



## IAG PTFE Fuel Line Kit for 2008-19 Subaru STI

Part# - IAG-AFD-2210

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](http://techinfo.subaru.com) (\$34.95).

Parts List		
Part Name	Quantity	Notes
Hose 1	1	32.125" Long with 90deg x 90deg Female -6 AN Fittings
Hose 2	1	19.375" Long with 0deg x 90deg Female -6 AN Fittings
Hose 3	1	13.875" Long with 0deg x 90deg Female -6 AN Fittings
Hose 4	1	23.125" Long with 90deg x 90deg Female -6 AN Fittings
Hose 5	1	15.75" Long with 0deg x 150deg Female -6 AN Fittings
Hose 6	1	5.50" Long with 0deg x 0deg Female -6 AN Fittings
FPR Bracket	1	Long Powder coated Bracket with 4 Holes
-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
-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 Quick Connect to -6 AN Male	2	These adapt the OEM Hard Fuel Lines to -6 AN Fittings
14mm Hose Separator	1	This makes things nice and clean.
M6 x 16mm Hex Head Screws	2	To Mount FPR Bracket



This is all 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  
(32.125"  
Length) has  
two 90deg



Hose 2  
(19.375"  
Length) has  
90deg and  
0deg fittings.



Hose 3 has  
a 0deg and  
90deg  
fittings.



Hose 4  
has two  
90deg  
fittings.



Hose 5 has  
0deg and  
150deg  
fittings.



Hose 6 has two  
0deg fittings.



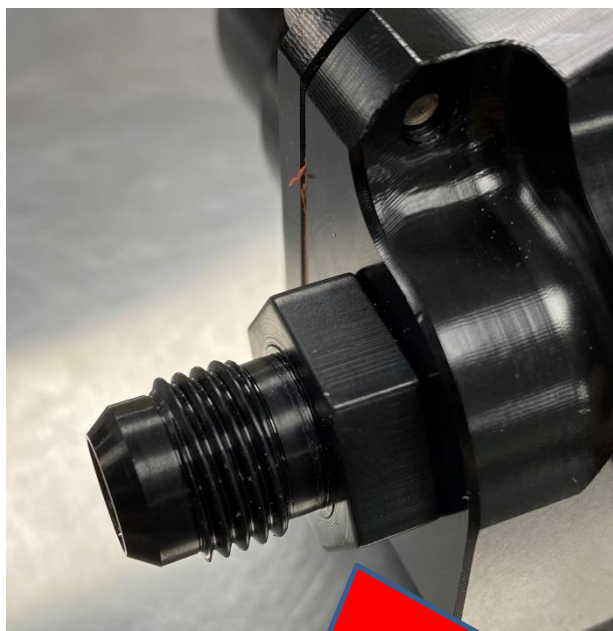


ALWAYS apply lube to all O-rings for this installation. Dry O-rings can tear and that's bad.



-8 ORB Fittings (larger) are installed in the fuel rails.

The -6 ORB Fittings are installed in the Aeromotive FPR.



Please note that the fitting should be fully flush when installed properly. But once this fitting is flush it's fully tight.



-8 ORB's installed with lube in the fuel rails. Note the fitting is flush but do not overtighten you can damage threads.

