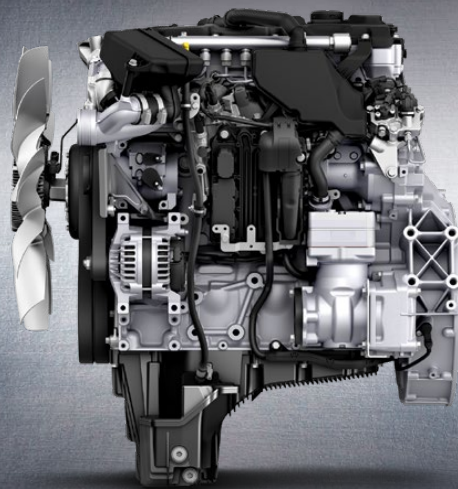


NEW Detroit DD5 Engine

NOW AVAILABLE through Midwest Bus Sales,
your Thomas Built Bus dealer!



DETROITTM DD5TM

TECHNICAL SPECIFICATIONS

THE DETROIT DD5 ENGINE THE MOST ADVANCED ENGINE TECHNOLOGIES ENGINEERED TODAY.

This next-generation mid-range engine delivers unsurpassed efficiency with exceptional endurance. All while achieving the longest maintenance intervals in the industry for maximum uptime.

PERFORMANCE

- Meet your deadline every time
 - Sturdy rear gear train and ribbed cast iron block minimizes noise vibration harshness (NVH)
 - Simple fixed-geometry dual-stage turbo provides performance, efficiency, and reliability
 - Robust design provides B10 life of 400,000 miles
 - Integrated engine brake option provides superior braking horsepower to extend service brake life

POWER

- Usable power and torque reached at lower engine speeds—ideal for the demands of today's medium-duty truck operations

COMPLIANCE

- The DD5 is compliant with 2017 Greenhouse Gas (GHG17) requirements
- 2016 On-Board Diagnostics certified

ECONOMY

- Smart, fuel-efficient design makes the most of every gallon
 - Advanced common rail fuel system optimizes each injection event to minimize fuel consumption
 - Piston and cylinder design reduces friction and provides optimal combustion
 - Variable cam phasing technology for improved aftertreatment system performance
 - Variable-speed fan and advanced cooling reduce fan on time, contributing to lower fuel consumption.

SERVICEABILITY

- Longest scheduled maintenance intervals in its class
- Oil and fuel filters are positioned above the frame rails for easier, faster, and cleaner filter changes
- Maintenance-free crankcase breather
- Detroit[™] Connect Virtual Technician[™] remote diagnostic service helps you maximize uptime

DD5 SPECIFICATIONS

Configuration	Inline 4 Cylinder
Displacement	313 cu. in. (5.1 L)
Compression Ratio	17.6:1
Bore	4.33 in. (110 mm)
Stroke	5.3 in. (135 mm)
Weight (Dry)	1188 lb. (539 kg.)
Electronics	DDEC [®]
Service Fill (Oil & Filter Change) ..	18 qt. (17.5 L)
Horsepower Range	200-240
Torque Range	560-660



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Maintenance Intervals

Item	Mi / km / Hr†	Severe Duty	Short-Haul	Long-Haul
Engine Oil and Filter Change*	Miles	35,000	45,000	50,000
	Kilometers	56,000	72,000	80,000
	Hours	1000	1500	1700
	Months	12	18	—
Fuel Filter Change	Miles	35,000	45,000	50,000
	Kilometers	56,000	72,000	80,000
	Hours	1000	1500	1700
	Months	12	18	—
Valve Lash Adjustment	Miles	70,000	90,000	100,000
	Kilometers	113,000	145,000	161,900
	Hours	2000	3000	3400
	Months	24	36	—
Diesel Particulate Filter	A check-engine light will illuminate when ash requires removal. Normal DPF ash clean interval is:			
	Miles	< 190,000	190,000-225,000	225,000
	Kilometers	< 306,000	306,000-362,000	362,000
	Hours	< 6300	6300-7500	7500
DEF Pump Filter	Replace every 3 years or 500,000 miles (805,000 km) (10,000 hrs.)			

* Maintenance intervals using Detroit Fluids Specification 93K222 (CK-4) or 93K223 (FA-4) Approved Oils.
Severe duty averages less than 10 miles per gallon (mpg) and operates under severe conditions.
Short-haul is up to 60,000 annual miles (96,000 kilometers) and averages between 10.1 and 11.9 mpg.
Long-haul is over 60,000 annual miles (96,000 kilometers) and averages greater than 12.0 mpg.

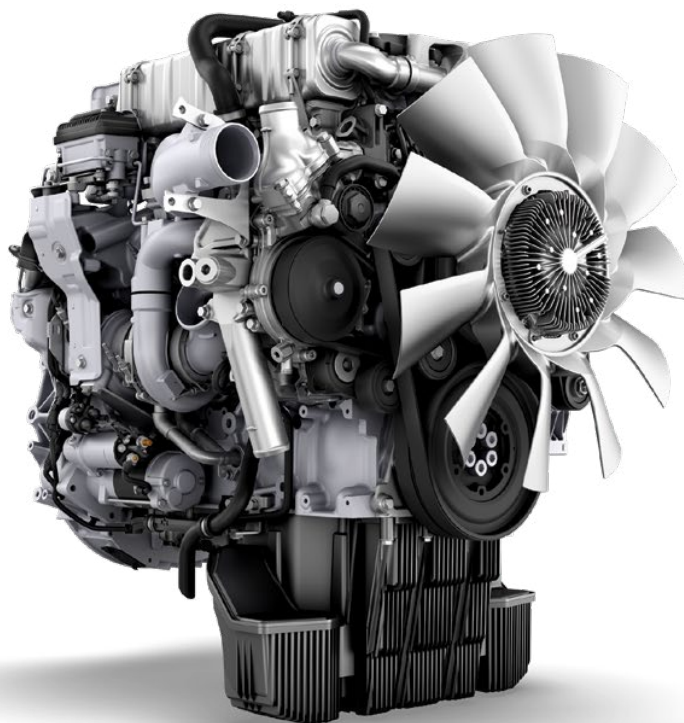
† Miles/Kilometers or time, whichever occurs first.

Power Ratings

DD5 Engine Power Ratings	
200 HP @ 2200 RPM	560 lb-ft @ 1400 RPM
220 HP @ 2200 RPM	560 lb-ft @ 1400 RPM
240 HP @ 2200 RPM	660 lb-ft @ 1400 RPM

Standard Warranty

Item	Warranty Limits (Whichever Occurs First)		Repair Charge (Paid by Owner)	
	Months	Miles / Kilometers	Parts	Labor
Engine	0-36	250,000 mi 400,000 km	No charge	No charge



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