

 **McDevitt Trucks Inc.**
An Employee Owned Company



CHARLIE GRANDLL
Sales Representative

Cell: 603-722-7662 • Email: cgrandll@mctrucks.com
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1-800-370-6225

 **McDevitt Trucks Inc.**

Town of Barrington, NH



INVITATION TO BID

BID-BHD-03

Six Wheel Dump Truck

CONTAINING:

- LEGAL NOTICE OF BID
- SPECIFICATIONS
 - BID FORM
- GENERAL CONDITIONS

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LEGAL NOTICE

TOWN OF BARRINGTON, NH

INVITATION TO BID

2021 or Newer Model Six Wheel Dump Truck BID-BHD-03

Sealed Bids for the purchase of one (1) 2021 or Newer Model Six Wheel Dump Truck, for the Town of Barrington NH, will be received at the Town Hall, 333 Calef Highway, 2nd Floor, (mailing P.O. Box 660) Barrington NH, 03825 until 12:00 p.m. prevailing time, Wednesday January 19, 2022, at which time will be publicly opened.

The Bid shall be submitted in a sealed envelope, addressed to the Town of Barrington, Highway Department and clearly marked in the lower left-hand corner "TOB BID-BHD-03, 2021 or Newer Model Six Wheel Dump Truck.

The Bid document will be available at the Town Hall at the above address as well as online at <https://www.barrington.nh.gov/highway-department/pages/bids> beginning on Thursday December 8, 2021.

The Town of Barrington reserves the right to accept or reject any and all bids or any part thereof, and to waive any minor informalities as it deems to be in the best interest of the Town. The Town also reserves the right to conduct reasonable negotiations with low bidders and sole bidders. Failure to submit all information may declare a bid as non-responsive and subject to disqualification.

SPECIFICATIONS

2021 or Newer Model Six Wheel Dump Truck

Cab:

1. 108-inch aluminum cab
2. Severe service cab package includes aluminum side skins, aluminum rear.
3. Cab insulation package.
4. Fender extensions 2 inches wide.
5. Driver seat: air suspension, high back.
6. Passenger seat: non air suspension high back.
7. Arm rests, both sides.
8. Cloth free upholstery, Naugahyde, vinyl, etc.
9. Adjustable tilt telescope steering column with minimum 18-inch diameter steering wheel.
10. Rear window.
11. Curb view lower window in passenger side door.
12. Fiberglass tilt hood with access hatches.
13. Combination fresh air heater/ air conditioner.
14. Stainless steel west coast style heated mirrors.
15. Stainless steel heated convex mirrors.
16. Right hand down view mirror.
17. Manual door locks keyed alike with ignition.
18. 2 chrome 24.5 air horns with chrome shields.
19. Power window on passenger side only.
20. Standard AM/FM radio.
21. Manual reset circuit breakers where applicable.
22. Black rubber floor mats.
23. Left hand and right-hand chrome grab handles.
24. Dual electric horns.
25. 12-volt power supply in dash.
26. Intermittent electric windshield wipers with washers.
27. Electric backup alarm.
28. Air filter Restriction indicator in dash

Specifications Continued:

Gages:

1. Odometer
2. Hour Meter
3. Fuel and def gauge
4. Ammeter
5. Engine temperature
6. Oil pressure
7. Tachometer
8. Speedometer
9. Voltmeter
10. 5 auxiliary switches with wiring.
11. 5 cab marker lights, Amber.

Engine, Transmission and Driveline:

1. Diesel engine: Cummins ISL 330 horsepower: 1000-foot lbs. of torque or equivalent.
2. 120-volt ,1000-watt block heater with receptacle.
3. Engine brake.
4. Cooling: Minimum 1100 square inch radiator.
5. Engine driven power steering pump, direct driven, no belt.
6. Engine able to accept B20 biodiesel.
7. Transmission: Allison 3000 RDSP Automatic

Axles and Suspension:

1. Front:20,000-pound front axle with 20,000-pound leaf springs with spring buildup on the right side to carry the weight of a wing.
2. Iron hubs and front shocks.
3. Rear: 30,000-pound rear axle with 31,000-pound rear springs, and 3000-pound helper springs.
4. Iron hubs.
5. Heavy wall drive axle.
6. Differential lock, cab controlled with warning light.
7. 5:38 rear axle ratio.

Battery and Alternator:

1. Battery box, aluminum with aluminum cover, mounted on left side frame rail.
2. Batteries: 3 group 31,12-volt maintenance free,1950 CCA, threaded top stud.
3. Emergency jump studs mounted on or near battery box.
4. Alternator: 180-amp Delco Remy,12 volt.

Specifications Continued:

Brakes:

1. **Front:** 16.5x6 air s cam front brakes with dust shields, and gusseted cam brackets.
2. **Rear:** 16.5x7 air s cam rear brakes with dust shields and gusseted cam brackets.
3. Long stroke rear maxi brake chambers.
4. Brake chambers mounted on front of rear axle.

Steering:

1. Hydraulic power steering

Tires and Wheels:

Hubs:

1. Front & Rear - Conmet pre-set bearing cast iron
2. Front Tire – XZE2 xzu-s 11r-22.5, 16 ply radial
3. Rear Tire – XDE M/S 11R22.5 16 ply radial

Wheelbase and Frame:

1. Wheelbase: 166 inches.
2. Cab to axle: 96.2 inch.
3. Cab to end of frame: 158.9 inch.
4. Frame: 10.75-inch steel rails ,3/8 inch thick.
5. Crossmembers:
 - *Front closing.
 - *Weight, engine.
 - *Midship#1.
 - *Suspension.
 - *Rearmost.

Fuel Supply:

1. 50-gallon aluminum fuel tank under left side of cab.
2. Non slip fuel tank step.
3. Fuel filter heater, electric.
4. 6-gallon diesel exhaust fluid tank.

Specifications Continued:

Warning Devices:

1. Electric backup alarm
2. Dual note air horn
3. Dual electric horns

Tow Package:

1. Trailer towing provision at end of frame
2. Trailer connections: Primary connector receptacle wired for combination stop/turn; center pin powered through ignition with stop signal prewire package

Exterior Color:

1. Cab and hood: maroon
2. Frame: black

Air Equipment:

1. 18.7 cfm air compressor.
2. Bendix AD-IS air dryer with heater.
3. Front fender mud flaps.
4. Lanyard drain valves.
5. Aluminum air tanks.
6. Dual air brake system.
7. Bendix ABS without traction control.
8. Trailer air supply lines run to rear of frame.
9. Trolley valve in cab

Other:

1. 7-way commercial trailer wiring and receptacle run to rear of frame.
2. Vertical single exhaust stack with curved tip on right side of truck
3. Front fender mud flaps

BID FORM

**2021 or Newer Model Year
Six Wheel Dump Truck**

Bidder agrees to supply one (1) Six Wheel Dump Truck as indicated on Specification Sheet.

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
One (1)	Six Wheel Dump Truck with Equipment	\$ <u>115,949</u>
	<u>TOTAL</u>	\$ <u>115,949</u>

Total Amount One Hundred Fifteen Thousand Nine Hundred Forty-Nine
(Written) dollars

Bid Form, continued

The above costs shall include the purchase and installation of all equipment specified on the said Specification Sheet. As previously referenced, the complete final product shall be operational and functional as intended by the Barrington Highway Department.

The Town reserves the right to accept and/or reject any Bid and also reserves the right to waive any informalities in the bidding procedures.

The Town reserves the right to accept the Bid Amount that is in the best interest of the Town.

List any and all deviations from the Specifications. If none are listed, it shall be assumed that the units offered, meet or exceed the minimum Specifications.

Attach complete set of Specifications and all other information requested in this BID-BHD-03. List all agencies where complete stocks or repair parts are maintained

McDevitt Trucks, Inc.

(Business Name)

220 Frontage Rd.

(Address)

Manchester, NH 03103

(City, State and Zip Code)

603-722-7662

(Phone Number)

Dated 13 day of January, 2022

Expected Delivery Date: Q3, 2022



(Signature of Bidder)

Charles T. Grand

(Printed Name)

Sales

(Title of Bidder)

Bid Form, continued

SPECIFICATIONS EXCEPTION FORM

In the interest of fairness and sound business practice, it is mandatory that you state any exceptions taken by you to our specifications.

It should not be the responsibility of the Town of Barrington to ferret out information concerning the materials which you intend to furnish.

If your bid does not meet all our specifications you must state it in the space provided below:

Please see attached

Bids on equipment, vehicles, computers, supplies, services and materials not meeting specifications may be considered by the Town, however, all deviations must be listed above.

If your Bid does not meet our specifications, and your exceptions are not listed above, the Town of Barrington may claim forfeiture on your Bid, if submitted.

Signed _____

I DO meet specifications

Signed *CM* _____

I DO NOT meet specifications as listed in this Bid; exceptions are in the space provided
exceed specifications

Failure to submit this form with your Bid response may result in your Bid being rejected as unresponsive.

Bid Form, continued

NON-COLLUSION STATEMENT

The Undersigned certifies under penalties of perjury that this Bid in all respects is bonafide, fair and made without collusion or fraud with any other person. As used in this paragraph, the "PERSON" shall mean any natural person, joint venture, partnership, corporation or other business or legal entity.

Title Sales

Signature C. T. C.

Company McDevitt Trucks, Inc.

INDEMNIFICATION AGREEMENT

The successful vendor agrees to indemnify, investigate, protect, defend and save harmless the Town of Barrington, NH, it's officials, officers, agents, and employees from any and all claims and losses accruing or resulting to any and all contractors, subcontractors, suppliers, laborers and any other person, firm or corporation furnishing or supplying work, services, materials, equipment or supplies in connection with the performance of this contract and from any and all claims and losses accruing or resulting to any person, firm or corporation which may be injured or damaged by the vendor in the performance of this contract. In any case, the forgoing provisions concerning indemnification shall not be construed to indemnify the Town for damage arising out of bodily injury to persons or damage to property caused by or resulting from the sole negligence of the Town or its employees. This indemnification shall survive the expiration or early termination of this contract.

Company McDevitt Trucks, Inc.

