



CITY OF DOUGLAS WYOMING
Contract Documents & Specifications for a New
Day Cab Tractor

Douglas City Hall
101 N. 4th St.
PO Box 1030
Douglas, WY 82633

Public Works Dept.
420 W. Grant Street
PO Box 1030
Douglas, WY 82633

**City of Douglas
Call for Bids (Equipment)**

Sealed bids for a **New Specified 2025 Day Cab Tractor** will be received in the office of the City Clerk until **2:00 p.m., July 31, 2024** and read immediately thereafter in the Council Chambers at City Hall, 101 N. 4th St., Douglas, WY. Approved specifications and contract documents may be obtained at the Public Works Dept., 420 W. Grant Street, or on the City of Douglas website at www.cityofdouglas.org under the “Bid Postings” tab. Mail submitted bids to the City Clerk, City of Douglas, P.O. Box 1030, Douglas, WY 82633, or deliver to the City Clerk at 101 N. 4th Street, Douglas, WY. The City of Douglas reserves the right to reject any and all bids, to waive informalities, and to accept the bid that serves the best interests of the City./s/, City Clerk

Published: **July 17, 2024 & July 24,2024**

End of Section

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CITY OF DOUGLAS BID INFORMATION

Seal bids will be received until **2:00 p.m. on July 31, 2024**, at the office of the City Clerk the same day in the Council Chambers of the City Hall Building at 101 North 4th Street, Douglas, Wyoming, for a **New Specified 2025 Day Cab Tractor**. Details and specifications may be obtained by contacting the City Clerk, 101 North 4th, Douglas Wyoming 82633; at the Public Works Department, 420 West Grant, Douglas Wyoming 82633-2153; or on the City of Douglas website at www.cityofdouglas.org under the “Bids” tab. **Bids received after the specified hour will not be accepted.**

Demonstrative units will not be accepted or considered in the bid proposal.

Details and specifications may be obtained by contacting the City Clerk, 101 North 4th, Douglas, Wyoming 82633 or the Public Works Department, 420 West Grant, Douglas, Wyoming 82633-2153. Bids received after the specified hour will not be accepted.

Delivery will be accepted, F.O.B. Douglas, Wyoming. All complete bids must be F.O.B. the City of Douglas, Public Works Department, 420 West Grant, Douglas, Wyoming 82633-2153. Tax Exempt Certificate will be furnished by the City of Douglas.

All bids must be clearly marked **New 2025 Day Cab Tractor** with the bidder’s name and the time and date of the opening on the outside of the envelope. A Bid Bond or Letter of Credit of 5% will be required at the time the bid is opened. The City of Douglas will allow a 5% preference to Wyoming residents. Bidders will supply a Certificate of Residency in compliance with the Wyoming Department of Labor and Statistics.

No qualified individual with a disability shall, by reason of such disability, be excluded from participation in or be denied the benefits of the services, programs or activities of the City of Douglas, or be subjected to discrimination. Pursuant to the American’s with Disabilities Act, reasonable accommodation for persons with disabilities who wish to participate in these services, programs or activities shall be made upon request to City of Douglas, American Disability Act Coordinator at Douglas City Hall, 101 North 4th Street, Douglas, Wyoming 82633.

The City of Douglas reserves the right to reject any or all bids, to waive informalities in any bid received and accept any bid which best serves the interest of the City of Douglas.

The City of Douglas is letting bids for **New Specified 2025 Day Cab Tractor**. The specifications are for and the purpose and intent of this document is to specify the purchase of a **New Specified 2025 Day Cab Tractor**. Any model bid shall meet or exceed the prescribed requirements. It is unacceptable to add or change components and/or materials to a unit or lesser design capability, in order, to meet these requirements.

The bidder shall indicate his compliance with a “Yes” or non-compliance with a “No” in each line item specification. Where submitted literature does not support the meeting of these specifications, the bidder shall outline fully on company letterhead stationery the variation from specification. Any unit

(Proposal must be filled out, signed and submitted with the bid document)

PROPOSAL FOR FURNISHING NEW SPECIFIED 2025 DAY CAB TRACTOR FOR THE CITY OF DOUGLAS, WYOMING

JACK'S TRUCK CENTER, INC. dba

Proposal of (Name): FLOYD'S TRUCK CENTER WY

(Address): P.O. BOX 1628, GILLETTE, WY 82714

to furnish equipment as specified to the City of Douglas, Wyoming, in accordance with specifications dated (insert date).

BID ITEM:

Description: 2025 Day Cab Tractor

Make and Model: WESTERN STAR 49x

- I. Price bid for (unit) as specified FOB
 - a. Douglas, Wyoming \$ 186,949.00
- II. Less trade-in allowance: \$ N/A
- III. Net Price: (City to pay only this amount) \$ 186,949.00

In addition to this proposal, the undersigned herewith submits complete information including specifications and descriptive literature to fully describe and illustrate the equipment and accessories offered.

Bidder proposes to deliver equipment in accordance with the schedule above. A bid bond, certified, or cashier's check made payable to the City of Douglas, Wyoming, in an amount of 5% of the total amount of this bid is enclosed. The undersigned certifies that he understands the specifications relating to said bid security and agrees to the conditions set forth in said specifications.

JACK'S TRUCK CENTER, INC. dba

Submitted by: FLOYD'S TRUCK CENTER WY

Company

Signature: [Signature]

Title: SALES MANAGER

End of Section

BID BOND – EQUIPMENT

KNOW ALL MEN BY THESE PRESENT, That we, the undersigned, _____ as Principal, and _____ as surety, are hereby held and firmly bound unto _____ as OWNER in the penal sum of _____ for payment of which, we and truly to be made, we hereby jointly and severally bind ourselves, successors and assigns.

The condition of the above obligation is such that whereas the Principal has submitted to _____ a certain BID, attached hereto and hereby made a part hereof to enter into a contract in writing for the _____

NOW, THEREFORE,

- A. If said BID shall be rejected, or
- B. If said BID shall be accepted and the Principal shall execute and deliver a contract in the Form of Contract attached hereto (properly completed in accordance with said BID) and shall furnish a BOND for his faithful performance of said contract, and for the payment of all persons performing labor or furnishing materials in connection therewith and shall in all respects perform the agreement created by the acceptance of said BID.

Then this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its BOND shall in no way be impaired or affected by any said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set forth above.

_____(L.S.)

Surety
By: _____

IMPORTANT: Surety companies executing BONDS must appear in the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the State of Wyoming.

End of Section

IF BIDDER IS:

AN INDIVIDUAL

By: _____ doing business as: _____
(Name)

Address: _____ Phone: _____

A PARTNERSHIP

By: _____ (seal)
(Firm Name)

(General Partner)

Business Address: _____ Phone: _____

A CORPORATION

By: JACK'S TRUCK CENTER, INC dba
FLORES TRUCK CENTER WT of WYOMING
(Corporation Name) (State of Incorporation)

By: [Signature] SACES MANAGER
(Signature) (Title)

ATTEST: _____ (Corporate Seal)

Business Address: _____ Phone: _____

A JOINT VENTURE

By: _____ Address: _____

By: _____ Address: _____

By: _____ Address: _____

By: _____ Address: _____

(Each member of the joint venture must sign; attach additional sheet if necessary.)

End of Section

NOTICE OF AWARD

To: _____

Equipment description: _____

The owner has considered the bid submitted by you for the above described work in response to its advertisement for bids dated _____, 20__ and information for bidders.

You are hereby notified that your bid has been accepted for item/s in the amount of:

Base Bid _____

Option #1 - \$ _____ **Description** _____

Option #2 - \$ _____ **Description** _____

Option #3 - \$ _____ **Description** _____

Option #4 - \$ _____ **Description** _____

Total bid amount: \$ _____

You are required, as set forth in the bid specifications, to execute any documents within ten (10) days from the date of this notice. If you fail to execute said documents, owner will be entitled to consider all rights arising out of the owner's acceptance of your bid as abandoned and as a forfeiture of your bid bond. The owner will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this Notice of Award to the owner.

ACCEPTANCE OF NOTICE

Receipt of the above Notice of Award is hereby acknowledged by:

Owner

Company

Name

Name

Title

Title

Date

Date

End of Section



SPECIFICATIONS

Specifications for **One (1) New 2025 Day Cab Tractor**. These are the minimum specifications for this vehicle; **you must meet or exceed these specifications**. Mark “Yes” if item meets specifications; mark “No” if not. If indication “No” is marked to any specifications, you must provide on a separate sheet of paper an explanation of the item that you would supply in place of the specified item. Any item not marked may result in rejection of the bid.

SCOPE: The truck being specified will be used by the City of Douglas and will be assigned specifically to the Public Works Sanitation Department. The truck will operate daily by pulling loaded walking floor trailers to landfill and returning empty.

I. ENGINE & ENGINE EQUIPMENT:	Yes	No
1. Cummins X15 565 HP @ 1900 RPM	X	
2. 1850 LB/Ft Toque @1000 RPM	X	
3. 1500-watt 115 volt coolant heater & 300-watt oil pan heater w/ receptacle mounted under LH door	X	
4. Dry type air cleaner & restriction gauge mounted on air cleaner housing	X	
5. 1600 sq in Heavy duty radiator with refuse protection package	X	
6. Automatic OTR regeneration and dash mounted regeneration request switch	X	
7. Urea system with gauge in dash indicating urea tank level	X	
8. LH 8 Gallon diesel exhaust fluid (DEF) tank	X	
9. Stainless steel after treatment device/muffler/tailpipe/shields	X	
10. RH outboard under step mounted horizontal after treatment system	X	
11. RH curved vertical tailpipe B-Pillar mounted routed from step	X	
12. Variable speed viscous fan drive w/ automatic fan control and dash switch	X	
13. Electronic engine integral shutdown protection system	X	
14. 12 Volt 160amp alternator w/ remote battery sense	X	
15. (3) 2775 CCA 12V group 31 AGM batteries w/ in cab disconnect switch	X	
16. Passenger seat battery box vented to outside of cab w/ jump start provision by starter	X	
17. One piece steel refuse skid plate under engine & radiator screen w/ fumoto drain valves on oil pan	X	

II. ELECTRONIC PARAMETERS:	Yes	No
1. PTO Dash Switch programmed to engage while parked, roll in neutral after engagement	X	
2. 78 MPH road speed	X	
3. Cruise control speed limit same as road speed	X	
4. PTO mode cancel speed 20 MPH	X	

III. TRANSMISSION & TRANSMISSION EQUIPMENT:	Yes	No
1. Eaton Fuller RTLO-20918B 18 Speed manual transmission	X	
2. Transmission drive PTO to drive hydraulic wet kit	X	
3. Hydraulic wet kit to produce 35 gpm @ 3000 psi w/ relief set to 2800-3000 psi	X	

4. 50 gallon aluminum hydraulic tank mounted above frame back of cab	X	
5. Wet Kit lines and connectors to match City of Douglas walking floor trailers	X	
6. Transmission oil to air cooler	X	
7. Synthetic transmission fluid	X	

IV. FRONT AXLE & EQUIPMENT:	Yes	No
1. 14,600# taper leaf suspension w/ 14,700# 3.74 drop single front axle	X	
2. 16.5X5 Q+ Cast Spider cam front brakes, double anchor, fabricated shoes	X	
3. Cast iron front brake drums w/ dust shield	X	
4. Vented front hub caps with window	X	
5. Automatic front brake slack adjusters	X	
6. Power steering with power steering pump	X	
7. Front shock absorbers	X	
8. Synthetic 75w-90 front axle lube	X	

V. REAR AXLE & EQUIPMENT:	Yes	No
1. Cummins RT-40-160 40,000# R-Series tandem rear axles	X	
2. 3.73 rear axle ratio	X	
3. Iron rear axle carrier with standard axle housing	X	
4. RPL25SD Meritor main driveline with RPL20 interaxle driveline	X	
5. Brake drum dust shields	X	
6. Driver controlled traction differential	X	
7. (1) driver controlled differential axle valve & (1) interaxle lock valve	X	
8. Brake cams & chambers on front side of drive axles	X	
9. Indicator lamp with each mode switch, differential unlock with road speed > 25 MPH, activate only at <5 MPH	X	
10. 16x.5X8.62 Q+ cast spider cam, double anchor, fabricated shoes	X	
11. Brake cams and chambers on rear side of drive axle - NOT AN OPTION		X
12. Cast iron rear brake drums	X	
13. Wabco Tristop D Longstroke 2 drive axle spring parking chambers	X	
14. Haldex automatic rear slack adjusters	X	
15. Synthetic 75w-90 rear axle lube	X	

VI. REAR SUSPENSION:	Yes	No
1. Airliner 40,000# rear suspension w/ chain clearance	X	
2. 59 inch axle spacing	X	
3. Rear Shock Absorbers on both axles	X	
4. Suspension dump switch w/ auto fill above 5 mph	X	
5. Single air suspension leveling valve	X	

VII. PUSHER AXLE:	Yes	No
1. Hendrickson Ex13 13,500# Air Lift Steerable Pusher	X	
2. Aluminum pusher hubs	X	
3. Auto lift in reverse	X	
4. Dash valve & gauge, regulator chassis mounted	X	
5. Positioned 54 inches ahead of front drive axle	X	
6. Auto slack adjusters	X	
7. Dust shields on brakes	X	
8. 15x4 cam brakes, double anchor, fabricated shoes	X	
9. 22.5x8.25 10 HUB piloted 2-hand steel wheels	X	
10. 11R22.5 16ply radial pusher tires	X	

VIII. BRAKE SYSTEM	Yes	No
1. Wabco 6S/6M ABS with traction control & traction control shut off switch on dash	X	
2. Reinforced nylon, fabric braid and wire braid air lines	X	
3. Fiber braid park brake hoses	X	
4. Relay valve with 5-8 PSI crack pressure for tandem axles, & 3-4.5 for pusher axle	X	
5. Wabco System Saver HP air dryer with heater & coalescing filter	X	
6. Air dryer mounted under hood	X	
7. Steel air tanks	X	
8. Pull cables on drain valves of all air tanks	X	
9. 15 ft straight air hose & electrical cable for trailer	X	
10. 40 inch chrome pogo stick for trailer air & electrical lines mounted to deckplate	X	
11. Gladhand/electrical holder mounted to pogostick	X	

IX. WHEELBASE AND FRAME:	Yes	No
1. 5475mm (216 inch) wheelbase	X	
2. 11mmX85mmX287mm steel frame 120KSI	X	
3. 1525mm (60 inch) rear frame overhang	X	
4. Flange tapered end of frame	X	
5. Heavy Duty ductile iron engine crossmember	X	
6. Heavy Duty back of transmission crossmember	X	
7. Standard cast aluminum midship crossmember	X	
8. Standard rear most crossmember	X	
9. Standard cast aluminum forward crossmember	X	
10. Cast aluminum rear suspension crossmember	X	

X. CHASSIS EQUIPMENT:	Yes	No
1. Ali-arc or Herd aluminum bumper/grill guard	X	
2. Headache rack w/ jail bar window, chain hangers, and full width tray	X	
3. Mount headache rack behind hydraulic tank with enough space to add oil to tank	X	
4. Deck plate back of headache rack to fifth wheel as possible.	X	
5. LH back of cab access with grab handle	X	

6. Huck-spin round collar frame fasteners	X	
7. Single centered front tow pin	X	
8. Painted mudflap brackets w/ mudflaps	X	

XI. FIFTH WHEEL:	Yes	No
1. Jost 24 inch air slide fifth wheel, 2 inch slide increments	X	
2. Fifth wheel forward 18 inches ahead of suspension centerline	X	
3. 7.94 inch fifth wheel leg height	X	
4. Steel outboard angle fifth wheel mounting	X	
5. Dash mounted control & plumbing for fifth wheel slide	X	
6. Inside cab mounted air-actuated king pin release	X	

XII. FUEL TANK(S):	Yes	No
1. 100 Gallon/378 liter 25 inch diameter aluminum fuel tank - LH	X	
2. Fuel tank forward	X	
3. Plain step finish	X	
4. Fuel tank cap	X	
5. Davco fuel/water separator w/ ESOC & 12v preheater & water in fuel sensor	X	
6. Equiflo inboard fuel system	X	
7. High temperature reinforced nylon fuel line	X	
8. Painted steel fuel tank bands	X	

XIII. Tires:	Yes	No
1. 12R22.5 16 ply radial front steer tires	X	
2. 11R22.5 16 ply radial rear traction tires	X	
3. One spare tire & wheel for the rear, One spare tire & wheel for the front.	X	

XIV. HUBS:	Yes	No
1. Pre-set plus premium iron front hubs	X	
2. Pre-set plus premium iron rear hubs	X	

XV. WHEELS:	Yes	No
1. 22.5x8.25 10-hub pilot steel disc wheels	X	

XVI. CAB EXTERIOR:	Yes	No
1. Steel reinforced aluminum conventional cab	X	
2. Air cab mounts	X	
3. Bolt-on molded flexible fender extensions	X	
4. Interior lower grab handles plus exterior LH and RH grab handles	X	
5. Hood opening assist w/ locking strut to prevent wind from slamming hood closed	X	
6. Bright hood mounted air intake grill, black screen	X	
7. Vocational hood	X	
8. Single air horn under deck	X	

9. Single electric horn	X	
10. Door lock and ignition switch keyed the same	X	
11. Stainless steel sun visor w/ LED marker lights	X	
12. Daytime running lights	X	
13. Intelligent LED headlights w/ heated lens system	X	
14. Rear facing turn signal lamps in convex mirrors	X	
15. Dual C-bar heated mirrors w/ LH & RH remote	X	
16. LH and RH convex mirrors mounted under primary mirrors	X	
17. Dual LED Class 1 Strobe lights mounted above each door	X	
18. LH and RH Heated hood/fender convex mirrors	X	
19. Roped in windshield	X	
20. Power electric door window regulators	X	
21. Windshield washer reservoir, cab mounted	X	
22. Integral LED stop/turn/tail backup lights	X	

XVII. CAB INTERIOR:	Yes	No
1. Base trim package interior	X	
2. Molded plastic door panels with integrated storage pockets	X	
3. Black mats with added insulation	X	
4. Dash mounted ashtray with 12v power outlet	X	
5. (2) Cup Holders in dash	X	
6. Heater, defroster and air conditioner	X	
7. Standard heater plumbing with ball shut off valves	X	
8. Heavy duty air conditioner compressor	X	
9. Binary control, R134A	X	
10. Premium cab insulation	X	
11. Quantity of keys - 3	X	
12. 12-volt negative ground electrical system	X	
13. LED Interior Cab Lighting	X	
14. Cab door latches with electric door locks	X	
15. High back air suspension driver seat with fold down arm rests	X	
16. Passenger seat mid back non-suspension without arm rests	X	
17. Heavy duty cloth driver & passenger seats	X	
18. 18 inch steering wheel with dash panel & radio switch controls	X	
19. Adjustable tilt and telescoping steering column	X	
20. Driver and passenger interior sun visors	X	

XVIII. INSTRUMENTS AND CONTROLS:	Yes	No
1. Low air pressure light and buzzer	X	
2. Dual needle primary and secondary air pressure gauge	X	
3. 97 DB back-up alarm	X	
4. Electronic cruise control with steering wheel switches	X	

5. Tractor & Trailer air brake application gauge	X	
6. 5" drivers display in instrument cluster	X	
7. Diagnostic interface connector, located LH below dash	X	
8. 2-inch electric fuel, oil pressure, engine temperature.	X	
9. Digital transmission temperature, axle temperature, voltage, outside temp in dash	X	
10. AM/FM/WB radio with front auxiliary inputs, (2) radio speakers in cab	X	
11. Power & ground provision in overhead console	X	
12. Electronic MPH speedometer with secondary KPH scale	X	
13. Electronic 2500 RPM tachometer	X	
14. Ignition switch controlled engine stop	X	
15. Pre-trip inspection feature for exterior lamps	X	
16. Single electric windshield wiper motor with delay	X	
17. PTO controls for wet kit activation	X	
18. Two valve parking brake system with warning indicator	X	
19. Self-canceling turn signal switch with dimmer, washer/wiper and hazard in handle	X	
20. Digital turbo boost in drivers display	X	
21. Three extra switches wired to end of frame	X	

XIX. PAINT AND COLOR:	Yes	No
1. Paint: one solid color	X	
2. Cab color: fleet white	X	
3. Chassis paint: black	X	
4. Wheels: white	X	

XX. WARRANTY:	Yes	No
1. Full factory warranty on cab chassis and components to be shown with the bid.	X	
2. Cab and chassis warranty will be registered by the vendor at the time of delivery. A copy of the cab and chassis warranty/registration is to be delivered with the truck.	X	
3. Engine warranty will be registered by the vendor.	X	

XXI. MANUALS:	Yes	No
1. Workshop manual online access	X	
2. Online parts catalog	X	
3. Drivers & operators manual	X	
4. Engine operator's manual	X	

End of Section

Prepared for:
Alan Gorrell
DOUGLAS CITY PUBLIC
WORKS
420 GRANT ST

DOUGLAS, WY 82633
Phone: 307-359-9008

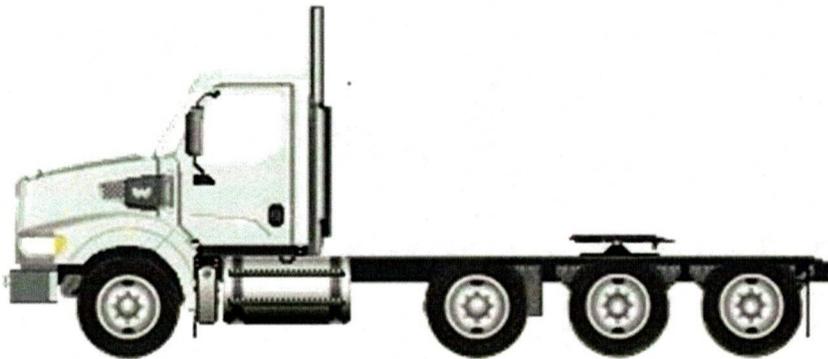
Prepared by:
Kevin Chafee
FLOYD'S TRUCK CENTER WY
6100 S. DOUGLAS HWY.
GILLETTE, WY 82718
Phone: 307-686-0608

