

# SERIOUS TRUCKS



**4700** SF SB

Truck and Tractor



**Serious trucks.**<sup>SM</sup>

# ONE GREAT TRUCK GETS EVEN BETTER.

The name Western Star means more than quality and value. It means getting the job done, period. We created a workhorse with input from you – the people who actually do the jobs. So, we know the kind of situations these trucks are getting into and, more importantly, out of.

For more than 50 years, Western Star has been building trucks to take on the impossible. Trucks like the Western Star® 4700, purpose-built to be rugged and reliable, now with innovations that make it lighter, safer and more efficient. That's how you take a great performer and make it even better.



## WIN WITH WESTERN STAR

- Incredible driver comfort
- Purpose-built manufacturing
- Advanced safety features
- Proven power solutions
- Exceptional fuel efficiency
- Lightweight options
- Body builder-friendly engineering
- Excellent durability and uptime
- Unmatched support

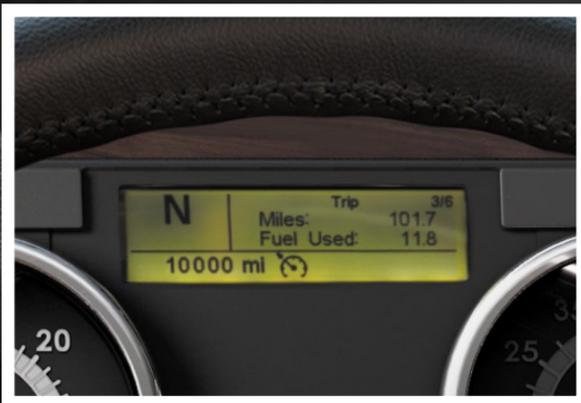


# IN CONTROL, COMFORTABLY.

This truck is truly built around the driver. Inside, you'll find a modern dash with an easy-to-read instrument cluster, paired with a steering wheel and column with integrated controls that keep you in command. It's all in a cab that's 72 inches wide to make it a place where you'll love to work every day.

## UPDATED INSTRUMENT CLUSTER

- Gauges that provide more information to the driver in intuitive format
- A multi-function LCD readout that delivers the data and alerts your driver wants to see most



Heavy-duty switches allow customers to customize switch function on a per switch basis.

RP1226-compliant telematics pre-wire allows you to use your own box.

The dash comes ready for electronic device installation.

Optional ATC on/off switch disengages automatic traction control to help prevent trucks from getting stuck.

Dual USB ports and 12-volt outlet for digital connections and charging.

In-cab electrical panels with plug-in fuses or auto reset circuit breakers are easily accessible and help prevent possible damage.



## DOOR PANELS

- Durable surfaces that are easy to clean
- Deep storage pockets for easy access
- Strong handholds to help you get in and out safely



Suspended clutch and brake pedals offer additional safety.

Hydraulic clutch control decreases pedal effort and driver fatigue.

Additional room between the kick panel and the clutch pedal lets you stretch out.

Optional, customer-configurable indicators with customized alert icons.

## STATE-OF-THE-ART LEATHER-WRAPPED STEERING WHEEL

- Bluetooth® hands-free connection for mobile phones
- Integrated controls for the stereo, cruise control and headlight interrupt so drivers can keep their hands on the wheel

## ADJUSTABLE STEERING COLUMN

- Full range of motion for increased driver comfort
- Left side: turn signal with integrated wiper
- Right side: easy-to-use transmission and engine brake control stalk (pictured)

# EXPERIENCE THE GREAT INDOORS.

The Western Star 4700 is built to be as inviting as it is functional. It all starts with our spacious cab, inside of which you'll find a number of innovations to make every day on the road or jobsite an unforgettable driving experience.



## INCREDIBLE QUALITY INSIDE AND OUT

From functional to luxurious, we have you – and your truck – covered. With vinyl that's thicker and more durable, Mordura cloth that's tough and stain-resistant, and the Laredo Leather option that's as rugged as it is good looking, you can create the space that works for you.