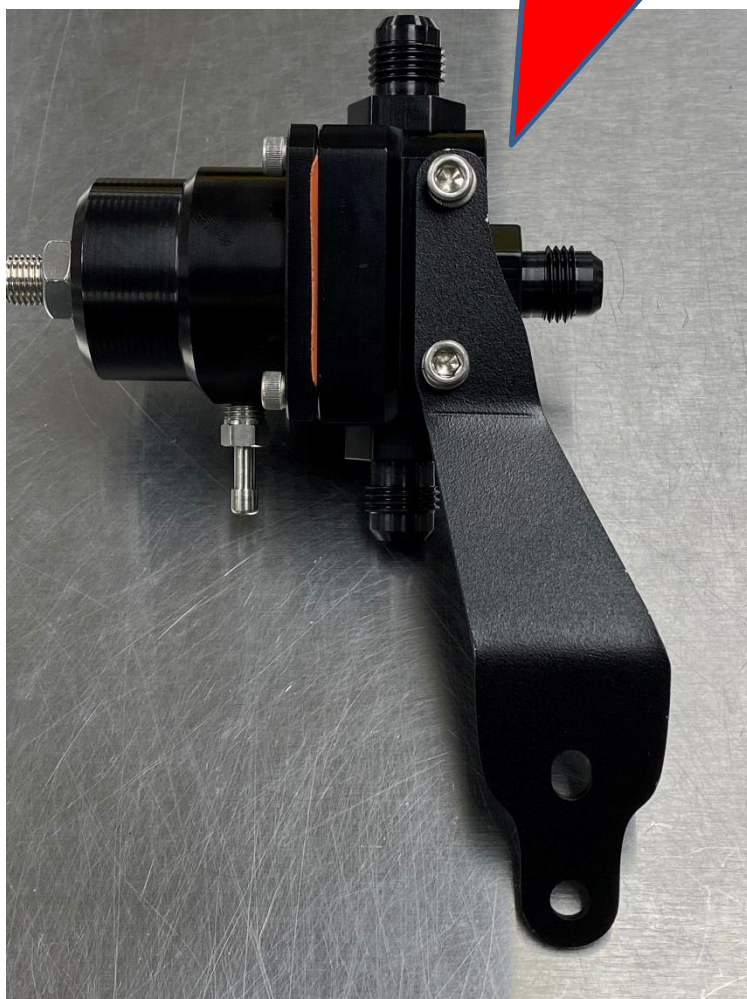


All 3 Fuel Fittings (-6 ORB to -6 AN) should be already installed, if not, install now with lube! Install your Fuel Pressure sensor in the NPT port on the front now if you are using one.

Install the FPR Bracket using the hardware supplied with the Aeromotive FPR. Pay attention to the orientation of the bracket in all 3 photos.



Top view of the FPR Bracket installed on the Aeromotive FPR.

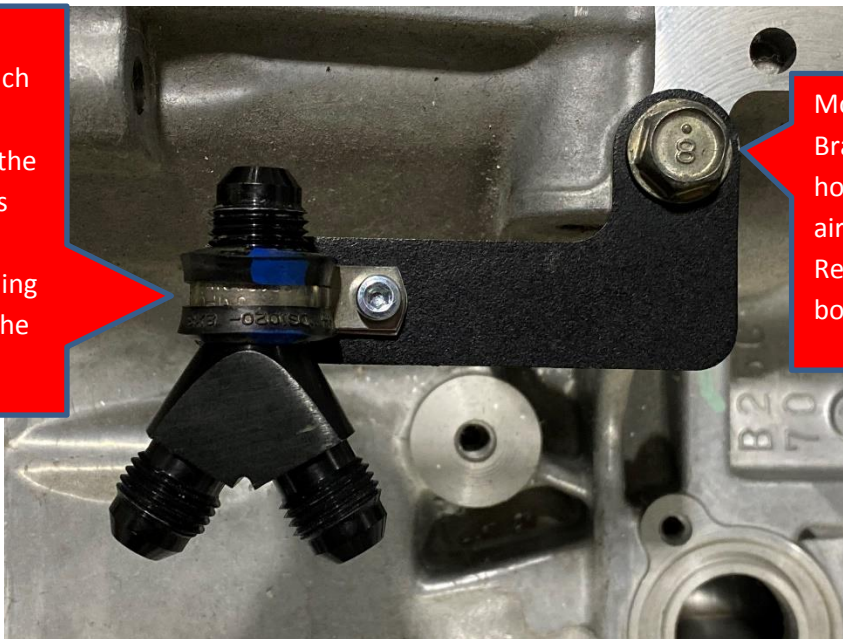






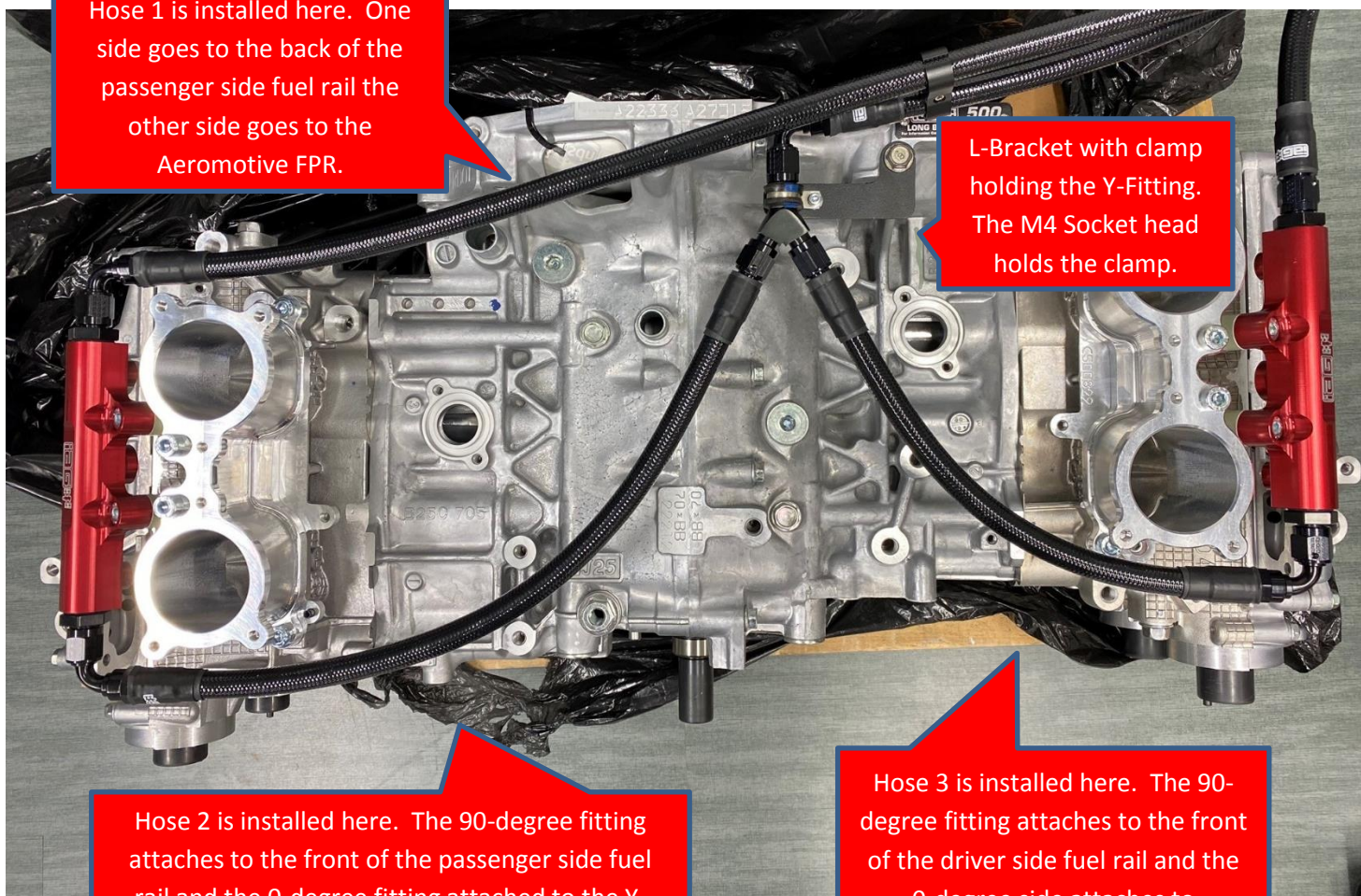
- Pull the fuel pump fuse and crank the car until it stalls then try to start again. This will relieve the majority of fuel pressure.
- Remove the factory intake manifold.
- Remove the factory TGV's.
- Remove the factory fuel lines

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. Reuse the OEM bolt.