A proposal for
DOUGLAS CITY PUBLIC WORKS

Prepared by
FLOYD'S TRUCK CENTER WY
Kevin Chafee

Jul 30, 2024

Western Star 49X



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

Prepared for:
 Alan Gorrell
 DOUGLAS CITY PUBLIC
 WORKS
 420 GRANT ST

DOUGLAS, WY 82633
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S P E C I F I C A T I O N P R O P O S A L

Data Code	Description	Weight Front	Weight Rear
Price Level			
PRL-28X	WST 47X/49X PRL-28X (EFF:MY25 ORDERS)		
Data Version			
DRL-002	SPECPRO21 DATA RELEASE VER 002		
Vehicle Configuration			
001-472	WESTERN STAR 49X	9,175	6,500
004-225	2025 MODEL YEAR SPECIFIED		
002-002	SET BACK AXLE - TRACTOR	20	
019-005	TRAILER TOWING PROVISION FORWARD OF FIFTH WHEEL		
003-001	LH PRIMARY STEERING LOCATION		
General Service			
AA1-001	TRACTOR/TRAILER CONFIGURATION		
AA6-002	DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
99D-029	EPA EMISSIONS CERTIFICATION FOR REGISTRATION IN EPA OR ACT STATES - EPA CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LEFT OF HOOD)		
A85-001	REFUSE SERVICE		
A84-1GM	GOVERNMENT BUSINESS SEGMENT		
AA4-013	MOIST BULK COMMODITY		
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS		
AB1-008	MAXIMUM 8% EXPECTED GRADE		
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
995-1A5	WESTERN STAR VOCATIONAL WARRANTY		
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 14600.0 lbs		
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 40000.0 lbs		

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 DOUGLAS CITY PUBLIC
 WORKS
 420 GRANT ST

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Data Code	Description	Weight Front	Weight Rear
A67-99D	EXPECTED PUSHER AXLE(S) LOAD : 10500.0 lbs		
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 65100.0 lbs		
A70-99D	EXPECTED GROSS COMBINATION WEIGHT : 90000.0 lbs		

Truck Service

AF3-2CR TRACTOR ONLY WITH NO BODY UPFIT

Tractor Service

AA2-005 FLATBED TRAILER
 AH6-001 SINGLE (1) TRAILER

Engine

101-3A6 CUM X15 565 HP @ 1900 RPM, 1900 GOV RPM, 1850 LB-FT @ 1000 RPM 150 60

Electronic Parameters

79A-078 78 MPH ROAD SPEED LIMIT
 79B-000 CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT
 79K-013 PTO MODE ENGINE RPM LIMIT - 1600 RPM
 79N-001 PTO MODE CLUTCH OVERRIDE - CLUTCH ENABLED
 79P-032 PTO RPM CONTROL WITH STEERING WHEEL SWITCHES
 79S-007 PTO MODE CANCEL VEHICLE SPEED - 20 MPH
 79U-007 PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND
 79W-024 CRUISE CONTROL BUTTON PTO CONTROL
 79X-001 PTO SPEED 1 SETTING - 700 RPM
 79Y-002 PTO SPEED 2 SETTING - 1000 RPM
 79Z-016 PTO SPEED 3 SETTING - 1100 RPM
 80G-014 PTO MINIMUM RPM - 650
 80S-002 PTO 1, DASH SWITCH, ROLLING OPERATION (ENGAGE WHILE PARKED, ROLL IN NEUTRAL AFTER ENGAGEMENT)

Engine Equipment

99C-024 EPA 2010/GHG 2024 CONFIGURATION
 13E-001 STANDARD OIL PAN
 105-001 ENGINE MOUNTED OIL CHECK AND FILL
 104-002 FUMOTO DRAIN VALVE(S) ON OIL PAN

Prepared for:
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 DOUGLAS CITY PUBLIC
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 420 GRANT ST

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Prepared by:
 Kevin Chafee
 FLOYD'S TRUCK CENTER WY
 6100 S. DOUGLAS HWY.
 GILLETTE, WY 82718
 Phone: 307-686-0608

Data Code	Description	Weight Front	Weight Rear
014-116	SIDE OF HOOD AIR INTAKE WITH ENGINE MOUNTED AIR CLEANER		
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE	-10	
292-222	(3) DTNA GENUINE, HIGH TEMP AGM STARTING AND CYCLING, MIN 2775CCA, 570RC, THREADED STUD BATTERIES		
290-1AC	PASSENGER SEAT BATTERY BOX VENTED TO OUTSIDE OF CAB		
282-013	BATTERY BOX MOUNTED UNDER PASSENGER SEAT		
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
289-006	PLASTIC BATTERY BOX COVER		
293-058	POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	2	
295-029	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2	
107-045	CUMMINS NATURALLY ASPIRATED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE		
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
128-004	CUMMINS INTEBRAKE BRAKE WITH HIGH MED LOW BRAKE		
016-1C2	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE		
28F-015	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD ACTIVE REGENERATION AND VIRTUAL REGENERATION REQUEST SWITCH IN CLUSTER AND DASH MOUNTED INHIBIT SWITCH		
239-038	11 FOOT 06 INCH (138 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT		
237-1CR	RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP		
23U-027	8 GALLON DIESEL EXHAUST FLUID TANK		
23Z-005	UNPOLISHED ALUMINUM WST DIESEL EXHAUST FLUID TANK COVER		
43X-001	LH HEAVY DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		

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Data Code	Description	Weight Front	Weight Rear
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP		
242-001	STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAILPIPE SHIELD		
273-059	ELECTRONICALLY CONTROLLED VARIABLE SPEED VISCOUS FAN DRIVE		
276-002	AUTOMATIC FAN CONTROL WITH DASH SWITCH AND INDICATOR LIGHT, NON ENGINE MOUNTED		
122-130	DAVCO 385 FUEL/WATER SEPARATOR WITH ESOC AND 12 VOLT PREHEATER AND WATER IN FUEL SENSOR	10	
110-003	CUMMINS SPIN ON FUEL FILTER		
118-001	FULL FLOW OIL FILTER		
266-110	1600 SQUARE INCH VOCATIONAL RADIATOR WITH PROTECTION PACKAGE	25	
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT		
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
261-001	STANDARD CHARGE AIR COOLER PLUMBING		
270-016	RADIATOR DRAIN VALVE		
168-014	ONE PIECE STEEL CONSTRUCTION SKID PLATE AND RADIATOR SCREEN	90	
138-005	PHILLIPS-TEMRO 1500 WATT/115 VOLT BLOCK HEATER	4	
166-005	PHILLIPS-TEMRO 300 WATT/115 VOLT OIL PREHEATER	4	
140-022	CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		
132-998	NO AIR INTAKE WARMER	-10	
155-055	DELCO 12V 39MT HD/OCP STARTER WITH THERMAL PROTECTION AND INTEGRATED MAGNETIC SWITCH		

Transmission

342-376	EATON FULLER RTLO-20918B TRANSMISSION	80	40
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Transmission Equipment

34C-998	NO AUX/ACC TRANSMISSION WIRING		
180-1AR	EATON ADVANTAGE 15-1/2 INCH SELF ADJUSTING CLUTCH WITH PREDAMPER	-50	
183-008	TORQUE LIMITING CLUTCH BRAKE		
181-002	ZERK FITTING WITH EXTENSION HOSE AT CLUTCH RELEASE BEARING		

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Data Code	Description	Weight Front	Weight Rear
182-005	HYDRAULIC CLUTCH CONTROL		
347-002	ALUMINUM CLUTCH HOUSING		
362-802	DEALER INSTALLED CHELSEA 442 SERIES PTO		
363-003	PTO MOUNTING, BOTTOM OF MAIN TRANSMISSION DETROIT & EATON FULLER TRANSMISSION		
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN		
345-001	PAINTED SHIFT LEVER, SOLID LINKAGE		
370-002	AIR TO OIL TRANSMISSION COOLER	15	
35T-003	SYNTHETIC TRANSMISSION LUBE		
Front Axle and Equipment			
400-1A8	DETROIT DA-F-14.7-3 14,700# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE		
418-060	CONMET PRESET PLUS PREMIUM IRON FRONT HUBS		
402-049	MERITOR 16.5X5 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
403-043	2011/2013-FMVSS 121 RSD FRONT BRAKE LINING		
419-023	CONMET CAST IRON FRONT BRAKE DRUMS		
427-001	FRONT BRAKE DUST SHIELDS		
409-006	FRONT OIL SEALS		
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL		
405-017	HALDEX AUTOMATIC FRONT SLACK ADJUSTERS W/ SINGLE PIN CLEVIS		
536-103	SINGLE HIGH CAPACITY POWER STEERING GEAR, BENDIX, 14.6-18K	-18	
534-015	2 QUART SEE THROUGH POWER STEERING RESERVOIR		
40T-002	CURRENT AVAILABLE SYNTHETIC 75W-90 FRONT AXLE LUBE		

Front Suspension			
620-010	14,600# TAPERLEAF FRONT SUSPENSION	90	
619-005	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION		
410-001	FRONT SHOCK ABSORBERS		

Rear Axle and Equipment

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Data Code	Description	Weight Front	Weight Rear
420-074	CUMMINS-MERITOR RT-40-160 40,000# R-SERIES TANDEM REAR AXLE		370
450-060	CONMET PRESET PLUS PREMIUM IRON REAR HUBS		60
421-373	3.73 REAR AXLE RATIO		
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
386-067	RPL25SD MERITOR MAIN DRIVELINE		
388-039	RPL20 MERITOR INTERAXLE DRIVELINE		
452-006	DRIVER CONTROLLED TRACTION DIFFERENTIAL - BOTH TANDEM REAR AXLES		30
878-023	(1) INTERAXLE LOCK VALVE, (1) DRIVER CONTROLLED DIFFERENTIAL LOCK FORWARD-REAR AND REAR-REAR AXLE VALVE		
87A-015	INDICATOR LIGHT FOR EACH INTERAXLE LOCKOUT SWITCH ENGAGE <30MPH;DISENGAGE>50MPH		
87B-015	INDICATOR LIGHT FOR EACH DIFFERENTIAL LOCKOUT SWITCH, ENGAGE <5 MPH, DISENGAGE >25 MPH		
423-019	MERITOR 16.5X8.62 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
433-043	2011/2013-FMVSS 121 RSD REAR BRAKE LININGS		
434-005	BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S) WITH AUXILIARY SUPPORT BRACKETS		
451-023	CONMET CAST IRON REAR BRAKE DRUMS		
425-002	REAR BRAKE DUST SHIELDS		5
440-006	REAR OIL SEALS		
426-101	WABCO TRISTOP D LONGSTROKE 2-DRIVE AXLE SPRING PARKING CHAMBERS		
428-003	HALDEX AUTOMATIC REAR SLACK ADJUSTERS		
41T-002	CURRENT AVAILABLE SYNTHETIC 75W-90 REAR AXLE LUBE		
42T-001	STANDARD REAR AXLE BREATHER(S)		
Rear Suspension			
622-108	AIRLINER 46,000# REAR SUSPENSION WITH CHAIN CLEARANCE		480
621-108	9.5 INCH NOMINAL RIDE HEIGHT (460MM GLOBAL REFERENCE HEIGHT)		
431-005	RESTRAINED AXLE SEATS IN AXLE CLAMP GROUP		

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Data Code	Description	Weight Front	Weight Rear
624-024	59 INCH (1500MM) AXLE SPACING		
888-078	IGNITION CONTROLLED ELECTRIC DUMP SWITCH FOR AIR SUSPENSION WITH STATE RETENTION AND GAUGE		
87D-012	REAR AIR SUSPENSION DUMP VALVE AUTOFILL >5 MPH WITH INDICATOR LIGHT		
910-001	SINGLE AIR REAR SUSPENSION LEVELING VALVE		
623-002	TRANSVERSE CONTROL RODS		
439-005	REAR SHOCK ABSORBERS - TWO AXLES (TANDEM) (AIR RIDE SUSPENSION)		20
Pusher / Tag Equipment			
035-128	HENDRICKSON EX13 COMP 13,500# AIR LIFT STEERABLE PUSHER SUSPENSION, FF1 AXLE	660	660
443-126	HENDRICKSON EX13 COMP 13,500# FF1 STEERABLE INTEGRAL PUSHER AXLE		
449-058	CONMET PRESET PLUS PREMIUM ALUMINUM PUSHER/TAG HUBS		
874-015	(1) DASH VALVE AND (1) GAUGE FOR SINGLE LIFT AXLE		
87F-005	LIFT AXLE WIRING, LIFT IN REVERSE, WITH LAST STATE RETENTION WITH IGNITION OFF		
896-014	(1)REGULATOR MOUNTED ON CHASSIS FOR SINGLE LIFT AXLE	10	
456-1AE	HENDRICKSON 15X4 CAM PUSHER/TAG BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
457-002	NON-ASBESTOS PUSHER/TAG BRAKE LINING		
448-023	CONMET CAST IRON PUSHER/TAG BRAKE DRUMS		
429-001	PUSHER/TAG BRAKE DUST SHIELDS		5
442-016	PUSHER/TAG OIL SEALS		
444-001	VENTED PUSHER/TAG HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL		
445-075	HALDEX LONGSTROKE PUSHER/TAG AXLE SERVICE CHAMBERS		
458-003	HALDEX AUTOMATIC PUSHER/TAG SLACK ADJUSTERS		
626-131	HENDRICKSON EX13 COMP 13,500# AIR LIFT STEERABLE PUSHER SUSPENSION		
627-002	54 INCH AXLE SPACING PUSHER/TAG		

Brake System

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Data Code	Description	Weight Front	Weight Rear
490-1AV	WABCO 6S/6M ABS WITH TRACTION CONTROL WITH ATC SHUT OFF SWITCH		
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES		
432-014	(2) RELAY VALVES; ONE 5-8 PSI FOR TANDEM AXLE AND ONE 3-4.5 PSI CRACK FOR PUSHER/TAG		
480-040	WABCO SYSTEM SAVER 1200 HEATED AIR DRYER WITH PRESSURE CONTROL VALVE		
483-004	WABCO OIL COALESCING FILTER FOR AIR DRYER		
479-012	AIR DRYER MOUNTED UNDER HOOD		
460-001	STEEL AIR BRAKE RESERVOIRS		
477-004	PULL CABLES ON ALL AIR RESERVOIR(S)		

Trailer Connections

481-002	15 FOOT STRAIGHT TRAILER AIR HOSE	12	
476-094	40 INCH CHROME POGOSTICK WITH U-BOLT HOLDER MOUNTED ON DECK PLATE	2	
484-022	COMBINATION GLADHAND/PLUG HOLDER MOUNTED ON HOSETENNA		
296-010	PRIMARY CONNECTOR/RECEPTACLE WIRED FOR SEPARATE STOP/TURN, ABS CENTER PIN POWERED THROUGH IGNITION		
297-132	SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED BACK OF CAB/BACK OF SLEEPER		
1AZ-003	PAINTED STRADDLE BRACKET LOCATED 36" BACK OF CAB/BACK OF SLEEPER		
310-005	15 FOOT DETACHABLE STRAIGHT PRIMARY TRAILER ELECTRICAL CABLE WITH SAE J560 CONNECTOR	10	

Wheelbase & Frame

545-547	5475MM (216 INCH) WHEELBASE		
546-1C3	11.0MM X 85.0MM X 287.0MM STEEL FRAME (0.43X3.35X11.30 INCH) 120 KSI	190	190
552-028	1525MM (60 INCH) REAR FRAME OVERHANG		
55W-005	FRAME OVERHANG RANGE: 51 INCH TO 60 INCH	-10	20
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 140.55 in		
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 321.56 in		
ZF1-99D	FRAME HEIGHT TOP FRONT UNLADEN : 42.51 in		
ZF2-99D	FRAME HEIGHT TOP FRONT LADEN : 40.74 in		

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Data Code	Description	Weight Front	Weight Rear
ZF3-99D	FRAME HEIGHT TOP REAR UNLADEN : 41.69 in		
ZF4-99D	FRAME HEIGHT TOP REAR LADEN : 40.17 in		
553-031	FLANGE TAPERED END OF FRAME, GRIND AND POLISH WELDS		
559-004	HEAVY DUTY DUCTILE IRON ENGINE CROSSMEMBER	50	
561-007	HEAVY DUTY BACK OF TRANSMISSION CROSSMEMBER	10	
562-063	STANDARD CAST ALUMINUM MIDSHIP		
572-001	STANDARD REAR MOST CROSSMEMBER		
565-020	STANDARD CAST ALUMINUM FORWARD CROSSMEMBER		15
568-012	CAST ALUMINUM REAR SUSPENSION CROSSMEMBER		

Chassis Equipment

025-001	UNPOLISHED ALUMINUM WST EQUIPMENT COVERS		
674-019	LH BACK OF CAB ACCESS, GRAB HANDLES WITH SINGLE RUBBER INSERT		
592-059	56 INCH (1400MM) DECK PLATE FLUSH MOUNTED BETWEEN RAILS	6	6
556-997	OMIT FACTORY FRONT BUMPER, CUSTOMER INSTALLED SPECIAL ALI-ARC FRONT BUMPER	-60	
558-066	REMOVABLE PROUD CENTERED FRONT TOW PIN	50	
574-998	NO LICENSE PLATE MOUNTING		
585-042	BETTS B-25 PAINTED MUDFLAP BRACKETS		15
590-032	WESTERN STAR LOGO BLACK MUDFLAPS		15
551-002	HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS		
44Z-002	EXTERIOR HARNESSES WRAPPED IN ABRASION TAPE		
600-814	CUSTOMER FURNISHED AND INSTALLED CAB GUARD; OFFSET DECK PLATES 36 INCHES FROM BACK OF CAB, CUSTOMER TO RELOCATE BACK OF CAB ITEMS AS REQUIRED		

Fifth Wheel

578-1CG	JOST JSK37 SERIES 24.0 INCH AIR SLIDE FIFTH WHEEL - 2 INCH SLIDE INCREMENTS	30	510
577-457	FIFTH WHEEL 457MM (18.0 INCHES) AHEAD OF SUSPENSION CENTERLINE		
582-075	194MM (7.62 INCH) FIFTH WHEEL HEIGHT		

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Data Code	Description	Weight Front	Weight Rear
570-001	STEEL OUTBOARD ANGLE - FIFTH WHEEL MOUNTING		
890-001	DASH MOUNTED CONTROL AND PLUMBING FOR FIFTH WHEEL		
579-008	INSIDE CAB MOUNTED LH AIR-ACTUATED KING PIN RELEASE FOR FONTAINE/HOLLAND/JOST FIFTH WHEELS		10
Fuel Tanks			
204-156	100 GALLON/378 LITER ALUMINUM FUEL TANK - LH	-15	-10
218-006	25 INCH DIAMETER FUEL TANK(S)		
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
212-007	FUEL TANK(S) FORWARD		
664-001	PLAIN STEP FINISH		
205-001	FUEL TANK CAP(S)		
216-020	EQUIFLO INBOARD FUEL SYSTEM		
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
Tires			
093-994	MICHELIN XZE 12R22.5 16 PLY RADIAL FRONT TIRES	50	
094-17X	MICHELIN X MULTI D+ 11R22.5 16 PLY RADIAL REAR TIRES		120
095-1AX	MICHELIN XZE2 11R22.5 16 PLY RADIAL PUSHER/TAG TIRES		24
510-994	MICHELIN XZE 12R22.5 16 PLY RADIAL SPARE TIRE		211
508-17X	MICHELIN X MULTI D+ 11R22.5 16 PLY RADIAL ADDITIONAL SPARE TIRE		137
Wheels			
502-753	MAXION WHEELS 91262 22.5X8.25 10-HUB PILOT 6.20 INSET 5-HAND STEEL DISC FRONT WHEELS	10	
505-545	MAXION WHEELS 90260 22.5X8.25 10-HUB PILOT 2-HAND HD STEEL DISC REAR WHEELS		160
509-752	MAXION WHEELS 91541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC PUSHER/TAG WHEELS		-8
511-545	MAXION WHEELS 90260 22.5X8.25 10-HUB PILOT 2-HAND HD STEEL DISC SPARE WHEEL		71

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Data Code	Description	Weight Front	Weight Rear
51A-753	MAXION WHEELS 91262 22.5X8.25 10-HUB PILOT 5-HAND STEEL DISC ADDITIONAL SPARE WHEEL		38
496-011	FRONT WHEEL MOUNTING NUTS		
497-011	REAR WHEEL MOUNTING NUTS		
495-011	PUSHER/TAG WHEEL MTG NUTS		
Cab Exterior			
829-116	121 INCH BBC ALUMINUM CONVENTIONAL CAB		
82A-028	STAINLESS STEEL CAB ACCENT MOLDING		
667-001	FRONT FENDERS		
754-017	BOLT-ON MOLDED FLEXIBLE FENDER EXTENSIONS	10	
678-066	INTERIOR GRAB HANDLES WITH ADDED LOWER LH AND RH A PILLAR GRAB HANDLES AND LH AND RH EXTERIOR NON-SLIP GRAB HANDLES		
65X-009	BRIGHT HOOD MOUNTED AIR INTAKE GRILLE, BLACK SCREEN		
640-016	X-SERIES STEEL REINFORCED ALUMINUM CAB		
644-048	X-SERIES VOCATIONAL HOOD		
67U-001	HOOD OPENING ASSIST WITH LOCKING STRUT		
652-016	WESTERN STAR NAMEPLATES		
727-1AY	SINGLE AIR HORN UNDER LH DECK	-4	
726-001	SINGLE ELECTRIC HORN		
575-001	REAR LICENSE PLATE MOUNT END OF FRAME		
327-064	DUAL AMBER LED CLASS I STROBE LIGHTS WITH STAINLESS STEEL BRACKETS ABOVE CAB DOORS	20	
312-095	DUAL STAGE INTELLIGENT LED HEADLIGHTS WITH HEATED LENS SYSTEM		
302-073	VISOR MOUNTED LED MARKER LIGHTS		
311-001	DAYTIME RUNNING LIGHTS		
294-1AY	INTEGRAL LED STOP/TAIL/BACKUP LIGHTS		
300-061	LED REAR FACING TURN SIGNAL LAMPS IN CONVEX MIRROR LENS IN ADDITION TO STANDARD	2	
744-107	C-BAR MIRROR SYSTEM WITH DUAL HEATED MIRRORS WITH INTEGRAL HEATED CONVEX, DUAL REMOTE, TURN SIGNAL, STAINLESS STEEL BACK COVER, AND BLACK C-BAR	20	
796-001	102 INCH EQUIPMENT WIDTH		

