

# HERE'S TO THOSE READY FOR WHAT'S NEXT



INTRODUCING THE FIFTH GENERATION  
**CASCADIA**<sup>®</sup>

**FREIGHTLINER**<sup>®</sup>

## 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, lowering costs for our customers with every turn of the wheel.

### 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 reduce tire wake and minimize drag.

### 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. Now, we're proud to introduce the Fifth Generation Cascadia, a truck that builds on its 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.

### 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.

### MAX AERO BUMPER

The newly redesigned Max Aero Bumper improves fuel efficiency and durability and reduces drag with features like the enhanced air tab, air dam, and newly added bumper air ducts. The air ducts guide airflow from the front of the truck around the tires to minimize drag, while the larger one-inch air tab prevents airflow under the truck.

# ADVANCED SAFETY SYSTEMS FOR PEACE OF MIND, MILE AFTER MILE.

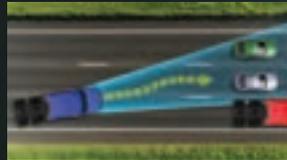
## DETROIT ASSURANCE® WITH ABA6 SUITE OF SAFETY SYSTEMS

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.



## ACTIVE BRAKE ASSIST 6 (ABA6)

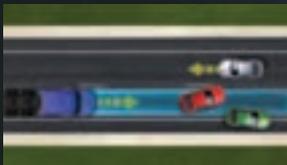
Enhanced automatic emergency braking now provides collision mitigation in more scenarios.



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 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.

## ALSO NEW FROM DETROIT ASSURANCE



### ACTIVE LANE ASSIST 2\* (ALA2)

- Lane Keep Assist (LKA) provides advanced driver assistance by identifying lane markers to help keep the truck centered in its lane using a forward-facing camera and electric steering motor.
- Assists in mitigating out-of-lane accidents through continuous lane monitoring.
- Lane Change Assist enhances safety by providing corrective steering during high-speed lane changes into occupied lanes, helping to avoid accidents.
- The twin servo steer motor that enables ALA2 features provides the added benefit of making low-speed maneuvers easier for the driver.

\* Optional feature

### ATTENTIVE DRIVER PROTECTION\*

- Included with the features of ALA2, monitors the steering wheel to determine if a driver is still providing input. When LKA is on and active, this system works alongside it to enhance driver awareness.
- Notifies driver with increasing audible and visual alerts to return their attention to the road.
- If the driver does not respond, the truck will slow to a stop, engage hazard lights, and unlock the doors while keeping the truck safe in its lane.

### SIDE GUARD ASSIST 2 (SGA2)

- Now identifies and warns the driver if a vehicle, pedestrian, or bicyclist is on either the driver or passenger side of the truck. Detects objects, pedestrians, and bicyclists in the truck's blind spot, providing warnings to prevent collisions.
- Provides visual and audible warnings if there's a danger of making contact with moving or stationary objects or pedestrians.
- Enhances driver awareness and safety.

### ACTIVE SIDE GUARD ASSIST\* (ASGA)

- Builds on SGA2 by including active braking of the tractor on the passenger side to help prevent right turns into moving cyclists or pedestrians.

## 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 rear 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

- Deicing 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 introduces an electronic park brake, which helps prevent 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 parking brake when leaving the seat (either exiting the cab or heading into the sleeper) the system automatically sets the parking brakes, preventing costly rollaway damage.
- The air valves have been replaced with an electronically controlled push-button system that enhances the driver experience by providing an easy-to-engage parking brake, protecting drivers' hands and wrists.

### ENHANCED SERVICE BRAKING

- This system introduces 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.
- Brake pedals that rely on valves require the pedal position to be all the way on the floor for maximum brake force. 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, reducing effort and leaving drivers feeling more energized at the end of a shift.
- Integrated with a brake temperature warning system that monitors and provides feedback to the driver on the temperature of the brakes.

**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

Standard with every Fifth Generation Cascadia, the Plus Package includes: Virtual Technician, Safety Event Viewer, Safety Plus, Remote Lock/Unlock, Geofencing, and Detroit Connect® Direct.

## DETROIT CONNECT VIDEO CAPTURE 2.0\*

Detroit Connect Video Capture (DCVC) 2.0 uses existing Detroit Assurance hardware to automatically record video and data during safety events or when manually triggered by the driver, with footage viewable in near real-time via the Detroit Connect Portal. This update provides enhanced DVR capabilities and enhanced video quality. This advanced system boosts uptime by enabling remote asset management and driver training, protecting fleets from potential risks.