Taxpayer ID Number 020312174

Authorized Signature and Date [Signature] 11/13/22

Address 220 Frontage Rd. Manchester, NH 03103

Telephone 603-621-8221

E-Mail cgross11@mc Trucks.com

GENERAL CONDITIONS

PREPARATION OF BIDS

Bids shall be submitted on the forms provided and must be signed by an authorized representative of the firm submitting the said Bid. Any corrections to entries made on Bid forms should be initialed by the person signing the form.

Bidders must quote on all items appearing on the Bid forms unless specific directions in the advertisement or in the general provisions allow for partial Bids. Failure to quote on all items may disqualify the submitted proposal.

Alternative Bids will not be considered, unless otherwise stated, and then only if the alternate is described completely, including, but not limited to, sample(s) and specifications sufficient to enable for a comparison.

Unless otherwise stated in the Bid, prices quoted shall remain firm for a period of sixty (60) days after the date and time of receipt.

Any questions or inquiries must be submitted in writing, and must be received by the Barrington Highway Department no later than seven (7) calendar days before the Bid due date to be considered. Any changes to the Bid will be provided to all bidders of record.

The bidder has not divulged to, discussed or compared his bid with other firms and has not colluded with any other bidder or parties to a bid whatsoever. (NOTE: No premiums, rebates or gratuities permitted either with, prior to or after any delivery of materials. Any such violation will result in the cancellation and/or return of materials (as applicable) and may be grounds for the removal from future consideration).

The name of any manufacturer, trade name, or catalog number mentioned in this Bid description is intended for the purpose of designating a minimum standard of quality and type unless specified to be mandatory. Such references are not intended to be restrictive, although specified color, type of material, and specified measurements may be mandatory. Bids may be considered for any brand which meets or exceeds the quality of the specifications listed. On all such Bids, the bidder shall specify the product he is proposing and shall supply sufficient data to enable comparison to be made with the particular brand or manufacturer specified. Failure to submit the above may be sufficient grounds for rejection of the Bid.

When samples are required, they must be submitted free of cost and will be returned unless otherwise specified

Items left for demonstration purposes shall be delivered and installed free of charge and shall be removed by the vendor at no cost to the Town. Said demonstration units shall not be offered to the Town as new equipment unless otherwise mutually agreed to.

The vendor may be required to supply proof of compliance with specifications. When requested, the vendor must immediately supply the Town with certified test results of certificates of compliance. Where none are available, the Town may require independent laboratory testing. All costs for such testing certified test results or certificates of compliance shall be the responsibility of the vendor.

Unless otherwise stated, all prices are F.O.B. destination. No charge for packing or drayage will be allowed, all deliveries are to be prepaid, and C.O.D.'s will not be accepted.

BIDDERS INTERESTED IN MORE THAN ONE BID

If more than one Bid is offered by any one party, or by any person or persons representing a party, all such Bids shall be rejected. A party who has quoted prices to a bidder is not thereby disqualified from the quoting prices to the bidders or from submitting a direct Bid on his own behalf.

SUBMISSION OF BIDS

Bids must be submitted as directed in the Invitation-To-Bid, and on the forms provided unless otherwise specified. Bids must be typewritten or printed in ink.

WITHDRAWAL OF BID

Bids may be withdrawn prior to the opening date and time, upon written request of the bidder.

RECEIPT AND OPENING OF BIDS

Bids shall be submitted prior to the time indicated in the Invitation-To-Bid. Bids received after the time so indicated shall be returned unopened.

BID RESULTS

Bid results will be available on the Town of Barrington's website <https://www.barrington.nh.gov/>

THE BIDS

When identical low Bids are received, with respect to price, delivery and quality, the award may be made that is deemed to be in the best interest of the Town. When a tie Bid exists between a local and out-of-town bidder, preference will be given to the local bidder. Any bidder having a local agent who is a bona fide resident of the Town is considered a local bidder.

AWARD OF CONTRACT

The Contract may be awarded to the lowest responsible bidder (net total amount) as soon as approved and awarded by The Selectboard after Bid opening. The Town of Barrington reserves the right to waive any formality in Bids submitted and the right to reject any or all Bids at its discretion and to accept the Bid, which will be in the best interest of the Town.

In case of error in the extension of prices, the unit prices Bid shall govern and the unit prices in writing shall take precedence over the unit prices in figures.

DISQUALIFICATION

Awards will not be made to any person, firm or company in default of a contract with the Town.

SAFETY DATA SHEET

Right to know.

Any vendor who receives an order or orders resulting from this invitation agrees to submit a Material Safety Data Sheet (MSDS) for each toxic or hazardous substance or mixture containing such substance pursuant to RSA 277-A when deliveries are made. The vendor agrees to deliver all containers properly labeled pursuant to RSA 277-A. Failure to submit an MSDS and/or label on each container will place the vendor in noncompliance with the purchase order. Failure to submit MSDS and/or labels on each container may result in civil or criminal penalties, including bid debarment and action to prevent vendor from the selling said substances, or mixtures containing said substances within the state. All vendors furnishing substances or mixtures subject to RSA 277-A are cautioned to obtain and read the law referenced above.

FAILURE TO COMPLY WITH THE REQUIREMENTS COULD RESULT IN THE CANCELLATION OF AN ORDER OR CONTRACT.

PATENT PROTECTION

The seller agrees to indemnify and defend the Town of Barrington from all claims and losses resulting from the alleged and actual patent infringements and further agrees to hold the Town of Barrington harmless from any liability arising under RSA 382-A, 2-313 (3). (Uniform Commercial Code)

ASSIGNMENT PROVISION

The contractor/vendor hereby agrees that it will assign to the Town of Barrington all causes of action that it may acquire under the antitrust laws of New Hampshire and the United States as the result of conspiracies, combination or contracts in restraint of trade which affect the price goals or services obtained by the Town under this contract if so requested by the Town.

DELIVERY

Deliveries are to be made only to the department indicated on the order and in accordance with accepted commercial practices, without extra charge, or as designated elsewhere in the Bid.

Deliveries, which do not conform to the specifications or are not in good condition upon receipt, shall be replaced promptly.

INVOICING

Unless otherwise stated, invoices are to be submitted in duplicate upon delivery or pickup to the Barrington Highway Department. The invoice must include an itemization of all items, supplies, repairs or labor furnished, including unit list price, net price, extensions and total amount due. Any cash discount offered shall be clearly stated. Payment should be net thirty (30) days upon delivery.

TAX

The Town is exempt from all sales and Federal Excise Taxes. Exemption certificates will be furnished upon request, covering taxable items. Please bill less these taxes.

SEVERABILITY

If any of the GENERAL CONDITIONS is held to be invalid or unenforceable, it will be construed to have the broadest interpretation, which would make it valid and enforceable under such holding. Invalidity or unenforceability of a term or condition will not affect any of the other GENERAL CONDITIONS

DEFINITIONS

Bid shall also mean proposal, offer, qualification/experience statements, and services.

Bidders shall also mean vendors, offerors, or any person or firm responding to a request for bids

GOVERNING LAW

All contracts entered into by the Town of Barrington shall be governed by the Laws of the State of New Hampshire.

BIDDER QUALIFICATION

1. Shall have been engaged in the business of selling and servicing municipal equipment for a minimum of five (5) years.
2. Vendor shall have represented the product bid herein as a distributor for a minimum of five (5) years.
3. The distributor contractor/vendor shall have a service and parts facilities physically located in New Hampshire and must have parts available within 24 hours.

NOTICE-OF-AWARD

2021 or Newer Model Six Wheel Dump Truck – BID-BHD-03

TO: _____

PROJECT DESCRIPTION: 2021 or Newer Model Six Wheel Dump Truck – BID-BHD-03 in accordance with the Contract Documents/Specifications.

You are hereby notified that your Bid has been accepted in the amount of \$ _____ as per your bid dated _____ and awarded on January 24, 2022.

You are required by the Information for Bidders to execute the Agreement and furnish the required Contractor's Performance and Certificates of Insurance within ten (10) calendar days from the date of this Notice to you.

If you fail to execute said Agreement within ten (10) days from the date of this Notice, said Owner will be entitled to consider all your rights arising out of the Owner's acceptance of your Bid as abandoned and as a forfeiture of your Bid commitment. The Owner will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of the Notice-of-Award to the Owner.

Dated this _____ day of _____, 202____.

OWNER:

Town of Barrington, New Hampshire

By: _____

Conner MacIver, Town Administrator

ACCEPTANCE OF NOTICE

Receipt of the above Notice-of-Award is hereby acknowledged by _____ this the _____ day of _____ 202____.

By: _____ Title: _____



1-13-2022

Barrington Highway Department

Bid BHD-03

Exception list

Thank you for the opportunity to bid a 2023 Western Star 47x for the citizens of Barrington, NH. The items below are the exceptions I am taking for this bid. We exceed the specification provided in these areas.

1. The 47x cab is 111" in lieu of the requested 108"
2. The Western Star 47x is constructed with an aluminum cab. However, the doors are steel. This will add in safety and noise reduction while the vehicle is in operation.
3. We do not offer a PS armrest with the fixed mid back passenger seat that also houses the batteries.
4. The 47x comes with "C" Bar style mirrors. These are stronger than the requested west coast style.
5. We do not offer manual door locks. Electric is the only option.
6. Power windows are standard on both sides.
7. The bid requests emergency jump studs near the battery box. We position these close to the starter for better performance if needed. Less current loss during attempted starting of vehicle.
8. Our smallest alternator is a 200 amp.
9. I have specified Michelin XDS traction tires. The XDE's are not available to us at this time.
10. The 47x has a 1/2" frame in lieu of the 3/8" requested.
11. The smallest fuel tank available to me is a 60 gallon compared to the requested 50 gallon.

I would also like to add I have availability in late Q2 / early Q3 at the time of this bid proposal. That should translate into Western Star being able to provide this truck to the body company in time to complete the vehicle before Winter 2022.



www.mctrucks.com



(800) 370-6225



220 Frontage Rd. Manchester, NH 03103



19 Bridge St. Lancaster, NH 03584

Please contact me with any questions.

