

Fuel System Cleaner Guide



3M™ Fuel System Cleaner



6. Use 3M™ Pressure Regulator PN08828 to regulate cleaner flow to the fuel pressure required for the engine. See SECTION 6 QUICK CHECK ADAPTOR GUIDE for fuel system pressure specified for the Make/Model of engine. **NOTE: Engines operating at 20 to 40-psi fuel system pressures may be able to use the 40-psi cans without a regulator. Engines operating at fuel system pressures less than 20-psi or higher than 40-psi will require the use of the pressure regulator PN08828.**
7. Attach the cleaner hose into the side of the pressure regulator, pressing the roll pin on the hose into the quick-connect fitting on the regulator. Position the cleaner can UPSIDE DOWN and press the roll pin on the bottom of the regulator into the quick-connect on the can until the silver-colored locking tab is engaged. **NOTE: Before connecting the can to the pressure regulator, check to be sure that the PN08838 cleaner hose valve is in the closed position (valve is closed with the handle pointed away from the cleaner hose) and that the pressure regulator is off (regulator knob turned fully counter-clockwise).**
8. Place pressure can with cleaner hose attached in an area of the engine bay that is free of moving parts, battery terminals, or excessive heat. For best results, make sure that the pressure can to be used is at a temperature of 60° to 80°F (15-30°C) **NOTE: 3M pressure cans with the label description “Universal” will require the use of the 3M™ Pressure Regulator PN08828 and 3M™ Can Hanger PN08937 to hold the can with attached regulator upside down during the cleaning procedure.**
9. Open cleaner hose valve (valve is open with the handle parallel or same direction as hose). If applicable, turn knob on pressure regulator (PN08828) clockwise and adjust to required pressure for the vehicle. Inspect all connections for leaks. Do NOT start engine if product is leaking from any connections.
10. Start vehicle and let engine idle until cleaner can empties. **NOTE: Run time will vary according to engine size. Small four cylinder engines will run 15 to 30 minutes. Large V8 engines may run less than 10 minutes and will require two cans of cleaner for desired minimum run time of 15 minutes for best results.**
11. When the cleaner can is empty, the vehicle will stall. Turn the cleaner hose valve off (**valve is closed with handle pointing away from the cleaner hose**). Turn ignition off. If the pressure regulator is used for the vehicle application, turn knob on pressure regulator counter-clockwise to the off position. **CAUTION: The engine’s fuel system, regulator and cleaner hose will have residual pressure and cleaner.** Disconnect pressure regulator from cleaner can by depressing the silver colored locking tab on the quick-connect adaptor. Wrap a shop towel around the roll pin end of the regulator or roll pin end of the cleaner hose valve if no regulator is used. Turn the cleaner hose valve handle to the open position (**valve is open with the handle parallel or same direction as the hose**). Turn knob on pressure regulator clockwise to depressurize cleaner hose and regulator assembly.

Fuel System Cleaner Hardware and Adaptors

3M™ Fuel System Cleaner Basic Adaptor Kit

- A basic assortment of adaptors designed to enable a shop to perform fuel system cleanings with 3M™ Fuel System Cleaner (PNs 08913 or 08955) and 3M™ Fuel Injector Cleaner (PNs 08912 or 08956) on a select number of fuel-injected vehicles on the road today.
- Contains 3M™ Fuel System Cleaning Application Guide (User's Manual)
- Features a large, hinged storage case made of a durable plastic
- **NOTE:** Individual Adaptors are **NOT AVAILABLE** from 3M. They may be ordered directly from the 3M™ Fuel System Adaptor Center by calling 1-800-773-1594. Kits are **NOT** available at this number.

Part Number	Description	Quantity per Kit
Kit Contains:		
08817	Fuel System Cleaning Quick Check Guide	1
08822*	Right-angle, 5/16" x 32 Thread, Schrader adaptor	1
08837	Can Hanger (for PNs 08955 and 08956)	1
08838	Cleaner Hose with Tab-Lock Quick-Connect	1
08917*	Right-angle, 7/16" x 20 Thread, Schrader adaptor	1
08919*	Banjo Eye Bolt, 12 mm	1
08920*	5/16" Hose adaptor	1
08828	Gauge/regulator (replaces PN08934)	1

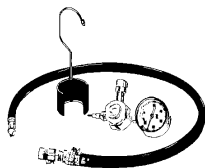
* These adaptors also have a 7/16" x 20 male thread to attach to cleaner hose PN08838. With the use of the end cap, PN08825, these adaptors will also function as plugs.

