN AS A PART OF THE CONSIDERATION FOR THE MOTOR VEHICLE ORDERED HEREUNDER OF THE TIME OF DELIVERY OF SUCH USED MOTOR VEHICLE TO DEALER. PURCHASER WARRANTS ANY SUCH USED MOTOR VEHICLE TO BE HIS PROPERTY FREE AND CLEAR OF ALL LIENS AND ENCUMBRANCES EXCEPT AS OTHERWISE NOTED HEREIN.
  3. MANUFACTURER HAS RESERVED THE RIGHT TO CHANGE THE DESIGN OF ANY NEW MOTOR VEHICLE, CHASSIS, ACCESSORIES OR PARTS THEREOF AT ANY TIME WITHOUT NOTICE AND WITHOUT OBLIGATION TO MAKE THE SAME OR ANY SIMILAR CHANGE UPON ANY MOTOR VEHICLE, CHASSIS, ACCESSORIES OR PARTS THERE OF PREVIOUSLY PURCHASED BY OR SHIPPED TO DEALER OR BEING MANUFACTURED OR SOLD IN ACCORDANCE WITH DEALER'S ORDERS CORRESPONDINGLY, THE EVENT OF ANY SUCH CHANGE BY MANUFACTURER, DEALER SHALL HAVE NO OBLIGATION TO PURCHASER TO TAKE THE SAME OR ANY SIMILAR CHANGE IN ANY MOTOR VEHICLE, CHASSIS, ACCESSORIES OR PARTS THEREOF COVERED BY THIS ORDER EITHER BEFORE OR SUBSEQUENT TO DELIVERY THEREOF TO PURCHASER.
  4. DEALER SHALL NOT BE LIABLE FOR FAILURE TO DELIVER OR DELAY IN DELIVERING THE MOTOR VEHICLE COVERED BY THIS ORDER WHERE SUCH FAILURE OR DELAY IS DUE, IN WHOLE OR IN PART, TO ANY CAUSE BEYOND THE CONTROL OF WITHOUT THE FAULT OF NEGLIGENCE OF DEALER.
  5. THE PRICE FOR THE MOTOR VEHICLE SPECIFIED ON THE FACE OF THIS ORDER INCLUDES REIMBURSEMENT FOR FEDERAL EXCISE TAXES, BUT DOES NOT INCLUDE SALES TAXES, USE TAXES OR OCCUPATIONAL TAXES BASED ON SALES VOLUME, (FEDERAL, STATE, OR LOCAL) UNLESS EXPRESSLY SO STATED. PURCHASER ASSUMES AND AGREES TO PAY, UNLESS PROHIBITED BY LAW, ANY SUCH SALES, USE OR OCCUPATIONAL TAXES IMPOSED ON OR APPLICABLE TO THE TRANSACTION COVERED BY THIS ORDER, REGARDLESS OF WHICH PARTY MAY HAVE PRIMARY TAX LIABILITY THEREFORE.
  6. FACTORY WARRANTY: ANY WARRANTY ON ANY NEW VEHICLE OR USED VEHICLE STILL SUBJECT TO A MANUFACTURER'S WARRANTY IS THAT MADE BY THE MANUFACTURER ONLY. THE SELLER HEREBY DISCLAIMS ALL WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.
- USED VEHICLE WHETHER OR NOT SUBJECT TO MANUFACTURER'S WARRANTY:** UNLESS A SEPARATE WRITTEN INSTRUMENT SHOWING THE TERMS OF ANY DEALER WARRANTY OR SERVICE CONTRACT IF FURNISHED BY DEALER TO BUYER. THIS VEHICLE IS SOLD "AS IS - NOT EXPRESSLY WARRANTED OR GUARANTEED" **AND** THE SELLER HEREBY DISCLAIMS ALL WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.
7. PURCHASER SHALL NOT BE ENTITLED TO RECOVER FROM DEALER ANY CONSEQUENTIAL DAMAGES, DAMAGES TO PROPERTY, DAMAGES FOR LOSS OF USE, LOSS OF TIME, LOSS OF PROFITS, OR INCOME, OR ANY OTHER INCIDENTAL DAMAGES.
  8. THE PURCHASER, BEFORE OR AT THE TIME OF DELIVERY OF THE MOTOR VEHICLE COVERED BY THIS ORDER WILL EXECUTE SUCH FORMS OF AGREEMENT OR DOCUMENTS AS MAY BE REQUIRED BY THE TERMS AND CONDITIONS OF PAYMENT INDICATED ON THE FRONT OF THIS ORDER.

# TECHNICAL SPECIFICATION

## GRANITE 64BR



				WEIGHT (LB)		LIST PRICE USD
APPLICATION PACKAGES		DESCRIPTION		FRONT	REAR	
	MPK01K	CHASSIS CONFIGURATION PACKAGE	A LA CARTE PACKAGE FOR SELECTION OF NON-ENGINEERED OPTIONS	0	0	525
S	MBP02P	BODY BUILDER PACKAGE	WITHOUT BODY BUILDER PKG	0	0	0

				WEIGHT (LB)		LIST PRICE USD
CUSTOMER/VEHICLE INFO		DESCRIPTION		FRONT	REAR	
S	002EO2	CHASSIS (BASE MODEL)	GRANITE 64BR	4,857	1,848	0
S	99X93X	ASSEMBLY PLANT	Made in Macungie, PA USA	0	0	0
	MP2002	CUSTOMER FLEET SIZE	REGIONAL FLEET 25 OR MORE VEHICLES IN OWN FLEET OF ANY VEHICLE BRAND	0	0	0
S	013001	TYPE OF SERVICE	COMMERCIAL	0	0	0
S	M98018	WARRANTY REGISTRATION LOCATION	USA - WARRANTY REGISTRATION LOCATION	0	0	0
	MBT01T	EMISSION WARRANTY CERTIFICATION	EPA (only) for Mack MP7 / MP8 Diesel	0	0	0
S	5050B5	INITIAL REGISTRATION LOCATION	USA REGISTRATION	0	0	0
S	534014	LANGUAGE-PUBS/DECAL/SIGNS	ENGLISH	0	0	0
S	DHX10X	ROAD CONDITION	WELL MAINTAINED SURFACED ROADS >95% DRIVING DISTANCE	0	0	0
	0050M5	VEHICLE USE & BODY/TRAILER TYPE	SNOW PLOW FRONT MOUNTED	0	0	0
	2KEC1X	TRAILER TYPE	FIXED DRAWBAR TRAILER AND CENTERED AXLES	0	0	0
	DKXG2X	GROSS COMBINATION WEIGHT (CA in PC29 only)	80,000 LB (36 TONNES) GROSS COMBINATION WEIGHT	0	0	0
S	70BB1X	BRAKE REGULATION	BRAKE REGULATION, STOPPING DISTANCE 94M (310FT)	0	0	0
	QCXB1X	TOPOGRAPHY	GRADES <6% GREATER THAN 98% OF DRIVING DISTANCE MAX GRADE 16%	0	0	0
S	E18D1X	AMBIENT TEMP UPPER LIMIT (GTA)	AMBIENT TEMPERATURE HOT. WARMER THAN 104 F (40 C) ALLOWED UP TO 25 HOURS PER YEAR	0	0	0
S	032A89	OPERATING TERRAIN GRADE CONDITIONS	ON-OFF HIGHWAY, STARTING GRADES<18%	0	0	0
S	033A10	LOADING SURFACE FACTOR	CONCRETE LOADING AND / OR UNLOADING SURFACE	0	0	0
	0342A2	VEHICLE VOCATION	CONSTRUCTION SERVICE	0	0	0

