

IAG PTFE Flex Fuel Line Kit for 2006-07 Subaru WRX & 2006-07 STI

Part# - IAG-AFD-2222

Thank you for choosing the IAG PTFE Fuel Line Kit. IAG recommends professional installation for this product. If you do the installation yourself, please reference the OE Service Manual for steps not listed in these instructions. If you do not own a Service Manual you can access and download the Subaru Service Manual for your car online at techinfo.subaru.com (\$34.95). If you have any questions please email support@iagperformance.com or call 410-840-3555 for assistance.

Parts List		
Part Name	Quantity	Notes
Hose 1	1	34.75" Long with 90deg x 90deg Female -6 AN Fittings
Hose 2	1	19.5" Long with Odeg x 90deg Female -6 AN Fittings
Hose 3	1	14.25" Long with Odeg x 90deg Female -6 AN Fittings
Hose 4	1	20.25" Long with Odeg x 90deg Female -6 AN Fittings
Hose 5	1	15.75" Long with Odeg x 150deg Female -6 AN Fittings
Hose 6	0	Not Included / Only Used For Non Flex Fuel PTFE Lines
Hose 7	1	8.5" Long with Odeg x 30deg SAE Fittings
Hose 8	1	7.375" Long with 90deg x 150deg Female -6 AN Fittings
FPR Bracket	1	Long Powder coated Bracket with 4 Holes
COBB Flex Fuel Sensor Relocation Bracket	1	Attaches the COBB Flex Fuel Sensor / Bracket to the strut tower
-6 AN Y-Fitting	1	It's a Y-Fitting with 3 Male -6 AN Fittings
Y-Fitting Bracket	1	L Shaped Bracket to Hold Y-Fitting, uses M4 Rivnut and Bolt
Mounting Clamp	1	Clamp for Y-Fitting
M4 Socket Head Screw	1	Bolt to attached Y-Fitting Clamp To L-Bracket
M8x1.25x16 Hex Head Bolt	1	Bolt to attach L shaped bracket to the short block
-8 ORB to -6 AN Fuel Fittings	4	These go in your IAG Fuel Rails
-6 ORB to -6 AN Fuel Fittings	3	These go in your Aeromotive FPR
SAE 3/8 Quick Connect to -6 AN Male	2	These adapt the OEM Hard Fuel Lines to -6 AN Fittings
SAE 5/16 Quick Disconnect to -6	1	Adapts to COBB Flex Fuel Sensor
14mm Hose Separator	1	This makes things nice and clean.
M6 x 16mm Hex Head Screws	4	These are used for the COBB Flex Fuel Relocation Bracket
M6x1.00 Flange Nut	2	These are used for the COBB Flex Fuel Relocation Bracket
M6 x 12 Hex Flange Bolt	2	Used mount FPR Bracket to the strut tower
¼" to 3/16" Vacuum Reducer	1	Used to 3/16" vacuum line to ¼" firewall EVAP hard line
¼" Vacuum T	1	Installed between the EVAP solenoids
3/16" Vacuum T	1	Installed between BOV and intake manifold (cut OEM line)
3/16" Vacuum Line	2'	Installed between 3/16" Vacuum T and Fuel Pressure Regulator
1/8" Vacuum Line	2'	Installed between EVAP solenoid and Firewall hard line
Vacuum Cap	2	Used to cap OEM fuel pressure reference port, use the size which fits best.
4" Zip Tie	2	Used for vacuum cap.





This is all of the parts laid out. Please note that each hose is identified by overall length and type of fitting used. You will see on the next page how each hose is measured, and how you can identify the proper hose. We will refer to each hose as "Hose 1, Hose 2, Hose 3, etc."





Hose 1 (34.75" Length) has two 90deg Fittings.



Hose 2 (19.5" Length) has a Odeg and 90deg fittings.



Hose 3 (14.25" Length) has a Odeg and 90deg fittings.



Hose 4 (20.25" Length) has 90deg and 0deg fittings.



