

FREIGHTLINER®

ENHANCED AERODYNAMIC DESIGN

EFFICIENCY IN EVERY DETAIL.

How do you improve on a truck that has already increased fuel efficiency by over 35% since its inception? By focusing on even the smallest details, which add up to 1.9% more fuel efficiency on the Fifth Generation Freightliner Cascadia, lowering costs for our customers with every turn of the wheel.

A-PILLAR DEFLECTOR

The redesigned A-pillar deflector is now longer and flares at the bottom, redirecting air and water around the side window and mirror. This reduces the air vortex around the windows, increasing aerodynamic efficiency, improving fuel economy, and enhancing visibility in rainy conditions.

SLEEK AERODYNAMIC HOOD

The Cascadia's hood features styling lines that further reduce aerodynamic drag while maintaining great visibility for the driver. The perfect combination of safety and efficiency.

FRONT WHEEL WELL CLOSEOUTS

The three-piece composite closeout system includes a hood-mounted attachment alongside bumper and chassis fairing-mounted pieces that optimize airflow to minimize drag.

MAX AERO BUMPER

A redesigned Max Aero Bumper increases fuel efficiency, durability, and reduces drag with its improvements to the air dam and introduction of the bumper air ducts. The air ducts guide airflow from the front of the truck around the tires to minimize drag, while the three-piece air dam guides airflow under the truck.

THE FREIGHTLINER CASCADIA HAS CONSISTENTLY BEEN AT THE FOREFRONT

of innovation, leading the way in every aspect of the trucking industry. Since 2007, more than one million Cascadias have been sold, making it the most driven Class 8 truck on North American roads. The Fifth Generation Cascadia builds on that legacy while setting new standards for safety, efficiency, and profitability.

The Fifth Generation Cascadia offers advanced safety features, improved aerodynamics, and business intelligence tools designed to enhance profitability. By listening to our customers and understanding what drivers and fleet managers need, we've crafted a truck that meets the demands of today and prepares fleets for tomorrow.

ADVANCED SAFETY SYSTEMS

FOR PEACE OF MIND, MILE AFTER MILE.

DETROIT ASSURANCE® WITH ABA6 SUITE OF SAFETY SYSTEMS

Experience advanced safety systems that prioritize road safety like never before. Using state-of-the-art fused camera and radar technology, the truck's surroundings are monitored up to 270 degrees, tracking vehicles, bicycles, and pedestrians more than 14 times per second. With Detroit Assurance, focus on delivering on time with confidence.



DETROIT ASSURANCE

ACTIVE BRAKE ASSIST 6 (ABA6)

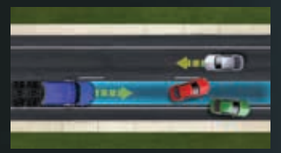
Enhanced automatic emergency braking now provides collision mitigation in more scenarios.



Active Brake Assist 6 (ABA6) can now detect vehicles in adjacent lanes. ABA6 allows the truck to respond if the driver swerves into those lanes at the last moment to avoid a collision in their current lane.



ABA6's expanded field of detection allows the system to detect visible vehicles in curves and issue warnings or automated emergency braking on them.



ABA6 now has the capability to recognize and respond to offset vehicles and those positioned at an angle, which is commonly seen in situations following an accident ahead.

Detroit Assurance safety systems, including ABA6 and related features, are designed to help mitigate certain collision scenarios through driver alerts and targeted system responses, not to replace driver judgment or responsibility.

ALSO NEW FROM DETROIT ASSURANCE



ACTIVE LANE ASSIST 2*

- Using the advanced sensor suite from Active Brake Assist, coupled with a motor placed in the steering column, Active Lane Assist provides reliable steering support to drivers.
- Lane Change Assist uses side radar technology to monitor blind spots, actively steering the truck back if a lane change is initiated into an occupied lane, even if the turn signal indicator is engaged.
- Lane Keep Assist reads lane markings to keep the truck centered in its lane while in cruise control. If a driver does not engage with the steering wheel after a number of audible and visual alerts, the truck will slow to a stop and engage hazard lights to alert of a possible emergency situation, all while keeping the truck centered in its lane.
- Lane Departure Protection reads lane markings to help steer the Cascadia back into its lane if it begins to veer out.

*Optional features

CROSS TRAFFIC ASSIST

- Designed to identify and track crossing vehicles, Cross Traffic Assist delivers added support at intersections by providing either partial or full braking—depending on the likelihood of impact—when a vehicle is crossing the truck's path from either the passenger or driver side.

SIDE GUARD ALERT 2

- Detects vehicles, pedestrians, and bicyclists on both the driver and passenger sides of the truck, including within blind-spot areas.
- Delivers visual and audible alerts when potential collision risk is detected involving moving or stationary objects.
- Increases driver awareness and overall safety by helping prevent side-impact and blind-spot related incidents.

ACTIVE SIDE GUARD ASSIST 2

- Engineered to bring greater confidence to every turn, Active Side Guard Assist 2 provides active braking on both left- and right-hand turns.
- Braking on left-hand turns: monitors oncoming traffic to identify potential collision risks when a signaled left-hand turn is attempted, issuing visual and audio alerts before engaging braking.
- Braking on right-hand turns: monitors pedestrians and cyclists on the passenger side blind spot and brakes if a turn is attempted, issuing visual and audio alerts before engaging in partial or full braking.

ADDITIONAL SAFETY FEATURES FOR CASCADIA:

MIRRORCAM SYSTEM*

- Utilizes external cameras and in-cab digital monitors to enhance side and rearward visibility.
- Provides a greater field of view, reduces blind spots, and improves safety.
- Screen location reduces head movement and eye strain.
- Trailer tracking and end of trailer lines ensure that drivers can see the end of the trailer and avoid obstacles that can't be seen with traditional mirrors.
- With infrared technology and hydrophobic coating, MirrorCam improves outward visibility, particularly at night and in adverse weather conditions.

DUAL-STAGE INTELLIGENT LED HEADLIGHTS

- De-icing capabilities in cold weather and defogging in warm weather without driver intervention.
- Increased 45-degree beam pattern and auto high beam feature.
- Provides greater visibility and eliminates the need for fog lights, reducing customer costs.
- Impact-resistant design, meaning fewer headlight replacements.

INTELLIGENT BRAKING CONTROL SYSTEM

A BRAKING SYSTEM DESIGNED FOR SMARTER, SAFER DRIVING.

The Intelligent Braking Control System introduces brake-by-wire technology with full pneumatic back-up that allows the air sent to each wheel end to be precisely and independently controlled. The system features an electronic park brake, which helps mitigate rollaway incidents and costly damage. Combined with enhanced service braking, the Intelligent Braking Control System maximizes brake efficiency, extending brake life and cutting maintenance costs to keep you on the road longer.

ELECTRONIC PARK BRAKE

- Enables Rollaway Mitigation: if a driver forgets to set the park brakes when leaving the seat or opening the door, the system automatically sets the park brakes, mitigating a costly rollaway incident.
- The air valves have been replaced with an electronically controlled push-button system that enhances the driver experience by providing an easy-to-engage park brake.

ENHANCED SERVICE BRAKING

- This system features Endurance Braking, which seamlessly blends service brakes and the engine retarder when the driver engages the brake pedal. This feature reduces brake pad wear, extending the life of the brakes.
- Comfort Braking provides the driver with a smoother braking experience by evenly applying brake pressure distribution, decreasing lining wear and improving driver comfort on the road.
- With the included Brake Assist feature, the Intelligent Braking Control System monitors the pressure applied to the pedal and responds accordingly to allow maximum braking as soon as the driver requests it.
- Integrated with a brake temperature warning system that alerts the driver with a pop-up in the dashboard if the brakes are reaching a high temperature.



THIS INTELLIGENT SYSTEM MAXIMIZES BRAKE EFFICIENCY, EXTENDING BRAKE LIFE AND CUTTING MAINTENANCE COSTS TO KEEP YOU ON THE ROAD LONGER.





HERE'S TO THOSE LEADING THE WAY.

CASCADIA®

BUSINESS INTELLIGENCE TOOLS

MAXIMUM PROTECTION. MAXIMUM PROFITABILITY.

The Fifth Generation Freightliner Cascadia comes with an updated technology platform designed to protect your business and enhance profitability. This platform protects trucks from potential cyberattacks, allows real-time tracking of trucks, adds the ability to remotely lock and unlock vehicles, and provides system diagnostics to identify potential issues.