### 40-INCH SLEEPER

- Provides a comfortable place to rest during long shifts
- Extends hours of service and achieve mandatory off-duty time
- Honeycomb construction saves weight
- Provides increased insulation and sound resistance for greater comfort

### SEAT FABRIC OPTIONS



Vinyl



Mordura Cloth



Laredo Leather

### BASE INTERIOR



Gray

### PREMIUM INTERIOR



Obsidian Black



Smoky Mountain Gray

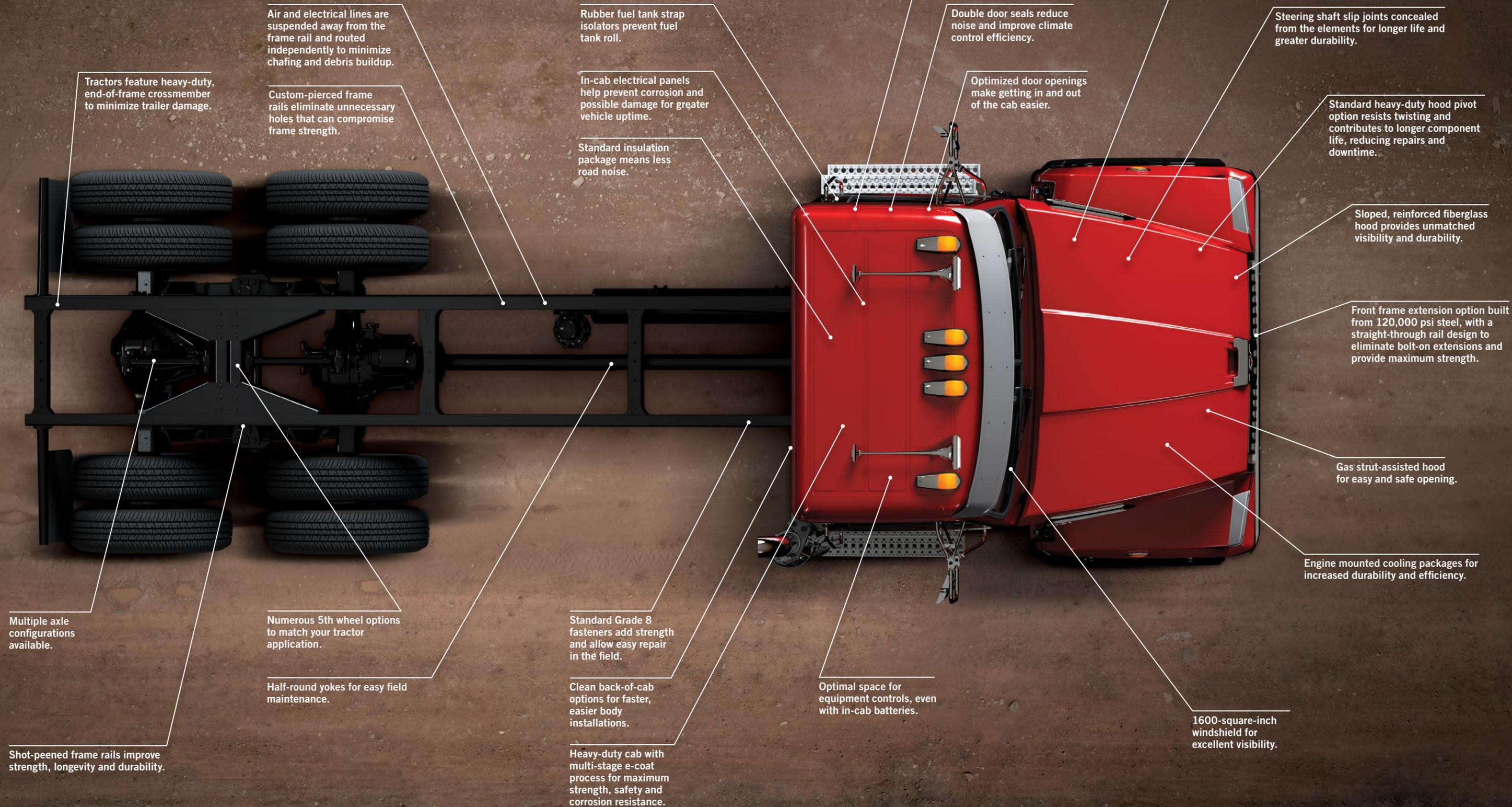


Prairie Buckskin



Maple Leaf Red

# THE SUM IS GREATER THAN ITS PARTS. AND THE PARTS ARE ALREADY GREAT.



Tractors feature heavy-duty, end-of-frame crossmember to minimize trailer damage.