				WEIGHT (LB)		LIST PRICE USD
ENGINE/TRANSMISSIONS		DESCRIPTION		FRONT	REAR	
	1004Q0	ENGINE PACKAGE, COMBUSTION	MP7-355C MACK 355HP @ 1600-1800 RPM (PEAK) 2100 RPM (GOV) 1250 LB-FT, US'21	2,549	-231	403
S	3GCB1X	GHG APPLICATION, VEHICLE	GREEN HOUSE GAS VOCATIONAL APPLICATION	0	0	0
	1361W6	TRANSMISSION	3000 RDS 6 SPEED ALLISON GEN6 W/PROGNOSTICS, WITH PTO PROVISION	545	181	0
S	V4EZ9X	GEARBOX 12TH GEAR LOCK-OUT	WITHOUT 12TH GEARBOX GEAR LOCK-OUT	0	0	0

# TECHNICAL SPECIFICATION (cont.)



				WEIGHT (LB)		LIST PRICE USD
EXHAUST/EMISSIONS	DESCRIPTION			FRONT	REAR	
	CIRAA2	CARB 2008 IDLE REGULATION	IDLE EMISSION CERTIFICATION, BASIC	0	0	0
S	DPF04F	DPF DIESEL PARTICULATE FILTER	CLEARTECH ONE BOX E.A.T.S. RH SIDE UNDER CAB US17 / US21	0	0	0
	MCF05F	CHASSIS MOUNTED EMISSIONS FINISH	BRIGHT FINISH DEF COVER & STAINLESS STEEL DPF COVER	0	0	315
CA	DF10Y1	DIESEL EXHAUST FLUID TANK	11.8 GALLON (45 L) 22" LEFT SIDE FRAME MOUNTED, 1854MM (73") FROM CENTER LINE OF FRONT AXLE	80	111	0
	6MDA1X	AD-BLUE TANK VENTILATION FILTER	DEF TANK VENTILATION FILTER	0	3	95
	130AD7	EXHAUST	SINGLE VERTICAL RIGHT SIDE CAB MOUNTED, LOWER VENTURI DIFFUSER, TURNED END	-35	-17	396
	KRXAPX	EXHAUST STACK HEIGHT	9' 6" FROM GROUND	0	0	0
	Q0AC1X	EXHAUST SYSTEM MATERIAL FINISH	SINGLE, BRIGHT FINISH HEAT SHIELD, STACK	0	0	102
	78ADCX	EMISSION ON BOARD DIAG CONTROL	EMISSION OBD, DISPLAY ONLY, USA2023	0	0	0

				WEIGHT (LB)		LIST PRICE USD
ENGINE EQUIPMENT	DESCRIPTION			FRONT	REAR	
	125035	AIR CLEANER	UNDER HOOD SINGLE ELEMENT DRY TYPE W/AIR CONTROLLED INSIDE-OUTSIDE AIR INTAKE&DASH MTD AIR RESTRICTI	0	0	479
	1VAADX	AIR INTAKE SOURCE	INSIDE/OUTSIDE AIR INTAKE W/ IN-CAB CONTROL FOR SNOWPLOWS	20	0	0
S	121AA5	BUG SCREEN	BLACK ALUMINUM BUG SCREEN MOUNTED BEHIND GRILLE, WITHOUT WINTER FRONT COVER	0	0	0
S	1130G3	AIR COMPRESSOR/DRYER	WABCO HEATED SS-HP AIR DRYER W/ WABCO 636 (37.4 CFM) AIR COMPRESSOR	0	0	0
S	KOXA1X	AIR DRYER POSITION (CA)	AIR DRYER POSITION STANDARD	0	0	0
S	132AB9	ALTERNATOR	DELCO 12V 160A (28SI) BRUSH-TYPE	16	0	0
S	316AA6	BATTERIES	(3) MACK 12V 650/1950 CCA THREADED STUD TYPE	0	0	0
	393AA2	BATTERY BOX - MOUNTING (x)	LH RAIL UNDER CAB FORWARD OF FUEL TANK (3 BATTERY MAX)	-8	-4	-63
	L5XF1X	BATTERY BOX COVER	POLISHED ALUMINUM	5	0	82
CA	318068	BATTERY DISCONNECT SWITCH	MAIN SWITCH, MOUNTED INSIDE CAB, GROUND ACCESSIBLE	5	0	295
S	NCXA5X	STARTER MOTOR	12 VOLT DELCO 39MT-MXT	31	0	0
	110AA5	ENGINE BRAKE	MACK MP7 POWERLEASH	0	0	0
S	JMxB1X	ENGINE BRAKE LIGHTING (CA)	VEHICLE AND TRAILER (IF APPLICABLE) STOP LAMPS ACTIVATE UPON SERVICE BRAKE APPLICATION ONLY(3899000)	0	0	0
S	118AB8	FAN DRIVE	BEHR FAN AND ELECTRONIC MODULATING VISCOUS FAN DRIVE	0	0	0
S	119A19	COOLANT PROTECTION	ETHYLENE GLYCOL FULLY FORMULATED COOLANT (50/50 MIX DYED PINK) TO -34DEG, W/ FILTER	0	0	0
	124AB3	HOSES - RADIATOR/HEATER	SILICONE RADIATOR & HEATER HOSES W/SPRING LOADED CLAMPS ON ALL COOLANT LINES	3	0	318
	2930D3	FUEL-WATER SEPARATOR	DAVCO 387, (FLUID HTD) W/12V PREHEAT & MACK SEC FUEL FILTER	16	0	711
S	MBXA1X	PRIMARY FUEL FILTER POSITION (CA)	STANDARD FUEL FILTER POSITION	0	0	0
S	MCA04A	ENGINE HEATERS	120v 1500w BLOCK HEATER ONLY (120V-15A PLUG)	0	0	0
	5NXA1X	ENGINE BLOCK HEATER	120V 1500W ENGINE BLOCK HEATER	5	0	0

PRICELIST DATE  
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QUOTATION  
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DATE  
3/19/2023

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# TECHNICAL SPECIFICATION (cont.)



				WEIGHT (LB)		LIST PRICE USD
ENGINE EQUIPMENT		DESCRIPTION		FRONT	REAR	
	QHXABX	OIL SUMP	CORROSION RESISTANT OIL PAN	0	0	200
S	2YBZ1X	ENGINE STOP, EMERGENCY (CA in PC29 only)	WITHOUT ENGINE STOP, EMERGENCY	0	0	0

