

BID SUBMITTAL FORM
Alabama County Joint Bidding Program
Heavy Equipment – LOW BOY TRACTOR OPTION C

Company Name: Nextran Truck Centers

Address: 1801 Fulton Road/ PO Box 820

Fultondale, AL 35068

Bid Submitted by: Bruce Graham

(Name of company representative)

Title: Sales Manager E-mail address: bgraham@nextranusa.com

205-841-4450

Phone: 205-334-7724 (Cell) Fax: 205-841-4430

By submitting this bid, we agree:

Initials

That the equipment model number identified below meets the bid specs for this bid item

BG

That the bid price will be honored for all counties for the period from Jan. 1, 2021 to Dec. 31, 2021.

BG

That the equipment will be delivered at the bid price to all counties participating in the joint bid program

BG

That the company representative listed above will be the contact person for purchasing this bid item under the joint bid program

BG

That the bid is accompanied by a current catalog or model specification document for the model number identified below

BG

That the bid is accompanied by a copy of the manufacturer's standard warranty as required in the bid specifications

BG

That the bid includes the e-verify documentation required by Alabama law

BG

That, if awarded the bid, a performance bond will be provided upon request

BG


That an option sheet with individual pricing is attached

BG

Total Bid Price including options: \$ 121,487.00

Equipment Model #: 2022 Mack Pinnacle 64T

Description: Mack Tractor

Signature of company representative submitting bid: 

Title: Sales Manager

**OPTION COST SHEET FOR
HEAVY DUTY LOW BOY TRACTOR
OPTION C**

Options

Option Price

Dual purpose wet line kit

\$ 4000

Aluminum cab guard

\$ 1000

60" Long Light bar

\$ 1000

NOTE: Award will be made on the basis of the total cost of the Low Boy Tractor with the option included. However, a county may, at its discretion, deduct the above-referenced option from the Low Boy Tractor, and in such event, the cost of the option as stated on the bid shall be deducted from the total cost of the Low Boy Tractor. There shall be no other deductions and no additions made to the Low Boy Tractor by the purchasing county or by the vendor.

Equipment Model #: 2022 Mack Pinnacle 64T

Description: Mack Pinnacle Tractor

Signature of company representative submitting bid: 

Title: Sales Manager

INVITATION TO BID

HEAVY EQUIPMENT

NOTICE OF BID OPENING

NOTICE IS HEREBY GIVEN that the Association of County Commissions of Alabama, which administers the Alabama County Joint Bid Program on behalf of Alabama's county governing bodies, shall receive and open bids for the purchase of zero (0) or more items of heavy road equipment at its office located at 2 North Jackson Street, Montgomery, Alabama, at 10:00 a.m. on Friday, September 4, 2020. Bid specifications are available at <http://www.alabamacounties.org/heavy-equipment/> for each of the following items:

Light Duty Backhoe	100 HP Heavy Duty Hydrostatic Bulldozer – Option C
Medium Duty Backhoe	100 HP Heavy Duty Hydrostatic Bulldozer – Option D
Heavy Duty Backhoe Option A	125 HP Heavy Duty Hydrostatic Bulldozer – Option A
Heavy Duty Backhoe Option C	125 HP Heavy Duty Hydrostatic Bulldozer – Option B
85 PTO Tractor Option A	Mulching Dozer
85 PTO Tractor Option B	3 CY Wheel Loader Option A
95 PTO Tractor Option A	3 CY Wheel Loader Option B
95 PTO Tractor Option B	3 CY Wheel Loader Option C
Track Mount Excavator Option A-1	3.65 CY Wheel Loader Option A
Track Mount Excavator Option A-2	3.65 CY Wheel Loader Option B
Track Mount Excavator Option A-3	Heavy Duty Dump Chassis – Option B
Track Mount Excavator Option B-1	Heavy Duty Dump Chassis – Option C
Track Mount Excavator Option B-2	Heavy Duty Dump Chassis – Option E
Track Mount Excavator Option B-3	Lowboy Tractor Option – B
Track Mount Excavator Option C-1	Lowboy Tractor Option – C
Track Mount Excavator Option C-2	Lowboy Tractor Option – D
19 Ton Wheeled Excavator	Skid Steer Attachments
21 Ton Wheeled Excavator	Ride-on Industrial Boom Mower
Compact Track Mount Excavator Option D-1	Telescopic Boom Cutter 75 FT. Reach
Compact Track Mount Excavator Option D-2	Telescopic Boom Cutter 55 FT. Reach
Light Duty Motorgrader – Option A	Asphalt Distributor Truck
Light Duty Motorgrader – Option B	Chip Spreader
Heavy Duty Motorgrader – Option A	Rubber Tire Roller
Heavy Duty Motorgrader – Option B	One-man Pothole Patcher Option A
Medium Duty Motorgrader – Option A	2WD Highway Speed Truck Excavator
Medium Duty Motorgrader – Option B	4WD Highway Speed Truck Excavator
Medium Duty Motorgrader – AWD	
Light Duty Motorgrader – Option B	
100 HP Heavy Duty Hydrostatic Bulldozer – Option B	

Time is of the essence in submitting bids and only bids received in the Association office by 10:00 a.m. Central Time on Friday, September 4, 2020 will be opened and considered. Bidders and any other interested individuals are invited to attend the bid opening.

THE INVITATION PACKAGE

The invitation package for each item to be bid includes: this invitation to bid, the written bid specifications for the particular item of heavy road equipment, and a Bid Submittal Form to be used in submitting a bid for that particular item. Bidders should verify that they have received all pages of the invitation package. If there are any omissions, the bidder should contact Kenya Howard in the Association office by mail, fax, or e-mail (jointbid@alabamacounties.org) to request missing pages. It is the responsibility of the bidder to make this request in sufficient time to prepare and submit the bid in time for the bid opening. Bidders should carefully read and comply with all parts of the invitation package, including all attachments and/or any addendum.

PREPARING AND SUBMITTING BIDS

All bids must be typed or hand written in ink on the attached Bid Submittal Form. **The completed Bid Submittal Form shall be placed in front of and separated from all other documents included in the bid packet, such that it will be the first document viewed upon opening the bid packet.**

Bids submitted in pencil and bids not submitted on the Bid Submittal Form will **not** be considered. All bids shall include a current catalog or model specification document for the equipment model number being offered for consideration. Bids submitted without such documentation will **not** be considered. Only information contained on the attached Bid Submittal Form and in the model specification document will be considered in evaluating bids.

Each separate requirement in the bid specification includes a block for indicating whether or not the item bid meets the specification. The bidder shall indicate compliance with each requirement by checking "Yes" or "No" in the block to the right of each bid specification. In addition, the bidder shall indicate the page number in the supplied manufacturer's equipment literature on which compliance with the specification can be verified. Failure to complete this portion of the bid form may result in the subject bid not being considered. Additionally, all bidders are required to submit a factory build/order sheet showing all of the standard and option items for each piece of equipment bid in order to assist the bid review committee in assuring that each bid is in conformance with the required bid specifications.

Each bid for one of the heavy equipment items included in the bid package must be submitted on the Bid Submittal Form for that item and forwarded in a separate envelope with the bid item and item number clearly identified on the outside of the envelope. Envelopes containing a "no bid" shall also include the words "NO BID" on the outside of the envelope. Facsimiles and e-mails will not be accepted. Bids submitted by "Express/Overnight" services must be in a separate inner envelope or package sealed and identified as stated above. All bids must be received in the Association office prior to the bid opening. Bids received after the deadline will be returned unopened.

The County Joint Bid Program reserves the right to require a performance bond from successful bidders as permitted under Alabama law. However, **no bid bond is required for this bid offering.**

All bids should be mailed or hand-delivered to:

Association of County Commissions of Alabama

Attention: JOINT BID PROGRAM

2 North Jackson Street

Montgomery, Alabama 36104

OR

Attention: JOINT BID PROGRAM

P.O. Box 5040

Montgomery, Alabama 36103

BID SPECIFICATIONS

Please note that each piece of heavy equipment available for bid may include several different sizes and categories of machines. You should read each set of specifications very carefully as the differences vary depending upon the piece and size of equipment.

Where applicable, each bid submission shall include the separate cost of each item listed in the "Options" section of the bid specifications. However, all bids will be awarded on the basis of the **total cost of the machine with all options included**. Therefore, the "Bid Price" stated on the Bid Submittal Form must be the total cost, including the cost of all options.

Once the bids have been awarded, any county participant purchasing under this program may, at its discretion, deduct one or more of the options set out in the bid specifications, and in such event, the cost of the option as stated on the bid shall be deducted from the total cost of the machine. There shall be no other deductions and no additions made to the machine by the purchasing county or by the vendor.

Any use of specific names and/or model numbers in the attached specifications is not intended to restrict the bidder or any seller or manufacturer, but is included solely for the purpose of indicating the type, size, and quality of materials, product services, or equipment considered best adapted to the use of the counties participating in the joint bid program.

BIDDER QUALIFICATIONS

All bidders and all program participants must be in compliance with any applicable federal, state, county and municipal laws, regulations, resolutions and ordinances, including but not limited to, licensing, permitting, and taxation requirements. All bidders should be prepared to submit evidence or documentation as proof that they are properly licensed and permitted under any applicable laws upon request. Such evidence or documentation may be submitted with the bid. Additionally, all bidders shall provide proof that they are in compliance with the e-verify requirements of Alabama's Immigration Law (Ala. Code § 31-13-1 et seq., as amended by Act No. 2012-491).

BID AWARD

The Houston County Commission will serve as the awarding authority for all bids and will award all contracts at a regular meeting of the Houston County Commission. Any and all bids submitted in compliance with this invitation to bid shall be considered, and award will be made to the lowest responsible bidder meeting bid specifications as determined by the awarding authority in compliance with Alabama law. All bids will be reviewed and evaluated by a committee created for that purpose, which committee will make comments and recommendations to the awarding authority regarding the award. All factors contained in each invitation package will be evaluated in determining the successful bidder, and any omissions of the

stated requirements may be cause for rejection of the bid submitted. The awarding authority reserves the right to reject any and all bids, to waive any informality in bids, and to accept in whole or in part such bid or bids solely at its discretion.

The contract period will be one year with an option to renew for a second and third year under identical price, terms, and conditions upon the mutual consent of the vendor and the awarding authority. Any renewal contract shall be approved in writing by the vendor and the awarding authority no later than 135 days prior to the expiration of the existing contract.

CONTACT REGARDING BIDS AND INVITATION

Contact initiated by a potential bidder with any county official, county employee, or member of the Association staff shall only be as specifically set out in this Invitation to Bid. Any questions related to the bid or the County Joint Bid Program shall be directed to Association staff in writing under the procedures set out in this Invitation to Bid. Additionally, a bidder may contact the Association in writing to request an appointment to review bid specifications following the bid opening. **However, there shall be no communication with any county official or county employee regarding this bid between the date of this invitation and the date of bid award.** Any contact other than as set out here shall be deemed as an attempt to unduly influence the bid award, and shall be grounds for rejection of the bid submitted by the bidder initiating such other contact.

Any questions or problems related to downloading or obtaining copies of this Invitation to Bid should be directed to Kenya Howard at jointbid@alabamacounties.org or 334-263-7594.

Any other questions or requests for additional information regarding this invitation or the bid specifications shall be submitted **in writing** no later than five (5) days prior to bid opening to:

Chase Cobb
Association of County Commissions of Alabama
P.O. Box 5040
Montgomery, Alabama 36103
E-mail: ccobb@alabamacounties.org

BID SPECIFICATIONS FOR HEAVY DUTY LOW BOY TRACTOR-OPTION C

GENERAL

These specifications shall be construed as the minimum acceptable standards for a heavy duty Low Boy tractor. Should the manufacturer's current published data or specifications exceed these standards, the manufacturer's standards shall be considered minimum and shall be furnished. All integral parts not specifically mentioned in the scope of these specifications that are necessary to provide a complete working unit shall be furnished. Additionally, the machine offered for bid shall include all standard manufacturers' equipment.

The use of specific names or numbers in the specifications is not intended to restrict the bidder or any seller or manufacturer but is intended solely for the purpose of indicating the type, size, and quality of equipment considered best adapted to the uses of counties participating in this joint bid.

Note all units offered for bid must be of manufacturer's current production model and must be fully compliant with EPA standard US17 without the use of EPA engine credits. Chassis should be equipped with the appropriate diesel particulate filter and SCR after treatment system.

BID SUBMITTAL FORM

Each bidder must submit his or her bid on the Bid Submittal Form included in the invitation to bid package. All written warranties to be submitted shall be attached to the Bid Submittal Form.

BID PRICE

The price bid shall include all destination charges, delivery charges, title fees, rebates and all other applicable costs and refunds.

MANUALS

Each unit shall be provided with one (1) copy of the operator's manual

REPLACEMENT PARTS AVAILABILITY

Parts must be available for 5 years or 500,000 miles of use for the piece of equipment bid.

WARRANTY

Bidders shall submit a copy of the manufacturer's standard warranty along with a complete explanation of the warranty with their bid. Warranty shall be transferable. Warranty must include the following minimum coverage:

Basic Vehicle: 1 year or 100,000 miles **Page 10 and Truck Warranty Certificate**

Diesel Engine: 2 year or 250,000 miles. However, counties will have the option to purchase additional coverage (an extended warranty) if negotiated between the purchasing county and successful bidder within the first 9 months of truck purchase. **Page 10 and Truck Warranty Certificate**

Transmission: 3 Year or 300,000 miles

Rear Carriers: 3 Year or 300,000 miles

Yes x No
Page# 10
or
Attachment Warranty
Certificates

ASSEMBLY AND DELIVERY

The selling truck chassis dealer shall be responsible for delivery of the completed unit to the purchasing county with all requested options.

DOT INSPECTION AND SAFETY EQUIPMENT **Page 11**

Prior to delivery each unit shall be DOT inspected and include the appropriate documentation and decal. In addition, each unit shall be equipped with the required fire extinguisher and reflective safety triangles.

(Page 7) (Page 7)

Yes x No
Page # 7, 11

ENGINE AND RELATED COMPONENTS

Shall be an in line 6 design 13 liter, overhead cam, turbo charged diesel engine capable of developing 500 HP with a peak torque rating of 1,850 FT#.

Yes x No
Page # 2 and Engine Spec
Sheet

Engine shall have full wet replaceable cylinder liners, fuel injection system to be Electronic common rail injection.

Yes x No
Page # Engine Spec Sheet

Air intake system shall have a single dry element with a restriction indicator.
(Restriction Indication Displayed in Maintenance Section of Co-Pilot Display)

Yes x No
Page # 3 and Co-Pilot
Brochure

Turbo air shall flow through a chassis mounted charge air cooler, engine cooling system to have a minimum 1,000 square inches of frontal area, aluminum core radiator with silicone hoses throughout and coolant protection to -34 degrees F.

(Page 3)

(Page 3)

Yes x No
Page # 3 and Base Vehicle
Sheet

Fan drive to be electronically modulated multi-speed viscous type with a poly V belt with automatic tension control. (Auto Tension in Base Vehicle Spec Sheet)

Yes ☒ No ☐
Page # 3 and Base Vehicle Sheet

Exhaust to be DUAL vertical with bright finish heat shields, elbows and stacks.

Yes ☒ No ☐
Page # 3

DPF element/SCR catalyst combined in a single unit mounted on passenger side frame rail under passenger door.

Yes ☒ No ☐
Page # 3 and Clear Tech Brochure

Factory installed integral Engine Brake.

Yes ☒ No ☐
Page # 3

Engine electronics to have:

Yes ☒ No ☐
Page # 8, 9

Full diagnostic capabilities (Page 8/ Also in Engine Spec Sheet and Co-Pilot Display Spec Sheet)

Yes ☒ No ☐
Page # 8

Road speed limiting and Cruise Control Feature

Factory is 70; can set at customer desired speed

Yes ☒ No ☐
Page # 9

Shutdown capabilities for critical engine functions

Yes ☒ No ☐
Page # 8, 9

STARTING AND ELECTRICAL SYSTEM

12 Volt system fuse/circuit breaker protected

Yes ☒ No ☐
Page # Base Vehicle Sheet

12V gear reduction starter, 12V 130-amp alternator (24si)

Yes ☒ No ☐
Page # 3

(3) 12V maintenance free group 31 batteries with 650 cold cranking amps each, batteries to be mounted in a single steel box with polished aluminum cover.

Yes ☒ No ☐
Page # 3

Unit should be equipped with a backup alarm

Yes ☒ No ☐
Page # 6

TRANSMISSION AND DRIVELINE

Manual eighteen (18) speed overdrive design, with a minimum first gear reduction of 16 to 1.

Yes ☒ No ☐
Page # 2 and Transmission Spec Sheet

Transmission should have oil cooler with dash mounted temperature gauge, left and right-side PTO access gears with appropriate clearance.

Yes ☒ No ☐

Page # 4 and Transmission Spec Sheet

Eaton Advantage easy pedal manually adjusting 15.5" two plate ceramic clutch 9 springs, 6 paddle designs with AIR assist feature and remote lube fittings for clutch release bearing and both crosses mounted on LH frame rail under hood.

Yes ☒ No ☐

Page # 3 and Transmission Spec Sheet

Main driveline Spicer 1810HD with coated splines/ inter axle driveline 1710HD with coated splines.

With manual transmission it is necessary to have the Spicer SPL 350HD XL Lite and Spicer SPL250XL driveline main and interaxle

Yes ☒ No ☐

Page # 3, 4

CAB EXTERIOR

Cab to be Class 8 designed for construction and vocational applications. Cab construction should be welded high strength steel.

Yes ☒ No ☐

Page # Base Vehicle Sheet

Cab doors should also be of high strength steel and have high visibility roll up style windows with power window and door lock control on both doors, (Base Vehicle Sheet) passenger door to include a peep window in the lower half of door or down view mirror mounted to door. Page 8

Yes ☒ No ☐

Page # 8 and Base Vehicle Sheet

Cab mounting should be air suspended at rear on dual air bags mounted outside of the frame rails.

Yes ☒ No ☐

Page # Base Vehicle Sheet

Cab should feature:

Dual air horns in addition to the standard electric signal horn

Yes ☒ No ☐

Page # 8

Bright finish heated and motorized West Coast mirrors with 8" convex mirrors mounted below the West Coast mirrors. Mirrors to be mounted on break away brackets to protect door skin.

Yes ☒ No ☐

Page # 8

Painted Molded Aerodynamic Visor with clear lens led lights

Yes ☒ No ☐

Page # 8 and Base Vehicle Sheet

Cab glass to be safety tinted

Yes ☒ No ☐

Page # 7

Cab floor should be covered with black polyurethane mat.

Yes ☒ No ☐

Page # 7

Cab glass to be safety tinted

Yes ☒ No ☐

Page # 7

Cab to have grab handles on both sides of the inside of the cab
(on the door)

Yes ☒ No ☐

Page # Interior Brochure

Cab exterior and chassis to have all required DOT and ICC lighting (turn signal indicators, emergency flashers, rear stop, tail, turn and backup lighting.)
(Required Standard Equipment)

Yes ☒ No ☐

Page # Base Vehicle Sheet

Hood is to be a full tilting fiberglass design with in cab safety latch, bright finish headlight bezels and bright finish grille.

Yes ☒ No ☐

Page # 8 and Base Vehicle Sheet

Cab and hood paint color to be selected from manufacturer's standard non-metallic paint chart.

Yes ☒ No ☐

Page # 10

CAB INTERIOR

Cab interior to include the following:

Storage tray on back wall of cab and in overhead console

Yes ☒ No ☐

Page # 7 and Base Vehicle Sheet

Cab interior is to be HIGH grade wood grain with a cloth headliner, back wall and windshield pillar post and door panels covered.
Interior is Premium Package with Brushed Nickel Appearance

Yes ☒ No ☐

Page # 7 and Interior Brochure

Cab should have interior sun visors on both sides of cab.

Yes ☒ No ☐

Page # Base Vehicle Sheet

Dash features to include:

Wood grain appearance
Brushed Nickel Appearance

Yes ☒ No ☐

Page # Interior Brochure

Center mount console with cup holders

Yes ☒ No ☐

Page # Base Vehicle Sheet

Full adjusting tilt and telescopic steering column

Yes ☒ No ☐

Page # Base Vehicle Sheet

Axle oil temperature gauges

Yes ☒ No ☐

Page # 7

Exhaust pyrometer

Yes ☒ No ☐

Page # 6

Manifold pressure gauge

Yes ☒ No ☐

Page # 7

Cab seats should be: Driver National High Back air ride design with back cyclor,
Dual arm rest, both seats to have fabric covering with required lap and shoulder belts.

Yes ☒ No ☐
Page # 7

Factory installed integral air conditioning with R134A refrigerant and rotary type
air conditioner compressor.

Yes ☒ No ☐
Page # Base Vehicle Sheet

AM/FM/CD radio with clock weather band and Blue Tooth capability, two- way radio power leads and
mounting plate installed in the dash with dual mirror
mounted antennas.

Yes ☒ No ☐
Page # 7

Two additional dash mounted power outlets to be furnished.

Yes ☒ No ☐
Page # Base Vehicle Sheet

Windshield wipers to be two (2) speed electric with washer and intermittent feature.

Yes ☒ No ☐
Page # 7

AIR BRAKES

Full Dual Air Brake system with Bendix Road Stability System to include ABS/ATC/ESP
with YAW control with heated air dryer.

Electronic Stability Control is Standard Equipment

Semi - trailer connection package with 15' coiler air and electrical connections
with an in-cab hand control valve for trailer service brakes.

Yes ☒ No ☐
Page # 5 and Base Vehicle Sheet

Yes ☒ No ☐
Page # 6

Air compressor should have 18.7CFM capacity

Yes ☒ No ☐
Page # 3

FRAME/BUMPER/FUEL TANKS

Steel 120,000 PSI frame rails 11.81" x 3.54" x 0.37" with a section modulus of 20.6
and a RBM per rail of 2,470,000.

Yes ☒ No ☐
Page # 5 and Frame Spec Sheet

235" wheelbase with adequate frame rail clearance to accommodate a
third axle, if desired.

Yes ☒ No ☐
Page # 5

142.5" cab to axle.

148"

Yes ☒ No ☐
Page # 5

Heavy duty cross - members with huck bolt fasteners throughout.

Yes ☒ No ☐
Page # 5

Bright Finish stainless steel-clad aluminum with recessed tow hooks on each side.

Yes x No
Page # 5

Fuel tank(s) to be aluminum with a minimum of 150-gallon capacity

Yes x No
Page # 5

Driver's side frame or fuel tank mounted step(s) and tread plate platform to access Trailer connections.

Yes x No
Page # 6

Chassis to be equipped with frame mounted bright finish quarter fenders mounted ahead of front pull axle and rear mud flaps mounted at end of frame on heavy duty spring loaded brackets

Yes x No
Page # 5

FIFTH WHEEL

Tractor to be equipped with a Fontaine of Holland air slide fifth wheel. Fifth wheel should have pinning feature for use with a dump trailer. Pins should be removable type for Multi - purpose use.

Yes x No
Page # 6

FRONT AXLE

14,600 Reverse Elliot design steel I beam axle with 14,600# taper leaf suspension, 14,600# integral power steering, shock absorbers and a maximum of 34.5" spring centers. **SET FORWARD** front axle position only. Unitized sealed (maintenance free) front wheel hubs. Sealed tapered king pins and bearings. Meritor "S" cam design 16.5" x 6" Q+ brakes with outboard mounted drums, dust shields and automatic slack adjusters. Front wheels to be Machine Cleaned Buffed Aluminum ten (10) hole bud style, hub piloted 24.5" x 8.25". Front tires to be 16 ply 11R24.5 radials Bridgestone R283A, Goodyear G661HSA, or Michelin XZE2.

R284. 283 is discontinued

Yes x No
Page # 4, 8, Front Axle Spec Sheet

REAR AXLE

Meritor RT 46-164EH 46,000# capacity (4.10) ratio tandem axle with in cab power divider lock out valve with warning light and buzzer, lube pump and filter. In addition, both rear axles should be equipped with driver controlled inter wheel differential locks with manual valve and warning light. 60-inch axle spacing. 46,000# air ride rear suspension with shock absorbers and transverse torque rods on both rear axles. Meritor "S" cam design 16.5" x 7" with 16.5" x 8.625" Q+ brakes with outboard drums, dust shields and automatic slack adjusters. Brake chambers shall be (4) 30/30 style chambers with raised chambers on rear axle. Machine Cleaned Buffed Aluminum ten (10) hole bud style, hub piloted 24.5 x 8.25 rear wheels. Rear tires to be 14 ply 11R24.5 radials Bridgestone M770/Goodyear G622RSD, Michelin XDS2.

770 Discontinued/ 799

Yes x No
Page # 4,5,8, and Rear Axle Brochure

OPTIONS

In addition, the bid must also include the cost for each of the following options, itemized separately on the bid:

Dual-purpose wet line system for use with a dump trailer or a detachable neck low boy trailer.

Yes ☒ No ☐
Page # 11

Aluminum Cab Guard with rear window

Yes ☒ No ☐
Page # 11

60-Inch Long light bar with warning lights (strokes or rotators) work lights, stop lights, tail lights and turn signals

-light bar shall be mounted on the Aluminum Cab Guard with Controls
Mounted on the Dash inside the Cab

Yes ☒ No ☐
Page # 11

NOTE: Award will be made on the basis of the total cost of the Low Boy Tractor with all options included. However, a county may, at its discretion, deduct the above-referenced option from the Low Boy Tractor, and in such event, the cost of the option as stated on the bid shall be deducted from the total cost of the Low Boy Tractor. There shall be no other deductions and no additions made to the Low Boy Tractor by the purchasing county or by the vendor.

