

Model Profile
2020 MV607 SBA (MV607)

AXLE CONFIG:
APPLICATION:
MISSION:

4X2

Construction Dump

Requested GVWR: 25500. Calc. GVWR: 25999

Calc. Start / Grade Ability: 26.26% / 2.29% @ 55 MPH

Calc. Geared Speed: 71.4 MPH

Wheelbase: 152.00, CA: 84.90, Axle to Frame: 63.00

{Cummins B6.7 220} EPA 2017, 220HP @ 2400 RPM, 520 lb-ft Torque @ 1600 RPM, 2600 RPM

Governed Speed, 220 Peak HP (Max)

{Allison 2100 RDS} 5th Generation Controls, Close Ratio, 5-Speed with Overdrive, with PTO Provision, Less Retarder, with 26,000-lb GVW and GCW Max, On/Off Highway

Omit Item (Clutch & Control)

{Dana Spicer E-1002I} I-Beam Type, 10,000-lb Capacity

{Dana Spicer S140} Single Reduction, 19,000-lb Capacity, 190 Wheel Ends Gear Ratio: 6.14

Conventional, Day Cab

(2) 11R22.5 Load Range G AH37 (HANKOOK), 501 rev/mile, 75 MPH, All-Position

(4) 11R22.5 Load Range G AH37 (HANKOOK), 501 rev/mile, 75 MPH, All-Position
23,500-lb Capacity, Vari-Rate Springs, with 4500-lb Capacity Auxiliary Rubber Springs

Cab schematic 100WP

Location 1: 6680, Very Dark Blue (Prem)

Chassis schematic N/A

DIMENSION:

ENGINE, DIESEL:

TRANSMISSION, AUTOMATIC:

CLUTCH:

AXLE, FRONT NON-DRIVING:

AXLE, REAR, SINGLE:

CAB:

TIRE, FRONT:

TIRE, REAR:

SUSPENSION, REAR, SINGLE:

PAINT:

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
MV60700	Base Chassis, Model MV607 SBA with 152.00 Wheelbase, 84.90 CA, and 63.00 Axle to Frame.	5602/2659	8261
1570	TOW HOOK, FRONT (2) Frame Mounted	8/0	8
1ANA	AXLE CONFIGURATION {Navistar} 4x2	0/0	0
	<u>Notes</u> : Pricing may change if axle configuration is changed.		
1CAC	FRAME RAILS High Strength Low Alloy Steel (50,000 PSI Yield); 10.125" x 3.062" x 0.312" (257.2mm x 77.8mm x 8.0mm); 480.1" (12195mm) Maximum OAL	-13/124	111
1LLD	BUMPER, FRONT Contoured, Steel	0/0	0
1WEH	WHEELBASE RANGE 134" (340cm) Through and Including 197" (500cm)	0/0	0
2AGM	AXLE, FRONT NON-DRIVING {Dana Spicer E-1002} I-Beam Type, 10,000-lb Capacity	34/0	34
3770	SPRINGS, FRONT AUXILIARY Rubber	10/0	10
3ADB	SUSPENSION, FRONT, SPRING Parabolic Taper Leaf, Shackle Type, 10,000-lb Capacity, with Shock Absorbers	25/0	25
	<u>Includes</u> : SPRING PINS Rubber Bushings, Maintenance-Free		
4100	BRAKE SYSTEM, HYDRAULIC {Wabco} Split System, with Automatic Adjustment and Four Channel ABS	0/0	0
4GAR	BRAKE, PARKING {Bosch} DSSA Type, 12" x 3"; for Hydraulic Brake Chassis; Activated by Lever in Cab; Differential Mounted	0/0	0
4JNP	BRAKES, FRONT, HYDRAULIC DISC Quadraulic; Four 70mm Diameter Pistons	0/0	0
4NNL	BRAKES, REAR, HYDRAULIC DISC Quadraulic; Four 70mm Diameter Pistons	0/0	0
5708	STEERING COLUMN Tilting	14/2	16
5CAW	STEERING WHEEL 4-Spoke; 18" Dia., Black	0/0	0
5PSA	STEERING GEAR {Sheppard M100} Power	28/-6	22
7BLS	EXHAUST SYSTEM Single, Horizontal Aftertreatment Device, Frame Mounted Under Right Rail, Forward Location, for Short Wheelbase, Includes Short Horizontal Tail Pipe	69/-28	41
8000	ELECTRICAL SYSTEM 12-Volt, Standard Equipment	0/0	0
	<u>Includes</u> : DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab : HAZARD SWITCH Push On/Push Off, Located on Instrument Panel to Right of Steering Wheel : HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever : PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light : STARTER SWITCH Electric, Key Operated : STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector : TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature : TURN SIGNALS, FRONT Includes Reflectors and Auxiliary Side Turn Signals, Solid State Flashers; Flush Mounted : WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever		

