



FORD COMPONENT SALES

5.0L 32V Ti-VCT Mustang Coyote Service 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-ft):
418 lb-ft.

Oil Capacity / Spec:
SAE 5W-30

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

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



[fordcomponentsales](http://fordcomponentsales.com)

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Key Features & Benefits

The 2024 Mustang boasts a new 4th generation Coyote 5.0L Ti-VCT V8 engine, featuring cutting-edge technologies and design improvements for outstanding performance. This powerhouse engine is engineered to deliver exceptional power, efficiency, and durability.

Twin independent VCT system

Valve Lifters
Roller Finger Followers

Forged-Steel, Fully Counterweighted Crankshaft
Ensures strength and durability.

Plasma Transferred Wire Arc (PTWA) Cylinder Liner Technology
Polymer-Coated Crankshaft Main Bearings
Reduce friction.

Sinter-Forged Connecting Rods
For high-rpm operation.



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.