DATE

#Error

QUOTE INFORMATION

NEXT2020000148C614

PINNACLE 64T DAYCAB

Qty: 1

PREPARED BY

NEXTRAN CORPORATION

1801 FULTON ROAD

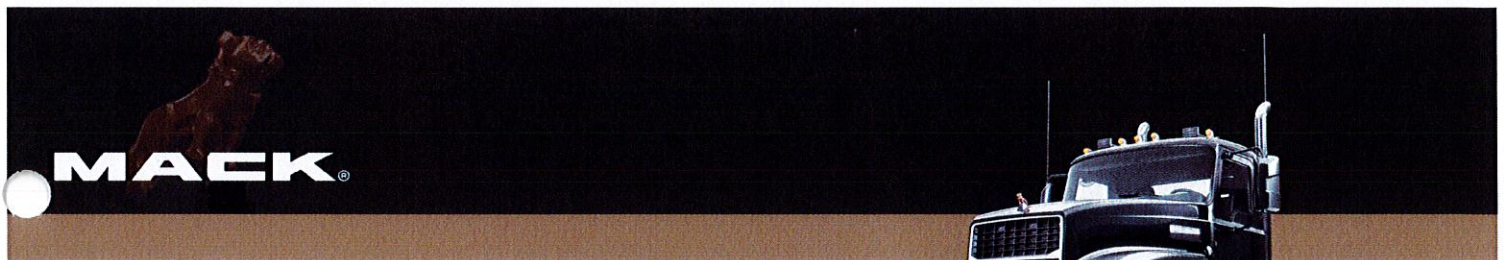
FULTONDALE

AL 350681605

PREPARED FOR

PROPOSAL





TECHNICAL SPECIFICATION

PINNACLE 64T DAYCAB

CUSTOMER/VEHICLE INFO		DESCRIPTION	WEIGHT (LB)	
			FRONT	REAR
S	CHASSIS (BASE MODEL)	PINNACLE 64T DAYCAB	5,214	2,800
S	ASSEMBLY PLANT	Made in Macungie, PA USA	0	0
	CUSTOMER FLEET SIZE	REGIONAL FLEET 25 OR MORE VEHICLES IN OWN FLEET OF ANY VEHICLE BRAND	0	0
S	ORDER TYPE REQUIREMENTS	RETAIL OR STOCK - CUSTOM SPECIFICATIONS	0	0
	TYPE OF SERVICE	COMMERCIAL	0	0
S	WARRANTY REGISTRATION LOCATION	US - WARRANTY REGISTRATION LOCATION	0	0
S	INITIAL REGISTRATION LOCATION	ALL 50 STATES, CARB ENGINE EMISSION (US17 / US21 / ZERO EMISSION)	0	0
S	LANGUAGE-PUBS/DECAL/SIGNS	ENGLISH	0	0
	VEHICLE USE & BODY/TRAILER TYPE	LOW BOY MACHINERY TRAILER	0	0
S	TRANSPORT CYCLE	LOCAL DISTRIBUTION	0	0
S	GROSS COMBINATION WEIGHT	80,000 LB (36 TONNES) GROSS COMBINATION WEIGHT	0	0
S	BRAKE REGULATION	BRAKE REGULATION, STOPPING DISTANCE 76M (250FT)	0	0
S	TOPOGRAPHY	GRADES <6% GREATER THAN 98% OF DRIVING DISTANCE MAX GRADE 16%	0	0
S	AMBIENT TEMP UPPER LIMIT (GTA)	AMBIENT TEMPERATURE HOT. WARMER THAN 104 F (40 C) ALLOWED UP TO 25 HOURS PER YEAR	0	0
S	TERRAIN GRADE	ON HIGHWAY, STARTING GRADES<16%	0	0
S	LOADING SURFACE	CONCRETE LOADING AND / OR UNLOADING SURFACE	0	0
	VEHICLE VOCATION	PICKUP & DELIVERY / SHORT HAUL SERVICE	0	0

ENGINE/TRANSMISSIONS		DESCRIPTION	WEIGHT (LB)	
			FRONT	REAR
	ENGINE PACKAGE, COMBUSTION	MP8-505C MACK 505HP @ 1500-1700 RPM (PEAK) 1950 RPM (GOV) 1860 LB-FT, US'21 (ON-HWY ONLY)	2,165	541
S	GEAR SELECTION TUNING	BASIC, GEAR-SELECTION TUNING	0	0
S	GHG APPLICATION, VEHICLE	GREEN HOUSE GAS HIGHWAY APPLICATION	0	0
	TRANSMISSION	MACK T318LR (16.42/0.71)	686	230
	GEARBOX 12TH GEAR LOCK-OUT	WITHOUT 12TH GEARBOX GEAR LOCK-OUT	0	0

TECHNICAL SPECIFICATION (cont.)

MACK®

			WEIGHT (LB)	
HAUST/EMISSIONS	DESCRIPTION		FRONT	REAR
S	CARB 2008 IDLE REGULATION	IDLE EMISSION CERTIFICATION, CARB (WITH DECAL LOCATED ON LOWER LH CORNER / DRIVER DOOR	0	0
S	DPF DIESEL PARTICULATE FILTER	CLEARTECH ONE BOX E.A.T.S. RH SIDE UNDER CAB US17 / US21	0	0
S	CHASSIS MOUNTED EMISSIONS FINISH	PAINTED DEF & DPF TANK COVER	0	0
	DEF TANK	11.8 GALLON (45 L) 22" LEFT SIDE FRAME MOUNTED	-39	-22
S	AD-BLUE TANK VENTILATION FILTER	WITHOUT DEF TANK VENTILATION FILTER	0	0
	EXHAUST	DUAL VERTICAL OUTBOARD MOUNTED STRAIGHT EXHAUST STACK TURNED OUT END	89	51
S	EXHAUST STACK HEIGHT	11' 6" FROM GROUND	0	0
	EXHAUST SYSTEM MATERIAL FINISH	DUAL, BRIGHT FINISH HEAT SHIELDS, STACKS, ELBOWS AND SCR COVER (IF EQUIPPED)	0	0
	EMISSION ON BOARD DIAG CONTROL	EMISSION OBD, DISPLAY ONLY, USA2020	0	0

			WEIGHT (LB)	
ENGINE EQUIPMENT	DESCRIPTION		FRONT	REAR
S	AIR CLEANER	UNDER HOOD SINGLE ELEMENT DRY TYPE W/AIR INTAKE FROM BOTH SIDES OF HOOD	0	0
S	BUG SCREEN	BLACK ALUMINUM BUG SCREEN MOUNTED BEHIND GRILLE, WITHOUT WINTER FRONT COVER	0	0
S	AIR COMPRESSOR/DRYER	WABCO AIR DR SS-HP AIR DRYER W/ WABCO 318 (18.7 CFM) AIR COMPRESSOR	0	0
S	ALTERNATOR	DELCO 12V 130A (24SI) BRUSH-TYPE	16	0
S	BATTERIES	(3) MACK 12V 650/1950 CCA THREADED STUD TYPE	0	0
S	BATTERY BOX - MOUNTING	RH RAIL UNDER CAB (3 BATTERY MAX)	0	0
	BATTERY BOX COVER	POLISHED ALUMINUM	5	0
S	STARTER MOTOR	12 VOLT DELCO 39MT-MXT	31	0
S	ENGINE BRAKE	MACK MP8 POWERLEASH	0	0
S	ENGINE BRAKE LIGHTING (CA)	VEHICLE AND TRAILER (IF APPLICABLE) STOP LAMPS ACTIVATE UPON SERVICE BRAKE APPLICATION ONLY(3899000)	0	0
S	FAN DRIVE	BEHR FAN AND ELECTRONIC MODULATING VISCOUS FAN DRIVE	0	0
S	COOLANT PROTECTION	ETHYLENE GLYCOL FULLY FORMULATED COOLANT (50/50 MIX DYED PINK) TO -34DEG, W/ FILTER	0	0
	HOSES - RADIATOR/HEATER	SILICONE RADIATOR AND HEATER HOSES	0	0
S	FUEL-WATER SEPARATOR	MACK W/MANUAL DRAIN VALVE W/ HOT RECIRCULATION (INTEGRAL W/ PRIMARY FUEL FILTER)	0	0
S	PRIMARY FUEL FILTER POSITION (CA)	STANDARD FUEL FILTER POSITION	0	0
S	ENGINE HEATERS	NO COLD WEATHER STARTING AIDS PROVIDED	0	0
S	OIL PAN	OIL PAN	0	0
S	TETHER DEV PKG, CAPS & COVERS	FURNISH CAP RETAINER FOR OIL FILL & RADIATOR OVERFLOW TANK	0	0
S	ENGINE STOP, EMERGENCY (CA)	WITHOUT ENGINE STOP, EMERGENCY	0	0

			WEIGHT (LB)	
CLUTCH/TRANS EQUIPMENT	DESCRIPTION		FRONT	REAR
	GEAR SHIFTER	MACK T300 SHIFTER	0	0
	CLUTCH	EATON ADVANTAGE EZ-PEDAL 9-SPRING,2PLATE 15.5" CERAMIC 6 PADDLES, MANUAL ADJUST	5	0
	CLUTCH ACTUATION SYSTEM & PEDAL PAD	AIR ASSIST CLUTCH CABLE SYSTEM WITH RUBBER PEDAL	0	0
	CLUTCH PEDAL PAD	RUBBER PAD	3	0
	CLUTCH ACTUATION SYSTEM	AIR OPERATED CLUTCH ASSIST	-2	0
	DRIVELINE - MAIN	SPICER SPL350HDXL LITE - 2XLARGE (PROPS2XL)	62	62

TECHNICAL SPECIFICATION (cont.)

MACK®

		WEIGHT (LB)	
OUTCH/TRANS EQUIPMENT	DESCRIPTION	FRONT	REAR
	DRIVELINE - INTERAXLE		
	SPICER SPL250XL "LITE SERIES"	0	0
S	PROPELLR SHAFT MAIN, UNVSL JNT	0	0
S	PROP SHAFT INTERAXL UNIV JOINT	0	0
S	TRANSMISSION OUTPUT TORQUE	0	0
S	BELL HOUSING	0	0
	LUBRICANTS, TRANSMISSION	0	0
	TRANSMISSION OIL COOLER	60	3

		WEIGHT (LB)	
FRONT AXLE EQUIPMENT	DESCRIPTION	FRONT	REAR
	FRONT AXLE	69	0
	SPRINGS - FRONT	16	0
	FRONT AXLE BRAKES	29	0
S	BRAKE, FRONT	0	0
	FRONT AXLE BRAKE DUST SHIELD	5	0
	FRONT BRAKE ADJ. MANUFACTURE	3	0
S	FRONT BRAKE CHAMBER MFG.	0	0
	HUB MATERIAL, FRONT	106	0
S	STEERING	64	0
	LUBRICANTS, FRONT AXLE	0	0

		WEIGHT (LB)	
REAR AXLE EQUIPMENT	DESCRIPTION	FRONT	REAR
	REAR AXLES - TANDEM	0	1,786
S	REAR AXLE CASING WIDTH	0	0
	LUBE PUMP, REAR AXLE	0	16
S	CARRIER - REAR AXLE	0	0
	REAR AXLE RATIO	0	0
	REAR SUSPENSION - TANDEM	0	1,145
	BOGIE SPREAD, REAR	0	56
S	SUSPENSION LEVELLING DEVICE	0	3
S	AIR SUSPENSION DUMP WARNING	0	0
S	REAR SHOCK ABSORBER	0	27
S	TRANSVERSE TORQUE RODS, R SUSP	0	0
	AUX.SPRING BRAKE QTY	0	0
	AUX.PARKING BRAKE CHAMBERS	0	31
	BRAKES - REAR	0	49
S	BRAKE, DRIVE, REAR	0	0
	REAR BRAKE ADJ MANUFACTURE	0	0
	DRIVE AXLE BRAKE DUST SHIELD	0	12
	REAR BRAKE CHAMBER SIZE	0	0

TECHNICAL SPECIFICATION (cont.)

MACK®

			WEIGHT (LB)	
REAR AXLE EQUIPMENT	DESCRIPTION		FRONT	REAR
S	REAR BRAKE CHAMBER	HALDEX GOLD SEAL (3" STROKE) BRAKE CHAMBERS (Total for QTY = 2)	0	0
	HUB MATERIAL, DRIVE	IRON PRESET REAR HUB W/INTEGRATED SPINDLE NUT	0	318
S	POWER DIVIDER LOCKOUT	POWER DIVIDER LOCKOUT, W/BUZZER & LIGHT	0	40
S	LUBRICANTS, REAR AXLE(S)	FACTORY OPTION LUBE - REAR AXLE	0	0
	TRACTION DIFFERENTIAL	DRIVER CONTROLLED INTER WHEEL DIFFERENTIAL LOCK ALL RR AXLES, MANUAL AIR VALVE W/WARNING LIGHT.	0	18
S	ANTILOCK BRAKE SYSTEM	MACK ROAD STABILITY ADVANTAGE BENDIX ABS/ATC/ESP W/YAW CONTROL 4S4M	7	0
S	BRAKE VALVE VERSION	BENDIX SWITCHES AND VALVES WHERE POSSIBLE	0	0

			WEIGHT (LB)	
FRAME EQUIPMENT/FUEL TANKS	DESCRIPTION		FRONT	REAR
	WHEELBASE	235" 148" CA	102	102
	AF (OVERHANG)	62"	-8	190
	FRAME RAILS & LINERS	9.5 x 90 x 300mm - (0.37" x 3.54" x 11.81"); RBM 2,470,000 LB-IN	0	0
S	FRONT FRAME LENGTH	Standard Bumper Position	47	-2
	CROSSMEMBERS	HIGHWAY SEVERE DUTY BOC AND BCL CROSSMEMBERS	7	12
	REAR CROSSMEMBER OPTIONS	STEEL CLOSING REAR CROSSMEMBER	7	-26
	REAR FRAME TREATMENT	WITHOUT TAPERED FRAME RAIL ENDS	0	7
	MUDFLAP HANGERS, REAR AXLE	FLEET ENGINEERS FB-27 SHORTIE BRACKET #33-04647;30.25"L;W/CONSPICUITY FEATURE	0	47
	MUDFLAP TYPE, REAR AXLE	BLACK POLYETHYLENE WITH WHITE "MACK" LETTERS	0	14
	MUDFLAP, FRONT AXLE	BLACK POLYARMOUR (NO NAME TO APPEAR ON FLAP) (NOT ANTI-SPRAY TYPE)	0	0
S	FRONT BUMPER	FLUSH-STAINLESS CLAD ALUMINUM	98	-4
S	FUEL LEVEL SENDER UNIT, LIQUID	BASIC FUEL LEVEL SENDER MOUNTED ON L.H TANK	0	0
	FUEL TANK - LH	80 GALLON.(300 L) 22" ALUMINUM ROUND	80	36
	FUEL TANK - RH	80 GALLON.(300 L) 22" ALUMINUM ROUND	69	47
	FUEL TANK POLISH OPTION	POLISHED ALUMINUM	0	0
S	FUEL HOSES, LIQUID	NYLON TUBE	0	0
S	FUEL FILLER NECK OPTIONS	WITHOUT FILLER NECK SCREEN, WITH NON-LOCKABLE FUEL TANK CAP	0	0
	FUEL LINE OPTIONS, LIQUID	DUAL DRAW AND RETURN FUEL SYSTEM	0	0
S	CAB INSTEP VERSION	STANDARD 2 STEP CAB ACCESS	0	0
	STEPS (BRIGHT) - FUEL TANK	BRIGHT FINISH ALUMINUM STEPS & STAINLESS STEEL BRIGHT FINISHED STRAPS	0	0
	QUARTER FENDERS	STAINLESS STEEL QUARTER FENDERS	0	20

			WEIGHT (LB)	
AIR/BRAKE	DESCRIPTION		FRONT	REAR
S	AIRTANK DRAIN VALVE	MANUAL DRAIN VALVES, WITH LANYARD ON SUPPLY TANK ONLY	0	0
	AIRTANK MATERIAL	ALUMINUM, POLISHED	-13	-4
S	AIR DRYER POSITION (CA)	W/O RELOCATION OPTION	0	0
S	RELOCATE AIR RESERVOIRS	W/O RELOCATED AIR TANKS	0	0
S	PARKING BRAKE VALVE	TWO (2) VALVE DUAL BRAKE SYSTEM - TRAILER SUPPLY AND TRACTOR-TRAILER PARK	0	0

TECHNICAL SPECIFICATION (cont.)

MACK®

		WEIGHT (LB)	
ELECTRICAL	DESCRIPTION	FRONT	REAR
	BACK-UP ALARM		
	ECCO BACK-UP ALARM 575 CONSTANT SOUND LEVEL 107 dB	0	3
S	ROOF MARKER LIGHT	0	0
	(5) TRUCKLITE CHROME BULLET ROOF MARKER & STANDARD MARKER / DIRECTIONAL SIGNAL		
S	DAYTIME RUNNING LIGHTS	0	0
	DRL WHEN ENGINE RUNNING & PARK BRAKE OFF		
	TAIL LAMPS	0	0
	INCANDESCENT TAIL LAMPS		

		WEIGHT (LB)	
TRAILER CONNECTIONS	DESCRIPTION	FRONT	REAR
	FIFTH WHEEL		
	AIR - HOLLAND FW35 SERIES LH RELEASE, NO TILT (AVAIL: 8.82")	0	-30
	5TH WHEEL MOUNTING BRACKETS	0	0
	SLIDING 5TH WHEEL MTG, 18.4" TRAVEL		
S	FIFTH WHEEL ANGLE MATERIAL	0	0
	STEEL FIFTH WHEEL ANGLES		
S	5TH WHEEL ANGLE THICKNESS	0	0
	5TH WHEEL ANGLE, 10MM THICKNESS		
	5TH WHEEL OFFSET	0	0
	50" BOGIESPREAD = -5" OFFSET, 52" BS = -4", 54" BS = -3", 55" BS = -2.5"		
	GROUND TO 5TH WHEEL TOP HGT.	0	0
	1308MM (51.5") GROUND TO 5TH WHEEL TOP HEIGHT		
	FIFTH WHEEL LEG-HEIGHT (KAX Result)	0	0
	224MM (8.81"), FIFTH WHEEL LEG-HEIGHT (SELECTED BY KAX)		
S	TRAILER GLAD HAND COUPLINGS	0	0
	GLAD HAND COUPLINGS - NORTH AMERICAN STD		
S	TRAILER BRAKE VALVE	0	0
	HAND CONTROL VALVE FOR TRAILER BRAKES W/ AIR CONNECTIONS OR SERVICE BRAKES W/O AIR CONNECTIONS		
S	TRAILER CONNECTION POSITION	0	0
	TRAILER AIR BRAKE CONNECTIONS, BACK OF CAB		
S	TRAILER ACCESS PACKAGE	18	45
	LOW PROFILE DECK PLATE		
S	TRAILER BRAKE HOSEHANGER	0	0
	HOSE TENDER, POGO STICK (CHASSIS MOUNTED)		
	TRAILER ELECTRICAL RECEPT	0	0
	SINGLE, 7 PINS STD SAE TYPE, BACK OF CAB		
	TRAILER BRAKE HOSES & CABLES	0	0
	TRAILER AIR HOSES (16' COILED TYPE)		
	TRAILER ELECTRICAL CABLE CONFIG	3	0
	TRAILER ELECTRICAL CORD CONFIG, COILED, LONG(4570MM OR 15')		
S	TRAILER CONNECTORS HOLDER	0	0
	ELECTRICAL PLUG HOLDER (INCLUDES GLAD HAND STORAGE)		

		WEIGHT (LB)	
PTO	DESCRIPTION	FRONT	REAR
S	PTO TRANS NEUTRAL CONTRL CHECK	0	0
	W/O NEUTRAL CONTROL		

		WEIGHT (LB)	
SPECIALTY EQUIPMENT	DESCRIPTION	FRONT	REAR
	LANE SUPPORT SYSTEM (LSS)	0	0
	WITHOUT LANE SUPPORT SYSTEM		
	DATA CAPTURE	0	0
	WITHOUT DATA CAPTURE		
S	AUXILIARY POWER UNIT	0	0
	WITHOUT AUXILIARY POWER UNIT		

		WEIGHT (LB)	
CAB INTERIOR (A THRU G)	DESCRIPTION	FRONT	REAR
S	GAUGES - UNIT OF MEASURE	0	0
	U.S. UNITS (PREDOMINANT)		
	GAUGE - PACKAGE, SECONDARY	0	0
	2ND GA PKG W/BOOST PRESS,TRANS OIL TEMP,PYRO,APP AIR PRESS		
	GAUGE - TRANSMISSION OIL TEMP	0	0
	TRANSMISSION OIL TEMP GAUGE		
	GAUGE - EXHAUST PYROMETER	0	0
	EXHAUST PYROMETER GAUGE		

TECHNICAL SPECIFICATION (cont.)

MACK

		WEIGHT (LB)	
CAB INTERIOR (A THRU G)	DESCRIPTION	FRONT	REAR
	GAUGE - REAR AXLE OIL TEMP REAR AXLE OIL TEMP GAUGE IN DID (DRIVER INFORMATION DISPLAY)	0	0
	GAUGE - MANIFOLD PRESSURE MANIFOLD PRESSURE GAUGE	0	0
	SERVICE TRAILER BRAKE PRESSURE BRAKE PRESSURE APPLICATION GAUGE, ELECTRONIC	0	0
S	AIR CONDITIONING/HEATER BLEND AIR HVAC W/"ATC" TEMP REGULATION	0	0
S	DOME LAMP, INTERIOR (4) DOMES LAMPS - DOOR AND SWITCH ACTIVATED	0	0
	FIRE EXTINGUISHER 5LB (ABC RATED) MOUNTED BETWEEN DRIVER SEAT BASE AND DOOR VALVE AIMED REARWARD	9	0
	FLOOR COVERING POLYURETHANE FLOOR MAT W/REMOVABLE INSERTS	16	0

		WEIGHT (LB)	
CAB INTERIOR (H THRU R)	DESCRIPTION	FRONT	REAR
S	INSTMNT CLUSTER LANGUAGE DEFAULT: ENGLISH, SPANISH, FRENCH	0	0
S	KEY TYPES FOR DOORS ALL CHASSIS KEYED AT RANDOM	0	0
S	DOOR OPENING OPTIONS W/O ELECTRONIC KEYLESS ENTRY	0	0
S	AUDIO ACCOMMODATION PREMIUM STEREO, AM/FM, CD-PLAYER, MP3, WEATHER BAND, BLUETOOTH	0	0
S	ANTENNA - RADIO 48" ANTENNA RIGHT SIDE MIRROR MOUNTED	0	0
	ANTENNA - CB RADIO 48" ANTENNA LEFT SIDE MIRROR MOUNTED	0	0
S	AUDIO SHUTOFF AUTO SHUTOFF FOR RADIO ENTERTAINMENT SYSTEM WHEN VEHICLE IS ENGAGED IN REVERSE	0	0
S	POWER LEADS POWER LEADS (5-WAY BINDING POSTS FOR CB RADIO) IN HEADER CONSOLE	0	0
S	AUDIO SPEAKER LOCATION SPEAKER LOCATION, IN DOORS, MIDDLE HIGH SIDE PANEL	0	0
	COM.RADIO PREP KIT (CB) MOUNTING PLATE AND VELCRO STRAP IN HEADER CONSOLE	0	0
S	AUXILIARY REAR WINDOW REAR WINDOW (FIXED TYPE)	0	0
S	REAR WALL STORAGE COMPARTMENT STORAGE POUCH REAR	0	0
	REFLECTOR KIT W/O SLEEPER BOX FURNISH KIT PARALLEL TO OUTSIDE SURFACE OF RIDER'S SEAT BASE	12	5

		WEIGHT (LB)	
CAB INTERIOR (S THRU Z)	DESCRIPTION	FRONT	REAR
	INTERIOR TRIM LEVELS PREMIUM PACKAGE, STEEL GRAY (Package 12A)	0	0
	SEAT - DRIVER'S MACK-AIR, HIGH BACK, 4 CHAMBER AIR LUMBAR, BOLSTER, EXTENSION	67	16
	SEAT COVERING - DRIVER'S DRIVER'S SEAT - STEEL GREY VINYL / CLOTH MIX	0	0
	SEAT - PASSENGER'S MACK-AIR, HIGH BACK, 4 CHAMBER AIR LUMBAR, BOLSTER, EXTENSION	69	14
	SEAT COVERING - PASSENGER'S PASSENGER'S SEAT - STEEL GREY VINYL / CLOTH MIX	0	0
	SEAT ARMREST INBOARD MOUNTED ARM REST, DRIVER'S & RIDER'S SEAT	5	3
S	SEAT BELT(S) LAP & SHOULDER (BOTH SEATS) CAB MOUNTED SHOULDER BELT ADJUSTMENT (NOT AVAIL W/EXTENDED RIDER SEAT)	0	0
S	IGNITION TYPE KEY TYPE	0	0
	STEERING WHEEL 2 SPOKE LEATHER GRIP, SATIN ALUMINUM SPOKES, WITH SWITCHES	0	0
S	WINDSHIELD TYPE TWO PIECE WINDSHIELD	0	0
S	CAB GLASS TINTED WINDSHIELD & SIDE WINDOWS & REAR WINDOW (IF EQUIPPED)	0	0
S	WINDSHIELD WIPERS 2 SPEED ELECTRIC MOTOR W/INTERMITTENT FEATURE	0	0

			WEIGHT (LB)	
CAB EXTERIOR	DESCRIPTION		FRONT	REAR
S	EMBLEMS OPTION	W/O MISC ORNAMENT CHANGE OPTION	0	0
S	AIR INTAKE GRILL / HOOD LATCH - FINISH	BLACK AIR INTAKE WITH BLACK HOOD LATCHES	0	0
S	GRILLE	HERITAGE DESIGN CHROME GRILLE W/ BLACK BACKGROUND	0	0
S	PASSENGER SIDE VISIBILITY OPTIONS	AUXILIARY WINDOW IN RH DOOR	3	0
S	FRONT WHEEL OPENING	BASIC FRONT WHEEL OPENING	0	0
S	GRAB HANDLES	PREMIUM BLACK EXTERIOR CAB GRAB HANDLE, BLACK GRAB HANDLE RH INTERIOR WINDSHIELD POST	0	0
	HORN - AIR	(2) MACK RECTANGULAR SINGLE TRUMPET (ONE EACH SIDE OF CAB ROOF)	7	0
S	HORN - ELECTRICAL	SINGLE TONE	0	0
	MIRRORS - EXTERIOR	HADLEY/KAM 4-WAY W/CHROME SHELL RH/LH BOTH MOTORIZED AND HEATED	3	0
	MIRRORS - CONVEX TYPE CAB DOORS	BRIGHT FINISH, LH & RH, 8" DIAMETER CONVEX	0	0
	SUN VISOR - EXTERIOR	SUN VISOR, EXTERIOR, FIBERGLASS (PAINTED)	12	0

			WEIGHT (LB)	
AERODYNAMIC DEVICES	DESCRIPTION		FRONT	REAR
S	CAB AERODYNAMIC PACKAGES	WITHOUT CAB AERO AIDS	0	0
S	FRONT CHASSIS AERODYNAMIC PACKAGE	WITHOUT FRONT AERODYNAMIC FAIRINGS	0	0