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
	: WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted : WIRING, CHASSIS Color Coded and Continuously Numbered		
8518	CIGAR LIGHTER Includes Ash Cup	1/0	1
8GXD	ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp. Capacity, Pad Mount, with Remote Sense	0/0	0
8HAB	BODY BUILDER WIRING Back of Day Cab at Left Frame or Under Sleeper, Extended or Crew Cab at Left Frame; includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/Accessory Power/Ground and Sealed Connector for Stop/ Turn	2/0	2
8MJT	BATTERY SYSTEM {Fleetrite} Maintenance-Free, (2) 12-Volt 1900CCA Total, Top Threaded Stud	6/8	14
8RMS	SPEAKERS Omit	0/0	0
8RMX	RADIO Omit; Includes Wiring and Antenna	0/0	0
8VAY	HORN, ELECTRIC Disc Style	0/0	0
8VUW	BATTERY BOX Steel, with Plastic Cover, 25" Wide, 2-3 Battery Capacity, Mounted Left Side Under Cab in Back of DEF Tank	-6/6	0
8WWJ	INDICATOR, LOW COOLANT LEVEL with Audible Alarm	0/0	0
8WZK	HEADLIGHTS Halogen; Composite Aero Design for Two Light System	0/0	0
8XAH	CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses	0/0	0
8XKL	STARTING MOTOR {Mitsubishi Electric Automotive America 90P47} 12-Volt, with Soft-Start	0/0	0
9AAB	LOGOS EXTERIOR Model Badges	0/0	0
9AAE	LOGOS EXTERIOR, ENGINE Badges	0/0	0
9HAD	GRILLE Chrome	0/0	0
9WAY	FRONT END Tilting, Fiberglass, with Three Piece Construction	0/0	0
10060	PAINT SCHEMATIC, PT-1 Single Color, Design 100	0/0	0
	<u>Includes</u> : PAINT SCHEMATIC ID LETTERS "WP"		
10761	PAINT TYPE Base Coat/Clear Coat, 1-2 Tone	0/0	0
10769	PAINT CLASS Premium Color	0/0	0
10WGD	SPECIAL RATING, GVWR Limited to 25,999-lb GVWR	0/0	0
11001	CLUTCH Omit Item (Clutch & Control)	0/0	0
12703	ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection	0/0	0
12849	BLOCK HEATER, ENGINE 120V/1000W, for Cummins ISB/B6.7/ISL/L9 Engines	3/0	3
	<u>Includes</u> : BLOCK HEATER SOCKET Receptacle Type; Mounted below Drivers Door		
12EJG	ENGINE, DIESEL {Cummins B6.7 220} EPA 2017, 220HP @ 2400 RPM, 520 lb-ft Torque @ 1600 RPM, 2600 RPM Governed Speed, 220 Peak HP (Max)	0/0	0