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Data Code	Description	Weight Front	Weight Rear
743-209	LH AND RH CONVEX MIRRORS INTEGRAL WITH PRIMARY MIRRORS		
74A-001	RH DOWN VIEW MIRROR		
74B-113	RH AND LH HEATED BLACK HOOD/FENDER MOUNTED SIDE VIEW MIRRORS WITH BLACK MOUNTING ARM	8	
729-001	STANDARD SIDE/REAR REFLECTORS		
73A-002	REAR REFLECTIVE DEVICE		
677-098	UNPOLISHED ALUMINUM WST AFTERTREATMENT SYSTEM COVER		
776-998	NO SLEEPER VENT	-10	
764-020	STAINLESS STEEL EXTERIOR SUN VISOR WITH INTEGRAL MARKER LIGHTS	16	
768-064	SINGLE SOLAR TINTED REAR WINDOW, (1) 31 INCH X 20 INCH	-10	
663-019	1-PIECE ROPED-IN SOLAR GREEN GLASS WINDSHIELD		
659-006	8 LITER (2 GAL) WINDSHIELD WASHER RESERVOIR, CAB MOUNTED, WITH FLUID LEVEL INDICATOR		
Cab Interior			
055-015	X-SERIES BASE INTERIOR TRIM LEVEL PACKAGE		
707-1C3	CHARCOAL BLACK VINYL BASE LEVEL INTERIOR		
70K-016	CARBON WITH BASE BLACK ACCENT		
772-035	BLACK MATS WITH ADDED FLOOR HEAT AND NOISE INSULATION		
785-015	(1) DASH MOUNTED POWER OUTLET, LIGHTER AND ASH TRAY		
691-001	FORWARD ROOF MOUNTED CONSOLE		
693-019	LH AND RH DOOR STORAGE POCKETS INTEGRATED INTO MOLDED DOOR PANELS		
741-015	(2) COAT HOOKS ON BACKWALL OF CAB		
745-998	NO UPPER BUNK	-50	-50
738-021	DIGITAL ALARM CLOCK IN DRIVER DISPLAY		
170-045	STANDARD HEATER PLUMBING WITH BALL SHUTOFF VALVES AT SUPPLY LINES ONLY		
698-001	RADIATOR MOUNTED AIR CONDITIONER CONDENSER		
739-034	PREMIUM INSULATION		
324-1B3	STANDARD LED CAB LIGHTING		

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Data Code	Description	Weight Front	Weight Rear
787-998	NO SECURITY DEVICE		
657-001	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME		
78G-003	KEY QUANTITY OF 3		
655-028	LH AND RH ELECTRIC DOOR LOCKS WITH AUTO UNLOCK FEATURE WHEN DOOR IS SET FROM OPEN TO CLOSED POSITION		
64C-003	BLACK DOOR HANDLES		
740-998	NO MATTRESS	-20	-15
756-1J5	BASIC 2.0 HIGH BACK AIR SUSPENSION DRIVER SEAT WITH 1 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION AND TILT	20	
760-294	BATTERY BOX MID BACK NON SUSPENSION PASSENGER SEAT		
759-007	DUAL DRIVER SEAT ARMRESTS, NO PASSENGER SEAT ARMRESTS		
758-135	BLACK MORDURA CLOTH DRIVER SEAT COVER WITH EMBROIDERED LOGO		
761-138	BLACK MORDURA CLOTH PASSENGER SEAT COVER WITH NO LOGO		
763-1AA	3 POINT ADJUSTABLE D-RING RETRACTOR DRIVER AND FIXED D-RING RETRACTOR PASSENGER SEAT BELTS		
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN		
540-044	4-SPOKE 18 INCH (450MM) BLACK STEERING WHEEL WITH SWITCHES		
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS		

Instruments & Controls

185-009	EXTRA GRIP FOOT CLUTCH PEDAL PAD, NON-ADJUSTABLE SUSPENDED PEDALS		
106-002	ELECTRONIC ACCELERATOR CONTROL		
87L-001	ENGINE REMOTE INTERFACE WITH PARK BRAKE INTERLOCK		
870-001	BLACK GAUGE BEZELS		
734-018	STANDARD CENTER INSTRUMENT PANEL		
838-010	((1) PNEUMATIC TRACTOR AND (1) TRAILER BRAKE APPLICATION AIR GAUGE		
840-001	DUAL NEEDLE PRIMARY AND SECONDARY AIR PRESSURE GAUGE		
198-025	INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS		

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Data Code	Description	Weight Front	Weight Rear
721-001	97 DB BACKUP ALARM		3
149-015	ELECTRONIC CRUISE CONTROL WITH CONTROLS ON STEERING WHEEL SPOKES		
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY		
811-044	PREMIUM INSTRUMENT CLUSTER WITH 5.0 INCH TFT COLOR DISPLAY		
81B-003	DIGITAL PANEL LAMP DIMMER SWITCH IN DRIVER DISPLAY		
160-045	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR WITH DUST CAP LOCATED BELOW LH DASH		
844-001	2 INCH ELECTRIC FUEL GAUGE		
148-072	ENGINE REMOTE INTERFACE WITH ONE OR MORE SET SPEEDS		
866-019	DIGITAL DUAL REAR AXLE TEMPERATURE IN DRIVER DISPLAY WITH SENSOR SHIELDS		
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
854-008	DIGITAL ENGINE OIL TEMPERATURE IN DRIVER DISPLAY		
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE		
864-022	DIGITAL TRANSMISSION OIL TEMPERATURE IN DRIVER DISPLAY		
867-004	ELECTRONIC OUTSIDE TEMPERATURE SENSOR DISPLAY IN DRIVER MESSAGE CENTER		
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		
372-123	PTO CONTROLS FOR ENHANCED VEHICLE ELECTRIC/ELECTRONIC ARCHITECTURE		
080-101	PTO PKG 01, STOCK TRUCK, FLATBED, TANK BODY/TRAILER, WRECKER		
736-998	NO OBSTACLE DETECTION SYSTEM		
72J-998	NO DR ASSIST SYSTEM		
49B-004	ELECTRONIC STABILITY CONTROL		
73B-998	NO LANE DEPARTURE WARNING SYSTEM		
6TS-005	TMC RP1226 ACCESSORY CONNECTOR LOCATED BEHIND PASSENGER SIDE REMOVEABLE DASH PANEL		
746-143	7" B-PANEL INTERACTIVE TOUCHSCREEN DISPLAY W/ USB-C, APPLE CARPLAY, ANDROID AUTO, BLUETOOTH/AM/FM/SXM/WB, MICROPHONE		

Prepared for:
 Alan Gorrell
 DOUGLAS CITY PUBLIC
 WORKS
 420 GRANT ST

DOUGLAS, WY 82633
 Phone: 307-359-9008

Prepared by:
 Kevin Chafee
 FLOYD'S TRUCK CENTER WY
 6100 S. DOUGLAS HWY.
 GILLETTE, WY 82718
 Phone: 307-686-0608

Data Code	Description	Weight Front	Weight Rear
747-001	DASH MOUNTED RADIO		
750-041	STANDARD SPEAKER SYSTEM		
753-998	NO AM/FM RADIO ANTENNA		
748-006	POWER AND GROUND WIRING PROVISION OVERHEAD		
749-001	ROOF/OVERHEAD CONSOLE CB RADIO PROVISION		
751-001	SINGLE REMOTE SPEAKER WITH LEAD FOR 2- WAY RADIO		
752-004	SINGLE FIBERGLASS LH MIRROR MOUNTED CB ANTENNA WITH BRACKET AND LEAD		
75W-001	HEADLINER MULTI-BAND ANTENNA: AM/FM/WEATHERBAND, WIFI/BLUETOOTH, GNSS/GPS		
78C-003	INTEROPERABLE SDAR ANTENNA		
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		
812-032	ELECTRONIC 2500 RPM TACHOMETER		
813-1C8	DETROIT CONNECT PLATFORM HARDWARE		
8D1-315	5 YEARS DAIMLER CONNECTIVITY BASE PACKAGE (FEATURES VARY BY MODEL) POWERED BY DETROIT CONNECT ON CUMMINS ENGINES		
162-002	IGNITION SWITCH CONTROLLED ENGINE STOP		
329-136	THREE EXTRA HARDWIRED SWITCHES IN DASH, ROUTE TO END OF FRAME, BLUNTCUT		
4C1-008	HARDWIRE SWITCH #1, ON/OFF/ON LATCHING, 20 AMPS BATTERY POWER		
4C2-025	HARDWIRE SWITCH #2, ON/OFF LATCHING, 20 AMPS IGNITION POWER		
4C3-016	HARDWIRE SWITCH #3, ON/OFF LATCHING, 20 AMPS IGNITION POWER		
81Y-005	PRE-TRIP INSPECTION FEATURE FOR EXTERIOR LAMPS ONLY		
482-001	BW TRACTOR PROTECTION VALVE		
883-001	TRAILER HAND CONTROL BRAKE VALVE		
842-006	DIGITAL TURBO AIR PRESSURE IN DRIVER DISPLAY		
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		
304-030	ROTARY HEADLAMP SWITCH, MARKER LIGHTS/HEADLIGHTS SWITCH WITH PULL OUT FOR OPTIONAL FOG/ROAD LAMPS		

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Data Code	Description	Weight Front	Weight Rear
882-004	TWO VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR		
299-020	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, HEADLAMP FLASH, WASH/WIPE/INTERMITTENT		
48H-003	QUICKFIT POWERTRAIN INTERFACE CONNECTOR UNDER CAB WITH CAPS		

Design

065-000	PAINT: ONE SOLID COLOR		
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Color

980-5F6	CAB COLOR A: L0006EY WHITE ELITE EY		
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT		
962-972	POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)		
966-972	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)		
96E-972	POWDER WHITE (N0006EA) PUSHER/TAG WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)		

Certification / Compliance

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

998-032	CORPORATE PDI CENTER OPTION INSTALLATION/MODIFICATION ONLY		
999-034	DEALER ADVISED AND ACCEPTS TERMS OF PIL#395; SPEED OF LOADED VEHICLE MUST BE LIMITED TO 5 MPH MAXIMUM WHEN LIFTABLE AXLE IS RAISED		

TOTAL VEHICLE SUMMARY

Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight ⁺	10586 lbs	9692 lbs	20278 lbs
Total Weight⁺	10586 lbs	9692 lbs	20278 lbs

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

(**) All cost increases for major components (Engines, Transmissions, Axles, Front and Rear Tires) and government mandated requirements, tariffs, and raw material surcharges will be passed through and added to factory invoices.



WESTERN STAR

47X

49X



X-SERIES VOCATIONAL

SIMPLY THE BEST TRUCKS

WE'VE EVER BUILT.

WESTERN STAR TRUCKS have always been built to deliver more. More durability, more dependability and more value. And with the all-new X-Series family of vocational trucks, we've taken that commitment even farther. These are trucks that break new ground both on the jobsite and in how the job gets done.

They break new ground in safety, in strength, in technology, in reliability and in what it means to build the world's toughest trucks. They are trucks born from hard work, with a heritage of performing in a world of unforgiving conditions, just like the people who own them. That's why we believe you don't just buy a Western Star, you earn it. So, whether you've owned Western Star for years or never have before, it's time to break new ground with both the all-new 47X and the all-new 49X.

 BUILT WITH ONE GOAL IN MIND

We spent half a decade designing and engineering our all-new X-Series lineup of trucks to be the best vocational trucks on the market. Period. To achieve that, they had to meet seven benchmarks we established at the start of the project. And we put them to the test to make sure they delivered on every one of them.



LEGENDARY DURABILITY



SUPERIOR OPERATOR COMFORT



PROVEN POWERTRAIN OPTIONS



BEST-IN-CLASS SAFETY



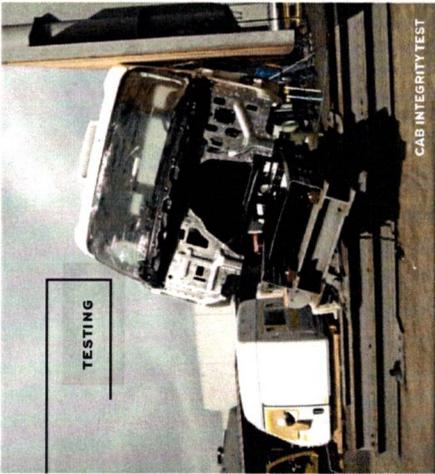
EASY UPFIT



PURPOSE-BUILT



MAXIMIZED UPTIME

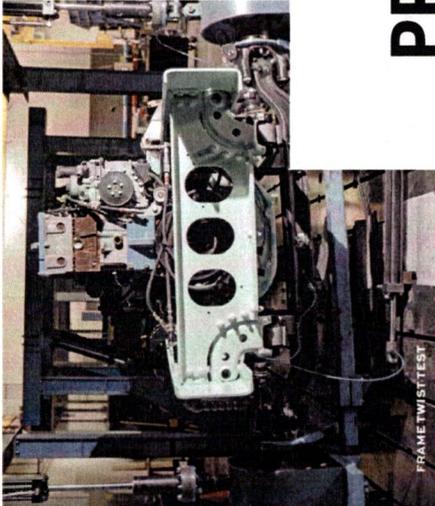


TESTING

CAB INTEGRITY TEST



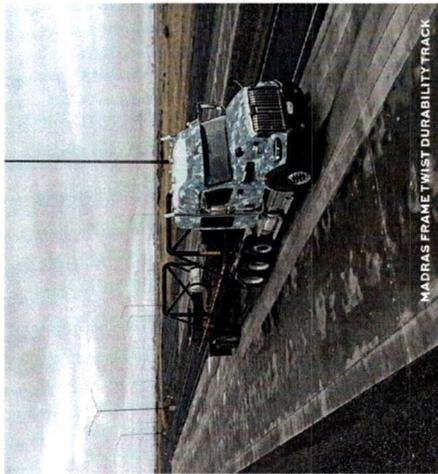
DURABILITY INSPECTION



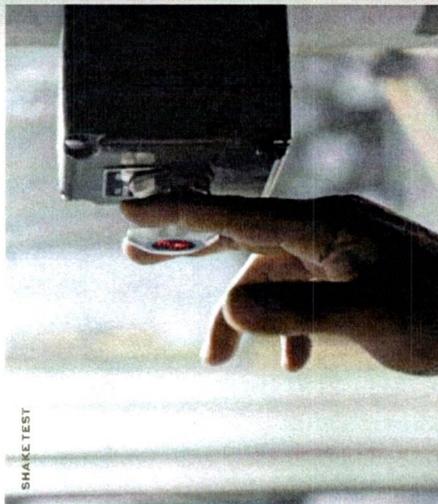
FRAME TWIST TEST



CAB CRUSH TEST



MADRAS FRAME TWIST DURABILITY TRACK



SHAKE TEST

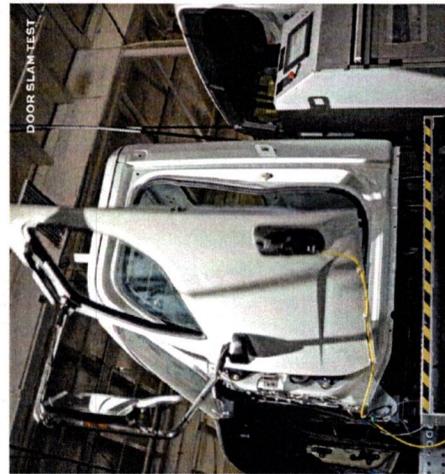


MADRAS ROUGH ROAD TESTING TRACK

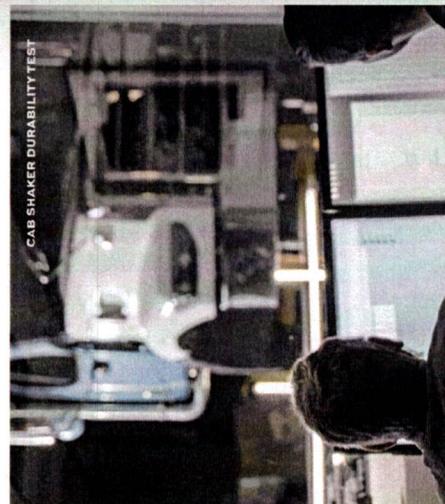
PROVEN.

LIKE NO OTHER.

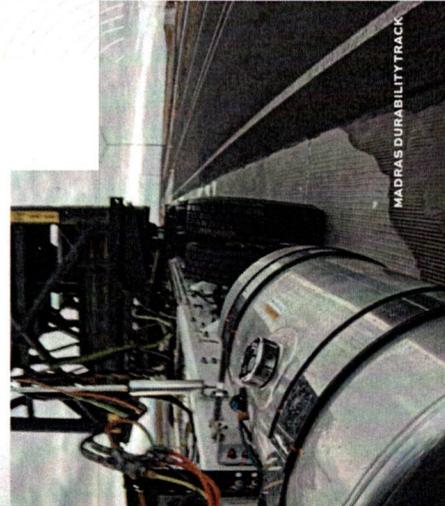
The Western Star X-Series family of trucks have been tested like no other Western Star before. Built from the ground up using an incredible selection of new parts developed specifically to survive the challenges of the vocational market, and matched with cutting-edge technology to make that performance even better. Then we tested them – every nut, bolt and component to simulate 15 years of use. In the end, every component exceeded our already demanding standards. Because a Western Star truck has to pass our tests before you can put it to yours.



DOOR SLAM TEST



CAB SHAKER DURABILITY TEST



MADRAS DURABILITY TRACK



BEMIDJI WINTER TEST

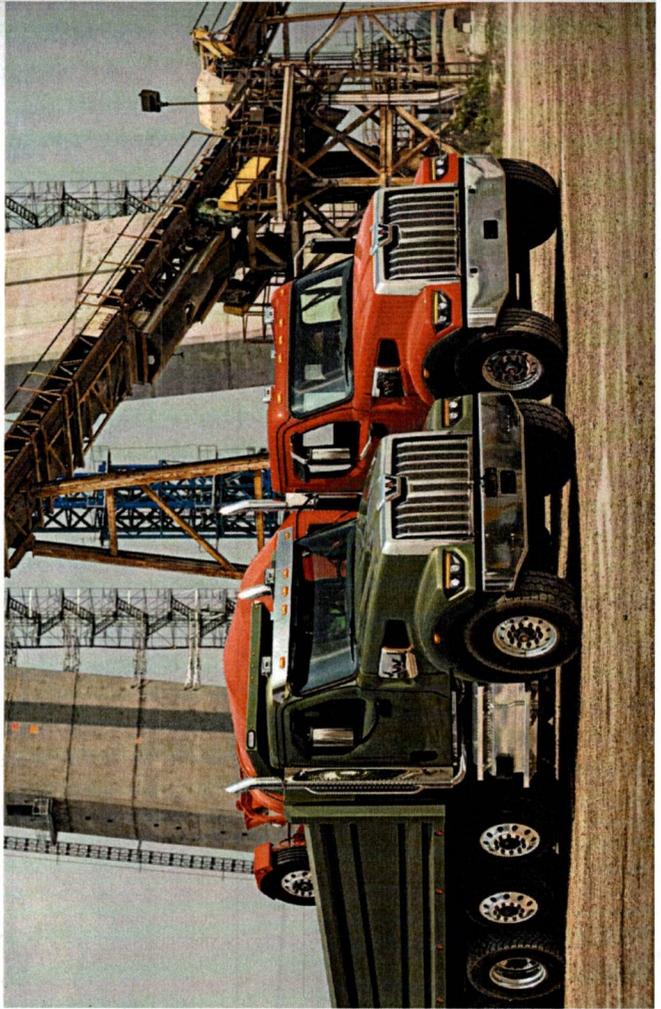
THE X-SERIES

The X-Series toolkit just got more versatile

GETTING THE JOB DONE IS NOW TWICE AS EASY.

When you need a tough truck, Western Star has always been the right choice. And with our X-Series trucks, the toughness Western Star has always been known for is taken to the next level. Both the 47X and 49X are engineered from the ground up to deliver decades of dependable performance. In fact, the 49X represented an industry-changing level of advancement for vocational trucks, delivering power, durability and technology for applications like heavy haul, logging and construction.

And with the addition of the 47X, the reach of the X-Series is extended into even more applications, with a number of new features including a shorter hood and a shorter 110.8" BBC. This shorter configuration is ideal for applications that require optimized equipment packaging to meet local overall vehicle length requirements and applications that need to adhere to bridge laws. So, no matter what job you need to do, there are two purpose-built tools to do it.



47X SPECIFICATIONS

ENGINE DISPLACEMENT	9L to 13L
HORSEPOWER / TORQUE	260/860 to 525/1,850
BUMPER TO BACK OF CAB	111.6" (110.8" WITH SF BRIDGE FORMULA BUMPER MOUNTING)
FORWARD VISIBILITY*	21.7'
AIR FILTRATION EFFICIENCY AND DUST CAPACITY	Very Good
AVAILABLE SLEEPER LENGTHS	36'/48'
TURNING RADIUS (20 FOOT BODY LENGTH)	34.0'

49X SPECIFICATIONS

ENGINE DISPLACEMENT	12L to 16L
HORSEPOWER / TORQUE	350/1,350 to 605/2,050
BUMPER TO BACK OF CAB	121.5"
FORWARD VISIBILITY*	24.8'
AIR FILTRATION EFFICIENCY AND DUST CAPACITY	Excellent
AVAILABLE SLEEPER LENGTHS	36'/48'/60'/72"
TURNING RADIUS (20 FOOT BODY LENGTH)	35.4'

*Driver visibility over center of hood.

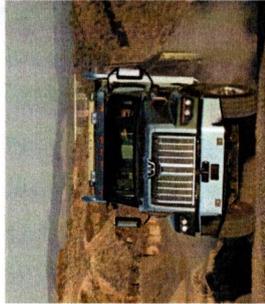
LEGENDARY DURABILITY

All-new heavy-duty vocational chassis

ALWAYS BUILD

ON A STRONG FOUNDATION.