Part Number	Kits Per Case
051135-08829	1

(See chart on page 205)

3M™ Universal Fuel Injector Cleaner Kit

- Kit contains the following:
 - 3M™ Fuel Injector Cleaner Can Hanger (PN08837).
 - 3M™ Fuel Injector Cleaner Long Hose (PN08838).
 - 3M™ Gauge/Regulator for Fuel Injector Cleaner Systems (PN08828).



Part Number	Kits Per Case
051135-08836	1

3M™ Fuel System Cleaner Deluxe Adaptor Kit

- An assortment of adaptors designed to enable a shop to deliver 3M™ Fuel System Cleaner (PNs 08913 or 08955) and 3M™ Fuel Injector Cleaner (PNs 08912 or 08956) to 85%-90% of the fuel-injected vehicles on the road today.
- Contains a 3M™ Fuel System Cleaning Application Guide (User's Manual).
- The rugged, plastic box consists of a large, hinged top container and two detachable slide-out trays.
- **NOTE:** Individual Adaptors must be ordered directly from the 3M™ Fuel System Adaptor Center by calling 1-800-773-1594. 3M™ Fuel System Cleaner Kits (PNs 08829 and 08830) are **NOT** available at this number.

Part Number	Description	Quantity per Kit
Kit Contains:		
08817	Fuel System Cleaning Quick Check Guide	1
08820	Fuel Line Disconnect Tool Set	1
08821*	Straight, 7/16" x 20 Thread, Schrader adaptor	1
08822*	Right-angle, 5/16" x 32 Thread, Schrader adaptor	1
08823*	Straight, 5/16" x 32 Thread, Schrader adaptor	1
08824*	5/16" Male Quick-Connect adaptor	1
08825	End Cap, 7/16" x 20 Thread	1
08826*	Right-angle, 5/8" x 18 Thread, TBI adaptor	1
08827*	Banjo Bolt, 10 mm x 1.0 Thread	1
08828	Gauge/regulator (supercedes PN08934)	1
08831*	19 mm OD Fuel Line adaptor	1
08833*	3/8" ID Female Quick-Connect adaptor	1
08834*	3/8" OD Male Quick-Connect adaptor	1
08837	Can Hanger (for PNs 08955 and 08956)	1
08838	Cleaner Hose with Tab-Lock Quick-Connect	1
08843	Two Hose Clamps, 5/16" and 1/2"	1
08844*	Banjo Bolt, 12 mm x 1.25 Thread	1
08845	Plug, 14 mm x 1.5 Thread with "O-ring" seal	1
08846	Plug, 1/2" x 20 Thread with inverted flare	1
08849	Plug, 17/32" x 18 Thread with inverted flare	1
08854*	5/16" Female Quick-Connect adaptor	1
08857*	12 mm x 1.5 Thread, Swivel Nut adaptor	1
08858	Banjo Bolt, 12 mm x 1.5 Thread	1
08859*	11 mm OD Fuel Line adaptor	1
08860*	15 mm OD Fuel Line adaptor	1
08863*	7/16" OD Male Quick-Connect	1

* These adaptors also have a 7/16" x 20 male thread to attach to cleaner hose PN08838. With the use of the end cap, PN08825, these adaptors will also function as plugs.

Fuel System Cleaner Hardware and Adaptors

3M™ Fuel System Cleaner Deluxe Adaptor Kit (continued)

Part Number	Description	Quantity per Kit
Kit Contains:		
08917*	Right-angle, 7/16" x 20 Thread, Schrader adaptor	1
08919*	Banjo Eye Bolt, 12 mm	1
08920*	5/16" Hose adaptor	1
08921*	14 mm x 1.5 Thread, Swivel Nut adaptor	1
08922*	Straight, 5/8" x 18 Thread, TBI adaptor	1
08923*	9/16" OD Male Quick-Connect	1
08927	Tab-Lock Quick-Connect, for PN08838 Hose	1
08931*	Right-angle, 5/16" x 32 Thread, Schrader adaptor	1
08932*	Flow Restrictor with 7/16" x 20 Female	1
08937	Washer and O-Ring Assortment	1
08941*	Banjo Bolt, 8 mm x 1.0 Thread	1
08944	Banjo Bolt with Cap Nut, 12 mm x 1.5 Thread	1
08953	Fuel Line Plug, 12 mm x 1.5 Thread	1

* These adaptors also have a 7/16" x 20 male thread to attach to cleaner hose PN08838. With the use of the end cap, PN08825, these adaptors will also function as plugs.

