DEEP CLEAN™ GDI

GASOLINE DIRECT INJECTION

Designed to remedy and prevent problems associated with the harmful carbon deposits that rob your engine of performance and fuel economy.

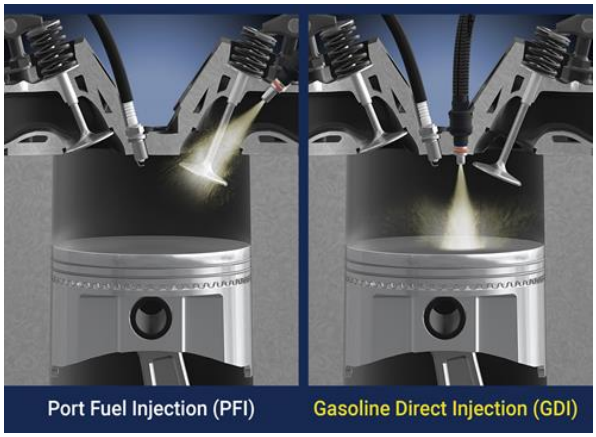


KEY BENEFITS:

- Direct Injection and Port Fuel Injection Tune-up
- Concentrated solvent and fuel detergent blend
- Cleans air intake (runners, ports and valves), turbos and supports emissions systems
- Removes up to half of all valve deposits after one use
- Reduces carbon build-up
- Restores horsepower and torque
- Improves hard starts and rough idle
- Effective in treating standard Port Fuel Injected (PFI) engines

Use Every 10,000 Km's or With Every Oil Change

WHAT IS GDI?



In non-diesel internal combustion engines, gasoline direct injection (GDI) is a variant of fuel injection employed in modern two-stroke and four-stroke gasoline engines. The gasoline is highly pressurized and injected via a common rail fuel line directly into the combustion chamber of each cylinder, as opposed to conventional multipoint fuel injection that injects fuel into the intake tract or cylinder port.

The benefits of GDI are increased fuel efficiency, high power output, and more accurately controlled emissions levels.

Since the fuel is injected directly into the combustion chamber, rather than through the intake port, this means that traditional retail fuel additives are not effective on GDI intake valve deposits, because the treated fuel will never touch the intake valves.

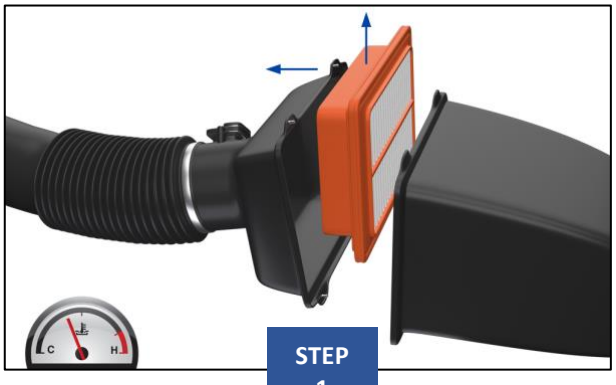
Shown: 2014 Ford Focus 2.0L / 73K Km's



By 2020, GDI engines will account for 70% of new US auto production, and over 50% of global auto production.

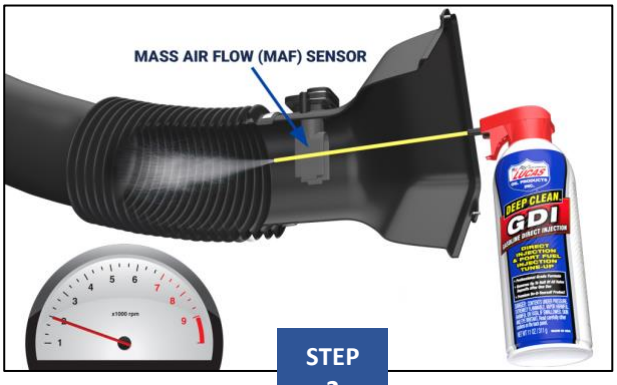
DIRECTIONS FOR USE

Please read thoroughly before beginning. Proper application requires two people. Always use personal protective equipment while working on your vehicle and precautions should be taken around hot engines.



