



08+ Subaru Sti Fuel Pressure Regulator Kit

The goal of AMS is to provide the highest quality, best performing products available. By utilizing research and development, and rigorous testing programs, AMS will never compromise the quality or performance of our products. In addition, AMS will only provide the finest customer service offering only parts and advice that are in the best interests of the customer. AMS was built on a foundation of integrity. This is who we are, this is what you can count on.

A vehicle modified by the use of performance parts may not meet the legal requirements for use on public roads. Federal and state laws prohibit the removal, modification, or rendering inoperative of any part or element of design affecting emissions or safety on motor vehicles used for transporting persons or property on public streets or highways. Use or installation of performance parts may adversely affect the drivability and reliability of your vehicle, and may also affect or eliminate your insurance coverage, factory warranty, and/or new OEM part warranty. Performance parts are sold as-is without any warranty of any type. There is no warranty stated or implied due to the stresses placed on your vehicle by performance parts and our inability to monitor their use, tuning, installation, or modification.

These instructions are provided as a guide only as there are many variables that cannot be accounted for concerning your particular vehicle, including but not limited to model year differences, model differences, the presence of non-OEM parts, and modifications that may already be or were previously installed. A basic knowledge of automotive parts and systems is helpful but a better understanding of the parts and systems on your particular vehicle may be required.

If you have any questions or issues at any time during the installation of your AMS product(s) please call us for technical assistance. The AMS tech line can be reached at 847-709-0530.

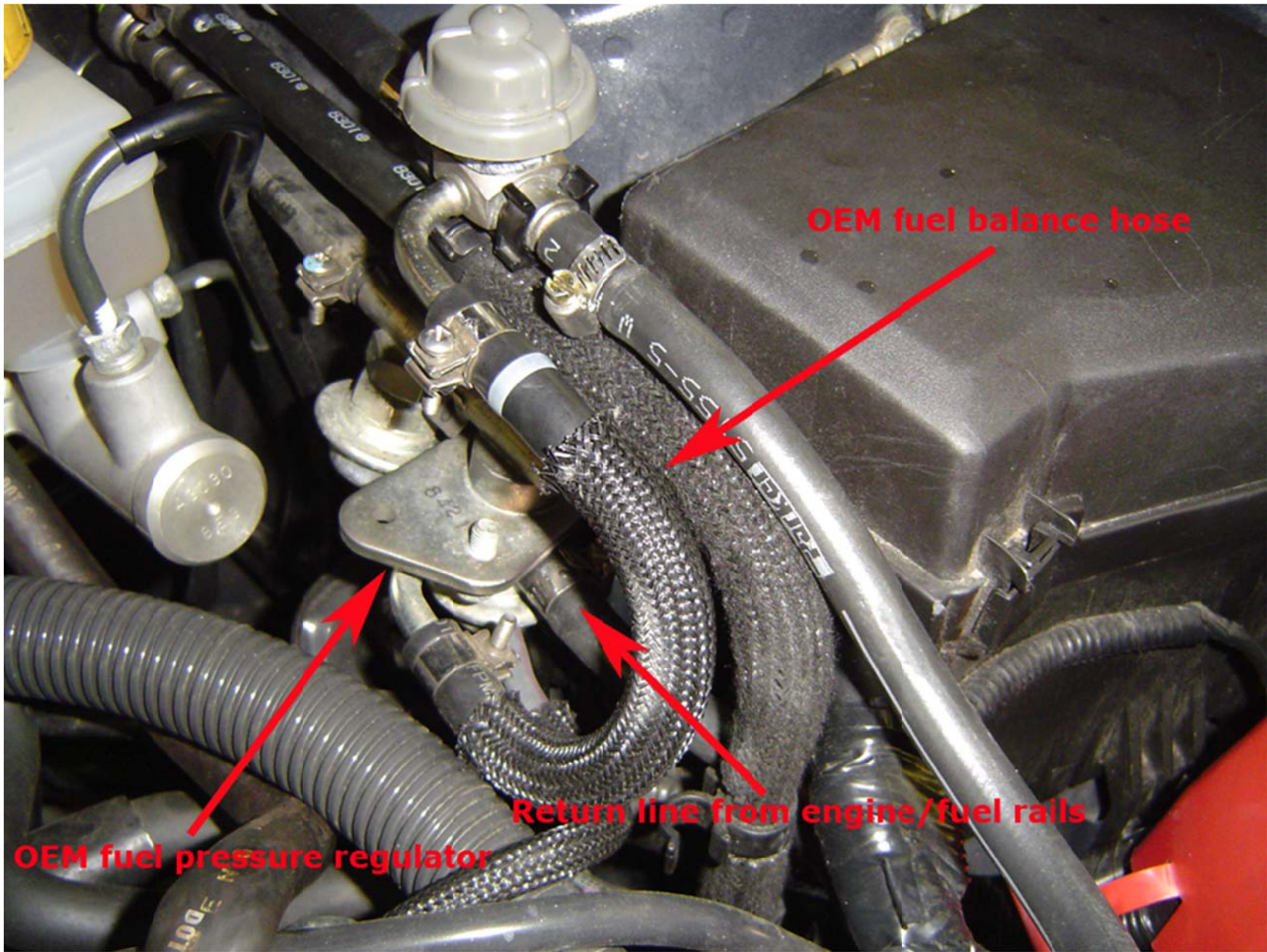
***This kit requires knowledge of how to assemble AN hose ends.**

