

THE SCIENCE OF INNOVATION

CASCADIA[®]
EVOLUTION



Run Smart™



GREAT IDEAS EVOLVE INTO GREATER IDEAS.

At Freightliner Trucks, we view innovation as the evolution of great ideas. Instead of constantly "reinventing the wheel," we leverage existing technologies and find ways to make them even better. Over time, this method creates more consistent quality and greater value for our customers, resulting in products that offer the lowest total cost of ownership.

For example, in 2007 we introduced the groundbreaking Cascadia® Class 8 truck model, powered by the Detroit™ DD15® engine. The sleek aerodynamic design and state-of-the-art engine set a new standard in fuel efficiency. But we didn't stop there.

Our engineers continued to research the effects of improved aerodynamics on a truck's overall efficiency. We spent thousands of hours testing airflow and wind resistance in Daimler Trucks North America's proprietary wind tunnel, as well as hundreds of thousands of miles on actual roads in real-world conditions. And in 2010, we updated the available aerodynamic features and implemented Daimler's highly efficient BlueTec® emissions technology.

PROVEN PERCENTAGES.

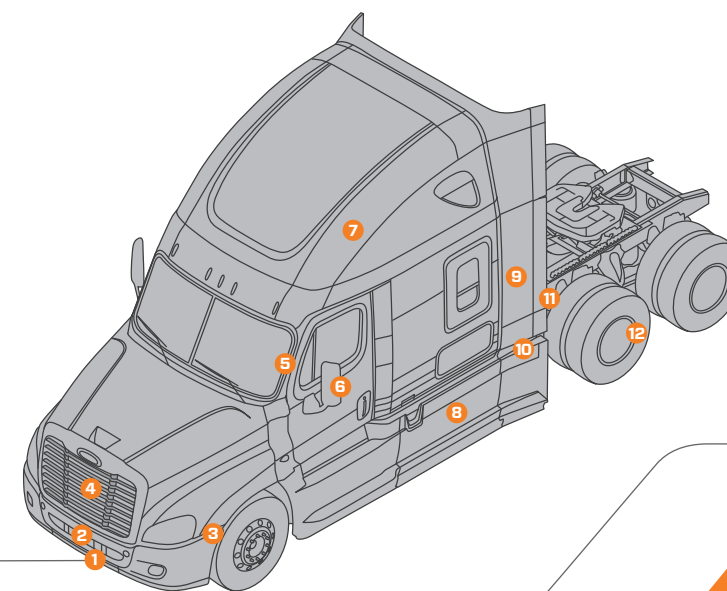
The enormous success of the Cascadia continued to drive our quest for maximized fuel economy. Partnering with engineers at Detroit, we developed the Cascadia Evolution, powered exclusively by a newly designed DD15 engine. This new model achieves up to a 7% increase in fuel economy over the first-generation EPA 2010-compliant Cascadia model and a 5% increase over the 2013 model with next-generation aerodynamic enhancements.

MOVING FORWARD.

Freightliner Trucks has set a clear and deliberate path of innovation, so we have the confidence to invest boldly in the future. The technologies we've developed are proven and successful because they address the needs of customers and the industry. And we will continue to use innovative engineering to solve business challenges. That's why we're different. That's why you can be confident in our leadership.



WHEN COMBINED,
EACH DETAIL MAKES
A BIG IMPACT.



The Cascadia Evolution is available in day cab, mid-roof and raised-roof configurations, and it offers a variety of advanced aerodynamic features that significantly increase efficiency and overall performance. We installed additional seals and gap closures to decrease drag. New chassis side fairings streamline airflow around the vehicle and improve performance in cross-wind conditions. We even re-shaped the mirrors and integrated the antennae to maximize aerodynamics down to the smallest detail. Together, these innovations result in better fuel economy, which is at the core of our commitment to our customers.

