



FLEX FUEL KIT INSTALLATION

Warning: This fuel system modification should only be installed by a qualified automotive technician familiar with automotive fuel system operation and installation. GotBoost Performance is not responsible for any problems arising from improper install. Care should be taken before any lines or fittings are removed as fuel injection lines are under pressure, even after the car has sat idle for a period of time. We only recommend certified techs familiar with the GTR to perform the install.

Step 1.

It ***is not*** necessary to remove the intake manifold to perform the install. First trace the fuel return line, (smaller of the 2 fuel lines), to the dampener located in the rear area of the intake manifold. See picture below. **It is the top line in the picture.**

Place a rag under the dampener on the end of the fuel return line, (smaller of the 2 fuel lines that are hooked to the steel hard lines going to the back of the car) Loosen the two 6mm bolts holding to the fuel regulator. Slowly remove it from the dampener, letting any residual fuel pressure to escape before pulling it all the way out. Unclip the opposite end of the return line from the oem hardline and remove the return line from the car. You are going to replace it with the supplied adapter fitting and AN line shown in the **bottom of the picture below.** Make sure to lubricate the o-ring with silicone spray or equivalent. Torque the bolts to 6 ft./lbs.



Step 2.

Remove the oem fuel line support bracket on the firewall. Remove the two rubber bushings with metal centers from the bracket.



The rubber/metal bushing assemblies will be used as spacers for the mounting of the Flex Fuel sensor and heat shield.

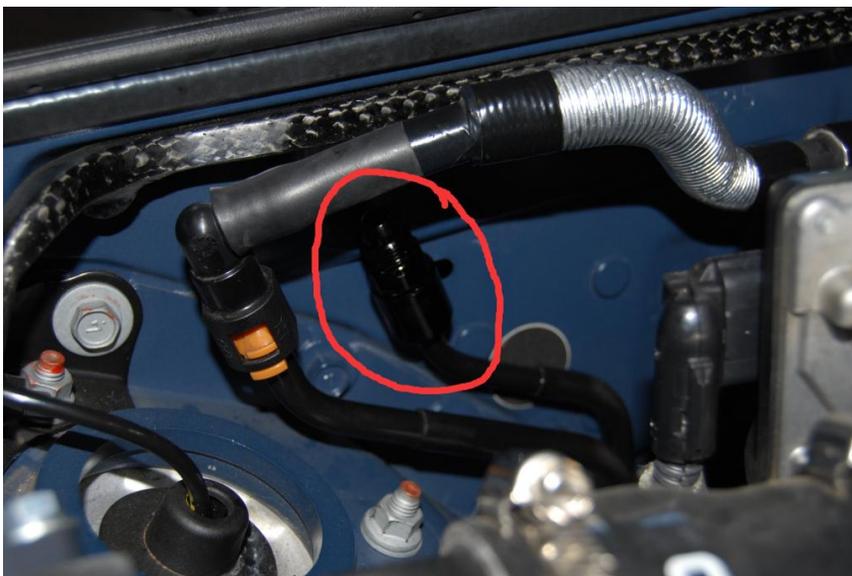


STEP 3.

Install the flex sensor and heat shield, using the two oem 6mm bolts removed from the fuel line support bracket, along with the bushing spacers. Mount the sensor/shield to the firewall in the same location as the fuel line support bracket was previously located.



STEP 4. Connect the long hose/adapter to the adjacent fitting on the flex sensor. Install the AN adapter fitting to the factory oem metal return line that runs to the fuel tank. Follow the instructions located inside the AN adapter box, and make sure to lubricate it before pressing it onto the metal line.



Connect the short line from the adapter to the other side of the flex fuel sensor.

Make sure all connections are tight, but do not over-tighten!

NOTE: It is recommended that after driving the car a few times and running it through a few heat cycles that you re-check all fuel line connections!

STEP 5.