The X-Series features an all-new heavy-duty vocational frame, engineered and built from the ground up to meet the demands of severe applications while still being lighter weight, more durable, easier to service and extremely truck equipment manufacturer friendly. That means from the start you'll have a truck that can handle more payload and deliver greater uptime for improved profitability.



SPLAYED FRAME RAILS

Splayed frame shape at the front of the chassis allows for lower engine and radiator packaging that optimizes hood slope for increased visibility and safety, as well as improved engine serviceability.

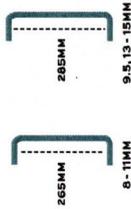


SINGLE-CHANNEL RAILS

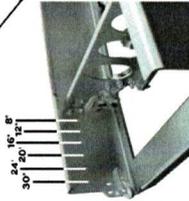
Not only do the X-Series trucks offer the industry's first high-strength single-channel rail rated 3.8 million RBM without an insert, there's also a new, stronger 9.5mm rail that delivers the same RBM rating as an 11mm. 285mm tall instead of 265mm, it saves nearly 100 pounds over the 11mm without sacrificing strength, making it an excellent choice for mixers, as well as vocational tractor applications focused on light weight configurations.

STANDARD ALUMINUM CROSSMEMBERS
Cast aluminum forward, rear suspension and end-of-frame crossmembers are standard across the X-Series vocational lineup to provide greater weight savings.

FRAME HEIGHTS



FRAME	RBM (MILLION POUNDS)
8MM	1.8
9MM	2.0
9.5MM	2.5
11MM	2.5
13MM	3.2
15MM	3.8
15MM WITH 6MM REINFORCEMENT	4.5
15MM WITH 9MM REINFORCEMENT	5.6



FULL PARENT FRONT FRAME RAIL EXTENSION OPTIONS

Multiple parent rail front frame extension options are available, eliminating the need for bolt-on extensions or reinforcements.



EASIER UPFIT

With our proprietary digital frame layout tool, dealers can make sure your truck is spec'd to give truck equipment manufacturers the space they need to help make upfit easier direct from the factory.



HEAVY-DUTY FASTENERS

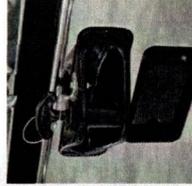
The phosphate-coated Class 10.9 fine-thread fasteners used to secure components to the frame rail offer a high clamp load and don't require maintenance.



ROBUST ROUTING AND CLIPPING

The 47X and 49X feature an all-new robust routing and clipping design, which keeps air lines and wiring harnesses away from the frame, decreasing chaffing and debris build-up for reduced corrosion. Heavy Duty and TEM-dedicated routing and clipping options are available for more complex upfits, allowing additional space to separate and route air lines, harness bundles and more.

FRONT TOW ASSEMBLY OPTIONS



A number of towing device options are available to give you the purpose-built truck you need. They are all mounted directly to the front frame head for incredible strength, allowing you to pull your truck free without damage, even when using a bulldozer – with up to 140,000-lb low capacity for extreme-duty applications like logging, when you have to be pulled out of the mud with a full load.

LEGENDARY DURABILITY



Lightweight, steel-reinforced cab

THE EVOLUTION OF TOUGH.

THE X-SERIES CAB.

Western Star has always set the standard for building some of the toughest and safest cabs around. We continue that tradition with our new X-Series vocational cab. The X-Series cab is engineered to handle the toughest jobs in the most unforgiving environments. Constructed from aluminum and enhanced with steel reinforcements, this new cab is lighter, safer, stronger and more spacious than any Western Star cab before. All of which adds up to a cab that is designed to protect and retain operators while delivering greater payload and uptime.



THE X-SERIES DOOR

Designed as an integral part of the steel-reinforced aluminum cab structure, the new X-Series door is crafted from rugged steel using state-of-the-art tooling to ensure unmatched fit and finish, then galvanized and hem-sealed for complete corrosion resistance. The door is integrated with the cab utilizing forged steel hinges, which were slam tested to simulate 15 years of use so you know it will survive even your toughest days on the toughest jobsites.

STRUCTURAL OPTIMIZATION

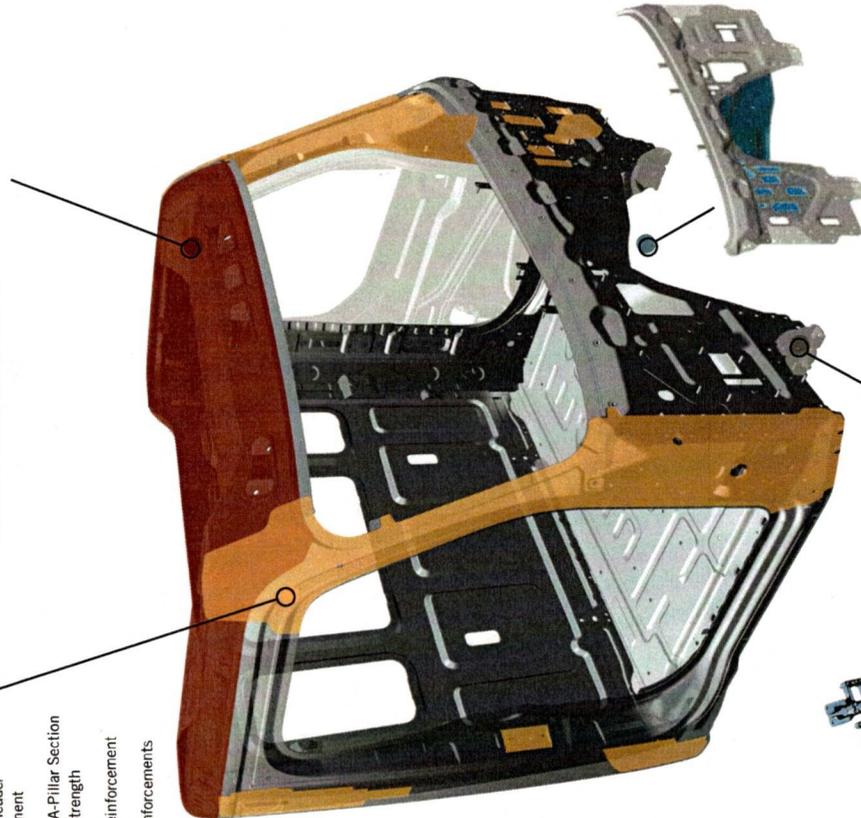
Our engineers use state-of-the-art topology optimization technology to place structural material and reinforcements strategically to minimize weight while maximizing toughness and safety.

- Backwall Header Reinforcement
- Increased A-Pillar Section Size and Strength
- B-Pillar Reinforcement
- Hinge Reinforcements



TRENCH-STYLE LOW ROOF

Composite roof with a lowered center section enables optimized packaging of overcab equipment, giving you a purpose-built vehicle that minimizes overall vehicle height while maximizing interior headroom and door openings.



VOCATIONALLY TUNED CAB MOUNT SYSTEM

The X-Series cab mount system features vocationally tuned cab isolators designed to reduce operator fatigue by providing optimal cab stability, helping deliver the incredibly comfortable ride Western Star is known for.



ENGINE TUNNEL

Quiet Steel® engine tunnel reduces engine noise intrusion into the cab to provide a premium operating environment.

*Quiet Steel is a registered trademark of Material Sciences Corporation

LEGENDARY DURABILITY

Tough by design exterior

DURABLE, LONG-LASTING ALL METAL BRIGHTWORK

- Intake covers
- Grille
- Grille surround
- Sun visor
- Bumper

DUAL STAINLESS STEEL AIR INTAKE COVERS

EASY-ACCESS, GLOVE-FRIENDLY HOOD LATCHES

HOOD REINFORCEMENTS FOR AUXILIARY MIRRORS

DOUBLE-LAYERED, IMPACT-RESISTANT FENDERS

STAINLESS STEEL RADIATOR-MOUNTED GRILLE

ROBUST ALUMINUM RADIATOR

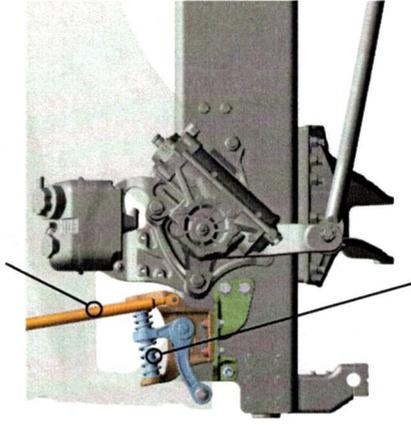
STRUT-ASSISTED HOOD OPENING AND CLOSING WITH STANDARD SAFETY LOCK

STRONGER. LIGHTER.

BETTER. THAN EVER.

The new hoods on the 47X and 49X are engineered to improve durability and performance, as well as provide your operators best-in-class visibility. These new hoods are incredibly strong, thanks to our new molded resin material that's robotically sealed and bonded together for precision-manufactured quality and durability. Each hood is nearly 100 pounds lighter than its previous comparable hood and is designed to resist high impacts to last the life of the vehicle.

HOOD OPENING ASSIST STRUT



ROBUST ISO TECH HOOD SUSPENSION SYSTEM

The all-new Western Star-exclusive ISO Tech Hood Suspension System is purpose-built to isolate the hood from even the most brutal road conditions.

SUPERIOR OPERATOR COMFORT

An interior that's far from ordinary



RISE ABOVE THE EVERYDAY.

DASH

The interiors of the 47X and 49X feature all the comforts that not only let our X-Series trucks stand above the rest, they help make long days a little bit easier. The spaciousness creates an inviting environment, while the insulation, fit and finish improves both sound levels and temperature control. And the ergonomic design puts control and critical information within reach, making even the toughest jobs more manageable. It's the kind of comfort that keeps your operators alert and helps keep your business profitable.

SUPERIOR OPERATOR COMFORT

Spacious, rugged interior

STAY IN COMPLETE CONTROL.

The dash in our new X-Series line of trucks is designed to let operators keep their hands on the wheel and eyes on the road. In addition to easy-to-read gauges, the new instrument cluster features our Driver Command Center, which provides a wealth of information such as gear selection, and gauge readings like oil pressure, as well as fault events and feedback from the Detroit Assurance® Suite of Safety Systems.

The ergonomic wraparound dash not only makes the operator's job easier, it provides a modern look that allows up to 13 total gauges on the dash in addition to the six digital gauges available in the Driver Command Center. Combined with our new integrated steering wheel controls, the X-Series not only helps keep operators alert, it helps keep their eyes and hands right where they need to be.



CONTROLS

Remote mirror and window control switches are within easy reach, located on the door panels for convenience.

MULTI-FUNCTION STEERING WHEEL

The steering wheel features integrated controls for cruise control, Bluetooth phone, and Driver Command Center interaction, allowing operators to safely keep their focus on the job and the road ahead.

FLEXPANEL

Proprietary FlexPanel provides the space and flexibility for TEMs to easily integrate body controls, or for customers to mount tablet devices or add up to 24 switches or up to 10 gauges.

QUICKFIT DASH ACCESS

Located on top of the dash near the windshield to easily route wires to power dash-mounted devices.



HVAC

The new HVAC system in our X-Series trucks is designed to deliver best-in-class performance, reliability and serviceability with five face outlets, four floor outlets and two side window defrost outlets, as well as 10 blower speeds for optimal performance and operator/passenger comfort.



STEERING COLUMN

Fully adjustable to provide a full range of motion for increased operator comfort.



CUPHOLDERS

Three extra-large cupholders are within convenient reach of the operator and designed to hold even the largest beverages.



VOCATIONAL SWITCHES

Rocker-style dash switches are large enough to operate with gloves on, are easy to read with laser-etched graphics and backlighting, and make programming outputs/interlocks easier and upfit faster than ever thanks to our proprietary CHEC Tool.



TRANSMISSION CONTROL STALK

For automated manual and automatic transmission shifting and engine braking functions for safer operation,



PTO CONTROL LOGIC

When the PTO is engaged, you can view your engine speed presets in the Driver Command Center and, using the control buttons in the multi-function steering wheel, change engine speeds with the push of a button.

SUPERIOR OPERATOR COMFORT

Extensive interior options

DESIGN AS INCREDIBLE

AS OUR ENGINEERING.

Western Star trucks have always been known for operator comfort and our X-Series trucks take it to another level. Our Base Interior Package includes a selection of durable materials and ergonomic features to deliver long-lasting beauty and comfort that makes working behind the wheel productive and enjoyable.

Upgrading your 47X or 49X to the Premium Interior Package takes that operator comfort and productivity to even greater heights. The Premium package includes features that make long days a little easier like Laredo leather seat and sleeper upholstery, premium insulation for greater quiet and temperature control, premium LED cab lighting for reduced eye strain, along with accents like bright finish steering wheel switches and dash gauge bezels, premium teak trim accents and more that let operators know they're working with a truck that's far beyond ordinary.

INTERIOR COLOR

X-Series Base



Quarry Grey
Charcoal Black

INTERIOR COLOR

X-Series Premium



Quarry Grey
Charcoal Black
Timber Brown

SEATS

X-Series Base



Charcoal Black
(Vinyl, Cordura
or Mordura)
Quarry Grey
(Vinyl or Mordura)

SEATS

X-Series Premium



Charcoal Black
Quarry Grey
Timber Brown

Available in Mordura cloth (inset) or Laredo Leather and diamond stitching (shown large).



X-SERIES BASE



X-SERIES PREMIUM



PROVEN POWERTRAIN OPTIONS



Components with a long history of performance



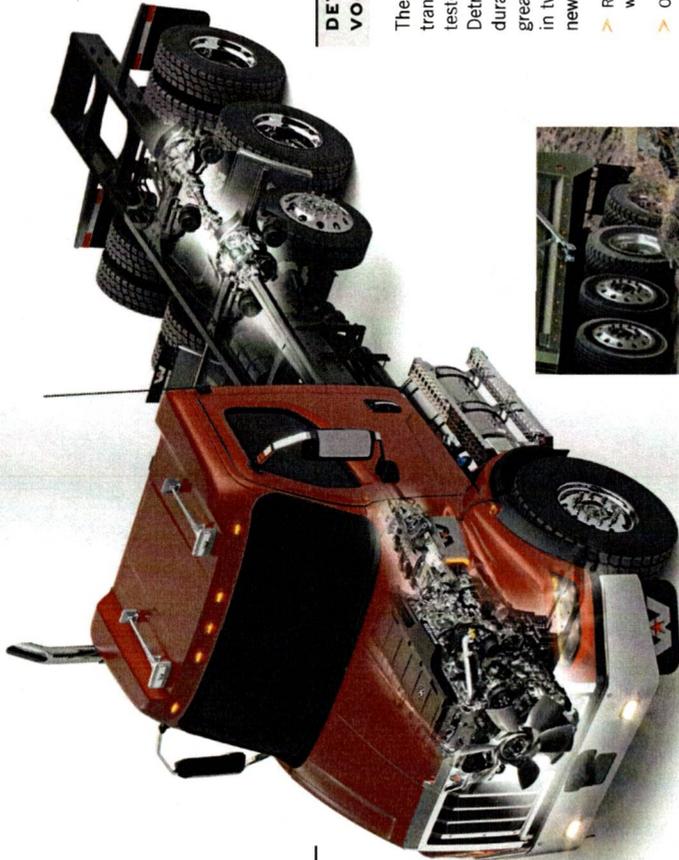
THE POWER

TO GET ANY JOB DONE.

PROFESSIONAL QUALITY WORK TRUCK POWERTRAIN COMPONENTS FROM DETROIT*

Give your X-Series truck added toughness and dependability with enhanced Detroit vocational engine options, new Detroit vocational transmissions and axles, all designed to work together seamlessly for unmatched performance on the jobsite.

- > The Detroit® DD13® Gen 5 and Detroit® DD15® Gen 5, both redesigned with the best in cutting-edge diesel engine technology and engineering for increases in power, durability and productivity with vocational-specific features including new power ratings and improved aftertreatment system to decrease regens
- > The Detroit® DD16®, the industry's only 1.6-liter engine, delivers up to 600 HP and 2,050 lb-ft for demanding applications



DETROIT® DT12® VOCATIONAL SERIES

The new DT12 Vocational Series of automated manual transmissions has been specially engineered and rigorously tested for the unique needs of vocational trucks. Legendary Detroit quality is combined with cutting-edge technology and durable new components like large, robust gearing for even greater dependability. And you'll find this rugged performance in two new models – the DT12-V and DT12-VX – that boast new vocational features including:

- > Rock-Free Mode allows the 49X to free itself from wheel-stuck situations
- > Off-Road Mode enables smooth driving on extreme terrain
- > Power Launch provides powerful takeoffs while protecting the clutch and driveline



ROCK-FREE MODE

ENGINES

47X / 49X

DETROIT® DD13® GEN 5 HORSEPOWER
Up to 525 HP
TORQUE
Up to 1,850 lb-ft



49X

DETROIT® DD15® GEN 5 HORSEPOWER
Up to 505 HP
TORQUE
Up to 1,850 lb-ft



47X

CUMMINS L9 HORSEPOWER
Up to 380 HP
TORQUE
Up to 1,250 lb-ft



47X / 49X

CUMMINS X12 HORSEPOWER
Up to 500 HP
TORQUE
Up to 1,700 lb-ft



49X

DETROIT® DD16® HORSEPOWER
Up to 600 HP
TORQUE
Up to 2,050 lb-ft



49X

CUMMINS X15 HORSEPOWER
Up to 605 HP
TORQUE
Up to 2,050 lb-ft



TRANSMISSIONS

To spec the exact transmission you need, see your nearest Western Star dealer.

47X / 49X

DT12-V Automated Manual Vocational Transmission



TORQUE
2,250 lb-ft
GCW
160,000 lbs
REAR PTO
Yes
SIDE PTO
Yes

49X

DT12-VX Automated Manual Extreme Vocational Transmission



TORQUE
2,500 lb-ft
GCW
330,000 lbs**
REAR PTO
Yes
SIDE PTO
Yes

47X / 49X

EATON FULLER Manual and Automated Manual Transmissions



TORQUE
1,650-2,250 lb-ft
GCW
170,000 lbs**
REAR PTO
Yes
SIDE PTO
Yes

47X / 49X

ALLISON Automatic Transmissions



TORQUE
1,650-1,850 lb-ft
GCW
170,000 lbs**
REAR PTO
Yes
SIDE PTO
Yes

*Application approval required over 160,000 lbs. **Application approval required over 170,000 lbs.

BEST-IN-CLASS SAFETY



The leading-edge technology of Detroit Assurance[®]

THE MOST ADVANCED SAFETY SYSTEMS

SIDE GUARD ASSIST
A game changer for safety in and around busy jobsites, optional Side Guard Assist detects objects in the passenger side blind spot and alerts the operator.



EVER SEEN IN THE VOCATIONAL MARKET.

Technology gets tough in the all-new X-Series, the first Western Star trucks to feature the Detroit Assurance[®] Suite of Safety Systems, the most advanced active safety systems ever offered to the vocational market. From remote logging sites to urban construction sites, Assurance improves safety there and back.

FEATURES OF DETROIT ASSURANCE

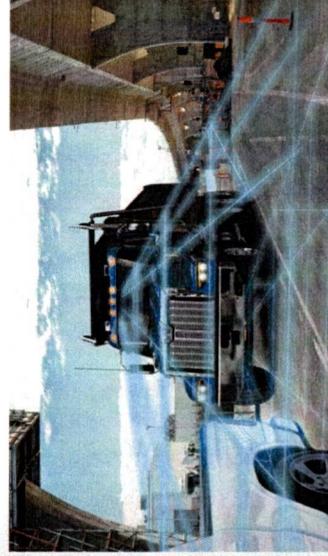
ACTIVE BRAKE ASSIST 5

Active Brake Assist 5 detects distance and speed to moving and stationary objects in its path and determines if braking is necessary. It's the only system on the market that works down to 5 MPH, making it ideal for travel in congested urban areas. It also recognizes pedestrians who are about to cross in the truck's path, alerting the operator while partially braking, followed by full braking if the operator does not react. The market leading ABA 5 has fused a camera and radar, which is cutting-edge technology.

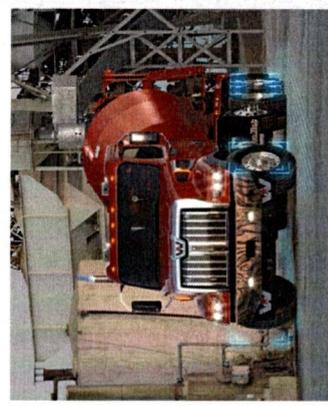


ADAPTIVE CRUISE CONTROL TO 0 MPH AND BRAKE HOLD MODE

Detroit Assurance enables state-of-the-art features that make an operator's workday safer and more comfortable than ever before. On the road, Adaptive Cruise Control to 0 MPH helps ease driving in stop-and-go traffic as well as mitigate front and rear collisions. And on the jobsite, Brake Hold Mode keeps a truck stopped when the driver removes their foot from the brake pedal, or if their foot unintentionally slips off.



- > LANE DEPARTURE WARNING
- > TAILGATE WARNING
- > TRAFFIC SIGN DISPLAY
- > ACTIVE SPEED INTERVENTION
- > AUTOMATIC HEADLIGHTS/WIPERS
- > INTELLIGENT HIGH-BEAMS
- > FORWARD- AND OPERATOR-FACING VIDEO CAPTURE



BEST-IN-CLASS SAFETY

Safe by design



**VISIBLY
DIFFERENT.**

**UNQUESTIONABLY
SAFE.**



THE X-SERIES WINDSHIELD

Our X-Series trucks feature an all-new, one-piece, roped-in windshield, which is 28% larger than our previous version, making it one of the largest windshields in its class. Other features include:

- 24-inch wiper blades that cross over the center of the glass, providing a 37% improved windshield wiper zone
- One-piece, roped-in windshield is easy to replace and needs no curing to replace, increasing uptime

SAFETY

THAT IS EASY TO SEE.

