



FORD COMPONENT SALES

5.0L 32V Ti-VCT V8 Engine

Technical Specifications

Engine Type:
5.0L Ti-VCT V8

Block / Head:
Aluminum / Aluminum

Bore x Stroke (in):
92.2 x 92.71

Displacement (litres / cu. in):
5.0L (307 CID)

Main Bearings: 5

Compression Ratio: 12.1

Fuel Injection:
Direct Injection

Valve Operation:
Roller finger follower

Power (kW/PS):
(359kW/486PS)

Torque (lb.- t @ RPM):
213 (157) @ 1500

Oil Capacity / Spec:
SAE 5W-30

Weight (kg / lbs.)
205.5 kg / 453 lbs.

Dimensions (mm) H x W x L
780 x 797 x 800



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Key Features & Benefits

The 5.0L is a V-8 engine with the following features:

Aluminum cylinder heads

Aluminum, 90-degree V-cylinder block

Interference design engine

Dual overhead camshafts

Four valves per cylinder

SFI

Direct fuel injection

Twin independent VCT system

Individually chain-driven camshafts with a hydraulic timing chain tensioner on each timing chain

Electronic ignition system with 8 ignition coils

Dual throttle body intake

The 5.0L Dark Horse engine has the following unique components:

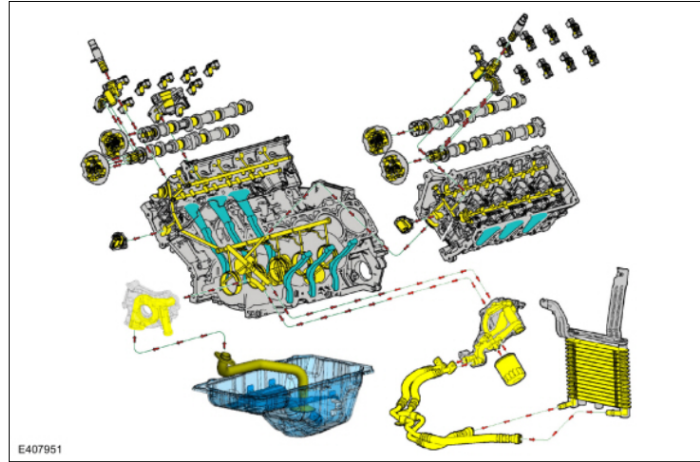
5.2L Connecting rods

Connecting rod bearings

Crankshaft (unique balance)

Cylinder block (with additional clearance cut for rod path)

Engine Oil Flow Illustration



Item	Description
Yellow	High pressure oil
Blue	Oil return low pressure

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, for details.