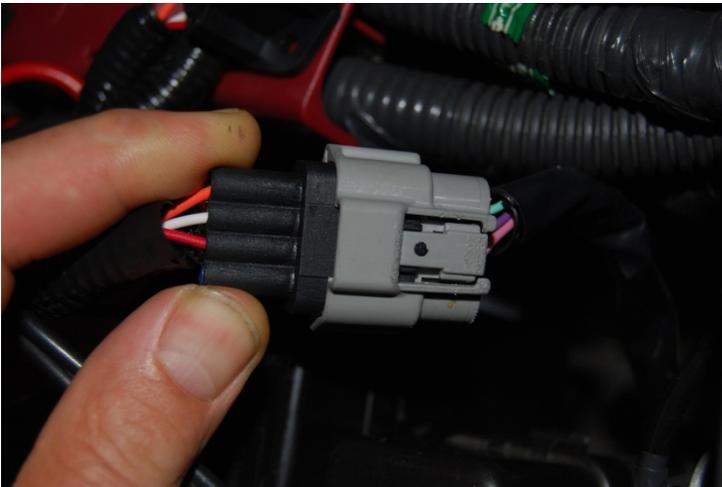
Remove the plastic trim panel around and over the top of the battery.



STEP 6.

Un-plug the connector at the airpump motor. Plug the Flex Fuel harness plug into the airpump (see next 3 pictures)





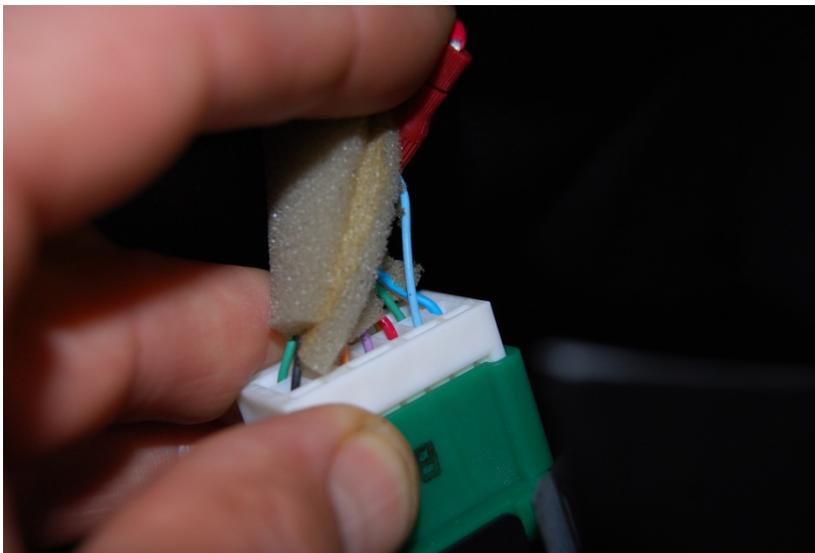
Connect brown plug on Flex Harness into the Flex Fuel sensor.



STEP 7.

The LED mounting is next. It can be mounted in a variety of locations. The easiest is probably the side view mirror control panel. It pops out very easy by pulling straight out. There is switched ignition power via the **light blue** wire on the mirror harness. You can use the posi-tap connector supplied to easily tap into this wire for the 12 volt **ignition-on** for the red LED wire.

The blue LED wire runs to the Flex harness and plugs into the remaining plug on it. There is a blank rubber firewall grommet on the driver's side above the footwell area which is a great place to run the blue wire into the passenger compartment.



STEP 8.

Here is another location the LED can be mounted, but is more difficult to do. Whatever the location chosen, drill a ¼" hole and use the supplied black plastic grommet for mounting the LED.



STEP 9.

MOST IMPORTANT:

Your vehicle now must be tuned for flex fuel use by your tuner, whether he is using EcuTek or a Cobb AP, the voltage range the ecu uses for ethanol content calibration must be set for .5 volts to 4.5 volts. (Other flex systems use a range of 0 – 5 volts) Our Smart Flex Fuel Cable uses a voltage range of .5 volts to 4.5 volts because of the built in fail-safes below .5 volts or above 4.5 volts. (for diagnostic self check and fuel over-temp warnings. These are explained further in the separate Flex Fuel harness instruction sheets.

MAKE SURE YOUR TUNER SETS THE VOLTAGE RANGE TO .5 VOLTS- 4.5 VOLTS!!

Check for any leaks or seepage before driving the car!!!