INTELLIGENT LED HEADLIGHTS

Dual Stage Intelligent LED Headlights are designed to last the lifetime of the truck, with no bulbs to replace ever. Plus, they deliver best-in-class visibility and improved safety with:

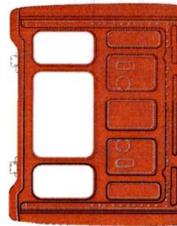
- > Integrated amber daytime running lights to make the truck more visible to oncoming traffic and on the jobsite
- > LED output designed to fully illuminate the road and jobsite, including off to the sides of the vehicle, to reduce eye fatigue while letting operators detect objects sooner
- > Dual-stage heat grid to melt away ice in minutes and, in humid environments, eliminate condensation
- > High-impact polycarbonate lenses with additional hard coating protection to prevent cracking, scratching or damage to the headlight from road or jobsite debris

REAR WINDOW OPTIONS

Rear visibility is also maximized on our X-Series trucks. A large single center rear window is standard with day cabs while our new optional high-visibility three-window configuration increases the rear window area by 77% over our previous models. Optional impact-resistant polycarbonate rear window configurations are available, protecting your truck from road or jobsite debris.



Standard Single Rear Window



Optional Three-Piece Rear Window

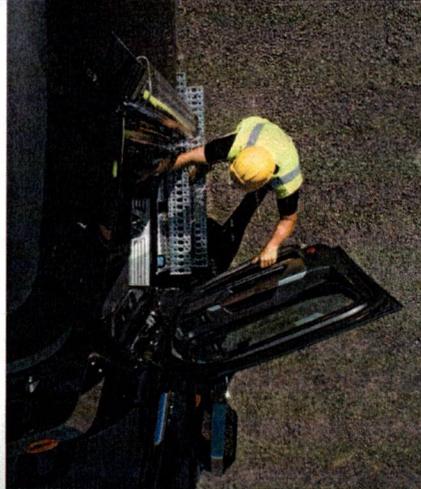


Optional Solid Wall

INGRESS AND EGRESS

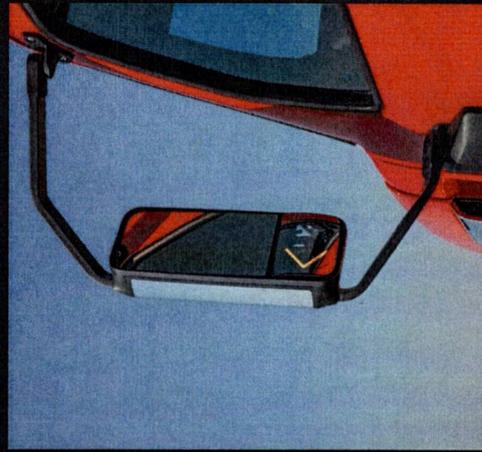
Western Star designed the 47X and 49X with operator safety in mind, which includes getting in and out of the cab. Some of the features to improve ingress and egress safety include:

- > Strategically located grab points and grab handles for safe and comfortable entry and exit
- > Metal scuff plates that define the entry and make the cab easy to sweep out, keeping it debris-free
- > Highly-visible corrosion-resistant aluminum steps one inch larger than previous models
- > Enhanced tread pattern to allow debris to pass through, giving operators a confident foothold when climbing in and out of the truck
- > Improved stair step design to provide operators a confident foothold



STRONG AND STABLE.

FUNCTION THAT'S INCREDIBLY TOUGH.



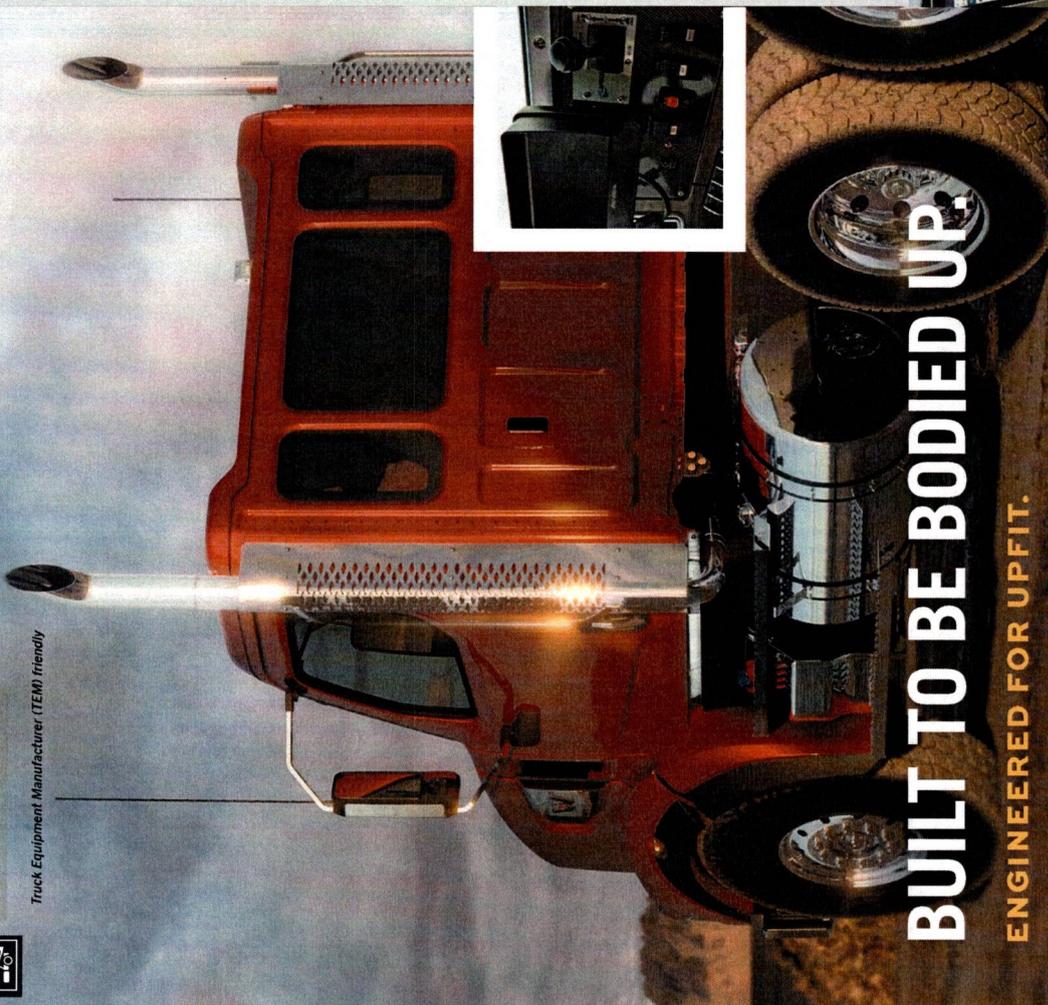
THE C-BAR MIRROR SYSTEM

Visibility is critical, which is why the all-new C-Bar door-mounted mirror arms feature a reduced profile for greater forward visibility for when operators need to see around them. The door and mirror structure was tuned to avoid mirror vibration and deliver a stable image at all times, regardless of vehicle speed or road surface, while also allowing for a wide 70-degree door-open angle. Plus, this reinforced construction, combined with our breakaway feature, means these mirrors can take a hit and not get damaged. All of which means these mirrors improve safety and your bottom line.

DESIGNED FOR UPFIT



Truck Equipment Manufacturer (TEM) friendly



BUILT TO BE BODIED UP. ENGINEERED FOR UPFIT.

The X-Series was designed and engineered with a variety of mid-chassis packaging options, a brand new electrical system and numerous features all to ease body upfit and make accessing wiring and adding controls fast and simple.

QUICKFIT INTERFACE SYSTEM

The electrical system is the hub of any body addition. Our proprietary QuickFit Interface System makes it easier than ever before to integrate truck equipment to the vehicle's electrical power sources. It features an advanced multiplexed electrical system designed for easy Truck Equipment Manufacturer (TEM) interface, programming and access to power.

- All electronic control units are now stored in the cab in the new dash electronic vault or E-vault for easy access
- An auxiliary in-cab backwall mounted E-vault is also available and includes:
 - QuickFit Programmable Controllers
 - QuickFit Connectors
 - QuickFit Interface Connectors
 - Powertrain Interface Connector
 - Body Lighting Interface Connectors (also available back-of-cab or end-of-frame)
 - TEM-specific power distribution module
 - High-current power access
- Additional exterior lighting interface available for snow plow, beacon and utility lights
- Our all new PTO control architecture is designed to simplify complex PTO control logic programming. The sky is the limit for all your logic programming needs, as simple or complex as you want

FLEXPANEL

- Proprietary FlexPanel provides TEMs the space and flexibility to easily integrate body controls, freeing up valuable space between the driver and passenger seats

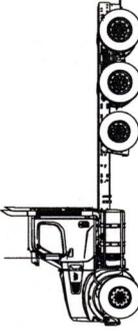


CHEC TOOL

Western Star's CHEC Tool is the interface to the programmable controllers found on X-Series trucks. It enables TEMs and dealers to view and modify electrical configurations, giving them the power to customize inputs and outputs and change parameters within minutes. With the power of QuickFit and CHEC, what was once considered to be complex, expensive or impossible to do can be accomplished more easily and efficiently.

MID-CHASSIS PACKAGING

The X-Series chassis was designed to make it easier than ever to mount bodies for any application.



- The mid-chassis packaging includes features that deliver clear back-of-cab to ensure more efficient body integration. Key mid-chassis packaging features include:
- Forward-mounted DEF tanks in 8-, 13-, and 23-gallon capacities
 - Standard in-cab battery box to optimize frame space. Between rails or frame-mounted boxes also available
 - Variety of air tank mounting options available, including below battery box, inside or below frame rail, or perpendicular to the frame
 - 25-inch diameter fuel tanks are available from 60 to 150 gallons and can be mounted on either side, forward or aft
 - 60-, 80- and 90-gallon rectangular left-hand fuel tanks with raised mounting available for belly plow applications
 - Factory-installed split hydraulic/fuel tanks available to save upfit time and maximize frame space
 - Updated standard air dryer mounting location clears up frame space behind the cab

ALL 47X AND 49X TECHNICAL DETAILS CAN BE FOUND IN THE TECHNICAL RESOURCE GUIDE (TRG). FOR ACCESS TO THE TRG, LOG ON TO DTNACONNECT.COM.

PURPOSE-BUILT

Customizable factory options



BUILT FOR ONE JOB.

YOURS.

Both the 47X and 49X are purpose built, with hundreds of options to help you build exactly the truck you need.



Dual Removable Tow Hoops
80,000 lbs



Center Tow Pin
80,000 lbs



High Capacity Center Tow Pin
140,000 lbs

PTOs

The wide selection of engines and transmissions means you can spec the right combination of PTOs – FEPTO*, REPTO and transmission-mounted PTOs – which allows you to install the equipment you need on your X-Series truck.

*Available early 2022

AIR CLEANER OPTIONS

The optional pre-cleaner removes a majority of particulates out of the air before entering the primary air cleaner, extending filter life and service intervals in off-road environments. Optional snow doors are available to pull intake air from underhood when conditions may cause side air intakes to plug with snow or ice.

TOOL BOXES

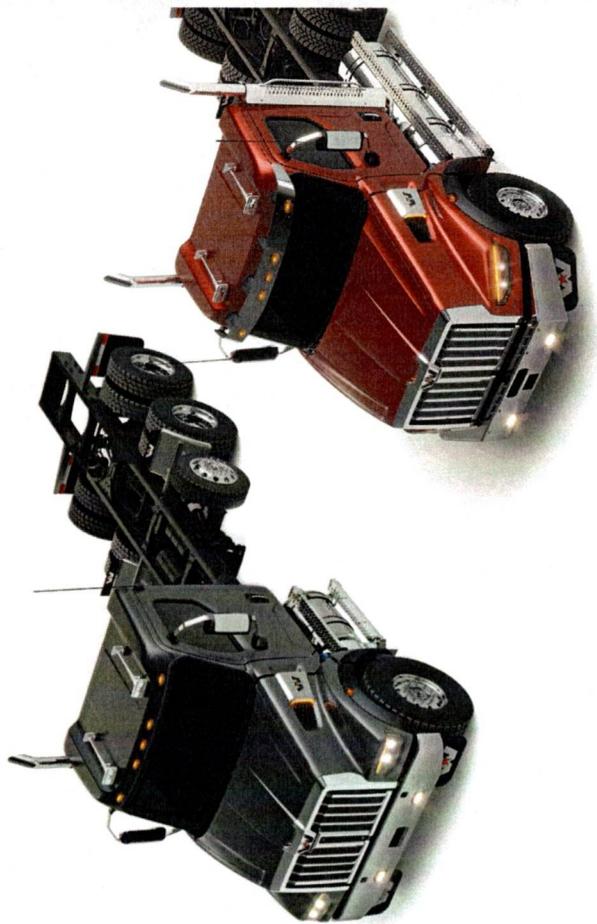
Locking tool boxes are offered in 18", 24", and 34-inch widths. They're constructed from durable, lightweight aluminum and can be ordered with plain, polished or diamond plate finish covers.

BUMPERS

Our X-Series trucks offer three bumper styles in various finishes and thicknesses, as well as a boxed-in bumper with an optional grille guard for logging applications. A bumper mounting position specifically designed to optimize packaging to meet bridge laws, shortening BBC to 110.8", is available.

FRONT TOW DEVICES

There are a number of towing device options mounted directly to the front frame head for increased strength and durability with ratings from 80,000-140,000 lbs.



TANKS

FUEL TANKS

25" diameter, 60-150 gallons
Side, fore or aft mounted

Fuel/hydraulic combo tanks also offered

60-, 80- and 90-gallon rectangular left-hand fuel tanks with raised mounting available for belly plow applications

DEF TANKS

8-, 13-, and 23-gallons

Mounted in the most forward position, regardless of size

EXHAUST OPTIONS

Single right-hand cab-mounted vertical exhaust (standard)

Single right-hand mid-chassis-mounted horizontal exhaust

Dual cab-mounted vertical exhaust

Dual frame-mounted vertical exhaust

Back of cab, frame-mounted vertical ATS with topsiack

Right-hand outboard under-step-mounted horizontal

aftertreatment system with horizontal exhaust

AXLES CONFIGURATIONS

STEER AXLES

Detroit* and Meritor – 12,000-23,000 lbs

Detroit* Twin Steer Tandem – 40,000 lbs

REAR DRIVE AXLES

Detroit*, Meritor and Dana

Single – 21,000-30,000 lbs

Tandem – 40,000-60,000 lbs

Tridem – 69,000-78,000 lbs

PUSHER AND TAG AXLES

Steer and Non-Steer – 8,000-25,000 lbs

REAR SUSPENSIONS

AirLiner*, JufTrac, Chalmers, Hendrickson and Neway are available

Single – 21,000-30,000 lbs

Tandem – 40,000-70,000 lbs

Tridem – 69,000-78,000 lbs

SUPERIOR OPERATOR COMFORT

Multiple sleeper options

KEEP OPERATORS COMFORTABLE

AND KEEP THEM ON YOUR TEAM.

Operator retention is important for any business, and the new sleeper options on the X-Series line of trucks are designed to keep them both comfortable and happy. From our new trench-style Low Roof to our X-Series Stratosphere High Roof, every sleeper gives operators the space, the features and the amenities that allow them to relax and recharge.

X-SERIES SLEEPER

TRENCH-STYLE LOW ROOF SLEEPER*



47X: Available in 36"
49X: Available in 36"

MID ROOF SLEEPER



47X: Available in 36", 48"
49X: Available in 36", 48", 60" and 72"

STRATOSPHERE HIGH ROOF SLEEPER



47X: Not available
49X: Available in 72"



36" Low Roof



48" Mid Roof



60" Mid Roof



72" Stratosphere High Roof



*Available late 2021

SUPERIOR OPERATOR COMFORT

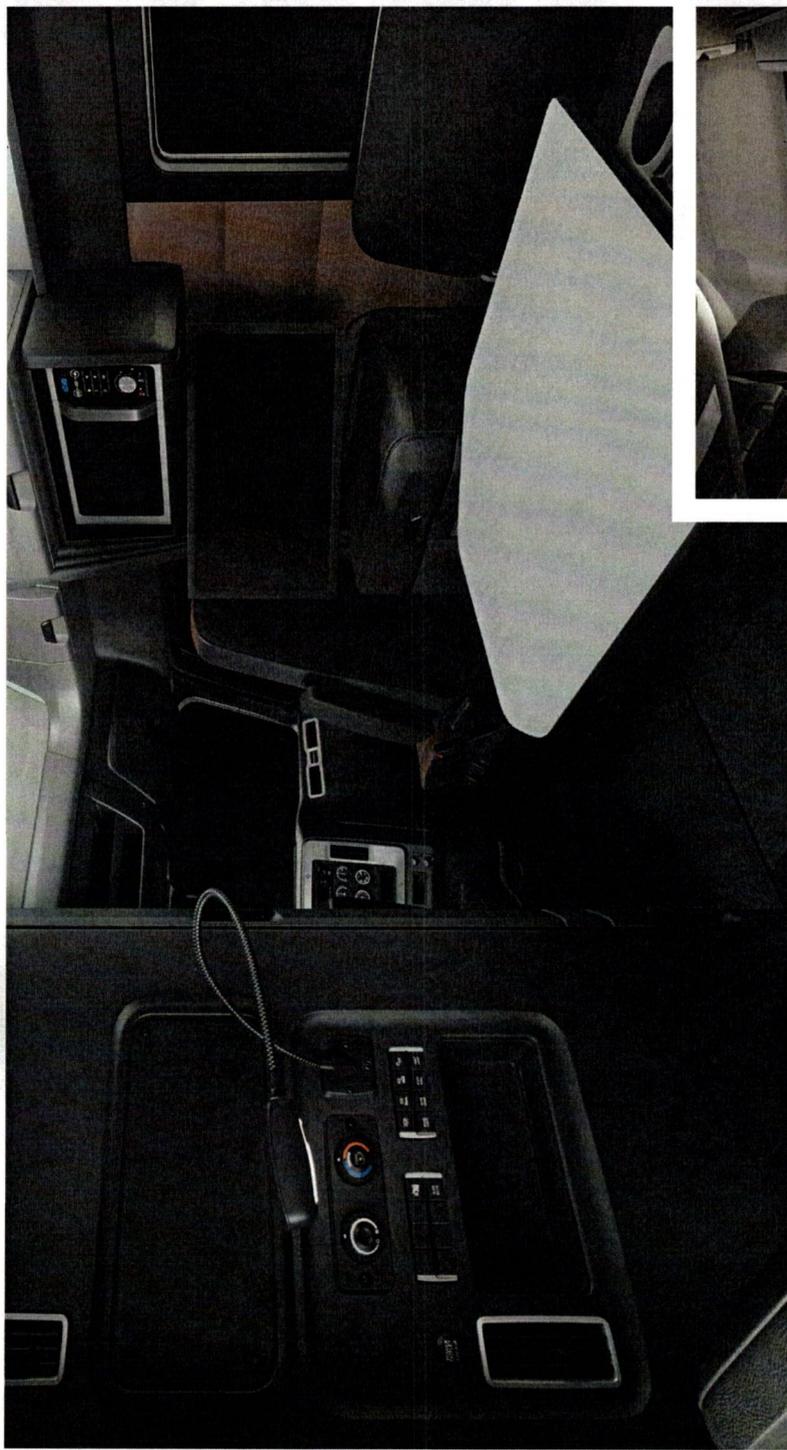
Sleeper features and systems



DESIGNED FOR GREATER COMFORT AND PRODUCTIVITY.

There are a number of features and options in the new X-Series sleepers that give operators the living and working space they need when they're on the road to help them rest so they're alert and engaged behind the wheel. Depending on the configuration you choose, some of the amenities include:

- > A comfortable double-bunk option with space-saving telescoping ladder
- > Large sidewall sleeper window insulated for comfort can be tilted out for venting
- > LED Premium Ambient Overhead Sleeper Lighting with dimmer on 72-inch models provides indirect illumination making activities like reading, updating logs or computer work easier
- > Optional operator's loft with dinette/work table that can be folded flat to allow full bed mattress comfort
- > Both side access and baggage doors added for easier access and greater storage



- > Reading light to make sleeper tasks easier while saving battery life
- > Bunk storage lip to reduce likelihood of storage items moving during transit
- > Large passenger- and operator-side storage cabinets
- > Spacious wardrobe cabinet with four inches of additional hanging length
- > Conveniently located microwave cabinet built to accommodate standard appliances
- > Large refrigerator with matching cabinetry or the option to supply your own refrigerator
- > Swiveling flat-panel TV bracket that can support up to a 26-inch screen
- > Multiple DC power outlets
- > A variety of powerful inverter and inverter pre-wire options for AC-powered items
- > Enhanced HVAC for better climate control in bunk area
- > New Idle-Free Dual HVAC system option that provides up to 10 hours of cooling or 34 hours of heating when parked
- > New rear window option

MAXIMIZED UPTIME

Extensive parts and service support

TOUGH TRUCKS. BACKED BY EVEN STRONGER SUPPORT.

Your trucks are a big investment. That's why we make sure you have the factory support you need to succeed.

24-HOUR REPAIR

We work to deliver 24-hour repair turnaround with 1,100 Daimler Trucks North America dealer network and partner service locations to assist you, including more than 300 Elite Support locations that handle more than 80% of our parts and service volume.

PARTS AVAILABILITY

Western Star is your one-stop solution for parts and service. In addition to our service locations, we have 10 Parts Distribution Centers across North America that carry a wide selection of Western Star, Reman and Alliance parts. And with an average delivery time of 12 hours or less on more than 90% of parts orders, your truck will be back on the road fast.

ADVANCED TECHNOLOGY

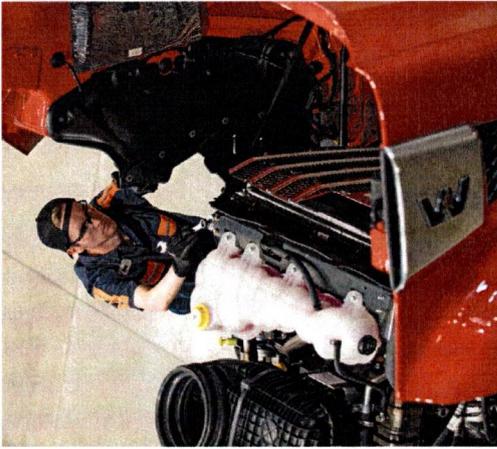
We invest in technology that can keep your trucks working and working longer. And that goes well beyond technology like Detroit Connect®. With Western Star, you get a full suite of uptime management services and technology to get your trucks back working as soon as possible.