BOOSTING UPTIME BY ENABLING REMOTE ASSET MANAGEMENT, SAFETY SYSTEM STATUS MONITORING, AND REAL-TIME VEHICLE STATUS.



CONNECT PLUS PACKAGE*

The Connect Plus Package includes: Virtual Technician, Safety Event Viewer, Safety Plus, Remote Lock / Unlock and Geofence.

REMOTE LOCK / UNLOCK AND GEOFENCE

The ability to lock and unlock vehicles on demand reduces roadside assistance costs and increases vehicle uptime.

With Geofence, fleet owners can create custom-defined geographic areas in the Detroit Connect® Portal and enable notifications when vehicles enter or leave that area.

*Optional feature

UNLOCK THE DETROIT ADVANTAGE

THE STANDARD FOR FUEL SAVINGS AND PERFORMANCE.



DETROIT POWERTRAIN INTEGRATION

At the heart of the Fifth Generation Cascadia is the Detroit® powertrain, which includes the most fuel-efficient engines in our history—the Gen 6 DD13 and DD15, with familiar aftertreatment technology designed to simplify the transition to 2027 standards. Combined with the cutting-edge Detroit DT12™ On-Highway transmission and Detroit axles, this unmatched combination delivers peak performance, ensuring you get the most out of every drop of fuel while maintaining the reliability and durability that Detroit is known for. The Integrated Detroit Powertrain (IDP) is our most fuel-efficient combination of Detroit components, designed to work together for maximum performance and lower operational costs. Advanced features include Intelligent Powertrain Management (IPM), a predictive cruise technology that utilizes terrain maps and GPS to efficiently operate the powertrain in cruise control and conserve momentum in hilly terrain. With the Fifth Generation Cascadia, Detroit includes IPM with Curve and Speed Assist, bringing added predictive functionality to curves, intersections, stop and yield signs, and speed limits. Tailored to meet the demands of today's drivers and fleet operators, the Detroit powertrain doesn't just promise efficiency—it delivers a smarter, faster, and more reliable driving experience, putting your business in a league of its own.

ELEVATED INTERIOR FOR MAXIMUM COMFORT

YOUR HOME AWAY FROM HOME.

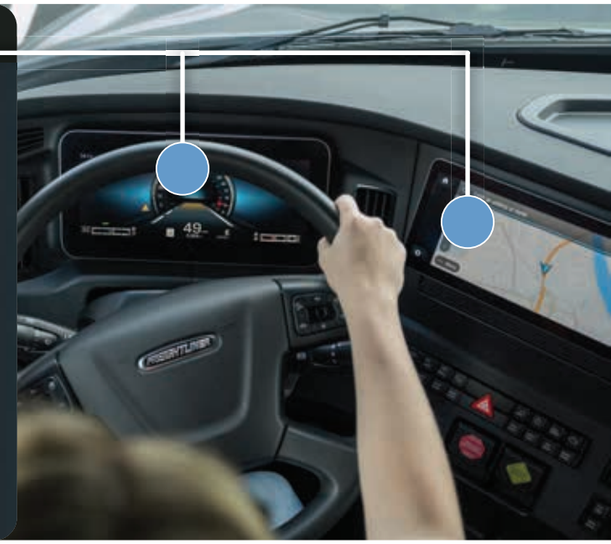
The Fifth Generation Cascadia offers customizable cab and sleeper interiors to maximize driver comfort and boost productivity. Options include various sleeper cab configurations, trim, upholstery, and refrigerator options. The optional driver's lounge includes a multifunctional and retractable tabletop for dining and workspace, and a telescoping ladder for convenient top bunk access. Ergonomic design and noise-abatement technology ensure a relaxing, productive environment throughout the cab. Key features include spacious storage, an adjustable TV bracket, HVAC with upper bunk vent, DC and AC power outlets, and USB-C charging ports.

ERGONOMIC DESIGN AND NOISE-ABATEMENT TECHNOLOGY ENSURE A RELAXING, PRODUCTIVE ENVIRONMENT.



INTERACTIVE TOUCHSCREEN DISPLAY

The standard 7" Interactive Touchscreen Display offers easy access to Apple CarPlay®, Android Auto™, satellite radio, AM/FM/weatherband, and hands free audio through integrated microphone support. Its simple, intuitive layout helps drivers manage core cab functions comfortably and stay focused on the road.