Hose 1 is installed here. One side goes to the back of the passenger side fuel rail the other side goes to the Aeromotive FPR.

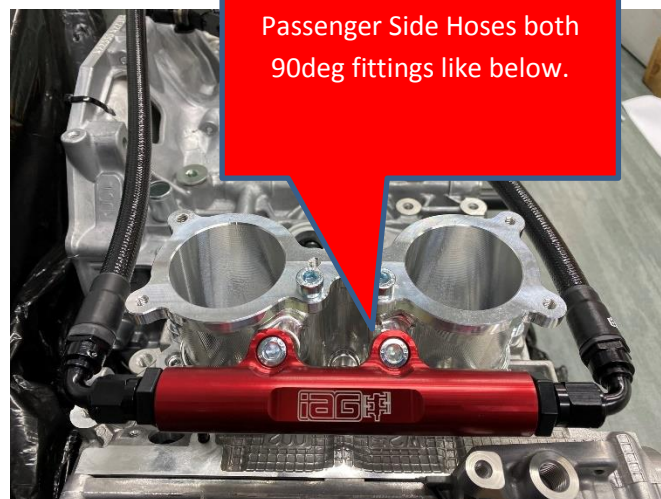


L-Bracket with clamp holding the Y-Fitting. The M4 Socket head holds the clamp.

Hose 2 is installed here. The 90-degree fitting attaches to the front of the passenger side fuel rail and the 0-degree fitting attached to the Y-Fitting as shown.

Hose 3 is installed here. The 90-degree fitting attaches to the front of the driver side fuel rail and the 0-degree side attaches to