Thank you,

A handwritten signature in black ink, appearing to read "Charlie Grandll". The signature is fluid and cursive, with the first name "Charlie" and last name "Grandll" clearly distinguishable.

Charlie Grandll

Sales

McDevitt Trucks, Inc.

Prepared for:
Marc Moreau
BARRINGTON town of
333 CALEF HWY
BARRINGTON, NH 03825
Phone: 603-948-5203

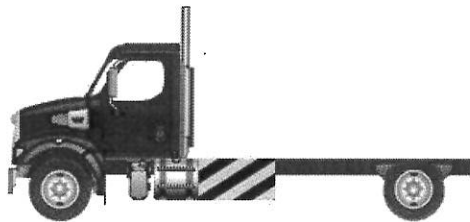
Prepared by:
Charlie Grandll
MCDEVITT TRUCKS
220 FRONTAGE RD.
MANCHESTER, NH 03103
Phone: 603-668-1700

A proposal for
BARRINGTON town of

Prepared by
MCDEVITT TRUCKS
Charlie Grandll

Jan 13, 2022

Western Star 47X



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

Prepared for:
Marc Moreau
BARRINGTON town of
333 CALEF HWY
BARRINGTON, NH 03825
Phone: 603-948-5203

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Prepared for:
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 BARRINGTON town of
 333 CALEF HWY
 BARRINGTON, NH 03825
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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	Retail Price
Price Level				
PRL-26X	WST 47X/49X PRL-26X (EFF:07/26/21)			STD
Data Version				
DRL-029	SPECPRO21 DATA RELEASE VER 029			N/C
Vehicle Configuration				
001-470	WESTERN STAR 47X	9,050	6,525	\$223,934.00
004-223	2023 MODEL YEAR SPECIFIED			STD
002-003	SET FORWARD AXLE - TRUCK	-480	480	N/C
019-006	TRAILER TOWING PROVISION AT END OF FRAME WITH SAE J560	10	10	N/C
003-001	LH PRIMARY STEERING LOCATION			STD
General Service				
AA1-003	TRUCK/TRAILER CONFIGURATION			N/C
AA6-001	DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)			STD
A85-011	CONSTRUCTION SERVICE			STD
A84-1GM	GOVERNMENT BUSINESS SEGMENT			N/C
AA4-010	DIRT/SAND/ROCK COMMODITY			STD
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS			STD
AB1-008	MAXIMUM 8% EXPECTED GRADE			STD
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE			STD
995-1A6	WESTERN STAR SEVERE SERVICE WARRANTY			N/C
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 20000.0 lbs			
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 30000.0 lbs			
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 50000.0 lbs			
A70-99D	EXPECTED GROSS COMBINATION WEIGHT : 80000.0 lbs			

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 BARRINGTON town of
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 BARRINGTON, NH 03825
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 MANCHESTER, NH 03103
 Phone: 603-668-1700

Data Code	Description	Weight Front	Weight Rear	Retail Price
Truck Service				
AA3-018	FRONT PLOW/END DUMP BODY			N/C
AF3-1E7	DONOVAN EQUIPMENT			N/C
Tractor Service				
AA2-005	FLATBED TRAILER			N/C
AH6-001	SINGLE (1) TRAILER			N/C
Engine				
101-3BP	CUM L9 330 HP @ 2200 RPM; 2200 GOV RPM, 1000 LB-FT @ 1200 RPM	-850	-70	(\$18,892.00)
Electronic Parameters				
79A-059	59 MPH ROAD SPEED LIMIT			N/C
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT			N/C
79G-107	10 MINUTE IDLE SHUTDOWN - CONTINUOUS OVERRIDE WITH CLUTCH AND SERVICE BRAKE			N/C
79K-009	PTO MODE ENGINE RPM LIMIT - 1200 RPM			N/C
79M-002	PTO MODE BRAKE OVERRIDE - SERVICE BRAKE APPLIED OR PARK BRAKE NOT APPLIED			N/C
79P-004	PTO RPM WITH CRUISE SET SWITCH - 900 RPM			N/C
79Q-004	PTO RPM WITH CRUISE RESUME SWITCH - 900 RPM			N/C
79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH			N/C
79U-001	PTO GOVERNOR RAMP RATE - 25 RPM PER SECOND			N/C
79V-001	FUEL DOSING OF AFTERTREATMENT ENABLED IN PTO MODE-CLEANS HYDROCARBONS AT HIGH TEMPERATURES ONLY			N/C
79W-024	CRUISE CONTROL BUTTON PTO CONTROL			N/C
79X-001	PTO SPEED 1 SETTING - 700 RPM			N/C
79Y-022	PTO SPEED 2 SETTING - 700 RPM			N/C
79Z-019	PTO SPEED 3 SETTING - 700 RPM			N/C
80E-001	ENGINE FAN ENABLED WITH RETARDER			N/C
80G-002	PTO MINIMUM RPM - 700			STD
80L-004	ENABLE DPF REGEN STAY WARM			N/C
80S-001	PTO 1, DASH SWITCH, STATIONARY OPERATION			STD
Engine Equipment				
99C-021	2010 EPA/CARB/GHG21 CONFIGURATION			STD

Prepared for:
 Marc Moreau
 BARRINGTON town of
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 BARRINGTON, NH 03825
 Phone: 603-948-5203

Prepared by:
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 MANCHESTER, NH 03103
 Phone: 603-668-1700

	Data Code	Description	Weight Front	Weight Rear	Retail Price
	99D-011	2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR)			STD
	13E-001	STANDARD OIL PAN			N/C
N	105-015	OIL FILL AND DIPSTICK LOCATED FOR ENHANCED SERVICEABILITY			\$83.00
	014-111	SIDE OF HOOD AIR INTAKE WITH ENGINE MOUNTED AIR CLEANER, WITH INSIDE/OUTSIDE AIR AND SNOW DOOR			\$759.00
	124-1E1	DR 12V 200 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE	-10		\$56.00
	292-222	(3) DTNA GENUINE, HIGH TEMP AGM STARTING AND CYCLING, MIN 2775CCA, 570RC, THREADED STUD BATTERIES			STD
	290-1AC	PASSENGER SEAT BATTERY BOX VENTED TO OUTSIDE OF CAB			STD
	282-013	BATTERY BOX MOUNTED UNDER PASSENGER SEAT			STD
	291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN			STD
	289-006	PLASTIC BATTERY BOX COVER			STD
	293-058	POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	2		\$261.00
	295-029	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2		\$118.00
	306-015	PROGRESSIVE LOW VOLTAGE DISCONNECT AT 12.3 VOLTS FOR DESIGNATED CIRCUITS	2		N/C
	107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE			N/C
	152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM			STD
	128-032	C-BRAKE BY JACOBS WITH LOW/OFF/HIGH BRAKING DASH SWITCH			N/C
	016-1C2	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE			STD
	28F-015	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD ACTIVE REGENERATION AND VIRTUAL REGENERATION REQUEST SWITCH IN CLUSTER AND DASH MOUNTED INHIBIT SWITCH			STD
	239-032	11 FOOT 00 INCH (132 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT			N/C

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Data Code	Description	Weight Front	Weight Rear	Retail Price
237-1CR	RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP			STD
23U-002	13 GALLON DIESEL EXHAUST FLUID TANK	9	3	(\$187.00)
23Z-005	UNPOLISHED ALUMINUM WST DIESEL EXHAUST FLUID TANK COVER			STD
43X-001	LH HEAVY DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION			STD
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP			STD
242-001	STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAILPIPE SHIELD			STD
273-059	ELECTRONICALLY CONTROLLED VARIABLE SPEED VISCOUS FAN DRIVE			\$246.00
276-002	AUTOMATIC FAN CONTROL WITH DASH SWITCH AND INDICATOR LIGHT, NON ENGINE MOUNTED			\$10.00
122-1H4	DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR AND 12 VOLT PREHEATER	10		\$238.00
110-003	CUMMINS SPIN ON FUEL FILTER			N/C
118-001	FULL FLOW OIL FILTER			STD
266-109	1400 SQUARE INCH VOCATIONAL RADIATOR WITH PROTECTION PACKAGE	20		\$337.00
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT			STD
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT			STD
270-016	RADIATOR DRAIN VALVE			N/C
168-002	LOWER RADIATOR GUARD			STD
360-013	1350 ADAPTER FLANGE FOR FRONT PTO PROVISION	20		\$1,338.00
138-011	PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER	4		\$20.00
166-005	PHILLIPS-TEMRO 300 WATT/115 VOLT OIL PREHEATER	4		\$46.00
140-022	CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR			\$80.00
132-004	ELECTRIC GRID AIR INTAKE WARMER			N/C
155-055	DELCO 12V 39MT HD/OCP STARTER WITH THERMAL PROTECTION AND INTEGRATED MAGNETIC SWITCH	-45		N/C

Transmission

342-582	ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	-230	-130	(\$13,887.00)
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Transmission Equipment

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Data Code	Description	Weight Front	Weight Rear	Retail Price
343-339	ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV			STD
84B-002	ALLISON VOCATIONAL RATING FOR CONCRETE MIXER APPLICATIONS ONLY AVAILABLE WITH 3000 PRODUCT FAMILIES			N/C
84C-023	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			STD
84D-020	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 3, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			N/C
84E-000	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84F-000	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84G-000	PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84H-000	SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84N-200	FUEL SENSE 2.0 DISABLED - PERFORMANCE - TABLE BASED			N/C
85E-009	MAXIMUM ENGINE SPEED FOR PTO ENGAGEMENT 900 RPM			N/C
85F-034	MAXIMUM ENGINE SPEED FOR PTO OPERATION 2000 RPM			N/C
86Q-998	NO TCU - AMT SHIFT CALIBRATION			STD
353-076	QUICKFIT BODY LIGHTING CONNECTOR AT END OF FRAME, WITH BLUNTCUTS			\$200.00
34C-011	ELECTRONIC TRANSMISSION WIRING TO CUSTOMER INTERFACE CONNECTOR			N/C
362-823	CUSTOMER INSTALLED CHELSEA 280 SERIES PTO			STD
363-001	PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION ALLISON			N/C
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN			STD
345-003	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED			\$289.00
370-006	WATER TO OIL TRANSMISSION COOLER			STD