Part Number	Kits Per Case
051135- 08830	1

(See chart on page 205)

Fuel System Guide

3M™ Fuel System Cleaning Application Guide

- CD-ROM based guide for the application of 3M™ Fuel System Cleaner (PNs 08913, 08955, 08910/08911) and 3M™ Fuel Injector Cleaner (PNs 08912 and 08956).
- Features step-by-step instructions for most domestic vehicles, including where to hook-up, required system operating pressures, fuel pump disconnect location, required 3M adaptor(s), etc.
- Allows for quick searching by make, model and engine to bring up appropriate instructions and diagrams.
- Windows® 95/98/NT based application for IBM® compatible PC's having a minimum of 100MB of hard drive disk space available to install the program and files.

Part Number	Quantity Per Case
051135- 08816	1

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3M™ Fuel System Cleaning Quick Check Guide

- Ideal for quick reference by professional technicians.
- Includes required cleaning pressures, hook-up locations, adaptors required, fuel pump disconnect locations, etc.
- Covers most domestic makes and models.

Part Number	Quantity Per Case
051135- 08817	1

Fuel System Cleaners

3M™ Fuel System Kit (40 psi)

Kit contains the following:

- 1 can of 3M™ Fuel System Cleaner (PN08913)
- 1 bottle of 3M™ Fuel System Tank Additive (PN08813)
- 1 can of 3M™ Throttle Plate and Intake Cleaner (PN08866).



Part Number	Quantity Per Case
051135-08910	6

3M™ Fuel System Cleaner (40 psi)

- Designed to be attached directly to the engine's fuel system.
- Formulated to clean intake valves, combustion chamber and fuel injector deposits.
- Connects to our 3M™ Fuel Injection Kits (PNs 08836, 08840 and 08841).
- Recommended for professional use only.



Part Number	Net Wt.	Quantity Per Case
051135-08913	12 oz. Aerosol	6

3M™ Universal Fuel System Kit (120 psi)

Kit contains the following:

- 1 can of 3M™ Universal Fuel System Cleaner (PN08955).
- 1 bottle of 3M™ Fuel System Cleaner Tank Additive (PN08813).
- 1 can of 3M™ Throttle Plate and Intake Cleaner (PN08866).



Part Number	Quantity Per Case
051135-08911	6

3M™ Universal Fuel System Cleaner

- Formulated to clean intake valves, combustion chamber and fuel injector deposits.
- Works on high-pressure fuel systems.
- Recommended for professional use only.
- Must be used with 3M™ Gauge (PN08828).



Part Number	Net Wt.	Cans Per Case
051135-08955	12 oz. Aerosol	12

3M™ Multi-Port Fuel Injector Cleaner (40 psi)

- Designed to quickly remove varnish, gum and other deposits from fuel injectors.
- Conveniently applied through the 3M™ Fuel Injector Cleaner Hose (PN08838).
- Restores injector efficiency and improves fuel atomization.
- Applicable to multi-port and throttle body in fuel injection systems.
- Safe for oxygen sensor and catalytic converter equipped vehicles.
- Recommended for professional use only.
- Applicable to gasoline engines only.



Part Number	Net Wt.	Cans Per Case
051135-08912	12 oz. Aerosol	6

3M™ Universal Fuel Injector Cleaner

- Restores injector efficiency.
- Decreases exhaust emissions.
- Improves fuel atomization.
- Must be used with 3M™ Gauge/Regulator (PN08934).



Part Number	Net Wt.	Cans Per Case
051135-08956	10 oz. Aerosol	12

Fuel System Cleaner Tank Additives

3M™ Fuel Injector Cleaner Tank Additive

- Cleans fuel injection deposits.
- Restores power and fuel economy.
- One bottle per tank of gas helps to eliminate stalling, hesitation and poor performance due to dirty fuel injector deposits.



Part Number	Quantity Per Case
051135-08812	6

3M™ Fuel System Cleaner Tank Additive

- A concentrated detergent formula designed to be added to the fuel tank to facilitate the cleaning of intake valves, combustion chambers and fuel injectors.
- Restores power, performance and fuel economy.
- Protects against carbon buildup and engine knock.



