THE NEW CASCADIA ENHANCEMENTS

Introducing the latest updates for improved safety, fuel efficiency and driver experience.
Safety is a top priority for every transportation professional. That’s why Detroit Assurance® 5.0 is standard equipment on every Detroit-powered new Cascadia. Detroit Assurance 5.0 delivers a suite of advanced features designed to enhance safety, uptime and the driver experience. Active Brake Assist 5.0 (ABA 5.0), for example, fuses radar and camera technologies for increased confidence in object recognition, resulting in improved collision mitigation and the costs associated with them.

Explore all the features and discover what this groundbreaking suite of safety systems can do for your business.

For more information visit DemandDetroit.com/DetroitAssuranceSafety5.0

The Freightliner new Cascadia® demonstrates passion for innovation and continuous improvement. The new Cascadia is loaded front to back with groundbreaking innovations, and built with cutting-edge manufacturing processes, all to give you a truck that is safer, more fuel efficient and offers a better driver experience.

When a moving pedestrian enters the truck’s path, Detroit Assurance 5.0 applies input from the radar and camera sensors to warn the driver with visual and audible warnings simultaneously with partial emergency braking. If the driver doesn’t take action, full emergency braking brings the truck to a complete stop.

In stop-and-go traffic, if the vehicle in front stops, your truck will also come to a stop and hold indefinitely. If the vehicle ahead moves in less than two seconds, the truck will resume moving at a safe following distance.

The Detroit Assurance suite of safety systems is intended as an aid for an alert and conscientious professional driver. It should not be relied upon to operate the vehicle and is not a substitute for safe, normal driving procedures, nor will it compensate for driver impairment, such as drugs, alcohol, or fatigue. The Detroit Assurance suite of safety systems may not work as intended under all conditions, and may be affected by weather, road, and traffic conditions. Failure to drive safely and use the systems properly could result in personal injury and/or death and severe property damage. Please consult the Drivers’ Manual for the vehicle for additional limitations and details.
NEW DETROIT ASSURANCE 5.0 STANDARD FEATURES

AUTOMATIC WIPERS/HEADLAMPS
With the headlight switch in "auto" mode, the Rain/Light sensor detects low light and turns on the headlights. As lighting conditions improve, the headlights automatically turn off. When wiper controls are in any position but "off," the sensor automatically turns on the wipers when precipitation is detected and turns them off once precipitation stops.

INTELLIGENT HIGH BEAM
When the driver sets the headlight switch 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. Once the vehicle or city lights are out of sight, the high beams automatically come back on.

TRAFFIC SIGN DISPLAY
Detroit Assurance front facing camera identifies speed limit signs and displays them in the dash to enhance driver awareness.

NEW DETROIT ASSURANCE 5.0 OPTIONAL FEATURES

ACTIVE LANE ASSIST (ALA)

LANE DEPARTURE PROTECTION (LDP)
If the truck begins to drift without the turn signal being on, a rumble sound will alert the driver, along with a visual warning. The system will then counter steer the truck back into its lane.

LANE KEEP ASSIST (LKA)
When Adaptive Cruise Control is enabled, Lane Keep Assist uses micro-steering movements to keep the new Cascadia centered in its detected lane.

SIDE GUARD ASSIST (SGA)
Detects objects in the passenger-side blind spot for the full length of the tractor and trailer. If the truck drifts into an already populated lane or attempts a right turn in city traffic with objects in its blind spot, audible and visual warnings will alert the driver.

DETROIT ASSURANCE DRIVER FACING CAMERA
Detroit Assurance 5.0 includes an optional driver facing camera which provides insight into driver’s actions before, during and after an ABA event. Viewable via the optional Bendix Safety Direct portal, the footage can be used for driver training purposes.

NOW RUN EVEN SMARTER.
The new 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.

ENGINE LOAD BALANCING
Engine holds constant torque over small, subtle grades that the driver may think are flat to reduce unnecessary engine load.

PREDICTIVE ADAPTIVE CRUISE CONTROL
Combines Predictive Cruise Control (PCC) and Detroit Assurance 5.0 Adaptive Cruise Control (ACC) to better use kinetic energy and minimize brake usage.

IMPROVED MAP COVERAGE
The map coverage of existing major highways and interstates has increased by 35%.

Learn more at Freightliner.com
The new Cascadia was designed to be even more efficient than previous generations. The new enhancements are engineered to take that efficiency to even greater levels.

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**WELCOME TO THE NEXT LEVEL OF FUEL EFFICIENCY.**

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**ENHANCEMENTS**

- **A-PILLAR DEFLECTOR**
  - Aids in fuel efficiency by managing air flow, while also significantly reducing window soiling.

- **TOW HOOK COVERS**
  - Improve aerodynamics by reducing the air entering the front of the vehicle.

- **SIDE EXTENDER SEALS**
  - Improve aerodynamics and fuel efficiency by smoothing air flow from the cab to the side extenders.

- **OPTIMIZED LOW GROUND CLEARANCE BUMPER**
  - Reduces ground clearance to 4", improving vehicle aerodynamics and fuel efficiency by restricting air flow under the vehicle.

- **OPTIMIZED ROOF FAIRING DEFLECTOR**
  - Extends to the end of the 24" side extenders to smooth air flow between the tractor and trailer, helping increase fuel efficiency.

- **OPTIMIZED DRIVE WHEEL FAIRINGS**
  - Improve air flow between the tires and the side of the vehicle, contributing to improved aerodynamics and fuel efficiency.

- **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.

- **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**
  - Reduce rolling resistance in 6x4 applications to improve fuel efficiency.

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*These features are not part of the AeroX package and are add-on options.*