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346-003	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK			STD
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)			STD
Front Axle and Equipment				
400-1AC	MFS-20-133A 20,000# FL1 71.0 INCH KPI/3.74 INCH DROP SINGLE FRONT AXLE	240		\$945.00
418-060	CONMET PRESET PLUS PREMIUM IRON FRONT HUBS	20		(\$640.00)
402-030	MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES	10		(\$278.00)
403-002	NON-ASBESTOS FRONT BRAKE LINING			STD
419-023	CONMET CAST IRON FRONT BRAKE DRUMS			\$336.00
427-001	FRONT BRAKE DUST SHIELDS	5		(\$3.00)
409-006	FRONT OIL SEALS			STD
408-016	STEMCO ALUMINUM VENTED FRONT HUB CAPS WITH WINDOW AND CENTER AND SIDE PLUGS - OIL			\$16.00
405-003	HALDEX AUTOMATIC FRONT SLACK ADJUSTERS			\$172.00
536-104	DUAL POWER STEERING GEARS, BENDIX 16-20K	80		\$1,542.00
534-003	4 QUART POWER STEERING RESERVOIR	5		N/C
533-001	OIL/AIR POWER STEERING COOLER	5		N/C
40T-003	SYNTHETIC 40/50W FRONT AXLE LUBE			\$8.00
Front Suspension				
620-043	9,500# LEFT, 10,500# RIGHT MIXER/PLOW FLAT LEAF FRONT SUSPENSION (20,000#)	250		\$682.00
619-002	THREADED SPRING PINS AND BUSHINGS - FRONT SUSPENSION			N/C
410-001	FRONT SHOCK ABSORBERS			\$207.00
Rear Axle and Equipment				
N	420-024	RS-30-185 30,000# U-SERIES SINGLE REAR AXLE	-1,990	(\$2,666.00)
	450-014	WEBB IRON REAR HUBS	20	(\$986.00)
	421-538	5.38 REAR AXLE RATIO		N/C
	424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		STD
	386-074	MXL 176T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES	-25	(\$127.00)
	388-998	NO INTERAXLE (#3) DRIVELINE		(\$518.00)

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*	452-001	DRIVER CONTROLLED TRACTION DIFFERENTIAL - SINGLE REAR AXLE		20	\$734.00
	878-018	(1) DRIVER CONTROLLED DIFFERENTIAL LOCK REAR VALVE FOR SINGLE DRIVE AXLE			N/C
	87B-008	INDICATOR LIGHT FOR EACH DIFFERENTIAL LOCKOUT SWITCH			N/C
	423-010	MERITOR 16.5X7 P CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, CAST SHOES		20	(\$410.00)
	433-002	NON-ASBESTOS REAR BRAKE LINING			STD
	434-012	BRAKE CAMS AND CHAMBERS ON REAR SIDE OF DRIVE AXLE(S)			N/C
*	451-018	WEBB CAST IRON REAR BRAKE DRUMS		50	N/C
	425-002	REAR BRAKE DUST SHIELDS		5	(\$100.00)
	440-006	REAR OIL SEALS			STD
	426-100	WABCO TRISTOP D LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS		-20	(\$322.00)
	428-003	HALDEX AUTOMATIC REAR SLACK ADJUSTERS			\$172.00
	41T-002	CURRENT AVAILABLE SYNTHETIC 75W-90 REAR AXLE LUBE			N/C
	42T-001	STANDARD REAR AXLE BREATHER(S)			STD
Rear Suspension					
	622-1DF	30,000# FLAT LEAF SPRING REAR SUSPENSION WITH HELPER AND RADIUS ROD		200	(\$1,943.00)
	621-114	8.5 INCH NOMINAL RIDE HEIGHT (430MM GLOBAL REFERENCE HEIGHT)			N/C
	431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP			STD
	87D-998	NO REAR AIR SUSPENSION VALVE WIRING/LOGIC			N/C
	910-998	NO REAR CHASSIS SUSPENSION AIR PIPING			N/C
	623-005	FORE/AFT CONTROL RODS			N/C
	439-998	NO REAR SHOCK ABSORBERS		-60	N/C
Brake System					
	490-1AU	WABCO 4S/4M ABS WITH TRACTION CONTROL WITH ATC SHUT OFF SWITCH			(\$383.00)
	871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES			STD
	432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE			STD
	480-086	BW AD-9SI BRAKE LINE AIR DRYER WITH HEATER			\$83.00
	479-015	AIR DRYER FRAME MOUNTED			N/C

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460-091	ALUMINUM AIR BRAKE RESERVOIRS, NO TRIPLE OR TORPEDO TANKS	-25	-25	\$465.00
477-019	BW DV-2 AUTO DRAIN VALVE WITH HEATER TO WET TANK; DRAIN VALVE CABLES ON ALL OTHER TANKS			\$141.00
485-037	CAB BLOW OUT KIT WITH AIR HOSE AND NOZZLE INSIDE LH CAB ENTRY DOOR	2		\$125.00
Trailer Connections				
914-025	AIR CONNECTIONS TO END OF FRAME WITH GLAD HANDS FOR TRUCK AND DUST COVERS			\$95.00
919-060	(1) ADDITIONAL SWITCH FOR ELEC/AIR SOLENOID W/STATE RETENTION PLUMBED TO BACK OF CAB			\$199.00
296-010	PRIMARY CONNECTOR/RECEPTACLE WIRED FOR SEPARATE STOP/TURN, ABS CENTER PIN POWERED THROUGH IGNITION			\$40.00
303-025	SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME			\$130.00
87G-005	OPTIONAL AIR SWITCH 1 WITH NO INTLK			N/C
Wheelbase & Frame				
545-102	4590MM (181 INCH) WHEELBASE, SFA ONLY			N/C
546-106	13.0MM X 87.0MM X 311.0MM STEEL FRAME (0.51X3.43X12.24 INCH) 120 KSI	120	410	\$1,123.00
552-029	1575MM (62 INCH) REAR FRAME OVERHANG			N/C
55W-006	FRAME OVERHANG RANGE: 61 INCH TO 70 INCH	-30	90	N/C
549-002	24 INCH INTEGRAL FRONT FRAME EXTENSION	120		\$187.00
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 99.21 in			
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 295.31 in			
ZF1-99D	FRAME HEIGHT TOP FRONT UNLADEN : 35.7 in			
ZF2-99D	FRAME HEIGHT TOP FRONT LADEN : 31.84 in			
ZF3-99D	FRAME HEIGHT TOP REAR UNLADEN : 43.32 in			
ZF4-99D	FRAME HEIGHT TOP REAR LADEN : 40.3 in			
553-001	SQUARE END OF FRAME			STD
559-001	STANDARD WEIGHT ENGINE CROSSMEMBER			STD
561-001	STANDARD CROSSMEMBER BACK OF TRANSMISSION			STD
562-028	HEAVY DUTY MIDSHIP #1 CROSSMEMBER	10	10	\$158.00
572-078	HEAVY DUTY REAR C-CHANNEL CROSSMEMBER, NON-TOWING		70	(\$36.00)
565-001	STANDARD SUSPENSION CROSSMEMBER		30	N/C

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568-001	STANDARD WEIGHT REAR SUSPENSION CROSSMEMBER			\$465.00
Chassis Equipment				
025-001	UNPOLISHED ALUMINUM WST EQUIPMENT COVERS			STD
5CF-001	CLEAR FRAME SPACE REQUESTED			\$200.00
556-800	TEMPORARY STEEL BUMPER	-40		(\$629.00)
558-998	NO FRONT TOW HOOKS	-15		N/C
551-032	CLASS 10.9 THREADED METRIC FASTENERS; REAR SUSPENSION HANGER TO BE HUCK-SPIN			STD
44Z-002	EXTERIOR HARNESSSES WRAPPED IN ABRASION TAPE			STD
61B-998	NO TOOL/STORAGE BOX #1 MOUNTING LOCATION			STD
61C-998	NO TOOL/STORAGE BOX #2 MOUNTING LOCATION			STD
489-998	NO TIRE PRESSURE CONTROL/SENSOR			STD
605-998	CHASSIS,MISC CUSTOM REQUIREMENTS-NONE			STD
924-007	LEFT HAND SIDE HEAVY DUTY BRACKETS REQUIRED			\$21.00
928-007	RIGHT HAND SIDE HEAVY DUTY BRACKETS REQUIRED			\$21.00
Fifth Wheel				
581-998	NO FIFTH WHEEL RAMP			STD
Fuel Tanks				
204-151	60 GALLON/227 LITER ALUMINUM FUEL TANK - LH	-5		(\$86.00)
218-006	25 INCH DIAMETER FUEL TANK(S)			STD
215-007	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH POLISHED STAINLESS STEEL BANDS			\$105.00
212-007	FUEL TANK(S) FORWARD			STD
664-001	PLAIN STEP FINISH			STD
205-002	CHROME FUEL TANK CAP(S)			N/C
216-020	EQUIFLO INBOARD FUEL SYSTEM			STD
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE			STD
Tires				
093-2CC	MICHELIN XZU-S2 315/80R22.5 20 PLY RADIAL FRONT TIRES	100		\$736.00

