



FREIGHTLINER[®]

CASCADIA[®]

DAY CAB

A ROLE MODEL FOR OTHER TRUCKS

It's amazing how much work a Freightliner® Day Cab can fit into a single day. Everything about this truck is purpose-driven, from an ergonomic dash for driver convenience to the aerodynamic design that provides a sleek powerful look and cuts through air. The industry-leading Detroit Assurance® 5.0 suite of safety systems helps protect valuable cargo as well as everyone on the road. And the variety of powertrain options allow customers to spec the most efficient combination for their application. At Freightliner, we work tirelessly to improve the efficiency, safety and power of our products, all in order to help you minimize risk and maximize profit.





SHOWN IN SLATE GREY WITH ELITE COCKPIT APPEARANCE PACKAGE
SEE THE CASCADIA INTERIORS BROCHURE FOR MORE INFORMATION



FUEL EFFICIENCY

- Improved fuel efficiency over earlier models
- Aero and AeroX packages deliver aerodynamics optimized for your application
- Integrated Detroit® Powertrain (IDP) keeps engine RPMs low and fuel expenses down



SAFETY

- Sloped hood, one-piece windshield and one-piece door glass for optimal visibility
- Standard Detroit Assurance® 5.0 suite of safety systems:
 - Active Brake Assist 5.0 (ABA 5.0) offers full braking on moving pedestrians and can mitigate potential collisions with moving and stationary objects
 - Adaptive Cruise Control (ACC) to 0 mph automatically adjusts cruising speed down to 0 mph to maintain a safe following distance
- Optional Side Guard Assist (SGA) detects items in the driver's blind spot and warns them not to change into an occupied lane or make a right turn



CONNECTIVITY

- Detroit Connect® Virtual Technician™ remote diagnostic system
- Detroit Connect® Remote Updates over-the-air programming
- Detroit Connect® Analytics provides on-demand expert fuel efficiency and safety insights



QUALITY

- We've built numerous prototypes to test new components and systems, simulating millions of road miles with cold chamber and hot room sessions to ensure effortless operation in below-zero conditions and temperatures above 100° F
- To guarantee highest quality levels, a Coordinate Measurement Machine (CMM) was used to ensure tightest cab tolerances
- Throughout the manufacturing process, Direct Current (DC) tools were used to apply and measure proper torque



UPTIME

- The eVault with fuse and relay box mounted in-cab for easy access and protection for most electronic control units from the elements
- LED exterior and interior lighting for safety and reduced maintenance
- Optional Exterior Bulb Pre-Trip Inspection System to help confirm all lights are functioning correctly
- The standard Cascadia Maintenance System, an onboard monitoring system, computes optimal maintenance intervals based on actual operating conditions of the vehicle, reducing costs and downtime
- Access to hundreds of service locations, factory-certified technicians and 24/7 toll-free hotline operators



DRIVER EXPERIENCE

- Improved ride quality and cab quietness
- Ergonomic wraparound dashboard and steering wheel controls
- Three cup holders, a document pocket and dedicated mobile device slot
- Increased overhead storage
- Tilt and telescoping steering wheel

THE ROAD IS NO PLACE FOR SURPRISES

There's nothing more important than making sure those behind the wheel stay safe, which is why the Cascadia comes standard with the Detroit Assurance® 5.0 suite of safety systems. By offering industry-leading collision mitigation, expensive repair costs as well as downtime can be significantly reduced. A safer truck means you keep your drivers and your equipment on the road and working.

DETROIT ASSURANCE 5.0 STANDARD FEATURES

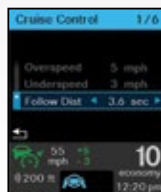
ACTIVE BRAKE ASSIST 5.0 (ABA 5.0) – FULL BRAKING ON MOVING PEDESTRIAN

When the signal from the radar and camera system detects a moving pedestrian who is about to cross the truck's path, an audible and visual warning occurs with simultaneous partial braking, followed by full braking if the driver does not react.



ADAPTIVE CRUISE CONTROL (ACC) – TO 0 MPH

ACC automatically adjusts your truck's cruising speed to maintain a safe following distance from other vehicles in its path, allowing the truck to remain in cruise control longer. ACC now also works in stop-and-go traffic. If the vehicle in front comes to a stop, the Cascadia will also come to a full stop—0 mph—and hold indefinitely. If the vehicle in front starts to move again and the truck has stopped for 2 seconds or less, then the truck will resume moving at a safe following distance. If the complete stop is longer than two seconds, then the driver must push the throttle or press set/resume.