Cobb Fuel  
Pressure  
Sensor  
installed in  
FPR

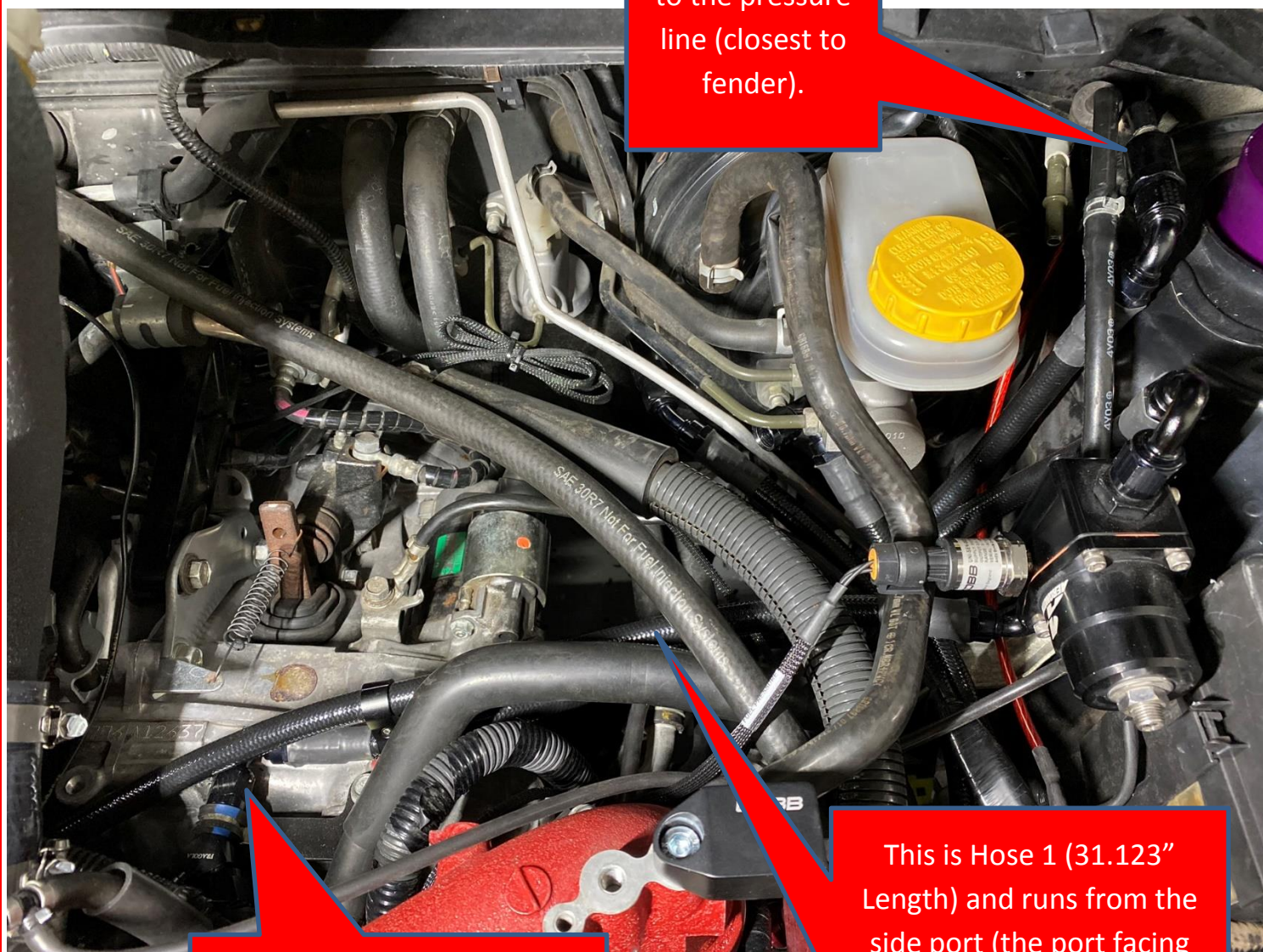
This is Hose 1  
(32.125" Long).  
This hose runs  
from the side of  
Aeromotive FPR  
to the back of  
the passenger  
side fuel rail.

Connect your  
Aeromotive FPR to a  
vacuum source.

Use the M6 x 16mm Hex  
Bolts to install the FPR  
Bracket.



Connect Hose 4  
(23.125" Length)  
to the pressure  
line (closest to  
fender).



The other end of Hose 4  
(23.125" Length) is  
connected to the Y-Fitting.  
This should be connected to  
the port that is facing the  
firewall.

This is Hose 1 (31.123"  
Length) and runs from the  
side port (the port facing  
down, remember the FPR is  
rotated 90 degrees) to the  
passenger side fuel rail. It  
connects to fitting on the  
fuel rail facing the firewall.



Install SAE Quick Connect to -6 Male AN fitting here. This is the RETURN fuel line.

Install SAE Quick Connect to -6 Male AN fitting here. This is the FEED fuel line.

