



## Fuel System Service FS 2100 G

- ◆ Improves engine performance, drivability, and fuel economy
- ◆ Cleans fuel system of carbon, varnish, and gums—safely and completely
- ◆ Restores injector spray patterns & reduces emissions
- ◆ Simple, quick and easy to use
- ◆ Connects to engine with easy-on adapters
- ◆ Achieves high customer satisfaction with increased sales and profits
- ◆ Transportable and affordable

*FUEL SYSTEM SERVICE - THE RIGHT WAY*

Made in the USA

# FS 2100 G

Small Machine with Large Features

## The Benefits of Fuel System Service

This periodic and curative service restores engine performance to gasoline vehicles by removing dirt, carbon deposits, gums, and varnishes from fuel, exhaust and air intake systems on gasoline engines—fuel injected or carbureted. Built-in diagnostic capabilities enable a technician to check individual injectors, and check fuel pressure, fuel volume and system leak down (*internal pressure loss*), regulator opening and closing pressures.

## How It Works

Think of the FS 2100 G service as a kind of Kidney dialysis machine for your engine. It cleans the entire fuel intake system—the air plenum, throttle body, air bypass valve, injectors, ports, valves, combustion chambers, oxygen sensors and catalytic sensors—without having to remove engine components. This service helps restore engine performance, improve fuel economy and drivability, and reduces exhaust emissions.

The Fuel system cleaning cycle consists of 4 phases: 1) Connecting to the vehicle; 2) Cycling solution; 3) Filtering the residuals; and 4) Running the engine at idle. On most vehicles the entire process is completed within 45 minutes.

During the first phase (*engine off*) the FS 2100 G machine is connected to the vehicle's fuel system inlet and return lines with vehicle specific adapters. The fuel supply from the engine's fuel tank is bypassed and is replaced with the fuel/solvent tank located inside the FS 2100 G machine. With the engine off, cleaning solution FSC-G is pumped through the engine's fuel system. Contaminants in the fuel rail and injector screens are dissolved and captured by a 3-micron spin on filter in the FS 2100 G machine. Once this pre-cleaning cycle is completed, the engine is started and run at idle. The mixture of FSC-G cleaning solution and gas is now run through the injectors and goes through the complete combustion process. Carbon and other contaminants in the injector nozzles, on the intake valves, in the combustion chamber, on the O2 sensor and in the catalytic converter are removed and exit through the exhaust system.

Depending on engine size, design, and level of contamination (*mileage*), approximately 1 ounce of FSC-G solution is used per cylinder during the cleaning process. FSC-G is a powerful fuel detergent that is safe for all automotive applications. It has no adverse effect on engine seals or gaskets. MSDS sheets are enclosed with shipping documents and may be obtained on request.

## Recommended Service Interval

A fuel system service is recommended yearly or every 24,000 miles. Also service when your vehicle has any of the following symptoms: hard starting, lack of power, rough idle, engine stumble, poor acceleration, engine ping, and increased fuel consumption. If your vehicle failed an emissions test for excessive exhaust emissions, a fuel system cleaning is also recommended.

## Diagnostic & Service Capabilities

- ◆ Pressure check of the fuel system
- ◆ Pump output pressure check
- ◆ Pressure regulator opening and closing pressure
- ◆ Pressure regulator leak-by
- ◆ The included S-Sprayer allows for cleaning of the entire air intake system including throttle body, intake manifold, intake valves, idle air control and EGR system.

## Technical Specifications

Power Supply: 12 v

Circuit Protection: 15 Amp Circuit Breaker

Hoses: 1-line hook-up high or low pressure  
2-line hook-up high or low pressure

Tank: 1.5 QT. (1.4 Liters) Opaque Cleaning Solvent Tank.

Pump: Delivers 5.0 GPM at 80 PSI.

Maximum pressure is 120 PSI. and is set by a continuous by-pass

Flow Meter: Precision Grade

Filter: Spin On - 3 Micron

Adapters: Included for most engines

Dimensions – (Without cart) Height 11" (28 CM) x Width 13" (33 CM) x Depth 21" (53 CM)

Shipping Weight – 35 lbs. (15.9.Kg).

Cabinet – Power Coated Metal

Cleaning Cycle: About 30 minutes.

Warranty: 2 year limited warranty

Manufactured by:

