

DETROIT[®] DD15[®] GEN 5

VOCATIONAL TECHNICAL SPECS

WITH NEW POWER RATINGS, IMPROVED FUEL ECONOMY AND THE ROCK-SOLID RELIABILITY YOU EXPECT FROM DETROIT[®], THE DD15[®] GEN 5 IS EQUIPPED FOR ANY JOB.

KEY VOCATIONAL 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 DD15 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.

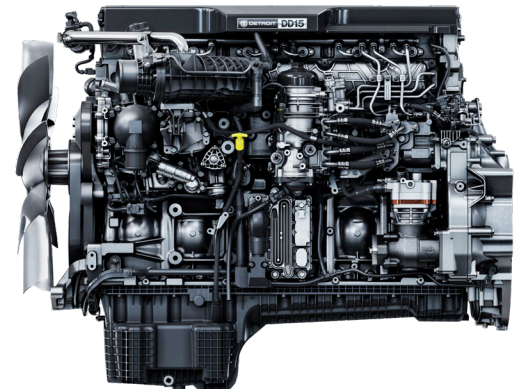
New thermal management techniques keep heat in the aftertreatment process, increasing ATS maintenance intervals. In addition, our new aftertreatment system extends DPF cleaning intervals, reduces powertrain weight by 60 lbs. and improves SCR performance to significantly lower total cost of ownership.

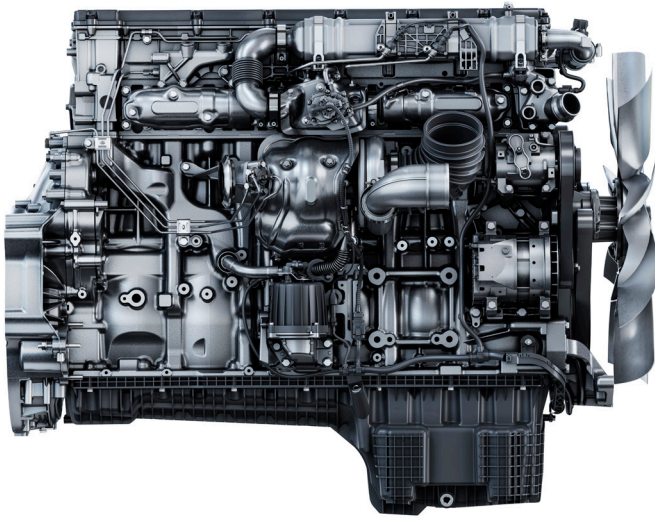
TRUSTED SERVICE AND TECHNOLOGY.

The #1-rated Detroit service network, in tandem with the Detroit Connect Virtual Technician[®] remote diagnostic system, helps you maximize uptime. Built on a legacy of globally tested and consistently proven technology, the DD15 Gen 5 offers industry-leading power and productivity.

DD15 GEN 5 VOCATIONAL SPECIFICATIONS

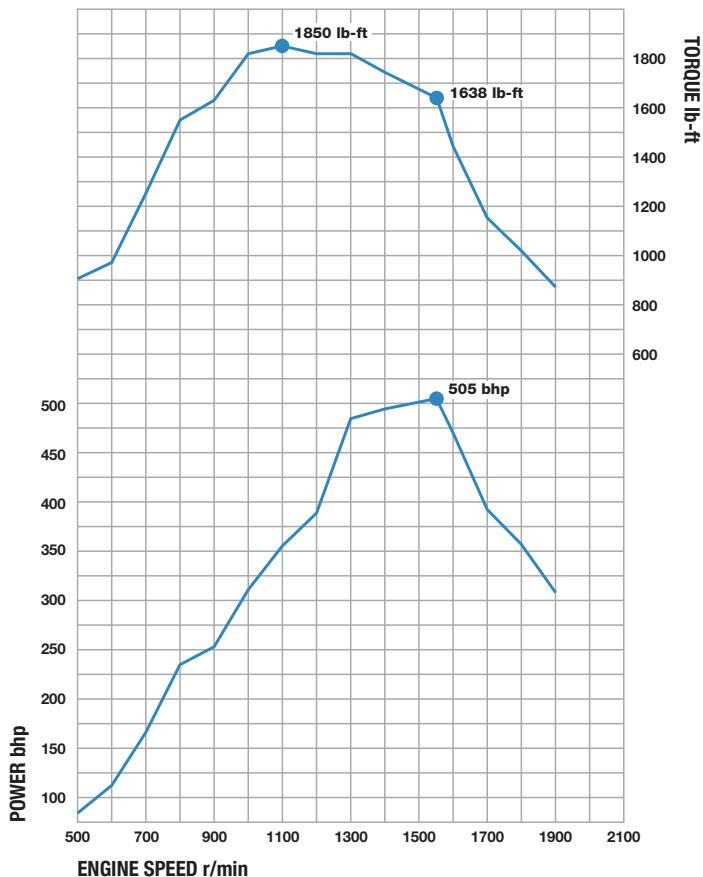
Configuration	..... Inline 6 Cylinder
Displacement	..... 907 CU IN (14.8 L)
Compression Ratio	..... 21.0:1
Bore	..... 5.47 in (139 mm)
Stroke	..... 6.42 in (163 mm)
Weight (Dry)	..... 2718 lb (1233 kg)
Electronics	..... DDEC [®]
Service Fill (Oil & Filter Change)	..... 45 qt (43 L)
Horsepower Range	..... 485 - 505
Torque Range	..... 1650 - 1850





DD15 GEN 5 PERFORMANCE CURVE

505 bhp / 1850 lb-ft



DETROIT CONNECT VIRTUAL TECHNICIAN REMOTE DIAGNOSTIC SYSTEM

If maintenance issues come up on the road, you can count on Detroit Connect Virtual Technician[®]. 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	A check engine light will illuminate when ash requires removal				
	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[®] 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 (Whichever Occurs First)		Repair Charge (Paid by Owner)	
	Months	Miles / Kilometers	Parts	Labor
Engine	0-24	Unlimited	No charge	No charge
Injectors	0-24	200,000 mi 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 800,000 km	No charge	Not covered

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