				WEIGHT (LB)		LIST PRICE USD
CLUTCH/TRANS EQUIPMENT		DESCRIPTION		FRONT	REAR	
	492007	GEAR SHIFTER	ALLISON DASH MOUNTED SHIFTER W/NEUTRAL TO RANGE INHIBIT (HD SERIES)	0	0	0
S	MCB05B	CLUTCH ACTUATION SYSTEM & PEDAL PAD	WITHOUT CLUTCH CABLE SYSTEM	0	0	0
	1950H5	DRIVELINE - MAIN	SPICER SPL170XL LITE - SMALL (PROPS-S)	-15	-15	-451
	204054	DRIVELINE - INTERAXLE	SPICER SPL250XL "LITE SERIES"	0	0	156
	76AA1X	PROPELLR SHAFT MAIN, UNVSL JNT	UNIVERSAL JOINT HALF-ROUND TYPE	0	0	0
S	8WAAAX	PROP SHAFT INTERAXL UNIV JOINT	HALF-ROUND UNIVERSAL JOINT	0	0	0
S	4LDA1X	TRANSMISSION OUTPUT TORQUE	TRANSMISSION OUTPUT TORQUE BASIC	0	0	0
S	RCXB1X	BELL HOUSING	ALUMINUM	0	0	0
	7RXAEX	LUBRICANTS, TRANSMISSION	TRANSYND SYNTHETIC LUBE FOR ALLISON TRANS	0	0	477
	139019	TRANSMISSION OIL COOLER	ALLISON TRANS. W/DIRECT MOUNT COOLER & SS COOLANT TUBES	0	0	414

				WEIGHT (LB)		LIST PRICE USD
FRONT AXLE EQUIPMENT		DESCRIPTION		FRONT	REAR	
	240AA5	FRONT AXLE	23000# (10400 KG) MACK FXL23 STRAIGHT SPINDLE/UNITIZED BEARINGS	428	0	819
	244AB8	SPRINGS - FRONT	MACK TAPERLEAF 23000# (10400kg) GROUND LOAD RATING, EQUAL BIAS	45	0	37
	241041	FRONT AXLE BRAKES	MERITOR "S" CAM 16.5" X 7" Q-PLUS BRAKES	0	0	375
S	U3XA1X	BRAKE, FRONT	CAST IRON	0	0	0
S	U0AA1X	FRONT BRAKE ADJ. MANUFACTURE	HALDEX - AUTOMATIC	0	0	0
S	V7AD1X	FRONT BRAKE CHAMBER MFG.	FRONT BRAKE CHAMBER MANUFACTURER, MGM	0	0	0
S	0KXA1X	HUB MATERIAL, FRONT	FERROUS	157	0	0
S	61500A	FRONT AXLE LUBRICANT	FRONT AXLE LUBE, FAG NLGI2 GREASE	0	0	0
S	1KAA1X	SHOCK ABSORBER, FRONT	DOUBLE ACTING TYPE	0	0	0
S	245AA3	STEERING	TRW TAS66+RCH60 POWER	175	0	0

				WEIGHT (LB)		LIST PRICE USD
REAR AXLE EQUIPMENT		DESCRIPTION		FRONT	REAR	
	268AA3	REAR AXLE	44000# (20000kg) MACK S440 FABRICATED STEEL HOUSING	0	1,445	2,022
S	6MAA1X	REAR AXLE CASING WIDTH	W/O WIDE TRACK AXLE	0	0	0
S	617003	DRIVE AXLE LUBRICANT	DRIVE AXLE LUBE, SHELL 75W90 SYNTHETIC OIL	0	0	0
S	018AA6	CARRIER - REAR AXLE	CRDP150/151 AVAILABLE WITH OPTIONAL DRIVER CONTROLLED INTERWHEEL DIFFERENTIAL LOCKS, SEE 254 SYMBOL	0	0	0
	TAX2FX	REAR AXLE RATIO	5.31 RATIO	0	0	0

# TECHNICAL SPECIFICATION (cont.)



				WEIGHT (LB)		LIST PRICE USD
REAR AXLE EQUIPMENT		DESCRIPTION	FRONT	REAR		
	186AB6	REAR SUSPENSION	MACK AL-461 AIR 46,000 lb (NOT FOR USE WITH AIR DISC BRAKES)	0	1,145	1,454
	GWXBYX	BOGIE SPREAD, REAR	52" AXLE SPACING (BOGIE WHEELBASE)	0	18	0
	ZAXA1X	SUSPENSION LEVELLING DEVICE (CA in PC29 only)	ELECTRICAL REGULATION LEVELING DEVICE	0	3	0
	J6DB1X	AIR SUSPENSION DUMP WARNING	AIR SUSPENSION DUMP, SPEED LIMITED, WARNING INDICATOR & BUZZER	0	0	0
	YVXA1X	REAR SHOCK ABSORBER	REAR SHOCK ABSORBER	0	27	0
	XYXA1X	TRANSVERSE TORQUE RODS, R SUSP	TRANSVERSE TORQUE ROD - ALL AXLES	0	0	0
S	237037	AUX.SPRING BRAKE QTY	AUX SPRING BRAKE QTY, 4 CHAMBERS	0	20	0
S	253AA4	BRAKES - REAR	MERITOR "S" CAM 16.5"x7" Q+ (Total for QTY = 2)	0	-35	0
S	U4XA1X	BRAKE, DRIVE, REAR	CAST IRON	0	0	0
S	U1AA1X	REAR BRAKE ADJ MANUFACTURE	HALDEX - AUTOMATIC (Total for QTY = 2)	0	0	0
	V1AB1X	REAR BRAKE CHAMBER SIZE	REAR SPRING BRAKE CHAMBERS 30/30 TYPE	0	0	0
	N5FAFX	BRAKE ORI REAR-MOST DRIVE AXLE	DRUM BRAKE CHAMBER ORIENTATION: Middle Mount - Forward of Axle - Chamber Up	0	0	0
S	300AB8	PARKING BRAKE CHAMBER	MGM TR3030LP3THD BRAKE CHAMBERS (Total for QTY = 2)	0	0	0
S	0LXI5X	HUB MATERIAL, DRIVE	IRON PRESET REAR HUB W/INTEGRATED SPINDLE NUT	0	318	0
S	3LAC1X	POWER DIVIDER LOCKOUT	POWER DIVIDER LOCKOUT, W/BUZZER & LIGHT	0	40	0
	254AB5	TRACTION DIFFERENTIAL	DRIVER CONTROLLED INTER WHEEL DIFFERENTIAL LOCK ALL RR AXLES, MANUAL AIR VALVE W/WARNING LIGHT.	0	18	1,532
S	698078	ANTILOCK BRAKE SYSTEM	BENDIX WITH TRACTION CONTROL 4S4M	0	0	0
S	URXD1X	BRAKE VALVE VERSION	BENDIX SWITCHES AND VALVES WHERE POSSIBLE	0	0	0
S	H9CA1X	TRACTION CONTROL DISABLE (CA in PC29 only)	AUTOMATIC TRACTION CONTROL (ATC) FULL DISABLE SWITCH	0	0	0
S	3ZAA1X	SPRING BRAKE INVERSION VALVE	TRACTOR SPRING BRAKE INVERSION VALVE	5	0	0