- 1 Bumper Air Dam
- 2 Bumper Closure
- 3 Hood-to-Bumper Fill
- 4 Cooling Enhancements
- 5 Windshield Seal Improvements
- 6 Elliptical-Shaped Mirrors
- 7 Integrated Antennae
- 8 Chassis Side Fairing Enhancements
- 9 20-inch Side Extenders
- 10 Side Extender Filler Piece
- 11 Upper Flap Extender (when 1/4 fenders are spec'd)
- 12 Rear Wheel Covers

CONFIGURATION	INLINE 6-CYLINDER
DISPLACEMENT	906 cu. in. (14.8 L)
COMPRESSION RATIO	18.4:1
BORE	5.47 in. (139 mm)
STROKE	6.42 in. (163 mm)
WEIGHT (DRY)	2763 lb. (1254 kg)
ELECTRONICS	DDEC®
OIL & FILTER CHANGE	45.5 qt. (43 L)
HORSEPOWER RANGE	455-505
TORQUE RANGE	1550-1750 lb. - ft.

UNDER THE HOOD,
IT GETS EVEN BETTER.

Detroit engineers have refined the DD15 engine to gain in both performance and fuel economy. For example, new friction-optimized pistons reduce contact pressure associated with the oil control ring. This not only helps enhance fuel efficiency, it improves durability.

The new variable speed water pump controls flow and power consumption based upon engine speed and coolant temperatures. This reduces load on the engine.

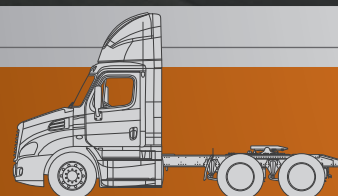
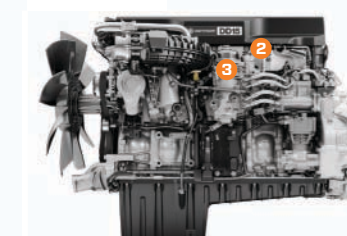
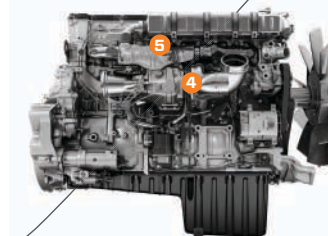
We've also implemented a next-generation Amplified Common Rail Fuel System (ACRS™) with higher injector pressure for optimized combustion control. And our updated fuel filter module extends change intervals up to 100,000 miles, increasing uptime.

Finally, this updated DD15 engine uses a patented asymmetric turbocharger, which offers proven performance while reducing mechanical complexity. And the engine is 100 lb. lighter than before. Working in concert, all of these improvements help increase fuel economy tremendously. And it's available exclusively on the Cascadia Evolution.

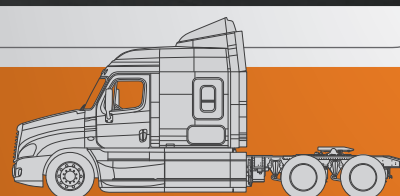
DETROIT **DD15**



- 1 New Variable Speed Water Pump
- 2 Next-generation ACRS™
- 3 Updated Fuel Filter Module
- 4 Asymmetric Turbocharger
- 5 Optimized Piston Design



Day Cab*



70" Mid-Roof XT



72" Raised Roof

*113 BBC Day Cab available with Detroit DD13® and 125 BBC Day Cab available with Detroit DD15®

ADAPTING YOUR FLEET TO THE LATEST TECHNOLOGIES IS SMART BUSINESS.



ERGONOMICS ENHANCE SAFETY AND PRODUCTIVITY.

At Freightliner Trucks, we understand that driver productivity is a big part of the efficiency story. When the Cascadia was introduced, it represented major advancements in interior cab function and comfort. The Cascadia Evolution maintains that successful design, which includes an automotive-style wraparound dash that puts switches and controls within reach. Backlit gauges are easy to read. The cockpit is roomy with wide seats and long arm rests. A variety of amenities optimize the cabin for long hauls, including optional features like seat heating and ventilation, and two-chamber lumbar and side bolster support. And the Cascadia Evolution still sets the standard for quiet. So you can set the standard for productivity.

Freightliner Trucks and Detroit have solidified our leadership positions with many product innovations in recent years. It's an evolutionary process that keeps our customers at the forefront of technology.