Air and electrical lines are suspended away from the frame rail and routed independently to minimize chafing and debris buildup.

Custom-pierced frame rails eliminate unnecessary holes that can compromise frame strength.

Rubber fuel tank strap isolators prevent fuel tank roll.

In-cab electrical panels help prevent corrosion and possible damage for greater vehicle uptime.

Standard insulation package means less road noise.

Durable steel door handles are easy to open, even with gloves on.

Double door seals reduce noise and improve climate control efficiency.

Optimized door openings make getting in and out of the cab easier.

Advanced steering geometry with up to 55-degree wheel cuts make getting into and out of tight spaces easy.

Steering shaft slip joints concealed from the elements for longer life and greater durability.

Standard heavy-duty hood pivot option resists twisting and contributes to longer component life, reducing repairs and downtime.

Sloped, reinforced fiberglass hood provides unmatched visibility and durability.

Front frame extension option built from 120,000 psi steel, with a straight-through rail design to eliminate bolt-on extensions and provide maximum strength.

Gas strut-assisted hood for easy and safe opening.

Engine mounted cooling packages for increased durability and efficiency.

1600-square-inch windshield for excellent visibility.

Multiple axle configurations available.

Numerous 5th wheel options to match your tractor application.

Half-round yokes for easy field maintenance.

Shot-peened frame rails improve strength, longevity and durability.

Standard Grade 8 fasteners add strength and allow easy repair in the field.

Clean back-of-cab options for faster, easier body installations.

Heavy-duty cab with multi-stage e-coat process for maximum strength, safety and corrosion resistance.

Optimal space for equipment controls, even with in-cab batteries.

# WE TAKE YOUR SAFETY SERIOUSLY.

There's no such thing as an afterthought on a Western Star. We analyzed every inch of the 4700 to find ways to make your job safer and easier. If it could be made safer or stronger, we made it happen. The result? A truck that's as safe as it is tough.



## INCREDIBLE VISIBILITY

The sloped hood on the 4700 looks good and helps you see even better. It opens up sightlines for greater visibility which, combined with a 110-inch BBC and wheel cut of up to 55 degrees, makes for great maneuverability on the jobsite.

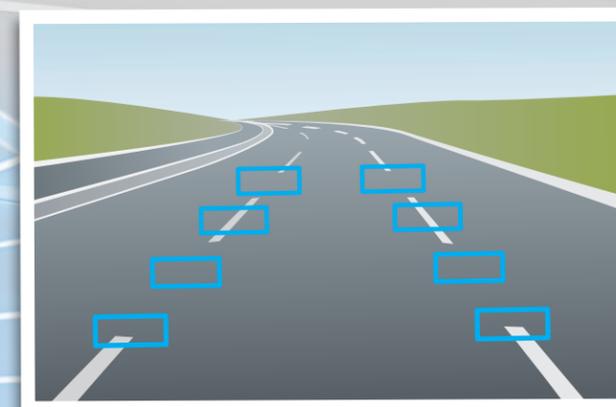


## WABCO® ONGUARD™ COLLISION MITIGATION SYSTEM

This radar safety system detects objects and alerts drivers audibly, visually and physically, applying braking power and reducing engine torque to help diminish collision severity.

## ADAPTIVE CRUISE CONTROL (ACC)

ACC helps reduce driver fatigue by maintaining the set speed when the lane ahead is clear and automatically adjusting to maintain a safe following distance when a vehicle ahead is detected.



## LANE DEPARTURE WARNING SYSTEM (LDW)

Even experienced drivers can drift off course, which is why we have Lane Departure Warning. Audio alerts from the LDW system indicate if the truck is drifting left or right so that drivers can make the appropriate correction.

## THE WESTERN STAR CAB

- Welded for greater strength and safety
- Multi-stage e-coat dipped for corrosion resistance

## WIPER/HEADLIGHT ENGAGEMENT

For added safety, anytime the windshield wipers are turned on the 4700 automatically engages the headlights, making your truck more visible to those around you.



# THE POWER OF CHOICE.

With both Detroit™ and Cummins engine options, having enough power for your application is never a concern. Matching that power to the 110-inch BBC of the 4700 gives you a truck or tractor that packs plenty of punch in a small package.