			WEIGHT (LB)	
WHEELS & TIRES	DESCRIPTION		FRONT	REAR
	TIRES BRAND/TYRE - FRONT	11R24.5 H BRIDGESTONE R284 ECOPIA (14320 lbs) (Total for QTY = 2)	247	0
	GHG STEER TIRE CATEGORY (PAWS)	ADVANCED LOW ROLLING RESISTANCE, BEST FUEL ECONOMY	0	0
	WHEELS - FRONT	24.5x8.25 ALCOA ULTRA ONE CLEAN BUFFED ALUM, 5.73" INSET, 10 HOLE HUB PILOTED (Total for QTY = 2)	102	0
	TIRES BRAND/TYRE - REAR	11R24.5 H BRIDGESTONE M799 (26440 lbs) (DRIVE ONLY) (Total for QTY = 8)	0	1,112
	GHG DRIVE TIRE CATEGORY (PAWS)	BASIC ROLLING RESISTANCE, POOR FUEL ECONOMY	0	0
	WHEELS - REAR	24.5x8.25 ALCOA ULTRA ONE CLEAN BUFFED ALUM, 6.60" OFFSET, 10 HOLE HUB PILOTED (Total for QTY = 8)	0	406
S	DRIVE WHEEL STUDS	DRIVE WHEEL STUDS LONGER LENGTH	0	0
S	TIRE INFLATION VALVE	STANDARD VALVE STEMS AND CAPS	0	0
S	FRONT HUB/WHEEL TRIM	WITHOUT FRONT HUB/WHEEL TRIM	0	0
S	REAR HUB/WHEEL TRIM	WITHOUT REAR HUB/WHEEL TRIM (Total for QTY = 2)	0	0
	AUXILIARY HUB/WHEEL TRIM	WITHOUT AUXILIARY HUB/WHEEL TRIM	0	0
S	WHEEL NUT & FINISH, FRONT	WHEEL NUT BASIC FINISH, FRONT	0	0
S	WHEEL NUT FINISH, REAR (CA)	WHEEL NUT BASIC FINISH, REAR	0	0

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

			WEIGHT (LB)	
ENGINE ELECTRONICS	DESCRIPTION		FRONT	REAR
S	OIL PRESSURE, ENGINE SHUTDOWN	OIL PRESSURE, ENGINE SHUTDOWN	0	0
	COOLANT LEVEL, ENGINE SHUTDOWN	COOLANT LEVEL ENGINE SHUTDOWN	0	0
S	COOLANT TEMP, ENGINE SHUTDOWN	COOLANT TEMP, ENGINE SHUTDOWN	0	0
S	ENGINE PROTECTION SYSTEM	ENGINE PROTECTION (SHUTDOWN)	0	0
	ENG FAN CNTL, A/C ON, TIME SET	ENG FAN CONTROL, A/C ON, TIME SETTING, 60 SEC	0	0
S	ENGINE IDLE CONTROL	IDLE CONTROL, 650 RPM	0	0
S	SMART IDLE ELEVATED IDLE RPM TIME	INCREASE 10 MINUTE MAXIMUM TIME	0	0
S	IDLE S/D ABS TAMPER CHECK	IDLE SHUTDOWN ABS TAMPER CHECK, ENABLED	0	0
S	IDLE S/D IF WARM-UP TEMP	38C DEG (100F), WARM UP TEMP DELAY	0	0
S	IDLE S/D WARM-UP TIMER	5 MIN. WARM UP TIME DELAY	0	0
S	IDLE SHUTDOWN IF POWER > LIMIT	ENG IDLE SHUTDOWN TIME OVERRIDDEN IF TORQUE > THAN LIMIT	0	0
S	IDLE S/D OVERRIDE %ENGINE LOAD	IDLE SHUTDOWN OVERRIDE UPTO 20% ENGINE LOAD THRESHOLD	0	0
S	AMBIENT TEMP MIN TRESHOLD	AMBIENT TEMP MIN TRESHOLD, 16 DEG C, (60 DEG F)	0	0
S	AMBIENT TEMP MAX TRESHOLD	AMBIENT TEMP MAX TRESHOLD, 27 DEG C, (80 DEG F)	0	0
S	EL HD THROTTLE,MAX ROAD SPEED	ELECTRONIC HAND THROTTLE, MAX ROAD SPEED, 16 KM/H (10 MPH)	0	0
S	EL HAND THROTTLE,MAX ENG SPEED	ELECTRONIC HAND THROTTLE, MAX ENGINE SPEED, 1000 RPM	0	0
S	EL HAND THROTTLE,MIN ENG SPEED	ELECTRONIC HAND THROTTLE, MIN ENGINE SPEED, 700 RPM	0	0

			WEIGHT (LB)	
TRANSMISSION ELECTRONICS	DESCRIPTION		FRONT	REAR
S	ECONO ROLL	ECONO ROLL DISABLE mDRIVE (REQUIRED FOR ALL OTHER TRANSMISSIONS)	0	0
S	TRANSMISSION ELECTRONICS PACKAGE	W/O ELEC TRANS PACKAGE OPTION (all non-Allison transmissions)	0	0
S	TRANSMISSION ELECTRONIC SHIFTING PROPERTIES	W/O ALLISON FUELSENSE 2.0 PROGRAMMING	0	0

			WEIGHT (LB)	
VEHICLE ELECTRONICS	DESCRIPTION		FRONT	REAR
S	CRUISE CONTROL	CRUISE CONTROL	0	0
S	CRUISE CONTROL, MAX SPEED	MAX CRUISE, 105 KPH (65 MPH)	0	0
S	CRUISE CONTROL MIN SPEED	MIN CRUISE, 32 KPH (20 MPH)	0	0
S	CRUISE RESUME WITH CLUTCH	CRUISE RESUME WITH CLUTCH	0	0
S	ENG BRK ENGAGE IN CRUISE	ENG BRK ENGAGE IN CRUISE, 3 MPH, ABOVE SET SPEED	0	0
S	PEDAL RSL SETTING	101 KM/H PEDAL ROAD SPEED LIMITER (63MPH)	0	0
S	ROAD SPEED LIMITER SETTING	105 KM/H ROAD SPEED LIMITER(65 MPH)	0	0
S	ROAD SPEED LIMIT CONTROL TYPE	RSL CONTROL TYPE NORMAL	0	0
S	PDLO ENGAGED VLS	POWER DIVIDER LOCK OUT (PDLO) ROAD SPEED LIMIT 8KM/H (5MPH)	0	0
S	MAXIMUM ENG SPEED AT 0 MPH	1000 MAXIMUM ENGINE SPEED AT 0 MPH	0	0
S	DETECTION SPEED SENSR TMPRNG	DETECTION OF SPEED SENSOR TAMPERING, ENABLE	0	0
S	ENG TORQUE LIMIT,SPEED SENSOR	ENG TORQUE LIMITED TO 50%, IF SPEED SENSOR TAMPER DETECTED	0	0
S	DRIVER ID FUNCTION	DRIVER ID FUNCTION, DISABLED	0	0
	DR PERFORMANCE PARAMETERS	WITHOUT DRIVER PERFORMANCE PARAMETERS	0	0

TECHNICAL SPECIFICATION (cont.)

MACK®

			WEIGHT (LB)	
VEHICLE ELECTRONICS	DESCRIPTION		FRONT	REAR
S	ENGINE OVERSPEED,ALL COND, LOG	ENGINE OVERSPEED, ALL CONDITIONS, TIME LOG IF ABOVE 2200 RPM	0	0
S	ENGINE OVERSPEED,FUELED, LOG	ENGINE OVERSPEED, FUELED, TIME LOG IF ABOVE 2100 RPM	0	0
S	VEHICLE OVERSPEED,ALL COND,LOG	VEHICLE OVERSPEED,ALL COND, TIME LOG IF ABOVE 75MPH (121KMH)	0	0
S	VEHICLE OVERSPEED, FUELED, LOG	VEHICLE OVERSPEED, FUELED, TIME LOG IF ABOVE 70MPH (113KMH)	0	0
S	ENGINE IDLE DELAY TO LOG	ENGINE IDLE DELAY TO START LOG, 2 MIN	0	0
S	PERIODIC TRIP LOG DAY OF MONTH	PERIODIC TRIP LOG, DAY 1 OF THE MONTH	0	0

			WEIGHT (LB)	
PAINT	DESCRIPTION		FRONT	REAR
S	PAINT DESIGN	SINGLE COLOR	0	0
S	PAINT TYPE	SOLID PAINT	0	0
S	PAINT COLOR - FIRST COLOR	MACK WHITE; P9188	0	0
S	PAINT COLOR - SECOND COLOR	NO SECOND TRUCK COLOR PROVIDED; NO COLOR	0	0
S	PAINT COLOR - THIRD COLOR	NO THIRD TRUCK COLOR PROVIDED; NO COLOR	0	0
S	PAINT - CAB PAINT SYSTEM	PAINT - CAB, URETHANE CLEAR COAT	0	0
S	CAB COLOR	SAME AS FIRST COLOR - CAB	0	0
S	HOOD COLOR	SAME AS FIRST COLOR - HOOD	0	0
	SUN VISOR COLOR	SAME AS FIRST COLOR - SUN VISOR	0	0
S	ROOF FAIRING COLOR	WITHOUT ROOF FAIRING	0	0
	CHASSIS RUNNING GEAR	MACK BLACK (URETHANE)	0	0
S	BUMPER	W/O OPTIONAL BUMPER PAINT	0	0
S	FUEL TANK - ***NO INVENTED VARIANTS ALLOWED in the FUEL TANK PAINT FAMILY***	W/O OPTIONAL FUEL TANK PAINT	0	0
S	HUBS & DRUMS-FRONT	SAME AS CHASSIS RUNNING GEAR	0	0
S	HUBS & DRUMS-REAR	SAME AS CHASSIS RUNNING GEAR	0	0

			WEIGHT (LB)	
CALCULATED CODES - KAX	DESCRIPTION		FRONT	REAR
S	PROPCALC SELECTION	YES, THE ORDER MUST BE CALCULATED	0	0
	AUTO ROUTING & CLIPPING, CENTER	AUTOMATIC ROUTING & CLIPPING PLACEMENT, CENTER SECTION	0	0

			WEIGHT (LB)	
BASE WARRANTY & PURCHASED COVERAGES	DESCRIPTION		FRONT	REAR
S	VEHICLE WARRANTY TYPE	NORMAL DUTY WARRANTY CLASSIFICATION	0	0
S	BASIC CHASSIS COVERAGE	NORMAL DUTY STANDARD BASE COVERAGE 12 MONTHS/100,000 MILES (161,000KM)	0	0
S	ENGINE WARRANTY	MACK MP7/MP8 BASE ENGINE COVERAGE 24 MONTHS / 250,000 MILES (402,000KM)	0	0
S	EMISSION COMPONENT COVERAGE	US and CANADA EQUIPPED VEHICLE EMISSION COMPONENTS COVERAGE 60 MONTHS/100,000 MILES (161,000 KM)	0	0
	TRANSMISSION WARRANTY	T300 TRANSMISSION STANDARD NORMAL DUTY COVERAGE 60 MONTHS/750,000 MILES (1,207,000 KM)	0	0
S	CARRIER & AXLE HOUSING WARRANTY	STANDARD VENDOR NORMAL / HEAVY DUTY COVERAGE 36 MONTHS/350,000 (563,00 KM)	0	0
	AIR CONDITIONING WARRANTY	AIR CONDITIONING STANDARD COVERAGE (Sealed System Only) 12 MONTHS UNLIMITED MILEAGE	0	0

PRICELIST DATE

20200601

QUOTATION

NEXT2020000148C614

DATE

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PAGE

10 of 11

CUSTOMER NAME

DEALER NAME

NEXTRAN CORPORATION

TECHNICAL SPECIFICATION (cont.)



			WEIGHT (LB)	
USE WARRANTY & PURCHASED COVERAGES		DESCRIPTION	FRONT	REAR
S	CHASSIS TOWING WARRANTY	STANDARD NORMAL / HEAVY DUTY CHASSIS TOWING 90 DAYS OR 5,000 MILES	0	0
S	ENGINE TOWING WARRANTY	STANDARD MACK ENGINE TOWING COVERAGE 24 MONTHS/250,000 MILES (402,000 KM)	0	0
S	GUARDDOG CONNECT BUNDLE	24 MONTH - GUARDDOG CONNECT WITH MACK OTA (with ASIST and Mack OneCall)	0	0
S	PREMIUM MAINTENANCE - CHASSIS LUBE AND INSPECTION	W/O PREMIUM MAINTENANCE - CHASSIS LUBE AND INSPECTION COVERAGE	0	0

			WEIGHT (LB)	
Z - TO BE DISCONTINUED - GOING OBSOLETE		DESCRIPTION	FRONT	REAR
S	PAINTED DISC WHEELS, FRONT	WITHOUT PAINT	0	0
S	PAINTED DISC WHEELS, REAR	WITHOUT PAINT	0	0

FRONT / REAR AXLE WEIGHTS (LB)

9533

9156

TOTAL WEIGHT (LB)

18689

Dealer Installed Options:

- Dealer Predelivery and inspection
- DOT Inspection and Decal



PI64T



STANDARD POWERTRAIN SPECIFICATIONS

ENGINE: MACK MP8-415C

Peak Horsepower - 415 HP at 1400-1700 RPM
Horsepower - 295 HP at 2000 Gov. RPM
Max. Torque - 1660 lb. ft. at 1050-1300 RPM
V-MAC IV - Total Vehicle Electronics
Air Compressor - Meritor/Wabco 318 (18.7 CFM)
Air Cleaner - 11" Single Element
Alternator - Delco 12V 130A (24SI)
Batteries - (3) Mack 12V 650/1950 CCA Threaded Stud Type
Coolant Protection: -34 degrees F (-37 C)
Mack Coolant Conditioner
ClearTech One DPF/SCR Emission System
Mack PowerLeash Engine Brake
Silicone Engine Hoses and Tubing
Poly-V Fan Belt with Automatic Tensioner
Fan Drive: Electronically Modulated Multi-Speed Viscous
Flywheel Housing - Aluminum (Lightweight)
Mack Fuel/Water Separator with Manual Drain Valve
Radiator - Aluminum Core
Starter - Delco 12V 39MT-MTX
Electronic Starter Interlock

TRANSMISSION: MACK mDRIVE TMD12AFO

12-Speed, Ratios: 11.73 Low - 0.78 High
Overdrive
Clutch - Single Plate 17" Organic Material
Transmission Bell Housing - Aluminum
Transmission Oil Cooler - mDRIVE Gear Box Mounted,
Water to Oil Cooler
Grade Gripper
Mackcellerator
Main Driveline - Meritor RPL25 Series with Permalube U-Joints

REAR AXLE: MERITOR MT-40-14X

40,000 Pound Capacity
Suspension - Maxlite 40EZ Air Suspension
40,000 Pound Rating
Tires - 295/75R22.5 (Low Profile)
Carrier - Malleable Housing
Wheels - Aluminum Disc, 22.5" x 8.25",
10-Hole, Hub Piloted
Hub Material - Aluminum Preset w/ Integrated
Spindle Nut
Brakes - Bendix 16.5" x 7"
Brake Drums - Cast Outboard Mounted
Premium Rear Wheel Seals
Slack Adjusters - Automatic
Spring Brake Chambers - 30/30 Double
Diaphragm Type, Mechanical
Spring Release
Shock Absorbers - (4) Mounted on Forward
and Rear Axles Each Side

FRONT AXLE: MACK FXL12

12,000 Pound Capacity
Suspension - Mack Taperleaf Springs,
12,000 Pound Rating, (2 Springs)
Tires - 295/75R22.5 (Low Profile)
Wheels - Aluminum Disc, 22.5" x 8.25",
10-Hole, Hub Piloted
Hub Material - Aluminum
Integrated Front Wheel Seals
Brakes - Bendix 15" x 5"
Brake Drums - Cast Outboard Mounted
Shock Absorbers - Double Acting Type
Slack Adjusters - Automatic
Steering - TAS65 TRW Integral Power Steering

PI64T



STANDARD CAB INTERIOR/EXTERIOR SPECIFICATIONS

CAB: CONVENTIONAL

Air Conditioning with Integral Heater
Cab Mounting - 4 Point, Air Bags
and Shocks at Rear
12 Volt and USB Outlets
Coat Hook
Co-Pilot Driver Display with
GuardDog Maintenance, Stalk Controls
Cup Holders
Dome Lamps - 2RH / 2LH
Galvanized Steel Visibility Doors
Door Trim - Padded Armrests and Map Pockets
Floor Mats - Polyurethane
Gauges - Air Pressure (Primary and Secondary)
Engine Coolant Temperature, Engine Oil
Pressure, Speedometer, Tachometer,
Fuel Level, DEF Level
Optional Gauges - Exhaust Pyrometer, Boost
Pressure, Transmission Oil Temperature,
Engine Oil Temperature, Air Application
Grab Handles, Exterior - RH & LH Behind Door
Hood - DCPD Material, Insulated
Horn - Electric, Single Tone
Identification and Clearance Lights (5)
Instrument Panel - Gunmetal Trim
Interior Trim: Standard - Steel Gray

Keys - (2) Keyed at Random
Key Type Starter Switch
Low Pressure Indicator Light and Buzzer
Exterior Mirrors - RH & LH Aerodynamic
Overhead Console with Storage Compartments
Parking Brake "On" Indicator Light
AM/FM Premium Stereo, CD Player, MP3
Weather Band, Bluetooth
CB Connections - 5 way Binding Posts
Driver Seat - High Back, 1 Chamber Lumbar,
Air Suspension
Rider Seat - High Back, Non-Suspension
Seat Belts - Lap and Shoulder
Steering Column - Tilt and Telescopic
Steering Wheel - Urethane Foam Grip,
Gunmetal Spokes
Rear Storage Pouch
Right Hand Door Peep Window
Sunvisors - Interior, RH & LH
Window Controls - Power
Windshield - Tinted, 2 Piece
Cab Glass - Tinted
Windshield Wipers - 2 Speed Electric Motor
with Intermittent Feature
Paint Color - Mack White (Cab, Hood, and
Fenders), Mack Black (Chassis and
Running Gear)

ADDITIONAL STANDARD SPECIFICATIONS

AIR/BRAKE

Dual Air Brake System
Air Dryer - 1200P w/ Coalescing Filter
Air Reservoirs - Steel
Electronic Stability Control
Parking Brake Control - 2 Valve System, Trailer
Supply and Tractor-Trailer Park
Electric Plug Holder (Includes Glad Hand Storage)
Hand Control Valve for Trailer Brakes
Hose Tender - Pogo Stick, Chassis Mounted
Manual Drain Valve - Lanyard Control on Supply
Tank
Trailer Connection Package - Semi
Trailer Air Hoses & Electric Cord - 12' Straight Type
Trailer Receptacle - (7) Wire Mounted on Back of Cab

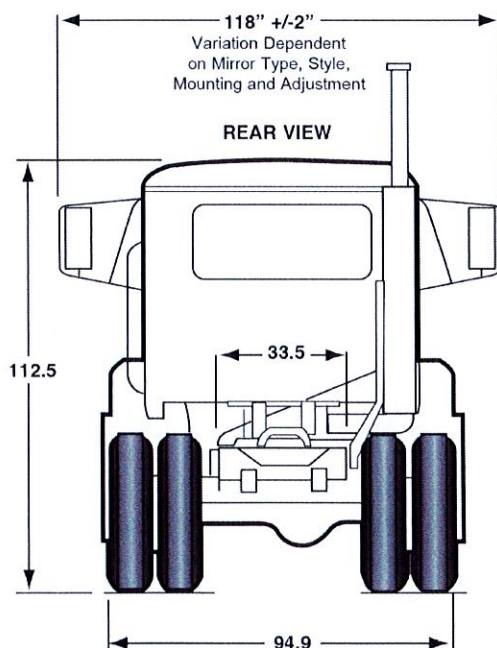
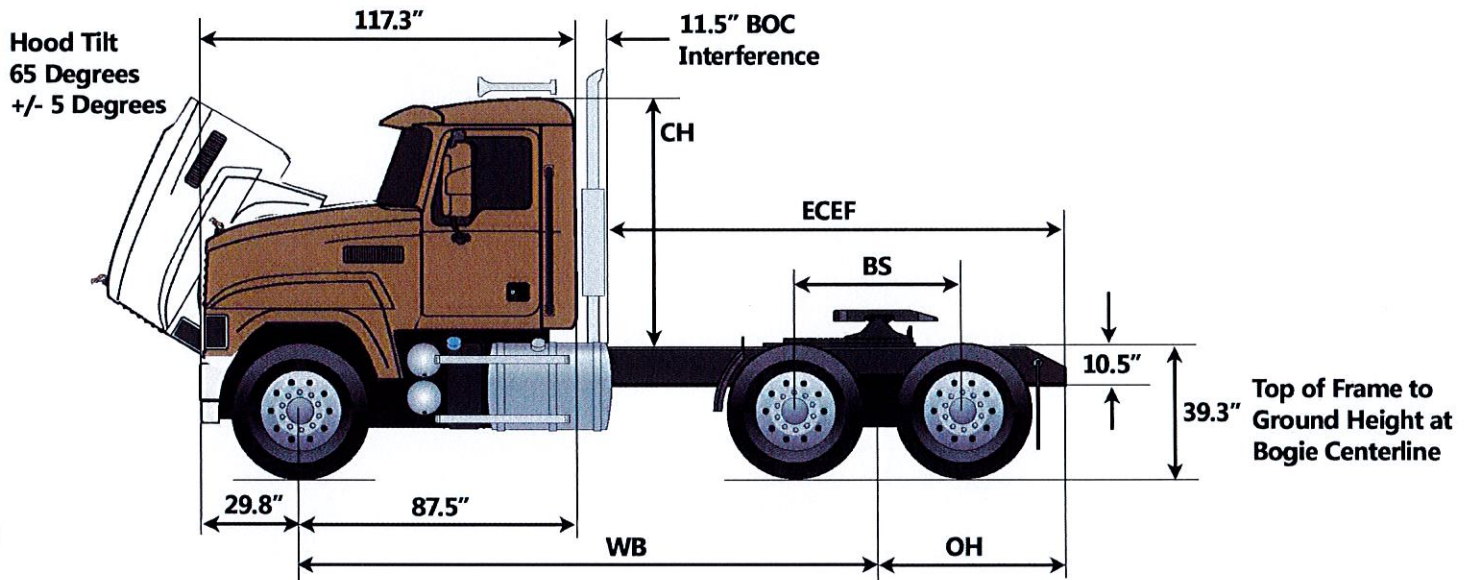
ELECTRICAL

12 Volt Electrical System
Battery Box - Steel with Molded Plastic Cover
Courtesy Light Switch - Headlamp and Clearance
GuardDog connect Services
Daytime Running Lights
Electric Circuit Protection Package
Waterproof Electrical Connections
Headlights - Flush Mounted LED Lights
Rear Lighting - (2) Combination Stop, Tail,
Directional, and Back-Up Lights
Triples Trailer Electrical Package
Solid State Turn Signal Flasher

PI64T



STANDARD CHASSIS DIMENSIONS



FRAME EQUIPMENT/FUEL TANKS

- Frame Rail w/out Liner – 10.47" x 3.54" x .24" Steel
- Section Modulus – 11.6 in³
- RBM (per rail) – 1,390,000 lb. in.
- Front Bumper – Stainless Steel Clad Aluminum Flush Mounted
- Bumper to Back of Cab (BBC) – 117"
- Crossmembers – Steel/Rear Crossmembers – Boxed and Tapered
- Fifth Wheel – Air Slide LH Release, Bolt to Outboard Mtg. Angles
- Tapered and Flanged Rail Ends – 28°
- Front Tow Device – (2) Clevis
- Fuel Tanks – 93 Gallon LH & RH, 26" dia. Aluminum
- Fuel Lines – Dual Draw & Return, Material – Nylon Tube
- Diesel Exhaust Fluid (DEF) Tank - 18.4 Gallon, 26" Diameter
Frame Mounted on Left Side with Painted Cover

STANDARD WHEELBASE/LOAD PLATFORM

For standard wheelbase and load platform information refer to your current version of MSS

PI64T



AVAILABLE DRIVELINE COMPONENTS

MP8 ENGINES	
MODEL	HORSEPOWER / TORQUE
MP8-415C	415 HP [309kW] @ 1400-1700 RPM 1660 lb. ft. [2251 Nm] @ 1050-1300 RPM
MP8-445C	445 HP [332kW] @ 1300-1800 RPM 1815 lb. ft. [2460 nM] @ 1150-1300 RPM
MP8-505C	505 HP [377 kW] @ 1500-1700 RPM 1860 lb. ft. [2508nM] @ 1100-1400 RPM
MP8-415E	415 HP [310kW] @1400-1700 RPM 1660 lb. ft. [2251 nM] @ 1000-1300 RPM
MP8-445E	455 HP [339kW] @ 1300-1700 RPM 1815 lb. ft. [2460 nM] @ 1100-1300 RPM
MP8-505E	505 HP [377kW] @ 1400-1700 RPM 1860 lb. ft. [2508nM] @ 1100-1400 RPM
MP8-505A	505 HP [377 kW] @ 1500-1700 RPM 1860 lb. ft. [2508nM] @ 1100-1400 RPM
MP8-415SE - TC	415 HP [310 kW] @ 1300-1700 RPM 1760 lb. ft. [2386] @ 900-1300 RPM
MP8-445SE - TC	445 HP [332 Kw] @1400-1700 RPM 1860 lb. ft. [2432 kW] @ 900-1300 RPM

MACK TRANSMISSIONS			
MODEL	SPEEDS	RATIOS	LOW/HIGH
T309	9	11.40 / 0.71	
T310	10	13.81 / 0.73	
T310M	10	17.35 / 0.73	
T313	13	13.44 / 0.74	
T31321	13	13.44 / 0.71	
T313LR	13	16.42 / 0.71	
T313LR21	13	16.42 / 0.71	
T318	18	13.44 / 0.71	
T318LR	18	16.42 / 0.71	
T31821	18	13.44 / 0.71	
T318LR21	18	16.42 / 0.71	

MACK <i>m</i> DRIVE TRANSMISSIONS			
MODEL	SPEEDS	F. RATIOS	R. RATIOS
TmD12AFD	12	14.94 / 1.00	17.49 / 13.73
TmD12AFO	12	11.73 / 0.785	13.73 / 10.78
TmD12AFD-HD	12	14.94 / 1.00	17.49 / 13.73
TmD12AFO-HD	12	11.73 / 0.785	13.73 / 10.78
TmD13AFD-HD	13	19.34 / 1.00	37.49 / 8.62
TmD13AFO-HD	13	17.54 / 0.785	20.53 / 10.78
TmD14AFO-HD	14	32.04 / 0.785	37.49 / 8.62

