



CERTIFIED • OEM QUALITY • RELIABILITY

GDI **HIGH PRESSURE GASOLINE DIRECT INJECTION PUMPS**

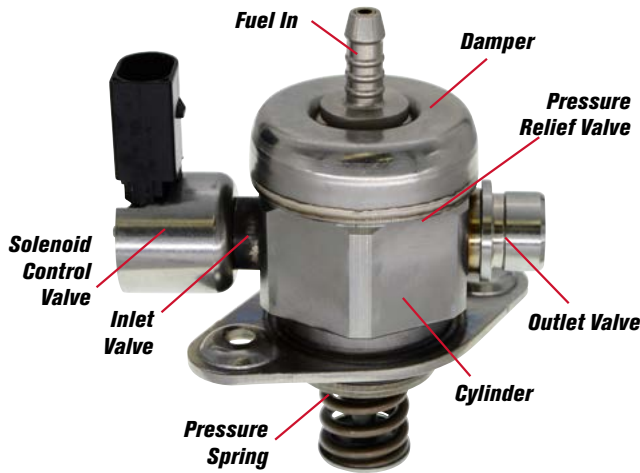
USMW Professional Series offers a wide range of Gasoline Direct Injection (GDI) fuel pumps for import and domestic applications

- **Designed to Improve Fuel Economy and Reduce Harmful Emmissions**
- **High Precision Castings**
- **Reinforced Diaphragms**
- **Built to Meet or Exceed OE Quality and Function**



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GDI - (HIGH-PRESSURE GASOLINE DIRECT INJECTION) FEATURES



COMMON REASONS FOR FAILURE

LOW QUALITY FUEL

Fuel quality is important for proper function and longevity of your fuel pump. High quality fuels from top tier supplies include additive packages that help lubricate and cool the internal components of the fuel pump and fuel system.



LACK OF MAINTENANCE

The main culprit of **GDI** pump failures is a lack of oil changes. When there is wear between the pump follower and the camshaft lobes, the pump is prevented from producing enough piston movement. When there is less pump movement, there is less pressure. If the pressure is not correct the fuel mixture could become too lean. Always check the lobes on the camshaft before the installation of a new fuel pump. An issue with lack of power may be improved, however it will never be entirely corrected.

Did You Know?

Proper oil change intervals with quality oil and filters are extremely important for maintaining proper GDI performance longevity.



WRONG OIL

To avoid premature wear on the camshaft and high-pressure fuel pump follower, your engine oil must meet OE specifications. Ask your engine oil supplier to confirm if an engine oil matches the OEM's specifications. Volkswagen, GM and many other OEMs have oil standards that address wear issues on the camshaft and pump follower.

Did You Know?

A worn out fuel pump follower (worn through or anti wear coating is gone) can lead to extreme damage and expensive repairs. Check cam followers every 20,000 miles to prevent GDI and engine damage.