## DETROIT™ DD13®

350-505HP, 1250-1850lb-ft.



Along with proven fuel efficiency, easy serviceability and an impressively broad torque curve, the DD13 also includes:

- A cooling system with shorter fan-on times for increased fuel efficiency
- A B50 life of 1 million miles
- A three-stage integrated Jacobs® engine brake for quieter engine braking and superior braking power
- Power Take-Off (PTO) availability for vocational applications
- A proprietary asymmetric turbocharger to improve performance
- An Amplified Common Rail System (ACRS™) to optimize combustion control

## CUMMINS X12

350-500HP, 1250-1700lb-ft.



Less weight means more freight. The X12 delivers all the power of a 13L with the weight of an 11L. The X12 offers:

- 600 pounds lighter than other medium-bore engines and 150 pounds less than the next lightest engine
- Revolutionary low-friction design for higher MPG
- Lower operating costs
- 90% of peak torque available in less than 1.5 seconds
- B50 life of 1 million miles
- Compatibility with a broad choice of fully automatic, AMT and manual transmissions

## CUMMINS L9

260-380HP, 720-1250lb-ft.



The L9 has a long track record of superior performance, reliability, safety and low maintenance, with features like:

- Superior drivability
- Excellent power-to-weight ratio
- VGT® Turbocharger for improved responsiveness and fuel economy
- XPI Fuel System for improved fuel efficiency and smoother operation
- Single Module Aftertreatment to save weight
- Single High-Capacity Electronic Control Module (ECM) for optimized performance



DETROIT™



# A SMOOTH TRANSFER OF POWER.

Every job has its own transmission needs. That's why we offer you a number of manual, automated manual and automatic options from Detroit, Eaton Fuller and Allison. Each one is engineered to deliver the dependability to keep your truck working hard.

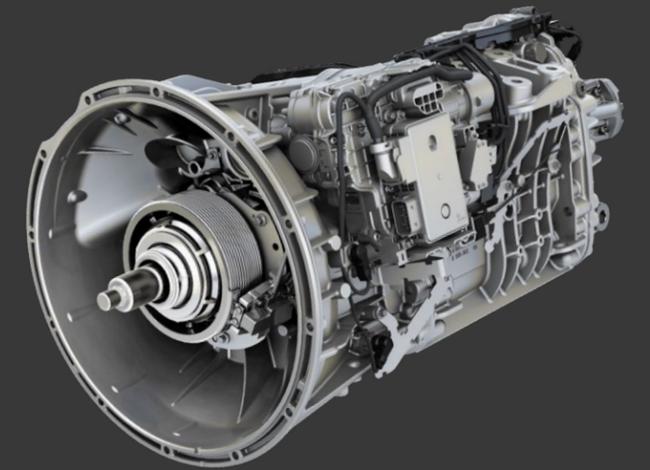
## DETROIT™ DT12® AUTOMATED MANUAL TRANSMISSION

Strong, smooth and efficient, the DT12 is built to maximize uptime and efficiency with:

- Aluminum housing and single countershaft to help save weight, allowing for even more payload efficiency while still offering excellent durability
- Available proprietary rear-mounted Power Take-Off (PTO) that allows customers in Bulk Haul applications to operate tankers, aggregate trailers and walking floor trailers
- Creep Mode to improve low-speed maneuverability while also improving start-off traction in slippery conditions
- High-speed computer controlled shift and clutch actuators that select the best gear and shift pattern for fuel economy and driving conditions
- Increased safety through hill start aid, auto neutral and ergonomic control features

### TRANSMISSION

Detroit™ DT12®
Eaton Fuller 10-, 11-, 13-, 15- and 18-speed
Eaton Fuller Ultrashift PLUS
Allison Automatic 3000, 3500, 4000, 4500, 4700



# BOOST UPTIME AND PROFITABILITY EVEN MORE.

## DETROIT™ CONNECT VIRTUAL TECHNICIAN™

Our innovative feature saves time and money on costly repairs by:

- Transmitting critical engine fault data and diagnostics within minutes
- Identifying problems and letting you know whether to keep driving or stop immediately
- Collecting and reporting data in the Detroit Connect Portal, putting access and control at your fingertips
- Directing you to the nearest location with the needed parts in stock



# LESS WEIGHT MEANS MORE PAYLOAD.

You need the performance of a heavy-duty vehicle. You just don't need the heavy. After all, the less your truck weighs, the more you can haul. That's why you can spec your 4700 to be one of the lightest without having to compromise. So, you'll not only save weight, you'll still get the power and durability that makes owning a Western Star a strong decision.