EATON FULLER TRANSMISSIONS			
MODEL	SPEEDS	RATIOS	LOW/HIGH
FA14810B	10	15.42 / 1.00	
FA15810B	10	15.42 / 1.00	
FAM15810B	10	15.42 / 1.00	
FAO14810C	10	12.80 / 0.73	
FAO15810C	10	12.80 / 0.73	
FAO16810C	10	12.80 / 0.73	
FAOM15810C	10	12.80 / 0.73	
FAOM16810C	10	12.80 / 0.73	
FR15210B	10	14.80 / 1.00	
FRO14210C	10	12.69 / 0.74	
FRO15210C	10	12.69 / 0.74	
FRO16210C	10	12.69 / 0.74	
FRO17210C	10	12.94 / 0.74	
FRO18210C	10	12.94 / 0.74	
FRW15210B	10	16.21 / 1.00	
RTO14908LL	10	14.56 / 0.74	
RTO16908LL	10	14.56 / 0.74	
RTLO16913A	13	12.31 / 0.73	
RTLO18913A	13	12.31 / 0.73	
RTO16915	15	13.31 / 0.79	
RTLO16918B	18	14.40 / 0.73	
RTLO18918B	18	14.40 / 0.73	

ALLISON TRANSMISSIONS			
MODEL	SPEEDS	RATIOS	LOW/HIGH
3000-RDS	5	3.49 / 0.75	
3000-RDS	6	3.49 / 0.65	
4000-RDS	6	3.51 / 0.64	
4500 RDS	5	4.70 / .076	
4500 RDS	6	4.70 / .067	

AVAILABLE DRIVELINE COMPONENTS CONTINUED

FRONT AXLES		
MODEL	MAKE	CAPACITY
FXL12	MACK	12,000 lb. [5443 kg.]
E1252IR	DANA SPICER	
MFS131	MERITOR	
STEERTEK	HENDRICKSON	
FXL12.5	MACK	12,500 lb. [5681 kg.]
E1252IR	DANA SPICER	
MFS131	MERITOR	
STEERTEK	HENDRICKSON	
FXL13.2	MACK	13,200 lb. [6000 kg.]
E1322IL	DANA SPICER	
MFS131	MERITOR	
STEERTEK	HENDRICKSON	
FXL14.6	MACK	14,600 lb. [6486 kg.]
MFS141	MERITOR	
STEERTEK	HENDRICKSON	

REAR AXLES - TANDEM		
MODEL	MAKE	CAPACITY
S38R	MACK	38,000 lb. [17,237 kg.]
S40	MACK	40,000 lb. [18,100 kg.]
S402R	MACK	
MT-40-14X4C	MERITOR	
MT-40-14X4D	MERITOR	
RT40-145A	MERITOR	
DS405	DANA SPICER	
D40-155	DANA SPICER	
D40-156	DANA SPICER	
D40-155H	DANA SPICER	
D40-156H	DANA SPICER	
S440	MACK	44,000 lb. [19,958 kg.]
S460	MACK	46,000 lb. [20,886 kg.]
S462	MACK	
S462R	MACK	
RT46-160	MERITOR	
RT46-164EH	MERITOR	
D46-170	DANA SPICER	

Product Information



004-2110 Premium Trim Steel Grey (004034)

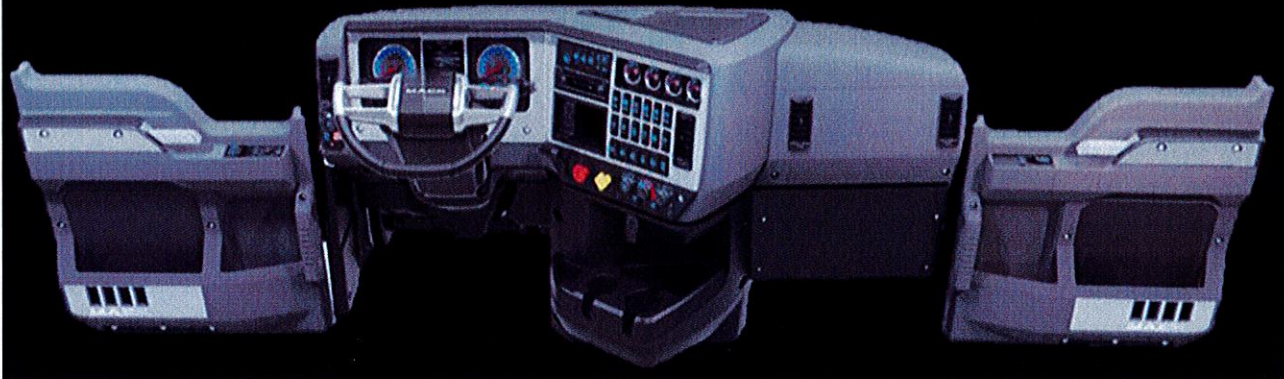
Affects: Anthem, Pinnacle, Granite

Related: Seats (196/197), Seat Covering (MAP/MAQ)

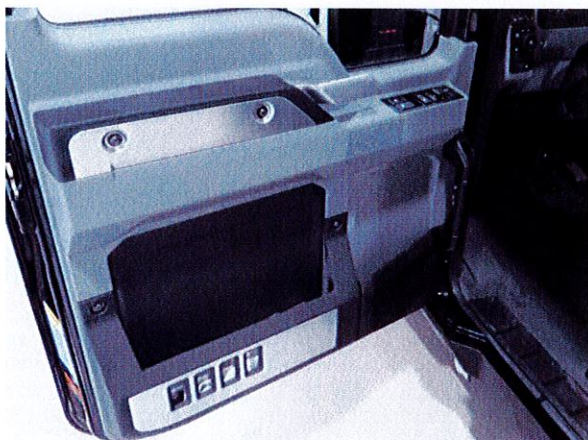
Updated: November 16, 2017

PREMIUM TRIM - GREY

Grey interior; available on all models - day cabs and sleeper cabs



Left Door:



Right Door:



Both door panels have a black grab handle as a standard feature.

Product Information



004-2110 Premium Trim Steel Grey (004034)

Affects: Anthem, Pinnacle, Granite
Related: Seats (196/197), Seat Covering (MAP/MAQ)
Updated: November 16, 2017



INTERIOR TRIM LEVELS						
TRIM LEVEL	DASH & DOOR TRIM	SEAT COVERING	STEERING WHEEL	DOOR INSERT	SLEEPER	HEADLINER
STANDARD	GUN METAL	VINYL, VINYL & CLOTH	STANDARD WHEEL W/O CONTROLS	NONE	STEEL GRAY	VINYL
STANDARD PLUS	GUN METAL	VINYL, VINYL & CLOTH	STANDARD WHEEL W/ CONTROLS	NONE	STEEL GRAY	VINYL
PREMIUM	BRUSHED ALUMINUM	VINYL & CLOTH, ULTRA LEATHER	LEATHER WRAPPED WHEEL WITH CONTROLS	STITCHED FABRIC	STEEL GRAY	VINYL
ULTRA	WOOD GRAIN	ULTRA LEATHER	LEATHER WRAPPED WHEEL WITH CONTROLS	EMBOSSED LEATHER	STEEL GRAY WITH LEATHER	DIAMOND EMBOSSED

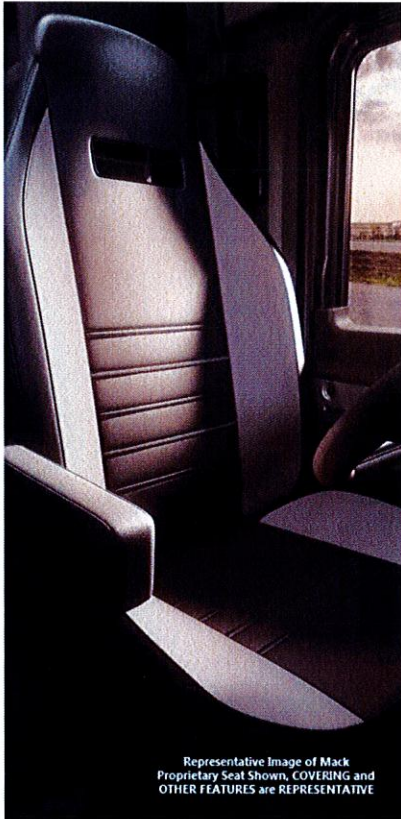
INTERIOR COLORS	DAY CAB	48" SLEEPER	70" SLEEPER	STANDARD TRIM	STD. PLUS TRIM	PREMIUM TRIM	ULTRA TRIM
STEEL GRAY / BLACK	X	X	X	X	X	X	
SIERRA TAN	X			X	X	X	
GRAY/BLACK/UMBER			X				X

Product Information



196-3140 Driver Seat (196ABQ)

Affects: Conventional Models
Related: Interior Trim (004)
Updated: December 6, 2017



196-3140 FEATURES	MODEL	MODEL
FEATURE	DAY CAB	SLEEPER
SEAT TYPE	HIGH BACK	HIGH BACK
UPHOLSTERY	VINYL/CLOTH	VINYL/CLOTH
SEAT BACK	CARPET	CARPET
BASE	AIR	AIR
SHOCK ABSORBER	STD. NON-ADJUSTABLE	STD. NON-ADJUSTABLE
SWIVEL	N/A	N/A
BOLSTER (THIGH)	STANDARD	STANDARD
LUMBAR (# OF CHAMBERS)	4	4
HEAT	N/A	N/A
DUST COVER	OPTIONAL	OPTIONAL
ARM REST	REQUIRED	REQUIRED
HEAT	N/A	N/A

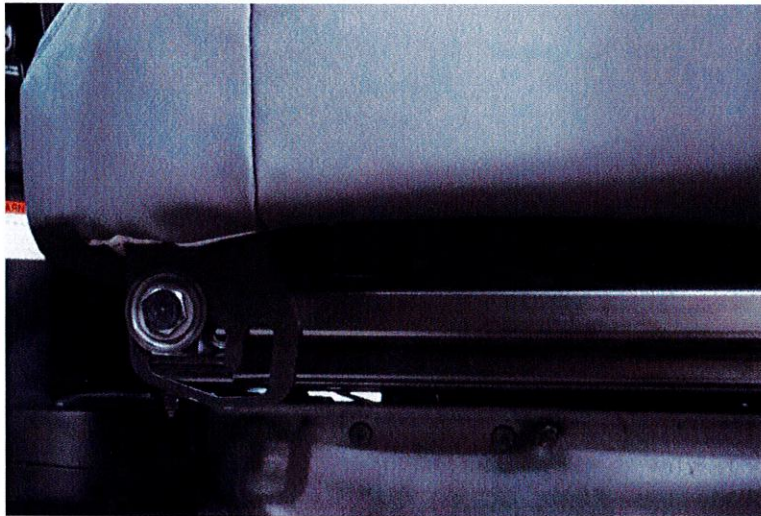
Product Information



196-3140 Driver Seat (196ABQ)

Affects: Conventional Models
Related: Interior Trim (004)
Updated: December 6, 2017

Bolster Adjustment:



Lumbar Switches:



Product Information



161- Steering Wheels (161-0012, 161-0020, 161-0021, 161-0022)

Affects: Conventional Models

Related: Interior Trim Package (004)

Updated: January 12, 2018

161-0012, Standard Steering Wheel. Urethane Foam Rim, Gunmetal Spokes, No Controls



161-0020, Standard Steering Wheel. Urethane Foam Rim, Satin Aluminum Spokes, Steering Wheel Controls



Product Information



161-	Steering Wheels (161-0012, 161-0020, 161-0021, 161-0022)
Affects:	Conventional Models
Related:	Interior Trim Package (004)
Updated:	January 12, 2018

161-0021, Premium Steering Wheel. Leather Wrapped Rim, Leather Horn Pad, Satin Aluminum Spokes, Steering Wheel Controls



161-0022, Ultra Steering Wheel. Dark Saddle Leather Wrapped Rim, Leather Horn Pad, Satin Aluminum Spokes, Steering Wheel Controls

Only available on 70" stand up sleeper.

An Ultra Steering Wheel was not available to photograph, this is a sample of the Dark Saddle Leather used on the rim. The Ultra Wheel is the same as the Premium with the exception of the rim covering.



Product Information



161- Steering Wheels (161-0012, 161-0020, 161-0021, 161-0022)
Affects: Conventional Models
Related: Interior Trim Package (004)
Updated: January 12, 2018

STEERING WHEEL CONTROLS



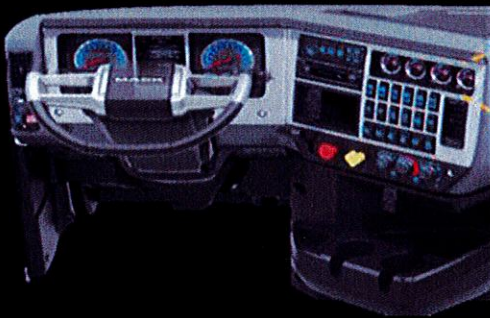
LOCATION	LEFT HAND				RIGHT HAND			
Functional Area	Cruise Control	Cruise Control	Phone	Phone	Radio	Radio	Radio	Radio
Button Function	Resume+ Set-	On Cancel	Answer/ Mute	Hang- Up	Seek Up/Down	Volume + Volume -	Mode	Mute

Product Information



2GP- Secondary Gauge Package (CCX-)
Affects: Anthem, Pinnacle, GUs
Related: Interior Trim (004)
Updated: September 11, 2017

AUXILIARY GAUGE CLUSTER



Auxiliary gauges are located on the D-panel

there are three available packages consisting of four gauges each:

- Package A: engine oil temp., trans. oil temp., pyrometer, air application
- Package B: engine oil temp., trans. oil temp., pyrometer, boost pressure
- Package C: boost pressure, trans. oil temp., pyrometer, air application

NOTE: When auxiliary gauges are ordered the redundant digital gauges in the CoPilot are disabled

Package A:





MACK

Product Information

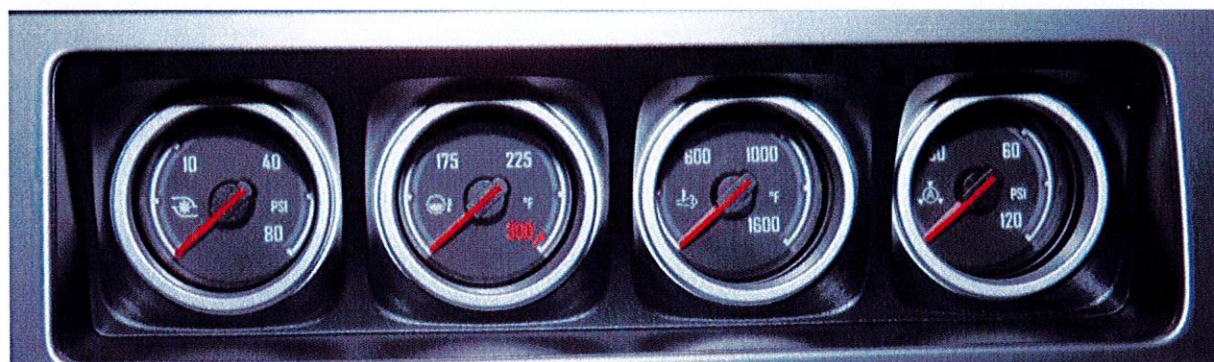
2GP- Secondary Gauge Package (CCX-)

Affects: Anthem, Pinnacle, GUs

Related: Interior Trim (004)

Updated: September 11, 2017

Package C:



Package B was not available to photograph at the time of this publication.



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PRODUCT INFORMATION

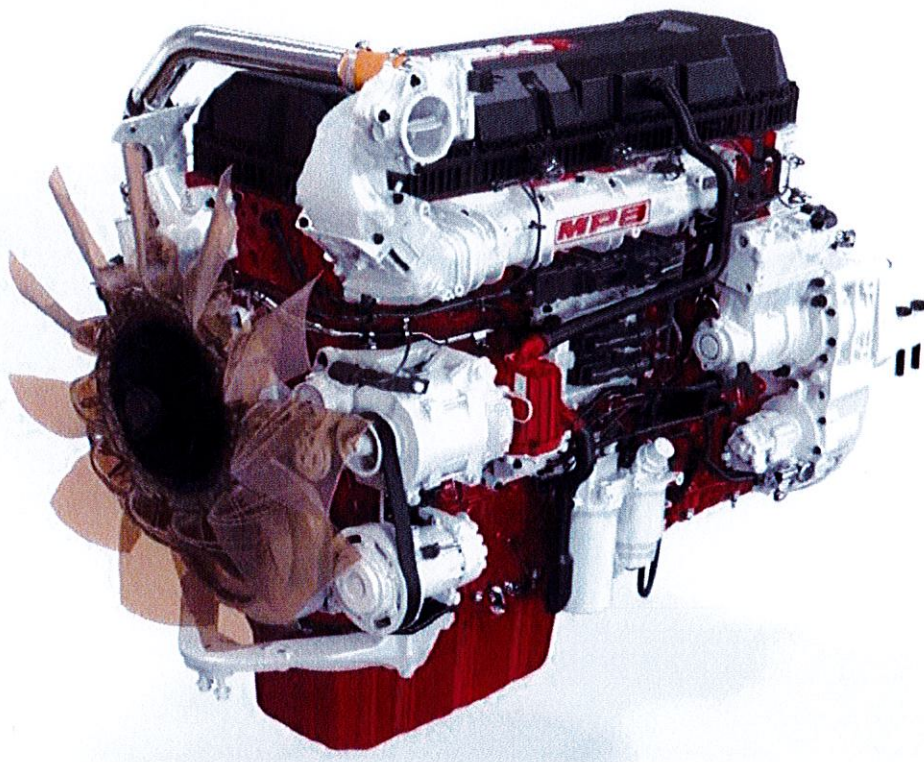
Sales Engineering

Mack Trucks, Inc.
Allentown, PA 18103
United States

Phone: 800 868 6225
Fax: 610 351 8791

MackTrucks.com

PID Code/Condition: 100-1768
Description: Mack MP8-505C US17
Date: March 1, 2017



FEATURES:

- High Torque MAXICRUISE Diesel Engine
- Maximum Horsepower 505 BHP [377 kW]
- Variable Speed Water Pump
- Electronic Common Rail Fuel Injection
- V-MAC IV Total Vehicle Electronics System
- Wide Operating Range 600 – 2000 RPM
- Variable Geometry Turbocharger
- Extended Service Intervals
- MACK PowerLeash Engine Brake
- Variable Speed Water Pump

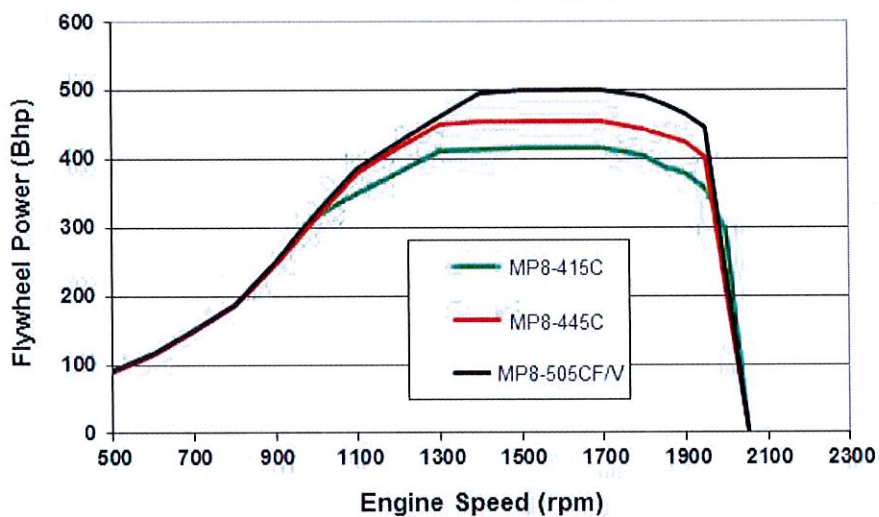
The information in this document was accurate as of the date of release and pertains to the current version of Mack's Sales Tool. Mack Trucks, Inc. reserves the right to make changes in specifications, equipment or design, or to discontinue models or options without notice.



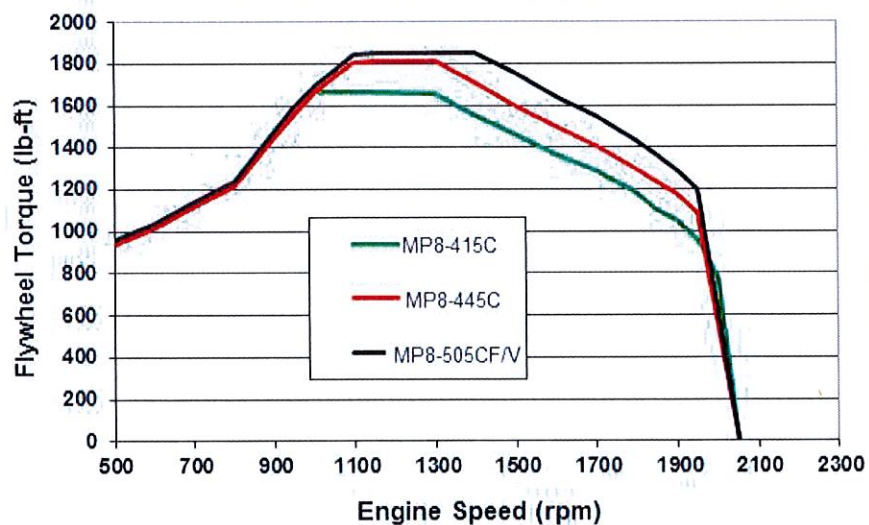
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PRODUCT INFORMATION

2017 MP8 Maxicruise Power Curves



2017 MP8 Maxicruise Torque Curves



The information in this document was accurate as of the date of release and pertains to the current version of Mack's Sales Tool. Mack Trucks, Inc. reserves the right to make changes in specifications, equipment or design, or to discontinue models or options without notice.



SED

PRODUCT INFORMATION

SPECIFICATIONS:

Peak HP [kW] @ RPM	505 [377] @ 1500 – 1700
HP [kW] @ Governed RPM	228 [170] @ 2000
Max. Torque lb. ft. [Nm] @ RPM	1860 [2432] @ 1100 - 1400
Type	Direct Injection Diesel
Number of Cylinders	6, In-Line
Bore & Stroke, inches [mm]	5.16 X 6.22 [131 X 158]
Displacement, cubic inches [L]	780 [13]
Compression Ratio	16:1
Firing Order	1 - 5 - 3 - 6 - 2 - 4
Torque Rise	67%
Clutch Engagement . lb. ft. [Nm] @ RPM	1240 [1681] @ 800
Idle Speeds:	
Low	Adjustable, 600 RPM
High	2000 RPM
Engine Brake Retarding Power [If Applicable]	500 HP [372 kW] @ 2000 RPM
Weight, Dry [Approximate] lbs. [kg]	2597 [1177]
Flywheel Housing	Die Cast Aluminum
Cylinder Block	Alloyed Grey Cast Iron with Ladder Frame Reinforcement
Cylinder Liners	Full Wet Design, Plateau Honed
Cylinder Head Assembly:	
Type	Grey Cast Iron Slab Head with Intermediate Deck
Configuration	Single Overhead Cam, 4 valves per Cylinder
Valve Type	Poppet
Valve Insert Material	Super Alloy [Serviceable]
Piston and Rings:	
Piston Type	Monotherm Single Piece Steel with Closed Cooling Gallery
Pin Diameter, inches [mm]	2.125 [55]
Rings	2 Compression, 1 Oil Control
Crankshaft:	
Material	Forged, Carbon Steel
Heat Treatment	Induction Hardened Journals/Fillet
Main Bearing Diameter inches [mm]	4.5 [114]
Charge Air Cooling	Chassis Mounted, Air – To – Air
Fuel System	High Pressure F2 Common Rail
Fuel Supply Pump	ZF Meritor
Fuel Filter	Spin On, Disposable

The information in this document was accurate as of the date of release and pertains to the current version of Mack's Sales Tool. Mack Trucks, Inc. reserves the right to make changes in specifications, equipment or design, or to discontinue models or options without notice.



SED

PRODUCT INFORMATION

Lubrication System:

Type Full Pressure, Wet Sump
Oil Filters . . 2 Spin On Full Flow Disposable, Single Bypass Disposable
Oil Cooler Stainless Steel Plate
Total Oil Capacity 33 Quarts, Includes Filters
Drain Plug Magnetic

Cooling System:

Capacity Quarts [L] 17 [16]
Thermostats 180 Degrees F, 82 Degrees C
Hose Material Mack Brand EPDM

Air Compressor:

Type Meritor/WABCO
Standard Capacity:
GU7, & GU8 18.7 cfm [8.9L/s]
MRU, LR 37.4 cfm [17.8L/s]

Turbocharger Holset, Sliding Nozzle Ring variable Geometry with Water Cooled
Actuator and Bearings, and Electronic Controls

Accessory Belt Poly – V with Automatic Tensioners

EGR System:

Single EGR Valve Assembly Modulated Cast Stainless Steel
EGR Cooler Stainless Steel Tube and Insert Gas to Coolant

OIL/FILTER SERVICE INTERVALS:

Refer to the latest version of the Mack Maintenance and Lubrication Manual

OPTIONAL EQUIPMENT:

High Capacity Air Compressor
120 Volt and 240 Volt Engine Block Heater
Oil Pan Heater
Oil Change System
High Capacity Alternator
Heavy Duty Air Cleaner [Model Specific]

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SED

PRODUCT INFORMATION

V-MAC IV FUNCTIONS:

4TH Generation Vehicle Management And Control System

V-MAC IV PRODUCTIVITY FEATURES:

- PTO [4] and Electronic Hand Throttle Control
- Engine "Smart fan Control"
- "Smart Idle" Speed Regulator
- GuardDog Routine Maintenance Monitoring

V-MAC IV DRIVER CONVENIENCE FEATURES:

- Full Featured Cruise Control
- Cruise and Brake Engine Brake Control
- Programmable Engine Governor
- Idle Cooldown
- Daytime Running Light [DRL] Override

V-MAC IV FUEL ECONOMY FEATURES:

- Vehicle Speed Limiting
- Engine "Sweet Spot Indicator"
- Fuel Economy Incentive Program
- Idle Shutdown

V-MAC IV RELIABILITY FEATURES:

- Engine Protection
- Starter Protection
- Differential Lock Auto Control

V-MAC IV SAFETY AND SECURITY FEATURES:

- Tamper Resistant Speed Sensor
- Theft Deterrence
- 5th Wheel Slide Unlock Vehicle Speed Limiting
- Air Suspension Deflated Vehicle Speed Limiting

V-MAC IV SERVICEABILITY FEATURES:

- SAE J1587 AND J1939 Diagnostic Port
- Electronic Fault Logging with Fault Reporter
- VCADS PC Based Service Software
- OBD II Style Diagnostic Connector
- DataMax Comprehensive On-Board Data Logger

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SED

PRODUCT INFORMATION

GEARING RECOMMENDATIONS:

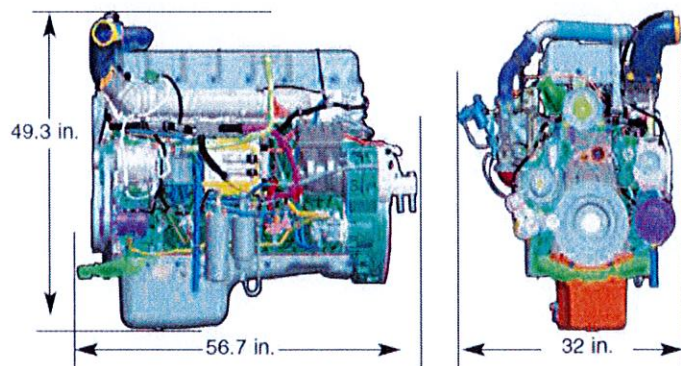
Proper Gearing is necessary to achieve optimum vehicle performance and fuel economy. Vehicle specifications, including engine, transmission, axle ratio, and tire selection should generally be selected to meet the following criteria:

Startability	Highway Applications	$\geq 10\%$
	On-Off Highway Applications	$\geq 16\%$
Gradeability	@ Cruise Max. MPH	$\geq 0.5\%$
	@ Peak Torque, Top Gear	$\geq 1.5\%$
Cruise RPM		1250-1350

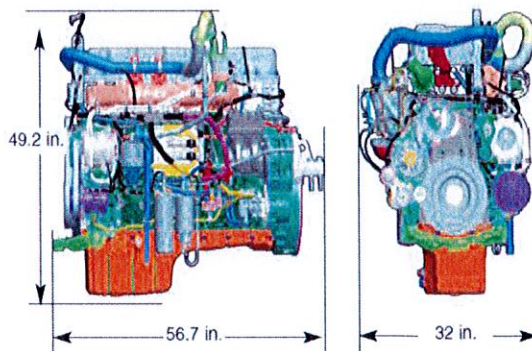
Refer to your current sales tool to obtain startability, gradeability and cruise RPM results for each unique vehicle specification. Special service applications, road surfaces, high Gross Combination Weights or other factors may require different gearing considerations.