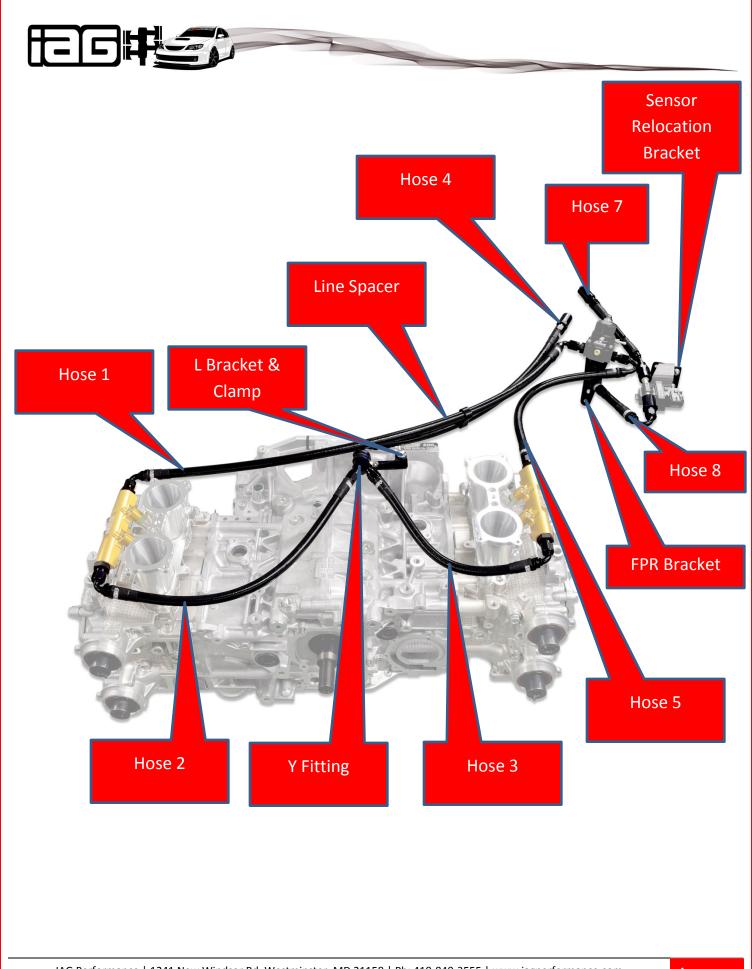
Hose 5 (15.75" Length) has Odeg and 150deg fittings.



Hose 7 (8.5" Length) has two Odeg and 30deg SAE fitting.



Hose 8 (7.375" Length) has two 90deg and 150deg fittings.



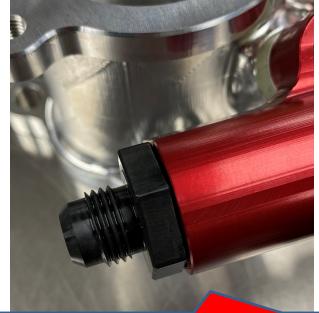






flush when installed properly. Torque these

fittings to 16 ft/lbs.



-8 ORB's installed with lube in the fuel rails. Note the fitting is flush. Torque these fittings to 29 ft/lbs. Do not over-tighten!





All 3 Fuel Fittings (-6 ORB to -6 AN) should be already installed, if not, install now with lube and torque to 16 ft/lbs. Install your Fuel Pressure gauge or sensor (not included) in the NPT port on the front now.

View to show the orientation of the FPR Bracket installed on the Aeromotive FPR.



