




PURCHASING DEPARTMENT

Madison County Board of Supervisors
146 West Center Street / Post Office Box 608
Canton, MS 39046
Office (601)-855-5534 ~ Fax (601) 859-5875

May 6, 2024

To: Board of Supervisors
From: Kesha Jackson, Purchasing Clerk 
Subject: Award Conventional Tractors – Road Department

Attached are copies of the results of the recent reverse auction for Conventional Tractors.

I recommend that the Board take the following actions:

1. Acknowledge bids received;
2. Award Conventional Tractors to Tri-State Truck Center as lowest and best bidder.

Thank you in advance for your consideration of the above recommendations.

Menu s Planning and Zoning Bid Tool Email Manager Help Bid Tool

- Create New Bid
- View Pending Bids
- View Open Bids
- View Closed Bids
- View Public Log
- Bid System Log
- Permissions
- Current Time: 04-30-2024 11:02:40 am

Show 10 entries

Search:

ID	Name	Phone	Email	Company Name	Date Submitted	Bid Amount	View Bid
2757	Todd Flatt	(601) 278-5326	tflatt@tristatetruck.com	Tri State Truck Center	04-30-2024 10:03:40 am	\$165,787.00	

Showing 1 to 1 of 1 entries

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Tractor



412 Highway 49 S.
Richland, MS 39218

Proposal for
2025 Conventional Tractor Bids

Contact: Todd Flatt

Contact Phone Number: 601-278-5326

Primary Email Address: tflatt@tristatetruck.com

A handwritten signature in blue ink, appearing to read "Todd Flatt", is written over a horizontal line.

Authorized Signature

4/24/2024

Date

MADISON COUNTY, MISSISSIPPI
INVITATION FOR BIDS
Conventional Tractor

The Madison County Board of Supervisors will receive un-priced proposals on the following:

1. Conventional Tractor

Un-priced proposals will be accepted until 10:00 a.m. on Thursday, April 25, 2024 by electronic submission at <http://www.madison-co.com/bids> or in sealed envelope at the Chancery Clerk's Office, 125 West North Street, Canton, Mississippi. For any questions relating to the electronic submission process, please call Kesha Jackson at 601-855-5534.

Submitted un-priced proposals will be evaluated, and vendors submitting acceptable proposals will be invited to submit priced bids. Bidding will be held by electronic reverse auction on Tuesday, April 30, 2024, at 10:00 a.m. Bidders may come to the Office of Purchasing with a paper bid and receive technical assistance in entering their bid in the reverse auction.

Specifications for the Conventional Tractor are available on the bid page of the Madison County Board of Supervisors at: <http://www.madison-co.com/bids>. Additionally, specifications are on file in the Chancery Clerk's Office, Madison County Office Complex, 125 West North Street, Canton, Mississippi, 39046 and available during normal business hours. There is no charge for specifications obtained using either of these methods.

All bids must comply with the specifications provided. Madison County reserves the right to amend the specifications, as necessary, and agrees to notify all who have requested bid packets from the Madison County Board of Supervisors.

The Madison County Board of Supervisors reserves the right to extend the auction date if necessary, to complete the bid proposal pre-qualification process.

Electronic proposals must be submitted at <http://www.madison-co.com/bids>.

All in-person submitted un-priced proposals must be sealed and clearly labeled on the outside of the bid envelope as instructed in the bid package and delivered to the Chancery Clerk's Office, at 125 West North Street, Canton, Mississippi.

The Board of Supervisors reserves the right to reject any and all bids.

SUBMITTED:

MADISON COUNTY JOURNAL

FOR PUBLICATION ON:

Thursday, March 28, 2024
Thursday, April 4, 2024

PROOF OF PUBLICATION TO:

Madison County Chancery Clerk
PO Box 404
Canton, MS 39046

Madison County Board of Supervisors
Bid Specifications For
 New 2025 Model or Newer Conventional Tractor

Complete by Checking the Following
 IF NOT COMPLIANT, state **Specifically** the item being offered

	<u>YES</u>	<u>NO</u>	<u>OFFERED</u>
<u>Wheelbase/Frame</u>			
HD- Axel Forward- NO EXCEPTIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Wheelbase 219"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
CA 135"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Platform 189"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
AF 56"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
BBC – Minimum 120" With Flush Mount Bumper	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Frame – 10.47" X 3.54" X .31 Steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
with 1,810,000 in lbs. per rail			
Flush Mounted Bright Finish Steel Bumper			
with two tow hooks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
HD Crossmembers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
<u>Engine</u>			
Electronically controlled 4-cycle diesel, in line 6 cyl., Turbocharged with air-to-air inter-cooler, minimum 780 cubic inch sleeved engine, minimum of 445 HP with 1850 ft/lbs. torque, all spin-on filters (fuel, oil, water).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

Initial 77 Date 4/24/24

	<u>YES</u>	<u>NO</u>	<u>OFFERED</u>
Air Compressor – 18.7 CFM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Alternator – 12V 160A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Batteries – Group 31 650/1950 Threaded Stud Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Bug Screen	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Texaco Long Life Engine Coolant to -37 Deg F	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Engine Break	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Engine Block Heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Electronic Variable Fan Clutch	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Fuel-Water Separator	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Starter – 12-Volt	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Exhaust –Dual Bright Finish Vertical Exhaust	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Diesel Particulate Filter Frame Mounted RH	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Side Under Cab			
D.P.F. Serviceable Without Special Tools	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
<u>Transmission/Clutch/Drive Lines</u>			
12 Speed Automated Manual	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Must be HD with overdrive	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Synthetic Fluid	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Riveline Main Meritor RPL25	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

Initial *JF* Date *4/29/24*

	<u>YES</u>	<u>NO</u>	<u>OFFERED</u>
Driveline – Interaxle Meritor RPL20	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
<u>Front Axle</u>			
Front Axle – 12,000 lb	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Springs – Taper-leaf 12,000 lb. Ground Rating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Front Shock Absorbers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Integral Power Steering	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Slack Adjusters Automatic	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Brakes – Meritor 16.5" X 7" Cast Spider	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Wheels – Polished Aluminum Disc Alcoa Ultra One 24.5 X 8.25 Hub Piloted	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Tires – 11R X 24.5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Tapered King Pins with no Adjustment Required	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Unitized wheel hubs with permanent wheel seals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Dust Shields	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
<u>Rear Axle</u>			
Rear Axle – 40,000 lb. double reduction with 40,000 lb. Air Ride with dump valve	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Power Divider Lockout	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

Initial JA Date 4/24/24

	<u>YES</u>	<u>NO</u>	<u>OFFERED</u>
Slack Adjusters Automatic	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Brakes – Meritor “S” Cam type 16.5 X 6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Dust Shields	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Wheels – Aluminum Alco Ultra One 24.5 X 8.25	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Tires – 11R X 24.5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Synthetic Lubricant	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

**NOTE: Bids will only be accepted on the following Rear Axles:
Mack S40R or Dana-Spicer DP403-P**

Cab (Interior Features)

AM/FM Radio with CD, MP3, Weatherband, Handsfree Interface, and Bluetooth	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Coat Hooks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Dispatch Box Mounted on Rear Panel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Overhead Console including 2 Storage Compartments With Retaining Nets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Heater with Integral Defroster	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Air Conditioner Factory Installed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Dome Lights – 2 Driver’s side, 2 Passenger Side	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Steering Wheel, 2 Spoke Uretane Grip and Flat Bottom	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

For Driver Comfort and Exta Room

Initial JA Date 4/24/24

	<u>YES</u>	<u>NO</u>	<u>OFFERED</u>
Infinitely Adjusting Steering Column, Tilt and Telescope	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Seats:			
Driver – Air—High Back with 4 Chamber Air Lumbar, Bolster, and Extension	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Rider – Non-Suspension	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Seat Belts – Driver and Rider Lap & Shoulder With Cab Mounted Shoulder Belt	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Sun Visors Interior– LH and RH	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Floor Mats – Polyurethane	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
T.M.C. Recommended Instrument Panel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Driver Information Display	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Air Pressure Gauge – Dual	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Voltmeter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Fuel Level Gauge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Engine Oil Pressure Gauge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Exhaust Pyrometer Gauge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Engine Coolant Temperature Gauge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Transmission Oil Temperature Gauge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Low Air Pressure Indicator (Light and Buzzer)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

Initial 77 Date 4/24/24

	<u>YES</u>	<u>NO</u>	<u>OFFERED</u>
Manifold Pressure Gauge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Speedometer/Trip Odometer, Electronic	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Tachometer with Hourmeter, Electronic	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
High Beam Indicator	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Parking Brake On Indicator	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Key Type Starting	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Engine Shutoff – Key-Type Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Courtesy Light Switch (Head and Clearance)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Directional Signal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Premium Interior with Cloth/Vinyl Seats	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Fire Extinguisher – 5lb. ABC/AMEREX	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

Cab (Exterior Features)

Welded Steel Shell, Galvanized	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Rust Preventative Procedures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Fender Extensions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Vents – Screened, Fresh Air Inlet for Heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Cab Steps – Two Step Aluminum with Self Cleaning Threads	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

Initial JA Date 4/24/24

	<u>YES</u>	<u>NO</u>	<u>OFFERED</u>
Safety Glass Windows	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Exterior Sun Visor Stainless Steel Bright Finish	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Bright Finish Grill and Surround	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Tinted Two piece Windshields, Side and Rear Glass	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Windshield Wipers – Two, Fixed Arm and Blade Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Wiper Motor – Electric (2), Two speed Intermittent	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Windshield Washers – Electric Wiper Mtd. with 5 qt. (4.7 L) Translucent Reservoir	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Mirrors – West Coast Bright Finish, Includes 8” Convex RH & LH with Stainless Swing Away Arms, Heated and Motorized	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Headlamps – 2 Flush Mounted with Replaceable Bulb	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Daytime Running Lights	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Identification and Clearance Lamps Bullet (5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Side Markers - Lamps and Reflectors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Front Turn Signals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Transistorized Flasher	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Horns – Air, 2 Mounted each side of Cab & Electric (Single Tone)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

Initial 77 Date 4/24/24

	<u>YES</u>	<u>NO</u>	<u>OFFERED</u>
Doors – Galvanized Steel with: Power Windows and Visibility Door	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Grab Handles – Aluminum RH & LH Behind Door	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Cab Mounting – Dual Air Suspended Rear	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
<u>Fuel Tank</u>			
Fuel Tank – LH 117 Gallon Aluminum	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Fuel Tank- RH 50 Gallon Aluminum	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
DEF Tank – 18.4 Gallon Frame Mounted	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
<u>Air Brakes</u>			
Air Dryer Heated 1200 w/ coalescing Oil Filter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Aluminum Air Tanks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
ABS System	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Hand Control Valve for Service Brakes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Manual Drain Valves w/ lanyards on All Tanks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Trailer Air Brake Connection to back of cab	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Trailer Electrical Receptical, to back of cab	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

Initial ZJ Date 4/24/24

Electrical

YES **NO** **OFFERED**

Electric Circuit Protection Package

Waterproof Electrical Connections

Paint

Paint Cab & Interior – DuPont White

Chassis & Running Gear – DuPont Black

PTO/Wet Kit

Dual Line Wet Kit

Dual Pressure Pump to accommodate

Dump trailer & Low Boy Trailer

Made in the USA

Engine's Final Assembly in United States

Chassis Final Assembly in United States

Service Location

Factory Authorized Parts and Service

Facility staffed with Full Time Factory Trained Personnel to be located within 50 miles of domiciled location.

Selling Dealer must have factory trained mobile technicians to provide service at your location.

Initial Date 4/24/24

Guaranteed Buy-Back

Buy-Backs will only be accepted from the selling dealer _____

NO 3rd Party Residuals will be allowed

YES **NO** **OFFERED**

Warranty

Three year/300,000 Mile "Bumper to Bumper" _____

Bidder Must attach a list of covered items.

Todd Flaw
4/24/24

MANDATORY BID SHEET

COMPANY NAME: TRI STATE TRUCK CENTER

ADDRESS: 412 Hwy 49 South; Richland, Ms. 39218

TELEPHONE: 601-278-5326

FAX NUMBER: 601-932-3406

EMAIL: tflatt@tristatetruck.com

Todd Flatt
AUTHORIZED REPRESENTATIVE'S SIGNATURE

DATE

Todd Flatt

4/24/24

PRINTED AUTHORIZED REPRESENTATIVE'S NAME HERE

PROPOSAL SHEET MUST BE SIGNED AND DATED BY AN AUTHORIZED COMPANY REPRESENTATIVE

MUST INCLUDE PRODUCT SUMMARY, INCLUDING DETAILS OF ALL FEATURES AND OPTIONS OF PROPOSED VEHICLE

MACK ENGINE PROTECTION PLAN 2



ENGINE PROTECTION PLAN 2 CERTIFICATE

(Valid for trucks ordered on or after April 2, 2018 or plans purchased February 19, 2018 or later)

Mack Trucks, Inc. ("Mack Trucks"), warrants certain individual components of each new Mack truck to be free from defects in material and workmanship under normal use and service up to the periods specified, provided all Mack Trucks maintenance and inspection requirements are followed. This extended coverage plan ("Protection Plan") provides additional coverage from failures of specified components or parts ("Covered Parts") that may occur after the Mack Standard Truck Warranty has expired and until the expiration of this Protection Plan. All warranty periods are calculated from date in service. This Protection Plan applies only to Mack trucks operated exclusively in the United States and Canada.