DIMENSIONS:

Conventional Chassis



Low Cab Forward Chassis



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MACK

T-318LR MAXITORQUE[®] ES

EIGHTEEN SPEED TRANSMISSION

- Aluminum Case
- Triple Countershaft
- Reliable and Durable
- On/Off Highway Applications
- Versatile Power Take-Off Capabilities

The T-318LR is an excellent choice for high performance and heavy haul applications. For applications which require backing control, the LR model features a slow 28.98:1 reverse ratio. The average gear step of 18% allows maximum control under all conditions. A 23.13:1 overall ratio gives it the versatility to handle a wide variety of tasks on or on/off highway. The low forward ratio



is 16.42:1 and top gear is .71:1 overdrive for highway cruising. PTOs can be driven from both fixed and speed dependent mounts on all models.

FEATURES

• Gearing

All the T300 gearing uses a spur type design for maximum efficiency and minimum friction. Gear blanks are designed with the aid of computers to optimize the balance between weight and strength. Teeth are cut to a precise geometry to insure quiet, uniform rotating motion and then carburized to assure the intended loads can be carried without breaking or wearing. In top gears, dovetail clutch teeth maintain engagement under varying loads.

Top gear in all T300 transmissions is an overdrive. The overdrive allows required highway speeds to be met at the recommended engine speed with lower driveline torques. Because driveline torques are lower, lighter, less expensive shafts and slower, more durable rear axles carriers can be specified.

• Lubrication

Splash lubrication is standard for the T300. Gears and bearings receive lubrication from the lower countershaft dipping and spinning in oil. For extreme operating conditions or unusually high loads, a pump can be specified to assure lubricant flow to critical areas. Magnetic drain plugs are also standard.

• Case

The T300 case is a permanent mold, high strength, aluminum alloy casting. An SAE #1 bell housing is cast integral with the case to form a one-piece, light weight component with maximum rigidity and no misalignment. Within the case, iron bearing retainers support countershaft and mainshaft bearings to provide rigidity and fit integrity throughout the life of the transmission.

Because of the excellent heat transfer properties of aluminum, T300s naturally run cool and have less requirement for auxiliary transmission oil coolers. For those applications which do require additional cooling, oil-to-air and oil-to-water systems are available.

• Countershafts

The hallmark of the T300 is its triple countershaft design. Spreading the load over three shafts rather than just two lowers the stress on components and increases life. The layout of the three shafts gives the T300 a compact design and results in shorter transmission which improves driveline angularity.

The countershafts are forged alloy steel with both integral and pressed-on gears. Tapered roller bearings, which have the highest load carrying capacity in the smallest envelope, insure a smooth, long operating life.

• Improved Shift Quality

All of the T300 transmissions are based on an 'H' shift pattern and feature improvements to make the operation easier and more comfortable. The shift rail profile and springs have been redesigned to smooth transitions in and out of neutral with each up and down shift. Additionally, fine pitch sliding clutches permit quicker, smoother shifts as well as improved durability. Shift levers have also been revised for a tighter, more ergonomic shift pattern and isolated to reduce vibration.

Range shifts are executed after toggling a selector on the front of the shift knob and 'splits' via a thumb rocker switch.

• Power Take-Off Capabilities

As the leader in vocational applications, all the T300 transmissions offer as standard main case, speed dependent SAE 6 and 8 bolt PTO mounts on the right and left sides, respectively. Rear mounts on any of the three countershafts are also available.

Additionally, the T-318LR offers gear dependent 6 and 8 bolt mounts on the right and left side of the compound case respectively. An optional, neutralizing range air cylinder permits operation of these multi-speed PTOs while the vehicle is stationary.



T-318LR

MAXITORQUE[®]

TYPE	18 SPEED OVERDRIVE, TRIPLE COUNTERSHAFT
• LENGTH*	36.44" [925 mm]
• WEIGHT (DRY)	776 LB [352 kg]
• OIL CAPACITY	30 PINTS [14.20 l]
• TORQUE RATING	1860LB. FT. [2520 N•m]
• NUMBER OF SPEEDS	
FORWARD	EIGHTEEN
REVERSE	FOUR
OVERALL TRANSMISSION RANGE	23.13:1
• CASE, BELL HOUSING	
MATERIAL	ONE-PIECE HEAT-TREATED ALUMINUM
BELL HOUSING TYPE	SAE#1
• TYPE OF GEARS	SPUR
• CONTROL	SHIFT LEVER WITH AIR SHIFT RANGE SELECTOR
• LUBRICATION	SPLASH
• DRAIN PLUG	MAGNETIC
• POWER TAKE-OFF OPENINGS	
LEFT SIDE-STANDARD SAE 8 BOLT	70% OF ENGINE RPM
RIGHT SIDE-STANDARD SAE 6 BOLT	70% OF ENGINE RPM
REAR PTO DRIVE	70% OF ENGINE RPM

* From Bell Housing mounting flange to forward seating surface of companion flange or yoke.

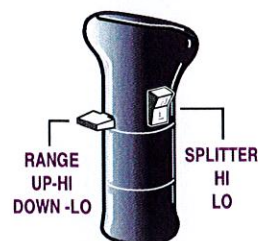
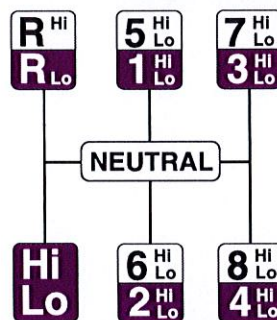
NOTE: Avoid specing the T-318LR for fast reverse applications, spec the T318L instead.

Power Take-Off Compound Case

Left Side — Standard SAE 8 Bolt
Right Side — Standard SAE 6 Bolt

SPEED, % OF ENGINE (RPM) (Gear Dependent Selection) T318LR	
Lo	-14.3%
1st	-26.7%
2nd	-37.4%
3rd	-51.9%
4th	-72.9%
Rev	8.1%

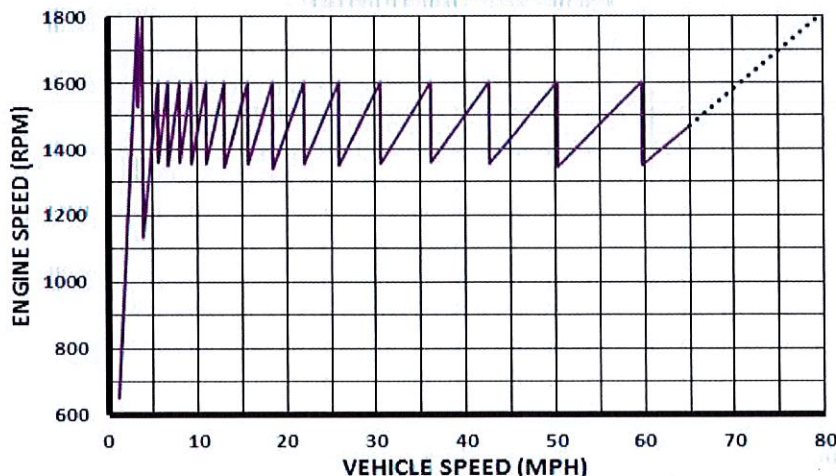
Shift Pattern and Shift Lever



Gear Ratios

GEAR	RANGE SELECTOR	SPLITTER SELECTOR	LEVER POSITION	RATIO	% STEP
1st	Lo	Lo	Lo	16.42	
2nd	Lo	Hi	Lo	13.93	18
3rd	Lo	Lo	1st	8.78	59
4th	Lo	Hi	1st	7.45	18
5th	Lo	Lo	2nd	6.28	19
6th	Lo	Hi	2nd	5.33	18
7th	Lo	Lo	3rd	4.52	18
8th	Lo	Hi	3rd	3.83	18
9th	Lo	Lo	4th	3.22	19
10th	Lo	Hi	4th	2.73	18
11th	Hi	Lo	5th	2.29	19
12th	Hi	Hi	5th	1.94	18
13th	Hi	Lo	6th	1.64	18
14th	Hi	Hi	6th	1.39	18
15th	Hi	Lo	7th	1.18	18
16th	Hi	Hi	7th	1.00	18
17th	Hi	Lo	8th	0.84	19
18th	Hi	Hi	8th	0.71	18
Rev 1	Lo	Lo	Rev	28.98	
Rev 2	Lo	Hi	Rev	24.58	
Rev 3	Hi	Lo	Rev	7.56	
Rev 4	Hi	Hi	Rev	6.41	

Transmission Shift Chart



T-318LR w/1800 RPM ENGINE, REAR RATIO 3.79 AND 11R22.5 TIRES (BASED ON 504 TIRE REVS PER MILE)

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A SALES ENGINEERING PUBLICATION

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TRA063A 136 1318 11/11/2018

Printed in U.S.A.

Product Information



DPF- ClearTech™ One US17 Emission Systems

Affects: All Models
Related: Chassis Configuration
Updated: November 13, 2017

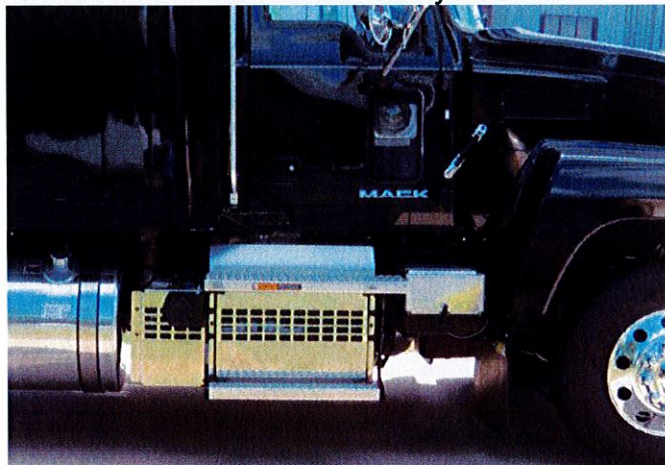
US'17 emission standards still require the use of a DPF and an SCR. ClearTech One™ is the name for Mack's new frame mounted single unit – Sales Code DPF0111. Other emission configurations have also been upgraded to US'17 standards and are depicted below.

DPF-0111 Shown on a Granite Axle Forward:



ClearTech One – DPF-0111 replaces the previous two component systems: DPF-0103, DPF-0104, and DPF-0105. On Granite Models with Mack engines, DPF-0111 will be in the forwardmost position behind the right front fender. If a Twin Steer package is ordered with the new frame mounted ClearTech One system, please refer to the Packaging Data Sheets for relocated position on the right hand frame rail.

Shown on a Pinnacle with Dual Battery Boxes:



Product Information

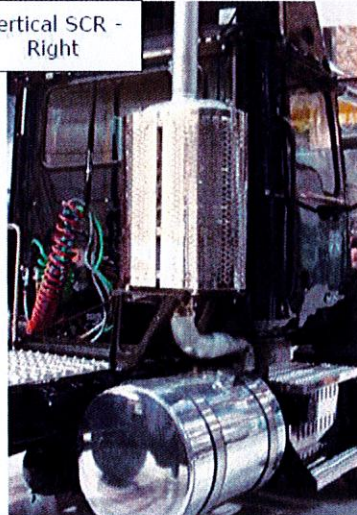


DPF- ClearTech™ One US17 Emission Systems

Affects: All Models
Related: Chassis Configuration
Updated: November 13, 2017

Other systems that are available on the models listed in the description:

Vertical SCR - Right



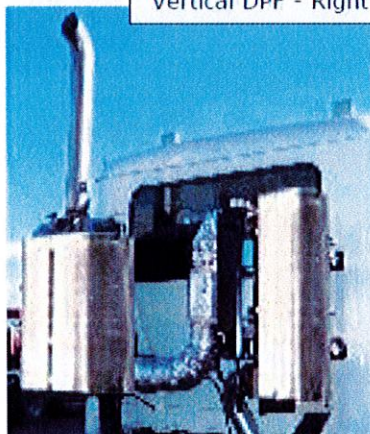
CLEARTECH HV – DPF0101
Available on Anthem and GRB
Twin Steer Mixers with 92" FA
Spacing

Vertical SCR – Right
Vertical DPF – Left



CLEARTECH VV – DPF0102
Standard on LR and TE Cab Over
Models

Vertical SCR – Left
Vertical DPF – Right



CLEARTECH VV – DPF0106
Twin Steer Conventional Mixers

Product Information



Co-Pilot

Affects: Anthem, Pinnacle, Granite
Related: Interior Trim (004)
Updated: May 30, 2017

DRIVER INFORMATION DISPLAY

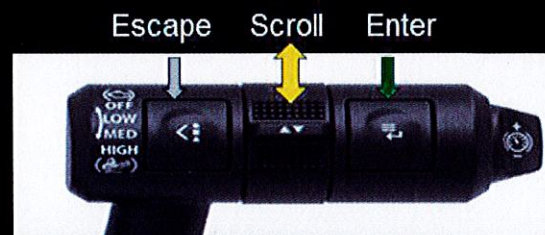
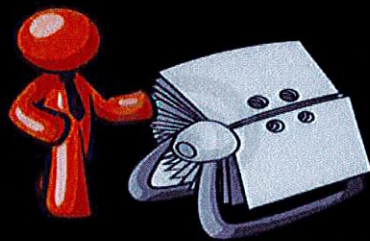
Copilot Display Control - Driver Information Display (DID)

Simple and intuitive

Meets FMCSA driver distraction guidelines

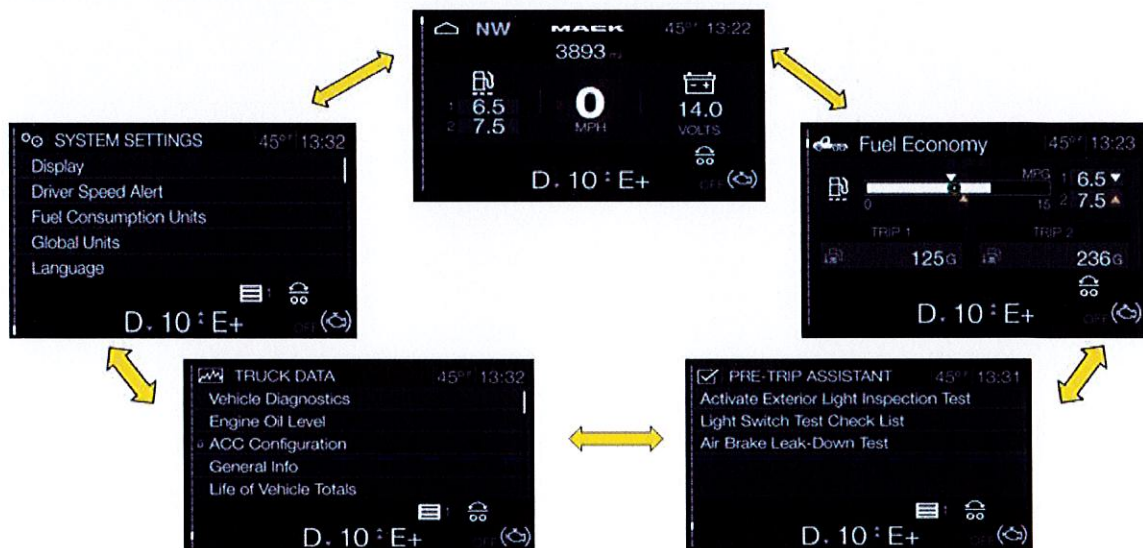
One keystroke access

360 deg. scroll switch works like a Rolodex



DID SCREEN NAVIGATION

Menu screen navigation is in a circular format



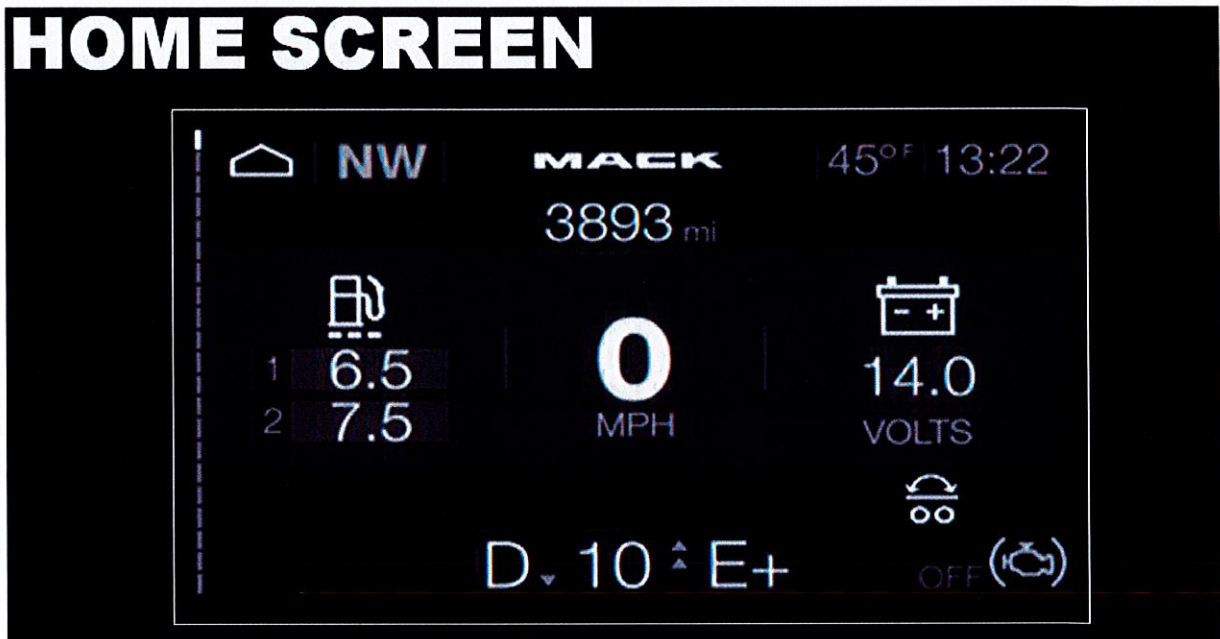
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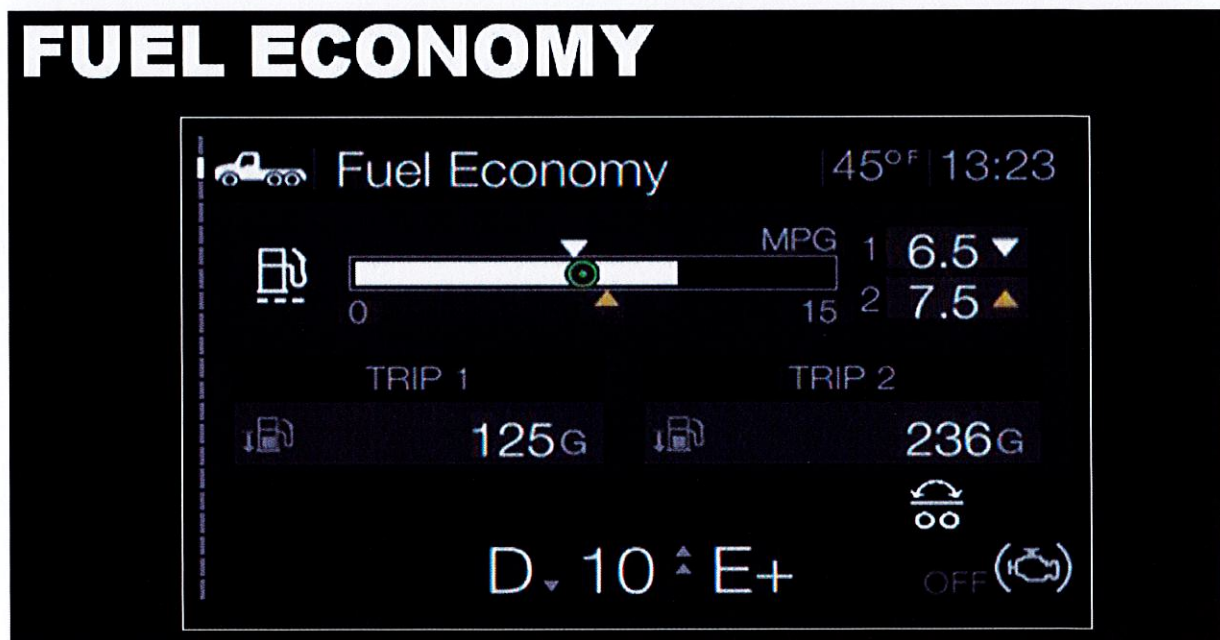
Co-Pilot

Affects: Anthem, Pinnacle, Granite
Related: Interior Trim (004)
Updated: May 30, 2017

HOME SCREEN



FUEL ECONOMY



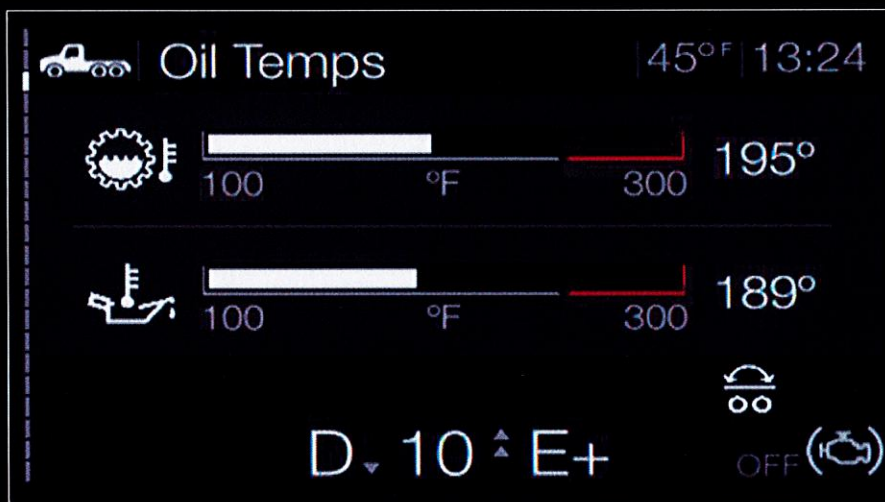
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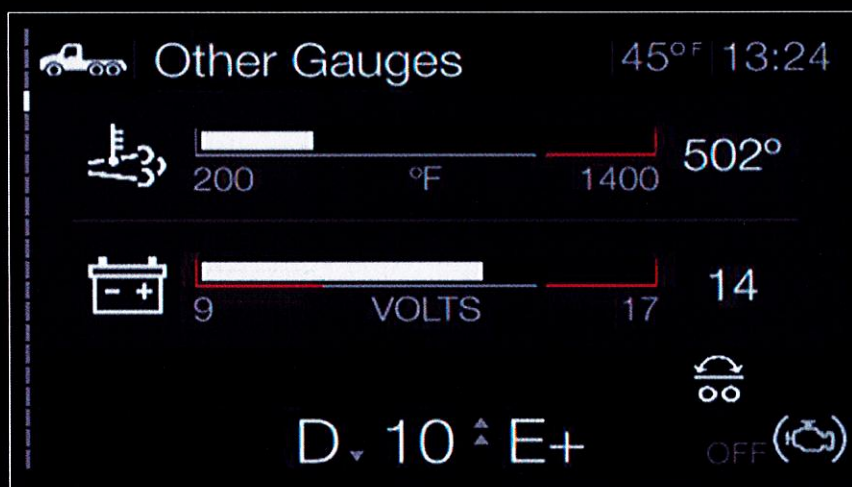
Co-Pilot

Affects: Anthem, Pinnacle, Granite
Related: Interior Trim (004)
Updated: May 30, 2017