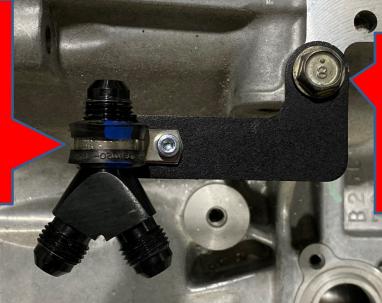




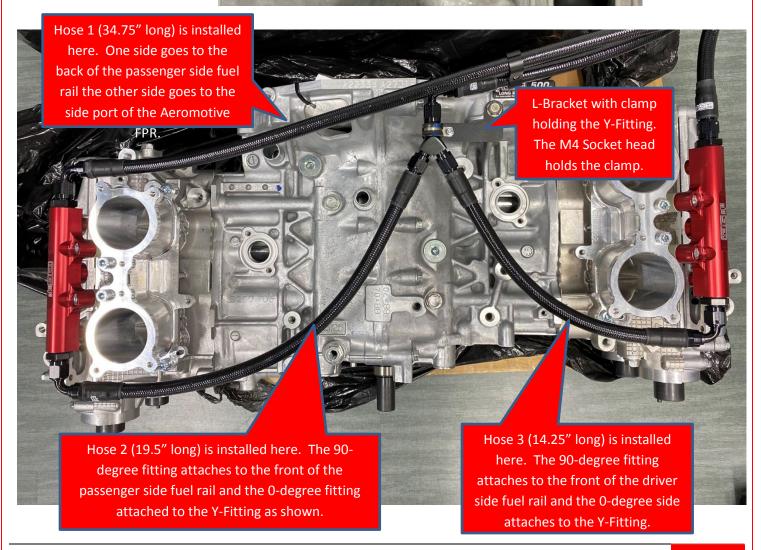
- Pull the fuel pump fuse and crank the vehicle until it stalls. Then, try to start again. This will relieve the majority of fuel pressure.
- Remove the factory fuel hoses and regulator assembly, per the OEM service manual.
- Use the supplied vacuum cap, secured with the zip tie, to block off the OEM Fuel pressure regulator port at the intake manifold.
- Remove the factory intake manifold per the OEM service manual.
- Remove the factory TGV's per the OEM service manual. Aftermarket TGV housings are required for this kit.
- Remove the factory fuel lines per the OEM service manual



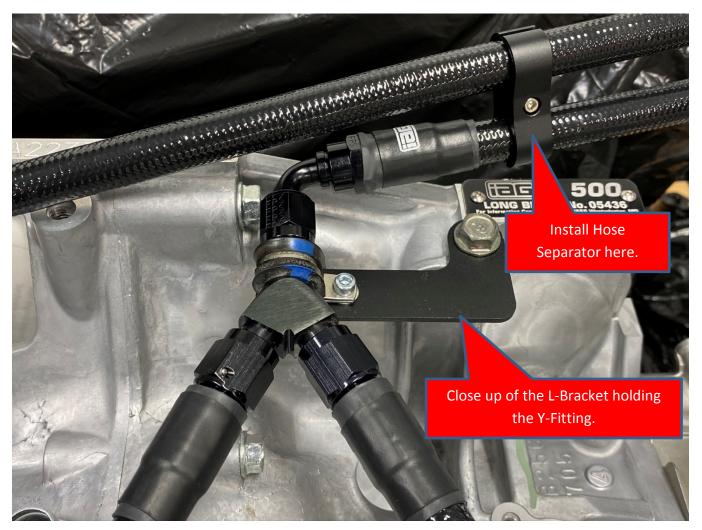
Insert the long end of the Y-Fitting into the clamp and attach it to the L-Bracket using the included M4 Bolt. Make sure the clamp is pushed as far towards the middle of the fitting to prevent the -6 Hose from binding on the clamp when installing the hoses.



Mount the L-Bracket in the bolt hole used by the air pump bracket. Use the supplied bolt or reuse the OEM Bolt