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094-2CM	MICHELIN X WORKS XDY 315/80R22.5 20 PLY RADIAL REAR TIRES		232	\$1,472.00
Wheels				
502-664	ALCOA ULTRA ONE 89U63X 22.5X9.00 10-HUB PILOT 3.12 INSET 10-HD ALUMINUM FRONT WHEELS	-44		\$170.00
* 505-356	ALCOA ULTRA ONE 89U64X 22.5X9.00 10-HUB PILOT 5.99 INSET ALUMINUM REAR WHEELS		52	\$360.00
511-998	NO SPARE WHEEL			STD
51A-998	NO ADDITIONAL SPARE WHEEL			STD
52L-998	NO POLISHED, BRIGHT STANDARD POLISH, BRUSHED OR BRIGHT LVL ONE SPARE WHEEL			STD
496-011	FRONT WHEEL MOUNTING NUTS			STD
497-011	REAR WHEEL MOUNTING NUTS			STD
495-998	NO PUSHER/TAG WHEEL MOUNTING NUTS			STD
498-011	NYLON WHEEL GUARDS FRONT AND REAR ALL INTERFACES			\$29.00
Cab Exterior				
829-053	111 INCH BBC CONVENTIONAL ALUMINUM CAB			STD
82A-028	STAINLESS STEEL CAB ACCENT MOLDING			STD
704-998	NO BAGGAGE DOOR			STD
695-998	NO SLEEPER DOOR			STD
667-001	FRONT FENDERS			STD
754-017	BOLT-ON MOLDED FLEXIBLE FENDER EXTENSIONS	10		\$115.00
678-066	INTERIOR GRAB HANDLES WITH ADDED LOWER LH AND RH A PILLAR GRAB HANDLES AND LH AND RH EXTERIOR NON-SLIP GRAB HANDLES			STD
65X-010	BRIGHT HOOD MOUNTED AIR INTAKE GRILLE, BLACK SCREEN, WITH LED ACCENT LIGHTS			STD
640-016	X-SERIES STEEL REINFORCED ALUMINUM CAB			STD
644-049	X-SERIES VOCATIONAL HOOD WITH ACCESS HATCH	10		\$384.00
67U-001	HOOD OPENING ASSIST WITH LOCKING STRUT			STD
652-016	WESTERN STAR NAMEPLATES			STD
727-012	DUAL HADLEY SD-978 26 INCH RECTANGULAR AIR HORNS			STD
726-002	DUAL ELECTRIC HORNS			\$12.00
657-001	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME			STD
78G-003	KEY QUANTITY OF 3			\$9.00

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575-001	REAR LICENSE PLATE MOUNT END OF FRAME			STD
327-012	SWITCH, INDICATOR LIGHT AND WIRING FOR (2) CUSTOMER FURNISHED BEACONS			\$69.00
312-095	DUAL STAGE INTELLIGENT LED HEADLIGHTS WITH HEATED LENS SYSTEM			STD
302-073	VISOR MOUNTED LED MARKER LIGHTS			N/C
314-824	WIRING AND SWITCH FOR CUSTOMER FURNISHED SNOW PLOW LAMPS WITH DUAL CONNECTIONS AT BUMPER			\$162.00
311-001	DAYTIME RUNNING LIGHTS			STD
294-1AY	INTEGRAL LED STOP/TAIL/BACKUP LIGHTS			STD
300-043	LED SIDE TURN SIGNAL			STD
318-1D7	(2) FLUSH LED UTILITY LIGHTS MOUNTED BACK OF CAB/SLEEPER	6		\$172.00
31K-800	SWITCH & WIRING TO LH/RH OF DASH FOR C/F MIRROR MOUNTED UTILITY LIGHTS			\$12.00
596-998	NO LOAD LOCK CARRIERS			STD
744-105	C-BAR MIRROR SYSTEM WITH DUAL HEATED MIRRORS WITH INTEGRAL HEATED CONVEX, DUAL REMOTE, STAINLESS STEEL BACK COVER, AND BRIGHT C-BAR	20		\$13.00
796-001	102 INCH EQUIPMENT WIDTH			STD
743-209	LH AND RH CONVEX MIRRORS INTEGRAL WITH PRIMARY MIRRORS			STD
74A-001	RH DOWN VIEW MIRROR			STD
729-001	STANDARD SIDE/REAR REFLECTORS			STD
787-998	NO SECURITY DEVICE			(\$15.00)
677-098	UNPOLISHED ALUMINUM WST AFTERTREATMENT SYSTEM COVER			STD
776-998	NO SLEEPER VENT			STD
764-020	STAINLESS STEEL EXTERIOR SUN VISOR WITH INTEGRAL MARKER LIGHTS	16		\$538.00
768-064	SINGLE SOLAR TINTED REAR WINDOW, (1) 31 INCH X 20 INCH			STD
76Z-998	NO SIDE SLEEPER CAP WINDOWS			STD
* 663-038	1-PIECE ROPED-IN TUFGLASS WINDSHIELD HEATED			\$1,458.00
659-006	8 LITER (2 GAL) WINDSHIELD WASHER RESERVOIR, CAB MOUNTED, WITH FLUID LEVEL INDICATOR			STD

Cab Interior

055-015	X-SERIES BASE INTERIOR TRIM LEVEL PACKAGE			STD
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707-1CW	QUARRY GRAY VINYL BASE LEVEL INTERIOR			\$186.00
70K-016	CARBON WITH BASE BLACK ACCENT			STD
772-035	BLACK MATS WITH ADDED FLOOR HEAT AND NOISE INSULATION			\$167.00
785-014	(2) DASH MOUNTED POWER OUTLETS AND COIN TRAY			STD
691-001	FORWARD ROOF MOUNTED CONSOLE			STD
68L-998	NO AUX ELECTRICAL VAULT CLEAR SPACE REQUEST			STD
693-019	LH AND RH DOOR STORAGE POCKETS INTEGRATED INTO MOLDED DOOR PANELS			STD
741-015	(2) COAT HOOKS ON BACKWALL OF CAB			STD
738-021	DIGITAL ALARM CLOCK IN DRIVER DISPLAY			STD
742-998	NO CUP/THERMOS HOLDER			STD
720-035	2-1/2 LB. FIRE EXTINGUISHER MOUNTED INBOARD OF DRIVER SEAT	5		\$35.00
170-045	STANDARD HEATER PLUMBING WITH BALL SHUTOFF VALVES AT SUPPLY LINES ONLY			\$19.00
698-001	RADIATOR MOUNTED AIR CONDITIONER CONDENSER			STD
739-033	STANDARD INSULATION			STD
322-998	NO BAGGAGE COMPARTMENT LIGHT			STD
324-1B3	STANDARD LED CAB LIGHTING			STD
325-998	NO SLEEPER INTERIOR LAMP			STD
655-028	LH AND RH ELECTRIC DOOR LOCKS WITH AUTO UNLOCK FEATURE WHEN DOOR IS SET FROM OPEN TO CLOSED POSITION			STD
64C-003	BLACK DOOR HANDLES			STD
337-998	NO AC 120V CAB WIRING AND AC OUTLET			STD
722-028	TRIANGULAR REFLECTORS KIT WITHOUT FLARES SHIPPED LOOSE IN CAB	10		\$24.00
756-1J6	PREMIUM 2.0 HIGH BACK AIR SUSPENSION DRIVER SEAT WITH 2 AIR LUMBAR, INTEGRATED CUSHION EXTENSION, TILT AND ADJUSTABLE SHOCK	20		\$23.00
760-294	BATTERY BOX MID BACK NON SUSPENSION PASSENGER SEAT			STD
757-001	BLACK SUSPENSION COVER FOR AIR DRIVER SEAT	2		\$50.00
759-009	INBOARD DRIVER SEAT ARMREST, NO PASSENGER SEAT ARMREST	2		(\$32.00)
758-135	BLACK MORDURA CLOTH DRIVER SEAT COVER WITH EMBROIDERED LOGO			STD

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761-138	BLACK MORDURA CLOTH PASSENGER SEAT COVER WITH NO LOGO			STD
763-1AB	3 POINT HIGH VISIBILITY ORANGE ADJUSTABLE D-RING RETRACTOR DRIVER AND FIXED D-RING RETRACTOR PASSENGER SEAT BELTS			\$17.00
725-998	NO SUPPLEMENTAL RESTRAINT SYSTEM			STD
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN			STD
540-044	4-SPOKE 18 INCH (450MM) BLACK STEERING WHEEL WITH SWITCHES			STD
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS			STD
Instruments & Controls				
015-007	STOCK TRUCK/UPFIT PACKAGE LVL 2			N/C
185-004	STANDARD FOOT PEDAL SYSTEM			STD
106-002	ELECTRONIC ACCELERATOR CONTROL			STD
870-001	BLACK GAUGE BEZELS			STD
734-018	STANDARD CENTER INSTRUMENT PANEL			STD
838-001	(1) SINGLE BRAKE APPLICATION AIR GAUGE			\$114.00
840-001	DUAL NEEDLE PRIMARY AND SECONDARY AIR PRESSURE GAUGE			STD
198-003	DASH MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS	2		\$25.00
721-001	97 DB BACKUP ALARM		3	\$34.00
149-015	ELECTRONIC CRUISE CONTROL WITH CONTROLS ON STEERING WHEEL SPOKES			STD
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY			STD
3ZM-998	NO MULTIMEDIA BOX			STD
811-044	PREMIUM INSTRUMENT CLUSTER WITH 5.0 INCH TFT COLOR DISPLAY			STD
81B-003	DIGITAL PANEL LAMP DIMMER SWITCH IN DRIVER DISPLAY			STD
160-045	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR WITH DUST CAP LOCATED BELOW LH DASH			STD
844-001	2 INCH ELECTRIC FUEL GAUGE			STD
148-072	ENGINE REMOTE INTERFACE WITH MULTIPLE SET SPEEDS			\$49.00
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE			STD
854-998	NO ENGINE OIL TEMPERATURE GAUGE			(\$36.00)

Prepared for:
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 333 CALEF HWY
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 220 FRONTAGE RD.
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 Phone: 603-668-1700