Packing List:

- 1 – Fuelab adjustable regulator
- 1 – Fuel pressure gauge
- 3 – 6AN 90 fittings
- 3 – 6AN o-ring adaptor fittings
- 1 – 90 quick connect fitting
- 2’ – 3mm vacuum line
- 2 – Small zip ties
- 6’ – Fuel line
- 1 – 5/16” barb fitting

Instructions (Pictures Below):

1. Begin by disconnecting your battery negative cable, this is always a good idea when performing any kind of work on a vehicle.
2. Remove the factory fuel pressure regulator, fuel balance hose, regulator vacuum line and engine to fuel pressure regulator hose.
3. Find a suitable location to mount the regulator and temporarily mount, this is done so the lines length can be determined.
4. Insert the barb fitting into the return line that runs to the regulator and connect this to the bottom port of the regulator using OEM clamps and the supplied hose and 6an fitting.
5. Connect the open port from the feed line to one of the ports on the side of the regulator using the supplied hose and 6an fitting.
6. Connect the port from the engine side return line to one of the side ports of the regulator using the supplied hose, 6an fitting and 90 quick connect fitting.
7. Connect the vacuum port on the regulator to the original regulator vacuum port on the intake manifold.
8. Permanently mount the regulator and tighten all fittings.
9. Re-connect battery, turn key to ON and check for leaks. If no leaks are found start vehicle and set fuel pressure (factory is 43.5 psi, pressure varies depending on setup).



