

FORD 5.0L V8 COYOTE (GEN 3, GEN 4) HIGH-PERFORMANCE DIRECT INJECTION FUEL INJECTOR

Part # 612008

Extreme Fuel Delivery for High-Horsepower Applications

Stanadyne's Ford 5.0L V8 Coyote direct injection fuel injectors deliver the additional fuel flow required for high-performance while preserving the factory spray pattern and targeting. Not a modified OEM injector, each unit is an all-new Stanadyne design and manufactured using precision laser-drilled nozzle technology for +85% flow capacity versus OEM while maintaining the combustion characteristics engineered by Ford.



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TECHNICAL SPECIFICATIONS

STANADYNE PART # 612008

Injector Tip Diameter	7.45 mm (OE)
Number of Nozzle Holes	6 (OE)
Nozzle Technology	Precision laser drilled
Spray Pattern	Same as OE
Rated Operating Pressure	200 bar
Maximum Fuel Pressure	280 bar
Flow Increase	+85% vs. OEM
Installation	Direct drop-in
Calibration	Required *(available through Stanadyne partners)*

Key Features

- All new injector design; not a modified OEM injector
- Maintains OEM spray targeting
- Finite Element Analysis (FEA) validated design
- OE-quality idle and drivability after proper calibration
- Direct replacement for OEM fuel rail and cylinder head
- Designed for naturally aspirated, supercharged, and turbocharged engines
- Compatible with gasoline and E85 fuel

Vehicle Fitment

Ford Gen 3 (2018–2023) & Gen 4 (2024+) 5.0L V8 Coyote with dual port and direct injection, including:

- 2018–2023 Ford Mustang GT
- 2019–2020 Ford Mustang Bullitt
- 2021–2023 Ford Mustang Mach 1
- 2024+ Ford Mustang GT
- 2024+ Ford Mustang Dark Horse
- 2018+ Ford F-150 5.0L V8

NOTE: Verify injector compatibility by vehicle and engine configuration before purchase or installation.

Stanadyne®

Fueling Innovation

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