At your dealer, you'll experience applications like Uptime Pro, Express WriteUp, Techlane™ and Service Tracker which work together to get you checked in quickly, diagnosed quickly and back on the job quickly. And if you perform regular maintenance yourself, AcceleratorSM is our new e-commerce platform that lets you search, find and buy parts all in one place for ease of use and reduced downtime. At Western Star, even our technology works hard.

YOU'RE COVERED

Strong support also means having a strong warranty. And Western Star trucks are backed by one of the strongest standard warranties in the business.

Extended coverage plans for your truck chassis are designed to reduce downtime and costly repairs by extending protection for time and mileage above and beyond the factory warranty period. Multiple plans are available for up to seven years/250,000 miles for vocational applications or six years/600,000 miles for on-highway.



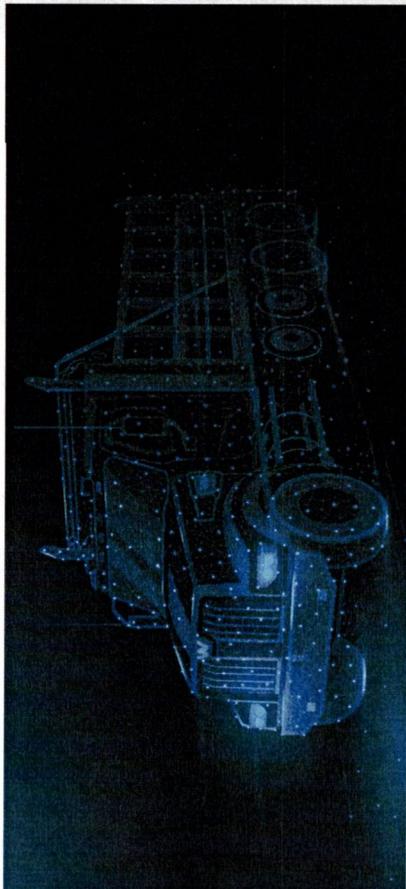
MAXIMIZED UPTIME



Detroit Connect®



DETROIT
CONNECT



PUT THE POWER OF DATA TO WORK.

The 47X and 49X make a big advancement in productivity with the Detroit Connect® suite of connected vehicle services, which translates vehicle performance data into real-time information you can use to keep your trucks on the jobsite and out of the shop.

DETROIT CONNECT VIRTUAL TECHNICIAN™

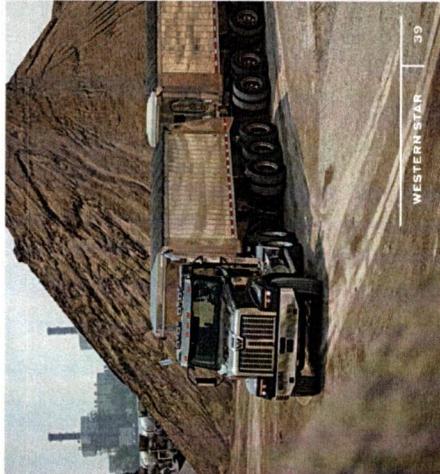
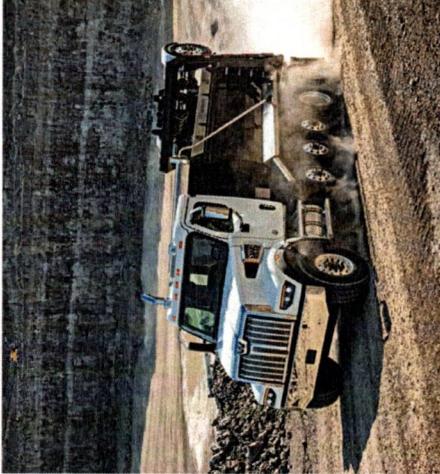
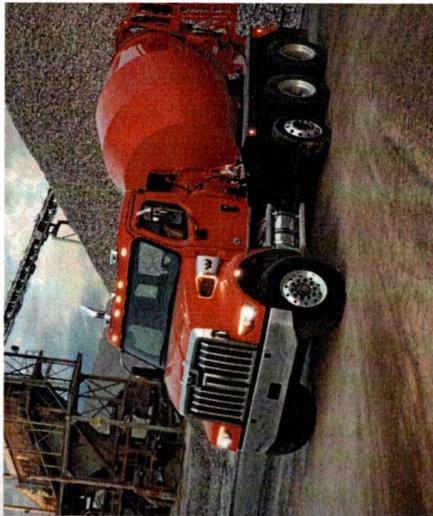
Standard on any Detroit® engine, Virtual Technician remote diagnostic service on the your X-Series truck helps increase uptime. If your truck experiences a fault, Virtual Technician sends you an alert, notifying you of the severity of the fault and how to fix it. Parts can even be ordered ahead of time, so your trucks spend less time in the shop. It's like having a team of experts from Detroit at your fingertips, working to keep your trucks on the job.

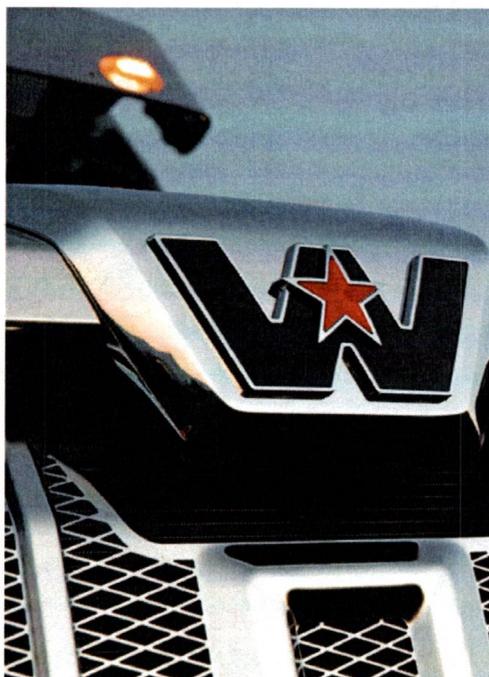
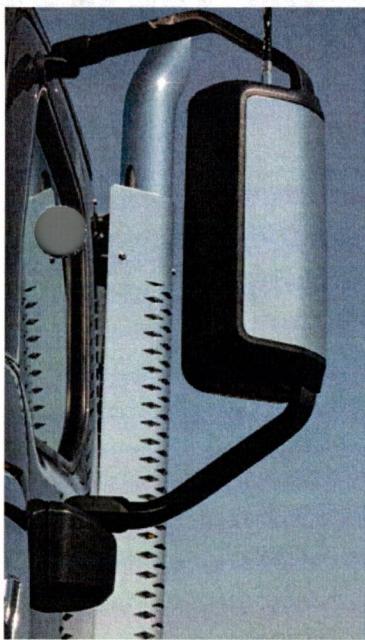
DETROIT CONNECT PORTAL

The Detroit Connect Portal gives you real-time truck data to make informed decisions about service, helping reduce downtime. This powerful tool offers a holistic view of your vehicle's fault codes and allows you to track fleet trends, giving you the power to plan for scheduled service.

LEARN MORE ABOUT
DETROIT CONNECT AT

DEMANDDETROIT.COM





FOR THE WESTERN STAR DEALER NEAREST YOU, CALL 866-850-7827
 WESTERNSTARTRUCKS.COM

**QUALITY BUILT
 IN THE USA**

Cleveland, NC Portland, OR

DAIMLER | Western Star - A Daimler Group Brand

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Time and Distance Table

1.1 Western Star Vocational

<i>Vocational coverage is available for vehicles in these vocations:</i> Any	
Category Determinants	
Road Surface - most severe in-transit between sites	Up to 30% off-highway rough, maintained concrete/asphalt; maintained gravel/crushed rock; maintained dirt or soft soil (Class C or D roads) ¹
Gross Combined Weight Rating	140,000 lb/63 505 kg or less -Doubles on NY turnpikes are rated 143,000 lb -Doubles on FL turnpikes are rated 147,000 lb
Axles and Manufacturer's Gross Vehicle Weight Rating	
2-Axle Unit	48,000 lb/21 772 kg or less
3-Axle Unit	68,000 lb/30 844 kg or less
4-Axle Unit	88,000 lb/39 916 kg or less
5-Axles or More	98,000 lb/44 452 kg or less

¹ Class C roads have a natural surface and may be either constructed or established over time by repeated passage of vehicles. The natural surface may be dirt, sand, or rock. A minimal amount of maintenance, if any at all, is limited primarily to spot surface grading to allow vehicle passage within the original road corridor. Class D roads are primitive roads that were not constructed but have been established over time by the passage of motor vehicles. These roads receive no maintenance or grading.

Coverage ²		
Description	Time ³	Distance ³
Basic Vehicle	1 Year	Unlimited
Batteries (Low Voltage)	1 Year	100,000 mi/161 000 km
Brightwork	6 Months	Unlimited
Cab Corrosion/Perforation	5 Years	Unlimited
Cab Structure	5 Years	Unlimited
Corrosion	6 Months	Unlimited
Crossmembers	5 Years	Unlimited
Detroit Assurance ⁴	3 Years	300,000 mi/483 000 km
Emission Regulations ⁵		
CARB 2022 (Medium Heavy Duty Trucks) ⁶	5 Years	150,000 mi/241 500 km
CARB 2022 (Heavy Heavy Duty Trucks) ⁶	5 Years	350,000 mi/563 500 km
Diesel Emission 2010 ⁷	5 Years	100,000 mi/161 000 km
GHG21 (Medium Heavy Duty to Heavy Heavy Duty Trucks/Tractors) ⁸	5 Years	100,000 mi/161 000 km
GHG21 Tire (File Direct) ⁸	2 Years	24,000 mi/38 400 km
Frame Rails	5 Years	Unlimited
Front/Steer Axle ⁹		
Detroit ¹⁰	3 Years	300,000 mi/483 000 km
Non-Detroit	2 Years	100,000 mi/161 000 km
Paint	1 Year	100,000 mi/161 000 km
Paint, Chassis	6 Months	Unlimited
Rear Axle ¹¹		
Detroit ¹⁰	3 Years	300,000 mi/483 000 km
Non-Detroit	2 Years	100,000 mi/161 000 km
Towing/Roadside Assistance ¹²	1 Year	Unlimited

DISCLAIMER: Failure to read or distribute this information does not provide exemption from compliance with the information contained herein. Specifications are subject to change without notice. Intended for general information only, not offered as customer's Warranty.

Coverage ²		
Description	Time ³	Distance ³
Transfer Case	2 Years	100,000 mi/161 000 km
Transmission ¹³		
Detroit DT-12 ¹⁰	2 Years	Unlimited
Non-Detroit	2 Years	100,000 mi/161 000 km

² Because Warranty coverage is determined by a unit's specifications, gross combination weight rating, road surface, and vocation, coverage may vary. For unit-specific coverage, Dealers should enter a product serial number or vehicle identification number on the *Coverage Info* screen in OWL; for customers without access to OWL, see ordering Dealer for more information.

³ Time or distance, whichever comes first.

⁴ Applies if units spec'd with Detroit Assurance.

⁵ See *Emission Regulations* subsection that follows or separate engine owner's manual for regulatory information.

⁶ Applies to products spec'd with CARB engine and domicile certification codes.

⁷ Applies to vehicles equipped with EPA 2010 compliant diesel engines.

⁸ GHG21 applies to units built on or after January 1, 2021. Units built prior to January 1, 2021, have GHG14/GHG17 coverage, respectively.

⁹ Customers will have only one (1) type of front/steer axle coverage, either Detroit or non-Detroit, depending on how the unit is spec'd. Front axle coverage is also applicable to gliders.

¹⁰ Access Detroit parchments at *DTNA Portal > Coverages > Detroit*; for customers without access, see ordering Dealer for more information.

¹¹ Customers will have only one (1) type of rear axle coverage, either Detroit or non-Detroit, depending on how the unit is spec'd.

¹² Up to a maximum of \$550 per occurrence.

¹³ Customers will have only one (1) type of transmission coverage, either Detroit or non-Detroit, depending on how the unit is spec'd. Detroit coverage may vary due to vocation, unit specifications, etc.; table shows the minimum coverage possible. For instructions on accessing unit-specific coverage, please see footnote 2 above.

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Coverage Descriptions

Based on a unit's specifications, New Product Limited Warranty (Warranty) coverage applies. For unit-specific coverage information (time/distance amounts and component descriptions), enter a product serial number or vehicle identification number (VIN) on the *Check Info/Check Coverage* screen in Online Warranty Link (OWL). Use time and distance tables in conjunction with the coverage description paragraphs; if a coverage is applicable, it will be included as a row in the table.

2.1 Axles

Front/Steer Axle

Detroit

A steer axle is non-powered. Coverage includes all axle components supplied/manufactured by Detroit Diesel Corporation (Detroit). Warrantable components could include, but not be limited to, I-beam, steering knuckles, spindles, kingpins, kingpin bearings, and steering arms. Tie rod assembly and boots may have a different coverage period; see specific coverage row. *Excluded components could include, but not be limited to, wheel end equipment and steering linkage components.*

Non-Detroit

A front/steer axle can be a front powered or non-powered axle. Coverage applies to factory-installed axles and includes I-beam, steering knuckles, differential on drive steer axle, spindles, kingpins, kingpin bearings, and steering arms. *Excludes wheel end equipment, tie rod ends, steering linkage components, driveline(s), U-joints, kingpin bushings, kingpin seals, tag axle(s), pusher axle(s), and any axle installed by a service location or body builder.*

Pusher Axle

A pusher axle is a non-driven, weight-bearing axle that can be raised when not required to bear a portion of the load. Since the pusher axle can be of many different configurations, Warranty coverage applies to factory-installed axles and includes all components included in the individual build specification of each individual application. *Excludes any axle installed by a service location or body builder.*

Rear/Drive Axle

Detroit

A rear drive axle can be a single or tandem axle configuration. Coverage includes all axle components supplied/manufactured by Detroit. Warrantable components could include, but not be limited to, axle housing, carrier assembly, differential assembly, power divider, and axle shafts. Seals and gaskets may have a different coverage period; see specific coverage row. *Excluded components could include, but not be limited to, suspension and torque rod brackets, wheel end equipment, wiring, yokes, and attaching hardware.*

DISCLAIMER: Failure to read or distribute this information does not provide exemption from compliance with the information contained herein. Specifications are subject to change without notice.

Non-Detroit

A rear axle could be a drive, non-drive, or tandem axle. Coverage applies to factory-installed axles and includes axle housing, carrier assembly, differential assembly, power divider, axle shafts, and gaskets and seals. *Excludes suspension and torque rod brackets, tie rod ends, wheel end equipment, wiring, yokes, driveline(s), U-joints, attaching hardware, tag axle(s), pusher axle(s), and any axle installed by a service location or body builder.*

Tag Axle

A tag axle is a non-driven, continuous weight-bearing axle. Since the tag axle can be of many different configurations, Warranty coverage applies to factory-installed axles and includes all components included in the individual build specification of each individual application. *Excludes any axle installed by a service location or body builder.*

2.2 Basic Chassis/Vehicle

Note: Basic Chassis applies to units without a factory-installed cab, usually Freightliner Custom Chassis Corporation (FCCC) products. Basic Vehicle applies to units with a factory-installed cab, usually Freightliner and Western Star products.

Coverage includes all factory-installed components of the chassis/vehicle that are not excluded elsewhere in the Warranty or described as having a different time, or distance, or hours, or listed separately on each new vehicle coverage table. See the Warranty Manual for a complete list of exceptions and exclusions. Also excluded are components warranted directly by component manufacturer.

2.3 Batteries (Low Voltage)

Cranking Batteries

Coverage applies to these brands: Alliance, East Penn labeled as Alliance, Detroit, DTNA Genuine, and EnerSys (NorthStar, Odyssey); claims for all other brands must be submitted directly to the supplier. Cranking battery warranty includes factory-installed cranking (starter) battery assemblies only. *Excludes APU battery assemblies, battery cables, battery mounting box, and hardware.*

Auxiliary Batteries

Coverage applies to these brands: Alliance, East Penn labeled as Alliance, Detroit, DTNA Genuine, and EnerSys (NorthStar, Odyssey); claims for all other brands must be submitted directly to the supplier. Auxiliary battery warranty includes factory-installed APU battery assemblies only. *Excludes cranking (starter) battery assemblies, battery cables, battery mounting box, and hardware.*

2.4 Brightwork

Coverage includes all factory-installed components with chrome, polished aluminum, or polished stainless steel surfaces. *Excludes any damage to backside of bumpers, and concealed or inner surfaces.*

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2.5 Cab Corrosion/Perforation

Coverage is limited to rust-through or perforation of the cab and integral sleeper structure and sleeper box due to corrosion from within. *Excludes all conditions of rust or corrosion that have not resulted in rust-through or perforation as well as surface rust or corrosion caused by non-adhesion and any damage to paint such as chips or scratches.*

2.6 Cab Structure

Coverage includes cab and integral sleeper structural components, structural components of factory-installed sleeper boxes, sheet metal panels, doors, and hoods. *Excludes all bolt-on components including door and hood hinges, latches, guides, and other mounting hardware.*

2.7 Corrosion

Coverage includes Warranty against corrosion to any metal or metal alloy part of the vehicle.

Excludes:

- Corrosion caused by general rust (e.g., rust on the unfinished backside of a bumper)
- Surface rust caused by chips or scratches in the paint or chrome surfaces
- Corrosion caused by severe wash solutions, cleaning solvents, detergents, compounds
- Corrosion caused by salinity in the environment or corrosive salts and/or chemicals used on the road surface
- Corrosion due to improper use, misuse, or abuse, negligence, including improper or insufficient maintenance
- Corrosion due to ocean spray
- Corrosion due to environmental damage, including airborne fallout (includes chemicals, tree sap, etc.), or other atmospheric conditions, or other acts of nature
- Corrosion due to damage caused by high-pressure washing
- Corrosion caused by acid rain or other industrial fallout
- Corrosion due to improper prevention measures during storage or use
- Corrosion or rust on tone rings, rotors, or drums

2.8 Crossmembers

Coverage includes crossmembers, gussets, and huck-mounting bolts that attach gussets to crossmembers and gussets/crossmembers to frame rails. *Excludes any bolt-on item attached with either conventional or huck bolts.*

2.9 Detroit Assurance

Coverage includes these factory-installed components: radar sensor, camera, wiring harness, and video radar decision unit (VRDU) controller. *Excludes connecting components to the vehicle or mating systems.*

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2.10 Frame Rails

Coverage is limited to breaking or cracking of factory-installed frame rails, frame rail liners, frame rail extensions, and any item(s) factory welded to them. *Excludes all bolt-on items attached with either conventional or huck bolts.*

2.11 Glider

A glider is a vehicle that may be ordered without major components. Coverage includes all components identified on the build specification.

2.12 Paint (Body, Cab, Cowl)

Body Paint

Coverage includes all factory-painted exterior body surfaces and defects such as orange peel, peeling/delaminating, cracking/checking, or loss of gloss due to cracking, checking, or hazing. *Excludes lack of gloss issues on vehicles painted with low gloss colors; the undersides of hoods and roofs and side mounted air fairings; and any damages to the paint or painted surface such as chips and scratches.*

Cab Paint

Coverage includes all factory-painted surfaces (except those included in chassis paint coverage) and defects such as orange peel, peeling/delaminating, cracking/checking, or loss of gloss due to cracking, checking, or hazing. *Excludes lack of gloss issues on vehicles painted with low gloss colors; the undersides of hoods and roofs and side mounted air fairings; and any damages to the paint or painted surface such as chips and scratches.*

Cowl Paint

Coverage includes all factory-painted exterior surfaces of cowl structure (except those included in chassis paint coverage) and defects such as orange peel, peeling/delaminating, cracking/checking, or loss of gloss due to cracking, checking, or hazing. *Excludes lack of gloss issues on vehicles painted with low gloss colors; the undersides of hoods and roofs and side mounted air fairings; and any damages to the paint or painted surface such as chips and scratches.*

2.13 Paint (Chassis)

Coverage includes all factory-painted surfaces on frame rails, crossmembers/gussets, front and rear bumpers, suspension components, powertrain components, drivelines, fuel tanks, air tanks, wheel end equipment, tool boxes, battery boxes, access steps, attaching brackets and hardware, and defects such as peeling or non-adhesion. *Excludes U-joints and any damages to paint or painted surface such as chips and scratches.*

2.14 Towing/Roadside Assistance

Coverage may include emergency roadside assistance or towing to the nearest Authorized Service Facility for a warrantable repair in a vehicle-down situation that prevents the safe and lawful operation of the vehicle. Verify

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coverage on the *Coverage Information* screen in OWL; coverage will display as a separate category. If the customer requests towing to a location beyond the distance to the nearest Authorized Service Location, the customer will be responsible for the additional charges.

2.15 Transfer Case

Coverage includes housing and all internally lubricated parts. *Excludes broken synchronizer pins, power take-offs (PTOs), airlines, gauge, clutch assemblies, driveline(s), and U-joints.*

2.16 Transmission

Detroit

Coverage includes all transmission components supplied/manufactured by Detroit. *Excludes maintenance items.*

Non-Detroit

Coverage does not include Allison transmissions or Eaton Hybrid transmissions. Coverage includes housing and all internally lubricated parts, electric/air shift/control units, valves, gaskets, and seals. *Excludes broken synchronizer pins, PTOs, airlines, gauge, clutch assemblies, driveline(s), and U-joints.*

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New Product Limited Warranty Statements

The following section outlines standard Limited Warranty (Warranty) statements for all new Daimler Truck North America LLC (DTNA; Company) products sold by DTNA and domiciled in the USA (50 states and Washington, D.C.) and Canada. As necessary, information below may be divided by DTNA product type; this information is also included in the applicable Owner's Warranty Information Booklet.

Based on a product's specifications, Warranty coverage varies. For product-specific coverage information (time/distance amounts and component descriptions), enter a product serial number or vehicle identification number (VIN) on the *Coverage Information* screen in the OWL. General time/distance amounts and coverage descriptions are available by DTNA brand at [DTNA Portal](#) > [Coverages](#).