Data Code	Description	Weight Front	Weight Rear	Retail Price
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE			STD
864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE			STD
867-004	ELECTRONIC OUTSIDE TEMPERATURE SENSOR DISPLAY IN DRIVER MESSAGE CENTER			STD
830-031	ENGINE, TRIP AND PTO HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY			STD
372-123	PTO CONTROLS FOR ENHANCED VEHICLE ELECTRIC/ELECTRONIC ARCHITECTURE			STD
736-998	NO OBSTACLE DETECTION SYSTEM			(\$4,324.00)
49B-998	NO VEHICLE STABILITY ADVISOR OR CONTROL			(\$354.00)
73B-998	NO LANE DEPARTURE WARNING SYSTEM			(\$1,080.00)
35M-010	QUICKFIT PROGRAMMABLE INTERFACE MODULE	10		\$154.00
6TS-008	(2) TMC RP1226 ACCESSORY CONNECTORS: (1) LOCATED BEHIND PASSENGER SIDE REMOVABLE DASH PANEL (1) CENTER OF OVERHEAD CONSOLE			\$30.00
1U1-002	TOP OF DASH RAM MOUNT WITHOUT POWER OR GROUND, FOR CUSTOMER FURNISHED DEVICE			\$32.00
746-136	AM/FM/WB WORLD TUNER RADIO WITH AUXILIARY INPUT, J1939			(\$200.00)
747-001	DASH MOUNTED RADIO			STD
750-041	STANDARD SPEAKER SYSTEM			STD
753-998	NO AM/FM RADIO ANTENNA			(\$11.00)
748-014	COBRA 29NW LTD CLASSIC FACTORY INSTALLED CB RADIO	5		\$184.00
749-001	ROOF/OVERHEAD CONSOLE CB RADIO PROVISION			STD
751-001	SINGLE REMOTE SPEAKER WITH LEAD FOR 2-WAY RADIO			STD
752-004	SINGLE FIBERGLASS LH MIRROR MOUNTED CB ANTENNA WITH BRACKET AND LEAD			STD
75W-001	HEADLINER MULTI-BAND ANTENNA: AM/FM/WEATHERBAND, WIFI/BLUETOOTH, GNSS/GPS			\$75.00
75A-998	NO RADIO-MTG,UHF/VHF			STD
75B-998	NO ANTENNA-RADIO,UHF/VHF			STD
737-998	NO TELEVISION ANTENNA/PROVISION			STD
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER			STD

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Data Code	Description	Weight Front	Weight Rear	Retail Price
812-032	ELECTRONIC 2500 RPM TACHOMETER			STD
813-1C8	DETROIT CONNECT PLATFORM HARDWARE			STD
8D2-998	NO PREMIUM REMOTE UPDATES SERVICE			STD
162-002	IGNITION SWITCH CONTROLLED ENGINE STOP			STD
329-133	FOUR EXTRA HARDWIRED SWITCHES IN DASH, ROUTE TO BETWEEN SEATS, BLUNTCUT			\$150.00
4C1-025	HARDWIRE SWITCH #1, ON/OFF LATCHING, 20 AMPS IGNITION POWER			\$15.00
4C2-025	HARDWIRE SWITCH #2, ON/OFF LATCHING, 20 AMPS IGNITION POWER			\$15.00
4C3-016	HARDWIRE SWITCH #3, ON/OFF LATCHING, 20 AMPS IGNITION POWER			\$15.00
4C4-016	HARDWIRE SWITCH #4, ON/OFF LATCHING, 20 AMPS IGNITION POWER			\$15.00
81Y-005	PRE-TRIP INSPECTION FEATURE FOR EXTERIOR LAMPS ONLY			STD
482-001	BW TRACTOR PROTECTION VALVE			\$120.00
883-001	TRAILER HAND CONTROL BRAKE VALVE	2		\$35.00
842-001	2 INCH TURBO AIR PRESSURE GAUGE			STD
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY			STD
304-030	ROTARY HEADLAMP SWITCH, MARKER LIGHTS/HEADLIGHTS SWITCH WITH PULL OUT FOR OPTIONAL FOG/ROAD LAMPS			N/C
882-004	TWO VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR			\$30.00
299-028	MANUAL TURN SIGNAL SWITCH WITH DIMMER, HEADLAMP FLASH, WASH/WIPE/INTERMITTENT			\$6.00
N 4E1-013	PROGRAMMABLE SWITCHES/INDICATORS LOCATED IN AUXILIARY PANEL			N/C
48H-004	QUICKFIT POWERTRAIN INTERFACE CONNECTOR UNDER CAB WITH BLUNTCUTS			\$96.00
* 4CG-001	1 EXTRA PROGRAMMABLE SWITCH/INDICATOR \$A1A0206ZZ			\$37.00
4CH-005	5 EXTRA PROGRAMMABLE SWITCHES/INDICATORS			\$116.00
48C-004	QUICKFIT PROGRAMMABLE INTERFACE CONNECTOR(S) UNDER CAB WITH BLUNTCUTS			\$46.00
Design				
065-000	PAINT: ONE SOLID COLOR			STD
Color				
980-7ED	CAB COLOR A: L0180EY MAROON ELITE EY			N/C

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Data Code	Description	Weight Front	Weight Rear	Retail Price
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT			STD
966-972	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)			N/C

Certification / Compliance

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

* 514-064	315/80R22.5 20 PLY RADIAL FRONT TIRES			N/C
* 521-579	MICHELIN X WORKS XDY REAR TIRES			N/C

Raw Performance Data

5LA-001	CFS,LH,OB,#1,START 1" BOC			N/C
5LB-072	CFS,LH,OB,#1, 72" LONG			N/C
5MA-001	CFS,RH,OB,#1,START 1" BOC			N/C
5MB-073	CFS,RH,OB,#1, 73" LONG			N/C

Sales Programs

NO SALES PROGRAMS HAVE BEEN SELECTED

TOTAL VEHICLE SUMMARY

Adjusted List Price

Adjusted List Price ** \$195,867.00

Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight ⁺	8421 lbs	5910 lbs	14331 lbs
Total Weight ⁺	8421 lbs	5910 lbs	14331 lbs

ITEMS NOT INCLUDED IN ADJUSTED LIST PRICE

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Other Factory Charges

PNZ-002	CARB22 BASE WARRANTY DD8 DS/B6.7/ L9 >=330	\$1,670.00
PMV-021	GHG21 ENHANCEMENT PRICE	\$510.00
RFY-022	FRONT TIRE SURCHARGE	\$50.00
RFU-022	REAR TIRE SURCHARGE	\$100.00
RFZ-023	MY23 PRODUCTION COST SURCHARGE	\$4,500.00
P73-2WS	STANDARD DESTINATION CHARGE	\$2,700.00

(+) Weights shown are estimates only.

If weight is critical, contact Customer Application Engineering.

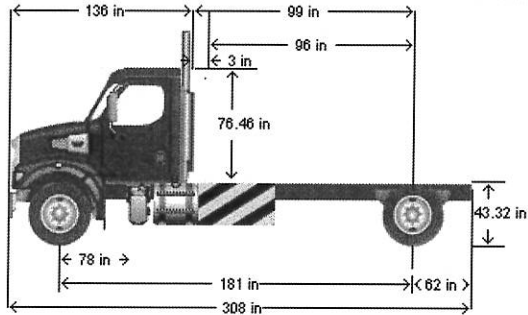
(**) Prices shown do not include taxes, fees, etc... "Net Equipment Selling Price" is located on the Quotation Details Proposal Report.

(***) 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.

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D I M E N S I O N S



VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS

Model	47X
Wheelbase (545)	4590MM (181 INCH) WHEELBASE, SFA ONLY
Rear Frame Overhang (552)	1575MM (62 INCH) REAR FRAME OVERHANG
Fifth Wheel (578)	NO FIFTH WHEEL
Mounting Location (577)	NO FIFTH WHEEL LOCATION
Maximum Forward Position (in)	0
Maximum Rearward Position (in)	0
Amount of Slide Travel (in)	0
Slide Increment (in)	0
Desired Slide Position (in)	0.0
Cab Size (829)	111 INCH BBC CONVENTIONAL ALUMINUM CAB
Sleeper (682)	NO SLEEPER BOX/SLEEPER CAB
Exhaust System (016)	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE

TABLE SUMMARY - DIMENSIONS

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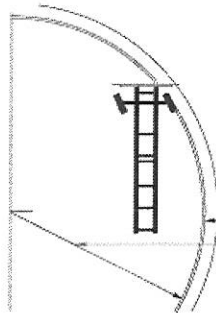
Dimensions	Inches
Bumper to Back of Cab (BBC)	135.6
Bumper to Centerline of Front Axle (BA)	78.1
Min. Cab to Body Clearance (CB)	3.0
Back of Cab to Centerline of Rear Axle(s) (CA)	99.2
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	96.2
Back of Cab Protrusions (Exhaust/Intake) (CP)	2.0
Back of Cab Protrusions (Side Extenders/Trim Tab) (CP)	0.0
Back of Cab Protrusions (CNG Tank)	0.0
Back of Cab Clearance (CL)	3.0
Back of Cab to End of Frame	172.2
Cab Height (CH)	76.5
Wheelbase (WB)	180.7
Frame Overhang (OH)	62.0
Overall Frame Length	295.3
Overall Length (OAL)	307.9
Rear Axle Spacing	0.0
Unladen Frame Height at Centerline of Rear Axle	43.3

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.

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TURNING RADIUS



Turning radius graphic and data provided strictly for comparisons between model configurations. Weather, road surfaces, and tire treads affect the results. It is strongly suggested that actual vehicles be measured before constructing any roads/driveways using this information. For specific figures regarding your configuration, please contact your CAE representative.

	Dimensions	Tolerance
Wall to Wall Diameter (ft)	64.2	+/- 3.0
Curb to Curb Diameter (ft)	53.8	+/- 3.0
Turning Radius (ft)	26.4	+/- 1.5

VEHICLE SPECIFICATIONS SUMMARY - TURNING RADIUS

Model 47X
 Cab Size (829)..... 111 INCH BBC CONVENTIONAL ALUMINUM CAB
 Wheelbase (545) 4590MM (181 INCH) WHEELBASE, SFA ONLY
 Front Tires (093)..... MICHELIN XZU-S2 315/80R22.5 20 PLY RADIAL FRONT TIRES
 Width (in) 12.5
 Front Axle (400)..... MFS-20-133A 20,000# FL1 71.0 INCH KPI/3.74 INCH DROP SINGLE FRONT AXLE
 Kingpin Intersection (in) 71
 Bumper (556) TEMPORARY STEEL BUMPER
 Width (in) 95.51
 Bumper Miter to Front Axle (in) 100.118
 Primary Steering Location (003) LH PRIMARY STEERING LOCATION
 Steering Gear (536)..... DUAL POWER STEERING GEARS, BENDIX 16-20K
 Dual Steering Gear IPS90
 Ram NONE
 Rear Axle (420) RS-30-185 30,000# U-SERIES SINGLE REAR AXLE
 Axle Spacing (624) NO AXLE SPACING

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.