OEM fuel balance hose

OEM fuel pressure regulator

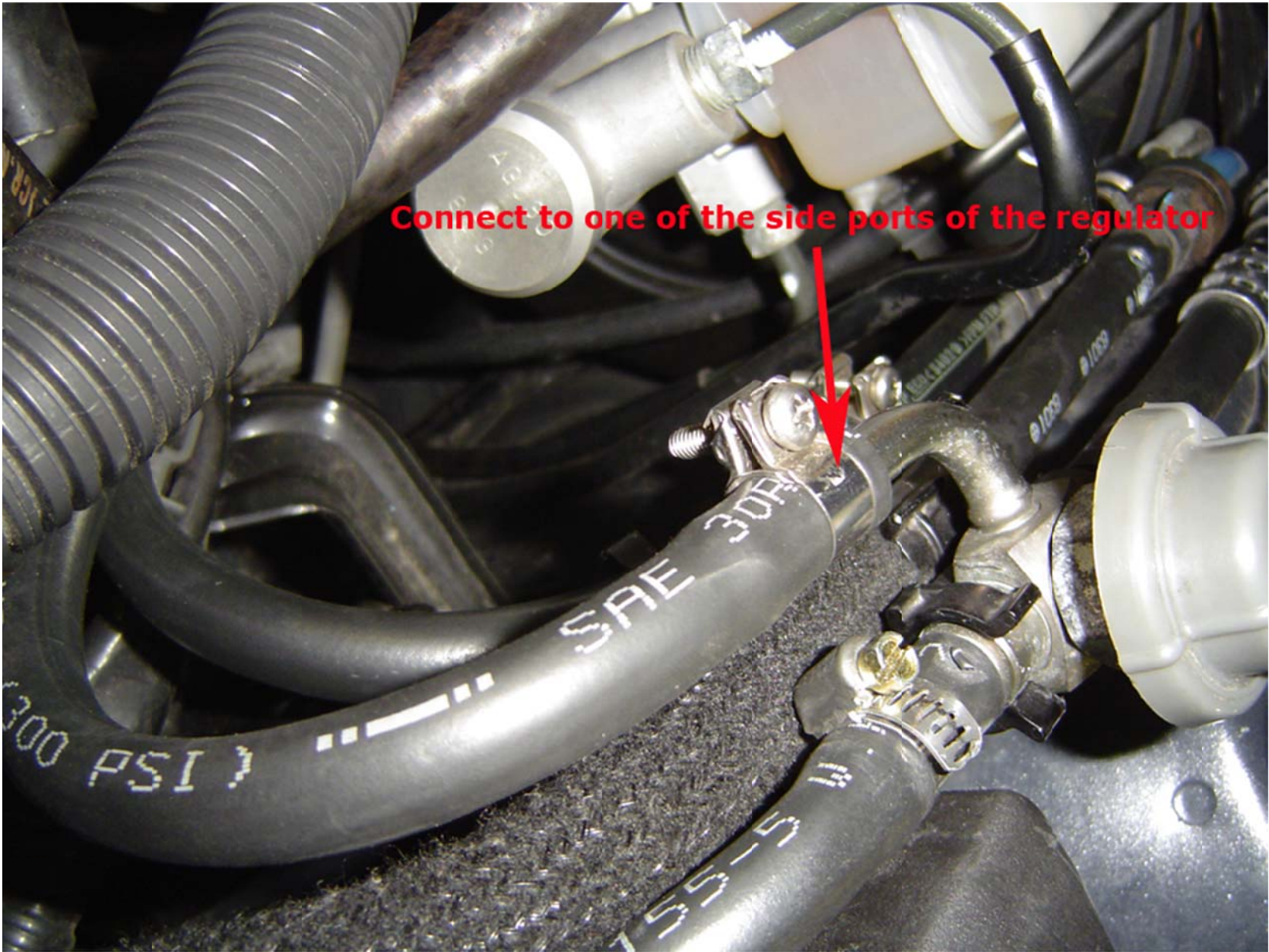
Return line from engine/fuel rails



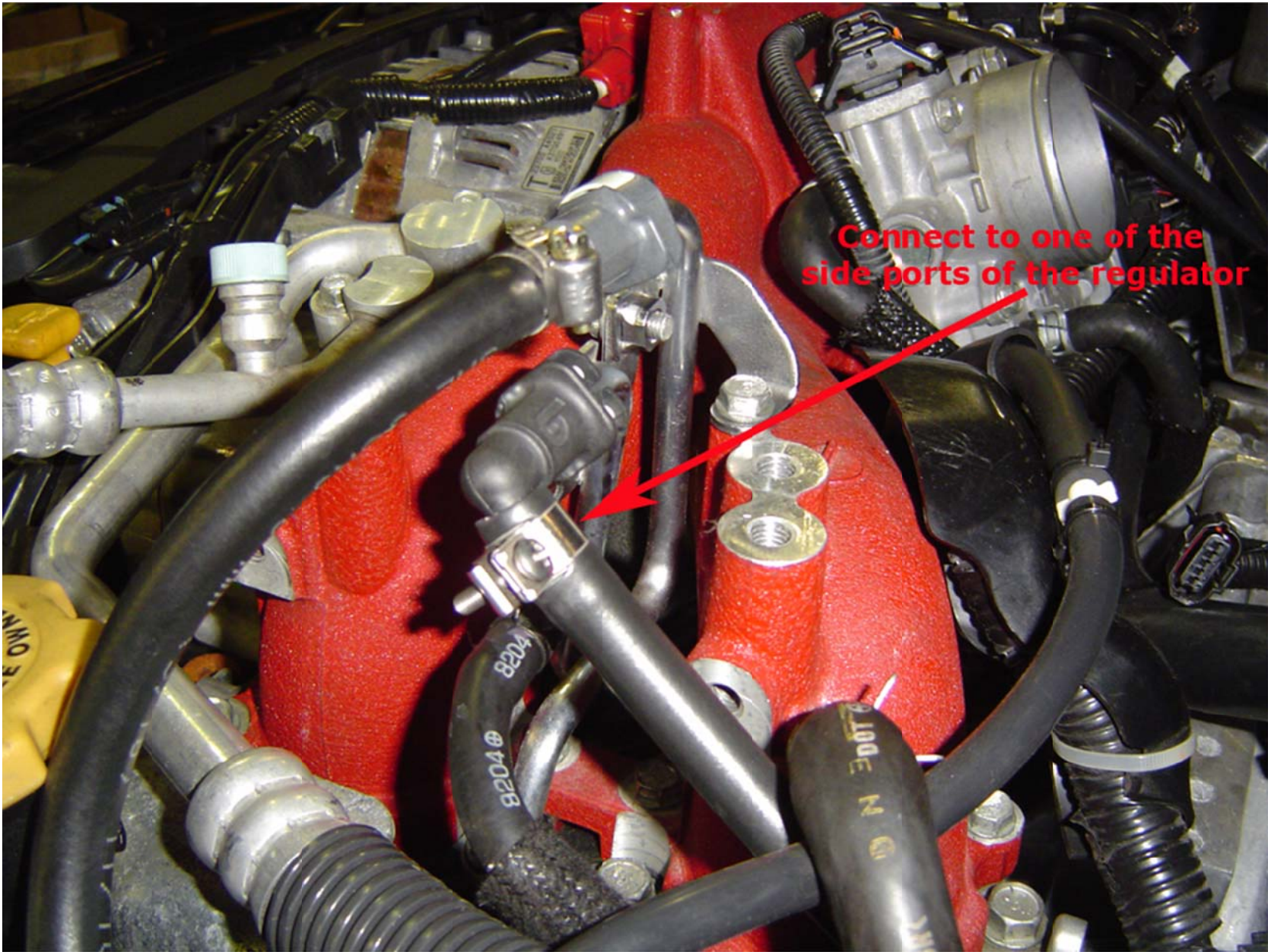
**OEM fuel pressure regulator and
fuel balance hose removed**