OIL TEMPERATURES



EXHAUST PYROMETER, VOLTMETER



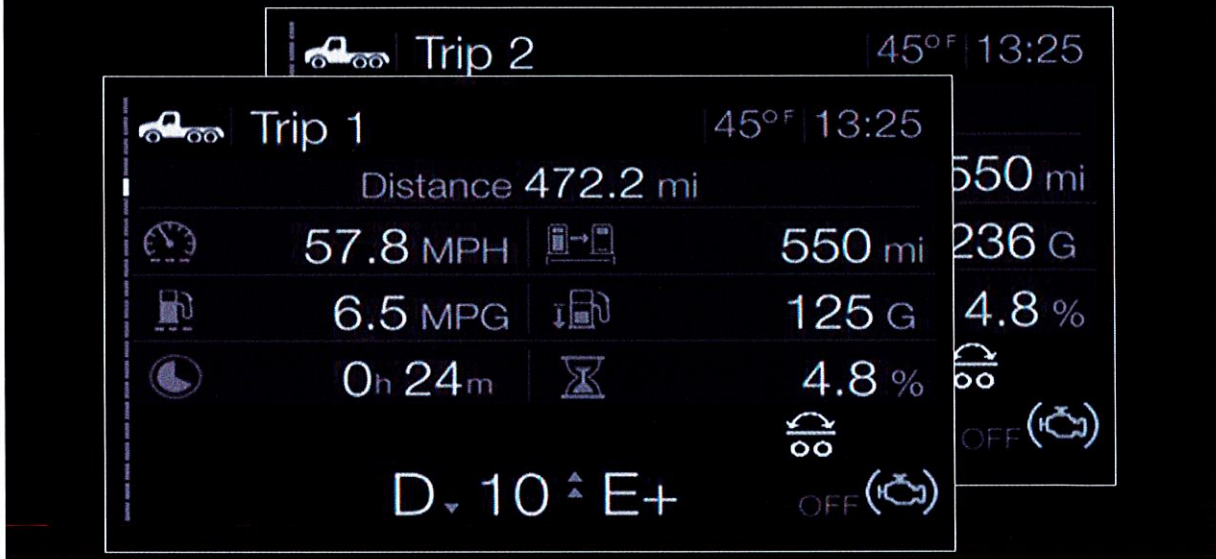
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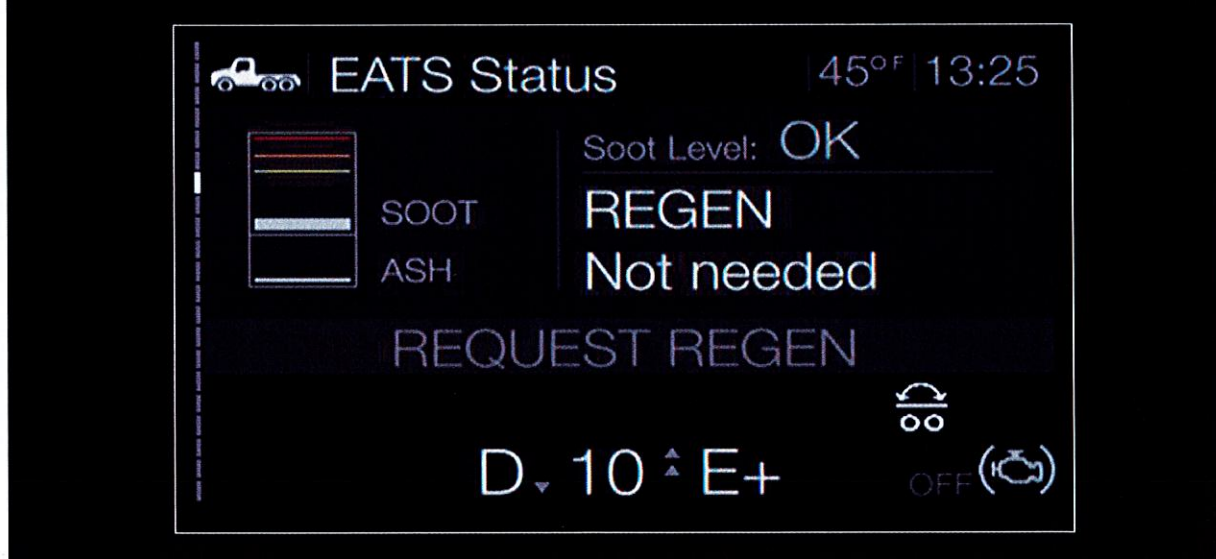
Co-Pilot

Affects: Anthem, Pinnacle, Granite
Related: Interior Trim (004)
Updated: May 30, 2017

TRIP ODOMETER 1 & 2



EATS STATUS (ENGINE AFTERTREATMENT SYSTEM)



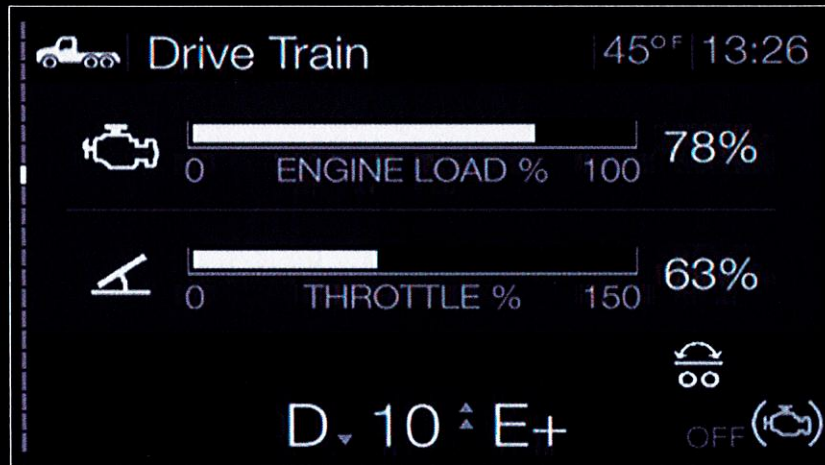
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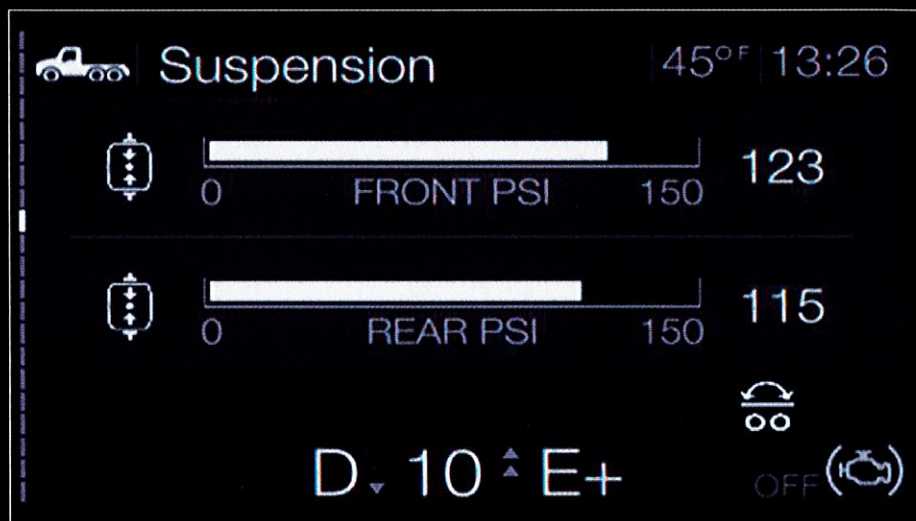
Co-Pilot

Affects: Anthem, Pinnacle, Granite
Related: Interior Trim (004)
Updated: May 30, 2017

DRIVE TRAIN LOAD, THROTTLE %



AIR SUSPENSION



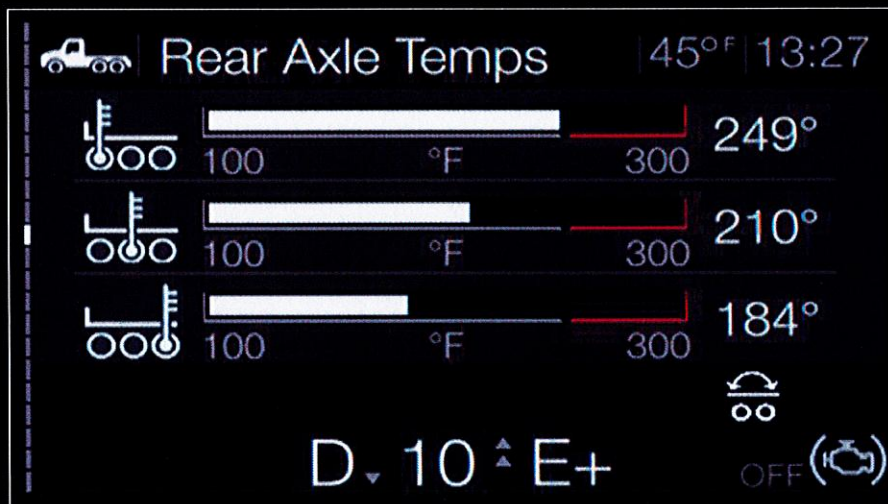
Product Information



Co-Pilot

Affects: Anthem, Pinnacle, Granite
Related: Interior Trim (004)
Updated: May 30, 2017

AXLE TEMPERATURES



FUEL INCENTIVE



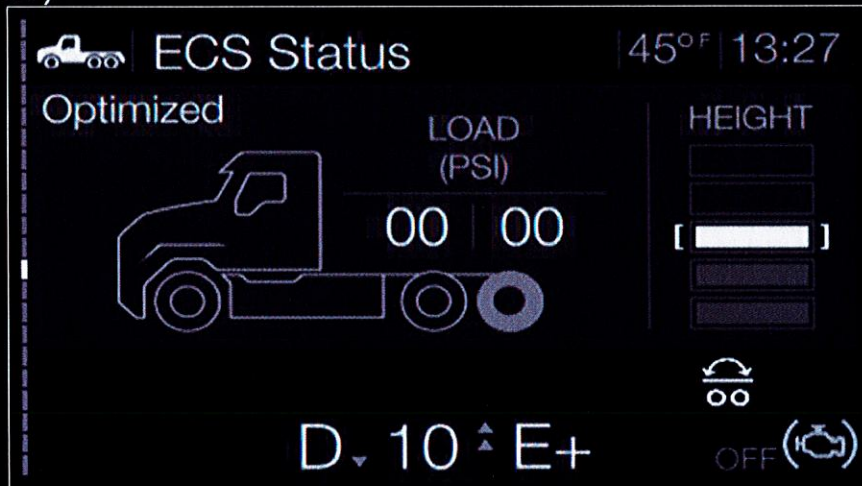
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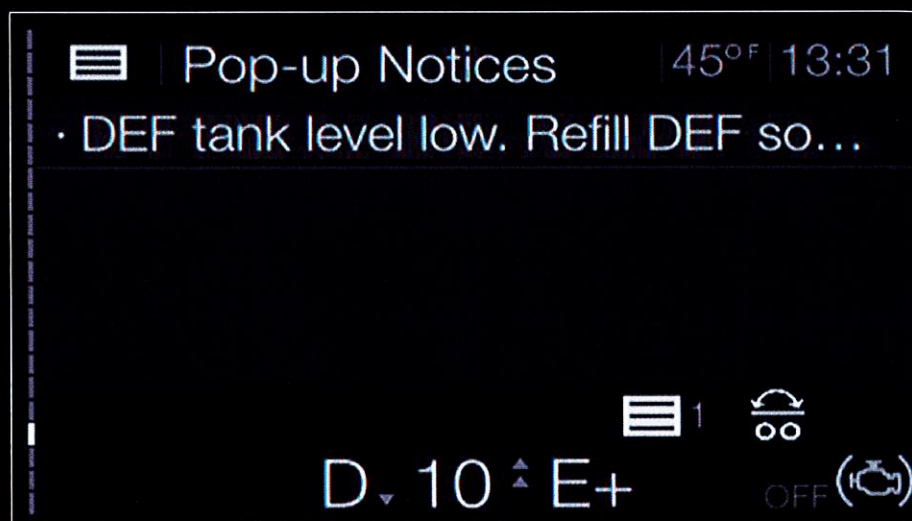
Co-Pilot

Affects: Anthem, Pinnacle, Granite
Related: Interior Trim (004)
Updated: May 30, 2017

ELECTRONIC CONTROLLED SUSPENSION (6X2 ONLY)



POP-UP NOTICES



Product Information



Co-Pilot

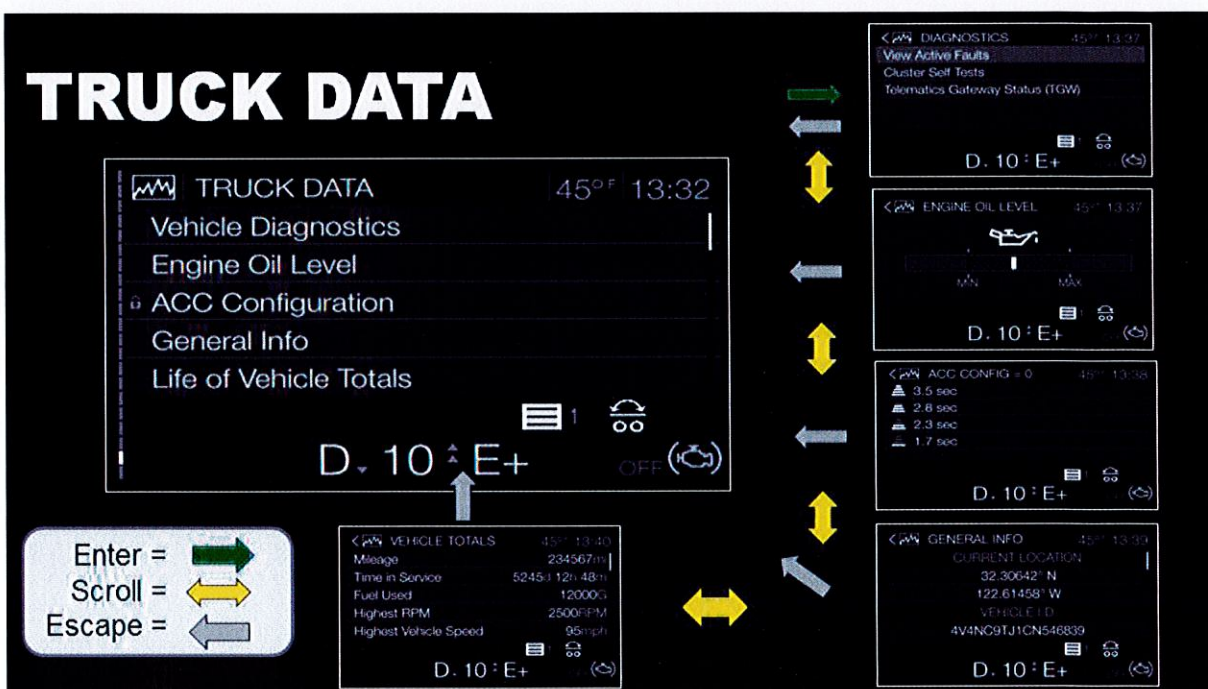
Affects: Anthem, Pinnacle, Granite
Related: Interior Trim (004)
Updated: May 30, 2017

TRUCK DATA



ONLY AVAILABLE WITH PARKING BRAKE APPLIED

TRUCK DATA



Product Information



Co-Pilot

Affects: Anthem, Pinnacle, Granite
Related: Interior Trim (004)
Updated: May 30, 2017

PRE-TRIP ASSISTANT

Enter =
Scroll =
Escape =

☒ PRE-TRIP ASSISTANT 45°F 13:31

Activate Exterior Light Inspection Test

Light Switch Test Check List

Air Brake Leak-Down Test

D. 10 E+ 1 OFF

☒ LIGHT INSPECTION 45°F 13:34

Exterior lights activated.
Exit cab and verify that all
lights are functioning.
Exit screen to end test.

D. 10 E+ 1

☒ SWITCH TEST 45°F 13:35

<input checked="" type="checkbox"/> Left Turn Signal	<input checked="" type="checkbox"/> Fog Light
<input type="checkbox"/> Right Turn Signal	<input type="checkbox"/> Head Lights - AUTO
<input type="checkbox"/> Service Brake	<input checked="" type="checkbox"/> High Beams
<input type="checkbox"/> Hazard Lights	<input type="checkbox"/> Flash-to-Pass
<input type="checkbox"/> Parking Lights	<input type="checkbox"/> Reverse Backup Lights
<input type="checkbox"/> Head Lights	<input checked="" type="checkbox"/> DRL Override Switch

Activate each switch listed above

D. 10 E+ 1

☒ LEAK-DOWN TEST 45°F 13:36

To begin test

Turn Engine Off

Start	--	--
End	--	--
Drop	--	--

START TEST 1

D. 10 E+ 1

PRE-TRIP ASSISTANT

☒ PRE-TRIP ASSISTANT 45°F 13:31

Activate Exterior Light Inspection Test

Light Switch Test Check List

Air Brake Leak-Down Test

D. 10 E+ 1 OFF

ONLY AVAILABLE WITH PARKING BRAKE APPLIED

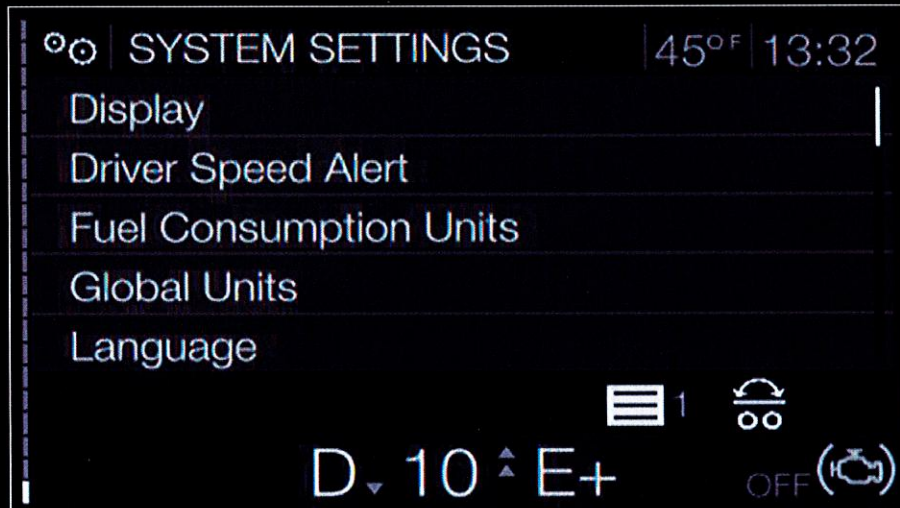
Product Information



Co-Pilot

Affects: Anthem, Pinnacle, Granite
Related: Interior Trim (004)
Updated: May 30, 2017

SYSTEM SETTINGS



ONLY AVAILABLE WITH PARKING BRAKE APPLIED

DFA-FULL: This feature will allow the driver to access fault codes through the Co-Pilot display.

DFA-LIM: This feature will not allow the driver to access fault codes through the Co-Pilot display.



SED

PRODUCT INFORMATION

Description: Frame Information

Models: Conventional – Highway & Vocational for 274-1027
9.5mm x 300mm

Date: May 11, 2016

Sales Engineering

Mack Trucks Inc.
2402 Lehigh Parkway South
Allentown, PA 18103

Phone: 800-868-6225

Fax: 610-351-8791

Email: sales.engineering@macktrucks.com

FRAME SPECIFICATIONS

Conventional - Highway

SALES CODE	FRAME SECTION (IN.)						REINFORCEMENT TYPE	ELEMENTS					RBM (LBS. IN.)	SECTION MODULUS (IN. ³)	AREA (IN. ²)	WEIGHT (LB./IN. OF LENGTH)	FRAME WIDTH TO OUTSIDE ELEMENT AT REAR AXLE (IN.)
	MAIN			REINFORCEMENT				NUMBER	TYPES								
	WEB	FLANGE	THICKNESS	WEB	FLANGE	THICKNESS			MAIN	INSIDE REINF.	1/4" OUTSIDE REINF.	3/8" OUTSIDE REINF.					
RBM, SECTION MODULUS, AREA, & WEIGHT INFORMATION ARE PER RAIL AND INCLUDE THE COMBINATION OF ALL PERTINENT ELEMENTS																	
274-1022	10.47" x 3.54" x 0.24"			NONE			—						1,390,000	11.6	3.93	1.10	33.39
274-1023	10.47" x 3.54" x 0.28"			NONE			—						1,600,000	13.3	4.57	1.27	33.46
274-1024	10.47" x 3.54" x 0.32"			NONE			—						1,810,000	15.0	5.19	1.44	33.54
274-1027	11.81" x 3.54" x 0.37"			NONE			—						2,470,000	20.6	6.62	1.84	33.66

Based on 120ksi yield strength material

FRAME SPECIFICATIONS

Conventional - Vocational

Conventional - Vocational							RBM, SECTION MODULUS, AREA, & WEIGHT INFORMATION ARE PER RAIL AND INCLUDE THE COMBINATION OF ALL PERTINENT ELEMENTS					
Sales Code	Main Rail/Frame Section (in)	Inside Reinforcement Liner Section (in)	Outside Reinforcement Section (in)	Main Rail	IC	OC	Section Modulus (in ³)	RBM* (lbs - in)	Area (in ²)	Weight (Lb/in of length)	Outside Frame Width at Rear Axle (in)	Inside Frame Width (in)
274-1025	11.81" x 3.54" x 0.28" †	n/a	n/a	X			15.7	1,880,000	4.94	1.38	33.46	32.91
274-1026	11.81" x 3.54" x 0.32"	w/o	n/a	X			17.7	2,120,000	5.62	1.56	33.54	32.91
		11.10" x 2.93" x 0.20"	n/a	X	X		26.9	3,230,000	8.74	2.45	33.54	32.52
274-1027	11.81" x 3.54" x 0.37"	w/o	w/o	X			20.6	2,470,000	6.62	1.84	33.66	32.91
		10.98" x 2.99" x 0.20"	w/o	X	X		29.8	3,580,000	9.73	2.73	33.66	32.52
		10.98" x 2.99" x 0.20"	12.56" x 3.86" x 0.32	X	X	X	47.4	5,688,000	15.75	4.41	34.29	32.52
274-1028	11.81" x 3.54" x 0.437"	w/o	n/a	X			23.5	2,820,000	6.62	2.12	33.39	32.52
		10.87" x 3.05" x 0.20"	n/a	X	X		32.7	3,920,000	10.77	3.01	33.39	32.13
274-1029	11.81" x 4.13" x 0.437"	w/o	n/a	X			28.3	3,160,000	8.12	2.27	33.39	32.52
		10.87" x 3.05" x 0.20"	n/a	X	X		35.5	4,260,000	11.28	3.16	33.39	32.13

* RBM based on 120ksi yield strength material

† Available on GU712 and GU812 models only

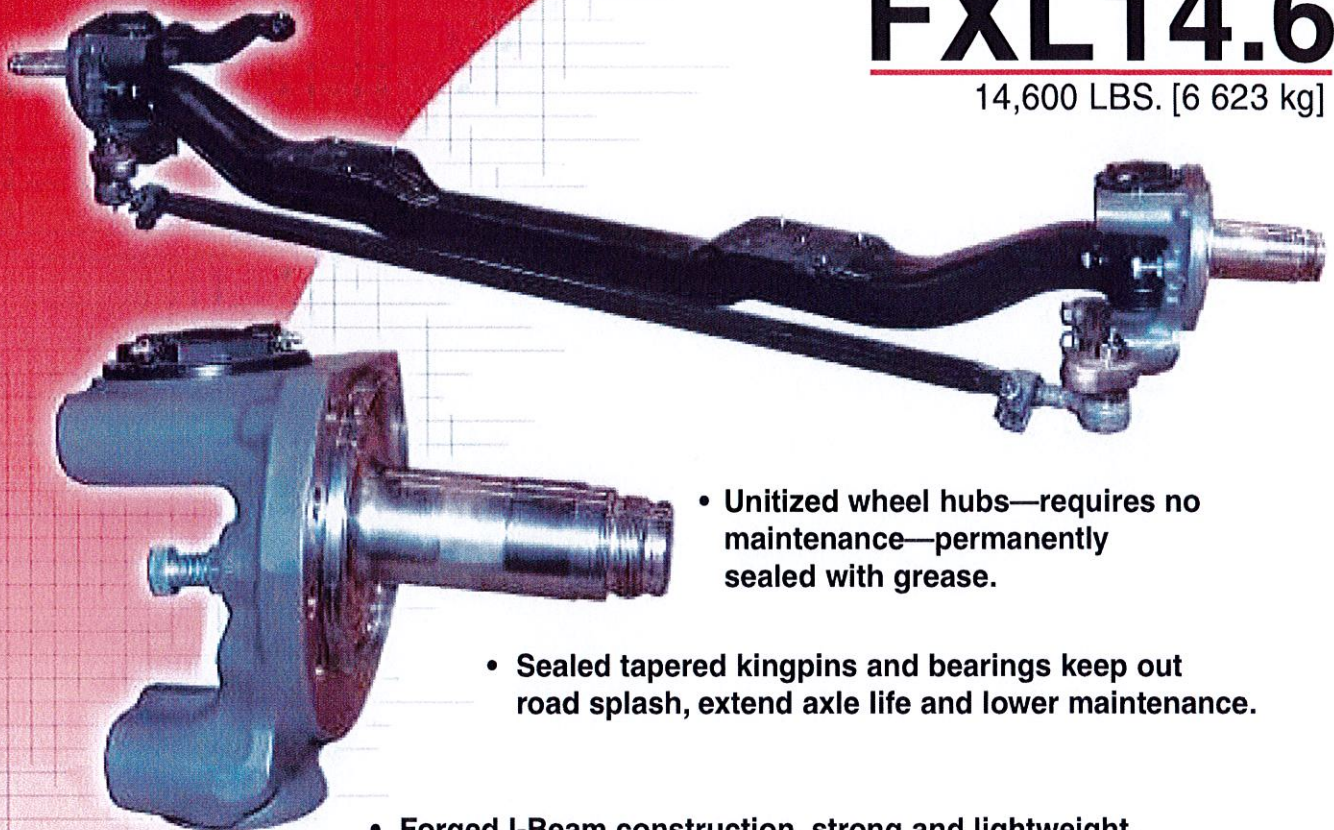
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FRONT AXLE

MAEK[®]

FXL14.6

14,600 LBS. [6 623 kg]



- Unitized wheel hubs—requires no maintenance—permanently sealed with grease.
- Sealed tapered kingpins and bearings keep out road splash, extend axle life and lower maintenance.
- Forged I-Beam construction, strong and lightweight.

DETAIL SPECIFICATIONS

MAKE: MACK

Type	Reverse Elliot, Drop-Forged & Heat Treated I-Beam
Size (Beam Center Height)	3.74" [95 mm]
Flange Width, Top	3.35" [85 mm]
Flange Width, Bottom	3.35" [85 mm]
Web Thickness	0.394" [10 mm]
Section Modulus	5.82" in ³ [95 cm ³]

STEERING KNUCKLE:

Material	Chromium Molybdenum Alloy Steel, Heat Treated
Spindle Diameter	
Inner Bearing	2.28" [58 mm]
Outer Bearing	2.28" [58 mm]
Steering Knuckle Pin:	
Material	Modified Carbon Steel, Heat Treated & Induction Hardened
Type	Tapered
Diameter	
Top	1.57" [40 mm]
Bottom	2.36" [60 mm]

STEERING KNUCKLE: (Continued)

Inclination	6°
Knuckle Pin Support	
Upper	Tapered Roller Bearing
Lower	Grooved Bushing
Thrust Bearing	
Type	Tapered Roller Bearing
Location	Top of Knuckle Pin Hub
Bearing	Ductile Iron
Bearing	Tapered Roller (Unitized)
Lubrication	Permanently lubed with Synthetic Grease
Pivot Centers:	
FXL14.6	69.92" [1 776 mm]
Spring Centers	33.5" [851 mm] MRU
	32.5" [826 mm] CHU, CXU, GU

NOTE: FXL used with wide base type tires will exceed 96" [2 438 mm] overall width.



