

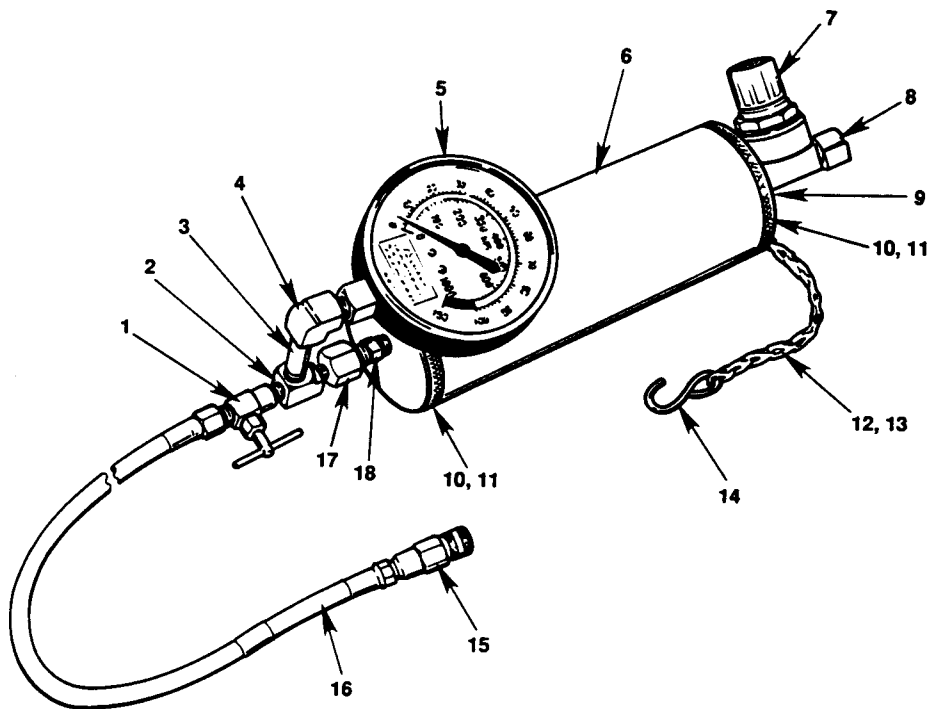


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Parts List &
 Operating Instructions
 for:

7448

Fuel Injector Cleaner



Item No.	Part No.	No. Req'd	Description
1	208389	1	Valve
2	19463	1	Tee Fitting
3	207895	1	Straight Fitting
4	212190	1	90° Elbow Fitting
5	309124	1	Pressure Gauge (0-100 PSI)
6	47955	1	Cylinder Body
7	213299	1	Air Regulator
8	15373	1	90° Elbow Fitting
9	16494	1	Straight Fitting (1/4 NPTF)
10	309796	2	Cylinder Cap
11	213209	2	O-ring (2-11/16 x 2-1/2 x 3/32, -144)

Item No.	Part No.	No. Req'd	Description
12	10473	6-7/8"	Sash Chain
13	213876	1	Split Ring
14	15665	1	"S" Hook
15	206878	1	Coupler Socket
16	306905	1	Hose (1/8 NPTF x 6' Lg.)
17	17022	1	Straight Fitting
18	216297	1	Check Valve

Parts Included but Not Shown
 105641 1 Instruction Manual

Refer to any operating instructions included with the product for detailed information about operation, testing, disassembly, reassembly, and preventive maintenance.

Items found in this parts list have been carefully tested and selected by OTC. **Therefore: Use only OTC replacement parts!**

Additional questions can be directed to the OTC Div. Technical Services Department.

Safety Precautions

 **WARNING:** The following safety precautions must be carefully observed to help reduce the risk of fire and personal injury.

- Read and follow the operating instructions and safety precautions before using the Fuel Injector Cleaner.
- Wear eye protection that meets the requirements of ANSI Z87.1 and OSHA.
- Tighten all connections before cleaning the injectors; fuel leakage could cause a fire.
- Release fuel system pressure before servicing the fuel system components.
- To avoid spilling fuel on the engine, wrap a shop towel around the pressure tap fittings when connecting or disconnecting adapters. Pressurized fuel can create a fire hazard. Dispose of the shop towel correctly.
- Keep dirt out of the system.
- Use the vehicle manufacturer's recommended procedures to service the injectors. Never exceed recommended pressures when cleaning fuel injectors.
- Replace injector o-rings whenever the injectors are removed.
- Use the Fuel Injector Cleaner on gasoline engines only.
- Protect painted surfaces from fuel or cleaner fluid spills.
- Keep tools, electrical cords, and hoses away from moving engine parts.
- Vent exhaust to the outside while running the vehicle.
- Wrap a shop towel around the fitting when removing the cleaner assembly hose. Residual line pressure may spray a small amount of cleaner fluid.
- Observe normal precautions for working with flammable liquids. No: smoking, open flames, electrical sparks, etc.
- Always have a Class B fire extinguisher available while working on fuel injection systems.
- Do not modify any components of the Fuel Injector Cleaner. Do not replace any components of the Fuel Injector Cleaner except those specified by the manufacturer.