2.4 Following Distance



3.6 Following Distance

AUTOMATIC WIPERS/HEADLAMPS

With the headlight switch in "auto" mode, the Rain/Light sensor detects low light and turns the headlights on. As visibility clears, the headlights automatically turn off. When the wiper controls are set to the "auto" position, the sensor automatically turns the wipers on when precipitation is detected and turns them off after it stops.

INTELLIGENT HIGH BEAM

When the driver sets the switch selector to auto high-beam, the Detroit Assurance camera technology automatically switches to low beams when it detects the headlights or tail lights of another vehicle, as well as city lights. When the vehicle or city lights are out of sight, the high beams automatically come back on.

TRAFFIC SIGN DISPLAY

The Detroit Assurance front-facing camera recognizes speed limit and other traffic signs, and then displays those signs in the instrument cluster. Traffic Sign Display has the capability to display up to two signs at the same time.

TAILGATE WARNING

Independent of the ABA and ACC features, Tailgate Warning will activate according to a truck's speed and the following distance. Tailgate Warning will issue a visual and audible warning after 10-seconds of tailgating, which can become reportable via the J1939 to the selected telematics system.



NOW RUN EVEN SMARTER

DETROIT® DT12™ AUTOMATED MANUAL TRANSMISSION

With millions of miles under its belt, the DT12™ automated manual transmission has proven its performance all around the world. The Detroit® DT12™ product enhancements take that performance and improve it, using technology to electronically select the best shift patterns to provide optimal power and fuel efficiency.

The DT12 also features optimized gearing for increased torque, improved low-speed maneuverability and improved down-speeding capability, a new oil pump and sump for better oil flow and reduced parasitic loss, and an optional side PTO.

The Cascadia now comes standard with the Detroit® DT12™ automated manual transmission equipped with Intelligent Powertrain Management (IPM6), Detroit's proprietary Predictive Cruise Control (PCC), which takes powertrain integration to the next level.

FEATURES OF IPM6 INCLUDE

ENGINE LOAD BALANCING

Engine holds constant torque to reduce unnecessary engine load.

PREDICTIVE ADAPTIVE CRUISE CONTROL

Combines Predictive Cruise Control (PCC) and Adaptive Cruise Control (ACC) to better use kinetic energy and minimize brake usage.

IMPROVED MAP COVERAGE

Fully covers the top 10 U.S. interstate routes, covering 600,000 more road slope miles than the previous version and providing an increase in map coverage that will lead to more IPM usage.

OPTIONAL FEATURES

ACTIVE LANE ASSIST (ALA)

LANE DEPARTURE PROTECTION (LDP)

If the truck veers out of its lane without using a turn signal, an audible warning is sent through the corresponding speaker on the side of the truck that crosses the lane marker, along with a visual warning on the instrument panel. If the truck continues to veer out of its lane, it will be actively steered back into its lane by the system.



LANE KEEP ASSIST

LANE KEEP ASSIST (LKA)

When Adaptive Cruise Control is enabled, Lane Keep Assist uses micro-steering movements to keep the Cascadia centered in its detected lane.

Lane Keep Assist (lateral control) combined with Adaptive Cruise Control to 0 mph (longitudinal control) makes this the first production Class 8 SAE Level 2 automated truck in North America.



SIDE GUARD ASSIST

SIDE GUARD ASSIST (SGA)

Optional feature detects objects in the passenger-side blind spot for the entire length of the tractor and trailer. If the truck attempts to veer into an already-populated lane or attempts to make a right turn that would cause the truck to contact an object or person, an audible and visual warning will alert the driver.

ADDITIONAL OPTIONAL FEATURES

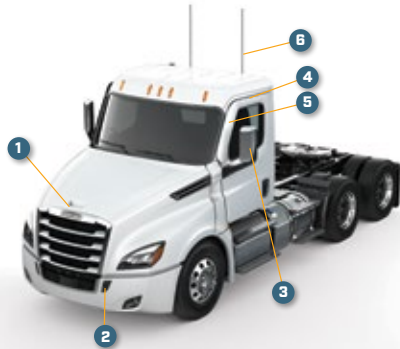
- Forward Facing Video Capture*
- Driving Facing Video Capture*

*Available via Bendix SafetyDirect®

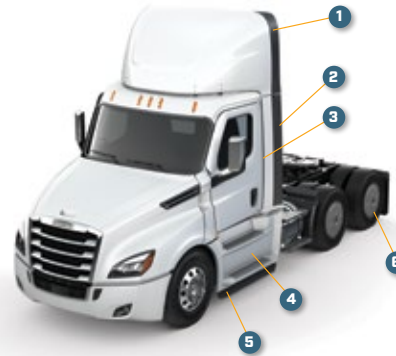
OUR MOST FUEL-EFFICIENT CASCADIA EVER

Cascadia is proud to be the leader in fuel efficiency. That's due in large part to enhanced aerodynamics that help it slice through headwinds, taking efficiency to even greater levels.