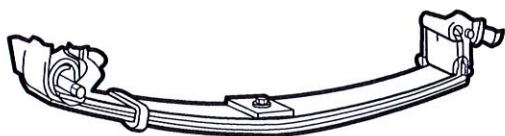
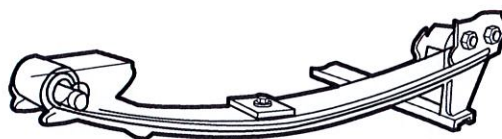
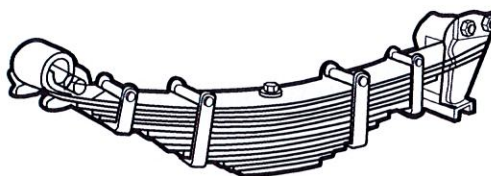
Mack Trucks, Inc., Allentown, Pennsylvania

BRAKES

TYPE		CAM
SIZE	DIAMETER WIDTH	16.5" [419 mm] 5" [127 mm]
MAKE		Arvin Meritor
ACTUATION		Air
LINING THICKNESS		0.85" [22 mm] Tapered
LINING AREA, TOTAL		157 in ² [2 026 cm ²]
CHAMBER SIZE— Sq. In. Per Wheel		1 @ 24 [155 cm ²]
SLACK ADJUSTER LENGTH		5.5" [140 mm]
BRAKE ADJUSTMENT		Self-Adjusting
DUST SHIELDS		Optional

SUSPENSION

SPRING CAPACITY (GRD. LOAD RATING)	SPRING SIZE	SPRING SIZE		CHASSIS MODEL APPLICATION
		LENGTH	WIDTH	
14,600 lb. [6 623 kg] STD.	Taperleaf - Shackle	52.52" [1 334 mm]	4" [102 mm]	CHU, GU
	Taperleaf - Shackle	58.85" [1 495 mm]	4" [102 mm]	CXU
	Multileaf - Shackle	52.52" [1 334 mm]	4" [102 mm]	GU
	Multileaf - Slipper	50.25" [1 276 mm]	3.5" [89 mm]	MRU

**TAPERLEAF SHACKLE****TAPERLEAF EYE & SLIPPER****MULTILEAF SHACKLE****MULTILEAF EYE & SLIPPER**



SED

PRODUCT INFORMATION

PID Code/Condition: 186-1508 / 186AB6

Description: Mack AL461 Rear Air Suspension

Models: ALL

Date: October 14, 2016

MACK AL461 AIR SUSPENSION

- Superior Driver Comfort
- Exceptional Handling
- On and off-road applications

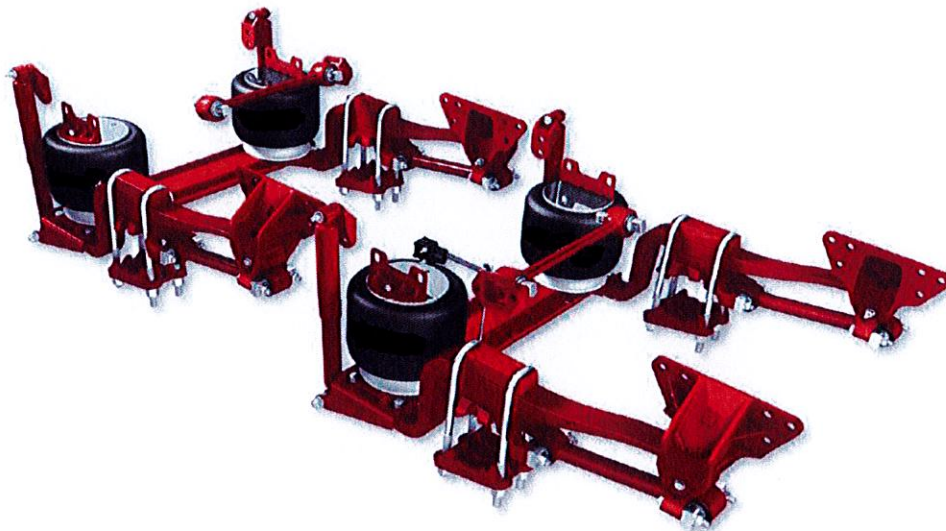
The 46,000 pound capacity AL461 air suspension is built to operate under off-highway conditions up to 25 percent of the time and is approved for use with one or more lift axles.

Sales Engineering

Mack Trucks, Inc.
Allentown, PA 18103
United States

Phone: 800 868 6225
Fax: 610 351 8791

MackTrucks.com



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SED

PRODUCT INFORMATION

Suspension Model	Suspension Capacity (lbs.)	GCW Approval (lbs.) ¹	GVW Approval (lbs.) ¹	Service: On/Off-Highway	Tractor	Truck	Suspension Weight (lbs.) ²	Site Rating (lbs.) ³
AL461	46,000	150,000	76,000	On/Off	Yes ⁴	Yes ⁴	937	50,000

Approved Applications

	AL461
General Freight (Van or Flatbed)	X
Refrigerated (No Swinging Meat)	X
Refrigerated (Swinging Meat)	X
Car Carrier	X
Chip Hauler	X
Concrete Pumper	X
Block Hauler	X
Wrecker	X
Dump	X
Logger	X
Oil Field	
Refuse (Transfer and Recycler)	X
Heavy Equipment Hauler	X
Mixer	X ⁷
Beverage	X
Doubles / Triples	X
Fire / Rescue	X

1. Contact Hendrickson or original equipment manufacturer for applications that may exceed GVW / GCW approval ratings.
2. Installed weight includes complete suspension, torque rods, axle and frame brackets and all hardware.
3. Operators using vehicles equipped with liftable push or tag axles must not exceed published ratings.
4. Not approved with trailer belly lift axles.
5. No add-on lift axles.
6. One more lift axles. Maximum 50,000-lb. load on suspension for site travel.
7. Not approved for straight truck applications.

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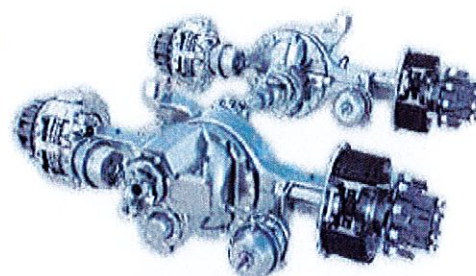
SED

PRODUCT INFORMATION

PID Code/Condition: **268-2021**
 Description: **Meritor RT46-164EH**
 Models: **ALL**
 Date: **August 10, 2015**

MERITOR TANDEM AXLES

For many applications, nothing less than a tandem axle will survive. And Meritor tandems not only survive, but thrive on the toughest, meanest, most demanding jobs. Year after year, Meritor tandems keep delivering the performance. And the goods. With legendary durability. Plus reduced maintenance and operating costs.



Sales Engineering

Mack Trucks, Inc.
 Allentown, PA 18103
 United States

Phone: 800 868 6225
 Fax: 610 351 8791

MackTrucks.com

14X EXCLUSIVE	Features/Options	Performance Benefits
	More robust Inter-Axle Differential (IAD)	20% larger than the competition's and with fewer parts; torque capacity up to 2050 lb. ft. in certain applications; improved pinion, differential and needle bearing design provides longer life and increased reliability
	2.64-7.17 vocation ratio range	Widest ratio range to match your application and specific engine manufacturer's recommendations
	DualTrac™ housing option	Effectively repositions the loading on wheel bearings similar to dual tire configurations when used with 0.0°-0.56° outset wheels
	High-torque gear design	Provides smoother and quieter operation, greater torque capacity and longer component life
	Rugged, single-piece carrier design	Supports precise gear alignment
	Meritor spindle design	Central Tire Inflation (CTI) system-ready
	Optional aluminum rear carrier and is available for RT-40-145A family only	Reduces weight to deliver additional payload capacity and greater fuel economy
	Broad range of gear ratios available	Enables end users to choose axles tailored to their needs, whether it be improved fuel economy, greater torque or maximum traction
	Lowest-maintenance tandem design available	Extends range up to 500,000 miles between lube changes
14X EXCLUSIVE	Anti-lock braking system (ABS) and Automatic Traction Control (ATC) options	Provides greater braking control, shorter stopping distances and improved traction for both starting and higher-speed driveability
	Optional Driver-Controlled Differential Lock (DCDL)	Provides maximum traction and spinout protection under slippery conditions

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SED

PRODUCT INFORMATION

Hypoid Single-Reduction Axle Specifications

RATINGS pounds (kg)	AXLE MODEL	GVW HIGHWAY pounds (kg)		STANDARD RATIOS	RING GEAR SIZE (PITCH DIAMETER) inches (mm)	AXLE SHAFT SPLINE SIZE inches (mm)	AXLE SHAFT DIAMETER inches (mm)	HOUSING BOX SIZE inches (mm)	WALL THICKNESS AT SPRING SEAT inches (mm)	WHEEL-END SERIES	APPLICATIONS
		Max. 3% Grade (Turnpike)	Max. 8% Grade (Paved)								
45,000 (20,884)	RT-45-160P	185,000 (83,900)	160,000 (72,640)	3.42, 3.58, 3.73, 3.91, 4.10, 4.30, 4.56, 4.89, 5.38, 5.63, 6.14, 6.43, 6.83, 7.17	18.0 (457.2)	2.35 (59.7) 46 teeth	2.25 (57.2)		0.50 (12.7), 0.63 (16.0) Wide Track Only Available as RT-45-164 Series		GS, HS, RS
	RT-46-164P								0.63 (16.0)		

Applications Key: GS – General Service • HS – Heavy Service • RS – Restricted Service

See Applications section for specific vehicle references. Refer to publication TP7824 for complete axle specification details.

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STANDARD ENGINE WARRANTY CERTIFICATE

(EPA 17 and Newer)



Mack Trucks warrants certain individual components of each new Mack MP®7, MP8 and MP10 EPA 17 and newer emission engine in a 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. See your local authorized Mack dealer for recommended maintenance and inspection procedures. All warranty periods are calculated from the date in service of the vehicle. All coverage is 100% for parts and labor subject to the qualifications, limitations and exclusions as noted.

LIMITATIONS AND EXCLUSIONS TO THIS WARRANTY APPEAR ON THE FOLLOWING PAGES OF THIS CERTIFICATE. THESE LIMITATIONS AND EXCLUSIONS ARE IMPORTANT AND MUST BE READ AND UNDERSTOOD.

This warranty applies to only new Mack MP®7, MP8, and MP10 engines meeting EPA 17 and newer emission requirements in new Mack trucks operated in the United States and Canada.

Standard Mack Engine Components Coverage: 24 months or 250,000 miles (402 336 km), whichever occurs first, unless otherwise noted.

Major Components Coverage: 60 months or 500,000 miles (804 672 km), whichever occurs first.

USE OF IMPROPER OR UNAPPROVED FUEL OR ENGINE OIL WILL VOID THE ENGINE AND AFTERTREATMENT SYSTEM (DIESEL PARTICULATE FILTER) WARRANTIES. EPA 17 EMISSION MACK ENGINES REQUIRE THE USE OF MACK SPECIFICATION EOS 4.5 HIGH PERFORMANCE DIESEL ENGINE OIL AND ULTRA LOW SULFUR DIESEL (ULSD) FUEL.

USE OF FLUIDS OTHER THAN API CERTIFIED DIESEL EXHAUST FLUID (DEF) WILL COMPROMISE AFTERTREATMENT SYSTEM PERFORMANCE, INCREASE EMISSIONS, AND MAY IMPACT THIS TRUCK'S PRODUCT WARRANTIES.

SEE FOLLOWING TABLE FOR SPECIFIC COVERAGES:

Covered Standard Components List: 24 Months or 250,000 miles (402 336 km)	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 <u>NOT</u> covered. Normal maintenance adjustments are <u>NOT</u> covered.
Connecting Rods, Caps, and Bolts	
Coolant Duct Cover	
Crankcase Ventilation Assembly	
Crankshaft	
Crankshaft Hub	
Cylinder Block	Includes: Casting, Main Caps, and Bolts
Cylinder Block Heater	
Cylinder Head	Includes: Assembly, Casting, Bolts, Plugs, and Sleeves
Diesel Particulate Filter Assembly (DPF) / Diesel Oxidation Catalyst (DOC) / Selective Catalytic Reduction (SCR)	Includes: Aftertreatment Hydrocarbon Injector (AHI), Aftertreatment Wiring Harness, Aftertreatment Control Module, Diffuser Pipe (AHI Mounting), Fuel Lines to AHI Injector, AHI Shutoff Valve, AHI Fuel Pressure Sensor, Pre-Catalyst Temperature Sensor, Post-Catalyst Temperature Sensor, Downstream DPF Temperature Sensor, Differential Pressure Sensor, Particulate Matter (PM) Sensor, SCR Assembly, DEF Pump Assembly (Pump Reverting Valve, Pump Pressure Sensor), DEF Injector, DEF Tank Heating Control Valve, and NOx (SCR Inlet and Outlet) Sensor
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.
Electrical EA Harness Supplied with Engine	From EECU to sensors and injectors and actuators
Engine Electronic Control Unit (EECU)	
Engine Brake Mechanism - PowerLeash™	Factory installed only. Includes: PowerLeash™ Control Valve and PowerLeash™ Rocker Arms. Turbo Compound (TC) engine: Closed Loop Butterfly (CLB)

Continued on Page 2...

Covered Standard Engine Components List: 24 Months or 250,000 miles (402 336 km)	Qualifications and Limitations
Exhaust Manifold	Includes: Casting, Joint Seals, Rings, and 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 and Common Rail Assembly (Electronic Fuel Pressure Regulator and Pressure Sensor)
Fuel Transfer Pump	
Gaskets, Seals, O Rings, and 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, and Rings
Pneumatic Control System	TC Engine: Air Valve Unit, Buffer Valve Unit, and Check Valve
Power Steering Pump	
Pre-Heater	Factory installed only. Includes: Preheat Relay, Terminals, and Power Cables
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 <u>NOT</u> covered. Normal maintenance adjustments are <u>NOT</u> covered.
Sensors (On Engine)	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, and Inlet Manifold Air (Temperature and Pressure)
Starter Motor	
Thermostat (Coolant)	Includes: Thermostat Side Cover
Timing Gear Cover and Plate	
Towing	Towing/Road Service on warrantable engine failures is covered to 24 months or 250,000 miles (402 336 km) whichever occurs first, and to a single tow per incident to the nearest authorized Mack service center. Charges in excess of \$1,000.00 are not covered unless Mack OneCall™ service is contacted and approves additional amounts prior to tow.
Turbocharger Assembly	Includes: VGT Actuator Module and Turbo Compound (TC) Assembly, if included
Valve Assembly	Includes: Guides, Keepers, Rotators, Seats, Springs, and Valves. Failures resulting from the valve adjustments not being maintained properly are <u>NOT</u> covered. Normal maintenance adjustments are <u>NOT</u> covered.
Valve Cover	
Valve Yokes (Bridge) and Pins	Failures resulting from the valve adjustments not being maintained properly are <u>NOT</u> covered. Normal maintenance adjustments are <u>NOT</u> covered.
Vibration Dampers and Bolts	
Water Pump Assembly	
Covered Major Engine Components List: 60 Months or 500,000 miles (804 672 km)	Qualifications and Limitations
Camshaft, Caps, and Bolts	Failures resulting from the valve & injector adjustments not being maintained properly are <u>NOT</u> covered. Normal maintenance adjustments are <u>NOT</u> covered.
Connecting Rods, Caps, and Bolts	
Crankshaft Forging	
Cylinder Block Casting, Main Caps, and Bolts	
Cylinder Head Casting and Bolts	
Exhaust Manifold Casting	
Flywheel Housing	
Gears	All internally lubricated gears only (Timing and Idler Gears)
Intake Manifold Housing	
Ladder Frame	
Thermostat Housing	
Timing Gear Cover and Mounting Plate	

Continued on Page 3...

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 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, 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 by 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:** 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, 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 PARTS.

MACK

Mack Trucks, Inc.
Post Office Box 26259
7825 National Service Road
Greensboro, North Carolina 27409

STANDARD TRUCK WARRANTY CERTIFICATE



Mack Trucks warrants certain individual components of the new Mack truck to be free from defects in material and workmanship under normal use and service up to the periods as specified, provided all Mack Trucks' maintenance and inspection requirements are followed. See your local authorized Mack dealer for recommended maintenance and inspection procedures. All warranty periods are calculated from date in service of the vehicle. All coverage is 100% for parts and labor subject to the qualifications, limitations, and exclusions as noted.

**LIMITATIONS AND EXCLUSIONS TO THIS WARRANTY APPEAR ON THE REVERSE SIDE OF THIS CERTIFICATE.
THESE LIMITATIONS AND EXCLUSIONS ARE IMPORTANT AND MUST BE READ AND UNDERSTOOD.**

This warranty applies to **Model Year 2017/2018 trucks**, manufactured by Mack Trucks, operated in the United States and Canada with **EPA 17 engines**. Specific coverage is based on the application and weight class as described in the following chart:

	Standard NORMAL DUTY Line / Long Haul, Short Haul, or Pickup & Delivery	Standard HEAVY DUTY Heavy Line Haul, Construction, Refuse, Fire or Rescue Service	Standard SEVERE DUTY Heavy Construction, Heavy Refuse, Off-Road, Heavy Haul, Mining, Logging, or Oil Field
Typical Vocations			
Weight Class Qualifications	Vehicle must have GVWR ≤ 63,000 lbs. (≤ 28 metric tons) or GCWR ≤ 110,000 lbs. (≤ 50 mt.)	Vehicle must have GVWR ≤ 80,000 lbs. (≤ 36 mt.) or GCWR ≤ 143,000 lbs. (≤ 65 mt.)	Vehicle must have GAWR > 52,000 lbs. (> 23.5 mt.) or GVWR > 80,000 lbs. (> 36 mt.) or GCWR > 143,000 lbs. (> 65 mt.)
Basic Coverage *	12 months or 100,000 miles (160 934 km)	12 months or 100,000 miles (160 934 km)	12 months or 100,000 miles (160 934 km)
Chassis Towing	Towing/Road Service coverage is limited to 90 days or 5,000 miles (8047 km), whichever occurs first, and to a single tow per incident to the nearest authorized Mack Trucks service center. Charges in excess of \$1,000.00 are not covered unless Mack OneCall™ service is contacted and approves additional amounts prior to tow.		Not Applicable
Air Conditioning	Air conditioning (sealed system only) is covered for 12 months with no mileage limitation.		
Engine / Emission	Not covered under this warranty certificate. See respective engine manufacturer's warranty certificate. See paragraph 19 on reverse side.		
Transmission, Driveline, Rear Axle, Front Non-Drive Steer Axle	36 months or 350,000 miles (563 270 km) Covered Components are as follows: • Manual Transmission – Transmission assembly • Rear Axle – Differential carrier assembly & axle housing • Front Non-Drive Steer Axle – Axle beam, steering knuckle, & tie rod • Driveline – Bearings, hangers & shafts		12 months or 100,000 miles (160 934 km)
	Allison Automatic Transmissions are not covered under this warranty certificate. See paragraph 19 on reverse side.		
Chassis Carrier & Axle Housing	60 months or 500,000 miles (804 672 km)	36 months or 300,000 miles (482 803 km)	12 months or 100,000 miles (160 934 km)
Mack T300 Transmission	60 months or 750,000 miles (1 207 008 km)	36 months or 400,000 miles (643 738 km)	12 months or 100,000 miles (160 934 km)
mDRIVE™ Transmission	60 months or 750,000 miles (1 207 008 km) mDRIVE™ and mDRIVE™ HD	mDRIVE™: 36 months or 250,000 miles (402 336 km); mDRIVE™ HD: 36 months with no mileage limitation	12 months or 100,000 miles (160 934 km); mDRIVE™ HD: 24 months with no mileage limitation
mDRIVE™ Clutch	36 months or 300,000 miles (482 803 km) mDRIVE™ and mDRIVE™ HD	36 months or 250,000 miles (402 336 km) mDRIVE™ and mDRIVE™ HD	mDRIVE™: 12 months or 100,000 miles (160 934 km); mDRIVE™ HD: 24 months or 250,000 miles (402 336 km)
mDRIVE™ & T300 Towing	Towing/Road Service on warrantable transmission failures is covered to 24 months or 250,000 miles (402 336 km) whichever occurs first, and to a single tow per incident to the nearest authorized Mack Trucks service center. Charges in excess of \$1,000.00 are not covered unless Mack OneCall™ service is contacted and approves additional amounts prior to tow.		Not Applicable
Trunnion Bracket	36 months or 300,000 miles (482 803 km) Limited to Trunnion Bracket & Spindle, Suspension Trunnion (Except Bushings)		12 months or 100,000 miles (160 934 km) (same restrictions as Normal & Heavy)
Cab Structure	60 months or 500,000 miles (804 672 km)	24 months or 200,000 miles (321 869 km)	12 months or 100,000 miles (160 934 km)
Internal Cab Corrosion	60 months or 500,000 miles (804 672 km)	60 months or 500,000 miles (804 672 km)	60 months or 500,000 miles (804 672 km)
	Covered only where metal is perforated from the inside to the outside. See paragraph 18 on the reverse side.		
Frame Rail / Crossmembers	60 months or 500,000 miles (804 672 km) AN/CXU/PI/CHU Models Only: 72 months or 750,000 miles (1 207 008 km)	36 months or 300,000 miles (482 803 km) GR/GU Model only: 60 months or 500,000 miles (804 672 km)	12 months or 100,000 miles (160 934 km)
Noise Emission	LIFE OF VEHICLE: Mack Trucks warrants to the first purchaser of this vehicle for purposes other than resale, and to each subsequent purchaser, that this vehicle was designed, built and equipped to conform, at the time of sale to such first purchaser, with all applicable U.S. EPA noise control regulations. This warranty is not limited to any vehicle particular part, component, or system of the vehicle. Defects in the design, assembly, or any part, component or system of the vehicle, which at the time of sale to such first purchaser, caused noise emission levels to exceed Federal standards, are covered by this warranty for the life of the vehicle. EXCLUSIONS: Failures which arise as a result of tampering rather than from defects in the design, assembly, or any part, components, or system of the vehicle are not covered by this warranty.		

*Covered for 30 Days: Fluorescent Lights or Ballast, Light Bulbs, Fuses, Wiper Blades, and All Filters (oil, fuel, air, etc.).

Covered for 90 Days: Loose Fasteners, Leaking Fittings, or Loose Hose Clamps.

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 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, 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:** 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, 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 PARTS.

MACK

Mack Trucks, Inc.
Post Office Box 26259
7825 National Service Road
Greensboro, North Carolina 27409

ACCOUNT NO:
106770-BUSJ1

JEFFERSON COUNTY

LICENSE NO:
00063693

LICENSE YEAR
2019-2020

Expires: September 30, 2020

Issued Date: September 10, 2019

ISSUED TO:
NEXTRAN CORPORATION
PO BOX 820
FULTONDALE, AL 35068-0820

LOCATION:
NEXTRAN TRUCK CENTER
1801 FULTON ROAD
FULTONDALE, AL 35068

THE ENTITY INDICATED ABOVE, HAVING PAID THE REQUIRED LICENSE TAX TO THE DIRECTOR OF REVENUE OF JEFFERSON COUNTY, IS HEREBY ISSUED THIS LICENSE, UNDER JEFFERSON COUNTY ORDINANCE NO. 1801:

Schedule	Class of License
JCBL	Jefferson County Bus Lic

Licenses paid by check are void if check not honored upon first presentation to the bank.

DATE	TRANSFER OF LICENSE	
EVIDENCE HAVING BEEN PRESENTED TO ME THAT A BONA FIDE SALE OF THE BUSINESS LICENSED BY THIS CERTIFICATE HAS BEEN MADE. THIS LICENSE IS TRANSFERRED FOR THE UNEXPIRED PERIOD TO:		
Purchaser		
Director of Revenue		Travis A. Hulsey, Director

RENEW LICENSE
OCTOBER 1st THROUGH OCTOBER 31st

**THE E-VERIFY
MEMORANDUM OF UNDERSTANDING
FOR EMPLOYERS**

**ARTICLE I
PURPOSE AND AUTHORITY**

The parties to this agreement are the Department of Homeland Security (DHS) and the Nextran Corporation (Employer). The purpose of this agreement is to set forth terms and conditions which the Employer will follow while participating in E-Verify.

E-Verify is a program that electronically confirms an employee's eligibility to work in the United States after completion of Form I-9, Employment Eligibility Verification (Form I-9). This Memorandum of Understanding (MOU) explains certain features of the E-Verify program and describes specific responsibilities of the Employer, the Social Security Administration (SSA), and DHS.

Authority for the E-Verify program is found in Title IV, Subtitle A, of the Illegal Immigration Reform and Immigrant Responsibility Act of 1996 (IIRIRA), Pub. L. 104-208, 110 Stat. 3009, as amended (8 U.S.C. § 1324a note). The Federal Acquisition Regulation (FAR) Subpart 22.18, "Employment Eligibility Verification" and Executive Order 12989, as amended, provide authority for Federal contractors and subcontractors (Federal contractor) to use E-Verify to verify the employment eligibility of certain employees working on Federal contracts.

**ARTICLE II
RESPONSIBILITIES**

A. RESPONSIBILITIES OF THE EMPLOYER

1. The Employer agrees to display the following notices supplied by DHS in a prominent place that is clearly visible to prospective employees and all employees who are to be verified through the system:
 - a. Notice of E-Verify Participation
 - b. Notice of Right to Work
2. The Employer agrees to provide to the SSA and DHS the names, titles, addresses, and telephone numbers of the Employer representatives to be contacted about E-Verify. The Employer also agrees to keep such information current by providing updated information to SSA and DHS whenever the representatives' contact information changes.
3. The Employer agrees to grant E-Verify access only to current employees who need E-Verify access. Employers must promptly terminate an employee's E-Verify access if the employer is separated from the company or no longer needs access to E-Verify.

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4. The Employer agrees to become familiar with and comply with the most recent version of the E-Verify User Manual.