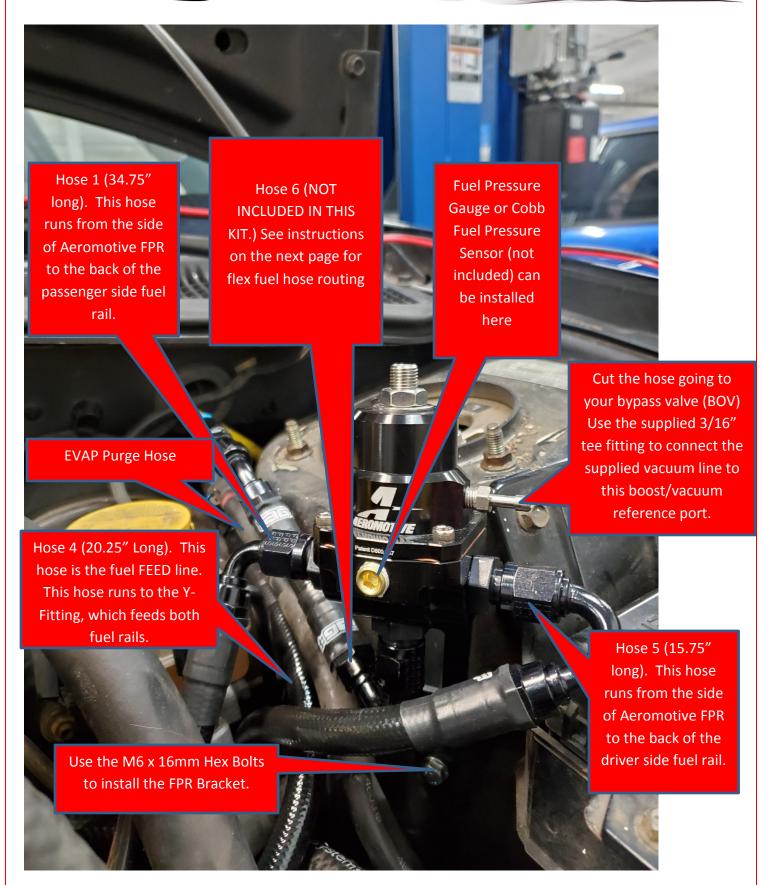














Flex Fuel Sensor Hose Routing

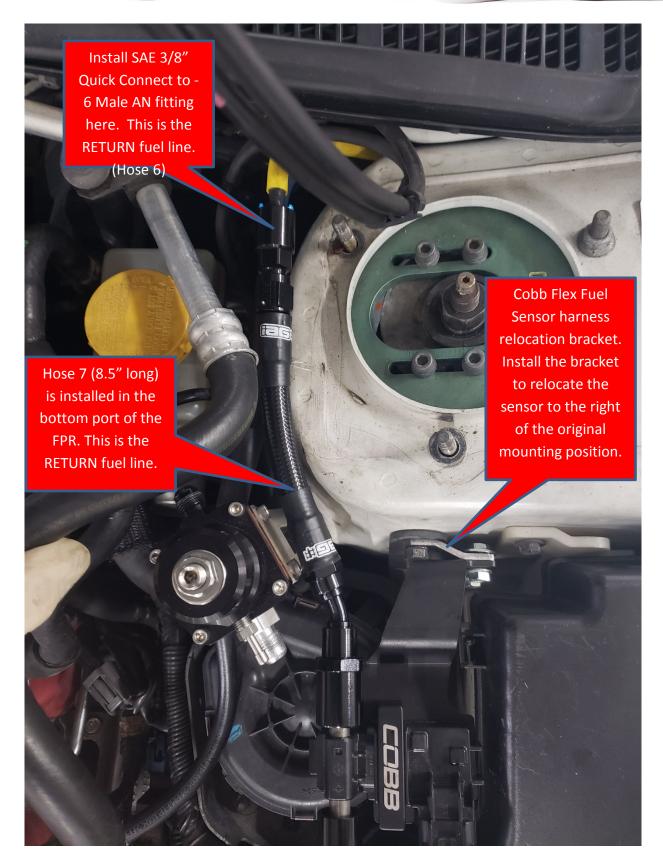
Hose 7 (8.5" long)
is installed
between th flex
fuel sensor and the
firewall hard line.
This is the RETURN
fuel line.

COBB Flex Fuel
Sensor harness
relocation bracket.
Install the bracket
to relocate the
sensor to the right
of the original
mounting position.

Hose 8 (7.375" long) is installed in the bottom port of the FPR. This connects to the Cobb Flex Fuel Sensor

SAE 5/16" Quick Connect to -6AN hose adapter.