				WEIGHT (LB)		LIST PRICE USD
FRAME EQUIPMENT/FUEL TANKS		DESCRIPTION	FRONT	REAR		
	271174	WHEELBASE	174"	38	38	-68
	374068	AF (OVERHANG)	68"	-22	265	0
	MCE0CE	FRAME RAILS & LINERS	11.1 x 90 x 300mm - (0.437" x 3.54" x 11.81"); RBM 2,820,000 LB-IN	0	0	900
	5CAZ1X	FRONT FRAME EXT. (BOLTED ON)	W/O FRONT FRAME EXTENSION	0	0	-192
	A0XL1X	FRONT FRAME LENGTH	Bumper Position Extended 20" (snow)	166	-24	1,648
S	281AA5	CROSSMEMBERS	BOC AND INTERMEDIATE(S) STEEL HD BACK-TO-BACK CHANNEL	0	0	0
S	Q5AA1X	REAR CROSSMEMBER OPTIONS	STEEL CLOSING REAR CROSSMEMBER	-8	49	0
S	X6XA1X	REAR FRAME TREATMENT	WITHOUT TAPERED FRAME RAIL ENDS	0	0	0
	4DXN6X	FRONT BUMPER	EXTENDED-SWEPT BACK-STEEL BRIGHT FINISH	0	0	408
S	4ZAAAX	CROSSMEMBER, BOGIE TYPE	BASIC SOLUTION TRUNNION BRACKET, STD HEIGHT	0	0	0
S	4EXG1X	TOWING DEVICE, FRONT	HOOKS	0	0	0
S	2RAA1X	FUEL LEVEL SENDER UNIT, LIQUID	BASIC FUEL LEVEL SENDER MOUNTED ON L.H TANK	0	0	0



# TECHNICAL SPECIFICATION *(cont.)*



				WEIGHT (LB)		LIST PRICE USD
FRAME EQUIPMENT/FUEL TANKS		DESCRIPTION		FRONT	REAR	
S	288AF2	FUEL TANK - LH	66 GALLON (250 L) 22" ALUMINUM, SLEEVED D-SHAPED	142	71	0
S	290AA1	FUEL TANK - RH	W/O RH FUEL TANK	0	0	0
	R0AA1X	FUEL TANK POLISH OPTION	POLISHED ALUMINUM	0	0	280
S	JHXB1X	FUEL HOSES, LIQUID	BRAIDED HOSE	5	3	0
S	8520C2	FUEL FILLER NECK OPTIONS	WITHOUT FILLER NECK SCREEN, WITH NON-LOCKABLE FUEL TANK CAP	0	0	0
	12AA1X	FUEL LINE OPTIONS, LIQUID	W/O FUEL LINE OPTION	0	0	0
S	Q2AA1X	CAB INSTEP VERSION	STANDARD 2 STEP CAB ACCESS	0	0	0
	223AA2	STEPS (BRIGHT) - FUEL TANK	BRIGHT FINISH ALUMINUM STEPS & STAINLESS STEEL BRIGHT FINISHED STRAPS	0	0	198

				WEIGHT (LB)		LIST PRICE USD
AIR/BRAKE		DESCRIPTION		FRONT	REAR	
	UWXB1X	AIRTANK DRAIN VALVE	MANUAL DRAIN VALVES, WITH LANYARDS ON ALL TANKS	0	0	37
	U2XA2X	AIRTANK MATERIAL	ALUMINUM AIR TANK, POLISHED ALUMINUM FINISH	-24	0	398
	141AD7	RELOCATE AIR RESERVOIRS	MANUAL SOLUTION FOR IN-FRAME AIR RESERVOIR LOCATION- UNDER BATT.BOX & BETWEEN FRAME RAILS	0	0	173
	VSXF4X	AUXILLIARY AIRTANK	AUX AIR TNK CAPACITY FOR 1 EXTRA AXLE,W/3 LINES TO REAR XMBR	20	16	462
	1JAABX	PARKING BRAKE VALVE	TWO (2) VALVE DUAL BRAKE SYSTEM - TRAILER SUPPLY AND TRACTOR-TRAILER PARK	0	0	65

				WEIGHT (LB)		LIST PRICE USD
ELECTRICAL		DESCRIPTION		FRONT	REAR	
	5RXA5X	BACK-UP ALARM	ECCO BACK-UP ALARM SA917 (AMBIENT NOISE SENSITIVE) 87-112 dB	0	3	156
	EAXD4X	DASH MOUNTED SWITCHES	SIX (6) ASSIGNABLE BODYBUILDER DASH SWITCHES (5 ON-OFF, 1 MOMENTARY)	0	0	175
S	3120A2	ROOF & SIDE MARKER LIGHTS	(5) TRUCKLITE CHROME BULLET ROOF MARKER & STANDARD MARKER / DIRECTIONAL SIGNAL	0	0	0
	NJXAAX	AUXILIARY LAMPS (CA in PC29 only)	DASH CONTROL & POWER SUPPLY FOR LOCAL INSTALL OF AUX SNOWPLOW LAMPS OVERRIDE DAYTIME RUNNING LIGHTS	0	0	104
S	LJXCAX	HEADLAMP BULB TYPE	HEADLAMP BULB TYPE, LED, HEATED	0	0	0
S	LSXJ7X	DAYTIME RUNNING LIGHTS	W/OVERRIDE SWITCH, PARK BRAKE & ENGINE RUNNING ACTIVATED	0	0	0
S	X2AA1X	DRL OVERRIDE SPEED THRESHOLD	DRL OVERRIDE SPEED THRESHOLD 8 KMPH (5 MPH)	0	0	0
S	NEXC1X	TAIL LAMPS	INCANDESCENT TAIL LAMPS	0	7	0

				WEIGHT (LB)		LIST PRICE USD
TRAILER CONNECTIONS		DESCRIPTION		FRONT	REAR	
	WGXC1X	TRAILER BRAKE VALVE	HAND CONTROL VALVE FOR TRAILER OR REAR SERVICE BRAKES - DUAL FUNCTION	7	0	82
	301031	HAND CONTROL VALVE	HAND CONTROL VALVE FOR TRAILER OR REAR SERVICE BRAKES - DUAL FUNCTION	7	0	0

# TECHNICAL SPECIFICATION *(cont.)*



				WEIGHT (LB)		LIST PRICE USD
TRAILER CONNECTIONS		DESCRIPTION	FRONT	REAR		
	WHXQ2X	TRAILER CONNECTION POSITION	TRAILER AIR BRAKE CONNECTIONS, END OF FRAME	23	23	502
	321031	TRAILER ELECTRICAL RECEPT	SINGLE 7 PINS STD SAE TYPE, END OF FRAME	0	0	158
S	3SAZ1X	TRAILER CONNECTORS HOLDER	OMIT TRAILER CONNECTORS HOLDER	3	0	0

				WEIGHT (LB)		LIST PRICE USD
PTO		DESCRIPTION		FRONT	REAR	
	TYXE1X	POWER TAKE OFF CONTROL	TRANSMISSION PTO SWITCH AND LIGHT WITH WIRING AND PIPING FOR LOCAL INSTALLATION	3	0	0
S	B83083	BODY BUILDER INTERFACE	BODY LINK III W/CAB PASS-THRU	5	5	0

				WEIGHT (LB)		LIST PRICE USD
SPECIALTY EQUIPMENT		DESCRIPTION		FRONT	REAR	
S	MCQ01Q	LANE SUPPORT SYSTEM (LSS)	WITHOUT LANE SUPPORT SYSTEM	0	0	0
S	2PEZ1X	DATA CAPTURE	WITHOUT DATA CAPTURE	0	0	0
S	1PAZ1X	CAMERA, SURVEILLANCE	WITHOUT CAMERA	0	0	0
	D5XH1X	UNIQUE DECALS MACHINE DIRECTIV (CA in PC29 only)	DECALS READING: ("CAUTION SUSPENSION MUST BE LOWERED BEFORE DUMP BODY IS LIFTED")	0	0	0

				WEIGHT (LB)		LIST PRICE USD
CAB INTERIOR (A THRU G)		DESCRIPTION	FRONT	REAR		
S	198048	SPEEDOMETER -&- GAUGES - UNIT(s) OF MEASURE	U.S. UNITS (PREDOMINANT)	0	0	0
	CCXE1X	GUAGE - PACKAGE, SECONDARY	2ND GA PKG W/ENG OIL TEMP,TRANS OIL TEMP,PYRO,AIR RESTRICT	0	0	134
	E1AAAX	GAUGE OIL TEMP-REAR AXLE	REAR AXLE OIL TEMP GAUGE IN DID (DRIVER INFORMATION DISPLAY)	0	0	0
S	173AA5	AIR CONDITIONING/HEATER	BLEND AIR HVAC W/"ATC" TEMP REGULATION	0	0	0
S	EEXA1X	CUPHOLDER	CUPHOLDER	0	0	0
S	I0XAHX	DOME LAMP, INTERIOR	(4) DOME LAMPS - DOOR AND SWITCH ACTIVATED	0	0	0
S	3XAA1X	DASH INDICATOR - LAMP BODY OUT OF POS	DASH MTD, INDICATOR BODY/HOIST UP "BODYBUILDER LAMP"	0	0	0
	7860E6	FIRE EXTINGUISHER	5LB (ABC RATED) MOUNTED BETWEEN DRIVER SEAT BASE AND DOOR VALVE AIMED REARWARD	9	0	86
S	V8DZ1X	CARBON MONOXIDE DETECTION SYS	WITHOUT CARBON MONOXIDE DETECTION SYSTEM	0	0	0
	184AA3	FLOOR COVERING	POLYURETHANE FLOOR MAT W/ REMOVABLE INSERTS	16	0	97

				WEIGHT (LB)		LIST PRICE USD
CAB INTERIOR (H THRU R)		DESCRIPTION	FRONT	REAR		
S	C52082	INSTMNT CLUSTER LANGUAGE	DEFAULT: ENGLISH, SPANISH, FRENCH		0	0
S	20XA1X	KEY TYPES FOR DOORS	ALL CHASSIS KEYED AT RANDOM		0	0
	13AB1X	DOOR OPENING OPTIONS	ELECTRONIC KEYLESS ENTRY		5	0
S	E3XD1X	FORWARD OVERHEAD STORAGE	(2) STORAGE COMPARTMENTS AND NET RETAINERS W/CENTER MOUNTING FOR CB PROVISIONS		0	0

# TECHNICAL SPECIFICATION (cont.)



				WEIGHT (LB)		LIST PRICE USD
CAB INTERIOR (H THRU R)		DESCRIPTION		FRONT	REAR	
S	1740D4	AUDIO ACCOMMODATION	PREMIUM STEREO, AM/FM, MP3, WEATHER BAND, BLUETOOTH	0	0	0
	73AJ1X	ANTENNA - RADIO	48" ANTENNA RIGHT SIDE MIRROR MOUNTED	0	0	5
	58XB5X	ANTENNA - CB RADIO	48" ANTENNA LEFT SIDE MIRROR MOUNTED	0	0	59
S	0LAA1X	AUDIO SHUTOFF	AUTO SHUTOFF FOR RADIO ENTERTAINMENT SYSTEM WHEN VEHICLE IS ENGAGED IN REVERSE	0	0	0
S	1WAB1X	POWER LEADS	POWER LEADS (5-WAY BINDING POSTS FOR CB RADIO) IN HEADER CONSOLE	0	0	0
S	5CXB2X	AUDIO SPEAKER LOCATION	SPEAKER LOCATION, IN DOORS, MIDDLE HIGH SIDE PANEL	0	0	0
S	5JXAIX	COM.RADIO PREP KIT (CB)	CB RADIO MOUNTING REINFORCEMENT IN HEADER CONSOLE	0	0	0
S	IFXB1X	REAR WALL STORAGE COMPARTMENT	STORAGE POUCH REAR	5	0	0
	784054	REFLECTOR KIT	EMERGENCY REFLECTOR KIT MOUNTED PARALLEL & CENTERED AGAINST BOC	12	5	43

				WEIGHT (LB)		LIST PRICE USD
CAB INTERIOR (S THRU Z)		DESCRIPTION		FRONT	REAR	
	004034	INTERIOR TRIM LEVELS	PREMIUM PACKAGE, STEEL GRAY (Package 12A)	0	0	747
	196ABQ	SEAT - DRIVER'S	MACK-AIR, HIGH BACK, 4 CHAMBER AIR LUMBAR, BOLSTER, EXTENSION	67	16	593
	MAPA1X	SEAT COVERING - DRIVER'S	DRIVER'S SEAT - BLACK MORDURA	0	0	340
S	197AA1	SEAT - PASSENGER'S	MACK-FIXED, HIGH BACK	40	9	0
S	MAQB2X	SEAT COVERING - PASSENGER'S	PASSENGER'S SEAT - STEEL GREY VINYL	0	0	0
	3PXC1X	SEAT ARMREST	INBOARD MOUNTED ARM REST, DRIVER'S & RIDER'S SEAT	5	3	54
S	592092	SEAT BELT(S)	LAP & SHOULDER (BOTH SEATS) CAB MOUNTED SHOULDER BELT ADJUSTMENT (NOT AVAIL W/EXTENDED RIDER SEAT)	0	0	0
S	D8XC1X	SEAT BELT REMINDER	SEAT BELT REMINDER IN INSTRUMENT, WITH AUDIO	0	0	0
S	2QAA1X	IGNITION TYPE	KEY TYPE	0	0	0
	161021	STEERING WHEEL	2 SPOKE LEATHER GRIP, SATIN ALUMINUM SPOKES, WITH SWITCHES	0	0	30
	WSXAAX	WINDSHIELD TYPE	ONE PIECE WINDSHIELD	0	0	132
	145AA5	CAB GLASS	HEATED TINTED WINDSHIELD, TINTED SIDE AND REAR WINDOW	0	0	535
S	JQXAAX	WASHER RESERVOIR POSITION	W/O WINDSHIELD WASHER OPTION	0	0	0
S	148AA3	WINDSHIELD WIPERS	2 SPEED ELECTRIC MOTOR W/INTERMITTENT FEATURE	0	0	0

				WEIGHT (LB)		LIST PRICE USD
CAB EXTERIOR		DESCRIPTION		FRONT	REAR	
	MCY01Y	HOOD LATCH TYPE & FINISH	STRAP TYPE HOOD LATCH WITH BRIGHT FINISH	0	0	109
S	MCG0AG	EXTERIOR TRIM FINISH AND PACKAGES	GRANITE BRIGHT AIR INTAKE	0	0	0
	40000E	GRILLE	BRIGHT FINISH BARS W/BRIGHT FINISH SURROUND GRILL MOUNTED	0	0	117
S	89AA1X	INSULATION - ENGINE COMPARTMENT	HOOD INSULATION	0	0	0

# TECHNICAL SPECIFICATION (cont.)



				WEIGHT (LB)		LIST PRICE USD
CAB EXTERIOR		DESCRIPTION		FRONT	REAR	
S	MCD03D	PASSENGER SIDE VISIBILITY OPTIONS	AUXILIARY WINDOW IN RH DOOR	3	0	0
S	2KXB1X	FRONT WHEEL OPENING	FENDER EXTENSIONS	5	0	0
	5870B7	GRAB HANDLES	BF EXTERIOR CAB GRAB HANDLES, BLACK GRAB HANDLE RH INTERIOR WINDSHIELD POST	0	0	0
	154AA3	HORN - AIR	(2) MACK RECTANGULAR SINGLE TRUMPET (ONE EACH SIDE OF CAB ROOF)	7	0	113
S	LXD1X	HORN - ELECTRICAL	DUAL TONE	5	0	0
	152AC5	MIRRORS - EXTERIOR	BULLDOG STYLIZED MIRRORS - LH & RH HEATED & MOTORIZED AND ILLUMINATED W/INTEGRAL CONVEX MIRROR	7	0	664
	157037	SUN VISOR - EXTERIOR	SUN VISOR, EXTERIOR, STAINLESS STEEL (UNPAINTED)	9	0	392

				WEIGHT (LB)		LIST PRICE USD
AERODYNAMIC DEVICES		DESCRIPTION		FRONT	REAR	
S	159AA1	CAB AERODYNAMIC PACKAGES	WITHOUT CAB AERODYNAMIC DEVICES	0	0	0
S	MCM998	FRONT CHASSIS AERODYNAMIC PACKAGE	WITHOUT FRONT AERODYNAMIC FAIRINGS	0	0	0

				WEIGHT (LB)		LIST PRICE USD
WHEELS & TIRES		DESCRIPTION		FRONT	REAR	
	9004Y0	TIRES BRAND/TYPE - FRONT	315/80R22.5 L BRIDGESTONE M870 (20000 lbs) (Total for QTY = 2)	336	0	716
	5313F1	WHEELS - FRONT	22.5x9.00 ALCOA 89U64x DURA-BRIGHT POLISHED ALUMINUM, 6.94" OFFSET, 10 HAND HOLE (Total for QTY = 2)	111	0	1,050
	901AJ6	TIRES BRAND/TYPE - REAR	11R22.5 H BRIDGESTONE M799 (24020 lbs) (DRIVE ONLY) (Total for QTY = 8)	0	988	1,280
	34608G	WHEELS - REAR	22.5x8.25 ALCOA ULA18x DURA-BRIGHT OUTER ALUMINUM / POLISHED INNER ALUMINUM, 6.60" OFFSET, 10 HAND (Total for QTY = 8)	0	318	2,872
S	H1EB1X	DRIVE WHEEL STUDS	DRIVE WHEEL STUDS LONGER LENGTH	0	0	0
S	15XABX	TIRE INFLATION VALVE	STANDARD VALVE STEMS AND CAPS	0	0	0
S	MCH03H	FRONT HUB/WHEEL TRIM	WITHOUT FRONT HUB/WHEEL TRIM	0	0	0
S	MCI03I	REAR HUB/WHEEL TRIM	WITHOUT REAR HUB/WHEEL TRIM (Total for QTY = 2)	0	0	0
S	80AA1X	WHEEL NUT & FINISH, FRONT	WHEEL NUT BASIC FINISH, FRONT	0	0	0
S	3PBA1X	WHEEL NUT FINISH, REAR (CA)	WHEEL NUT BASIC FINISH, REAR	0	0	0

				WEIGHT (LB)		LIST PRICE USD
COMMUNICATION SYSTEMS		DESCRIPTION		FRONT	REAR	
S	3YAA1X	CO-PILOT - DISPLAY FEATURES ACCESS LEVEL	CO-PILOT DISPLAY, DRIVER ACCESS LEVEL 1	0	0	0
S	M30060	TELEMATIC GATEWAY	TELEMATICS GATEWAY, 4G/LTE AND WLAN SYSTEM WITH DIAGNOSTIC SERVICES	0	0	0

# TECHNICAL SPECIFICATION (cont.)



				WEIGHT (LB)		LIST PRICE USD
ENGINE ELECTRONICS		DESCRIPTION		FRONT	REAR	
S	WOXA1X	OIL PRESSURE, ENGINE SHUTDOWN	OIL PRESSURE, ENGINE SHUTDOWN	0	0	0
S	WMXA1X	COOLANT TEMP, ENGINE SHUTDOWN	COOLANT TEMP, ENGINE SHUTDOWN	0	0	0
S	K5XA2X	ENGINE PROTECTION SYSTEM	ENGINE PROTECTION (SHUTDOWN)	0	0	0
	C7AABX	ENG FAN CNTL, A/C ON, TIME SET	ENG FAN CONTROL, A/C ON, TIME SETTING, 60 SEC	0	0	0
S	K7XY1X	ENGINE IDLE CONTROL	IDLE CONTROL, 600 RPM	0	0	0
S	X0AB0X	SMART IDLE ELEVATED IDLE RPM TIME	INCREASE 10 MINUTE MAXIMUM TIME	0	0	0
S	M3CA1X	IDLE S/D ABS TAMPER CHECK	IDLE SHUTDOWN ABS TAMPER CHECK, ENABLED	0	0	0
S	B1ACAX	IDLE S/D WARNING TIME	30 SEC IDLE S/D WARNING TIME	0	0	0
S	A8AALX	IDLE S/D IF WARM-UP TEMP	38C DEG (100F), WARM UP TEMP DELAY	0	0	0
S	A4AAEX	IDLE S/D WARM-UP TIMER	5 MIN. WARM UP TIME DELAY	0	0	0
S	A6AABX	IDLE S/D IF PTO ACTIVE	ENGINE IDLE SHUTDOWN TIME OVERRIDDEN IF PTO ACTIVE	0	0	0
S	B0AAAX	IDLE SHUTDOWN IF POWER > LIMIT	ENG IDLE SHUTDOWN TIME OVERRIDDEN IF TORQUE > THAN LIMIT	0	0	0
S	M4CB1X	IDLE S/D OVERRIDE %ENGINE LOAD	IDLE SHUTDOWN OVERRIDE UPTO 20% ENGINE LOAD THRESHOLD	0	0	0
S	D2AAFX	AMBIENT TEMP MIN TRESHOLD	AMBIENT TEMP MIN TRESHOLD, 16 DEG C, (60 DEG F)	0	0	0
S	D3AAEX	AMBIENT TEMP MAX TRESHOLD	AMBIENT TEMP MAX TRESHOLD, 27 DEG C, (80 DEG F)	0	0	0
S	B3ABAX	EL HD THROTTLE,MAX ROAD SPEED	ELECTRONIC HAND THROTTLE, MAX ROAD SPEED, 16 KM/H (10 MPH)	0	0	0
S	B6ABAX	EL HAND THROTTLE,MAX ENG SPEED	ELECTRONIC HAND THROTTLE, MAX ENGINE SPEED, 1000 RPM	0	0	0
S	B4ADAX	EL HAND THROTTLE,MIN ENG SPEED	ELECTRONIC HAND THROTTLE, MIN ENGINE SPEED, 700 RPM	0	0	0
S	B9AABX	EL HD THROTTLE,SPEED RAMP RATE	ELECTRONIC HAND THROTTLE, SPEED RAMP RATE, 100 RPM/SEC	0	0	0

				WEIGHT (LB)		LIST PRICE USD
TRANSMISSION ELECTRONICS		DESCRIPTION		FRONT	REAR	
	779009	TRANSMISSION ELECTRONICS PACKAGE	DUMP/VOCATIONAL/PLOW(223) - REQUIRES SERVICE BRAKE TO ENGAGE GEAR (4TH GEAR LIMIT SECONDARY FOR PLOW	0	0	0
	B1EC1X	TRANSM AUTO NEUTRAL ON P-BRAKE	ALLISON PARK BRAKE AUTO NEUTRAL-ALLOWS THE DRIVER TO ENGAGE GEAR PRIOR TO DISENGAGING THE PARK BRAKE	0	0	0
	MAV0AV	TRANSMISSION ELECTRONIC SHIFTING PROPERTIES	FUELSENSE, FULL NEUTRAL AT STOP	0	0	0

				WEIGHT (LB)		LIST PRICE USD
VEHICLE ELECTRONICS		DESCRIPTION		FRONT	REAR	
S	JCXE6X	ROAD SPEED LIMITER SETTING	105 KM/H ROAD SPEED LIMITER(65 MPH)	0	0	0
S	Y3CC1X	PEDAL RSL SETTING	101 KM/H PEDAL ROAD SPEED LIMITER (63MPH)	0	0	0
S	JDXA1X	CRUISE CONTROL	CRUISE CONTROL	0	0	0
S	JFXLLX	CRUISE CONTROL, MAX SPEED	MAX CRUISE, 105 KPH (65 MPH)	0	0	0
S	E3AACX	CRUISE CONTROL MIN SPEED	MIN CRUISE, 32 KPH (20 MPH)	0	0	0

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# TECHNICAL SPECIFICATION *(cont.)*



				WEIGHT (LB)		LIST PRICE USD
VEHICLE ELECTRONICS		DESCRIPTION		FRONT	REAR	
S	E5AACX	ENG BRK ENGAGE IN CRUISE	ENG BRK ENGAGE IN CRUISE, 3 MPH, ABOVE SET SPEED	0	0	0
S	L2CA1X	PDLO ENGAGED VLS	POWER DIVIDER LOCK OUT (PDLO) ROAD SPEED LIMIT 8KMH (5MPH)	0	0	0
S	W5BA1X	MAXIMUM ENG SPEED AT 0 MPH	1000 MAXIMUM ENGINE SPEED AT 0 MPH	0	0	0
S	A4BAAX	DETECTION SPEED SENSR TMRNG	DETECTION OF SPEED SENSOR TAMPERING, ENABLE	0	0	0
S	8RXAEX	ENG TORQUE LIMIT, SPEED SENSOR	ENG TORQUE LIMITED TO 50%, IF SPEED SENSOR TAMPER DETECTED	0	0	0
S	X3CB1X	DRIVER ID FUNCTION	DRIVER ID FUNCTION, DISABLED	0	0	0
S	0PAZ1X	DR PERFORMANCE PARAMETERS	WITHOUT DRIVER PERFORMANCE PARAMETERS	0	0	0
S	G5AAHX	ENGINE OVERSPEED, ALL COND, LOG	ENGINE OVERSPEED, ALL CONDITIONS, TIME LOG IF ABOVE 2200 RPM	0	0	0
S	G2AAGX	ENGINE OVERSPEED, FUELED, LOG	ENGINE OVERSPEED, FUELED, TIME LOG IF ABOVE 2100 RPM	0	0	0
S	G4AAUX	VEHICLE OVERSPEED, ALL COND, LOG	VEHICLE OVERSPEED, ALL COND, TIME LOG IF ABOVE 75MPH (121KMH)	0	0	0
S	G3AAPX	VEHICLE OVERSPEED, FUELED, LOG	VEHICLE OVERSPEED, FUELED, TIME LOG IF ABOVE 70MPH (113KMH)	0	0	0
S	G1AABX	ENGINE IDLE DELAY TO LOG	ENGINE IDLE DELAY TO START LOG, 2 MIN	0	0	0
S	W9A01X	PERIODIC TRIP LOG DAY OF MONTH	PERIODIC TRIP LOG, DAY 1 OF THE MONTH	0	0	0

				WEIGHT (LB)		LIST PRICE USD
PTO ELECTRONICS		DESCRIPTION		FRONT	REAR	
S	F3AAEX	PTO1 SINGLE SPEED CONTROL RPM.	PTO 1ST, SINGLE SPEED SETTING, 1000 RPM	0	0	0
S	F5AABX	PTO 1ST, MAX ROAD SPEED	1ST PTO, MAX ROAD SPEED, 10 MPH (16 KPH)	0	0	0
S	F6AABX	PTO 1ST, SPEED RAMP RATE	PTO 1ST, SPEED RAMP RATE 100 RPM/SEC	0	0	0
S	F7AAPX	PTO 1ST, MAX ENGINE SPEED	PTO 1ST, MAX ENGINE SPEED, 2100 RPM	0	0	0
S	F8AAGX	PTO 1ST, ROAD SPEED LIMIT	PTO 1ST, ROAD SPEED LIMIT, 97 KMH (60 MPH)	0	0	0
S	F9AABX	PTO 1ST, MINIMUM ENGINE SPEED	PTO 1ST, MINIMUM ENGINE SPEED, 600 RPM	0	0	0
S	H6AAEX	PTO 2ND, SINGLE SPEED SETTING	PTO 2ND, SINGLE SPEED SETTING, 1000 RPM	0	0	0
S	H0AABX	PTO 2ND, MAX ROAD SPEED	2ND PTO, MAX ROAD SPEED, 10 MPH (16 KPH)	0	0	0
S	G9AABX	PTO 2ND, SPEED RAMP RATE	PTO 2ND, SPEED RAMP RATE 100 RPM/SEC	0	0	0
S	H7AANX	PTO 2ND, MAX ENGINE SPEED	PTO 2ND, MAX ENGINE SPEED, 2100 RPM	0	0	0
S	H5AAGX	PTO 2ND, ROAD SPEED LIMIT	PTO 2ND, ROAD SPEED LIMIT, 97 KMH (60 MPH)	0	0	0
S	G8AABX	PTO 2ND, MINIMUM ENGINE SPEED	PTO 2ND, MINIMUM ENGINE SPEED, 600 RPM	0	0	0

				WEIGHT (LB)		LIST PRICE USD
PAINT		DESCRIPTION		FRONT	REAR	
S	950AD0	PAINT DESIGN	SINGLE COLOR	0	0	0
S	924014	PAINT TYPE	SOLID PAINT	0	0	0
	944AA8	PAINT COLOR - FIRST COLOR	MACK MED RED; 784033	0	0	0
S	945998	PAINT COLOR - SECOND COLOR	NO SECOND TRUCK COLOR PROVIDED; NO COLOR	0	0	0
S	946998	PAINT COLOR - THIRD COLOR	NO THIRD TRUCK COLOR PROVIDED; NO COLOR	0	0	0

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# TECHNICAL SPECIFICATION (cont.)