DIGITAL DASH WITH GATEWAY TO PLATFORM SCIENCE VIRTUAL VEHICLE™*

The Digital Dash with gateway to Virtual Vehicle™ connects the truck, the driver, and the fleet by bringing navigation, apps, and vehicle controls into one integrated, driver-focused system.

- The enhanced Digital Dash Display elevates the driver experience with a 12" B Panel display — two inches larger than before — delivering a clearer, more immersive view of critical vehicle information.
- Now featuring wireless Apple CarPlay® and Android Auto™, speech recognition, voice command capabilities, and integrated camera views, the system is designed for intuitive control and improved driver focus.
- The enhanced Digital Dash allows drivers to access apps from the Platform Science Virtual Vehicle™ platform to easily access navigation, workflow and compliance tools, messaging, and other connected apps.

*Subscription for some features required.

CLIMATE CONTROL WITHOUT IDLE

The Dual Parked HVAC system delivers reliable heating and cooling with the engine off by using a Espar heater and a fully battery-powered electric air conditioning. It operates with the auxiliary battery pack and remains compatible with Optimized Idle for extended runtime when additional heating or cooling is required. Optional solar panels installed at the factory can support battery charging to help maximize efficiency. Automatic thermostat control and premium insulation maintain a consistent and quiet sleeper environment, while recent system enhancements improve temperature stability and energy use. Drivers experience greater comfort while reducing fuel consumption, emissions, and maintenance needs.

STANDARD FEATURES

DETROIT ASSURANCE WITH ABA6 SUITE OF SAFETY SYSTEMS

- Active Brake Assist 6
  - Full automatic emergency braking for moving and stationary vehicles, offset vehicles and vehicles at an angle, visible vehicles in curves or in multiple lanes, and for moving and stationary pedestrians and bicyclists.
- Cross Traffic Assist
- Active Side Guard Assist 2
- Adaptive Cruise Control to 0 MPH
- Side Guard Alert 2
- Front Guard Alert
- Lane Departure Warning
- Traffic Sign Display
- Tailgate warning
- Forward facing camera
- Automatic wipers/headlamps
- Intelligent High Beam

SAFETY

- Intelligent Braking Control System with ePark Brake
- Enhanced Stability Control
- Dual Stage Intelligent LED headlights with automatic defogging and deicing
- Optimally sloped hood for maximum visibility

AERODYNAMICS/EXTERIOR

- Max Aero Bumper
- Three Piece Composite Front Wheel Well Closeouts
- A-pillar deflector
- Drive wheel covers
- Chassis fairings with enhanced chassis fairing skirts*
- 24" side extenders with side extender seals*
- Optimized roof fairing*
- Detachable rain tray and quick rear engine access
- Mold in color grille
- Hood-to-bumper seal
- Painted tow hook covers
- Integrated antennas

DRIVETRAIN & RELATED COMPONENTS

- Detroit Gen 6 DD13 engine (116" BBC Cascadia)
- Detroit Gen 6 DD15 engine (126" BBC Cascadia)
- Detroit DT12 On-Highway Series Automated Manual Transmissions
- 2027-compliant aftertreatment technology
- Detroit 12k steer axle
- Detroit 23K single rear and 40K tandem rear axles with Axle Lube Management 2.0
- Intelligent Powertrain Management with Speed and Curve Assist
- Meritor air disc brakes with Positive Pad Retraction
- TRW Single THP-60 Power Steering Gear
- Up to 50-degree wheel cut

INTERIOR

- Midnight black base level interior
- Instrument cluster with 5" LCD screen
- 7" Interactive Touchscreen Display with Apple CarPlay® and Android Auto™
- High-tech thermal and noise insulation
- Heated side mirrors with power adjustment
- Automatic door locks
- Steering wheel with integrated controls
- Adjustable tilt-telescoping steering column
- Wrap-around and low-mounted dash
- Roped-in one piece windshield
- Large rear windows: 56" x 22" combined viewable area in a day cab application
- Powerful HVAC system with six dash-mounted vents, eight blower speeds
- Overhead storage console
- A&B pillar grab handles
- Power Distribution Center fuses and circuit breakers grouped in a single location