Mack Trucks' obligation under this Protection Plan is limited to, at its sole option, repair or replacement at a Mack Trucks authorized dealer of Covered Parts that are returned within the coverage period and acknowledged by Mack Trucks to be defective. Covered repairs must be performed by a Mack Trucks authorized dealer. All coverage is 100% for parts and labor except as noted. All parts replaced shall become the property of Mack Trucks.

This Protection Plan provides coverage for the following Covered Parts until the earliest to occur of the time/mileage/hours purchased, subject to the following Qualifications and Limitations.

Engine Plan 2 Covered Parts List

Covered Parts	Qualifications and Limitations
Air Compressor	Includes: sprocket and mounting bolts
Bearings	All internally lubricated bearings and bushings only.
Camshaft, Caps and Bolts	Failures resulting from the valve and injector adjustments not being maintained properly are NOT covered. Normal maintenance adjustments are NOT covered.
Connecting Rods, Caps, and Bolts	
Coolant Duct Cover	
Coolant Pump Assembly	
Crankcase Ventilation Assembly	
Crankshaft	
Crankshaft Hub	
Cylinder Block	Includes: Casting, main caps, bolts
Cylinder Block Heater	
Cylinder Head	Includes: assembly, casting, bolts, plugs, sleeves
EGR (Exhaust Gas Recirculation) Components	All components including clamps, control valve, cooler, fittings, gaskets, mixer, pipes, and EGR wiring harness. Excludes: EGR cooler vibration damper which is a maintenance item.

Continued on Page 2...

THIS WARRANTY IS MADE EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES OR CONDITIONS, STATUTORY OR OTHERWISE, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER OBLIGATION OR LIABILITY ON THE PART OF THE MANUFACTURER INCLUDING, WITHOUT LIMITATION OF THE FOREGOING, CONSEQUENTIAL AND INCIDENTAL DAMAGES. MACK TRUCKS NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF VEHICLES, COMPONENTS OR PARTS.

This Warranty is subject to Mack Trucks' Standard Warranty Limitations and Exclusions, which are printed on page 3 of this Warranty Certificate and are available through a Mack Trucks

MACK ENGINE PROTECTION PLAN 2



Covered Parts	Qualifications and Limitations
Electrical EA Harness Supplied with Engine	(From EECU to sensors and injectors and actuators)
Engine Brake Mechanism - PowerLeash™	Includes: PowerLeash™ control valve and PowerLeash™ rocker arms (factory installed only)
Engine Electronic Control Unit (EECU)	
Engine Heat Shield	
Engine Mounted Sensors	Includes: Coolant temperature, crankcase pressure, crankshaft (engine timing), EGR temperature and pressure, engine oil level and temperature, engine oil pressure, engine position (camshaft), fuel pressure and temperature, intake boost pressure and temperature, Inlet manifold air (temperature and pressure)
Exhaust Manifold	Includes: Casting, joint seals, rings or wraps
Fan Belt Tensioner Assembly and Bracket	Excludes: Fan belts
Flywheel	Includes: Housing and ring gear
Fuel Filter Housing	Excludes: Filters
Fuel Injection System	Includes: Injectors, sleeves, common rail assembly (electronic fuel pressure regulator and pressure sensor)
Fuel Transfer Pump	
Gaskets, Seals, O Rings, Silicon Sealant	
Gears	All internally lubricated gears only (timing and idler gears)
Hoses and Lines, Supplied with Engine	Fluid carrying: engine to engine mounted
Idler Pulleys	
Intake Manifold and Throttle Assembly	
Ladder Frame	
Oil Cooler	Engine oil cooler only
Oil Fill Tube and Cap	
Oil Filter Housing	Excludes: Oil filters
Oil Pan	
Oil Pump	
Piston Assembly	Includes: Cooler nozzles, liners, pistons, rings
Power Steering Pump	
Pre-Heater	Includes: Preheat relay, terminals, power cables. Factory installed only.
PTO Drive / REPTO (Rear Engine Mounted PTO Drive)	Factory installed only; Excludes all pumps or driven gears
Rocker Arm Assembly and Shafts	Includes: PowerLeash™ rockers and non- PowerLeash™ rockers. Failures resulting from the valve and injector adjustments not being maintained properly are NOT covered. Normal maintenance adjustments are NOT covered.
Thermostat (Coolant)	Includes: Thermostat side cover
Timing Gear Cover and Mounting Plate	
Turbocharger Assembly	Includes: VGT actuator module, HE+ Package, if included
Valve Assembly	Includes: Guides, keepers, rotators, seats, springs, valves; failures resulting from the valve adjustments not being maintained properly are NOT covered. Normal maintenance adjustments are NOT covered.
Valve Cover	
Valve Yokes (Bridge) and Pins	Failures resulting from the valve adjustments not being maintained properly are NOT covered. Normal maintenance adjustments are NOT covered.
Vibration Dampers and Bolts	
Covered Telematics Components	Qualifications and Limitations
Mack Proprietary Hardware (Factory Installed)	Includes: Wiring Harness, Telematics Gateway (TGW) control unit.
Software (GuardDog® Connect)	Includes: GuardDog Connect with Remote Programming follow Engine Plan term up to 60 months. After 60 months, a GuardDog Connect subscription may be purchased.

This Warranty is subject to Mack Trucks' Standard Warranty Limitations and Exclusions, which are printed on page 3 of this Warranty Certificate and are available through a Mack Trucks

THESE LIMITATIONS AND EXCLUSIONS ARE IMPORTANT AND MUST BE READ AND UNDERSTOOD.

LIMITATIONS - Mack Trucks' obligation is limited to, at its sole option, repair or replacement of parts which are acknowledged by it to be defective. The defective parts or assemblies replaced shall become the property of Mack Trucks. Warranty repairs performed by an authorized Mack dealer in accordance with the terms of the warranty set forth herein are free of charge. Warranty consideration can only be given if the deficiency is brought to the attention of an authorized Mack dealer upon discovery and the vehicle must be made available, in a timely fashion during the coverage period, for repair.

EXCLUSIONS:

- REPAIR:** In the case of acknowledged defective Covered Parts, exchange with factory remanufactured parts may occur. Warranty repairs do not constitute an extension of any warranty period for any vehicle, component or part.
- DAMAGES:** Damages due to misapplication, misuse, accidents, negligence, improper operations, alterations, storage or transport, operation at excessive speeds, loading beyond the factory rated load capacity, failure to follow Mack Trucks' recommended inspection, maintenance, and service procedures, and improper or insufficient maintenance services are not covered.
- PROGRESSIVE DAMAGE:** Damages due to failure of operator to take reasonable precautions to mitigate damage are not covered. Damages to a Covered Part due to failure of non-covered part are not covered. Coverage is limited to failure of a Covered Part directly causing failure of a non-covered part, where reasonable precautions were taken to mitigate damages.
- APPLICATION:** The selling dealer is responsible for designating the correct application and/or specification for a vehicle sold to a customer. Damages due to misapplication, including but not limited to, failures of component parts of vehicles being operated in excess of factory rated load capacities, or the use of a vehicle, component or part for a purpose for which it was not intended are not covered.
- ALTERATIONS:** Any vehicle, component or part repaired, altered, or inspected in any way, so as to adversely affect, in Mack Trucks' sole judgment, its stability, durability, or reliability, is not covered.
- NON-ORIGINAL EQUIPMENT:** Any part of the vehicle that fails, malfunctions, or does not perform as a result of improper conversion or installation of bodies or equipment by other manufacturers or suppliers is not covered.
- MAINTENANCE AND PARTS CONSUMED:** Maintenance and inspection requirements found in the Operator's Manuals and service manuals/instructions, including, but not limited to, engine tune-up, fuel system cleaning, replacement of lubricants and filter elements, adjustments of the engine injection pump/transmission/brakes/linkages, as well as diagnosis, test time and all other adjustments must be followed and are not covered. Parts which are normally consumed or worn out during the vehicle's normal service life and customarily replaced during usual maintenance service, including, but not limited to, mud flaps and brackets, brake linings, clutch brake, and clutch linings, are not covered.
- PERFORMANCE COMPLAINTS:** Performance complaints are not covered (including, but not limited to, low power and/or poor fuel economy). Coverage is limited to defects in material and workmanship of a Covered Part directly causing the performance issue.
- WEAROUT:** Mack Trucks does not cover normal wear of Covered Parts. Failures attributable to wear are excluded. For example and without limitation, the wear rate of parts in any engine or transmission, and especially those parts within the combustion area and clutch housing area, will vary depending upon operating conditions and environment. Conditions, such as load, trailer configuration, road speed and road conditions, as well as the quality of fuel, lubrication oil, and all filters bear a direct relationship to the wear rate and resulting life of parts. Depending upon the severity of these various conditions, parts wear and resulting failure could occur within the time limit of the coverage.
- NON-GENUINE PARTS:** Any failure of any vehicle, component or part caused by the use of parts and accessories, or major assemblies and exchange units, which do not meet factory standards is not covered.
- ODOMETER READING:** Any vehicle on which the actual mileage or hours cannot readily be determined, or on which the odometer, hour meter, or Electronic Control Unit has been disconnected, disabled, or altered, may not be covered by this warranty.
- ACCESS TO INFORMATION:** Owner must allow Mack Trucks full access to all stored and broadcasted data from all Electronic Control Modules; failure to do so may result in the loss of warranty coverage.
- LABOR:** Labor to remove and install a Covered Part is included only if a Mack Trucks authorized dealer originally installed the Covered Part. Labor for overtime and/or shift differential is not covered. Excessive labor for a warrantable repair due to the prior installation of equipment or body is not covered.
- MISC. EXPENSE:** Meals, lodging, communications charges, travel time and expense, loss of cargo, downtime, loss of profit/revenue, rental vehicles, driver's wages and other miscellaneous expenses are not covered. Shop supplies, lube oil, lubricants, sealers, anti-freeze, filter elements and labor performed by a non-approved location are not covered.
- ADDITIONAL COMPONENTS:** Components or parts that are not installed by Mack Trucks, including winches, power take-offs, dumper, mixer and refuse assemblies, hoists and bodies or other special equipment are not covered. During a warrantable repair, additional time to remove any customer installed components will not be covered under warranty. Mack Trucks' factory manufacturing records will be determinative as to factory installed components.
- TOWING:** Unless expressly provided in this Warranty Certificate, expenses for towing or road service are not covered. Failures caused by improper towing technique are not covered.
- SUSPENSION PARTS:** Suspension parts, including but not limited to rubber bushings, torque rod bushings, spring pins and bushings, and greased lubrication points that fail due to improper maintenance, abnormally severe service or abuse are not covered.
- CAB STRUCTURE AND CORROSION:** Cab structural defects or cab corrosion that occurs in areas of the cab that previously were damaged, repaired, altered or modified are not covered. Cab corrosion where metal is perforated from the outside to the inside is not covered.
- VENDOR ENGINES, ALLISON AUTOMATIC TRANSMISSIONS and ALTERNATE FUEL STORAGE AND DELIVERY SYSTEMS:** Vendor engines, Allison automatic transmissions and alternate fuel (CNG/LNG/DME) fuel storage/delivery components used in Mack trucks are warranted by their respective manufacturers and not by Mack Trucks, Inc. Refer to the manufacturers' warranty statements.
- OIL CONSUMPTION:** Before a claim based upon excessive oil consumption will be considered, the owner must provide proof that all recommended maintenance has been performed and submit adequate documentation to show that oil consumption exceeds Mack Trucks' published standards. Under no circumstances will warranty pay for repairs related to excessive oil consumption after the earlier of 24 months, 250,000 miles, 402,000 kilometers, or 6,250 engine hours.
- ENVIRONMENTAL DAMAGE:** Parts made out of cloth, leather, wood, rubber, synthetics, paint or chrome which have been affected by exposure to the elements or chemical influence including, but not limited to, road salts/chemicals, industrial fall-out or the use of improper cleaners, polishes and or waxes are not covered.
- ALIGNMENT:** Alignment of axle(s), balance of tires, changing of axle camber, caster, toe and thrust angle are not covered.
- GLASS:** Glass breakage and scratches are not covered unless physical proof of manufacturing responsibility is established.
- TIRES:** Tires are not covered by this warranty, but may be covered by separate warranties given by their respective manufacturers.
- CHANGES:** Mack Trucks reserves the right to make any changes in design, or make additions to or upon its products, without incurring any obligations to install the same changes on vehicles previously built.

