

FORD 3.0L ECOBOOST V6 HIGH-PERFORMANCE DIRECT INJECTION FUEL INJECTOR

Part # 611869

Extreme Fuel Delivery for High-Horsepower EcoBoost Applications

Stanadyne's Ford 3.0L EcoBoost 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 +70% flow versus OEM while maintaining the combustion characteristics engineered by Ford.



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TECHNICAL SPECIFICATIONS

STANADYNE PART # 611869

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	250 bar
Maximum Fuel Pressure	320 bar
Flow Increase	+86% vs OE (100 bar, 5 ms)
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
- Compatible with gasoline and E85 fuel

Vehicle Fitment

Ford/Lincoln 3.0L EcoBoost V6 applications using gasoline direct injection (GDI), including:

- 2020+ Ford Explorer ST/Platinum/King Ranch
- 2020+ Ford Police Interceptor
- 2020+ Lincoln Aviator 3.0T
- 2022/2024+ Ford Bronco Raptor
- 2022/2024+ Ford Ranger Raptor 3.0T

Note: Final fitment must be confirmed by model year and OE injector part number.

Stanadyne®

Fueling Innovation

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