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
12TSY	FAN DRIVE {Borg-Warner SA85} Viscous Type, Screw On <u>Includes</u> : FAN Nylon	0/0	0
12UYE	RADIATOR Aluminum; 2-Row, Cross Flow, Over Under System, 717 SqIn Louvered, with 313 SqIn Charge Air Cooler. with In-Tank Transmission Cooler <u>Includes</u> : DEAERATION SYSTEM with Surge Tank : HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps : RADIATOR HOSES Premium, Rubber	0/0	0
12VBR	AIR CLEANER with Service Protection Element	0/0	0
12VGY	FEDERAL EMISSIONS {Cummins B6.7} EPA, OBD and GHG Certified for Calendar Year 2019	0/0	0
12VXT	THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel	0/0	0
12WPV	OIL PAN 15 Quart Capacity, For Cummins ISB/B6.7 Engines	0/0	0
12WZJ	EMISSION COMPLIANCE Low NOx Idle Engine, Complies with California Clean Air Regulations; Includes "Certified Clean Idle" Decal located on Driver Door	0/0	0
12XAT	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; with Ignition Switch Control for Cummins ISB/ B6.7 or ISL/L9 Engines	0/0	0
13ARA	TRANSMISSION, AUTOMATIC {Allison 2100 RDS} 5th Generation Controls, Close Ratio, 5-Speed with Overdrive, with PTO Provision, Less Retarder, with 26,000-lb GVW and GCW Max, On/Off Highway	0/0	0
13WDH	WIRING, TRANSMISSION Installed Wiring for Transmission/PTO Controls, for Allison 1000, 2000, 2100, 2200, 2400, 2500 Series Transmission	1/0	1
13WLN	TRANSMISSION OIL Synthetic; 20 thru 28 Pints	0/0	0
13WVS	TRANSMISSION SHIFT CONTROL T-Handle Type	0/0	0
13WYY	SHIFT CONTROL PARAMETERS Allison 1000 or 2000 Series Transmissions, 5th Generation Controls, Performance Programming	0/0	0
13XAL	PTO LOCATION Customer Intends to Install PTO at Left Side of Transmission	0/0	0
14AJG	AXLE, REAR, SINGLE {Dana Spicer S140} Single Reduction, 19,000-lb Capacity, 190 Wheel Ends . Gear Ratio: 6.14	0/121	121
14VAH	SUSPENSION, REAR, SINGLE 23,500-lb Capacity, Vari-Rate Springs, with 4500-lb Capacity Auxiliary Rubber Springs	0/66	66
15LMS	FUEL/WATER SEPARATOR 12 VDC Electric Heater, Includes Pre-Heater, Includes Water-in-Fuel Sensor, Cummins Supplied on Engine	-1/0	-1
15SGK	FUEL TANK Top Draw, Non-Polished Aluminum, D-Style, 16" Tank Depth, 50 US Gal (189L), Mounted Right Side, Under Cab	24/2	26
15WDG	DEF TANK 7 US Gal (26L) Capacity, Frame Mounted Outside Left Rail, Under Cab	0/0	0
16030	CAB Conventional, Day Cab <u>Includes</u> : CLEARANCE/MARKER LIGHTS (5) Flush Mounted	0/0	0

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16400	SEAT, PASSENGER Omit Item	0/0	0
16BAL	HEATER	0/0	0
16GDK	GAUGE CLUSTER Base Level; English with English Speedometer and Tachometer, for Hydraulic Brake Chassis, Includes Engine Coolant Temperature, Fuel and DEF Gauges, Oil Pressure Gauge, Includes 3 Inch Monochromatic Text Display	0/0	0
16HKT	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster	0/0	0
16JXG	SEAT, FRONT BENCH {National} Full Width; Vinyl, with Fixed Mid Back	0/0	0
16SNL	MIRRORS (2) Black Heads, Brackets and Arms, 7.55" x 14.1" Flat Glass, 7.48" x 6.77" Convex Glass Both Sides	0/0	0
16VKB	CAB INTERIOR TRIM Classic, for Day Cab <u>Includes</u> : CONSOLE, OVERHEAD Molded Plastic with Dual Storage Pockets, Retainer Nets and CB Radio Pocket; Located Above Driver and Passenger : DOME LIGHT, CAB Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Overhead Console, Center Mounted : SUN VISOR (2) Padded Vinyl; 2 Moveable (Front-to-Side) Primary Visors, Driver Side with Toll Ticket Strap	0/0	0
16VLM	CAB REAR SUSPENSION Rubber Suspension, for Low Cab Height	0/0	0
16XCK	WINDOW, MANUAL (2) and Manual Door Locks, Left and Right Doors	0/0	0
16XJN	INSTRUMENT PANEL Flat Panel	0/0	0
16ZBT	ACCESS, CAB Steel, Driver & Passenger Sides, Two Steps per Door, for use with Day Cab and Extended Cab	0/0	0
27DTU	WHEELS, FRONT {Accuride 29001} DISC; 22.5x7.50 Rims, Powder Coat Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs	0/0	0
28DTU	WHEELS, REAR {Accuride 29001} DUAL DISC; 22.5x7.50 Rims, Powder Coat Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs	0/0	0
7372135809	(2) TIRE, FRONT 11R22.5 Load Range G AH37 (HANKOOK), 501 rev/mile, 75 MPH, All-Position	56/0	56
7372135809	(4) TIRE, REAR 11R22.5 Load Range G AH37 (HANKOOK), 501 rev/mile, 75 MPH, All-Position Cab schematic 100WP Location 1: 6680, Very Dark Blue (Prem) Chassis schematic N/A Services Section:	0/112	112
40129	WARRANTY Standard for MV Series, Effective with Vehicles Built July 1, 2017 or Later, CTS-2020A	0/0	0
	Total Component Weight:	5863/3066	8929