THIS WARRANTY IS MADE EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, REPRESENTATIONS OR CONDITIONS, STATUTORY OR OTHERWISE, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER OBLIGATION OR LIABILITY ON THE PART OF THE MANUFACTURER INCLUDING, WITHOUT LIMITATION OF THE FOREGOING, CONSEQUENTIAL, INDIRECT, AND INCIDENTAL DAMAGES. MANUFACTURER NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF VEHICLES, COMPONENTS OR

MACK

Mack Trucks, Inc.
Post Office Box 28259
7825 National Service Road
Greensboro, North Carolina 27409



MACK EXHAUST AFTERTREATMENT SYSTEM PROTECTION PLAN

EXHAUST AFTERTREATMENT SYSTEM EPA 2014 and newer

Mack Trucks, Inc. ("Mack Trucks"), warrants certain individual components of each new Mack truck to be free from defects in material and workmanship under normal use and service up to the periods specified, provided all Mack Trucks maintenance and inspection requirements are followed. This extended coverage plan ("Protection Plan") provides additional coverage from failures of specified components or parts ("Covered Parts") that may occur after the Mack Standard Truck Warranty has expired and until the expiration of this Protection Plan. All warranty periods are calculated from date in service. This Protection Plan applies only to Mack trucks operated exclusively in the United States and Canada.

Mack Trucks' obligation under this Protection Plan is limited to, at its sole option, repair or replacement at a Mack Trucks authorized dealer of Covered Parts that are returned within the coverage period and acknowledged by Mack Trucks to be defective. Covered repairs must be performed by a Mack Trucks authorized dealer. All coverage is 100% for parts and labor except as noted. All parts replaced shall become the property of Mack Trucks.

This Protection Plan provides coverage for the following Covered Parts until the earliest to occur of the time/mileage/hours purchased, subject to the following Qualifications and Limitations.

Exhaust Aftertreatment System Covered Parts List

Covered Parts	Qualifications and Limitations
Aftertreatment Control Module (ACM)	
AHI Module, Nozzle and Valve	
DEF Pump Assembly	
DEF Tank Assembly	Includes: Tank, Tank Heater/Sender, Heated hoses
DPF Assembly	Includes: AHI / 7th Injector
Exhaust Aftertreatment Sensors	Includes: Sensor harnesses that is part of DPF and SCR assemblies. Does not include chassis harness.
SCR Assembly	

THIS WARRANTY IS MADE EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES OR CONDITIONS, STATUTORY OR OTHERWISE, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER OBLIGATION OR LIABILITY ON THE PART OF THE MANUFACTURER INCLUDING, WITHOUT LIMITATION OF THE FOREGOING, CONSEQUENTIAL AND INCIDENTAL DAMAGES. MACK TRUCKS NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF VEHICLES, COMPONENTS OR PARTS.

This Warranty is subject to Mack Trucks' Standard Warranty Limitations and Exclusions, which are printed on page 2 of this Warranty Certificate and are available through a Mack Trucks authorized dealer.

MACK TRUCKS INC ("MACK TRUCKS") STANDARD WARRANTY LIMITATIONS & EXCLUSIONS

1. **REPAIR:** In the case of acknowledged defective Covered Parts, exchange with factory remanufactured parts may occur. Warranty repairs do not constitute an extension of any warranty period for any vehicle, component or part.
- DAMAGES:** Damages due to misapplication, misuse, accidents, negligence, improper operations, alterations, storage or transport, operation at excessive speeds, loading beyond the factory rated load capacity, failure to follow Mack Trucks' recommended inspection, maintenance, and service procedures, and improper or insufficient maintenance services are not covered.
3. **PROGRESSIVE DAMAGE:** Damages due to failure of operator to take reasonable precautions to mitigate damage are not covered. Damages to a Covered Part due to failure of non-covered part are not covered. Coverage is limited to failure of a Covered Part directly causing failure of a non-covered part, where reasonable precautions were taken to mitigate damages.
4. **APPLICATION:** The selling dealer is responsible for designating the correct application and/or specification for a vehicle sold to a customer. Damages due to misapplication, including but not limited to, failures of component parts of vehicles being operated in excess of factory rated load capacities, or the use of a vehicle, component or part for a purpose for which it was not intended are not covered.
5. **ALTERATIONS:** Any vehicle, component or part repaired, altered, or inspected in any way, so as to adversely affect, in Mack Trucks' sole judgment, its stability, durability, or reliability, is not covered.
6. **NON-ORIGINAL EQUIPMENT:** Any part of the vehicle that fails, malfunctions, or does not perform as a result of improper conversion or installation of bodies or equipment by other manufacturers or suppliers is not covered.
7. **MAINTENANCE AND PARTS CONSUMED:** Maintenance and inspection requirements found in the Operator's Manuals and service manuals/instructions, including, but not limited to, engine tune-up, fuel system cleaning, replacement of lubricants and filter elements, adjustments of the engine injection pump/transmission/brakes/linkages, as well as diagnosis, test time and all other adjustments must be followed and are not covered. Parts which are normally consumed or worn out during the vehicle's normal service life and customarily replaced during usual maintenance service are not covered.
8. **PERFORMANCE COMPLAINTS:** Performance complaints are not covered (including, but not limited to, low power and/or poor fuel economy). Coverage is limited to defects in material and workmanship of a Covered Part directly causing the performance issue.
9. **WEAROUT:** Mack Trucks does not cover normal wear of Covered Parts. Failures attributable to wear are excluded. For example and without limitation, the wear rate of parts in any engine or transmission, and especially those parts within the combustion area and clutch housing area, will vary depending upon operating conditions and environment. Conditions, such as load, trailer configuration, road speed and road conditions, as well as the quality of fuel, lubrication oil, and all filters bear a direct relationship to the wear rate and resulting life of parts. Depending upon the severity of these various conditions, parts wear and resulting failure could occur within the time limit of the coverage.
10. **NON-STANDARD PARTS:** Any failure of any vehicle, component or part caused by the use of parts and accessories, or major assemblies and exchange units, which do not meet factory standards is not covered.
11. **ODOMETER READING:** Any vehicle on which the actual mileage or hours cannot readily be determined, or on which the odometer, hour meter, or Electronic Control Unit has been disconnected, disabled, or altered, may not be covered by this warranty.
12. **ACCESS TO INFORMATION:** Owner must allow Mack Trucks full access to all data stored in all Electronic Control Modules; failure to do so may result in the loss of warranty coverage.
13. **LABOR:** Labor to remove and install a Covered Part is included only if a Mack Trucks authorized dealer originally installed the Covered Part. Labor for overtime and/or shift differential is not covered. Excessive labor for a warrantable repair due to the prior installation of equipment or body is not covered.
14. **MISC. EXPENSE:** Meals, lodging, communications charges, travel time and expense, loss of cargo, downtime, loss of profit/revenue, rental vehicles, driver's wages and other miscellaneous expenses are not covered. Shop supplies, lube oil, lubricants, sealers, anti-freeze, filter elements and labor performed by a non-approved location are not covered.
15. **ADDITIONAL COMPONENTS:** Components or parts that are not installed by Mack Trucks, including winches, power take-offs, dumper, mixer and refuse assemblies, hoists and bodies or other special equipment are not covered. Mack Trucks' factory manufacturing records will be determinative as to factory installed components.
16. **TOWING:** Unless expressly provided in this Warranty Certificate, expenses for towing or road service calls are not covered. Failures caused by improper towing technique are not covered.
17. **SUSPENSION PARTS:** Suspension parts, including but not limited to rubber bushings, torque rod bushings, spring pins and bushings, and greased lubrication points that fail due to improper maintenance, abnormally severe service or abuse are not covered.
18. **CAB STRUCTURE AND CORROSION:** Cab structural defects or cab corrosion that occurs in areas of the cab that previously were damaged, repaired, altered or modified are not covered.
19. **ENGINES AND TRANSMISSIONS:** Engines and automatic transmissions that are not manufactured by Mack Trucks are warranted by their respective manufacturers and not by Mack Trucks. Refer to the engine and transmission manufacturers' warranty statements.
20. **OIL CONSUMPTION:** Before a claim based upon excessive oil consumption will be considered, the owner must provide proof that all recommended maintenance has been performed and submit adequate documentation to show that oil consumption exceeds Mack Trucks' published standards. Under no circumstances will warranty pay for repairs related to excessive oil consumption after the earlier of 24 months, 250,000 miles, 402,000 kilometers, or 6,250 engine hours.
21. **ENVIRONMENTAL DAMAGE:** Parts made out of cloth, leather, wood, rubber, synthetics, paint or chrome which have been affected by exposure to the elements or chemical influence including, but not limited to, road salts/chemicals, industrial fall-out or the use of improper cleaners, polishes and or waxes are not covered.
22. **ALIGNMENT:** Alignment of axle(s), balance of tires, changing of axle camber, caster, toe and thrust angle are not covered.
23. **GLASS:** Glass breakage and scratches are not covered unless physical proof of manufacturing responsibility is established.
24. **TIRES:** Tires are not covered by this warranty, but may be covered by separate warranties given by their respective manufacturers.
25. **CHANGES:** Mack Trucks reserves the right to make any changes in design, or make additions to or upon its products, without incurring any obligations to install the same changes on vehicles previously built.

THIS WARRANTY IS MADE EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES OR CONDITIONS, STATUTORY OR OTHERWISE, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER OBLIGATION OR LIABILITY ON THE PART OF THE MANUFACTURER INCLUDING, WITHOUT LIMITATION OF THE FOREGOING, CONSEQUENTIAL AND INCIDENTAL DAMAGES. MACK TRUCKS NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF VEHICLES, COMPONENTS OR PARTS.



MACK TRUCKS INC., WARRANTY CERTIFICATE FOR CHASSIS PROTECTION PLAN 2 (EPA 2014 and LATER)

Mack Trucks, Inc. ("Mack Trucks"), warrants certain individual components of each new Mack truck to be free from defects in material and workmanship under normal use and service up to the periods specified, provided all Mack Trucks maintenance and inspection requirements are followed. This extended coverage plan ("Protection Plan") provides additional coverage from failures of specified components or parts ("Covered Parts") that may occur after the Mack Standard Truck Warranty has expired and until the expiration of this Protection Plan. All warranty periods are calculated from date in service. This Protection Plan applies only to Mack trucks operated exclusively in the United States and Canada.

Mack Trucks' obligation under this Protection Plan is limited to, at its sole option, repair or replacement at a Mack Trucks authorized dealer of Covered Parts that are returned within the coverage period and acknowledged by Mack Trucks to be defective. Covered repairs must be performed by a Mack Trucks authorized dealer. All coverage is 100% for parts and labor except as noted. All parts replaced shall become the property of Mack Trucks.

This Protection Plan provides coverage for the following Covered Parts until the earliest to occur of the time/mileage/hours purchased, subject to the following Qualifications and Limitations.

Chassis Plan 2 Covered Parts List

Air System	Qualifications and Limitations
Air Dryer	Includes: Purge Valve and Relief Valve Excludes: Maintenance
Air Governor	
Air Reservoir	
Cowl Vent	
Brakes & Wheel Ends	Qualifications and Limitations
ABS	Includes: Control Module, Relay Valves, Modulators, Wiring Harness and Sensors
Axle Shafts	
Brake Assembly	Includes: Cam Roller, Return Spring and Spider Excludes: Brake Lining, Rotors, and Wear and Tear Items
Brake Chamber	
Brake Piping	Includes: Piping Excludes: Plastic Airline Piping
Brake Valves	Includes: ATC Valve
Disc Brake Caliper	Excludes: All Bushings
Hub	Includes: Hub, Hub Caps and Wheel Bearings Excludes: Wheels/Rims and Wheel Seats
Hubodometer	
Slack Adjuster	
Continued on Page 2...	

THIS WARRANTY IS MADE EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES OR CONDITIONS, STATUTORY OR OTHERWISE, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER OBLIGATION OR LIABILITY ON THE PART OF THE MANUFACTURER INCLUDING, WITHOUT LIMITATION OF THE FOREGOING, CONSEQUENTIAL AND INCIDENTAL DAMAGES. MACK TRUCKS, INC. NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF VEHICLES, COMPONENTS OR PARTS.

This Warranty is subject to Mack Trucks' Standard Warranty Limitations and Exclusions, which are printed on page 5 of this Warranty Certificate and are available through a Volvo Trucks authorized dealer.