The underhood air cleaner removes up to 30 pounds of weight while improving aerodynamics and efficiency.

Multiple fuel and DEF tank options allow you to create the lightest possible configuration for your application.

An in-cab battery box positioned under the passenger seat and vented to the outside offers easy access and a weight savings of as much as 130 pounds.

Multiple lightweight 5th wheel choice available including forged aluminum, non-sliding and other lighter steel options.

Single rear wheels and tires instead of a traditional dual design gives you an extra 500 pounds you can use for payload.

Aluminum clutch housing saves 50 pounds without any reduction in safety or durability.

The optional Cummins X12 is up to 600 pounds lighter than other medium-bore engines and 150 pounds lighter than the next lightest engine in its class.

Made from light and durable polished aluminum, our 14-inch tapered sweptback bumper offers the ultimate in weight savings and good looks.

# EASIER UPFIT SAVES YOU IN MORE WAYS THAN ONE.

We're not always the final stage of assembly on your truck, so we worked with those who are. Body builders helped us create a truck that's a dream to work with and work on, featuring body builder-specific options that reduce installation time, help ease maintenance and save you money. An extensive body builder book available. Ask your dealer for more details.

## THIRD POWER DISTRIBUTION MODULE (PDM)

- Greatly improves power capacity allowing for more switches and controls
- Incorporates a modern, more reliable circuit board design
- Conveniently located in place of the glovebox, providing more space between the seats

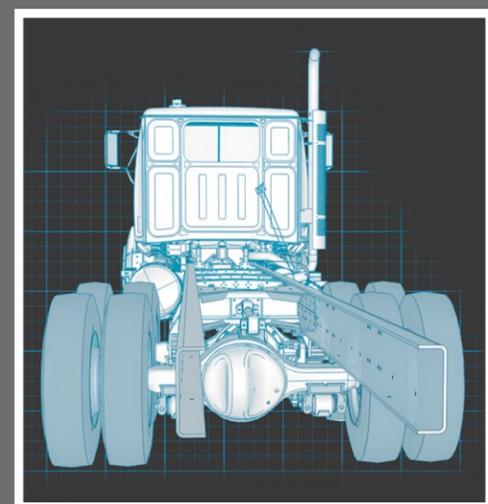
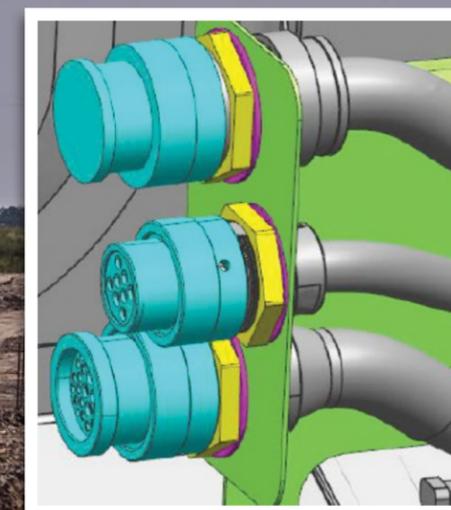


## PTO OPTIONS

- Front or rear engine PTO available
- SAE PTO options for Eaton and Allison transmissions
- Optional rear-mounted PTO on the Detroit™ DT12® for stationary applications
- Standard stationary grille for more convenient equipment installation

## CUSTOMER INTERFACE CONNECTION (CIC)

- Standardized, connector-based interface
- Reduces upfit time
- Allows for ease of finding a circuit/feature
- Located between the seat and the back wall