3.1 New Vehicle Limited Warranty Statement

Under this New Vehicle Limited Warranty, DTNA warrants that each new vehicle will be free from defects in material and workmanship that occur under normal use within the applicable Warranty period, subject to certain limitations and exclusions as specified in this document.

This Limited Warranty applies only to new vehicles sold by an Authorized DTNA Service Location or ordered directly from DTNA; vehicles sold at auction or as a result of repossession retain the Warranty coverage from the original in-service date or factory invoice date if the vehicle has not been warranty registered.

DTNA reserves the right to reduce or remove coverage on vehicles in salvage condition.

This Warranty covers all components and parts unless specifically covered by other warranties or otherwise excluded by this document.

3.2 New Powertrain Component Statements

Engine components are covered by two types of warranties, the standard Limited Warranty and the Emission Control Systems Warranty, a requirement of the U.S. (Federal) Clean Air Act and Canada Motor Vehicle Safety Act. Axle and transmission components are covered by the standard Limited Warranty.

New Powertrain Component Limited Warranty

The New Product Limited Warranty covers product repairs to correct any malfunction occurring during the Warranty period resulting from defects in material or workmanship. This Limited Warranty applies to the first retail purchaser and subsequent retail owners during the applicable Warranty period of new powertrain components manufactured by Detroit Diesel and/or supplied by Detroit Diesel or Detroit Diesel of Canada Limited (all which are collectively referred to as Detroit), subject to certain limitations and exclusions as specified in this document.

The Warranty period begins on the date the product is delivered to the first retail purchaser or put in use prior to sale at retail, whichever occurs first, and ends at the specified time or distance limits.

The cost of service supplies which are not reusable due to needed repairs is covered by this Warranty. Reasonable towing costs to the nearest authorized service facility are covered when due to warrantable failure, the powertrain component is either inoperable, cannot be safely operated, or continued operation would cause further damage to the product. Detroit will pay reasonable travel expenses for the repairing mechanic to travel to and from the repair site.

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Engine Major Component Warranty Coverage

Engine major component warranty covers casting defects. Casted engine major components are: cylinder block/head, crankshaft, camshaft, main bearing bolts, flywheel housing, connecting rod assemblies, oil cooler housing, oil coolant module casting, water pump housing, and air inlet housing. Coverage is for the failed engine major component only; labor and additional parts are excluded. Progressive damage is limited to only the engine major component(s) affected by the failure.

Engines used in the on-highway application may carry longer coverage on engine major components; review the applicable Warranty parchment for coverage:

- MBE4000, Series 60, DD13, DD15, DD16 diesel fueled engines in on-highway applications (on-highway refers to a truck or coach designed and used to carry passengers and/or cargo, primarily on streets or paved highways)

Emission Control Systems Warranty

For detailed information about product compliance with U.S. and Canadian law regarding design, build, and equipment, see the [Emission Regulations \(Diesel Vehicles\)](#) section. Please note that emission-related components no longer covered under the Limited Warranty described above may still be covered under the Emission Control Systems Warranty.

Certified Engines and Engine Parts

The Warranty period shall begin on the date the vehicle is delivered to the first retail purchaser or, if the vehicle is first placed in service as a demonstrator prior to sale at retail, on the date the vehicle is first placed in such service. Emission related defects in the genuine Company components listed in the [Emission Regulations \(Diesel Vehicles\)](#) section, including reasonable related diagnostic costs, are covered by this Warranty.

Covered components and component terminology varies from engine to engine. Some scheduled maintenance is required (refer to the Owner's Emission Control Maintenance Service Chart which is included in the Warranty Information booklet). Please check the specific Warranty Information Booklet to determine which components are covered by the emissions control systems warranty.

Service Locations should refer to the applicable Engine Warranty Information booklet to determine if a particular component is covered by the Emission Control Systems Warranty, as the components covered differ on each engine type as well as from year to year.

3.3 Limitations

This Warranty does not apply to products that are sold or domiciled outside of the United States (50 states and Washington, D.C.) or Canada.

This Warranty does not apply to non-Detroit engines, Allison transmissions, tires, or other components or parts that are not manufactured by Company and that are warranted directly by their respective manufacturers. Progressive damage caused by these manufacturers' components to any other parts including, but not limited to, parts installed by Company is excluded from Company warranty coverage. With respect to the foregoing, Company makes no Warranty whether express, implied, statutory or otherwise including, but not limited to, parts installed by Company is excluded from Company Warranty coverage. With respect to the foregoing, Company makes no Warranty whether express, implied, statutory, or otherwise including, but not limited to, any Warranty of merchantability or fitness for a particular purpose.

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THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES OF ANY KIND WHETHER WRITTEN, ORAL, OR IMPLIED INCLUDING, BUT NOT LIMITED TO ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY SPECIFICALLY EXCLUDES ANY OTHER WARRANTIES OR CONDITIONS PROVIDED FOR BY LAW, WHETHER STATUTORY OR OTHERWISE.

COMPANY'S SOLE OBLIGATION UNDER THIS WARRANTY SHALL BE TO REPAIR OR REPLACE, IN COMPANY'S SOLE DISCRETION, ANY DEFECTIVE COMPONENT OR PART. SUCH REPAIR OR REPLACEMENT SHALL BE WITHOUT COST TO PURCHASER WHEN PERFORMED WITHIN THE APPLICABLE WARRANTY PERIOD (TIME, DISTANCE, OR HOUR LIMIT, WHICHEVER OCCURS FIRST).

Purchaser must notify Company, within the applicable Warranty period, of any failure of the product to comply with this Warranty and Purchaser must, at Purchaser's expense, promptly return the unit to an Authorized Service Facility for inspection and repair or replacement of any defect in material or workmanship occurring within the applicable Warranty period. During New Product coverage, Warranty reimbursement will not be paid on repairs performed by customers on their own vehicles without a current Customer Performed Warranty Agreement (CPWA).

The product must be maintained and serviced according to the prescribed schedules outlined in the Driver's/ Operator's and Maintenance Manuals. Receipted bills and other evidence showing that required maintenance and service have been performed are required by Company as a condition of this Warranty.

After the Company's obligations under this Warranty expire, all liabilities of Company to Purchaser under this Warranty shall terminate. Repairs made under this Warranty do not constitute an extension of the original Warranty period for the vehicle or for any specific component or part.

To the extent that any provision of this Warranty contravenes the law of any jurisdiction, such provision shall be inapplicable in such jurisdiction, and the remainder of the Warranty shall not be affected.

3.4 Purchaser's Exclusive Remedy

THIS WARRANTY SHALL BE THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY AGAINST COMPANY, WHETHER IN CONTRACT, UNDER STATUTE (INCLUDING STATUTORY PROVISIONS AS TO CONDITIONS AS TO QUALITY OR FITNESS FOR ANY PARTICULAR PURPOSE OF GOODS SUPPLIED PURSUANT TO THE CONTRACT OF SALE), WARRANTY, TORT, STRICT LIABILITY, OR ANY OTHER LEGAL THEORY.

3.5 Limitation of Liability

COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE COST TO REPAIR OR REPLACE, IN COMPANY'S SOLE DISCRETION, THE DEFECTIVE COMPONENT OR PART THAT IN NO EVENT SHALL EXCEED THE FAIR MARKET VALUE OF THE PRODUCT AT THE TIME THE DEFECT IS DISCOVERED.

IN NO EVENT SHALL COMPANY BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES INCLUDING, BUT NOT LIMITED TO, INJURIES TO PERSONS OR DAMAGE TO PROPERTY, LOSS OF PROFITS OR ANTICIPATED PROFITS, OR LOSS OF PRODUCT USE.

3.6 Emission Regulations (Diesel Vehicles)

Vehicles and engines are designed, built, and equipped so as to conform, at the time of sale, with requirements of manufacturers whose vehicles and engines are designed to meet applicable Greenhouse Gas (GHG) and Fuel Efficiency Standards of the U.S. (Federal) Environmental Protection Agency (EPA), Emission Regulations under the Canada Motor Vehicle Safety Act in Canada, and the California Air Resources Board (CARB). Engines and vehicles

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are free from defects in material and workmanship which cause the engine or vehicle to fail to conform with those regulations for the Warranty period.

Coverage is determined based on engine and vehicle emissions model year. To determine an engine’s emissions model year, refer to the EPA/CARB certification label on the engine. To determine the vehicle’s emissions model year, refer to the EPA/CARB certification label on the driver’s door or door jamb.

The GHG warranty period is 5 years/100,000 miles (whichever occurs first) of operation or the New Product Warranty, if the product warranty is longer for all emission-related components except tires and 2 years/24,000 miles (whichever occurs first) for the tires.

For CARB 2022, diesel engines certified to California model year 2022 and later standards come with emission warranty periods of 5 years/150,000 miles (whichever occurs first) if medium heavy duty and 5 years/350,000 miles (whichever occurs first) if heavy heavy duty.

The Warranty obligations are not dependent upon the use of any particular brand of replacement parts. The Owner may elect to use non-Genuine Company Parts for replacement purposes. Use of replacement parts which are not of equivalent quality may impair the effectiveness of emission control systems. If other than Genuine Company Parts are used for maintenance replacements or for the repair of components affecting emission controls, the Owner should assure himself/herself that such parts are warranted by their manufacturer to be equivalent to Genuine Company Parts in performance and durability.

Coverage exclusions are listed in *Coverage Exclusions* elsewhere in this section.

Components ¹	Diesel Emission 2010		Gasoline Evaporative Emission 2011 ²	GHG21 ³	
	Detroit Engine	DTNA Installed ⁴	DTNA Installed	Detroit Engine	DTNA Installed ⁵
A-Pillar Turning Vane					X
Aerodynamic Quarter Fenders					X
Aerodynamic Roof Fairings					X
Aerodynamic Roof Fairings (Adjustable Height)					X
Aerodynamic Side Fairings					X
Aerodynamic Wheel Covers					X
Aftertreatment System (ATS) Aftertreatment Control Module (ACM)	X			X	
Air Cleaner (Excludes Filter Element)			X		
Air Conditioning Component Leakage					X
Air Intake Pipes			X		
Air Intake Resonator			X		
Ambient Air Temperature (AAT) Sensor					X
ATS Aftertreatment Device (ATD) Wiring Harness	X			X	
ATS Diesel Exhaust Fluid (DEF) Coolant Supply Valve & DEF Coolant Lines		X			

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Components ¹	Diesel Emission 2010		Gasoline Evaporative Emission 2011 ²	GHG21 ³	
	Detroit Engine	DTNA Installed ⁴	DTNA Installed	Detroit Engine	DTNA Installed ⁵
ATS DEF Pump	X			X	
ATS DEF Fuel Rail Pressure Sensor	X			X	
ATS DEF Fuel Pressure Sensor (Low)	X			X	
ATS DEF Low Dosing Unit	X			X	
ATS DEF System Air Pressure Regulator & Associated Air Lines		X			
ATS DEF System Chassis Interface Harness		X			
ATS DEF Tank		X			
ATS DEF Tank DEF Level Gauge		X			
ATS DEF Tank DEF Temperature Sensor		X			
ATS DEF Tank Heater Tubing		X			
ATS DEF Temperature Sensor NOX Sensors	X			X	
ATS Diesel Oxidation Catalyst (DOC) Inlet Temperature Sensor	X			X	
ATS DOC Outlet Temperature Sensor	X			X	
ATS Diesel Particulate Filter (DPF) Inlet Pressure Sensor	X			X	
ATS DPF Outlet Pressure Sensor	X			X	
ATS DPF Outlet Temperature Sensor	X			X	
ATS Doser Block Assembly	X			X	
ATS Electrically-Heated DEF Lines		X			
ATS Fuel Doser Valve	X			X	
ATS Oxidation Catalyst	X			X	
ATS Particulate Filter	X			X	
ATS Selective Catalytic Reduction (SCR) Catalyst	X			X	
Automatic Engine Shutdown Timer - Sleep Cab Tractors: Includes Auxiliary Technologies (Battery or Diesel Auxiliary Power Unit, Fuel-Operated Heater, Engine Start-Stop)					X
Automatic Engine Shutdown Timer - Vocational					X
Automatic Tire Inflation System					X
Cam Sensor			X		
Camshaft Position Sensor	X			X	

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Components ¹	Diesel Emission 2010		Gasoline Evaporative Emission 2011 ²	GHG21 ³	
	Detroit Engine	DTNA Installed ⁴	DTNA Installed	Detroit Engine	DTNA Installed ⁵
Catalytic Converter			X		
Charge Air Cooler		X			
Charge Air Cooler Outlet Sensor	X			X	
Chassis Fairing Skirts					X
Coolant Outlet Temperature Sensor	X			X	
Coolant Sensor			X		
Crank Sensor			X		
Crankshaft Position Sensor	X			X	
Data Link Connector		X	X		X
Delta P Sensor	X			X	
Drive Wheel Fairings					X
Engine Coolant Temp Sensor			X		
Engine Control Module (ECM)			X		
Engine Start/Stop System					X
Evap Canister & Evap Canister Vent Solenoid			X		
Exhaust Gas Piping from the Turbocharger out to the Last ATD		X			
Exhaust Gas Recirculation (EGR) Cooler	X			X	
EGR Valve & Actuator	X			X	
Exhaust Manifold & Exhaust Manifold Gaskets			X		
Exhaust Pipes (Between Exhaust Manifold & Catalyst)			X		
Fuel Injectors	X		X	X	
Fuel Lines			X		
Fuel Rail			X		
Fuel Tank			X		
Fuel Tank Fairings (Chassis Fairings)					X
Fuel Tank Pressure Sensor			X		
Fuel Temperature Sensor	X			X	
Gap Reducing Fairings					X
Gas Cap			X		

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Components ¹	Diesel Emission 2010		Gasoline Evaporative Emission 2011 ²	GHG21 ³	
	Detroit Engine	DTNA Installed ⁴	DTNA Installed	Detroit Engine	DTNA Installed ⁵
High Pressure Fuel Pump	X			X	
Ignition Coils			X		
Intake Manifold Pressure Sensor	X			X	
Intake Manifold Temperature Sensor	X			X	
Intake Throttle Valve & Adaptor	X			X	
Knock Sensors			X		
Malfunction Indicator Lamp (MIL)		X	X		X
Manifold Absolute Pressure (MAP) Sensor			X		
Mass Air Flow Sensor			X		
Motor Control Module (MCM)	X			X	
Neutral at Stop - Allison Automatic Transmissions ⁶					X
Neutral Coast - Detroit eCoast, Cummins/Eaton Smart-Coast ⁶					X
Oxygen (O ₂) Sensors			X		
Oil Fill Cap			X		
Oil Temperature Sensor	X			X	
Positive Crankcase Ventilation (PCV) Hose (Engine to Air Intake Pipe)			X		
Predictive Cruise Control - Detroit Intelligent Powertrain Management (IPM), Cummins Predictive Cruise Control					X
Purge Control Valve			X		
Rear Axles ⁶					X
Roof Spoilers					X
Side Extenders					X
Spark Plugs ⁷			X		
Spark Plug Wires			X		
Temperature-Barometric Air Pressure Sensor					X
Throttle Body			X		
Throttle Pedal			X		
Tire Pressure Monitoring System					X

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Components ¹	Diesel Emission 2010		Gasoline Evaporative Emission 2011 ²	GHG21 ³	
	Detroit Engine	DTNA Installed ⁴	DTNA Installed	Detroit Engine	DTNA Installed ⁵
Tires ⁸					X
Transmissions ⁶					X
Transmission Control Module			X		
Transmission Speed Sensor			X		
Turbo Speed Sensor	X			X	
Turbocharger	X			X	
Vapor Lines			X		
Vehicle Speed Limiter					X
Vehicle Speed Sensor (Transmission Main Shaft)		X			X
Wait to Start Indicator/Lamp					X

¹ Per California Emission Control Systems Warranty Statement, DTNA must warrant the emission control system components for the vehicle in accordance with either Diesel Emission 2010 or Gasoline Evaporative Emission 2011, whichever is applicable.

² Coverage period is 5 years/50,000 miles (80 500 km), whichever occurs first.

³ GHG21 applies to units built on or after January 1, 2021. Units built prior to January 1, 2021, have GHG14/GHG17 coverage, respectively.

⁴ The following are excluded under Emissions coverage but are covered under standard New Vehicle Warranty coverage:

- ATS ACM Mounting Bracket and Protective Cover
- DEF Tank Mounting Brackets/Hardware
- DEF Pump Mounting and Protective Cover

⁵ Diesel Emission 2010 components and emission-related defects in the marked components listed are included in this coverage. Coverage duration:

- Spark-ignition engines and light heavy-duty vehicles – 5 years/50,000 miles (80 500 km), whichever occurs first
- Compression ignition engines and medium and heavy heavy-duty vehicles – 5 years/100,000 miles (161 000 km), whichever occurs first

⁶ To the extent warranted under component manufacturers' GHG21 emission-related warranty responsibilities, as detailed in warranty documentation.

⁷ Spark plugs are warranted under Basic Chassis coverage or until the first required maintenance, whichever comes first.

⁸ Coverage period is 2 years/24,000 miles, whichever occurs first. File claims directly to tire manufacturer.

3.7 Coverage Exclusions

The following components, parts, or conditions are specifically excluded from coverage under this Warranty.

Note: Parts found defective prior to installation must be filed as a Parts Adjustment Request (PAR) to the Parts Distribution Center (PDC).

Aerodynamic Wheel Covers

Aerodynamic wheel covers are excluded from coverage under Warranty.

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Air Springs

Tolerance buildup can occur during the assembly process of the rear suspension and rear cab air springs, and can cause the springs to have the appearance of being crooked, misaligned, or improperly installed. This tolerance buildup is not detrimental to the operation of the vehicle and will not have an effect on either the quality of the ride or the durability of the components or vehicle. Straightening of these springs is not covered under Warranty.

Alignment of Axles/Wheels/Steering Wheel

Each DTNA vehicle manufacturing plant uses an integrated alignment system to align axles and wheels and to center the steering wheel to DTNA specifications. Realignment or readjustment of these items, including steering stops and steering poppets, is not covered under Warranty.

Any special alignment settings at the request of the Owner must be handled between the service location and Owner after delivery from factory. These special adjustments are not covered under Warranty.

Axle Breather Vents

During the manufacturing process, an oil run or drip stain may appear at the breather vent. Removing the vent, applying pipe sealant to the threaded vent fitting and re-installing the vent is unnecessary. Removing the axle breather vent and re-sealing the threaded fitting is not covered under this Warranty.

Cab Interior Components

The repair or replacement of cab interior components that are rendered unserviceable due to normal wear or abuse are not covered under this Warranty.

These components include, but are not limited to:

- Curtains
- Floor coverings (including floor mats)
- Painted trim components
- Steering wheel
- Steering wheel wrap
- Upholstery
- Window shades

Chrome Surfaces, Aluminum, and Stainless Steel Components

The following items ARE covered under this Warranty:

- Chrome peeling off in sheets
- Chrome cut at mounting bolts due to over-torque at the factory
- Bubbles in the chrome that are not caused by rock chips and/or general rust conditions
- Isolated rust along seams or welds

The following items are NOT covered under this Warranty:

- General rust (e.g., rust on the unfinished backside of a bumper)

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- Dimpling at the mounting bolts
- Staining, bluing, and/or yellowing that can be cleaned with a quality cleaning product
- Rust, pits, and/or nicks caused by road wash or road debris breaking the chrome surface
- Streaks/stains/corrosion caused by severe wash solutions or corrosive road salts/chemicals

Claims pertaining to failures of chrome surfaces, aluminum, and stainless steel components will not be processed unless a clear photo is provided that adequately shows the defect.

Clutch Adjustment

Clutch adjustments are normally required due to clutch wear and are considered normal maintenance. However, if the clutch adjustment is found to be outside of Company specifications during, or prior to, product in-service, a claim will be accepted on a one-time basis.

Claims for clutch adjustments will not be accepted unless the adjustment is found to be outside of Company specifications using the special clutch adjustment measuring tools provided by Company (e.g., adjusting the clutch to satisfy feel will not be accepted as Warranty).

Competition

Warranty will become void on any product that is used in competition including, but not limited to:

- Racing
- Tractor pulls
- Other motor sports

Consumable Parts

Parts that are subject to consumption during their normal service life and are routinely replaced during normal maintenance services are covered up to 15,000 miles (24 000 km) for all DTNA vehicles except TBB bodies and chassis. TBB consumable parts are covered up to 30 calendar days from the date of in-service. These items are:

- Antennas (exception: satellite radio antennas)
- Ashtrays
- Belts
- Brake linings
- Cigarette lighter assembly
- Clutch brake
- Clutch linings
- Data logger batteries
- Desiccant cartridges
- Fire extinguishers
- Flash tubes
- Fluorescent ballast and tubes
- Fuses
- Gladhand
- Hosetennas

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- Light bulbs*
- Lower center bumper air dam
- Mattresses
- Mud flaps
- Mud flap mounting brackets
- Caps (including, but not limited to, DEF, fuel, radiator, surge tank)
- Receiver-drier filter
- Trailer air hoses
- Trailer electrical cables
- Windshield washer nozzles
- Wiper arms and blades (TBB makes - wiper blades only)

* *Sealed light and LED assemblies are not considered consumable.*

The cost of consumable parts which are not reusable due to needed warrantable repairs is covered by this Warranty; examples include but are not limited to:

- Antifreeze
- Coolant
- Filters
- Fluids
- Grease/lubricants
- Oil

Corrosion

Coverage provides Warranty against corrosion to any metal or metal alloy part of the vehicle. Rust or corrosion to specific components and/or caused by certain conditions are excluded from all Company Warranty coverage and will not be paid under Basic Vehicle, Cab Structure, Cab Corrosion, Aftermarket Parts Warranty, or Extended Service Coverage.

