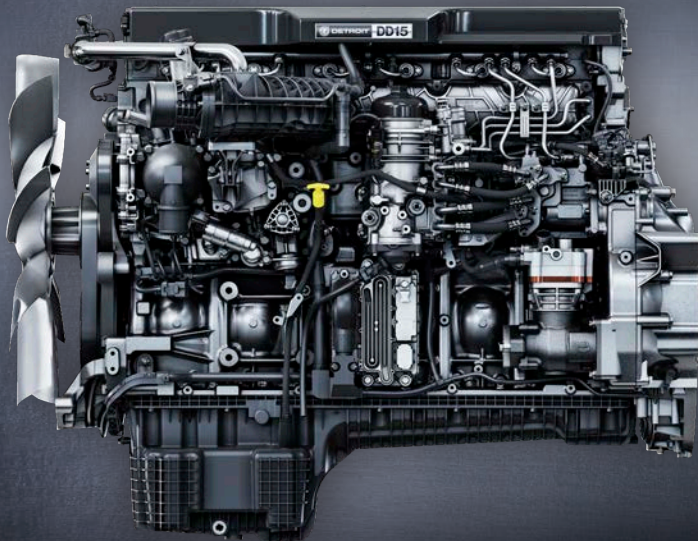




# DETROIT<sup>®</sup> DD15<sup>®</sup> GEN 5

ON-HIGHWAY TECHNICAL SPECS

**THE BEST 6-CYLINDER DIESEL ENGINE JUST GOT EVEN BETTER.** BUILDING UPON PROVEN DETROIT<sup>®</sup> TECHNOLOGY, THE DD15<sup>®</sup> GEN 5 OFFERS INDUSTRY-LEADING EFFICIENCY, PERFORMANCE AND DURABILITY FOR YOUR HEAVY-DUTY TRUCK.

KEY ON-HIGHWAY FEATURES INCLUDE:

## **BETTER COMBUSTION FOR BETTER FUEL ECONOMY.**

Ultra-high compression ratios, increased down speeding and an improved swirl piston design give this engine up to 3% better fuel economy than previous models.

## **VERSATILITY FOR A WIDE RANGE OF APPLICATIONS.**

Thanks to new power ratings and greater application coverage, the DD15 Gen 5 is strong, durable and ready for any job.

## **POWER TO MOVE PAYLOADS QUICKLY.**

With its ball-bearing simple geometry turbo, the Gen 5 can reach peak power and torque quickly, getting payloads moving without compromising efficiency.

## **SHORTER REGEN CYCLES.**

A new and innovative thermocoasting design feature shortens regen cycles by preventing aftertreatment system cool-down during coasting.

## **GREATER RELIABILITY THAN EVER BEFORE.**

While the DD15 is already one of the most reliable diesel engines, the Gen 5 continues the legacy with less complexity and more durability than ever before.

## **LONGER MAINTENANCE INTERVALS.**

Our new aftertreatment system can do more with less space, increasing ATS maintenance intervals.

## **TRUSTED SERVICE AND TECHNOLOGY.**

The #1-rated Detroit service network, in tandem with the Detroit Connect Virtual Technician<sup>®</sup> remote diagnostic system, helps you maximize uptime.

### DD15 GEN 5 SPECIFICATIONS

|                                    |                      |
|------------------------------------|----------------------|
| Configuration                      | Inline 6 Cylinder    |
| Displacement                       | 906 cu. in. (14.8 L) |
| Compression Ratio                  | 21.0:1               |
| Bore                               | 5.47 in. (139 mm)    |
| Stroke                             | 6.42 in. (163 mm)    |
| Weight (Dry)                       | 2718 lb (1233 kg)    |
| Electronics                        | DDEC <sup>®</sup>    |
| Service Fill (Oil & Filter Change) | 45 qt (43 L)         |
| Horsepower Range                   | 425 - 475            |
| Torque Range                       | 1550 - 1750          |



### DETROIT CONNECT VIRTUAL TECHNICIAN REMOTE DIAGNOSTIC SYSTEM

If maintenance issues come up on the road, you can count on Detroit Connect Virtual Technician<sup>®</sup>. With Virtual Technician, you are notified within minutes of a vehicle fault event. You will receive information on the severity of the fault and guidance including when, where and how to best fix the issue causing the event.

