

GM LT4 GEN 1 HIGH-PERFORMANCE DIRECT INJECTION FUEL INJECTOR

Part # 611661

Extreme Fuel Delivery for High-Horsepower LT Applications

Stanadyne's LT4 Gen 1 direct injection injector delivers the additional fuel flow required for high-performance while preserving the factory spray pattern and targeting. Not a modified OEM injector, each unit is manufactured using precision laser-drilled nozzle technology for significantly increased flow capacity while maintaining the combustion characteristics engineered by GM.



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TECHNICAL SPECIFICATIONS

STANADYNE PART # 611661

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	220 bar
Maximum Fuel Pressure	280 bar
Flow Increase	+61% vs OEM LT4 injectors, +88% vs '20–'23 LT2 injectors +116% vs 2023+ LT2 small-stem injectors
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

2014+ GM Gen V+ engine applications including:

- Chevrolet Corvette
- Chevrolet Camaro
- Cadillac V-Series
- Chevrolet Silverado
- GMC Sierra
- Chevrolet Tahoe/Suburban
- GMC Yukon
- Cadillac Escalade

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Fueling Innovation

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