				WEIGHT (LB)		LIST PRICE USD
PAINT	DESCRIPTION			FRONT	REAR	
S	996AA3	PAINT - CAB PAINT SYSTEM	PAINT - CAB, URETHANE CLEAR COAT	0	0	0
S	MPB944	CAB COLOR	SAME AS FIRST COLOR - CAB	0	0	0
S	MPD944	HOOD COLOR	SAME AS FIRST COLOR - HOOD	0	0	0
S	MPC998	SLEEPER ROOF COLOR	WITHOUT SLEEPER ROOF COLOR	0	0	0
S	MPA998	ROOF FAIRING COLOR	WITHOUT ROOF FAIRING	0	0	0
S	951AA6	CHASSIS RUNNING GEAR	MACK BLACK (URETHANE); P3036	0	0	0
	958028	BUMPER	W/O OPTIONAL BUMPER PAINT	0	0	0
S	959019	FUEL TANK - ***NO INVENTED VARIANTS ALLOWED in the FUEL TANK PAINT FAMILY***	W/O OPTIONAL FUEL TANK PAINT	0	0	0
S	962032	HUBS & DRUMS-FRONT	SAME AS CHASSIS RUNNING GEAR	0	0	0
S	963033	HUBS & DRUMS-REAR	SAME AS CHASSIS RUNNING GEAR	0	0	0

				WEIGHT (LB)		LIST PRICE USD
CALCULATED CODES - KAX	DESCRIPTION			FRONT	REAR	
S	9JXA1X	PROPCALC SELECTION	YES, THE ORDER MUST BE CALCULATED	0	0	0

				WEIGHT (LB)		LIST PRICE USD
BASE WARRANTY & PURCHASED COVERAGES	DESCRIPTION			FRONT	REAR	
S	898003	VEHICLE WARRANTY TYPE	HEAVY DUTY WARRANTY CLASSIFICATION	0	0	0
S	M50030	BASIC CHASSIS COVERAGE	HEAVY DUTY STANDARD BASE COVERAGE 12 MONTHS/100,000 MILES (161,000 KM)	0	0	0
	M8301T	EMISSION - SURCHARGE	EPA (only) for Mack MP7 / MP8 Diesel	0	0	0
S	M51021	ENGINE WARRANTY	MACK MP7/MP8 BASE ENGINE COVERAGE 24 MONTHS / 250,000 MILES (402,000KM)	0	0	0
S	M52022	EMISSION COMPONENT COVERAGE	US and CANADA EQUIPPED VEHICLE EMISSION COMPONENTS COVERAGE 60 MONTHS/100,000 MILES (161,000 KM)	0	0	0
	M540B4	TRANSMISSION WARRANTY	ALLISON TRANSMISSIONS (Contact Allison Transmission for standard warranty and extended coverage data)	0	0	0
S	M550G7	CARRIER & AXLE HOUSING WARRANTY	STANDARD MACK HEAVY DUTY COVERAGE 60 MONTHS / 500,000 (804,672 KM)	0	0	0
S	M56026	AIR CONDITIONING WARRANTY	AIR CONDITIONING STANDARD COVERAGE (Sealed System Only) 12 MONTHS UNLIMITED MILEAGE	0	0	0
S	M57027	CHASSIS TOWING WARRANTY	STANDARD NORMAL / HEAVY DUTY CHASSIS TOWING 90 DAYS OR 5,000 MILES	0	0	0
S	M58028	ENGINE TOWING WARRANTY	STANDARD MACK ENGINE TOWING COVERAGE 24 MONTHS/250,000 MILES (402,000 KM)	0	0	0
S	M690F9	GUARDDOG CONNECT BUNDLE	24 MONTH - GUARDDOG CONNECT WITH MACK OTA (with ASIST and Mack OneCall))	0	0	0
S	M78010	PREPAID API	WITHOUT PREPAID API	0	0	0

				WEIGHT (LB)		LIST PRICE USD
ADDITIONAL OPTIONS (Requested)	DESCRIPTION			FRONT	REAR	
CA DF11045	DEF TANK	11.8 GALLON (45 L) 22" LEFT SIDE FRAME MOUNTED		0	0	0

# TECHNICAL SPECIFICATION *(cont.)*

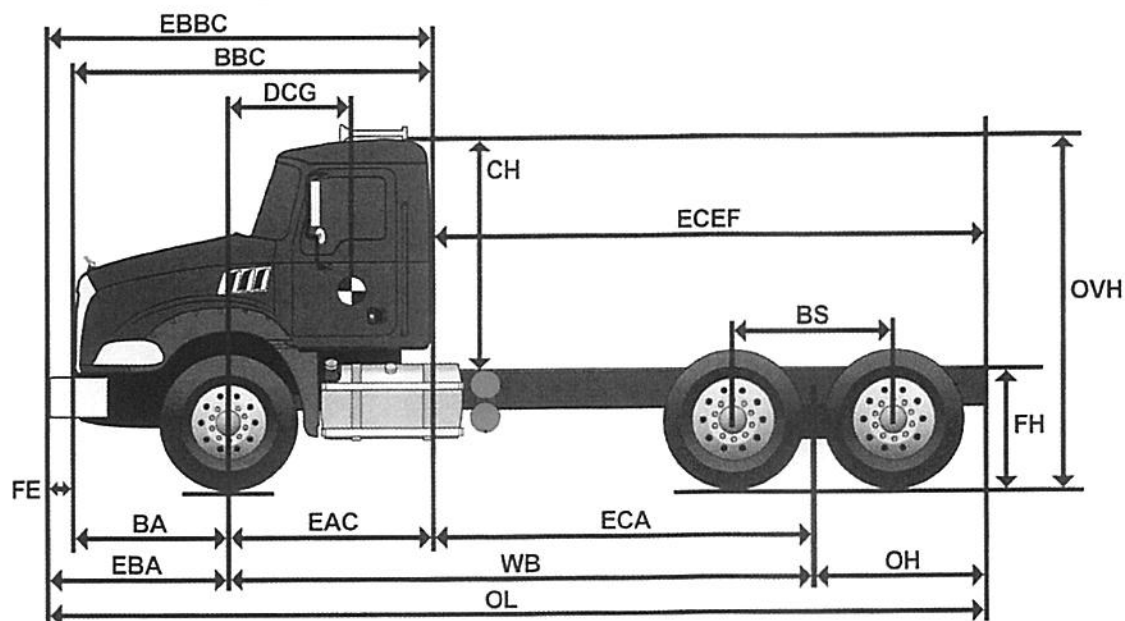


ADDITIONAL ENGINEERING (Requested)	DESCRIPTION	WEIGHT (LB)		LIST PRICE USD
		FRONT	REAR	
CA 1		0	0	0
FRONT / REAR AXLE WEIGHTS (LB)		9864	6652	
TOTAL WEIGHT (LB)		16,515		



# VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY

Description	Sales Code	Dwg Ref	Length	UOM
Front Frame Extension	N/A	FE	20.0	INCHES
Bumper to Front Axle	N/A	BA	51.1	INCHES
Wheelbase	N/A	WB	173.6	INCHES
Rear Overhang	N/A	OH	68.3	INCHES
Overall Length	N/A	OL	313.0	INCHES
Bumper to Back of Cab	N/A	BBC	116.5	INCHES
Eff. Bumper to Back of Cab	N/A	EBBC	136.5	INCHES
Eff. Cab to Rear Axle	N/A	ECA	108.1	INCHES
Eff. Front Axle to Back of Cab	N/A	EAC	65.5	INCHES
Eff. Cab to End of Frame	N/A	ECEF	176.5	INCHES
Unladen 5th Wheel Height	E5BZ1X	5W	0.0	INCHES
Unladen Frame Height	N/A	FH	42.1	INCHES
Cab Height	N/A	CH	70.9	INCHES
Overall Height	N/A	OVH	116.1	INCHES
Driver CG	N/A	DCG	47.2	INCHES
52" AXLE SPACING (BOGIE WHEELBASE)	GWXBYX	BS	52.0	INCHES
Second Front Axle Spacing	RHXZ1X	SFAS	0.0	INCHES





This specification contains options which affect the accuracy of Top View and its calculations. An Image is NOT available due to the following selections:  
DF10Y1

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