STANDARD PACKAGE



AERO PACKAGE



AEROX PACKAGE



STANDARD PACKAGE

- 1 **HOOD AND GRILLE** are optimally sloped to reduce drag on the vehicle
- 2 **TOW HOOK COVERS** improve aerodynamics by reducing the air entering the front of the vehicle
- 3 **AERODYNAMIC DOOR-MIRRORS AND OPTIONAL HOOD-MOUNTED MIRRORS** act like blades, slicing the wind to minimize drag
- 4 **UPPER DOOR SEAL** decreases drag and contributes to the cab's overall sound-dampening technology
- 5 **A-PILLAR DEFLECTOR** aids in fuel efficiency by managing air flow, while also significantly reducing window soiling
- 6 **INTEGRATED ANTENNAS** replace previous vertical, cab-mounted antennas, reducing aerodynamic drag on the sidewalls

AERO PACKAGE

AERO package includes standard package features plus:

- 1 **AERODYNAMIC ROOF FAIRING** directs airflow above and around the trailer
- 2 **12-INCH SIDE EXTENDERS** direct airflow around the trailer
- 3 **SIDE EXTENDER SEALS** improve aerodynamics and fuel efficiency by smoothing air flow from the cab to the side extenders
- 4 **FULL CHASSIS FAIRINGS** to limit inefficient air flow under the truck and smooths out transition of air from tractor and trailer
- 5 **ENHANCED CHASSIS FAIRING SKIRTS** improve fuel efficiency by restricting air flow under the vehicle
- 6 **REAR WHEEL COVERS** reduce air turbulence caused by the cavities in the rear tractor wheels, resulting in improved aerodynamics

AEROX PACKAGE

AEROX package includes the AERO features plus:

- 1 **12-INCH SIDE EXTENDERS** direct airflow around the trailer more efficiently
- 2 **OPTIMIZED LOW GROUND CLEARANCE BUMPER** reduces ground clearance bumper to 4" improving vehicle aerodynamics and fuel efficiency by restricting air flow under the vehicle
- 3 **OPTIMIZED DRIVE WHEEL FAIRINGS** improve air flow between the tires and the side of the vehicle, contributing to improved aerodynamics and fuel efficiency
- 4 **FRONT WHEEL WELL CLOSEOUTS** flexible trim pieces reduce the space between the front tires and the vehicle for improved air flow, while contributing to greater fuel efficiency

OPTIONAL ON ALL PACKAGES

AERODYNAMIC HEIGHT CONTROL (AHC)
Improves fuel efficiency at highway speeds by reducing the amount of drag from the air moving under the vehicle

MICHELIN® X® LINE™ ENERGY D+ TIRES
Reduces rolling resistance in 6x4 applications to improve fuel economy

PERFORMANCE NEVER LOOKED SO EFFORTLESS

Detroit has long been known for building efficient and dependable engines. Today, that reputation extends to their transmission and axles. You'll see it in the DT12 automated manual transmission with Intelligent Powertrain Management (IPM6) as well as Detroit front and rear axles with axle lubrication management (ALM).

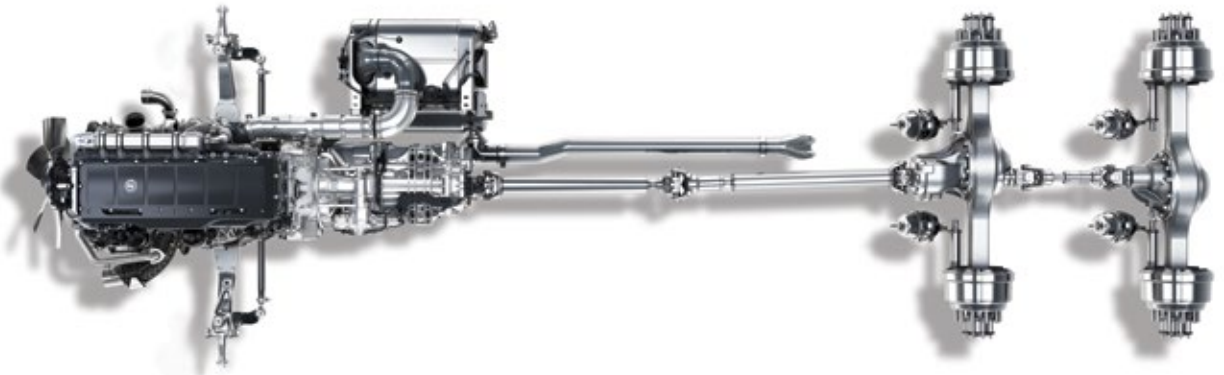
Integrated Detroit® Powertrain:

- Detroit® DD13® or DD15® Engine
- Detroit® DT12™ Automated Manual Transmission (AMT)
- Intelligent Powertrain Management (IPM6)
- Axle Lubrication Management (ALM)

THE INTEGRATED DETROIT® POWERTRAIN

Equipped with the Integrated Detroit® Powertrain (IDP), the Cascadia is even more fuel efficient. Detroit engineers use advanced electronics to calibrate the Detroit® DD13® and DD15® engines to deliver greater horsepower and torque at lower RPMs, keeping your truck in top gear longer and cruising at a more efficient engine speed.

The tandem-rear axles feature an optional Axle Lubrication Management (ALM) system that actively regulates the oil level at the ring gear and friction-loss optimized pinion bearings to reduce friction and parasitic loss.



INTEGRATED DETROIT® POWERTRAIN RATINGS

ENGINE	POWER	TORQUE	DISPLACEMENT
DETROIT® DD13®	400 HP @ 1625 RPM	1750 lb.-ft. @ 975 RPM	781 cu. in. [12.8 L]
DETROIT® DD15®	400 HP @ 1625 RPM 455 HP @ 1625 RPM	1750 lb.-ft. @ 975 RPM	906 cu. in. [14.8 L]

TRANSMISSION	CONFIGURATION	SPEEDS	INTELLIGENT POWERTRAIN MANAGEMENT
DETROIT® DT12™	DIRECT DRIVE	12 FORWARD / 2 REVERSE	IPM6
	OVER DRIVE		

AXLES	CONFIGURATION	DIRECT DRIVE	OVER DRIVE
DETROIT® DRIVE AXLE	6x4	40,000 lb. tandem with Axle Lubrication Management	40,000 lb. tandem with Axle Lubrication Management
		2.16 rear axle ratio 2.28 rear axle ratio	2.64 rear axle ratio 2.85 rear axle ratio
	6x2	20,000 lb. single	20,000 lb. single
		20,000 lb. tag	20,000 lb. tag
	4x2	2.28 rear axle ratio	2.85 rear axle ratio
		23,000 lb. single	23,000 lb. single
	2.28 rear axle ratio	2.85 rear axle ratio	
DETROIT® STEER AXLE		12,000 lb., 12,500 lb., 13,300 lb.	12,000 lb., 12,500 lb., 13,300 lb.

DAY CAB FEATURES & OPTIONS



ENGINES		
116" Day Cab	Detroit® DD13® Cummins® X12	350-505 HP, 1250-1850 lb.-ft. 350-500 HP, 1250-1700 lb.-ft.
126" Day Cab	Detroit® DD13® Detroit® DD15® Detroit® DD16® Cummins® X15	350-505 HP, 1250-1850 lb.-ft. 400-505 HP, 1550-1750 lb.-ft. 500-600 HP, 1850-2050 lb.-ft. 400-600 HP, 1450-2050 lb.-ft.
TRANSMISSIONS		
Manual	Eaton Fuller® Advantage Eaton® RT	10 and 13 speed 9, 13 and 18 speed
Automated Manual	Detroit® DT12 Eaton Cummins Endurant™ Eaton® Advantage Eaton UltraShift® Plus	12 speed 11 and 12 speed 10 speed 13 and 18 speed
Automatic	Allison®	3000, 4000, 4500
SUSPENSIONS		
Front	Freightliner Taperleaf Freightliner Airliner® Hendrickson AIRTEK®	12.5, 13.3, 14.6 and 16K 12.5 and 13.3K 12.5 and 13.3K
Rear	Single Freightliner Airliner® Airliner Lightweight Extra Duty Tandem Freightliner Airliner® Airliner Lightweight Extra Duty	21 and 23K 21K 40 and 46K 40K
AXLES		
Front	Detroit® Meritor MFS Hendrickson STEERTEK® NXT	12, 12.5, 13.3 14.7K* and 16K 12, 12.5, 13.3 and 14.7K* 12.5 and 13.3K
Rear	Single Detroit® Single Meritor Tandem Detroit® Tandem Meritor Tandem Dana	20 and 23K 20 and 23K 40, 44 and 46K 40 and 46K 40K
*Offered in 126" Day Cab models only		

CAB CONFIGURATIONS



CLASS	8
BBC	116", 126"



Learn more at Freightliner.com

Daimler Truck Financial

Competitive financing available through Daimler Truck Financial.
For the Freightliner Trucks dealer nearest you, call 1-800-FTL-HELP.

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