Part Number	Quantity Per Case
08813*	6

* UPC Number is 051131-16313

Fuel System Cleaner/Fuel Injector Cleaner Adaptors

3M™ Fuel System Cleaner Adaptors

Part Number and Description	Parts and Tools	Part Number and Description	Parts and Tools
PN08820 Fuel Line Disconnect Tool Set (6) 5/16, 3/8, 1/2, 5/8, 3/4 & 7/8		PN08856 Fuel Line Loop 1/4 & 5/16 Male Quick-Connect	
PN08821 7/16-20 Thread Schrader Nut with 7/16-20 Male		PN08857 12-1.5 mm Thread Swivel Nut with 7/16-20 Male Hose End	
PN08822 5/16-32 Swivel Nut with R-angle 7/16-20 Male		PN08858 12-1.5 mm Thread Banjo Bolt	
PN08823 5/16-32 Thread Schrader Nut with 7/16-20 Male		PN08859 11 mm OD Single O-ring Fuel Line Adaptor with 7/16-20 Male Hose End	
PN08824 5/16 Male Quick-Connect with 7/16-20 Male		PN08860 15 mm OD Single O-ring Fuel Line Adaptor with 7/16-20 Male Hose End	
PN08825 End Cap, 7/16-20		PN08861 5/16 ID Hose with Plugged End	
PN08826 5/8-18 TBI Swivel Bolt with O-ring and R-angle 7/16-20 Male		PN08862 Fuel Line Loop Slip-fit Barbs 1/4 & 5/16 OD Hose Ends	
PN08827 10 mm Banjo Bolt, 1.0 mm Thread with 7/16-20 Male		PN08863 7/16 OD Dbl O-ring Male Q-Connect with 7/16-20 Male Hose End	
PN08828 Pressure Gage (0-100 PSI Dial)		PN08917 7/16-20 Thread Schrader Swivel Nut with 7/16-20 Right-Angle Male	
PN08831 19 mm OD Fuel Line Adaptor with 7/16-20 Male		PN08919 12 mm ID Banjo Eye Bolt with 7/16-20 Male Hose End	
PN08832 5/16 Female Quick-Connect with Plugged End		PN08920 5/16 ID Hose with 7/16-20 Male Hose End	
PN08833 3/8 ID Female Quick-Connect with 7/16-20 Male		PN08921 14-1.5 mm Thread Swivel Nut with 7/16-20 Male Hose End	
PN08834 3/8 OD Male Quick-Connect with 7/16-20 Male		PN08922 5/8-18 Thread TBI Swivel Nut with 7/16-20 Male Hose End	
PN08835 5/16 Male Quick-Connect with Plugged End		PN08923 9/16 OD Dbl O-ring Male Q-Connect with 7/16-20 Male Hose End	
PN08837 Hanger for 3M Universal Cans PN08955 & PN08956		PN08927 Tab-Lock Quick-Connect Can Adaptor	
PN08838 3M™ Cleaner Hose with Tab-Lock Quick-Connect PN08927		PN08931 5/16-32 Thread Schrader Nut with 7/16-20 Right-Angle Male	
PN08842 13/32-27 Thread Bolt with 7/16-20 Male		PN08932 Flow Restrictor with 7/16-20 Male, 7/16-20 Female	
PN08843 Two Hose Clamps 5/16 and 1/2"		PN08937 Washer & O-ring Assortment	
PN08844 12 mm Banjo Bolt, 1.25 mm Thread with 7/16-20 Male		PN08941 8 mm Banjo Bolt, 1.00 mm Thread with 7/16-20 Male Hose End	
PN08845 14-1.5 mm TBI Plug with O-ring		PN08944 12 mm Banjo Bolt, 1.5 mm Thread with Cap Nut and Washers	
PN08846 1/2-20 Thread Plug with Inverted Flare		PN08953 12-1.5 mm Thread Fuel Line Plug	
PN08849 17/32-18 Thread Plug with Inverted Flare			
PN08850 1/2" ID Hose with Plugged End			
PN08853 1/4 Female Quick-Connect with Plugged End			
PN08854 5/16 Female Quick-Connect with 7/16-20 Male			
PN08855 Fuel Line Loop 7/16 & 9/16 Female Quick-Connect			

To order call the 3M™ Fuel System Adaptor Center at 1-800-773-1594 or fax at 1-800-805-7479

- Designed to fit vehicles equipped with multi-port fuel injection.
- Adaptor mounts in universal fitting on the 3M™ FIC Hose (PN08838) Hose Assembly for use with 3M™ Multi-port Fuel Injection Cleaner (PN08912).
- Designed for use with the 3M™ Fuel Injector Cleaner Hose (PN08838) and the appropriate vehicle adaptor.
- Allows the use of 3M™ Multi-port Fuel Injector Cleaner (PN08912) without the need to clamp return lines.
- Flow restrictor simply reduces the flow of cleaner to meet the requirements of low pressure TBI and CFI systems without returning the cleaner to the fuel tank.
- Designed for use with 3M™ Fuel System Cleaner for high pressure systems.
- Allows the plugging of fuel return parts on fuel distributor of C.I.S. fuel systems.
- Solid brass construction.
- Adaptors may be purchased one at a time.