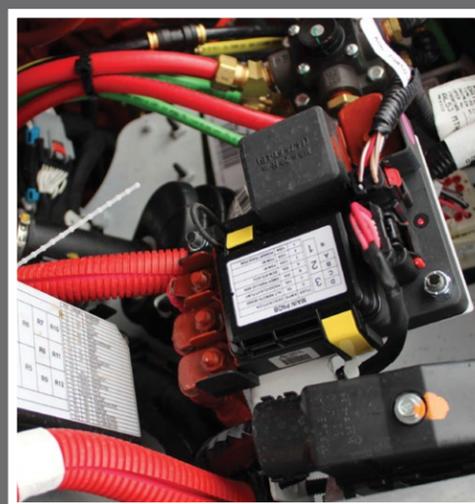


## SINGLE-CHANNEL FRAME RAILS

- Lightweight solution rated at 3.2M RBM
- Factory custom-drilled for your application for added strength and faster upfit
- Single-channel construction resists corrosion

## CLEAN BACK OF CAB

- No oddly placed stacks or brackets
- Easy to add the body you want
- Flexible exhaust options help save as much as a foot of chassis length



## BODY BUILDER-FRIENDLY POWER AND GROUND ACCESS

- Adds interface points throughout the vehicle for ground interfacing
- Adds heavy power interface to the front wall
- Can be pre-wired between the seats
- Offers ease of power access

## LASER-ETCHED WIRING

- Speeds installation time
- Eases circuit identification
- Simplifies electrical issue diagnosis

## REMOTE THROTTLE INTERFACE

- Allows body builder to increase or decrease the RPM
- Can be located between the seats, under the dash, in the engine compartment or on the back of the cab
- Provides the operator more options for controlling the equipment

## REMOTE START/STOP

- Allows you to start and stop the engine remotely
- Includes built-in safety features
- Offers customer flexibility of feature

# SERIOUS TRUCKS. SERIOUS SUPPORT.

Truck or tractor, the 4700 is a platform you can depend on for value and dependability for years to come. Comfort, efficiency, low cost of ownership. It's all there in a package that delivers day in and day out.

At both our flagship plant in Portland, Oregon, and our state-of-the-art Daimler plant in Cleveland, North Carolina, Western Star® trucks are assembled by hand, using the toughest Western Star components and the most advanced Daimler technology available. It's not the least expensive way to build a truck, but it is the Western Star way.



## EXTENSIVE PARTS AVAILABILITY

Our goal is to keep you working. That's why your dealer has an experienced service center team and carries a wide selection of parts, with access to an even greater variety through our expanding global network of parts distribution centers. You get the support you need to grow – no matter where you do business.

## COMPETITIVE FINANCING

Being part of the Daimler Truck Financial family means we can get you into the right truck at the right price with rates that are competitive with anyone, including banks. Plus, because we know the transportation and vocational business, it's simple to get the financing you need – and into the Western Star you want.

## COMPREHENSIVE WARRANTY

Every new Western Star comes with a limited warranty that covers defects in material and/or workmanship which will be repaired free of charge within the warranty period. For warranty claims or for a detailed explanation of warranty coverage, please contact your local dealer.

## ADVANCED CONNECTIVITY

As a part of Daimler Trucks North America, Western Star trucks are available with a number of connectivity features that can enhance your uptime and profitability. Real-time data allows you to make informed decisions that can help your business grow. Ask your dealer about what advanced connectivity can mean for you.

## ELITE SUPPORT

The ultimate goal of the Elite Support<sup>SM</sup> Network is maximizing vehicle uptime. With Elite Support, you'll get:

- Consistent, high-standard service during every visit across our network
- Rapid diagnosis, responsive turnaround, consistent communication, robust parts availability and superb customer service
- Highly-trained technicians experienced in servicing all components of your vehicle
- Exceptional amenities and a comfortable environment for drivers as we work to get your truck back on the road

## EXPRESS ASSESSMENT

Because time is money, all Elite Support<sup>SM</sup> Certified locations participate in Express Assessment. Express Assessment means that within 2 hours of service write-up, the dealer will communicate primary diagnosis, check parts availability and provide an estimate of cost and repair time to get you back on the road as soon as possible.



