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Installation Guide for Hose Menders and Isuzu Box Trucks

Dear valued customer;

Thank you for your purchase. Included in your package:

- a) Viper cell®
- b) Install kit; (2) 8" hoses with brass elbows held by brass ferrules, appropriate sized hose menders, (4) fuel line clamps, 2 wire ties.
- c) Viper Cell Window Sticker

Installation: Only to be done by a qualified mechanic. Only use Yellow High Temperature Teflon Tape. Using any other product may result in the seal being weakened by vibration, heat, cold, etc. This may lead to leaking of fuel which may lead to injury or fatality. This can be found at any plumbing supply or Home Depot.



Part 1. Place the hose clamp on the open end of the hose, then insert the hose mender as in Fig.

Fig. 1



Be sure to wrap the Teflon tape 3 times around the threads before inserting the threaded fitting into the cell. When threading fittings into the Viper Cell be sure to run them all the way in until no threads are exposed. Failure to do this could cause leaking of gasoline. For your safety we recommend you have a qualified mechanic do this simple assembly. It takes only minutes.

Installation

- 1) **Most importantly; Safety.** We strongly recommend that this device be installed by a **qualified mechanic**. The installer is recommended to wear eye and hand protection at all times. NEVER have an open flame, cell phone, heat source of any kind when dealing with gasoline and its vapors. Make sure no loose clothing is being work. Engine should not be running during install. Be sure to keep Viper Cell fuel injection hoses from coming into direct contact with hot engine parts or any vehicle parts such as exhaust manifold, etc., that may burn through the hose and start a fire. Not following this recommendation could result in serious injury or death. The engine should be cold when installing.
- 2) If you have a fuse for the fuel pump or fuel system you should remove it before you begin to prevent any excessive spray of fuel. Then turn on the vehicle until the fuel in the line is used up.
- 3) Once you have identified the rubber fuel line to be cut, cut it and slip the hose clamps over both sides. Then insert the Viper Cell Hose menders that you inserted in assembly Part 1. Make sure you push the hose menders all the way into the factory fuel hoses. Then turn the screws of the hose clamps and tighten down until the hose menders can no longer be twisted or turned.

Then replace the fuel pump fuse or fuel system fuse and restart the vehicle to check for leaks.

For Isuzu Box Diesel Box Trucks

- 4) **Remove Banjo bolt from Fuel Filter Housing.** By removing the 14mm X 1.5 banjo bolt from the top of the fuel filter housing it will make it easier to install hose menders. **Fig A-B.**

Figure A



Figure B



Figure A-B: Here you see the metal housing for the fuel filter. Remove the 14mm bold with a 17mm socket. This makes it easier to install the hose menders after the line is cut.

- 5) **Cut the fuel line:** Using a fuel line cutting tool simply cut the line midway between the fuel filter and the injector as shown in figure C.

Figure C:

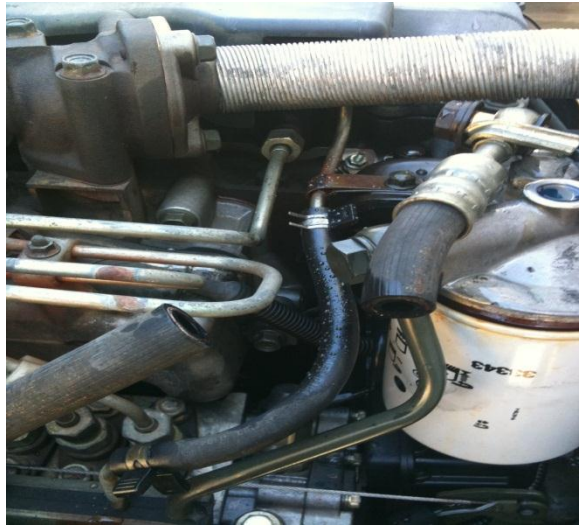


Figure C: With fuel line cut now and banjo bolt removed it is now easier to insert hose menders

- 6) **Insert Hose Menders and Clamps:** As shown in Figure D simply insert hose menders and fuel clamps on either end of provided fuel hose and the factory hose you cut in the previous step.

Figure D

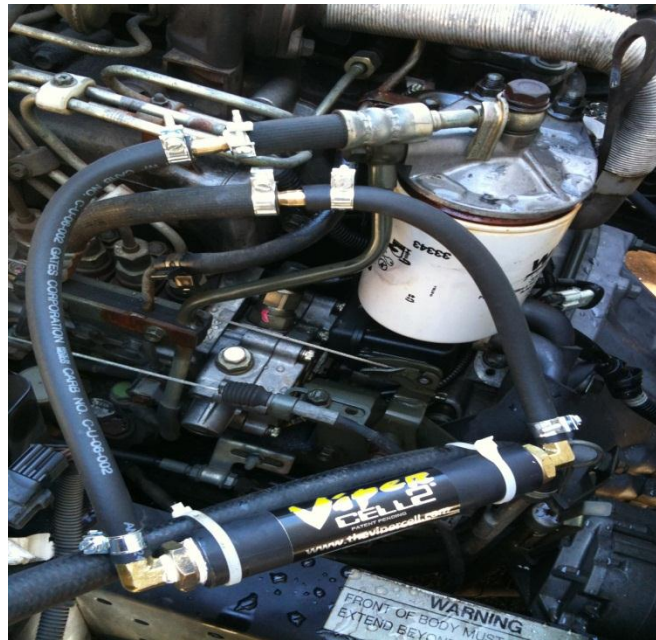


Fig D: The Viper Cell fully installed and clamped down. After install be sure to reinsert the banjo bolt securely back into fuel filter housing and turn on vehicle to check for any leaks.

- 7) **Secure the Viper:** Secure the Viper Cell with the wire ties (tie wraps) provided in your install kit. Be sure to secure the Viper cell tightly. Be careful not to tie or secure it onto anything that may break, cut the fuel line, or damage your vehicle in any way.
- 8) **Start your vehicle:** The first time you start your vehicle it may take a couple of attempts until the gas passes through to the engine. After the first time this won't happen again.
- 9) **Check for leaks:** Be sure to let your engine run for 5 minutes and watch all your attachment points to ensure the installation has been done properly and there are absolutely no leaks. If you see leaks have your mechanic check all fittings, threads and attachments. If this does not solve the problem immediately remove the device.

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