\* 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 DD13® and DD15®. 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 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 introduces 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 cost-effective 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 refrigerators. A popular configuration provides a driver's lounge, which includes a multifunctional and retractable tabletop for dining and work space 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 ports.



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

### INTERACTIVE TOUCHSCREEN DISPLAY

Enhancing driver comfort with easy-to-use features, the 7" Interactive Touchscreen Display comes standard on the Cascadia, featuring Apple CarPlay®, Android™ Auto, satellite radio, AM/FM/weatherband, and integration with the cab's microphone.

### DIGITAL DASH DISPLAY\*

The Digital Dash features a 12" main display and a 10" auxiliary panel display, offering a modern interface with Apple CarPlay®, Android™ Auto, satellite radio, and AM/FM/weatherband. Drivers can customize their views and use steering wheel controls to navigate the screens while staying attentive to the road. It includes an easy-to-read interface for better focus and safety and a feature-rich information display with access to important truck metrics.

### CLIMATE CONTROL WITHOUT IDLING

The proprietary parked HVAC system\* heats or cools with the engine off, using an Espar heater (Webasto option available) and a battery-powered blower and condenser. Integrated with inverters and optional factory-installed solar panels it runs on the auxiliary pack for cooling. Controlled by an automatic thermostat and paired with premium insulation for optimal temperature and noise control, drivers will have maximum comfort while maximizing fuel savings and minimizing maintenance requirements and emissions.

\* Optional feature

# STANDARD FEATURES

## DETROIT ASSURANCE WITH ABA6 SUITE OF SAFETY SYSTEMS

- Active Brake Assist 6 (ABA6)
  - Full automatic emergency braking on moving and stationary vehicles, offset vehicles and vehicles at an angle, in curves or in multiple-lanes, and moving and stationary pedestrians and bicyclists.
- Adaptive Cruise Control (ACC) to 0 MPH
- Side Guard Assist 2 (SGA2)
- Front Guard Alert (FGA)
- 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 DD13 (116" BBC Cascadia and CARB States)
- DD15 engine (126" BBC Cascadia)
- Detroit DT12 On-Highway Series Automated Manual Transmissions
- EPA and CARB compliant aftertreatment technology
- Detroit 12k steer axle
- Detroit 40k single rear axle with Axle Lubrication Management 2.0
- Intelligent Powertrain Management
- 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 Car Play and Camera Inputs
- High-tech thermal and noise insulation with prestressed walls
- Aerodynamic and 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® Plus package with Virtual Technician, Remote Updates, Geofence, Remote Lock / Unlock, and Safety Plus

*\*standard on sleeper and mid roof cab configurations*

# OPTIONAL FEATURES

## DETROIT ASSURANCE WITH ABA6 SUITE OF SAFETY SYSTEMS

- Active Side Guard Assist (ASGA)
- Active Lane Assist 2 (ALA2)
- 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 (SRS) steering wheel airbag

## AERODYNAMICS/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 package (Saddle Tan or Slate Gray)
- Digital Dash Display
- Anti-Idle Parked HVAC Systems

## DRIVETRAIN & RELATED COMPONENTS

- Cummins X15 and X15N engines
- Front axles from Detroit, Meritor and Hendrickson up to 13.3k
- Rear axles from Detroit, Meritor and Dana 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 Video Capture 2.0 with automatic and manual activation recording functionality
- Driver facing camera
- 3rd Party Telematics pre-wire packages

## DRIVER'S LOUNGE PACKAGE

- Murphy bed
- Dinette table
- Two seats with seatbelts
- Flat screen TV mount
- 1,500 watt inverter or inverter 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**<sup>®</sup>

**COMPREHENSIVE SUPPORT AND FINANCING SOLUTIONS  
KEEPING YOUR FLEET MOVING FORWARD.**

Freightliner is dedicated to offering a seamless and supportive experience for our customers with a range of comprehensive financing, parts, service, and warranty options designed to keep your trucks running efficiently and your business moving forward.



**SCAN TO LEARN MORE OR VISIT [FREIGHTLINER.COM/TRUCKS/CASCADIA](https://www.freightliner.com/trucks/cascadia)**

**Daimler Truck Financial**

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