SF  
SB

# 4700



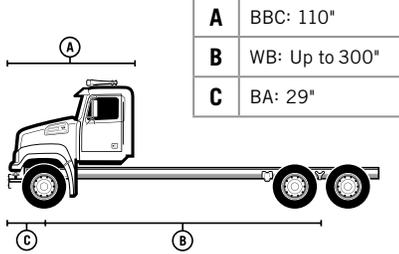
WESTERN STAR

4700SB available in All-Wheel Drive, see All-Wheel Drive Tech Sheet

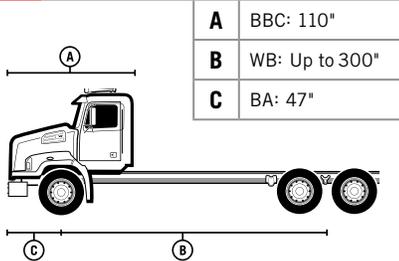
## PROVEN PERFORMANCE. AND READY TO PROVE IT AGAIN.

We designed the 4700 to be as hard-working as every driver who climbs in the cab, with options for any size job. And if you don't see what you need, just ask your dealer.

### SF SET FORWARD AXLE

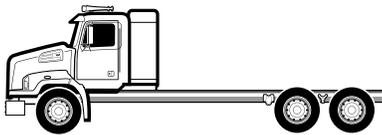


### SB SET BACK AXLE

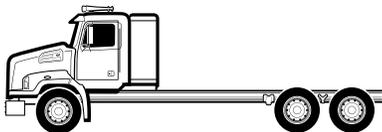


### SLEEPER

40" Low Roof and Ultra Low Roof with single bunk



40" Low Roof Sleeper



40" Ultra Low Roof Sleeper

### BODY BUILDER FEATURES

- Multiple clean back-of-cab configurations
- Dedicated floor channel to easily route harnesses
- Quick-access, bolt-in, pass-through plate in cab floor
- Standardized, connector-based body builder interface in the cab
- Standard in-cab batteries with optional frame mounts
- 3.2MM RBM single-channel frame rail
- Third Power Distribution Module
- Optional remote throttle interface
- Optional remote start and stop
- Multiple front and rear PTO options

### CAB

- Standard galvanized steel with roped-in windshield
- Severe Duty galvanized steel with roped-in or bonded windshield

### AIR INTAKE

- Optional pre-cleaners
- Optional inside/outside air with snow doors and dash switch control

### ENGINE

- Cummins L9, 260-380HP, 720-1250lb-ft.
- Cummins X12, 350-500HP, 1250-1700lb-ft.
- Detroit™ DD13®, 350-505HP, 1250-1850lb-ft.

### TRANSMISSION

- Detroit™ DT12®
- Eaton Fuller 10-, 11-, 13-, 15- and 18-speed
- Eaton Fuller Ultrashift PLUS
- Allison Automatic 3000, 3500, 4000, 4500, 4700

### FRONT AXLE

- Detroit™ single 12,000-23,000 lbs
- Meritor single 12,000-22,000 lbs
- Meritor front drive 16,000-18,000 lbs

### REAR AXLE

- Detroit™ tandem 40,000-46,000 lbs
- Meritor single 21,000-30,000 lbs
- Meritor tandem 40,000-52,000 lbs
- Detroit™ single 23,000 lbs

### FRONT SUSPENSION

- Taperleaf 12,000-20,000 lbs
- Flatleaf 14,600-23,000 lbs

### REAR SUSPENSION

- AirLiner® 21,000-46,000 lbs
- Hendrickson 40,000-52,000 lbs
- Chalmers 40,000-52,000 lbs
- TufTrac® 40,000-52,000 lbs
- Proprietary spring 23,000-30,000 lbs

### BRAKES

- WABCO® 4S/4M and 6S/6M Anti-lock Braking System (ABS) with and without traction enhancement
- Air Disc Brakes

### SAFETY

- Bendix AutoVue® lane departure warning system
- WABCO® OnGuard™ radar collision avoidance/mitigation system
- Adaptive cruise control

### FRAME

- Single-channel @ 2.6-3.2MM RBM
- Double-channel @ 3.7MM RBM
- Front frame extension – splayed 12" and 24"

### FUEL TANK

- Aluminum 23" and 25" cylindrical 50-100 gallon (189-379 liter)
- Steel rectangular 60 and 90 gallon (227 and 340 liter)

### DEF TANK

- 6, 13 and 23 gallon (23, 49 and 87 liter)



WESTERN STAR®

For the Western Star dealer nearest you, call 1-866-850-STAR | [WESTERNSTAR.COM](http://WESTERNSTAR.COM)



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