A GDI ENGINE SERVICE USING CRC® PRODUCTS ELIMINATES CARBON AT THESE 6 CRITICAL POINTS:

MAF Sensor
Restores 4 to 10 horsepower at the wheels

Throttle Body
Restores smooth operation

Intake Valves
Removes hard carbon from intake valves

Fuel Injectors
Restores up to 99% injector flow

Spark Plugs
Removes carbon from spark plugs

Combustion Chamber
Removes up to 98% of combustion chamber deposits

MORE THAN 30 MILLION CARS HAVE GDI ENGINES

These brands offer GDI engines in some car models:

GDI will account for more than 70% of new vehicle production in the U.S. by 2021 – approximately 80 million vehicles.*

*IHS AutoInsight and Worldview Polk Analysis 10/2015

IS EXCESS CARBON BUILDUP HARMING YOUR GDI ENGINE?

IMPROVED ENGINE DESIGN NEEDS SPECIAL CLEANING

CRC

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MORE EFFICIENT MORE POWER GETS DIRTY FASTER

Because of their design, GDI (Gasoline Direct Injection) engines are **prone to rapid carbon deposit buildup.** If left untreated, these deposits can cause reduced power, decreased performance and poor fuel economy

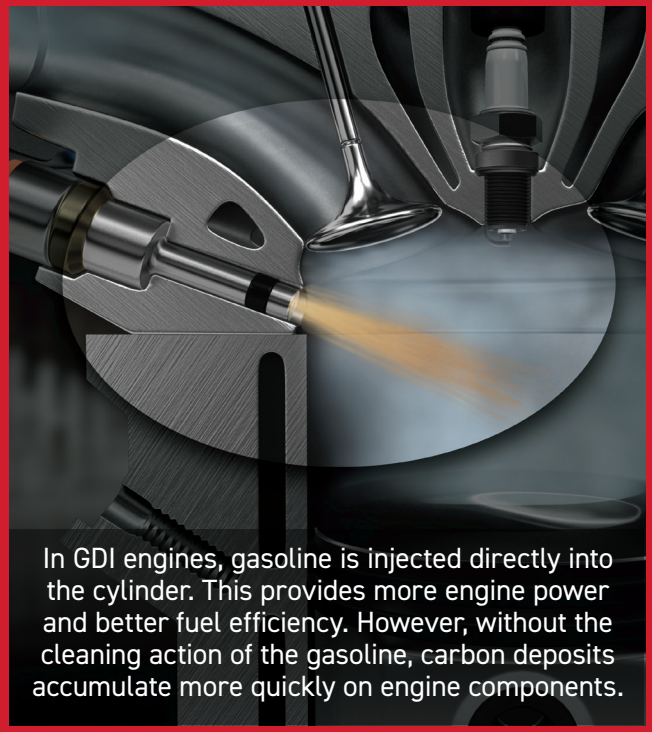
COMMON SYMPTOMS OF EXCESS CARBON BUILDUP:

- Hard starts
- Rough idle
- Hesitation
- Check-engine light on
- Power loss
- Reduced miles per gallon
- Excess emissions
- Poor pedal response

GDI Engine Service is recommended every 10,000 miles to prevent carbon buildup and maintain maximum engine efficiency.

PFI VERSUS GDI

In traditional Port Fuel Injection (PFI) engines, gasoline is delivered through the intake manifold, helping to wash away carbon from engine components in the process.

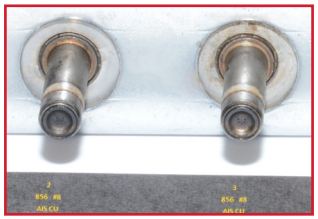


In GDI engines, gasoline is injected directly into the cylinder. This provides more engine power and better fuel efficiency. However, without the cleaning action of the gasoline, carbon deposits accumulate more quickly on engine components.

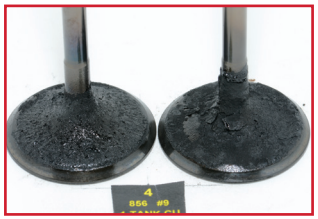
REAL TESTS • REAL RESULTS

These before-and-after photos show the dramatic results achieved by a GDI Engine Service with CRC® products. See more real test results at **CRCgdi.com.**

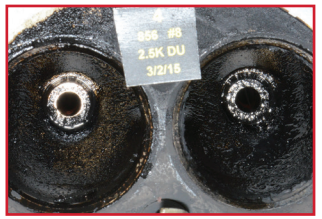
INJECTORS

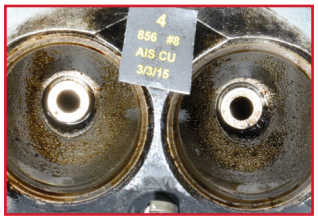


INTAKE VALVES

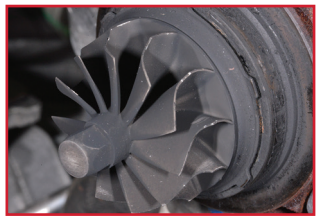
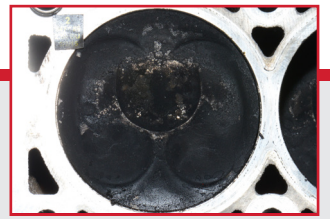
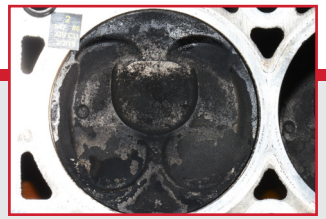


INTAKE PORTS





TURBO IMPELLERS



PISTONS