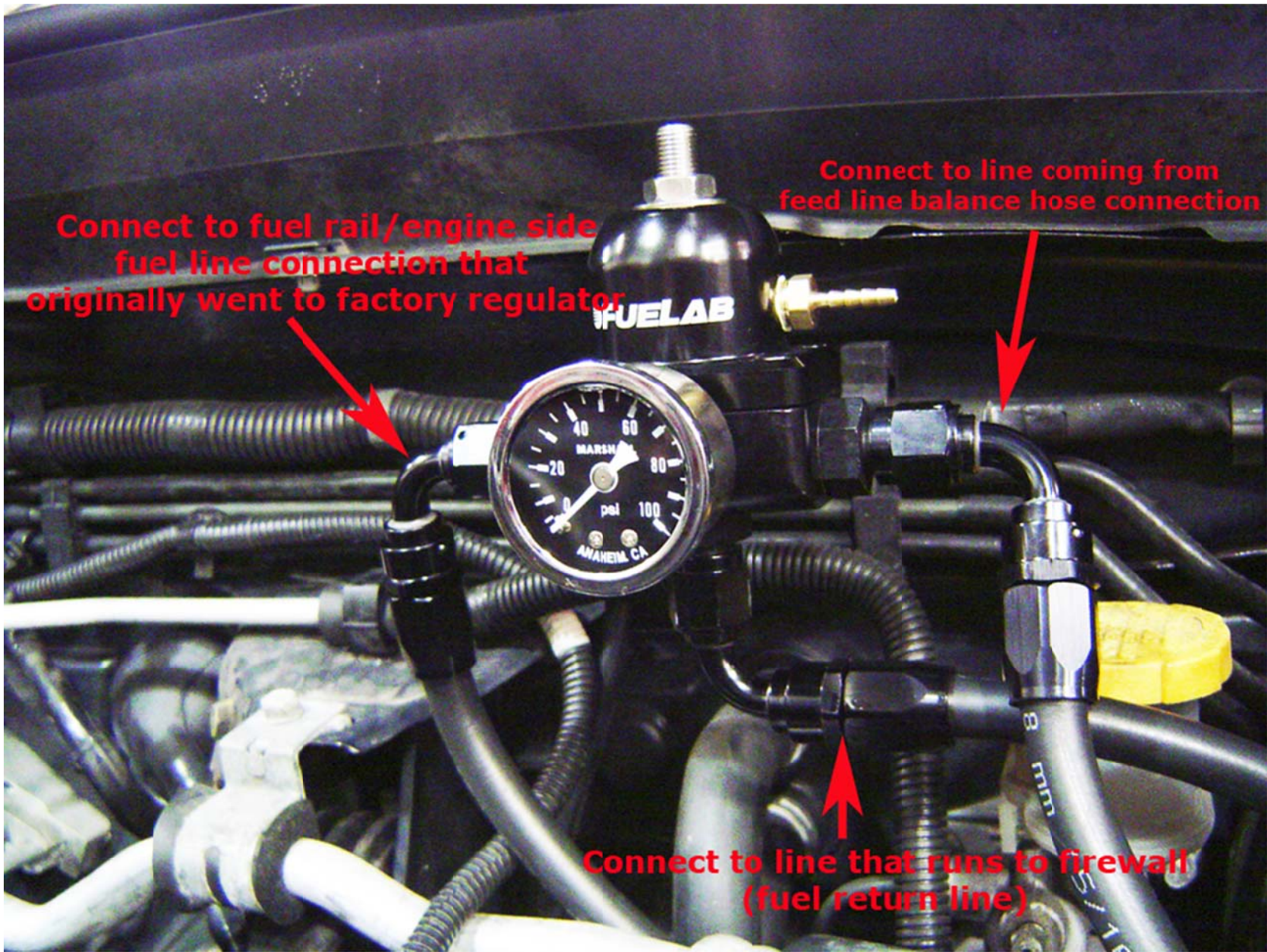
Connect the original fuel pressure regulator line to the bottom port of the Fuelab regulator using the included barb fitting and OEM clamps



Connect to one of the side ports of the regulator



Connect to one of the side ports of the regulator



Connect to fuel rail/engine side
fuel line connection that
originally went to factory regulator

Connect to line coming from
feed line balance hose connection

Connect to line that runs to firewall
(fuel return line)