Chassis Plan 2 Covered Parts List (Continued from page 1)

Cab Covered Components	Qualifications and Limitations
Bumper and Bumper Brackets	
Cab	Includes: Frame of Cab, Cab Mounting Excludes: Corrosion, Glass, Paint and Shock Absorbers
Cab Steps	
Charge Air Cooler	Includes: Charged Air Cooler Piping
Door	Includes: Hinges, Handles, Door Post Lock, Hinge, Locks and Window Regulator Excludes: Glass
Gear Shifter and Assembly	Includes: Knob, Piping, Selector and Wires Excludes: Vendor Transmission Gear Selectors
Factory-Installed Air Fairing, Deflectors and Extensions	Limited to: Chassis Fairings, Ground Effect Extensions, Roof Deflectors, Cab Side Deflectors, Adjustable Roof Extensions, Side Deflector Extensions, Bumper Deflectors, A-pillar Deflectors
Grab Handles	
Hood Assembly	Includes: Grill, Hood, Hood Mounting, Ornament, Base and Release Cable Excludes: Hood struts / Shock Absorbers
Interior Trim	Excludes: Wear and Tear
Keyless Entry	Receiver Module and Transmitter
Mirrors	Includes: Mounting Hardware
Pedals	Includes: Accelerator, Brake and Clutch Pedal and Interior Linkage
Seats	Includes: Seats, Safety Belts and Air Springs Excludes: Shock Absorbers
Sleeper Box	
Sun Visor	Includes: Interior Visor and Factory-Installed Exterior Visors
Windshield Seal	Includes: Front and Rear Windshield Seal Excludes: Windshield
Windshield Washer & Wiper System	Includes: Reservoir, Piping, Nozzles, Wiper Motor, Arms, Linkage and Valve Excludes: Wiper Blades
Telematics	Qualifications and Limitations
Telematics Hardware (Factory Installed)	Includes: Wiring Harness Excludes: Software and Software Updates
Driveline	Qualifications and Limitations
Center Hanger Bracket and Bearing	
Drive Shafts, U-Joints & Yokes	Includes: Sealed U-Joints Excludes: Greaseable U-Joints
Electrical Covered Components	Qualifications and Limitations
Alternator	Includes: Mounting and Pulley
Appliances, Audio and Video	Includes: Factory Installed Camera, Camera module and Radio Excludes: TV, DVD, Microwave, Refrigerator, Remote Controls and Communication Radio
Battery Cables	Excludes: Battery and Corrosion Damage
Inverter	Includes: Factory Installed AC/DC and DC/DC converter
Circuit Breakers	Excludes: Fuses
Fuse Box	Excludes: Fuses
Instrument Panel	Includes: Alarm, Assembly, Speedometer, Tachometer and Display Excludes: Bulbs
Lights	Includes: LED light assemblies (module, control unit, fan and heat sink) Excludes: Bulbs/Fluorescent Lights/Ballasts
Relays	Includes: DRL Excludes: Starter Motor AUX Relay located on starter

Continued on Page 3...

This Warranty is subject to Mack Trucks' Standard Warranty Limitations and Exclusions, which are printed on page 5 of this Warranty Certificate and are available through a Volvo Trucks authorized dealer.



Chassis Plan 2 Covered Parts List (Continued from page 2)

Sensors	Excludes: Engine Mounted Sensors, EATS Sensors, Transmission and non-proprietary Sensors
Starter	Includes: Starter Motor and Relay Excludes: Solenoid and AUX Relay, Starters on Cummins CNG engines
Switches	
Vehicle Electronic Control Unit	
Wire Harness	Includes: Cab and Chassis Related Harnesses Excludes: EATS, EGR Wire Harness, Engine Harness, Block Heater, Vendor Harness, and Trailer Cables
Engine Accessories	Qualifications and Limitations
Air Cleaner Housing	Includes: Housing, Indicator, Mounting and Piping
Chassis Mounted Engine Oil Filter Mounting	
Exhaust System Shields	Excludes: Flex Pipe
Expansion Tank and Mounting	Includes: Cap, Tank and Mounting
Fan	Includes: Fan Drive, Shroud and Fan Spacer Excludes: All Belts, Tensioners and Idler on the Engine
Fuel Tank	Includes: Tank, Mounting, Piping (from tank to primary fuel filter), Valve and Fuel Tank Level Sensor Excludes: Alternate Fuel Storage
Fuel Warmer and Separator	Excludes: Filter and Seal
Oil Filler	Includes: Tube, Cap, Dipstick Guide and Dipstick
Radiator	Includes: Radiator, Cap and Mounting Excludes: All Bushings
Transmission Mounting	
Frame	Qualifications and Limitations
Battery Box	
Crossmembers	Includes: Hulk Bolts Excludes: Mud Flaps and Brackets
Engine Mounting	Excludes: Engine Mount Isolators / Shock Absorbers, all Bushing and Rubber Cushions
Fifth Wheel (Factory Installed)	Includes: Deckboard, Helper, Ramp and Air Cylinder
Frame Rails	
Tow Hook	
HVAC	Qualifications and Limitations
Air Conditioner Compressor	Includes: Pulley and mounting bolts
Air Conditioning Condenser	Dryer covered only when replacement is necessary due to a failure of a covered part
Air Conditioning Evaporator	
Auxiliary Climate Unit	Includes: Parking Heater and Wiring Harness Excludes: Battery Powered Parking Cooler
Blower Motor	Includes: Resister
Dryer	Covered ONLY when replacement is necessary due to failure of a covered part
Expansion Valve	
Heater Controls	
Heater Control Valve	
Heater Core	
Heater Ducts	
Continued on Page 4...	

This Warranty is subject to Mack Trucks' Standard Warranty Limitations and Exclusions, which are printed on page 5 of this Warranty Certificate and are available through a Volvo Trucks authorized dealer.



Chassis Plan 2 Covered Parts List (Continued from page 3)

Heater Fan	
Heater Housing and Drain Pain	
Heater Thermostat	
Lines and Tubes	Includes: A/C Hoses
Mode Box	
Mounting Brackets and Braces	
Safety Options	Qualifications and Limitations
Collision Avoidance System (Factory Installed) Bendix Wingman	Includes: Windshield Camera, Forward Radar, Control Unit, Forward Collision Display, Sensors Excludes: Windshield
Lane Departure System (Factory Installed)	Includes: Windshield Camera, Lane Change Support Display, Control Unit, Sensors Excludes: Windshield
Blind Spot Detection System (Factory Installed)	Includes: Side Radar Unit, Side Object Detection Display, Radar Bracket
Steering	Qualifications and Limitations
Active Steering System (Factory Installed) Command Steer	Includes: Steering Gear and Electronic Control Unit
Steering Axle I Beam	
Steering Column	Includes: Column Lock, Cable
Steering Gear	Includes: Bearing, Drag Link, Mounting Bracket, Pitman Arms and Seals Excludes: All Bushings
Steering Knuckle	Excludes: Bearings, Bushing and King Pin
Steering Pump	Includes: Reservoir
Steering Shaft	Includes: U-Joint
Steering Wheel	Includes: Horn Button and Contract Ring Excludes: SRS Airbag
Cross Steering Tube	Includes: Tie Rods Excludes: Tie Rod Ends
Suspension	Qualifications and Limitations
Liftable Axles (Factory Installed)	Includes: Electric Control System, Pressure Sensor, Level Control, Torsion Shaft, Electrical Parts
Shock Absorber Mounting Brackets	Excludes: Shocks Absorbers
Spring Mounting Brackets, Clips and Huck Bolts	
Springs Front, Rear and Helper	
Stabilizer Bar and Brackets	
Suspension	Limited to: OEM Suspension and Hendrickson-Manufactured Suspension Components Excludes: Air Bags
Torque Rod	Excludes: All Bushings, Spring Pin
Transmission Oil Cooler & Piping	Qualifications and Limitations
Transmission Oil Cooler & Piping	Limited to: OEM Installed Chassis Mounted
Excludes: All Transmissions and Clutches	

LIMITATIONS AND EXCLUSIONS ARE LISTED ON THE FOLLOWING PAGE

This Warranty is subject to Mack Trucks' Standard Warranty Limitations and Exclusions, which are printed on page 5 of this Warranty Certificate and are available through a Volvo Trucks authorized dealer.



THESE LIMITATIONS AND EXCLUSIONS ARE IMPORTANT AND MUST BE READ AND UNDERSTOOD.

LIMITATIONS – Mack Trucks' obligation is limited to, at its sole option, repair or replacement of parts which are acknowledged by It to be defective. The defective parts or assemblies replaced shall become the property of Mack Trucks. Warranty repairs performed by an authorized Mack dealer in accordance with the terms of the warranty set forth herein are free of charge. Warranty consideration can only be given if the deficiency is brought to the attention of an authorized Mack dealer upon discovery and the vehicle must be made available, in a timely fashion during the coverage period, for repair.

EXCLUSIONS:

1. **REPAIR:** In the case of acknowledged defective Covered Parts, exchange with factory remanufactured parts may occur. Warranty repairs do not constitute an extension of any warranty period for any vehicle, component or part.
2. **DAMAGES:** Damages due to misapplication, misuse, accidents, negligence, improper operations, alterations, storage or transport, operation at excessive speeds, loading beyond the factory rated load capacity, failure to follow Mack Trucks' recommended inspection, maintenance, and service procedures, and improper or insufficient maintenance services are not covered.
3. **PROGRESSIVE DAMAGE:** Damages due to failure of operator to take reasonable precautions to mitigate damage are not covered. Damages to a Covered Part due to failure of non-covered part are not covered. Coverage is limited to failure of a Covered Part directly causing failure of a non-covered part, where reasonable precautions were taken to mitigate damages.
4. **APPLICATION:** The selling dealer is responsible for designating the correct application and/or specification for a vehicle sold to a customer. Damages due to misapplication, including but not limited to, failures of component parts of vehicles being operated in excess of factory rated load capacities, or the use of a vehicle, component or part for a purpose for which it was not intended are not covered.
5. **ALTERATIONS:** Any vehicle, component or part repaired, altered, or inspected in any way, so as to adversely affect, in Mack Trucks' sole judgment, its stability, durability, or reliability, is not covered.
6. **NON-ORIGINAL EQUIPMENT:** Any part of the vehicle that falls, malfunctions, or does not perform as a result of improper conversion or installation of bodies or equipment by other manufacturers or suppliers is not covered.
7. **MAINTENANCE AND PARTS CONSUMED:** Maintenance and inspection requirements found in the Operator's Manuals and service manuals/instructions, including, but not limited to, engine tune-up, fuel system cleaning, replacement of lubricants and filter elements, adjustments of the engine injection pump/transmission/brakes/linkages, as well as diagnosis, test time and all other adjustments must be followed and are not covered. Parts which are normally consumed or worn out during the vehicle's normal service life and customarily replaced during usual maintenance service, including, but not limited to, mud flaps and brackets, brake linings, clutch brake, and clutch linings, are not covered.
8. **PERFORMANCE COMPLAINTS:** Performance complaints are not covered (including, but not limited to, low power and/or poor fuel economy). Coverage is limited to defects in material and workmanship of a Covered Part directly causing the performance issue.
9. **WEAROUT:** Mack Trucks does not cover normal wear of Covered Parts. Failures attributable to wear are excluded. For example and without limitation, the wear rate of parts in any engine or transmission, and especially those parts within the combustion area and clutch housing area, will vary depending upon operating conditions and environment. Conditions, such as load, trailer configuration, road speed and road conditions, as well as the quality of fuel, lubrication oil, and all filters bear a direct relationship to the wear rate and resulting life of parts. Depending upon the severity of these various conditions, parts wear and resulting failure could occur within the time limit of the coverage.
10. **NON-GENUINE PARTS:** Any failure of any vehicle, component or part caused by the use of parts and accessories, or major assemblies and exchange units, which do not meet factory standards is not covered.
11. **ODOMETER READING:** Any vehicle on which the actual mileage or hours cannot readily be determined, or on which the odometer, hour meter, or Electronic Control Unit has been disconnected, disabled, or altered, may not be covered by this warranty.
12. **ACCESS TO INFORMATION:** Owner must allow Mack Trucks full access to all data stored in all Electronic Control Modules; failure to do so may result in the loss of warranty coverage.
13. **LABOR:** Labor to remove and install a Covered Part is included only if a Mack Trucks authorized dealer originally installed the Covered Part. Labor for overtime and/or shift differential is not covered. Excessive labor for a warrantable repair due to the prior installation of equipment or body is not covered.
14. **MISC. EXPENSE:** Meals, lodging, communications charges, travel time and expense, loss of cargo, downtime, loss of profit/revenue, rental vehicles, driver's wages and other miscellaneous expenses are not covered. Shop supplies, lube oil, lubricants, sealers, anti-freeze, filter elements and labor performed by a non-approved location are not covered.
15. **ADDITIONAL COMPONENTS:** Components or parts that are not installed by Mack Trucks, including winches, power take-offs, dumper, mixer and refuse assemblies, hoists and bodies or other special equipment are not covered. During a warrantable repair, additional time to remove any customer installed components will not be covered under warranty. Mack Trucks' factory manufacturing records will be determinative as to factory installed components.
16. **TOWING:** Unless expressly provided in this Warranty Certificate, expenses for towing or road service are not covered. Failures caused by improper towing technique are not covered.
17. **SUSPENSION PARTS:** Suspension parts, including but not limited to rubber bushings, torque rod bushings, spring pins and bushings, and greased lubrication points that fail due to improper maintenance, abnormally severe service or abuse are not covered.
18. **CAB STRUCTURE AND CORROSION:** Cab structural defects or cab corrosion that occurs in areas of the cab that previously were damaged, repaired, altered or modified are not covered. Cab corrosion where metal is perforated from the outside to the inside is not covered.
19. **VENDOR ENGINES, ALLISON AUTOMATIC TRANSMISSIONS and ALTERNATE FUEL STORAGE AND DELIVERY SYSTEMS:** Vendor engines, Allison automatic transmissions and alternate fuel (CNG/LNG/DME) fuel storage/delivery components used in Mack trucks are warranted by their respective manufacturers and not by Mack Trucks, Inc. Refer to the manufacturers' warranty statements.
20. **OIL CONSUMPTION:** Before a claim based upon excessive oil consumption will be considered, the owner must provide proof that all recommended maintenance has been performed and submit adequate documentation to show that oil consumption exceeds Mack Trucks' published standards. Under no circumstances will warranty pay for repairs related to excessive oil consumption after the earlier of 24 months, 250,000 miles, or 402,000 kilometers.
21. **ENVIRONMENTAL DAMAGE:** Parts made out of cloth, leather, wood, rubber, synthetics, paint or chrome, which have been affected by exposure to the elements or chemical influence including, but not limited to, road salt/chemicals, industrial fall-out or the use of improper cleaners, polishes and/or waxes are not covered.
22. **ALIGNMENT:** Alignment of axle(s), balance of tires, changing of axle camber, caster, toe and thrust angle are not covered.
23. **GLASS:** Glass breakage and scratches are not covered unless physical proof of manufacturing responsibility is established.
24. **TIRES:** Except as expressly provided in warranty certificates covering Green House Gas (GHG) components, tires are covered only under warranties provided by the tire manufacturer.
25. **CHANGES:** Mack Trucks reserves the right to make any changes in design, or make additions to or upon its products, without incurring any obligations to install the same changes on vehicles previously built.