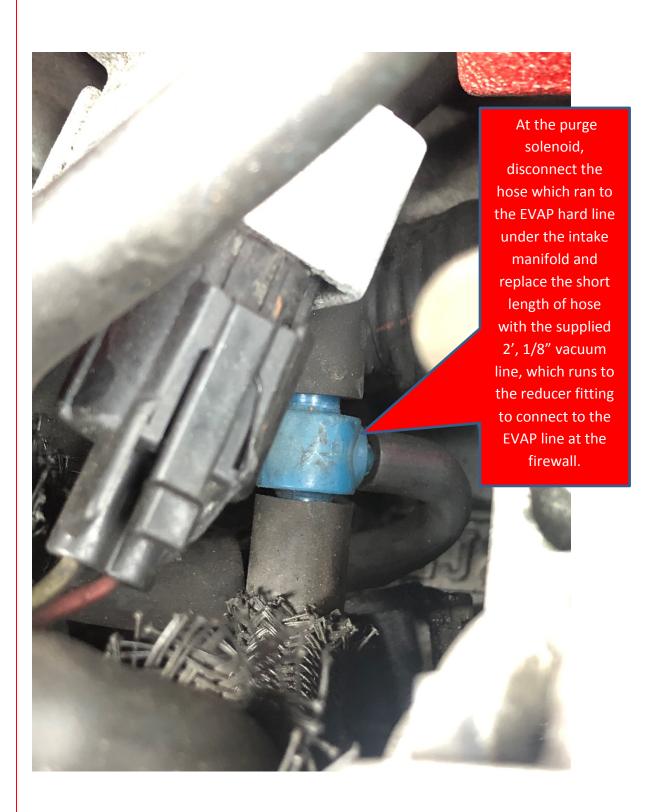




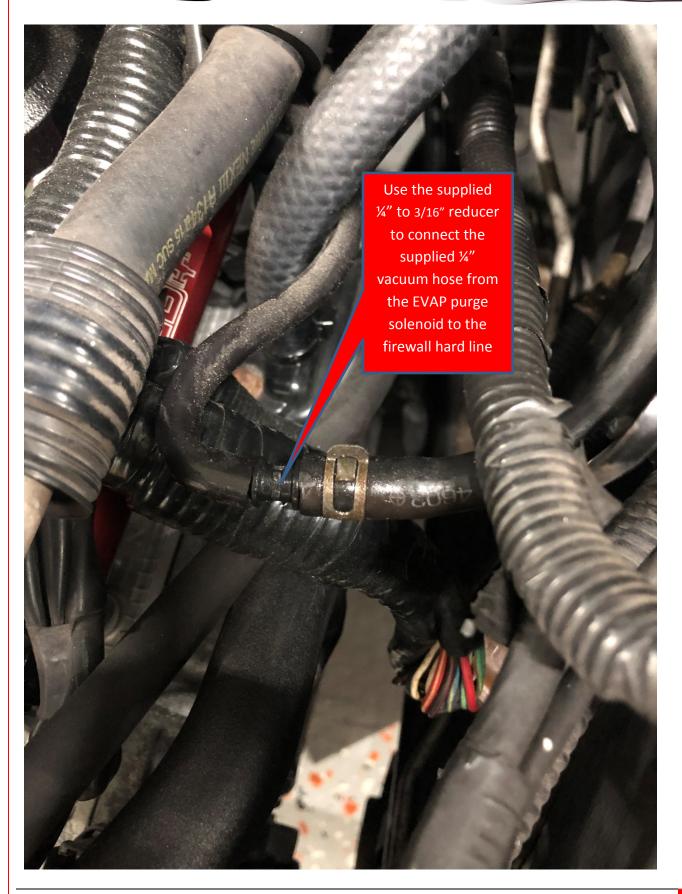














- Re-insert the fuel pump fuse. Cycle the key on and off 3-4 times without starting the vehicle to build fuel pressure.
- Check all connections for leaks.
- Set your base fuel pressure to your tuner's recommended base pressure with the ignition key on and the vacuum line to the FPR disconnected.
- You are now finished installing the IAG PTFE Fuel Line kit.