



### OEM FIT & FUNCTION:

- Guarantees seamless integration with the vehicle's existing systems for optimal performance.

### ELECTRICAL SYSTEM TESTING:

- Rigorous voltage and amp draw testing guarantees reliable and efficient operation under varied electrical conditions.

### DURABILITY TESTING:

- Ensures long-lasting performance and resilience in diverse operating conditions.

### ENGINE MANAGEMENT LINE OVERVIEW:

- Air Charge & Ambient Air Temp. Sensors
- Barometric Pressure Sensors
- Diesel Exhaust Fluid (DEF) Level Sensors
- Diesel Particulate Filter (DPF) Pressure Sensors
- Disc Brake Pad Wear Sensors
- Engine Camshaft & Crankshaft Position Sensors
- Engine Coolant Temp. Sensors
- Engine Oil Level, Temp. & Pressure Sensors
- Engine Oil Pump Flow Control Valves
- Engine Variable Valve Timing (VVT) Oil Control/Pressure Sensors & Solenoids
- Exhaust Ammonia & Back-Pressure Sensors
- Exhaust Gas Differential Pressure Sensors
- Exhaust Gas Recirculation (EGR) Valve Control Solenoids
- Exhaust Gas Recirculation (EGR) Pressure & Valve Temp. Sensors
- Exhaust Gas Temp. (EGT) Sensors
- Flex Fuel Sensors
- Fuel Injection Pressure Sensors
- Fuel Tank Pressure Sensors
- HVAC Heater Core Temp. Sensors
- Ignition Knock (Detonation) Sensors
- Manifold Absolute Pressure (MAP) Sensors
- Mass Air Flow (MAF) Sensors
- Nitrogen Oxide (NOx) Sensors
- Oxygen Sensors
- Speed Sensors
- Tachometer Sensors
- Throttle Position Sensors
- Transmission Oil Pressure/Temp. Sensors
- Turbocharger Boost & Speed Sensors
- Vapor Canister Purge Solenoid
- Washer Fluid Level Sensors
- Water In Fuel (WiF) Sensors

Engine management sensors monitor various parameters such as air intake, fuel injection, exhaust, and temperature, providing real-time data to the engine control unit (ECU) to optimize fuel delivery, ignition timing, and overall performance for efficient combustion and reduced emissions. These sensors play a crucial role in maintaining the engine's optimal operating conditions and ensuring smooth functionality.

### POPULAR ENGINE MANAGEMENT REPLACEMENTS:

#### DISC BRAKE PAD WEAR SENSOR

**BWS176** 2000-2010 Maybach, Mercedes-Benz

#### ENGINE CAMSHAFT POSITION SENSOR

**CPS0100** 2000-2002 Nissan

**CPS0101** 1990-2017 Ford, Jaguar, Lincoln, Mercury

#### ENGINE COOLANT TEMPERATURE SENSOR

**CT0003** 1988-2020 Buick, Cadillac, Chevrolet/GMC, Daewoo, Isuzu, Pontiac, Saturn

**CT0017** 2001-2010 Chrysler, Dodge, Jeep, Mini Cooper

#### EGR PRESSURE SENSOR

**EG0001** 1994-2011 Ford, Jaguar, Lincoln, Mercury

#### IGNITION KNOCK (DETONATION) SENSOR

**KS0001** 1998-2007 Chevrolet/GMC, Pontiac

#### MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR

**MP0001** 1981-2004 Buick, Cadillac, Chevrolet/GMC, Jeep, Oldsmobile, Pontiac, Saturn

**MP0003** 1995-2011 Buick, Cadillac, Chevrolet/GMC, Isuzu, Oldsmobile, Pontiac,

#### MASS AIR FLOW SENSOR

**MAF0589** 1999-2009 Buick Cadillac, Chevrolet/GMC, Hummer, Saab

**MAF0510** 1994-2005 Buick, Chevrolet/GMC, Isuzu, Oldsmobile, Pontiac

#### VAPOR CANISTER PURGE SOLENOID

**CP0020** 2002-2005 Buick, Chevrolet/GMC, Isuzu, Saturn

**CP0021** 2004-2005 Cadillac, Chevrolet/GMC, Hummer, Pontiac