



FORD COMPONENT SALES, LLC

Ford 3.0L Power Stroke V6 Turbo Diesel Engine

Technical Specifications

Engine Type:
3.0L Power Stroke V6 Turbo Diesel

Block / Head:
Compacted Graphite Iron / Aluminum

Bore x Stroke (in): 3.31 x 3.54

Displacement (liters / cu. in):
3.0L / 183

Compression Ratio: 16.0:1

Fuel Injection: Direct-injection

Induction: Single turbocharged

Fuel Requirement (octane):
ULSD Diesel / B20 biodiesel

Valvetrain: DOHC

Valve Operation: Roller finger follower

Power (HP @ RPM): 250 @ 3250

Torque (lb.-ft @ RPM): 440 @ 1750

Oil Capacity / Spec:
6.5Qts / SAE 5w-30 Diesel Motor Oil

Weight (lbs.): 487

Dimensions (mm) H x W x L:
882 x 915 x 708



fordcomponentsalesllc.com

290 Town Center Drive, Ste. 1000
Dearborn, MI 48126

 (313) 390-1200

 fcscusts@ford.com

Ford 3.0L Power Stroke V6 Turbo Diesel Engine

Key Features & Benefits

250 horsepower @ 3250 rpm

440 lb.-ft. of torque @ 1750 rpm

Biodiesel capability up to B20

- Designed to handle a mixture of up to 20% biodiesel by volume and 80% petroleum diesel fuel
- Biodiesel of ASTM D7467 Grade S15 (15 ppm sulfur maximum) should be used

Compacted graphite iron (CGI) deep-skirt engine block and aluminum cylinder heads help reduce weight while maintaining maximum strength for the horsepower and torque capacity of the Power Stroke V6

Forged-steel, fully counterweighted crankshaft for strength and durability

Large turbocharger accommodates high airflow to maximize power and enhance high-altitude performance

- Single compressor wheel forces air into the engine's cylinders to enhance performance, especially at high altitudes where the air is thinner than at sea level
- Compact and efficient variable-nozzle design helps deliver maximum power quickly

High-pressure common-rail fuel injection

- Deliver up to five fuel injections per combustion cycle for excellent throttle response, efficiency and NVH characteristics
- High-pressure fuel pump helps deliver more fuel when needed to provide more power — without impacting operational efficiency
- Fuel injector tips designed to deliver precise fuel atomization, resulting in maximized combustion, low NVH, clean emissions and reduced buildup of fuel deposits on the valves over time

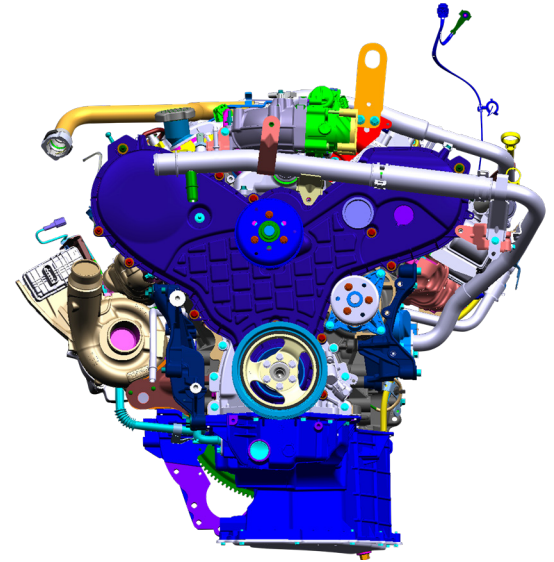
Aluminum cylinder heads

- Help reduce weight
- Feature dual water jackets for enhanced cooling and increased strength

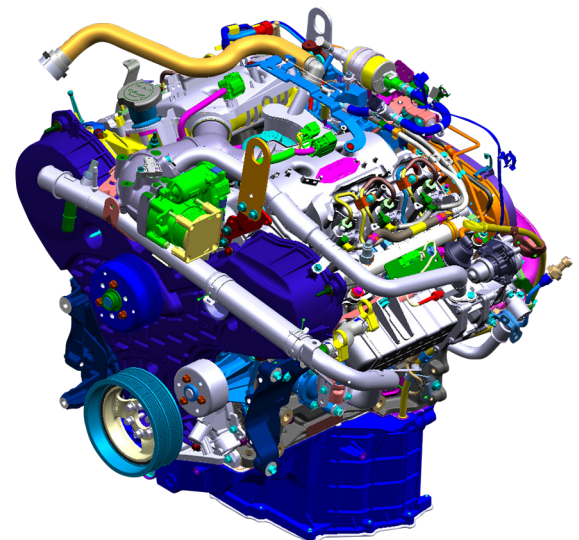
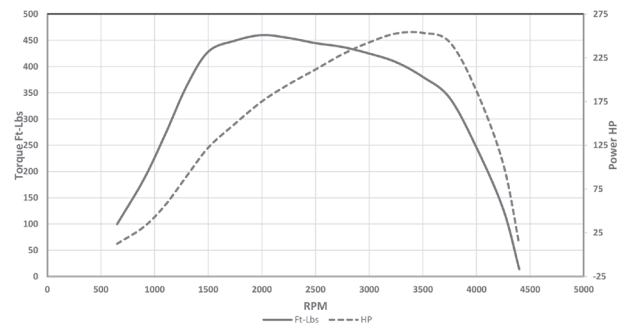
Die-cast structural oil pan

Engine block heater available

Paired with the 10 speed automatic transmission with SelectShift capability



F-150 - Lion 3.0L V6 Diesel



Specifications, features, and benefits applicable to engines and transmissions are based on Ford products, and may vary with different applications. Pictures and details shown are for illustrative purposes only (actual product may vary). Additionally, the availability of the product(s) described herein may vary. Contact Ford Component Sales, LLC for details.