Operating Instructions

1. Read, understand, and follow "Safety Precautions" before using Fuel Injector Cleaner.
2. Run engine until it reaches normal operating temperature.
3. Shut engine OFF. Turn all accessories OFF.
4. Disable fuel pump. **Note: It is best to unplug fuel pump at fuel tank. On some vehicles, pulling fuel pump fuse also disables ignition system or fuel injectors.**
5. Turn OFF shut-off valve at bottom of Fuel Injector Cleaner container. See Figure 1. **Note: Valve is OFF if it's turned all the way clockwise.**
6. Remove top and regulator assembly from top of Fuel Injector Cleaner container. Pour fuel injection cleaner (OTC #7000 - Pro Inject-R-Kleen®) into container. Install top and regulator assembly again.
7. Hang Fuel Injector Cleaner container from hood of vehicle.
8. Refer to Fuel Injection System Specifications manual (#105641), which is included in the #7448 kit. The manual contains diagrams and instructions specific to each vehicle system. **Important: Block fuel return line to keep cleaner fluid from going back to tank.**
9. Refer to vehicle service manual to find fuel pressure operating specifications.

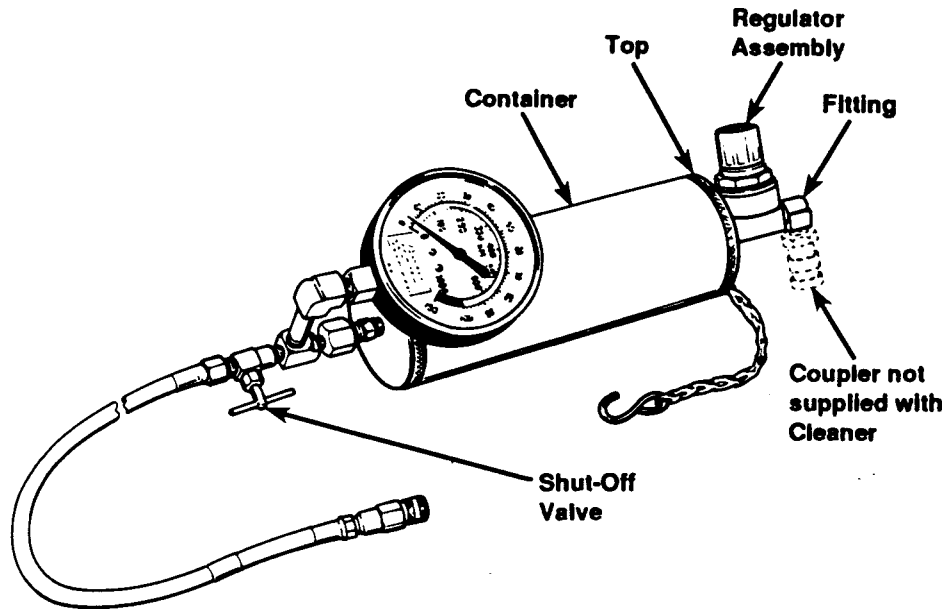


Figure 1

10. Turn regulator on top of Fuel Injector Cleaner container to full OPEN position (counterclockwise).
11. Attach a shop air hose to fitting on top of cleaner container.
12. Adjust regulator (by turning it clockwise) to vehicle manufacturer's fuel running specification.
13. Open valve on bottom of cleaner container to full OPEN position (counterclockwise).
14. Start engine and let it run at 1,000 – 1,500 RPM. **Note: Adjust air pressure again to obtain a smooth RPM, if necessary.**
15. Run engine until container is empty and engine stalls.
16. Turn ignition OFF.
17. Turn valve on bottom of cleaner container to full OFF position (clockwise).
18. Disconnect air supply. Turn regulator to full OPEN position (counterclockwise) to release pressure in container.
19. Remove cleaner container. Remove fuel adapter fitting. Connect fuel line again. Remove block on fuel return line and connect fuel return line again, if applicable. Connect fuel pump power again.
20. Start engine and check for fuel leaks.