MACK®

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Greensboro, North Carolina 27409



Thank you for giving us this opportunity to provide a quote.

This proposal contains the complete specification and performance details of the Mack model configured for your application. Every proposed spec from Mack is prepared with lowest total cost of ownership and highest return on investment as the key objectives for our customers.

This reflects Mack's focus on application excellence to deliver uptime and fuel economy, reduced maintenance, driver satisfaction, productivity and high resale value. The enclosed spec and recommendations have been carefully designed to meet all these objectives.

Beyond the technical specifications contained in this proposal, it's important to remember that each Mack truck is backed by Mack Connect, the industry's leading uptime and productivity solution, plus a coast-to-coast network of dealer service locations. I think that after reviewing this proposal you will realize why Mack is "The American Truck You Can Count On."

I look forward to meeting with you and to discuss any questions you might have regarding this proposal.

Yours sincerely

PREPARED FOR

MADISON COUNTY BRD SUPRVSR
3137 S LIBERTY ST
CANTON
MS 390468826

DATE

4/24/2024

PREPARED BY

TRI-STATE TRUCK CENTER, INC.
412 HIGHWAY 49 S
RICHLAND
MS 392188403

QUOTE INFORMATION

TRIST2024000052C639
PINNACLE 64T DAYCAB
Qty: 6

TODD FLATT

TRI-STATE TRUCK CENTER, INC.

TECHNICAL SPECIFICATION

PINNACLE 64T DAYCAB



MODEL DEFINING		DESCRIPTION
S	PRICE BOOK LEVEL	2025B Pricebook
S	VOLTAGE	ELECTRICAL SYSTEM 12 VOLT

CUSTOMER/VEHICLE INFO		DESCRIPTION
S	CHASSIS (BASE MODEL)	PINNACLE 64T DAYCAB
S	ASSEMBLY PLANT	Made in Macungie, PA USA
	CUSTOMER FLEET SIZE	DEALER FLEET WITH LESS THAN 25 VEHICLES IN OWN FLEET OF ANY VEHICLE BRAND
S	ORDER TYPE REQUIREMENTS	RETAIL OR STOCK - CUSTOM SPECIFICATIONS
S	TYPE OF SERVICE	COMMERCIAL
S	WARRANTY REGISTRATION LOCATION	USA - WARRANTY REGISTRATION LOCATION
	EMISSION WARRANTY CERTIFICATION	EPA (only) for Mack MP7 / MP8 Diesel
	INTENDED REGISTRATION LOCATION	MISSISSIPPI
S	INITIAL REGISTRATION LOCATION	USA REGISTRATION
	BRAND ORNAMENT	BULLDOG, GOLD
S	LANGUAGE-PUBS/DECAL/SIGNS	ENGLISH
	VEHICLE USE & BODY/TRAILER TYPE	LOW BOY MACHINERY TRAILER
	TRANSPORT CYCLE	LESS THAN ONE DELIVERY OR PICK-UP OF GOODS EVERY 50KM
S	GROSS COMBINATION WEIGHT (CA in PC29 only)	80,000 LB (36 TONNES) GROSS COMBINATION WEIGHT
S	BRAKE REGULATION	BRAKE REGULATION, STOPPING DISTANCE 76M (250FT)
	TOPOGRAPHY	GRADES <3% GREATER THAN 98% OF DRIVING DISTANCE MAX GRADE 8%
S	AMBIENT TEMP UPPER LIMIT (GTA)	AMBIENT TEMPERATURE HOT. WARMER THAN 104 F (40 C) ALLOWED UP TO 25 HOURS PER YEAR
S	OPERATING TERRAIN GRADE CONDITIONS	ON HIGHWAY, STARTING GRADES<16%
S	LOADING SURFACE FACTOR	CONCRETE LOADING AND / OR UNLOADING SURFACE
	VEHICLE VOCATION	LINEHAUL / LONG HAUL SERVICE

ENGINE/TRANSMISSIONS		DESCRIPTION
	ENGINE PACKAGE, COMBUSTION	MP8-445C MACK 445HP @ 1400-1700 RPM (PEAK) 2100 RPM (GOV) 1850 LB-FT, US'21
S	GEAR SELECTION TUNING	BASIC, GEAR-SELECTION TUNING
S	GHG APPLICATION, VEHICLE	GREEN HOUSE GAS HIGHWAY APPLICATION
S	TRANSMISSION	MACK TMD12AFO mDRIVE 12 SP-(OVERDRIVE)
S	GEARBOX 12TH GEAR LOCK-OUT	WITHOUT 12TH GEARBOX GEAR LOCK-OUT

EXHAUST/EMISSIONS		DESCRIPTION
	NOX LIMITS	CARB LEGACY / EPA (200MG/HP/HR), 50 State Idle Compliance
S	IDLE EMISSION LABEL LOCATION (CA in PC29 only)	IDLE EMISSION LABEL LOCATION, LOWER LH CORNER OF DRIVER DOOR
S	DPF DIESEL PARTICULATE FILTER	CLEARTECH ONE BOX E.A.T.S. RH SIDE UNDER CAB US17 / US21
	CHASSIS MOUNTED EMISSIONS FINISH	BRIGHT FINISH DEF COVER & STAINLESS STEEL DPF COVER
S	DIESEL EXHAUST FLUID TANK	18.4 GALLON (70 L) 26" LEFT SIDE FRAME MOUNTED
	EXHAUST	DUAL VERTICAL OUTBOARD MOUNTED STRAIGHT EXHAUST STACK TURNED OUT END
S	EXHAUST STACK HEIGHT	11' 6" FROM GROUND
	EXHAUST SYSTEM MATERIAL FINISH	DUAL, BRIGHT FINISH HEAT SHIELDS, STACKS
	EMISSION ON BOARD DIAG CONTROL	EMISSION OBD, DISPLAY ONLY, USA2024

TECHNICAL SPECIFICATION *(cont.)*



ENGINE EQUIPMENT		DESCRIPTION
	AIR CLEANER	UNDER HOOD SINGLE ELEMENT DRY TYPE W/AIR INTAKE FROM BOTH SIDES OF HOOD
S	BUG SCREEN	BLACK ALUMINUM BUG SCREEN MOUNTED BEHIND GRILLE, WITHOUT WINTER FRONT COVER
	AIR COMPRESSOR/DRYER	WABCO AIR HEATED SS-HP AIR DRYER W/ WABCO 318 (18.7 CFM) AIR COMPRESSOR
S	AIR DRYER POSITION (CA)	AIR DRYER POSITION STANDARD
S	ALTERNATOR	DELCO 12V 160A (28SI) BRUSH-TYPE
S	BATTERIES	(3) MACK 12V 760/2280 CCA THREADED STUD TYPE
S	BATTERY BOX - MOUNTING (x)	RH RAIL UNDER CAB (3 BATTERY MAX)
	BATTERY BOX COVER	POLISHED ALUMINUM
	BATTERY DISCONNECT SWITCH	FLAMING RIVER BIG SWITCH WIRED TO POSITIVE SIDE
	STARTER MOTOR	12 VOLT MELCO STARTER (MITSUBISHI ELECTRIC)
	ENGINE BRAKE	MACK MP8 POWERLEASH
S	ENGINE BRAKE LIGHTING (CA)	VEHICLE AND TRAILER (IF APPLICABLE) STOP LAMPS ACTIVATE UPON SERVICE BRAKE APPLICATION ONLY(3899000)
S	ENGINE BRAKE ACTIVATION	ENGINE BRAKE ACTIVATION, BASIC
S	FAN DRIVE	BEHR FAN AND ELECTRONIC MODULATING VISCOUS FAN DRIVE
S	COOLANT PROTECTION	ETHYLENE GLYCOL FULLY FORMULATED COOLANT (50/50 MIX DYED PINK) TO -34DEG, W/ FILTER
S	HOSES - RADIATOR/HEATER	MACK EPDM RADIATOR & HEATER HOSES
S	FUEL-WATER SEPARATOR	MACK W/MANUAL DRAIN VALVE V2 (INTEGRAL W/ PRIMARY FUEL FILTER)
S	PRIMARY FUEL FILTER POSITION (CA)	STANDARD FUEL FILTER POSITION
S	ENGINE HEATERS	120v 1500w BLOCK HEATER ONLY (120V-15A PLUG)
S	OIL SUMP	OIL PAN
	TETHER DEV PKG, CAPS & COVERS	FURNISH FOR OIL FILL CAP, OVERFLOW TANK CAP, BATTERY BOX COVER, AND POWER STEERING RESERVOIR CAP
S	ENGINE STOP, EMERGENCY (CA in PC29 only)	WITHOUT ENGINE STOP, EMERGENCY

CLUTCH/TRANS EQUIPMENT		DESCRIPTION
S	GEAR SHIFTER	MACK mDRIVE-PREMIUM SHIFTER
S	CLUTCH	ZF/SACHS SINGLE PLATE 17" (430MM) ORGANIC MATERIAL
S	CLUTCH ACTUATION SYSTEM & PEDAL PAD	WITHOUT CLUTCH CABLE SYSTEM
	MINIMUM REQUIRED DRIVELINE SIZE (KAX)	MINIMUM REQUIRED DRIVELINE FOR KAX, PROPS-L
	DRIVELINE - MAIN	SPICER SPL250HDXL LITE - LARGE (PROPS-L)
	DRIVELINE - INTERAXLE	SPICER SPL250XL "LITE SERIES"
S	PROPELLR SHAFT MAIN, UNVSL JNT	UNIVERSAL JOINT HALF-ROUND TYPE
S	PROP SHAFT INTERAXL UNIV JOINT	HALF-ROUND UNIVERSAL JOINT
S	TRANSMISSION OUTPUT TORQUE	TRANSMISSION OUTPUT TORQUE BASIC
S	LUBRICANTS, TRANSMISSION	SYNTHETIC OIL IN TRANSMISSION
S	TRANSMISSION OIL COOLER	MACK mDRIVE TRANSMISSION OIL COOLER MOUNTED LH SIDE OIL TO WATER COOLER
	HILL START ASSIST	GRADE GRIPPER

FRONT AXLE EQUIPMENT		DESCRIPTION
S	FRONT AXLE	12000# (5400 KG) MACK FXL12 STRAIGHT SPINDLE/UNITIZED BEARINGS
S	SPRINGS - FRONT	MACK TAPERLEAF HD 12000# (5400 KG) GROUND LOAD RATING, EQUAL BIAS
	FRONT AXLE BRAKES	MERITOR "S" CAM TYPE 16.5" x 5" Q+
	BRAKE, FRONT	CAST IRON

