



DURAMAX L5P DCR HIGH-PRESSURE DIESEL PUMP

Part # 608990



SEMA Certified
Engineered to OEM Standards

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Stanadyne's next-generation DCR high-pressure fuel pump delivers OEM-grade performance with zero calibration or tuning required. Engineered for the demanding Duramax L5P platform, this direct-fit upgrade enhances long-term durability, improves fuel system reliability, and maintains emissions compliance for modern diesel applications.

TECHNICAL SPECIFICATIONS

STANADYNE PART # 608990

Engine Compatibility

GM Duramax 6.6L L5P (2017-2023)

Fuel Pressure Capability

29,000+ PSI (2,000+ bar)

Technology

Stanadyne Diesel Common Rail (DCR)

Fuel Types

ULSD, biodiesel blends, low-lubricity fuels

Installation

Direct bolt-in, no calibration required

Certification

SEMA emissions compliant

Replaces

GM 12731367, 12678993, 12701094 & Denso 294050-0701

Construction

- High-efficiency pumping elements
- Corrosion-resistant materials
- Precision metering components
- Designed to minimize internal wear

Validation Testing

- Endurance and long-cycle durability
- Extreme temperature cycling
- Corrosive media exposure
- High-pressure fatigue testing
- Low-lubricity performance testing

Applications

- Towing / hauling
- Fleet service
- Off-road / harsh environments
- Daily-use L5P reliability upgrades
- Performance shop builds

Reliability / Durability

- Improved performance with low-lubricity fuels
- Stable high-pressure output for heavy duty use



Fueling Innovation

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