The newly designed Detroit DD15 engine incorporates BlueTec® emissions technology. It significantly reduces pollution by actually turning harmful exhaust into nitrogen and water.

The Cascadia Evolution is also equipped with Run Smart Predictive Cruise™, a global positioning system (GPS) with three-dimensional mapping of the vehicle's route. It enables the truck to more efficiently accelerate and decelerate over hilly terrain, increasing fuel economy.

The Detroit Virtual Technician™ onboard diagnostic system is like having a service technician in each truck. When a fault code event occurs, a technical snapshot is relayed to a Detroit technician who can diagnose the issue, recommend service and even contact the nearest authorized dealership with parts in stock.

The Virtual Technician system's optional Visibility Package provides a wealth of information to help you manage your fleet more effectively. The web-based system monitors the status of each truck in your fleet, capturing latitude, longitude, time and odometer readings. With pinpoint accuracy, the system records vehicle stops, speeds, routes traveled, mileage by state, excessive idling and other on-board events.

SHAPING THE FUTURE.

The Freightliner Cascadia Evolution is the result of our commitment to evolve and innovate. It represents a new level of performance and efficiency. Yet as proud as we are, there are more milestones to reach. Partnering with Detroit, we will continue to pursue them. Great ideas today will become great products tomorrow – the kind that will help you build a brighter future for your business. We invite you to evolve with us.

A WIDE NETWORK OF SUPPORT THAT ALWAYS HAS YOUR BACK.



UNMATCHED SERVICE AND SUPPORT.

With more than 300 Freightliner dealer locations across North America, customers are never far from the convenient service and support they have come to expect from the industry leader.

In addition, over 200 Freightliner ServicePoint facilities located at TravelCenters of America and Petro Stopping Centers offer certified repair and warranty work. When you need a factory-certified technician, Detroit offers more than 800 locations in North America. Freightliner also maintains strategically-located parts distribution centers throughout North America, ensuring fast parts delivery to keep customers up and running.

The Freightliner Customer Assistance Center hotline is open and ready to assist customers 24 hours a day, seven days a week. Customers may call the toll-free number (1-800-FTL-HELP) for technical support, to arrange roadside assistance or towing services, or to locate the nearest dealer or service center.

FINANCING IS EASY.

Daimler Truck Financial (DTF) offers a variety of options, including loans and leases tailored to the trucking industry, that make financing go smoothly. DTF has been meeting the financing challenges of owner-operator and fleet customers for more than 30 years. It offers finance solutions including conventional retail financing at attractive and competitive rates, a variety of terms to match cash flow, and up to 100% financing for qualified customers.

Daimler Truck Financial

Financing that works for you.

FREIGHTLINERTRUCKS.COM/EVOLUTION

COMPREHENSIVE WARRANTIES FOR ADDED PEACE OF MIND.

Freightliner stands behind its trucks every step of the way. We offer one of the most comprehensive warranties in the business, as well as a variety of extended warranties.



BETTER PARTS. GOOD PRICES.

Alliance Truck Parts offers a range of new and remanufactured maintenance, repair and replacement parts and accessories for virtually all types of heavy-duty trucks at an affordable price. Alliance Truck Parts are sold at Freightliner dealers throughout the U.S. and Canada.



SCAN TO SEE PROOF
OF ACTUAL FUEL
EFFICIENCY SAVINGS.



SCAN TO SEE OUR
DD15 ADVANCEMENTS.



Competitive financing available through Daimler Truck Financial. For the Freightliner Trucks dealer nearest you, call 1-800-FTL-HELP. www.freightlinertrucks.com. 15M, 7/12. FTL/MC-B-1200. Specifications are subject to change without notice. Freightliner Trucks and Detroit Diesel Corporation are registered to ISO 9001:2008 and ISO 14001:2004. Copyright © 2012. Daimler Trucks North America LLC. All rights reserved. Freightliner Trucks is a division of Daimler Trucks North America LLC. Detroit™ is a brand of Detroit Diesel Corporation. Daimler Trucks North America and Detroit are Daimler companies.