Exclusions to corrosion Warranty include, but are not limited to, the following:

- Corrosion caused by general rust (e.g., rust on the unfinished backside of a bumper)
- Surface rust caused by chips or scratches in the paint or chrome surfaces
- Corrosion caused by high-pressure washing, severe wash solutions, cleaning solvents, detergents, compounds
- Corrosion caused by salinity in the environment or corrosive salts and/or chemicals used on the road surface
- Corrosion caused by acid rain or other industrial fallout
- Corrosion due to improper prevention measures during storage or use
- Corrosion or rust on tone rings, rotors, or drums
- Corrosion due to environmental damage (including ocean spray); airborne fallout (includes chemicals, tree sap, etc.), or other atmospheric conditions or other acts of nature
- Corrosion due to improper use, misuse, or abuse, negligence, including improper or insufficient maintenance

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Damage

The following are not covered under Warranty:

- Damage caused by use of the vehicle in any application that is not approved or is inconsistent with build specifications
- Damage resulting from improper use or misuse or abuse, negligence, improper operation, improper or insufficient maintenance (including, but not limited to, failure to maintain vehicle as outlined in the Driver's/Operator's and Maintenance Manuals), overloading, unauthorized modifications, accidents, or operation at excessive speeds
- Environmental damage, including airborne fallout (including chemicals, tree sap, etc.), or other atmospheric conditions, hailstones, or other acts of nature
- Damage caused by road salts/chemicals or cleaning solvents, detergents, or compounds
- Storage deterioration including damage caused by improper or insufficient storage or maintenance
- Damage caused by road hazards or road conditions
- Damage caused during shipping/transport after initial delivery of vehicle
- Damages (including peeling or flaking) caused by high-pressure washing or steam cleaning
- Damages occurring after in-service (e.g., from rock chips)
- Damages caused by customer-installed sealer in air conditioning systems
- Damages caused by non-factory approved engine horsepower/torque upgrades
- Damage due to vibration associated with misapplication or improper operation of drivetrain components
- Damage due to terrorist activities
- Damage due to acts of war

Engine

Any DTNA engine in a vehicle on which odometer mileage has been changed so the mileage cannot be readily determined is excluded from Warranty.

Non-DTNA engines, including all of its components as supplied by the non-Company engine manufacturer, are excluded from Warranty but are warranted separately by the manufacturer of the engine. For non-DTNA engine warranty or service, contact the engine manufacturer's authorized sales and service facility.

Engine Brakes, Air Compressors, and Other Proprietary Engine Components

The engine manufacturer installs most air compressors and engine brakes. Any failure of a proprietary engine component or Jake Brake® component must be filed directly to the engine manufacturer.

Failures on Company engines and non-proprietary engine components can be filed through DTNA.

Exhaust System Clamps

During the early life of the vehicle or when the engine is cold, many exhaust clamps exhibit a soot trace. This condition is self-correcting and does not require adjustment, tightening, or replacement of the clamp. Claims for adjusting or tightening will not be paid under Warranty.

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Fifth Wheels

Adjustment of the locking mechanism, bushings, slide locking plungers, and the repair or replacement of lock guards are considered routine maintenance and are not covered under this Warranty.

Glass, Mirrors, Lens

Conditions excluded from Warranty include but are not limited to:

- Breakage
- Chips
- Scratches
- Cracks

Initial Operating Period

During a vehicle's Initial Operating Period (IOP), repair on components found loose and included on a scheduled maintenance table may be reimbursed by Company. The IOP for DTNA vehicles is as follows:

Make	IOP ¹
Freightliner, Western Star	Up to 15,000 miles/24 000 km ²
FCCC	Up to 25,000 miles/40 000 km ²
TBB Bodies and TBB Chassis ³	Up to 6 months from in-service date

¹ IOP does not apply to powertrain components.

² The IOP begins at zero (0) distance; the in-service distance does not affect the IOP distance limits.

³ TBB applications utilizing FCCC chassis retain the FCCC IOP separate from the TBB body.

Routine maintenance, servicing, and adjustment, as defined in the applicable Vehicle Maintenance Manual and Driver's Manual, are excluded from Warranty.

Periodic adjustment or re-torque of wheel bearings, wheel lug nuts, and suspension U-bolts are considered maintenance adjustments and are not covered under Warranty.

Vibrations, squeaks, rattles, loose fittings/clamps, hose fitting leaks, loose nuts/bolts/screws, and loose electrical connections may develop during the initial trip(s) of the vehicle; associated repairs/adjustments are covered under Basic Warranty unless the distance at which the condition occurs exceeds the published maintenance interval for the component.

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- Components included on a scheduled maintenance table that have loosened at a time or distance exceeding the first scheduled maintenance or outside the IOP, whichever is greater, are not covered under Warranty and are the responsibility of the customer.

Components Found Loose <u>and</u> Included on a Scheduled Maintenance Table	Prior to First Scheduled Maintenance	After First Scheduled Maintenance
Within IOP	File Claim	File Claim
Outside IOP	File Claim	Customer Responsibility

- Components that do not appear on scheduled maintenance tables are not subject to IOP limitations and are covered per the applicable coverage and exclusions.

Consumable items are addressed separately from IOP; see [Consumable Parts](#) elsewhere in this section for details.

Exclusions from Warranty during the IOP are:

- Cab, hood, and fender-mounted mirrors are adjusted at the factory but may be retracted by the transporter to prevent damage during transport. Subsequent adjustments and tightening of mirror mounting hardware are considered part of the routine preparation of the vehicle before Customer delivery. Claims for adjusting the mirrors or tightening of the attaching hardware will not be paid under Warranty during or after the IOP.
- Claims for re-routing of electrical wiring, hoses, or lines which meet DTNA’s routing standards will not be paid under Warranty during or after the IOP. However, if during the IOP, evidence of a potential failure (e.g., rubbing or chaffing that would lead to a short in a wire or a hole in a hose/line) is found where a line, hose, or electrical wiring is mis-installed and is making contact with one of the following, a one-time claim for correcting the routing will be accepted:
 - Hot surface
 - Moving part
 - Sharp edge

Such claims should be filed with *28 - Part Improperly Installed* as the Cause code. Keep photos that clearly show evidence of rubbing or chaffing due to mis-installation on file.

Note: Preventative re-routing for other conditions not listed above is not considered warrantable. However, if a line, hose, or electrical wiring actually fails (i.e., leaks or shorts) due to rubbing or chaffing on any surface, such failures are covered per the applicable coverage and exclusions.

- Final preparation of the vehicle for Customer delivery to include cleaning/vacuuming interior of cab, washing windows, washing the exterior of the vehicle, and polishing exterior chromed or painted surfaces are considered as ordering location responsibilities. Claims for these activities will not be paid under Warranty during or after the IOP.

Loose Components

During the manufacturing process, certain components are placed in the cab of the vehicle or strapped down to the chassis. It is the service location’s responsibility to mount these shipped loose items in the correct location on the vehicle. Mounting the shipped loose items below will not be covered under Warranty.

These items include, but may not be limited to:

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- Aerodynamic wheel covers
- Antennas
- Chrome lug nut covers
- Decals & paperwork
- Driver's pouch
- Fire extinguishers
- Jacks
- License plate brackets
- Mattress
- Reflectors with flares
- Reflectors without flares
- Spare wheels/tires
- Tire inflation hoses
- Trailer cables (air/electrical)
- Winter fronts

Misapplication of Product

The Warranty on any product used inconsistent with its specified vocation/application will be downgraded to the Warranty that is consistent with product use. Any and all claims associated with the misapplication of the product will be subject to chargeback.

Miscellaneous Expenses

Premium charges and work not directly related to the repair or replacement of a warranted part are not reimbursed, unless specifically stated elsewhere in the applicable Warranty coverage. Examples include, but are not limited to:

- Federal, state, provincial, and local taxes
- Travel expenses
- Loss of revenue
- Customer labor, including overtime labor
- Downtime
- Driver's expenses
- Cost of rental equipment
- Loss of cargo, including perishable cargo
- General housekeeping and bulk shop supplies (e.g., shop rags, solvents, sweeping compounds, coveralls, etc.)
- Communication charges
- Towing/road call assistance
- For non-powertrain component repairs, the removal, repair, or replacement of:
 - Components/parts and optional items that are not sold or installed by Company
 - Equipment installed by a body builder, customer, or service location

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- Dynamometer testing on non-Company engines after repairs have been performed
- Shop hardware supplies that are not itemized on the claim as “parts used” (e.g., common bolts, washers, nuts, tie straps, cotter pins, etc.)
- Time spent waiting at a counter to obtain a part, etc.
- Environmental fees, cleanup, or other charges
- Cost of emergency services

Modifications to Original Equipment

Company does not warrant product modifications or equipment installations unless performed at a Company Custom Truck Services (CTS) Center. In addition, the extra time necessary to remove body builder-installed items and/or equipment to work on a warrantable repair is not covered under this Warranty unless Company sells the complete chassis/body/equipment as a package.

If service locations or Customers perform any product modifications or equipment installations, to the extent these modifications or equipment installations adversely affect other vehicle components or vehicle performance, Company shall not accept any product liability or claims under the terms of the product Warranty. These claims become the sole responsibility of the person performing the modifications or equipment installations.

Paint

The following exclusions to paint warranty include, but are not limited to:

- Complete chassis re-painting to repair paint damages
- Damages occurring after in-service (e.g., from rock chips)
- Peeling/flaking caused by high-pressure washing or steam cleaning
- Rusting of painted bumpers
- Removal and/or replacement of decals, striping, and/or lettering not applied by Company

Specific areas of the vehicle are deliberately not painted or are not painted to any standard; paint repairs are not warrantable to such areas. These areas include:

- Underside of the hood, including the inside of the wheel wells
- Underside of the roof-mounted air fairings
- Underside of the exterior sun visor
- Inside of the side-mounted air fairings
- Inside of the bumper
- Aftertreatment devices

Gloss

Gloss claims pertaining to gloss issues on vehicles painted with low-gloss colors (as identified in the Truck/Bus Sales Order) will not be covered under Warranty.

Routine Maintenance

Routine or preventative maintenance, servicing, and adjustment, as defined in the applicable Vehicle Maintenance Manual and Driver’s Manual, are excluded from Warranty.

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Periodic adjustment or re-torque of wheel bearings, wheel lug nuts, and suspension U-bolts are considered maintenance adjustments and are not covered under Warranty.

Vibrations, squeaks, rattles, loose fittings/clamps, hose fitting leaks, loose nuts/bolts/screws, and loose electrical connections may develop during the initial trip(s) of the vehicle and these types of repairs/adjustments are covered under Warranty one (1) time during the applicable IOP unless excluded above.

Reminder: After the IOP, these developments are the result of use and their repair/adjustment activities are considered routine maintenance and thus excluded from Warranty.

Tampering/Misuse

Conditions resulting from tampering, misuse, improper adjustments, alteration, accident, failure to use recommended fuel or non-performance of required maintenance services are not covered.

It is a violation of U.S. federal law to alter the engine, exhaust plumbing, aftertreatment system, diesel exhaust fluid system, or other vehicle components in any way that would bring the engine/vehicle out of compliance with certification requirements [Ref: 42 U.S.C. §7522(a)(3)]. It is the Owner's responsibility to maintain the vehicle so that it conforms to EPA regulations.

Test Products

Any product(s) used in testing must be identified to the Warranty Department and accommodations must be made for claims that relate to the test item(s).

Any product used in endurance testing, such as the Altoona Test, are void of all Warranty, including but not limited to New Product Warranty, Aftermarket Parts Warranty, Extended Service Coverage, or any Company additional or used truck coverage.

Tires and Tire Balancing

The tires are not covered under this Warranty, but are warranted separately by the tire manufacturer. Tire balancing is not covered under Warranty.

Transmissions (Non-Company)

Allison transmissions and components are not covered under this Warranty, but are warranted separately by Allison. Information regarding Allison's warranty is provided for informational purposes only and is subject to change. For warranty or service information, contact Allison's authorized sales and service facility.

Eaton Hybrid transmissions are not covered under this Warranty.

3.8 Transfer of Warranty

This Warranty is transferable to a subsequent Owner if it has not expired. To ensure the Owner receives proper Warranty recognition, the ownership information should be updated in OWL.

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3.9 Change of Owner Address Information

To ensure Company's ability to reach the current Owner with Recall and Field Service campaign information, the Owner's information must be updated whenever there is a change to the Owner's name or address.

3.10 Product Improvement

Company reserves the right to make improvements or changes to the product at any time without incurring any obligation to make such changes or improvements to any other vehicle.

3.11 Owner's Responsibilities

DTNA provides Owner's Warranty Information booklets for Company products. When the Owner first receives a Company product, the service location should review the Owner's Warranty Information booklet(s) with the Owner. It is important that the new Owner becomes familiar with the contents about Warranty, parts replacement that affects emission controls, and maintenance service. It is the Owner's responsibility to ensure the product is maintained as outlined in the Driver's/Operator's and Maintenance Manuals and to maintain the vehicle so that it conforms to EPA regulations.

To initiate Warranty, the customer must complete and sign the Warranty Start Form (WAR275); service locations keep the signed form on file and register the vehicle with DTNA for Warranty.

As soon as a problem exists, the Owner is responsible for presenting the product to an Authorized Service Location. The Warranty repairs should be completed in a reasonable amount of time. The Owner should also be aware that DTNA may deny Warranty coverage if the product has failed due to abuse, neglect, improper maintenance, or unapproved modifications. DTNA recommends that Owners retain all receipts regarding product maintenance but Company cannot deny Warranty solely for the lack of receipts.

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BID BOND – EQUIPMENT

KNOW ALL MEN BY THESE PRESENT, That we, the undersigned, Jack's Truck Center, Inc. dba Floyd's Truck Center WY as Principal, and Merchants Bonding Company (Mutual) as surety, are hereby held and firmly bound unto City of Douglas as OWNER in the penal sum of _____ Five Percent of the Amount of the Attached Bid --- (5%) for payment of which, we and truly to be made, we hereby jointly and severally bind ourselves, successors and assigns.

The condition of the above obligation is such that whereas the Principal has submitted to _____ City of Douglas a certain BID, attached hereto and hereby made a part hereof to enter into a contract in writing for the _____ New 2025 Day Cab Tractor

NOW, THEREFORE,

- A. If said BID shall be rejected, or
- B. If said BID shall be accepted and the Principal shall execute and deliver a contract in the Form of Contract attached hereto (properly completed in accordance with said BID) and shall furnish a BOND for his faithful performance of said contract, and for the payment of all persons performing labor or furnishing materials in connection therewith and shall in all respects perform the agreement created by the acceptance of said BID.

Then this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its BOND shall in no way be impaired or affected by any said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set forth above.

Merchants Bonding Company (Mutual) (L.S.)

Samantha Boddicker July 31, 2024

Surety

By: Samantha Boddicker, Attorney-in-Fact

IMPORTANT: Surety companies executing BONDS must appear in the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the State of Wyoming.

End of Section



IF BIDDER IS:

AN INDIVIDUAL

By: _____ doing business as: _____
(Name)
Address: _____ Phone: _____

A PARTNERSHIP

By: _____ (seal)
(Firm Name)

(General Partner)

Business Address: _____ Phone: _____

A CORPORATION

By: Jack's Truck Center, Inc. dba Floyd's Truck Center WY of Wyoming
(Corporation Name) (State of Incorporation)

By: [Signature] SALES MANAGER
(Signature) (Title)

ATTEST: [Signature] (Corporate Seal)

Business Address: P.O. Box 1628 Phone: 307-252-1169
GILLETTE, WY 82717

A JOINT VENTURE

By: _____ Address: _____

By: _____ Address: _____

By: _____ Address: _____

By: _____ Address: _____

(Each member of the joint venture must sign; attach additional sheet if necessary.)

End of Section

MERCHANTS
BONDING COMPANY
POWER OF ATTORNEY

Know All Persons By These Presents, that MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC., both being corporations of the State of Iowa, d/b/a Merchants National Indemnity Company (in California only) (herein collectively called the "Companies") do hereby make, constitute and appoint, individually,

Alejandra G Venegas; Amber Lynn Reese; Cory Clauss; Dana L Gregory; Daniel R Boerboom; David V Bushey; Erica Thomas; Karl E Flemke; Kristin L Salazar; Lori M Menichetti; Mary E Hanks; Philip J Monasch; Rita Nicholson; Samantha Boddicker; Tristin Rosen; Valerie A Roybal

their true and lawful Attorney(s)-in-Fact, to sign its name as surety(ies) and to execute, seal and acknowledge any and all bonds, undertakings, contracts and other written instruments in the nature thereof, on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

This Power-of-Attorney is granted and is signed and sealed by facsimile under and by authority of the following By-Laws adopted by the Board of Directors of Merchants Bonding Company (Mutual) on April 23, 2011 and amended August 14, 2015 and adopted by the Board of Directors of Merchants National Bonding, Inc., on October 16, 2015.

"The President, Secretary, Treasurer, or any Assistant Treasurer or any Assistant Secretary or any Vice President shall have power and authority to appoint Attorneys-in-Fact, and to authorize them to execute on behalf of the Company, and attach the seal of the Company thereto, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof."

"The signature of any authorized officer and the seal of the Company may be affixed by facsimile or electronic transmission to any Power of Attorney or Certification thereof authorizing the execution and delivery of any bond, undertaking, recognizance, or other suretyship obligations of the Company, and such signature and seal when so used shall have the same force and effect as though manually fixed."

In connection with obligations in favor of the Florida Department of Transportation only, it is agreed that the power and authority hereby given to the Attorney-in-Fact includes any and all consents for the release of retained percentages and/or final estimates on engineering and construction contracts required by the State of Florida Department of Transportation. It is fully understood that consenting to the State of Florida Department of Transportation making payment of the final estimate to the Contractor and/or its assignee, shall not relieve this surety company of any of its obligations under its bond.

In connection with obligations in favor of the Kentucky Department of Highways only, it is agreed that the power and authority hereby given to the Attorney-in-Fact cannot be modified or revoked unless prior written personal notice of such intent has been given to the Commissioner-Department of Highways of the Commonwealth of Kentucky at least thirty (30) days prior to the modification or revocation.

In Witness Whereof, the Companies have caused this instrument to be signed and sealed this 10th day of July, 2024.



MERCHANTS BONDING COMPANY (MUTUAL)
MERCHANTS NATIONAL BONDING, INC.
d/b/a MERCHANTS NATIONAL INDEMNITY COMPANY

By

Larry Taylor
President

STATE OF IOWA
COUNTY OF DALLAS ss.

On this 10th day of July, 2024, before me appeared Larry Taylor, to me personally known, who being by me duly sworn did say that he is President of MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC.; and that the seals affixed to the foregoing instrument are the Corporate Seals of the Companies; and that the said instrument was signed and sealed in behalf of the Companies by authority of their respective Boards of Directors.



(Expiration of notary's commission does not invalidate this instrument)

Penni Miller
Notary Public

I, William Warner, Jr., Secretary of MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC., do hereby certify that the above and foregoing is a true and correct copy of the POWER-OF-ATTORNEY executed by said Companies, which is still in full force and effect and has not been amended or revoked.

In Witness Whereof, I have hereunto set my hand and affixed the seal of the Companies on this 31st day of July, 2024.



William Warner Jr.
Secretary



LIMITED POWER OF ATTORNEY

I, Michael R. Gillam, President of Jack's Truck Center, Inc. a Wyoming Corporation (the "Corporation") appoint Kevin Cluffee (the "Agent") as an agent of the Corporation for the limited and sole purpose of obtaining and executing bid bonds or bid guarantees on behalf of the Corporation. The Agent's signature on any such bid bond or guarantee shall bind the Corporation.

~~This Power of Attorney shall remain effective until it is (a) revoked by a duly elected Officer of the Corporation or (b) the Agent ceases to be an employee of the Corporation. Any person may rely on this Power of Attorney unless he or she has been notified that it has been revoked or has terminated or has actual or constructive knowledge or notice of its revocation or termination.~~

A photocopy, email, or facsimile copy of this executed Limited Power of Attorney shall be effective as an original.

This Limited Power of Attorney has been authorized by the Shareholders and Directors of the Corporation.

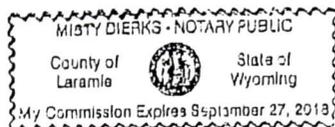
Dated: 2/15/17

Jack's Truck Center, Inc., a Wyoming Corporation,

By: Michael Gillam
Michael R. Gillam, President

State of Wyoming, County of Laramie: ss.

This Limited Power of Attorney was acknowledged before me on February 15, 2017 by Michael R. Gillam, President of Floyd's Truck Center, Inc. a Wyoming Corporation, on behalf of the Corporation.



Misty Dierks
Notary Public



STATE OF WYOMING CERTIFICATE OF RESIDENCY



Contractor Number: 0536

JACK'S TRUCK CENTER, INC. dba Floyd's Truck Center

HAS BEEN GRANTED RESIDENCY STATUS PURSUANT TO WYOMING STATUTE 16-6-101, AS AMENDED. FIVE PERCENT PREFERENCE SHALL BE ALLOWED WHEN BIDDING ON ANY PUBLIC WORKS CONTRACT FOR A PERIOD OF ONE (1) YEAR FROM THE DATE CERTIFICATION IS GRANTED.

GRANTED THIS 2ND DAY OF JULY TWO THOUSAND AND 24

A handwritten signature in black ink, appearing to read "Michete Johnson".

Michete Johnson, Program Manager

EXPIRATION DATE: 7/1/2025

To verify the authenticity of the certificate,
please contact our office at 307-777-7261 or visit
wyomingworkforce.org/businesses/labor/info



CERTIFICATE SERIAL NUMBER: 0207202429

STATE OF WYOMING

VEHICLE DEALER LICENSE

THIS IS TO CERTIFY

JACK'S TRUCK CENTER INC dba FLOYD'S TRUCK CENTER WY

F 17-7145

Name

License Number

has met the requirements as set forth by Wyoming Statute, and is duly licensed to engage in the business of a vehicle dealer in the State of Wyoming for the class of license indicated by this certificate.

New Vehicle Dealer Used Vehicle Dealer Used Vehicle Dealer
Less than 12 Sales

New Vehicles to be Sold: FREIGHTLINER, WESTERN STAR, AUTOCAR & GLOBE TRUCKS; JET, MANAC, FONTAINE, FELLING, VALOR & DEMCO TRAILERS

This dealer deals in the makes & types of New Vehicles listed above and may also sell Used Vehicles of any type

Address of Vehicle Dealer: 6100 S DOUGLAS HWY

GILLETTE, WY 82718

Number of Demo Plates Authorized: 6

Number of Full Use Plates Authorized: 3



Effective Date: DECEMBER 19, 2023

Expiration Date: DECEMBER 19, 2024