TECHNICAL SPECIFICATION *(cont.)*



FRONT AXLE EQUIPMENT		DESCRIPTION
	FRONT BRAKE ADJ. MANUFACTURE	HALDEX - AUTOMATIC
	FRONT BRAKE CHAMBER MFG.	FRONT BRAKE CHAMBER MANUFACTURER, HALDEX
	HUB MATERIAL, FRONT	FERROUS
S	FRONT AXLE LUBRICANT	FRONT AXLE LUBE, FAG NLGI2 GREASE
S	STEERING	TRW THP60 POWER

REAR AXLE EQUIPMENT		DESCRIPTION
	REAR AXLE	40000# (18100kg) MACK S40R FABRICATED STEEL HOUSING
S	REAR AXLE CASING WIDTH	W/O WIDE TRACK AXLE
S	DRIVE AXLE LUBRICANT	DRIVE AXLE LUBE, SHELL 75W90 SYNTHETIC OIL
	CARRIER - REAR AXLE	150/151 SERIES (Tandem Mack Rear Axles up to 150,000lb GCW)
S	POWER DIVIDER LOCKOUT	INTERAXLE POWER DIVIDER LOCKOUT, W/BUZZER & LIGHT
	REAR AXLE RATIO	3.40 RATIO
	REAR SUSPENSION	SAL40 MACK AL-402 AIR 40,000 lb CAPACITY (NOT FOR USE WITH AIR DISC BRAKES)
S	BOGIE SPREAD, REAR	52" AXLE SPACING (BOGIE WHEELBASE)
S	SUSPENSION LEVELLING DEVICE (CA in PC29 only)	ELECTRICAL REGULATION LEVELING DEVICE
S	AIR SUSPENSION DUMP WARNING	AIR SUSPENSION DUMP, SPEED LIMITED, WARNING INDICATOR & BUZZER
S	REAR SHOCK ABSORBER	REAR SHOCK ABSORBER
S	TRANSVERSE TORQUE RODS, R SUSP	TRANSVERSE TORQUE ROD - ALL AXLES
S	AUX.SPRING BRAKE QTY	AUX SPRING BRAKE QTY, 4 CHAMBERS
	BRAKES - REAR	MERITOR "S" CAM 16.5"x7" Q+ (Total for QTY = 2)
S	BRAKE, DRIVE, REAR	CAST IRON
S	REAR BRAKE ADJ MANUFACTURE	HALDEX - AUTOMATIC (Total for QTY = 2)
	REAR BRAKE CHAMBER SIZE	REAR SPRING BRAKE CHAMBERS 30/30 TYPE
	BRAKE ORI REAR-MOST DRIVE AXLE	DRUM BRAKE CHAMBER ORIENTATION: Middle Mount - Forward of Axle - Chamber Up
S	PARKING BRAKE CHAMBER	HALDEX "GOLD SEAL PLUS" (3" STROKE) BRAKE CHAMBERS (Total for QTY = 2)
S	HUB MATERIAL, DRIVE	ALUMINUM PRESET REAR HUB W/INTEGRATED SPINDLE NUT
S	ANTILOCK BRAKE SYSTEM	MACK ROAD STABILITY ADVANTAGE BENDIX ABS/ATC/ESP W/YAW CONTROL 4S4M
S	BRAKE VALVE VERSION	BENDIX SWITCHES AND VALVES WHERE POSSIBLE

FRAME EQUIPMENT/FUEL TANKS		DESCRIPTION
	WHEELBASE	219"
S	AF (OVERHANG)	56"
	FRAME RAILS & LINERS	8 x 90 x 266mm - (0.31" x 3.54" x 10.47"); RBM 1,810,000 LB-IN
S	CROSSMEMBERS	STEEL
S	REAR CROSSMEMBER OPTIONS	BOXED AND TAPERED CLOSING CROSSMEMBER FOR USE W/ BUILT IN TAIL LAMPS
S	REAR FRAME TREATMENT	FURNISH TAPERED & FLANGED FRAME RAIL ENDS (28 DEG) FOR USE W/BUILT IN TAIL LAMPS
	MUDFLAP HANGERS, REAR AXLE	BETTS B60S (ANGLED) STAINLESS STEEL W/INTEGRATED REFLECTIVE TAPE
S	MUDFLAP, FRONT AXLE	BLACK POLYARMOUR (NO NAME TO APPEAR ON FLAP) (NOT ANTI-SPRAY TYPE)
S	FRONT BUMPER	FLUSH-STAINLESS CLAD ALUMINUM
S	FUEL LEVEL SENDER UNIT, LIQUID	BASIC FUEL LEVEL SENDER MOUNTED ON L.H TANK
	FUEL TANK - LH	117 GALLON (445 L) 26" ALUMINUM ROUND
	FUEL TANK - RH	50 GALLON (190 L) 26" ALUMINUM ROUND
	FUEL TANK POLISH OPTION	POLISHED ALUMINUM
	FUEL HOSES, LIQUID	NYLON TUBE

TECHNICAL SPECIFICATION *(cont.)*



FRAME EQUIPMENT/FUEL TANKS		DESCRIPTION
S	FUEL FILLER NECK OPTIONS	WITHOUT FILLER NECK SCREEN, WITH NON-LOCKABLE FUEL TANK CAP
	FUEL LINE OPTIONS, LIQUID	DUAL DRAW AND RETURN FUEL SYSTEM
S	CAB INSTEP VERSION	STANDARD 2 STEP CAB ACCESS
S	STEPS (BRIGHT) - FUEL TANK	STANDARD FINISH STEPS AND BRIGHT FINISH STRAPS
	QUARTER FENDERS	STAINLESS STEEL QUARTER FENDERS

AIR/BRAKE		DESCRIPTION
S	AIRTANK DRAIN VALVE	MANUAL DRAIN VALVES, WITH LANYARD ON SUPPLY TANK ONLY
	AIRTANK MATERIAL	ALUMINUM AIR TANK, POLISHED ALUMINUM FINISH
S	RELOCATE AIR RESERVOIRS	W/O RELOCATED AIR TANKS
S	PARKING BRAKE VALVE	TWO (2) VALVE DUAL BRAKE SYSTEM - TRAILER SUPPLY AND TRACTOR-TRAILER PARK

ELECTRICAL		DESCRIPTION
	DASH MOUNTED SWITCHES	TWO (2) EXTRA DASH MOUNTED ILLUMINATED SWITCHES
	AUX. FOG LAMP	FOG LAMPS (ROUND)
S	ROOF & SIDE MARKER LIGHTS	(5) TRUCKLITE CHROME BULLET ROOF MARKER & STANDARD MARKER / DIRECTIONAL SIGNAL
S	HEADLAMP BULB TYPE	HEADLAMP BULB TYPE, LED
S	DAYTIME RUNNING LIGHTS	W/OVERRIDE SWITCH, PARK BRAKE & ENGINE RUNNING ACTIVATED
S	DRL OVERRIDE SPEED THRESHOLD	DRL OVERRIDE SPEED THRESHOLD 8 KMPH (5 MPH)
S	TAIL LAMPS	LED STOP & TAIL LAMPS W/BACKUP LAMP & LICENSE PLATE MTD IN CLOSING CROSSMEMBER

TRAILER CONNECTIONS		DESCRIPTION
	FIFTH WHEEL	AIR - JOST JSK-37USLN SERIES, LH RELEASE, NO-TILT
S	5TH WHEEL MOUNTING BRACKETS	SLIDING 5TH WHEEL MTG, 24" TRAVEL
S	FIFTH WHEEL ANGLE MATERIAL	STEEL FIFTH WHEEL ANGLES
S	5TH WHEEL ANGLE THICKNESS	5TH WHEEL ANGLE, 10MM THICKNESS
S	5TH WHEEL OFFSET	50" BOGIESPREAD = -1" OFFSET, 52" BS = 0", 54" BS = 1", 55" BS = 1.5", 4x2 = - 26"
	GROUND TO 5TH WHEEL TOP HGT. (CA in PC29 only)	1257MM (49.5") GROUND TO 5TH WHEEL TOP HEIGHT
	FIFTH WHEEL LEG-HEIGHT (KAX Result)	197MM (7.75"), FIFTH WHEEL LEG-HEIGHT (SELECTED BY KAX)
S	TRAILER GLAD HAND COUPLINGS	GLAD HAND COUPLINGS - NORTH AMERICAN STD
S	TRAILER BRAKE VALVE	HAND CONTROL VALVE FOR TRAILER BRAKES W/ AIR CONNECTIONS OR SERVICE BRAKES W/O AIR CONNECTIONS
S	TRAILER CONNECTION POSITION	TRAILER AIR BRAKE CONNECTIONS, BACK OF CAB
S	TRAILER ACCESS PACKAGE	LOW PROFILE DECK PLATE
	TRAILER BRAKE HOSEHANGER	TOWEL BAR - (2) SINGLE SPRING HOSE TENDER
S	TRAILER ELECTRICAL RECEPT	SINGLE, 7 PINS STD SAE TYPE, BACK OF CAB
	TRAILER BRAKE HOSES & CABLES	TRAILER AIR HOSES (12' COILED TYPE)
	TRAILER HOOKUP LIGHT	SINGLE TRUCKLITE SUPER-44 LED, RECESSED LHS BOC W/RUBBER GROMMET (TLR HOOK-UP
	TRAILR ELECTRICAL CABLE CONFIG	TRAILER ELECTRICAL CORD (12' COILED TYPE)
S	TRAILER CONNECTORS HOLDER	ELECTRICAL PLUG HOLDER (INCLUDES GLAD HAND STORAGE)

PTO		DESCRIPTION
S	PTO - REAR MOUNTED	mDRIVE Without PTO, Removable Block Off Plate
S	AMT/AUTOMATIC TRANS PTO FUNCT.	TRANSMISSION PTO FUNCTIONS BASIC

TECHNICAL SPECIFICATION *(cont.)*



PTO	DESCRIPTION	
S	POWER TAKE OFF CONTROL	mDRIVE SINGLE PTO PREP KIT W/ ILLUMINATED DASH MOUNTED SWITCH & PIPING FOR LOCAL INSTALL

SPECIALTY EQUIPMENT	DESCRIPTION	
S	AUXILIARY POWER UNIT	WITHOUT AUXILIARY POWER UNIT
S	LANE SUPPORT SYSTEM (LSS)	WITHOUT LANE SUPPORT SYSTEM
S	DATA CAPTURE	WITHOUT DATA CAPTURE
S	CAMERA, SURVEILLANCE	WITHOUT CAMERA

CAB INTERIOR (A THRU G)	DESCRIPTION	
S	SPEEDOMETER -&- GAUGES - UNIT(S) OF MEASURE	U.S. UNITS (PREDOMINANT)
	GAUGE OIL TEMP-REAR AXLE	REAR AXLE OIL TEMP GAUGE IN DID (DRIVER INFORMATION DISPLAY)
S	AIR CONDITIONING/HEATER	BLEND AIR HVAC W/"ATC" TEMP REGULATION
S	CUPHOLDER	CUPHOLDER
S	DOME LAMP, INTERIOR	(4) DOME LAMPS - DOOR AND SWITCH ACTIVATED
	FLOOR COVERING	POLYURETHANE FLOOR MAT W/ REMOVABLE INSERTS

CAB INTERIOR (H THRU R)	DESCRIPTION	
S	INSTMT CLUSTER LANGUAGE	DEFAULT: ENGLISH, SPANISH, FRENCH
S	KEY TYPES FOR DOORS	ALL CHASSIS KEYED AT RANDOM
S	DOOR OPENING OPTIONS	W/O ELECTRONIC KEYLESS ENTRY
S	FORWARD OVERHEAD STORAGE	COMPARTMENT W/NET
	AUDIO ACCOMMODATION	PREMIUM STEREO, AM/FM, MP3, WEATHER BAND, BLUETOOTH, SIRIUS/XM SATELLITE
S	ANTENNA - RADIO	48" ANTENNA RIGHT SIDE MIRROR MOUNTED
	ANTENNA - CB RADIO	48" ANTENNA LEFT SIDE MIRROR MOUNTED
S	POWER LEADS	POWER LEADS (5-WAY BINDING POSTS FOR CB RADIO) IN HEADER CONSOLE
S	AUDIO SPEAKER LOCATION	SPEAKER LOCATION, IN DOORS, MIDDLE HIGH SIDE PANEL
S	COM.RADIO PREP KIT (CB)	MOUNTING PLATE AND VELCRO STRAP IN HEADER CONSOLE
S	AUXILIARY REAR WINDOW	REAR WINDOW (FIXED TYPE)
S	REAR WALL STORAGE COMPARTMENT	STORAGE POUCH REAR
	REFLECTOR KIT	EMERGENCY REFLECTOR KIT MOUNTED PARALLEL & CENTERED AGAINST BOC

CAB INTERIOR (S THRU Z)	DESCRIPTION	
	INTERIOR TRIM LEVELS	PREFERRED TRIM PACKAGE, STEEL GRAY (Package 12A)
	SEAT - DRIVER'S	MACK-AIR, HIGH BACK, W/ ADJ AIR SHOCKS, 4 CHAMBER AIR LUMBAR, BOLSTER, EXTENSION, W/ HEAT
	SEAT COVERING - DRIVER'S	DRIVER'S SEAT - BLENDED BLACK & GREY ULTRA LEATHER
	SEAT - PASSENGER'S	MACK-FIXED, HIGH BACK, W/ STORAGE BOX
S	SEAT COVERING - PASSENGER'S	PASSENGER'S SEAT - BLENDED BLACK & GREY VINYL
	SEAT SUPPORT, DUST COVER	SEAT, DUST COVER FOR DRIVER'S SEAT
	SEAT ARMREST	INBOARD MOUNTED ARM REST, DRIVER'S SEAT ONLY
S	SEAT BELT(S)	LAP & SHOULDER (BOTH SEATS) CAB MOUNTED SHOULDER BELT ADJUSTMENT
S	SEAT BELT REMINDER	SEAT BELT REMINDER IN INSTRUMENT, WITH AUDIO
S	IGNITION TYPE	KEY TYPE
	STEERING WHEEL	2 SPOKE LEATHER GRIP, SATIN ALUMINUM SPOKES, WITH SWITCHES
S	WINDSHIELD TYPE	TWO PIECE WINDSHIELD

TECHNICAL SPECIFICATION *(cont.)*



CAB INTERIOR (S THRU Z)		DESCRIPTION
S	CAB GLASS	TINTED WINDSHIELD & SIDE WINDOWS & REAR WINDOW (IF EQUIPPED)
S	WINDSHIELD WIPERS	2 SPEED ELECTRIC MOTOR W/INTERMITTENT FEATURE

CAB - SLEEPER BOX		DESCRIPTION
S	REFRIGERATOR	W/O SLEEPER BOX REFRIGERATOR

CAB EXTERIOR		DESCRIPTION
S	EMBLEMS OPTION	W/O MISC ORNAMENT CHANGE OPTION
S	HOOD LATCH TYPE & FINISH	STRAP TYPE HOOD LATCH WITH BLACK FINISH
S	EXTERIOR TRIM FINISH AND PACKAGES	PINNACLE BLACK AIR INTAKE
S	GRILLE	HERITAGE DESIGN CHROME GRILLE W/ BLACK BACKGROUND
S	PASSENGER SIDE VISIBILITY OPTIONS	AUXILIARY WINDOW IN RH DOOR
	GRAB HANDLES	BF EXTERIOR CAB GRAB HANDLES, BLACK GRAB HANDLE RH INTERIOR WINDSHIELD POST
	HORN - AIR	(2) MACK RECTANGULAR SINGLE TRUMPET (ONE EACH SIDE OF CAB ROOF)
S	HORN - ELECTRICAL	DUAL TONE
	MIRRORS - EXTERIOR	BULLDOG STYLIZED MIRRORS - LH & RH HEATED & MOTORIZED AND ILLUMINATED W/INTEGRAL CONVEX MIRROR
	SUN VISOR - EXTERIOR	SUN VISOR, EXTERIOR, STAINLESS STEEL (UNPAINTED)

AERODYNAMIC DEVICES		DESCRIPTION
S	CAB AERODYNAMIC PACKAGES	WITHOUT CAB AERODYNAMIC DEVICES
S	FRONT CHASSIS AERODYNAMIC PACKAGE	WITHOUT FRONT AERODYNAMIC FAIRINGS
S	REAR CHASSIS AERODYNAMIC PACKAGE	WITHOUT REAR AERODYNAMIC FAIRING

WHEELS & TIRES		DESCRIPTION
	TIRES BRAND/TYPE - FRONT	11R24.5 G BRIDGESTONE R268 ECOPIA (13220 lbs) (Total for QTY = 2)
	WHEELS - FRONT	24.5x8.25 ACCURIDE ACCU-LITE 42362x POLISHED ALUMINUM, 6.59" OFFSET, 10 HAND HOLE (Total for QTY = 2)
	TIRES BRAND/TYPE - REAR	11R24.5 H BRIDGESTONE M726 ELA (26440 lbs) (DRIVE ONLY) (Total for QTY = 8)
	WHEELS - REAR	24.5x8.25 ACCURIDE ACCU-LITE 42362x POLISHED ALUMINUM, 6.59" OFFSET, 10 HAND HOLE (Total for QTY = 8)
S	TIRE INFLATION VALVE	STANDARD VALVE STEMS AND CAPS
S	FRONT HUB/WHEEL TRIM	WITHOUT FRONT HUB/WHEEL TRIM
S	REAR HUB/WHEEL TRIM	WITHOUT REAR HUB/WHEEL TRIM (Total for QTY = 2)
S	WHEEL NUT & FINISH, FRONT	WHEEL NUT BASIC FINISH, FRONT
S	WHEEL NUT FINISH, REAR (CA)	WHEEL NUT BASIC FINISH, REAR

COMMUNICATION SYSTEMS		DESCRIPTION
S	CO-PILOT - DISPLAY FEATURES ACCESS LEVEL	CO-PILOT DISPLAY, DRIVER ACCESS LEVEL 1
S	TELEMATIC GATEWAY	TELEMATICS GATEWAY, 4G/LTE AND WLAN SYSTEM WITH DIAGNOSTIC SERVICES

ENGINE ELECTRONICS		DESCRIPTION
S	OIL PRESSURE, ENGINE SHUTDOWN	OIL PRESSURE, ENGINE SHUTDOWN
S	COOLANT TEMP, ENGINE SHUTDOWN	COOLANT TEMP, ENGINE SHUTDOWN
S	ENGINE PROTECTION SYSTEM	ENGINE PROTECTION (SHUTDOWN)

TECHNICAL SPECIFICATION *(cont.)*



ENGINE ELECTRONICS		DESCRIPTION
	ENGINE IDLE CONTROL	IDLE CONTROL, 650 RPM
S	SMART IDLE ELEVATED IDLE RPM TIME	INCREASE 10 MINUTE MAXIMUM TIME
S	IDLE S/D ABS TAMPER CHECK	IDLE SHUTDOWN ABS TAMPER CHECK, ENABLED
S	IDLE S/D WARNING TIME	WITHOUT IDLE S/D WARNING TIME
S	IDLE S/D IF WARM-UP TEMP	38C DEG (100F), WARM UP TEMP DELAY
S	IDLE S/D WARM-UP TIMER	5 MIN. WARM UP TIME DELAY
S	IDLE SHUTDOWN IF POWER > LIMIT	ENG IDLE SHUTDOWN TIME OVERRIDDEN IF TORQUE > THAN LIMIT
S	IDLE S/D OVERRIDE %ENGINE LOAD	IDLE SHUTDOWN OVERRIDE UPTO 20% ENGINE LOAD THRESHOLD
S	AMBIENT TEMP MIN TRESHOLD	AMBIENT TEMP MIN TRESHOLD, 16 DEG C, (60 DEG F)
S	AMBIENT TEMP MAX TRESHOLD	AMBIENT TEMP MAX TRESHOLD, 27 DEG C, (80 DEG F)
S	EL HD THROTTLE,MAX ROAD SPEED	ELECTRONIC HAND THROTTLE, MAX ROAD SPEED, 16 KMH (10 MPH)
	EL HAND THROTTLE,MAX ENG SPEED	ELECTRONIC HAND THROTTLE, MAX ENGINE SPEED, 2100 RPM
S	EL HAND THROTTLE,MIN ENG SPEED	ELECTRONIC HAND THROTTLE, MIN ENGINE SPEED, 700 RPM

TRANSMISSION ELECTRONICS		DESCRIPTION
	TRANSMISSION DRIVE MODE PACKAGES, mDRIVE	mDRIVE- NORMAL - ECON, & PERF DRIVE MODES, AUTO RETURN (premium)
	ECONO ROLL	ECONO ROLL DISABLE mDRIVE (REQUIRED FOR ALL OTHER TRANSMISSIONS)
S	TRANSMISSION KICK-DOWN MODE	MACKCELLERATOR ENABLE
	TRANSMISSION PROTECTION	TRANS. PROTECTION, ENGINE SHUT DOWN (HIGH TEMP.)
S	TRANSMISSION ELECTRONICS PACKAGE	W/O ELEC TRANS PACKAGE OPTION (all non-Allison transmissions)
	TRANSM AUTO NEUTRAL ON P-BRAKE	mDRIVE TRANSMISSION PARK BRAKE AUTO NEUTRAL
S	TRANSMISSION ELECTRONIC SHIFTING PROPERTIES	W/O ALLISON FUELSENSE 2.0 PROGRAMMING

VEHICLE ELECTRONICS		DESCRIPTION
S	ROAD SPEED LIMITER SETTING	105 KM/H ROAD SPEED LIMITER (65MPH)
	PEDAL RSL SETTING	105 KM/H PEDAL ROAD SPEED LIMITER (65MPH)
S	CRUISE CONTROL	CRUISE CONTROL
S	CRUISE CONTROL, MAX SPEED	MAX CRUISE, 105 KPH (65 MPH)
S	CRUISE CONTROL MIN SPEED	MIN CRUISE, 32 KPH (20 MPH)
S	CRUISE RESUME WITH CLUTCH	CRUISE RESUME WITH CLUTCH
S	ENG BRK ENGAGE IN CRUISE	ENG BRK ENGAGE IN CRUISE, 3 MPH, ABOVE SET SPEED
S	ROAD SPEED LIMIT CONTROL TYPE	RSL CONTROL TYPE NORMAL
	PDLO ENGAGED VLS	POWER DIVIDER LOCK OUT (PDLO) ROAD SPEED LIMIT 24KMH (15MPH)
	DIFF LOCK SPEED LIMIT	WITHOUT DIFFERENTIAL LOCK ROAD SPEED LIMIT
	MAXIMUM ENG SPEED AT 0 MPH	1950 MAXIMUM ENGINE SPEED AT 0 MPH
S	DETECTION SPEED SENSR TMPRNG	DETECTION OF SPEED SENSOR TAMPERING, ENABLE
S	ENG TORQUE LIMIT,SPEED SENSOR	ENG TORQUE LIMITED TO 50%, IF SPEED SENSOR TAMPER DETECTED
S	DRIVER ID FUNCTION	DRIVER ID FUNCTION, DISABLED
S	DR PERFORMANCE PARAMETERS	WITHOUT DRIVER PERFORMANCE PARAMETERS
S	ENGINE OVERSPEED,ALL COND, LOG	ENGINE OVERSPEED, ALL CONDITIONS, TIME LOG IF ABOVE 2200 RPM
S	ENGINE OVERSPEED,FUELED, LOG	ENGINE OVERSPEED, FUELED, TIME LOG IF ABOVE 2100 RPM
S	VEHICLE OVERSPEED,ALL COND,LOG	VEHICLE OVERSPEED,ALL COND, TIME LOG IF ABOVE 75MPH (121KMH)
S	VEHICLE OVERSPEED, FUELED, LOG	VEHICLE OVERSPEED, FUELED, TIME LOG IF ABOVE 70MPH (113KMH)
S	ENGINE IDLE DELAY TO LOG	ENGINE IDLE DELAY TO START LOG, 2 MIN

TECHNICAL SPECIFICATION (cont.)