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

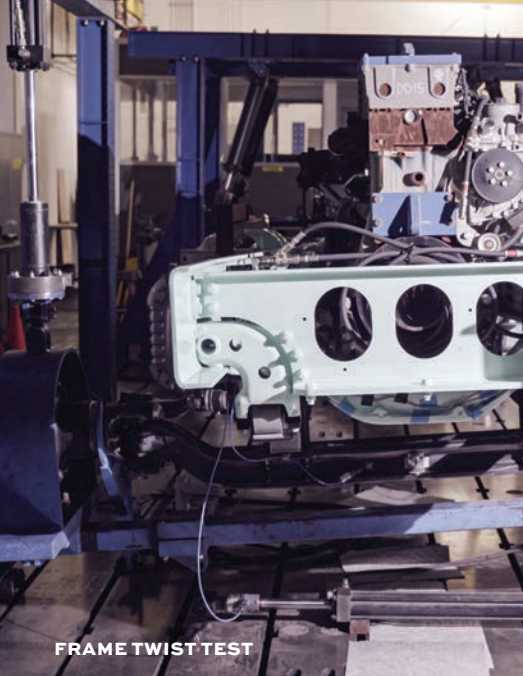
TESTING



CAB INTEGRITY TEST



DURABILITY INSPECTION



FRAME TWIST TEST



CAB CRUSH TEST



MADRAS FRAME TWIST DURABILITY TRACK



SHAKE TEST

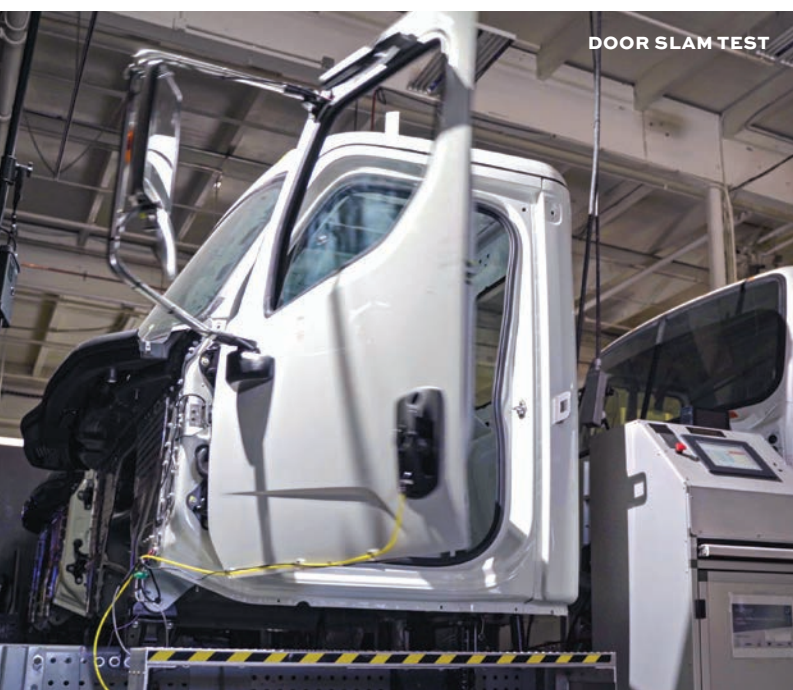


MADRAS ROUGH ROAD TESTING TRACK

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 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.



111.6"



121.5"

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

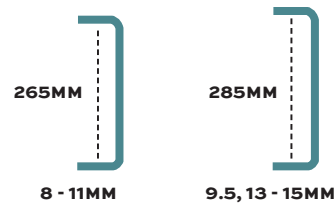
All-new heavy-duty vocational chassis

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.

FRAME HEIGHTS

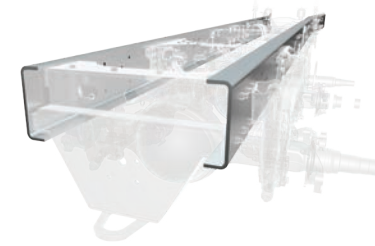


FRAME	RBM (MILLION INCH-LBS)
8MM	1.8
9MM	2.0
9.5MM	2.5
11MM	2.5
13MM	3.2
15MM	3.8
13MM WITH 6MM REINFORCEMENT	4.5
15MM WITH 9MM REINFORCEMENT	5.6



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.



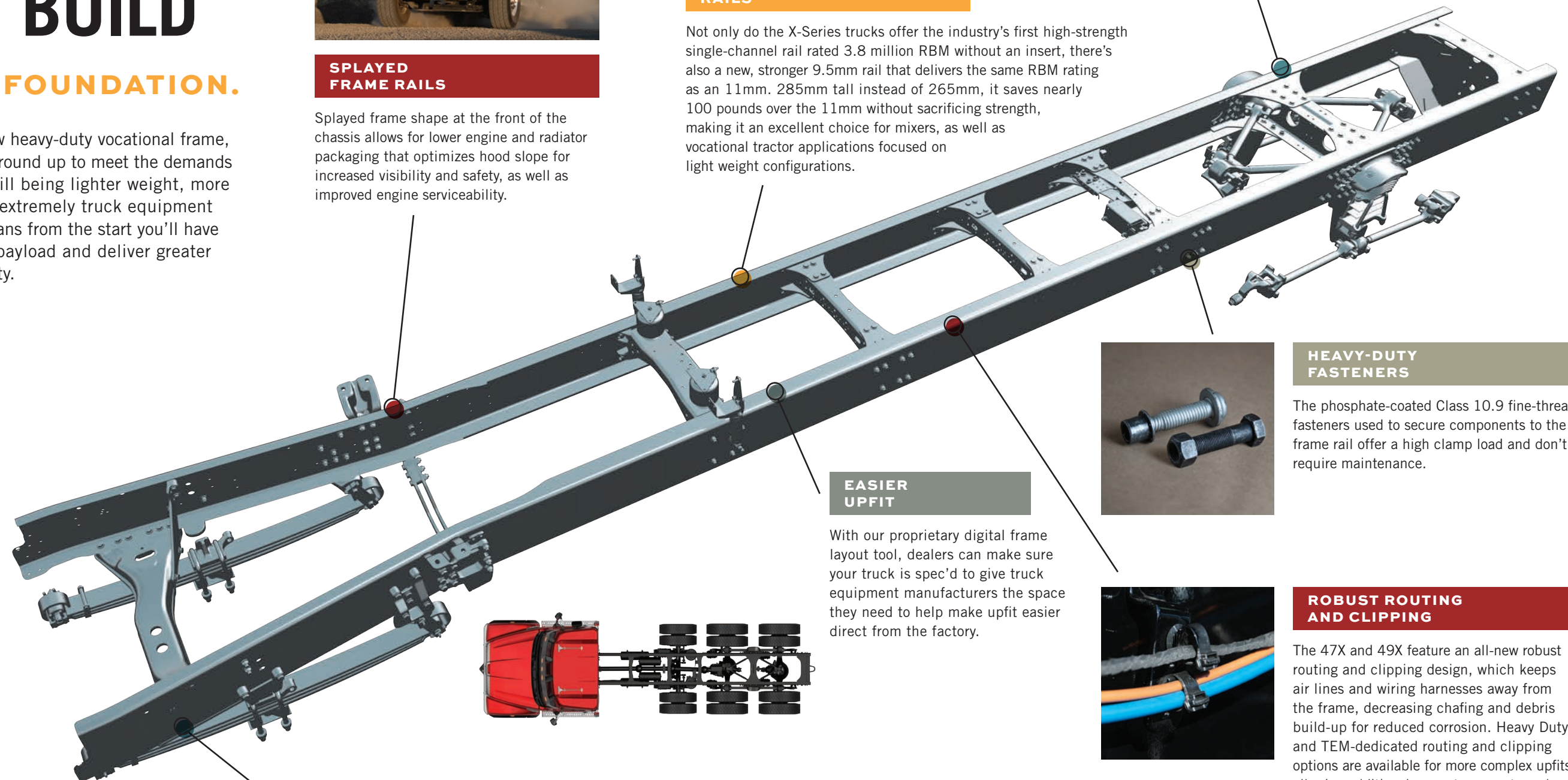
SINGLE-CHANNEL RAILS

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.



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.



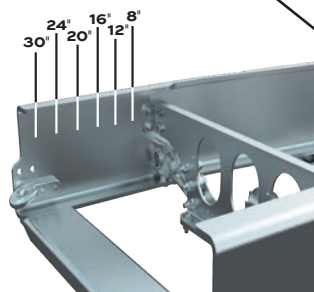
ROBUST ROUTING AND CLIPPING

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 chafing 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.



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.



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 tow 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