BUSINESS INTELLIGENCE TOOLS

- Detroit Connect® Core with Virtual Technician, Remote Parameter Updates (7), Safety Plus, Safety Event Viewer

**standard on sleeper and mid roof cab configurations*

OPTIONAL FEATURES

ADDITIONAL DETROIT ASSURANCE FEATURES

- Active Lane Assist 2
- Traffic Sign Display with Warnings Only
- Active Speed Intervention

SAFETY

- MirrorCam System
- Safety Panic Button in the Sleeper
- LifeGuard RollTek® driver and passenger rollover restraint and seat mounted airbag system
- Driver's Supplemental Restraint System steering wheel airbag

EXTERIOR

- Optimized drive wheel fairings*
- Elite exterior package: silver matte grille Inserts and chrome aerodynamic mirrors and door handles
- Heated hood mounted mirrors
- Wabco ECAS
- Severe Duty Harness Protection

INTERIOR

- Elite cockpit interior trim package (Saddle Tan or Slate Gray)
- Dual-Parked HVAC with Opt Idle
- Digital Dash with gateway to Platform Science Virtual Vehicle™

DRIVETRAIN & RELATED COMPONENTS

- Cummins X15 and X15N engines
- Front axles from Detroit, Meritor and Hendrickson up to 14.7k
- Rear axles from Detroit and Meritor up to 46k
- Freightliner and Hendrickson suspensions
- Wabco and Bendix™ air disc brakes for steer and drive axles
- Wide-base single wheel and tire options

BUSINESS INTELLIGENCE TOOLS

- Detroit Connect® Plus package with Virtual Technician, Remote Updates, Geofence, Remote Lock / Unlock, and Safety Plus
- Forward and driver-facing video capture
- 3rd Party Telematics pre-wire packages

DRIVER'S LOUNGE PACKAGE

- Murphy bed
- Dinette table
- Two seats with seatbelts
- Flat screen TV mount
- AC outlet with 1,800-watt inverter or pre-wire



Freightliner provides a wide range of products compliant with EPA, CARB emissions, GHG and OBD requirements.
Please consult your local dealer to ensure the selection of a product that meets your specific needs.

INTRODUCING THE FIFTH GENERATION

CASCADIA®

DESIGN YOUR DRIVE WITH THE CASCADIA CONFIGURATOR

BUILT FOR THE WAY YOU RUN YOUR BUSINESS.

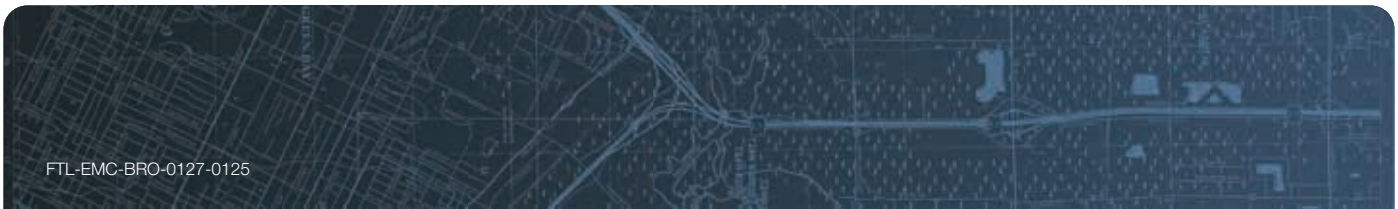
Explore a wide range of exterior cabs and colors, interior sleeper setups, and integrated powertrain and safety options with the Cascadia Configurator. You know what your team needs, and we're here to deliver it.

SCAN TO START CUSTOMIZING OR VISIT FREIGHTLINER.COM/TRUCKS/CASCADIA/CONFIGURATOR

DAIMLER TRUCK
Financial Services

Comprehensive finance, lease, and insurance solutions from Daimler Truck Financial Services. Learn more at daimler-truckfinancial.com. For financing in Canada, visit daimler-truckfinancial.ca.

545, 6/26. Freightliner Trucks is registered to ISO 50001:2018, ISO9001:2015 and ISO 14001:2015 Specifications are subject to change without notice. Copyright © 2026 Daimler Truck North America LLC. All rights reserved. Freightliner Trucks is a division of Daimler Truck North America LLC, a Daimler Truck company.



FTL-EMC-BRO-0127-0125