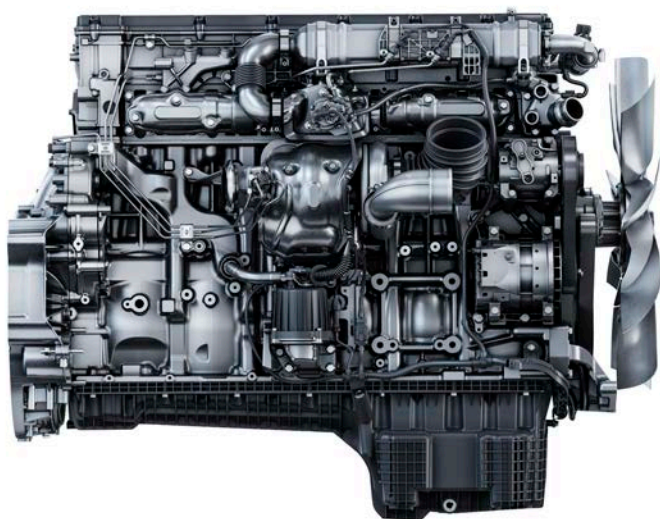
### Maintenance Intervals\*

| Item                           | Mi/Km/Hr†                                                                         | Severe Duty          | Short-Haul           | Long-Haul            | Efficient Long-Haul |
|--------------------------------|-----------------------------------------------------------------------------------|----------------------|----------------------|----------------------|---------------------|
| Engine Oil and Filter Change** | Miles                                                                             | 35,000               | 45,000               | 60,000               | 75,000              |
|                                | Kilometers                                                                        | 56,000               | 72,000               | 97,000               | 121,000             |
|                                | Hours                                                                             | 750                  | 1,000                | —                    | —                   |
| Fuel Filter Change             | Miles                                                                             | 35,000               | 45,000               | 60,000               | 75,000              |
|                                | Kilometers                                                                        | 56,000               | 72,000               | 97,000               | 121,000             |
|                                | Hours                                                                             | 750                  | —                    | —                    | —                   |
| Valve Lash Adjustment          | Miles                                                                             | Adjust every 200,000 | Adjust every 500,000 |                      |                     |
|                                | Kilometers                                                                        | Adjust every 322,000 | Adjust every 800,000 |                      |                     |
| Diesel Particulate Filter      | Miles                                                                             | 455,000              | 455,000 to 550,000   | 550,000 to 640,000   | 640,000             |
|                                | Kilometers                                                                        | 886,000              | 734,000 to 886,000   | 886,000 to 1,030,000 | 1,030,000           |
|                                | Hours                                                                             | 10,000               | 10,000 to 12,000     | 12,000 to 14,000     | 14,000              |
| DEF Pump Filter                | Replace filter every 3 years or 500,000 miles (800,000 km), whichever comes first |                      |                      |                      |                     |

\* Maintenance intervals using Detroit<sup>®</sup> Fluids Specification 93K222 (CK-4) or 93K223 (FA-4) Approved Oils  
 \*\* Recommended based on using Detroit's lube oil and oil analysis program. Severe duty is up to 30,000 annual miles (48,000 kilometers) and a vehicle that averages less than 5 miles per gallon (mpg). Short-haul is between 30,000 and 60,000 annual miles (48,000-96,000 kilometers) and a vehicle that averages between 5.1 and 5.9 mpg. Long-haul is over 60,000 annual miles (96,000 kilometers) and a vehicle that averages between 6.0 and 6.9 mpg. Efficient long-haul is over 60,000 annual miles (96,000 kilometers) and a vehicle that averages greater than 7 mpg.  
 † Miles/Kilometers or Hours, whichever occurs first.

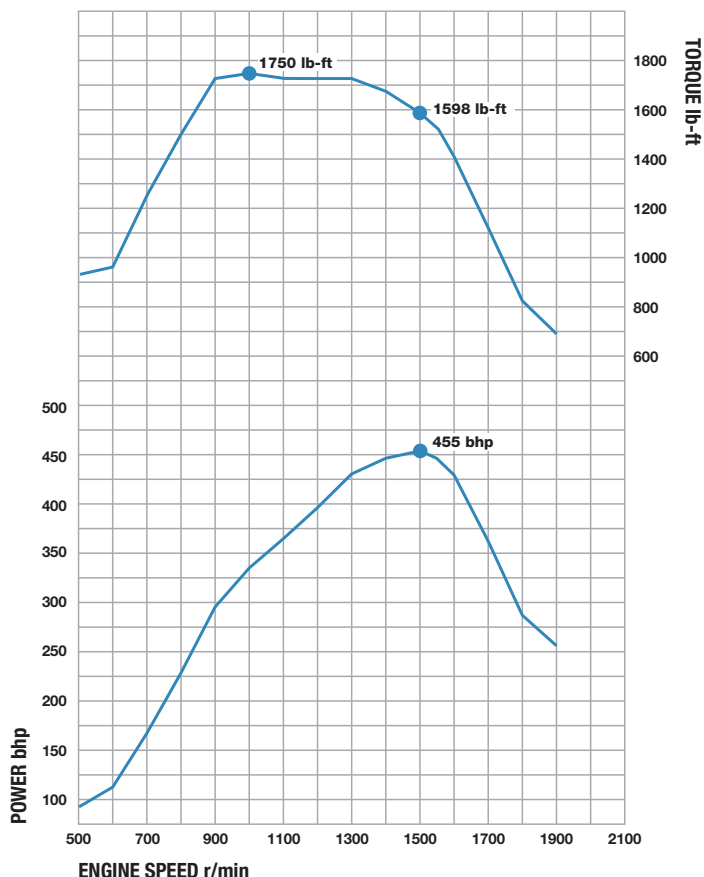
### Standard Warranty

| Item                                                                                                                                      | Warranty Limits<br>(Whichever Occurs First) |                          | Repair Charge<br>(Paid by Owner) |             |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|--------------------------|----------------------------------|-------------|
|                                                                                                                                           | Months                                      | Miles / Kilometers       | Parts                            | Labor       |
| Engine                                                                                                                                    | 0-24                                        | Unlimited                | No charge                        | No charge   |
| Injectors                                                                                                                                 | 0-24                                        | 200,000 mi<br>320,000 km | No charge                        | No charge   |
| Upon expiration of the 24-month warranty coverage, but within 500,000 mi / 800,000 km of use, the warranty continues to apply as follows: |                                             |                          |                                  |             |
| Major Components                                                                                                                          | 25-60                                       | 500,000 mi<br>800,000 km | No charge                        | Not covered |



### DD15 GEN 5 PERFORMANCE CURVE

455 bhp / 1750 lb-ft



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