VEHICLE ELECTRONICS		DESCRIPTION
S	PERIODIC TRIP LOG DAY OF MONTH	PERIODIC TRIP LOG, DAY 1 OF THE MONTH

PTO ELECTRONICS		DESCRIPTION
	TRANS PTO1 SPLITTER RANGE	PTO1 FOR SPLITTER RANGE - LOW
	TRANS PTO2 SPLITTER RANGE	PTO2 FOR SPLITTER RANGE - LOW

PAINT		DESCRIPTION
S	PAINT DESIGN	SINGLE COLOR
S	PAINT TYPE	SOLID PAINT
S	PAINT COLOR - FIRST COLOR	MACK WHITE; P9188
S	PAINT COLOR - SECOND COLOR	NO SECOND TRUCK COLOR PROVIDED; NO COLOR
S	PAINT COLOR - THIRD COLOR	NO THIRD TRUCK COLOR PROVIDED; NO COLOR
S	PAINT - CAB PAINT SYSTEM	PAINT - CAB, URETHANE CLEAR COAT
S	CAB COLOR	SAME AS FIRST COLOR - CAB
S	HOOD COLOR	SAME AS FIRST COLOR - HOOD
S	ROOF FAIRING COLOR	WITHOUT ROOF FAIRING
S	CHASSIS RUNNING GEAR	MACK BLACK (URETHANE); P3036
S	BUMPER	W/O OPTIONAL BUMPER PAINT
S	FUEL TANK - ***NO INVENTED VARIANTS ALLOWED in the FUEL TANK PAINT FAMILY***	W/O OPTIONAL FUEL TANK PAINT
S	HUBS & DRUMS-FRONT	SAME AS CHASSIS RUNNING GEAR
S	HUBS & DRUMS-REAR	SAME AS CHASSIS RUNNING GEAR

CALCULATED CODES - KAX		DESCRIPTION
S	PROPCALC SELECTION	YES, THE ORDER MUST BE CALCULATED
	AUTO ROUTING & CLIPPING, CENTER	AUTOMATIC ROUTING & CLIPPING PLACEMENT, CENTER SECTION

BASE WARRANTY & PURCHASED COVERAGES		DESCRIPTION
S	VEHICLE WARRANTY TYPE	NORMAL DUTY WARRANTY CLASSIFICATION
S	BASIC CHASSIS COVERAGE	NORMAL DUTY STANDARD BASE COVERAGE 12 MONTHS/100,000 MILES (160,934 KM)
	EMISSION - SURCHARGE	EPA (only) for Mack MP7 / MP8 Diesel
S	ENGINE WARRANTY	MACK MP7/MP8 BASE ENGINE COVERAGE 24 MONTHS / 250,000 MILES (402,000KM)
S	EMISSION COMPONENT COVERAGE	US and CANADA EQUIPPED VEHICLE EMISSION COMPONENTS COVERAGE 60 MONTHS/100,000 MILES (161,000 KM)
S	TRANSMISSION WARRANTY	mDRIVE TRANSMISSION NORMAL DUTY COVERAGE: 60 MONTHS OR 750,000 MILES
	CARRIER & AXLE HOUSING WARRANTY	STANDARD MACK NORMAL DUTY COVERAGE 60 MONTHS / 750,000 (1,207,008 KM)
S	AIR CONDITIONING WARRANTY	AIR CONDITIONING STANDARD COVERAGE (Sealed System Only) 12 MONTHS UNLIMITED MILEAGE
S	CHASSIS TOWING WARRANTY	STANDARD NORMAL / HEAVY DUTY CHASSIS TOWING 90 DAYS OR 5,000 MILES
S	ENGINE TOWING WARRANTY	STANDARD MACK ENGINE TOWING COVERAGE 24 MONTHS/250,000 MILES (402,000 KM)

CONNECTED SERVICES		DESCRIPTION
S	MACK INTEGRATED UPTIME	MACK INTEGRATED UPTIME - 24 MONTHS
	MACK CONNECT LOCATION & REPORTING	MACK CONNECT LOCATION & REPORTING - 24 MONTHS
S	FLEET INTEGRATION	WITHOUT FLEET INTEGRATION

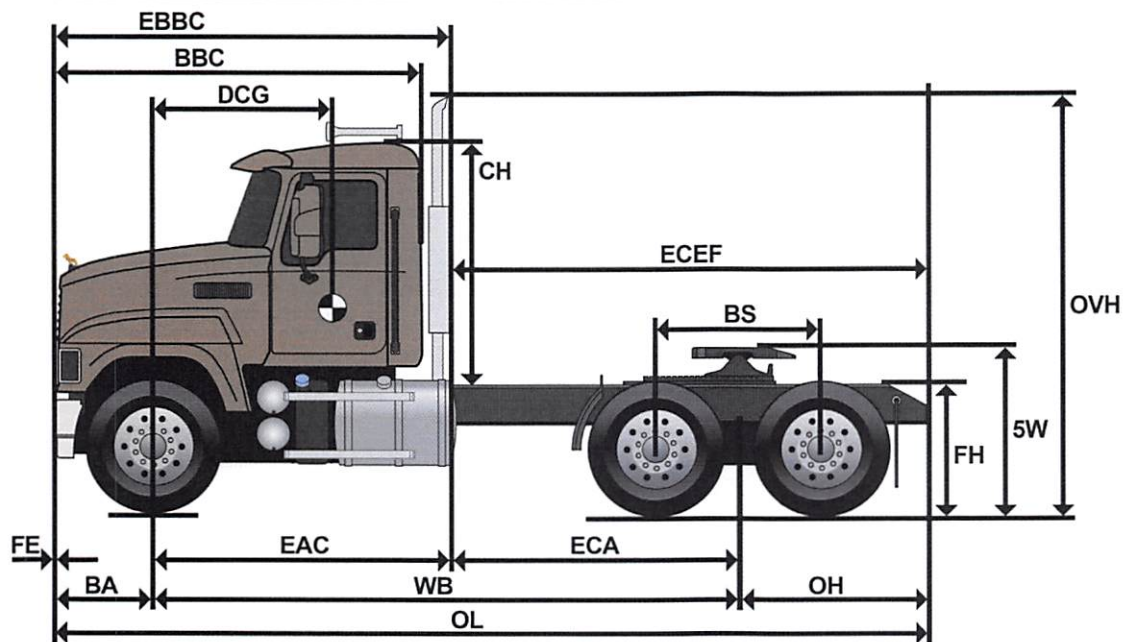
TECHNICAL SPECIFICATION *(cont.)*



CONNECTED SERVICES		DESCRIPTION
S	PARTNERED SERVICES	NO PARTNERED SERVICES PROVIDED

VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY

Description	Sales Code	Dwg Ref	Length	UOM
Front Frame Extension	N/A	FE	0.0	INCHES
Bumper to Front Axle	N/A	BA	29.8	INCHES
Eff. Bumper to Front Axle	N/A	N/A	29.8	INCHES
Wheelbase	N/A	WB	219.3	INCHES
Rear Overhang	N/A	OH	56.5	INCHES
Overall Length	N/A	OL	305.6	INCHES
Bumper to Back of Cab	N/A	BBC	117.3	INCHES
Eff. Bumper to Back of Cab	N/A	EBBC	128.8	INCHES
Eff. Cab to Rear Axle	N/A	ECA	120.3	INCHES
Eff. Front Axle to Back of Cab	N/A	EAC	99.0	INCHES
Eff. Cab to End of Frame	N/A	ECEF	176.8	INCHES
Unladen 5th Wheel Height	E5BAUX	5W	49.5	INCHES
Unladen Frame Height	N/A	FH	41.9	INCHES
Cab Height	N/A	CH	73.0	INCHES
Overall Height	N/A	OVH	139.8	INCHES
Driver CG	N/A	DCG	73.2	INCHES
52" AXLE SPACING (BOGIE WHEELBASE)	GWXBYX	BS	52.0	INCHES



MACK®



Mack Trucks
www.macktrucks.com



Tri-State Truck Center, Inc.

Terms, Conditions, & Limitations

Presented By:

Todd Flatt

At the time a vehicle is turned in, it must be capable of passing any applicable state and federal safety and emissions' inspection. It must also meet or exceed the following Terms and Conditions. These requirements have been carefully defined to establish the operating condition of a Mack used truck, as agreed to by both the seller and the buyer.

Delivery Initial Here: Customer _____ Tri-State Truck Center, Inc. _____

Turn-In Initial Here: Customer _____ Tri-State Truck Center, Inc. _____

Engine

1. Engine must be the original engine produced in the truck. If the engine has been replaced, owner must identify it as such and valuation may be altered based on engine age, mileage and other factors.
2. Engine must operate at a minimum of 80% of the original manufacturer's rated horsepower after allowing for driveline losses and as verified by a chassis dynamometer test.
3. Engine must be mechanically sound and within the manufacturer's specifications relating to oil pressure, coolant temperature and pressure and fuel pressure. Engine must have no leaks and be free from contamination. Crankcase blow-by must be within specification. Engine password must be cleared.
4. Engine air compressor must meet the manufacturer's performance specifications and must not exceed the manufacturer's maximum tolerances for oil blow-by (oil blown into the air system).
5. Batteries, starter, alternator and other ignition system components must be in sound condition. Batteries must be original CCA rating, capable of holding a charge and start the truck unassisted.
6. Air conditioning compressor must be operational and system must be free from defects and operate as intended.

Delivery Initial Here: Customer _____ Tri-State Truck Center, Inc. _____

Turn-In Initial Here: Customer _____ Tri-State Truck Center, Inc. _____

Drivetrain

1. Clutch, transmission, front and rear axles must be roadworthy and free from defects with no visible bends, cracks or leaks.
2. The clutch must be in adjustment or must be replaced if it cannot be adjusted to within acceptable tolerances.
3. Allison automatic transmission must shift smoothly and operate as originally intended.

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Turn-In Initial Here: Customer _____ Tri-State Truck Center, Inc. _____

Brakes

1. Brake linings are to be no less than 5/8" on rear axles and 1/2" on front axle. Brake drums must be free from breaks or cracks and cannot be worn in excess of 1/16" per side.

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Turn-In Initial Here: Customer _____ Tri-State Truck Center, Inc. _____

Tires

1. Steer: Matched original equipment tread type tires. Minimum 10/32” tread depth measured at the lowest point.
2. Drive: Matched original equipment tread type tires. Minimum 12/32” tread depth measured at the lowest point. Recaps are not acceptable.
3. All tires must be free from cuts, bulges, gouges and have no irregular tread wear pattern, such as dishing, cupping, edging, feathering, etc, etc.

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Turn-In Initial Here: Customer _____ Tri-State Truck Center, Inc. _____

Cab / Sleeper / Body

1. Paint and/or body damage must not exceed \$500.00 total per unit, including, but not limited to, the sheet metal, bumper, grill, fuel tanks, fairings, dents, rust damage, etc, etc.
2. All decals, permits, unit numbers and any other customer installed identification must be removed and done so in a manner as to not damage the original paint. Any damage resulting from de-identifying the truck must be repaired.
3. Upholstery must be free from tears or open seams. Tears, open seams, holes and punctures must be repaired.
4. All glass shall be free from cracks, chips, and scratches.
5. Dash panel and interior trim pieces must not be missing and must be free from holes, cracks and/or breaks.
6. All instruments, gauges, warning lights, radio, switches and knobs must be free from defect and operate as originally intended.

Delivery Initial Here: Customer _____ Tri-State Truck Center, Inc. _____

Turn-In Initial Here: Customer _____ Tri-State Truck Center, Inc. _____

Non-Mack Bodies and Equipment

1. Bodies such as dump, refuse, flatbed, concrete mixer, etc, etc must be free from defects and perform as originally designed for by the manufacturer.
2. Physical damage to body and components must not exceed \$500.00
3. There shall be no leaks of the hydraulic system.
4. Any repairs performed on body, including its hydraulic system, must be made with original equipment parts.

Delivery Initial Here: Customer _____ Tri-State Truck Center, Inc. _____

Turn-In Initial Here: Customer _____ Tri-State Truck Center, Inc. _____

General

1. All standard and optional equipment, on or in truck chassis, must be in good working order and must be on the truck as delivered.
2. Truck must pass DOT inspection and be able to go in service without any repairs.
3. Any unit that has been wrecked and sustained damages greater the 15% of the original contract price must be disclosed. **Tri-State Truck Center, Inc. reserves the right to reject any and all units that have not been repaired in accordance with acceptable standards or workmanship.**
4. Units (including non-Mack bodies) must be maintained in accordance to the original manufacturer's published maintenance requirements. At the sole discretion of Tri-State Truck Center, Inc., proof of maintenance may be required before unit turn-in.
5. Vehicles must have a minimum of (30) gallons of fuel at turn-in time.
6. Trucks must be available for pick-up on the 15th of the month following the agreed upon anniversary date of the original delivery. Failure to do so will result in a \$5,000.00 per month penalty for the first (3) months. After (3) months, this agreement becomes null and void and Tri-State Truck Center, Inc., shall be released from this agreement.
7. Excess mileage will result in a penalty of \$.48 per mile for the first 20,000 miles and \$.63 per mile thereafter.

Delivery Initial Here: Customer _____ Tri-State Truck Center, Inc. _____

Turn-In Initial Here: Customer _____ Tri-State Truck Center, Inc. _____

Documents

1. Payment for the truck will not be made until Tri-State Truck Center, Inc receives clear titles/ownerships, free and clear of all liens and encumbrances.
2. A current Federal Annual and State (if applicable) inspection sticker must be on vehicle at time of delivery.

Delivery Initial Here: Customer _____ Tri-State Truck Center, Inc. _____

Turn-In Initial Here: Customer _____ Tri-State Truck Center, Inc. _____

To Be Completed At Time Of Order Receipt.

Buyer: _____
Address: _____
City, State & Zip: _____
Bid /RFQ / Reference #: _____
Sale Price: \$ _____
Guaranteed Residual: \$ _____
Purchase Option: \$ _____

Tri-State Truck Center, Inc. Date

Title

Customer Date

Title

To Be Completed At Time Of Delivery.

Truck Serial Number: _____
Body Serial Number: _____
Length of Agreement (Term): _____
Total Miles Allowed: _____
Turn-In Date: _____

Tri-State Truck Center, Inc. Date

Title

Customer Date

Title

To Be Completed At Time Of Turn-In.

Date of Turn-In: _____

Buy Back Amount \$ _____
Less Time Penalty \$(_____)
Less Mileage Penalty \$(_____)
Settlement Amount \$ _____

Tri-State Truck Center, Inc. Date

Title

Customer Date

Title