5. The Employer agrees that any Employer Representative who will create E-Verify cases will complete the E-Verify Tutorial before that individual creates any cases.

a. The Employer agrees that all Employer representatives will take the refresher tutorials when prompted by E-Verify in order to continue using E-Verify. Failure to complete a refresher tutorial will prevent the Employer Representative from continued use of E-Verify.

6. The Employer agrees to comply with current Form I-9 procedures, with two exceptions:

a. If an employee presents a "List B" identity document, the Employer agrees to only accept "List B" documents that contain a photo. (List B documents identified in 8 C.F.R. § 274a.2(b)(1)(B)) can be presented during the Form I-9 process to establish identity.) If an employee objects to the photo requirement for religious reasons, the Employer should contact E-Verify at 888-464-4218.

b. If an employee presents a DHS Form I-551 (Permanent Resident Card), Form I-766 (Employment Authorization Document), or U.S. Passport or Passport Card to complete Form I-9, the Employer agrees to make a photocopy of the document and to retain the photocopy with the employee's Form I-9. The Employer will use the photocopy to verify the photo and to assist DHS with its review of photo mismatches that employees contest. DHS may in the future designate other documents that activate the photo screening tool.

Note: Subject only to the exceptions noted previously in this paragraph, employees still retain the right to present any List A, or List B and List C, document(s) to complete the Form I-9.

7. The Employer agrees to record the case verification number on the employee's Form I-9 or to print the screen containing the case verification number and attach it to the employee's Form I-9.

8. The Employer agrees that, although it participates in E-Verify, the Employer has a responsibility to complete, retain, and make available for inspection Forms I-9 that relate to its employees, or from other requirements of applicable regulations or laws, including the obligation to comply with the antidiscrimination requirements of section 274B of the INA with respect to Form I-9 procedures.

a. The following modified requirements are the only exceptions to an Employer's obligation to not employ unauthorized workers and comply with the anti-discrimination provision of the INA: (1) List B identity documents must have photos, as described in paragraph 6 above; (2) When an Employer confirms the identity and employment eligibility of newly hired employee using E-Verify procedures, the Employer establishes a rebuttable presumption that it has not violated section 274A(a)(1)(A) of the Immigration and Nationality Act (INA) with respect to the hiring of that employee; (3) If the Employer receives a final nonconfirmation for an employee, but continues to employ that person, the Employer must notify DHS and the Employer is subject to a civil money penalty between \$550 and \$1,100 for each failure to notify DHS of continued employment following a final nonconfirmation; (4) If the Employer continues to employ an employee after receiving a final nonconfirmation, then the Employer is subject to a rebuttable presumption that it has knowingly

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employed an unauthorized alien in violation of section 274A(a)(1)(A); and (5) no E-Verify participant is civilly or criminally liable under any law for any action taken in good faith based on information provided through the E-Verify.

b. DHS reserves the right to conduct Form I-9 compliance inspections, as well as any other enforcement or compliance activity authorized by law, including site visits, to ensure proper use of E-Verify.

9. The Employer is strictly prohibited from creating an E-Verify case before the employee has been hired, meaning that a firm offer of employment was extended and accepted and Form I-9 was completed. The Employer agrees to create an E-Verify case for new employees within three Employer business days after each employee has been hired (after both Sections 1 and 2 of Form I-9 have been completed), and to complete as many steps of the E-Verify process as are necessary according to the E-Verify User Manual. If E-Verify is temporarily unavailable, the three-day time period will be extended until it is again operational in order to accommodate the Employer's attempting, in good faith, to make inquiries during the period of unavailability.

10. The Employer agrees not to use E-Verify for pre-employment screening of job applicants, in support of any unlawful employment practice, or for any other use that this MOU or the E-Verify User Manual does not authorize.

11. The Employer must use E-Verify for all new employees. The Employer will not verify selectively and will not verify employees hired before the effective date of this MOU. Employers who are Federal contractors may qualify for exceptions to this requirement as described in Article II.B of this MOU.

12. The Employer agrees to follow appropriate procedures (see Article III below) regarding tentative nonconfirmations. The Employer must promptly notify employees in private of the finding and provide them with the notice and letter containing information specific to the employee's E-Verify case. The Employer agrees to provide both the English and the translated notice and letter for employees with limited English proficiency to employees. The Employer agrees to provide written referral instructions to employees and instruct affected employees to bring the English copy of the letter to the SSA. The Employer must allow employees to contest the finding, and not take adverse action against employees if they choose to contest the finding, while their case is still pending. Further, when employees contest a tentative nonconfirmation based upon a photo mismatch, the Employer must take additional steps (see Article III.B. below) to contact DHS with information necessary to resolve the challenge.

13. The Employer agrees not to take any adverse action against an employee based upon the employee's perceived employment eligibility status while SSA or DHS is processing the verification request unless the Employer obtains knowledge (as defined in 8 C.F.R. § 274a.1(l)) that the employee is not work authorized. The Employer understands that an initial inability of the SSA or DHS automated verification system to verify work authorization, a tentative nonconfirmation, a case in continuance (indicating the need for additional time for the government to resolve a case), or the finding of a photo mismatch, does not establish, and should not be interpreted as, evidence that the employee is not work authorized. In any of such cases, the employee must be provided a full and fair opportunity to contest the finding, and if he or she does so, the employee may not be terminated or suffer any adverse employment consequences based upon the employee's perceived employment eligibility status

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(including denying, reducing, or extending work hours, delaying or preventing training, requiring an employee to work in poorer conditions, withholding pay, refusing to assign the employee to a Federal contract or other assignment, or otherwise assuming that he or she is unauthorized to work) until and unless secondary verification by SSA or DHS has been completed and a final nonconfirmation has been issued. If the employee does not choose to contest a tentative nonconfirmation or a photo mismatch or if a secondary verification is completed and a final nonconfirmation is issued, then the Employer can find the employee is not work authorized and terminate the employee's employment. Employers or employees with questions about a final nonconfirmation may call E-Verify at 1-888-464-4218 (customer service) or 1-888-897-7781 (worker hotline).

14. The Employer agrees to comply with Title VII of the Civil Rights Act of 1964 and section 274B of the INA as applicable by not discriminating unlawfully against any individual in hiring, firing, employment eligibility verification, or recruitment or referral practices because of his or her national origin or citizenship status, or by committing discriminatory documentary practices. The Employer understands that such illegal practices can include selective verification or use of E-Verify except as provided in part D below, or discharging or refusing to hire employees because they appear or sound "foreign" or have received tentative nonconfirmations. The Employer further understands that any violation of the immigration-related unfair employment practices provisions in section 274B of the INA could subject the Employer to civil penalties, back pay awards, and other sanctions, and violations of Title VII could subject the Employer to back pay awards, compensatory and punitive damages. Violations of either section 274B of the INA or Title VII may also lead to the termination of its participation in E-Verify. If the Employer has any questions relating to the anti-discrimination provision, it should contact OSC at 1-800-255-8155 or 1-800-237-2515 (TDD).

15. The Employer agrees that it will use the information it receives from E-Verify only to confirm the employment eligibility of employees as authorized by this MOU. The Employer agrees that it will safeguard this information, and means of access to it (such as PINS and passwords), to ensure that it is not used for any other purpose and as necessary to protect its confidentiality, including ensuring that it is not disseminated to any person other than employees of the Employer who are authorized to perform the Employer's responsibilities under this MOU, except for such dissemination as may be authorized in advance by SSA or DHS for legitimate purposes.

16. The Employer agrees to notify DHS immediately in the event of a breach of personal information. Breaches are defined as loss of control or unauthorized access to E-Verify personal data. All suspected or confirmed breaches should be reported by calling 1-888-464-4218 or via email at E-Verify@dhs.gov. Please use "Privacy Incident – Password" in the subject line of your email when sending a breach report to E-Verify.

17. The Employer acknowledges that the information it receives from SSA is governed by the Privacy Act (5 U.S.C. § 552a(i)(1) and (3)) and the Social Security Act (42 U.S.C. 1306(a)). Any person who obtains this information under false pretenses or uses it for any purpose other than as provided for in this MOU may be subject to criminal penalties.

18. The Employer agrees to cooperate with DHS and SSA in their compliance monitoring and evaluation of E-Verify, which includes permitting DHS, SSA, their contractors and other agents, upon

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reasonable notice, to review Forms I-9 and other employment records and to interview it and its employees regarding the Employer's use of E-Verify, and to respond in a prompt and accurate manner to DHS requests for information relating to their participation in E-Verify.

19. The Employer shall not make any false or unauthorized claims or references about its participation in E-Verify on its website, in advertising materials, or other media. The Employer shall not describe its services as federally-approved, federally-certified, or federally-recognized, or use language with a similar intent on its website or other materials provided to the public. Entering into this MOU does not mean that E-Verify endorses or authorizes your E-Verify services and any claim to that effect is false.

20. The Employer shall not state in its website or other public documents that any language used therein has been provided or approved by DHS, USCIS or the Verification Division, without first obtaining the prior written consent of DHS.

21. The Employer agrees that E-Verify trademarks and logos may be used only under license by DHS/USCIS (see [M-795 \(Web\)](#)) and, other than pursuant to the specific terms of such license, may not be used in any manner that might imply that the Employer's services, products, websites, or publications are sponsored by, endorsed by, licensed by, or affiliated with DHS, USCIS, or E-Verify.

22. The Employer understands that if it uses E-Verify procedures for any purpose other than as authorized by this MOU, the Employer may be subject to appropriate legal action and termination of its participation in E-Verify according to this MOU.

B. RESPONSIBILITIES OF FEDERAL CONTRACTORS

1. If the Employer is a Federal contractor with the FAR E-Verify clause subject to the employment verification terms in Subpart 22.18 of the FAR, it will become familiar with and comply with the most current version of the E-Verify User Manual for Federal Contractors as well as the E-Verify Supplemental Guide for Federal Contractors.

2. In addition to the responsibilities of every employer outlined in this MOU, the Employer understands that if it is a Federal contractor subject to the employment verification terms in Subpart 22.18 of the FAR it must verify the employment eligibility of any "employee assigned to the contract" (as defined in FAR 22.1801). Once an employee has been verified through E-Verify by the Employer, the Employer may not create a second case for the employee through E-Verify.

a. An Employer that is not enrolled in E-Verify as a Federal contractor at the time of a contract award must enroll as a Federal contractor in the E-Verify program within 30 calendar days of contract award and, within 90 days of enrollment, begin to verify employment eligibility of new hires using E-Verify. The Employer must verify those employees who are working in the United States, whether or not they are assigned to the contract. Once the Employer begins verifying new hires, such verification of new hires must be initiated within three business days after the hire date. Once enrolled in E-Verify as a Federal contractor, the Employer must begin verification of employees assigned to the contract within 90 calendar days after the date of enrollment or within 30 days of an employee's assignment to the contract, whichever date is later.

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- b. Employers enrolled in E-Verify as a Federal contractor for 90 days or more at the time of a contract award must use E-Verify to begin verification of employment eligibility for new hires of the Employer who are working in the United States, whether or not assigned to the contract, within three business days after the date of hire. If the Employer is enrolled in E-Verify as a Federal contractor for 90 calendar days or less at the time of contract award, the Employer must, within 90 days of enrollment, begin to use E-Verify to initiate verification of new hires of the contractor who are working in the United States, whether or not assigned to the contract. Such verification of new hires must be initiated within three business days after the date of hire. An Employer enrolled as a Federal contractor in E-Verify must begin verification of each employee assigned to the contract within 90 calendar days after date of contract award or within 30 days after assignment to the contract, whichever is later.
- c. Federal contractors that are institutions of higher education (as defined at 20 U.S.C. 1001(a)), state or local governments, governments of Federally recognized Indian tribes, or sureties performing under a takeover agreement entered into with a Federal agency under a performance bond may choose to only verify new and existing employees assigned to the Federal contract. Such Federal contractors may, however, elect to verify all new hires, and/or all existing employees hired after November 6, 1986. Employers in this category must begin verification of employees assigned to the contract within 90 calendar days after the date of enrollment or within 30 days of an employee's assignment to the contract, whichever date is later.
- d. Upon enrollment, Employers who are Federal contractors may elect to verify employment eligibility of all existing employees working in the United States who were hired after November 6, 1986, instead of verifying only those employees assigned to a covered Federal contract. After enrollment, Employers must elect to verify existing staff following DHS procedures and begin E-Verify verification of all existing employees within 180 days after the election.
- e. The Employer may use a previously completed Form I-9 as the basis for creating an E-Verify case for an employee assigned to a contract as long as:
 - i. That Form I-9 is complete (including the SSN) and complies with Article II.A.6,
 - ii. The employee's work authorization has not expired, and
 - iii. The Employer has reviewed the Form I-9 information either in person or in communications with the employee to ensure that the employee's Section 1, Form I-9 attestation has not changed (including, but not limited to, a lawful permanent resident alien having become a naturalized U.S. citizen).
- f. The Employer shall complete a new Form I-9 consistent with Article II.A.6 or update the previous Form I-9 to provide the necessary information if:
 - i. The Employer cannot determine that Form I-9 complies with Article II.A.6,
 - ii. The employee's basis for work authorization as attested in Section 1 has expired or changed, or
 - iii. The Form I-9 contains no SSN or is otherwise incomplete.

Note: If Section 1 of Form I-9 is otherwise valid and up-to-date and the form otherwise complies with

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Article II.C.5, but reflects documentation (such as a U.S. passport or Form I-551) that expired after completing Form I-9, the Employer shall not require the production of additional documentation, or use the photo screening tool described in Article II.A.5, subject to any additional or superseding instructions that may be provided on this subject in the E-Verify User Manual.

g. The Employer agrees not to require a second verification using E-Verify of any assigned employee who has previously been verified as a newly hired employee under this MOU or to authorize verification of any existing employee by any Employer that is not a Federal contractor based on this Article.

3. The Employer understands that if it is a Federal contractor, its compliance with this MOU is a performance requirement under the terms of the Federal contract or subcontract, and the Employer consents to the release of information relating to compliance with its verification responsibilities under this MOU to contracting officers or other officials authorized to review the Employer's compliance with Federal contracting requirements.

C. RESPONSIBILITIES OF SSA

1. SSA agrees to allow DHS to compare data provided by the Employer against SSA's database. SSA sends DHS confirmation that the data sent either matches or does not match the information in SSA's database.

2. SSA agrees to safeguard the information the Employer provides through E-Verify procedures. SSA also agrees to limit access to such information, as is appropriate by law, to individuals responsible for the verification of Social Security numbers or responsible for evaluation of E-Verify or such other persons or entities who may be authorized by SSA as governed by the Privacy Act (5 U.S.C. § 552a), the Social Security Act (42 U.S.C. 1306(a)), and SSA regulations (20 CFR Part 401).

3. SSA agrees to provide case results from its database within three Federal Government work days of the initial inquiry. E-Verify provides the information to the Employer.

4. SSA agrees to update SSA records as necessary if the employee who contests the SSA tentative nonconfirmation visits an SSA field office and provides the required evidence. If the employee visits an SSA field office within the eight Federal Government work days from the date of referral to SSA, SSA agrees to update SSA records, if appropriate, within the eight-day period unless SSA determines that more than eight days may be necessary. In such cases, SSA will provide additional instructions to the employee. If the employee does not visit SSA in the time allowed, E-Verify may provide a final nonconfirmation to the employer.

Note: If an Employer experiences technical problems, or has a policy question, the employer should contact E-Verify at 1-888-464-4218.

D. RESPONSIBILITIES OF DHS

1. DHS agrees to provide the Employer with selected data from DHS databases to enable the Employer to conduct, to the extent authorized by this MOU:

a. Automated verification checks on alien employees by electronic means, and

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- b. Photo verification checks (when available) on employees.
2. DHS agrees to assist the Employer with operational problems associated with the Employer's participation in E-Verify. DHS agrees to provide the Employer names, titles, addresses, and telephone numbers of DHS representatives to be contacted during the E-Verify process.
3. DHS agrees to provide to the Employer with access to E-Verify training materials as well as an E-Verify User Manual that contain instructions on E-Verify policies, procedures, and requirements for both SSA and DHS, including restrictions on the use of E-Verify.
4. DHS agrees to train Employers on all important changes made to E-Verify through the use of mandatory refresher tutorials and updates to the E-Verify User Manual. Even without changes to E-Verify, DHS reserves the right to require employers to take mandatory refresher tutorials.
5. DHS agrees to provide to the Employer a notice, which indicates the Employer's participation in E-Verify. DHS also agrees to provide to the Employer anti-discrimination notices issued by the Office of Special Counsel for Immigration-Related Unfair Employment Practices (OSC), Civil Rights Division, U.S. Department of Justice.
6. DHS agrees to issue each of the Employer's E-Verify users a unique user identification number and password that permits them to log in to E-Verify.
7. DHS agrees to safeguard the information the Employer provides, and to limit access to such information to individuals responsible for the verification process, for evaluation of E-Verify, or to such other persons or entities as may be authorized by applicable law. Information will be used only to verify the accuracy of Social Security numbers and employment eligibility, to enforce the INA and Federal criminal laws, and to administer Federal contracting requirements.
8. DHS agrees to provide a means of automated verification that provides (in conjunction with SSA verification procedures) confirmation or tentative nonconfirmation of employees' employment eligibility within three Federal Government work days of the initial inquiry.
9. DHS agrees to provide a means of secondary verification (including updating DHS records) for employees who contest DHS tentative nonconfirmations and photo mismatch tentative nonconfirmations. This provides final confirmation or nonconfirmation of the employees' employment eligibility within 10 Federal Government work days of the date of referral to DHS, unless DHS determines that more than 10 days may be necessary. In such cases, DHS will provide additional verification instructions.

ARTICLE III

REFERRAL OF INDIVIDUALS TO SSA AND DHS

A. REFERRAL TO SSA

1. If the Employer receives a tentative nonconfirmation issued by SSA, the Employer must print the notice as directed by E-Verify. The Employer must promptly notify employees in private of the finding and provide them with the notice and letter containing information specific to the employee's E-Verify

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case. The Employer also agrees to provide both the English and the translated notice and letter for employees with limited English proficiency to employees. The Employer agrees to provide written referral instructions to employees and instruct affected employees to bring the English copy of the letter to the SSA. The Employer must allow employees to contest the finding, and not take adverse action against employees if they choose to contest the finding, while their case is still pending.

2. The Employer agrees to obtain the employee's response about whether he or she will contest the tentative nonconfirmation as soon as possible after the Employer receives the tentative nonconfirmation. Only the employee may determine whether he or she will contest the tentative nonconfirmation.

3. After a tentative nonconfirmation, the Employer will refer employees to SSA field offices only as directed by E-Verify. The Employer must record the case verification number, review the employee information submitted to E-Verify to identify any errors, and find out whether the employee contests the tentative nonconfirmation. The Employer will transmit the Social Security number, or any other corrected employee information that SSA requests, to SSA for verification again if this review indicates a need to do so.

4. The Employer will instruct the employee to visit an SSA office within eight Federal Government work days. SSA will electronically transmit the result of the referral to the Employer within 10 Federal Government work days of the referral unless it determines that more than 10 days is necessary.

5. While waiting for case results, the Employer agrees to check the E-Verify system regularly for case updates.

6. The Employer agrees not to ask the employee to obtain a printout from the Social Security Administration number database (the Numident) or other written verification of the SSN from the SSA.

B. REFERRAL TO DHS

1. If the Employer receives a tentative nonconfirmation issued by DHS, the Employer must promptly notify employees in private of the finding and provide them with the notice and letter containing information specific to the employee's E-Verify case. The Employer also agrees to provide both the English and the translated notice and letter for employees with limited English proficiency to employees. The Employer must allow employees to contest the finding, and not take adverse action against employees if they choose to contest the finding, while their case is still pending.

2. The Employer agrees to obtain the employee's response about whether he or she will contest the tentative nonconfirmation as soon as possible after the Employer receives the tentative nonconfirmation. Only the employee may determine whether he or she will contest the tentative nonconfirmation.

3. The Employer agrees to refer individuals to DHS only when the employee chooses to contest a tentative nonconfirmation.

4. If the employee contests a tentative nonconfirmation issued by DHS, the Employer will instruct the

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employee to contact DHS through its toll-free hotline (as found on the referral letter) within eight Federal Government work days.

5. If the Employer finds a photo mismatch, the Employer must provide the photo mismatch tentative nonconfirmation notice and follow the instructions outlined in paragraph 1 of this section for tentative nonconfirmations, generally.

6. The Employer agrees that if an employee contests a tentative nonconfirmation based upon a photo mismatch, the Employer will send a copy of the employee's Form I-551, Form I-766, U.S. Passport, or passport card to DHS for review by:

- a. Scanning and uploading the document, or
- b. Sending a photocopy of the document by express mail (furnished and paid for by the employer).

7. The Employer understands that if it cannot determine whether there is a photo match/mismatch, the Employer must forward the employee's documentation to DHS as described in the preceding paragraph. The Employer agrees to resolve the case as specified by the DHS representative who will determine the photo match or mismatch.

8. DHS will electronically transmit the result of the referral to the Employer within 10 Federal Government work days of the referral unless it determines that more than 10 days is necessary.

9. While waiting for case results, the Employer agrees to check the E-Verify system regularly for case updates.

ARTICLE IV SERVICE PROVISIONS

A. NO SERVICE FEES

1. SSA and DHS will not charge the Employer for verification services performed under this MOU. The Employer is responsible for providing equipment needed to make inquiries. To access E-Verify, an Employer will need a personal computer with Internet access.

ARTICLE V MODIFICATION AND TERMINATION

A. MODIFICATION

1. This MOU is effective upon the signature of all parties and shall continue in effect for as long as the SSA and DHS operates the E-Verify program unless modified in writing by the mutual consent of all parties.

2. Any and all E-Verify system enhancements by DHS or SSA, including but not limited to E-Verify checking against additional data sources and instituting new verification policies or procedures, will be covered under this MOU and will not cause the need for a supplemental MOU that outlines these changes.

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B. TERMINATION

1. The Employer may terminate this MOU and its participation in E-Verify at any time upon 30 days prior written notice to the other parties.
2. Notwithstanding Article V, part A of this MOU, DHS may terminate this MOU, and thereby the Employer's participation in E-Verify, with or without notice at any time if deemed necessary because of the requirements of law or policy, or upon a determination by SSA or DHS that there has been a breach of system integrity or security by the Employer, or a failure on the part of the Employer to comply with established E-Verify procedures and/or legal requirements. The Employer understands that if it is a Federal contractor, termination of this MOU by any party for any reason may negatively affect the performance of its contractual responsibilities. Similarly, the Employer understands that if it is in a state where E-Verify is mandatory, termination of this by any party MOU may negatively affect the Employer's business.
3. An Employer that is a Federal contractor may terminate this MOU when the Federal contract that requires its participation in E-Verify is terminated or completed. In such cases, the Federal contractor must provide written notice to DHS. If an Employer that is a Federal contractor fails to provide such notice, then that Employer will remain an E-Verify participant, will remain bound by the terms of this MOU that apply to non-Federal contractor participants, and will be required to use the E-Verify procedures to verify the employment eligibility of all newly hired employees.
4. The Employer agrees that E-Verify is not liable for any losses, financial or otherwise, if the Employer is terminated from E-Verify.

ARTICLE VI PARTIES

- A. Some or all SSA and DHS responsibilities under this MOU may be performed by contractor(s), and SSA and DHS may adjust verification responsibilities between each other as necessary. By separate agreement with DHS, SSA has agreed to perform its responsibilities as described in this MOU.
- B. Nothing in this MOU is intended, or should be construed, to create any right or benefit, substantive or procedural, enforceable at law by any third party against the United States, its agencies, officers, or employees, or against the Employer, its agents, officers, or employees.
- C. The Employer may not assign, directly or indirectly, whether by operation of law, change of control or merger, all or any part of its rights or obligations under this MOU without the prior written consent of DHS, which consent shall not be unreasonably withheld or delayed. Any attempt to sublicense, assign, or transfer any of the rights, duties, or obligations herein is void.
- D. Each party shall be solely responsible for defending any claim or action against it arising out of or related to E-Verify or this MOU, whether civil or criminal, and for any liability wherefrom, including (but not limited to) any dispute between the Employer and any other person or entity regarding the applicability of Section 403(d) of IIRIRA to any action taken or allegedly taken by the Employer.
- E. The Employer understands that its participation in E-Verify is not confidential information and may be disclosed as authorized or required by law and DHS or SSA policy, including but not limited to,

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Congressional oversight, E-Verify publicity and media inquiries, determinations of compliance with Federal contractual requirements, and responses to inquiries under the Freedom of Information Act (FOIA).

F. The individuals whose signatures appear below represent that they are authorized to enter into this MOU on behalf of the Employer and DHS respectively. The Employer understands that any inaccurate statement, representation, data or other information provided to DHS may subject the Employer, its subcontractors, its employees, or its representatives to: (1) prosecution for false statements pursuant to 18 U.S.C. 1001 and/or; (2) immediate termination of its MOU and/or; (3) possible debarment or suspension.

G. The foregoing constitutes the full agreement on this subject between DHS and the Employer.

To be accepted as an E-Verify participant, you should only sign the Employer's Section of the signature page. If you have any questions, contact E-Verify at 1-888-464-4218.

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Approved by:

Employer Nextran Corporation	
Name (Please Type or Print) Vickie M Coy	Title
Signature Electronically Signed	Date 04/08/2009
Department of Homeland Security – Verification Division	
Name (Please Type or Print) USCIS Verification Division	Title
Signature Electronically Signed	Date 04/08/2009

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Information Required for the E-Verify Program

Information relating to your Company:

Company Name	Nextran Corporation
Company Facility Address	1986 West Beaver St Jacksonville, FL 32209
Company Alternate Address	1986 West Beaver St Jacksonville, FL 32209
County or Parish	DUVAL
Employer Identification Number	593139839
North American Industry Classification Systems Code	488
Parent Company	Nextran Corporation
Number of Employees	500 to 999
Number of Sites Verified for	14

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Are you verifying for more than 1 site? If yes, please provide the number of sites verified for in each State:

ALABAMA	3 site(s)
FLORIDA	8 site(s)
GEORGIA	3 site(s)

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Information relating to the Program Administrator(s) for your Company on policy questions or operational problems:

Name Lorie Flaris
Phone Number (904) 354 - 3721
Fax Number (904) 354 - 0365
Email Address lflaris@nextrancorp.com

Name Vickie M Coy
Phone Number (404) 577 - 5230 ext. 2316
Fax Number (678) 420 - 2316
Email Address vcoy@nextrancorp.com

Name Eddie Woods
Phone Number (205) 322 - 2534
Fax Number (205) 322 - 1085
Email Address ewoods@nextrancorp.com

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