MOTION PRO, INC.
3171 Swetzer Road
Loomis, CA 95650
Tel 650.594.9600 Fax 650.594.9610
www.motionpro.com

INSTRUCTIONS

MOTION PRO FUEL INJECTOR CLEANING KIT

Part No. 08-0592, 08-0593, 08-0594, 08-0595, 08-0615, 08-0639

READ ALL INSTRUCTIONS AND WARNING AT END OF INSTRUCTIONS BEFORE ATTEMPTING TO USE THIS TOOL!

The Motion Pro Fuel Injector Cleaner is designed to flush out and clean debris and deposits inside the fuel injector. Because there are many different styles and brands of injectors, the instructions below should be used as a guideline to illustrate the intended use of this tool.

NOTE: For flushing and cleaning injectors, we recommend Motion Pro Fuel Injector Cleaner, 8 oz can (Part No. 15-0004), which effectively removes deposits on fuel injectors and will not harm O-rings or moving parts of injector.



FLUSHING FUEL INJECTOR

STEP 1:

Insert the engine side of the injector into the tool as shown in **(Fig 1)**. For this operation, the injector will be inserted into Port 2, however some style injectors may need to be placed into Port 1.

Turn the electrical connector on the fuel injector toward the outside of the tool as shown in **(Fig 2)**. Install the hold-down clamp as shown in **(Fig 2)**, being careful not to damage the O-rings. Carefully tighten screws sufficiently to compress the lower seal on the injector. **WARNING: DO NOT OVER TIGHTEN THE SCREWS or you will damage the injector or seal!**

Install the electrical connector to both the injector and the tool with the appropriate pigtail for your injector **(Fig 3)**. You should hear a click when the red button is pushed. This will activate/open the solenoid inside the injector and allow the cleaning fluid to pass through.

Loosen the red knob opposite the port that the injector is set in. Insert the tube from the aerosol can of injector cleaner (**Motion Pro Fuel Injector Cleaner, Part No. 15-0004 is recommended**) into the bottom of the tool as shown in **(Fig 4)**. Tighten the red knob to lightly seal the tube to the injector cleaner.

Instructions continued on reverse side...

FI PIGTAIL CONNECTORS AVAILABLE FOR PURCHASE SEPARATELY


Part No. 08-0596


Part No. 08-0597


Part No. 08-0598


Part No. 08-0599


Part No. 08-0616


Part No. 08-0637

FIG 1



FIG 2

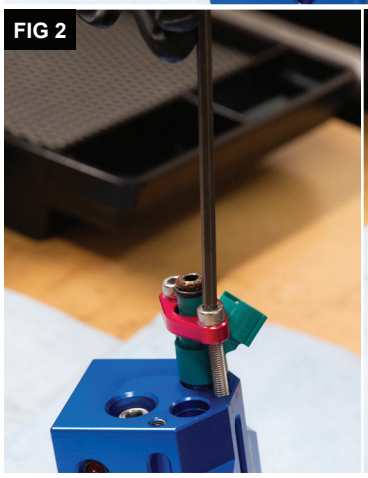


FIG 3

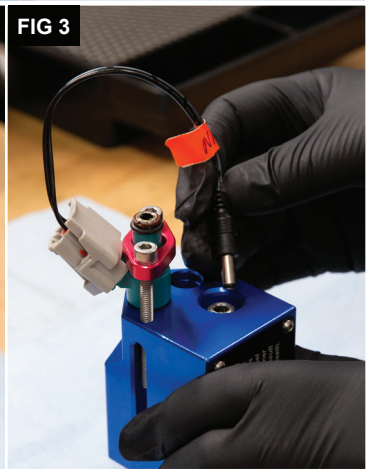


FIG 4





Flushing Fuel Injector continued...

Now, to flush the injector, press the red button to activate/open the fuel injector, then spray the aerosol can to start to flush the injector **(Fig 5)**. You will NOT see any spray pattern. This step is to back flush the injector and remove any dirt or debris that may accumulate in the injector. Remove the injector and proceed to Step 2.

CLEANING FUEL INJECTOR

STEP 2:

Remove the lower compression seal on the injector so that it does not get damaged by the clamp and install the fuel side of the injector into the tool **(Fig 6 & 7)**. For this operation, the injector will be inserted into Port 1, however some style injectors may need to be placed into Port 2.

Install the clamp and the electrical connector as previously shown in STEP 1, being careful not to damage the O-rings. Again, **DO NOT OVER TIGHTEN THE SCREWS.**

Loosen the red knob on the port opposite the fuel injector and insert the tube from the aerosol can into the bottom of the tool as shown in **(Fig 8)**. Tighten the red knob to seal the tube to the injector cleaner as before.

Press the red button to activate/open the injector and clean as shown in **(Fig 8)**.

WARNING!

Cleaning fuel injectors should be done by a trained mechanic, following procedures set out in the vehicle's factory service manual. Follow instructions in the factory service manual for removal and installation of fuel injector. This tool is designed for use with commonly available fuel injector cleaning fluids only. Read warning labels and directions for use on cleaning fluid container before use. Make sure you have adequate ventilation and do not inhale cleaning fluid or fumes. Always wear safety glasses when using this tool! Most fuel injector cleaner fluids are highly flammable. Wear appropriate clothing, do not use near open flame, and do not smoke when using this tool. Improper use of this tool could damage your fuel injector and/or could cause great bodily injury or death.

FIG 5

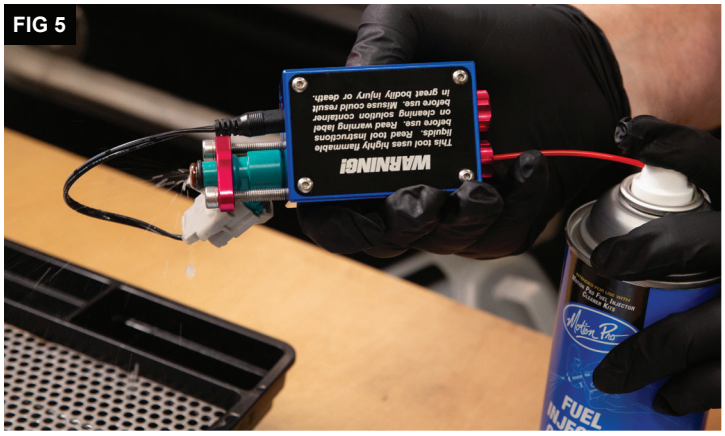


FIG 6



FIG 7





FIG 8





REPLACEMENT COMPONENT

The body of the tool includes an O-ring for each fuel injector port. Regular inspection of both O-rings is suggested before use. To inspect each O-ring, unfasten and remove both red knobs from the tool body, and inspect both O-rings to make sure they're seated correctly in Port 1 and Port 2 of the tool body. Motion Pro replacement O-rings available, shown to the right.

O-Ring, Inlet, Replacement for FI Cleaner PK/10
Part No. 08-0630



BATTERY INDICATOR LED

The LED on the body of the tool will light when the button is pressed. A battery in new condition will light the LED very brightly. As the charge in the battery drops, the LED will dim. A battery without enough power to cycle the solenoid will not light the LED. A typical brand name battery should be able to clean 100+ injectors during its life span.

BATTERY REPLACEMENT

To access the battery, you will need a 2 mm hex key to remove the bolts from the side plate. **Caution:** Carefully unsnap the battery from the connector, pulling too hard may cause damage to the connector.