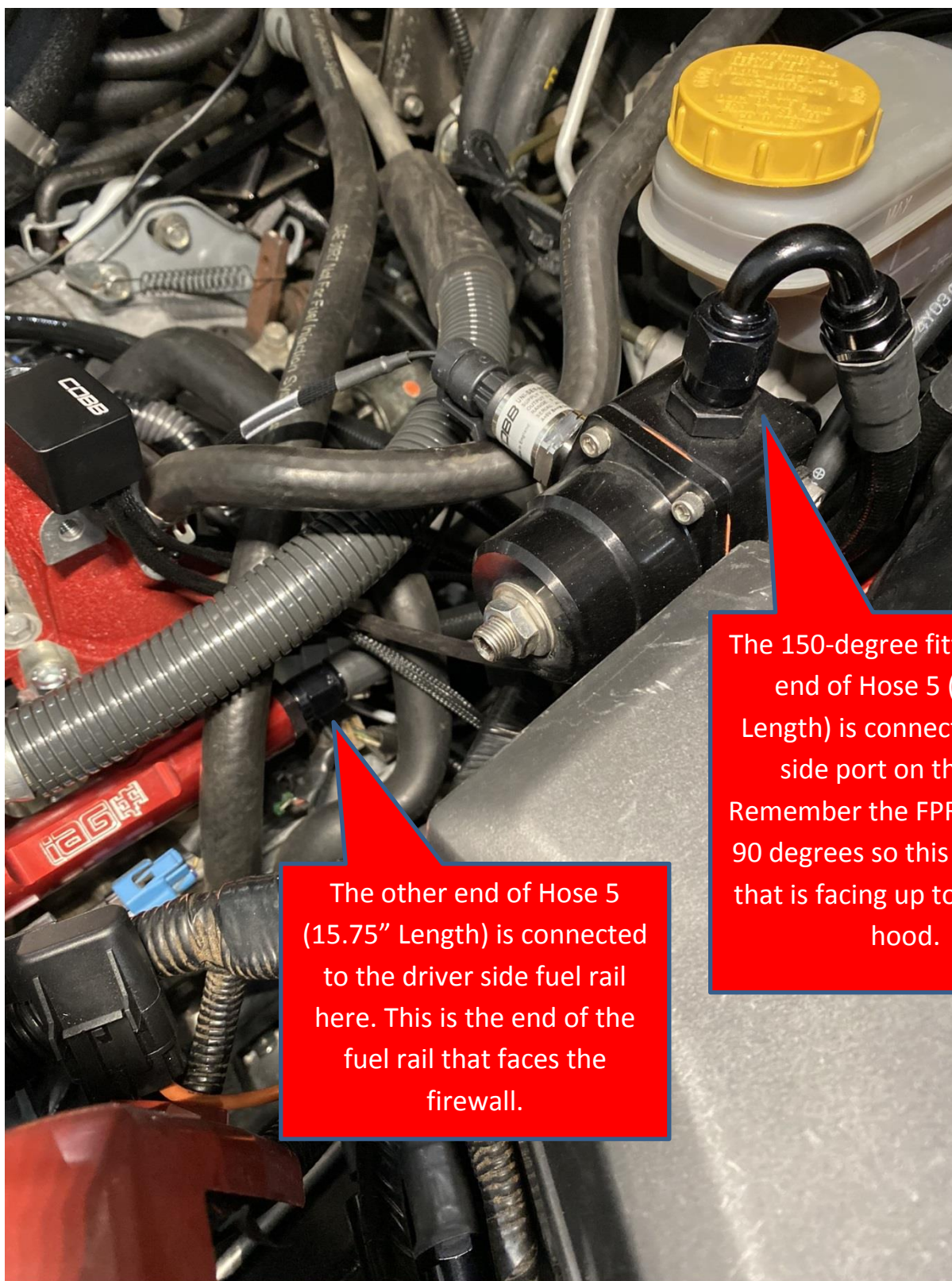
Hose 6 (5.5" Length) is installed in the bottom port of the FPR. Keep in mind the FPR is rotated 90 degrees for installation so the port facing the firewall is actually the bottom/return port.

This is Hose 4 (23.125" Long). This hose is the fuel FEED line. This hose runs to the Y-Fitting and feeds both fuel rails.

This is Hose 5 (15.75" Long). This hose from the side of the FPR (remember the FPR is rotated 90 degrees) to the driver side fuel rail (connection facing the

Install your fuel pressure sensor or gauge here. Not included with the kit.





The other end of Hose 5 (15.75" Length) is connected to the driver side fuel rail here. This is the end of the fuel rail that faces the firewall.

The 150-degree fitting on the end of Hose 5 (15.75" Length) is connected to the side port on the FPR. Remember the FPR is rotated 90 degrees so this is the port that is facing up towards the hood.



- Reinsert the fuel pump fuse. Then crank the engine to build fuel pressure. Check all the connections for leaks.
- You are now finished installing the IAG PTFE Fuel Line kit.