

VALVOLINE PROFESSIONAL SERIES™

Introducing Our New

EasyGDI™ FIRST DEFENSE KIT



Carbon Deposits in GDI Engines are Unavoidable

Valvoline research and testing indicates buildup of carbon deposits on Intake Valves results from two mechanisms which can cause loss of power and fuel economy.



Motor Oil

- Seeps past valve seals
- Low viscosity engine oils are worse due to increase tendency to flow and creep
- Conventional motor oils are worse due to lower flash point
- PCV (Positive Crankcase Ventilation): Recirculation of exhaust gases to the emissions system that contain partially burnt fuel

Fuel Exhaust Vapors

- EGR (Exhaust Gas Recirculation): Incomplete combustion of fuel is recirculated through intake

Sticking can occur on the valve seat and valve guide triggering cold start misfires.

What types of Issues Result from Carbon Buildup?

Signs

- Check engine light
- Hesitation
- Reduced fuel economy
- Greater emissions
- Rough idle
- Cold morning start
- Loss of power

Benefits:

- Effective service for minor issues and/or maintenance
- 30 minutes or less to perform
- Cost Effective for Installer & Consumer
- Product Services both PFI & GDI Engines for Fuel Discussion with Consumer
- Utilizes the same equipment as our PFI 2 Part Kit

Part No. 882017 – EasyGDI First Defense Kit

882574 – Mister with MAP Sensor Adapter

882576 – Mister with MAP Sensor Adapter & Tube

VP055 – Complete Intake/Fuel Rail Device



High Performance Vehicles are on the Rise with emphasis on Gasoline Direct Injection

With a projected 71% of new vehicles built with GDI fuel systems by 2021*, it's as important as ever to invest in performing GDI fuel system services efficiently and profitably.

The buildup of deposits in GDI fuel systems is prevalent and inevitable, and can quickly cause loss of power and fuel economy.

**Source: IHS Autoinsight & Worldwide Polk Analysis 10/2015*

A Groundbreaking Solution

Valvoline™ EasyGDI™ with Power Dispersal Technology™:

- Groundbreaking fuel system service
- Administered with basic tools and shop air
- Can be performed in 30 minutes to 1 hour depending on type of service
- Removes carbon deposits from hard to reach places in GDI Engines

Power Dispersal Technology

The true superiority of the EasyGDI Service is Power Dispersal Technology, a revolutionary chemistry formulation that allows delivery of powerful detergents to previously hard-to-reach areas of the fuel system, most notably intake valves.

Engineered to atomize detergent molecules in a way that prevents the product from sticking, puddling or becoming compromised by temperature fluctuations and metal surfaces, Power Dispersal Technology is carried through the fuel system through pressurized air, melting away carbon deposits with incredible efficiency.

Simply put, this technology allows 10 powerful detergents to circulate to the toughest places to clean in a GDI fuel system, without painstaking labor or an invasive dismantle of the engine and fuel system.

Guarantee Coverage

A Valvoline Professional Series™ Fuel System Service is backed by a Valvoline Lifetime Guarantee with up to \$4,000 parts and labor coverage*. See complete terms and conditions on this Limited Lifetime Guarantee at valvolineserviceplus.com.

**Vehicle coverage varies based on mileage at time of 1st service.*

Coverage takes effect after 500 miles. Taxes, miscellaneous fees, core changes & diagnostics not covered.



EASYGDI™
WITH POWER DISPERSAL TECHNOLOGY™