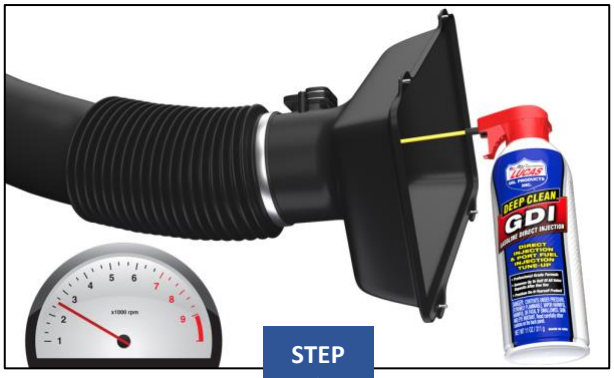
STEP 1

Start vehicle and bring to operating temperature. While the engine is on, pop hood and remove air filter cover, setting filter element aside.



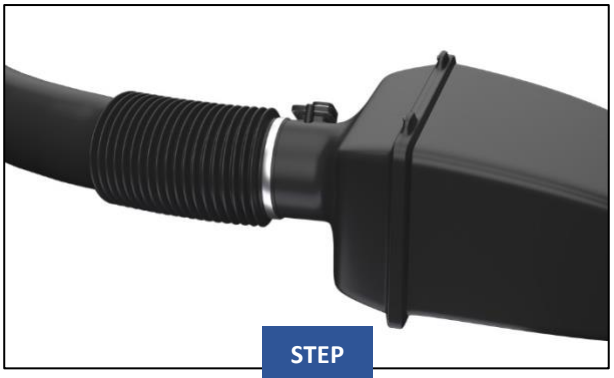
STEP 2

Identify mass air flow (MAF) sensor. Flip application straw up and apply in 10 second bursts past the MAF sensor (do not spray the sensor), while revving the engine to about 2,000 rpm.



STEP 3

If the engine stutters, throttle the accelerator, maintaining engine speed below 3,000 rpm. Continue until the can is empty. Let run for five minutes longer, revving the engine occasionally, but below 3,000 rpm.

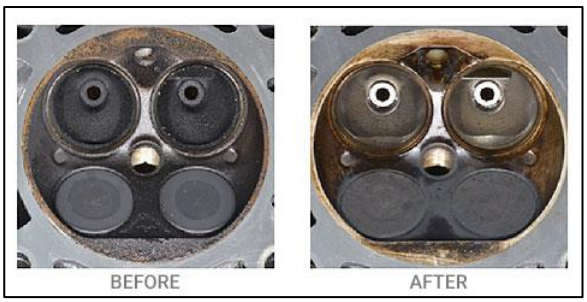


STEP 4

Shut engine off and reassemble the air cleaner. Restart vehicle and drive for 15 minutes, preferably at highway speeds. Lucas Deep Clean™ GDI will continue to clean during this time.

BEFORE & AFTER

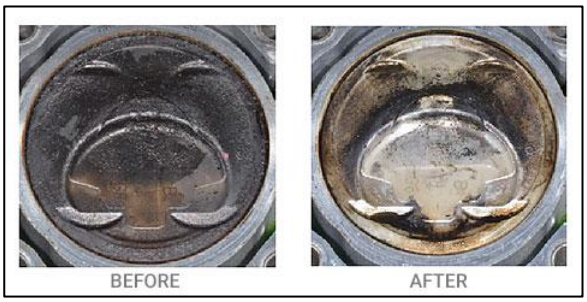
2015 Hyundai Sonata 2.4L GDI



Intake Valve
Average Cleanup: 71%



Piston Top
Average Cleanup: 88%



Cylinder Head
Average Cleanup: 84%



Injector Flow
Average Cleanup: 89%