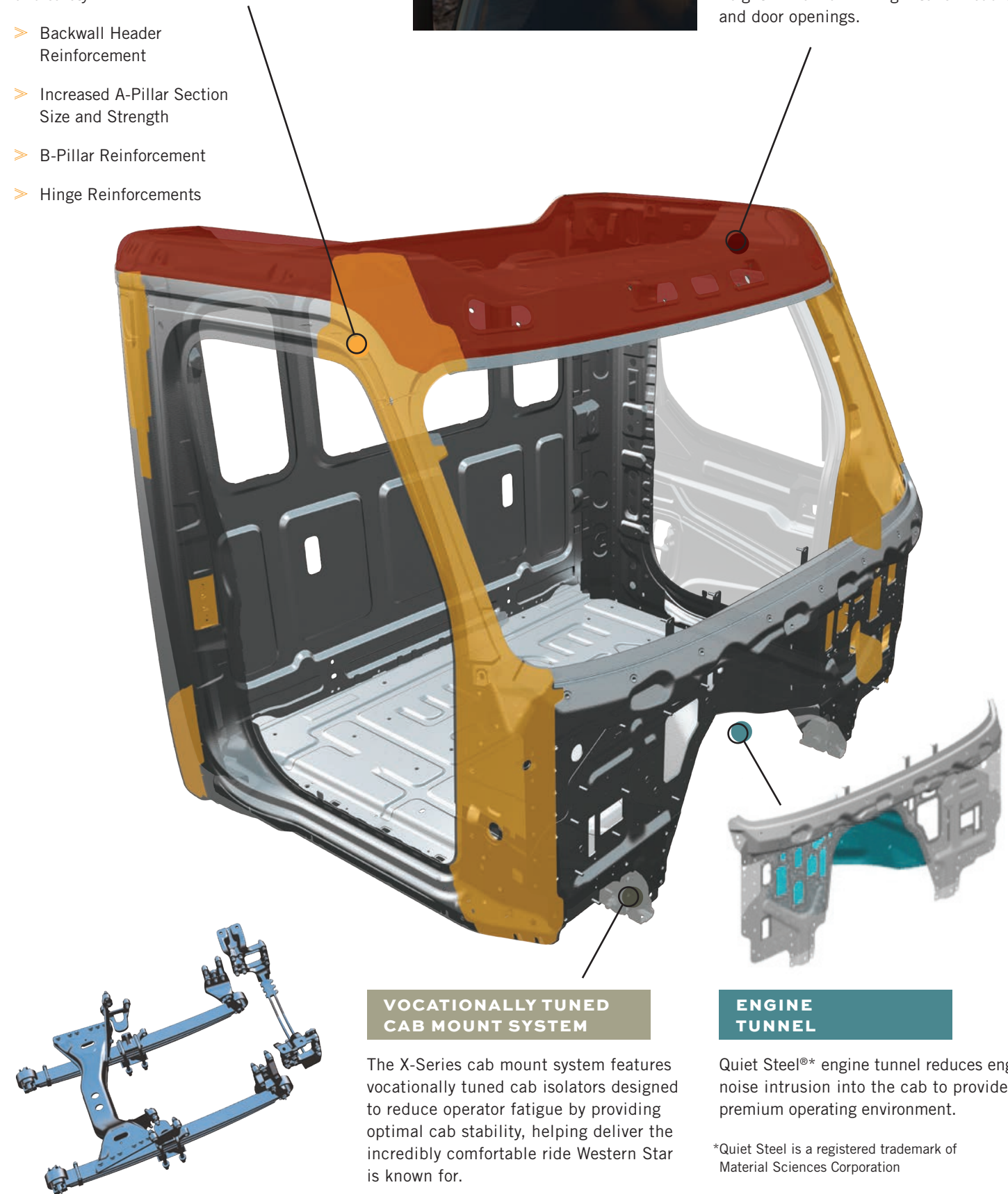
Our engineers use state-of-the-art topology optimization technology to place structural material and reinforcements strategically to minimize weight while maximizing toughness and safety.

- > 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

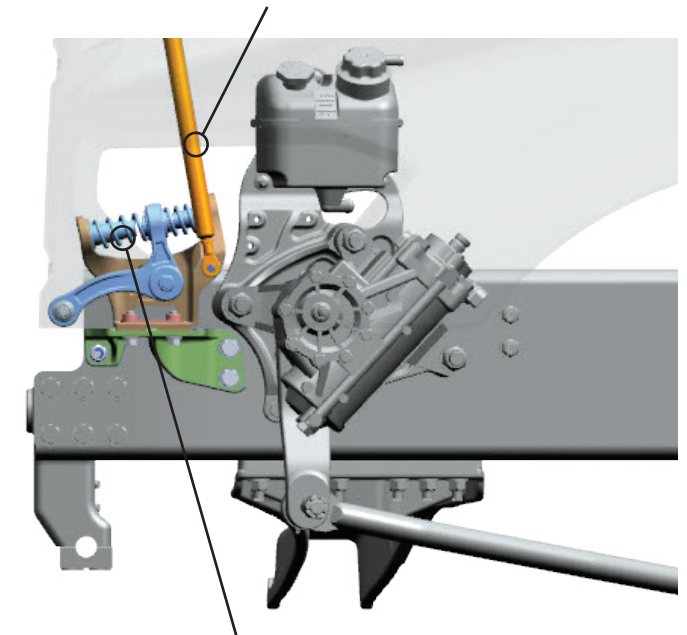


STRONGER. LIGHTER.

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.



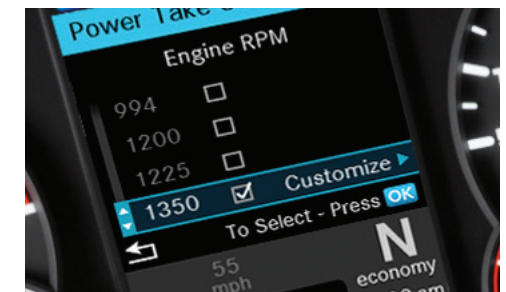
VOCATIONAL SWITCHES

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

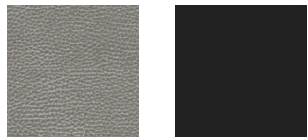
AS OUR ENGINEERING.

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 16-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



49X
DETROIT®
DD16®
HORSEPOWER
 Up to 600 HP
TORQUE
 Up to 2,050 lb-ft



47X
CUMMINS
L9
HORSEPOWER
 Up to 380 HP
TORQUE
 Up to 1,250 lb-ft



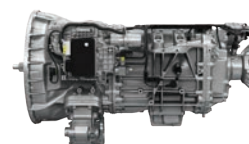
47X / 49X
CUMMINS
X12
HORSEPOWER
 Up to 500 HP
TORQUE
 Up to 1,700 lb-ft



49X
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.



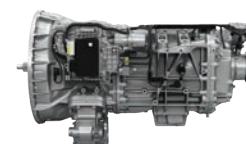
47X / 49X
DT12-V
 Automated Manual Vocational Transmission

TORQUE
2,250 lb-ft

GCW
160,000 lbs

REAR PTO
Yes

BOTTOM PTO
Yes



49X
DT12-VX
 Automated Manual Extreme Vocational Transmission

TORQUE
2,500 lb-ft

GCW
330,000 lbs*

REAR PTO
Yes

BOTTOM PTO
Yes



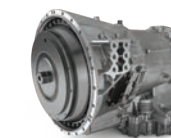
47X / 49X
EATON FULLER
 Manual and Automated Manual Transmissions

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

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 of moving and stationary objects in its path and determines if warning or 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 uses a fused camera and radar system, which is cutting-edge technology.



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.



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.

*With DT12-V or DT12-VX transmission.

- > 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



BEST-IN-CLASS SAFETY

Safe by design

SAFETY

THAT IS EASY TO SEE.

INTELLIGENT LED HEADLIGHTS

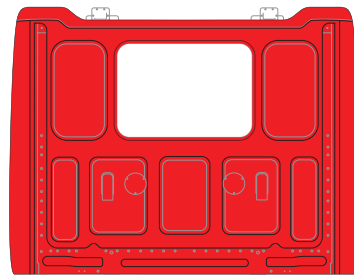
Dual Stage Intelligent LED Headlights are designed to last the lifetime of the truck, with no bulbs to replace ever. Plus, they deliver best-in-class visibility and improved safety with:

- 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

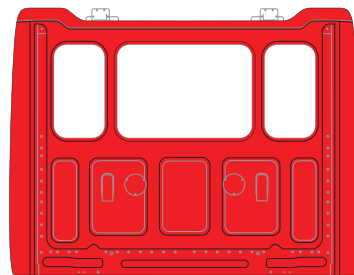


REAR WINDOW OPTIONS

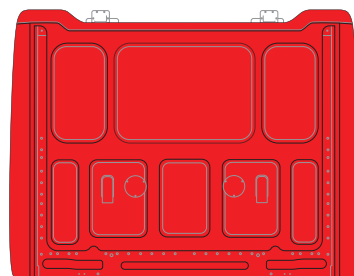
Rear visibility is also maximized on our X-Series trucks. A large single center rear window is standard with day cabs while our new optional high-visibility three-window configuration increases the rear window area by 77% over our previous models. Optional impact-resistant polycarbonate rear window configurations 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:
 - QuikFit 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

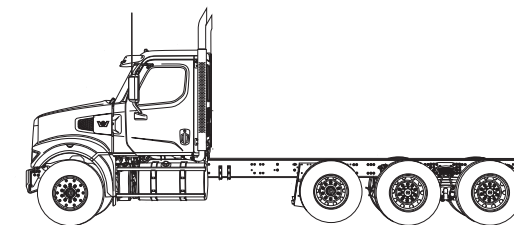


FLEXPANEL

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

MID-CHASSIS PACKAGING

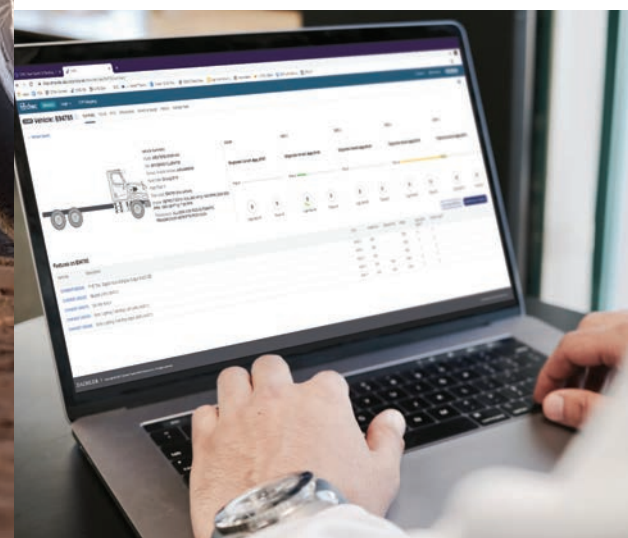
The X-Series chassis was designed to make it easier than ever to mount bodies for any application.



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.



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.



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 topstack

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®, TufTrac, 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

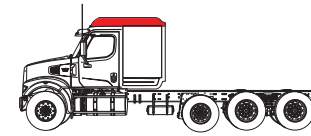
AND KEEP THEM ON YOUR TEAM.

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.



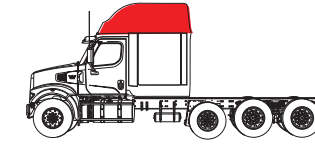
X-SERIES SLEEPER

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



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, ExceleratorSM 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®



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**

DAIMLER | Western Star - A Daimler Group Brand

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Cleveland, NC Portland, OR

