

5.0L GEN 4 MUSTANG CRATE ENGINE W/ FLYWHEEL

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M-6007-M50D

Retail	\$12,650.00
Sold in Units of	Each (1)
Instruction Sheet	Not Available

ATTENTION:

This part is intended as a replacement part for use only in the application(s) identified in the product description. Installation of this part in a vehicle for which it is not intended may violate U.S. and Canadian laws and regulations related to motor vehicle emissions.



Unleash the beast within your Mustang with the 5.0L GEN 4 Crate Engine, boasting 480 horsepower and 415 lb.-ft. of torque for exhilarating performance. Engineered with advanced tech like dual throttle bodies and direct fuel injection, it transforms your drive into a thrilling experience.

Ford Performance Parts is pleased to announce the latest 5.0L Coyote all-aluminum crate engine from the 2024 Mustang GT. This modern 5.0L 32-valve DOHC V-8 uses advanced features such as direct and port fuel injection, twin independent variable camshaft timing (Ti-VCT), high-flow cylinder heads, dual throttle bodies, and a heightened compression ratio to deliver 480 horsepower and 415 lb.-ft. of torque (with premium fuel).

The lightweight plasma transferred wire arc spray aluminum cylinder block features cross-bolted main bearing caps and thick main bearing bulkheads for bottom-end strength, and optimized oil drainback and windage control to improve high-rpm performance.

- 480 Horsepower @ 7,150 rpm
- 415 lb.-ft. of Torque @ 4,900 rpm
- 12.0:1 Compression ratio
- Bore 93 mm x Stroke 92.7 mm
- Hypereutectic aluminum pistons
- Sintered steel connecting rods as used on BOSS 302 Mustang
- Forged steel crankshaft
- Aluminum block which features plasma transferred wire arc spray weld liner coating
- Longer, 12 mm head bolts for higher clamp load
- 9.5 qt capacity steel oil pan
- Tuned composite intake manifold provides efficient air delivery and weight savings
- Twin 80 mm single bore "drive by wire" electronic throttle bodies with variable runner control

- High-flow aluminum cylinder heads, dual overhead camshaft (DOHC), four valves per cylinder, variable intake and exhaust camshaft timing
- Includes engine harness and dual mass flywheel. For engine equipped with automatic flex plate, see M-6007-M50DAUTO
- Engine mount bosses and bell housing mount pattern common to 5.0L modular engines
- Mustang GT 409 stainless steel tubular exhaust manifold on the RIGHT SIDE ONLY
- Vehicle harness and PCM not included
- Use Ford Performance M-6017-M50D Control Pack which includes wiring, PCM and installation kit, designed for project car installation
- Does not include alternator, for alternator kit see M-8600-M50ALTD
- 5.0L Coyote air conditioning kit available, see M-8600-M50AC
- 5.0L Mustang motor mount kit available, see M-6038-M50
- 5.0L Mustang engine cover kit available, see M-9680-M50D
- Photo and specs may vary
- Engine weight: 453 lbs. without front accessory drive components

Note: driver side exhaust flange utilizes 5.2L pattern

Part Type	Engine: Complete Engines
Warranty Availability	 Available
Package Dimensions	42" x 45" x 45"
Package Weight	592 lb(s)
UPC Code	756122019399
Country of Origin	Canada

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