

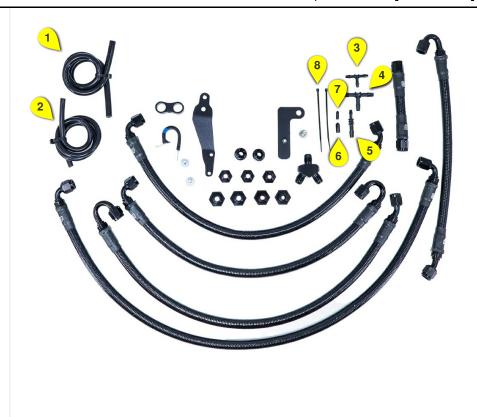
#### Step 1/20

# IAG-AFD-2215 IAG PTFE Fuel Line Kit for 08-14 WRX/08-21 STI for Use With IAG V3 TGV Housings/OEM TGV Housings

#### Part# IAG-AFD-2215

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).

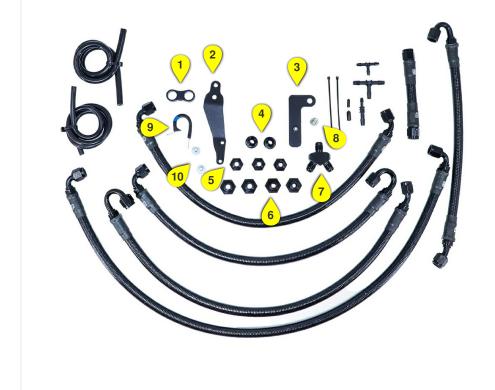
IAG Performance 1/11



#### Step 2/20

Numbered annotations (8)

- 1 2ft 3/16" Silicone Vacuum Hose
- 2 2ft 1/8" Silicone Vacuum Hose
- 3/16" Black Nylon T Fitting
- 4 1/4" Black Nylon T Fitting
- 5 3/16" x 1/4" Black Nylon Straight Reducer
- 6 3/16" Vinyl Cap
- 7 1/8" Vinyl Cap
- 8 2x 4" Ziptie

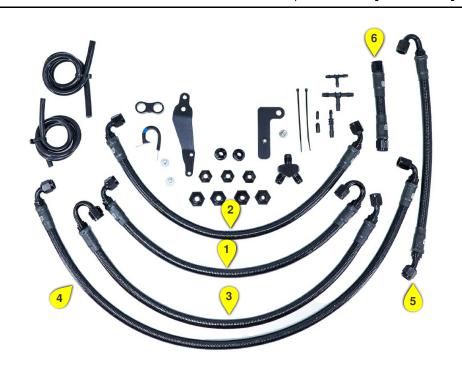


#### Step 3/20

Numbered annotations (10)

- Fuel Line Seperator
- FPR Bracket
- Fuel Line L-Bracket w/ M4x.70x12mm Button Head Torx Screw
- 4 2x 5/16" SAE Quick Disconnect
- 5 3x -6AN to -6ORB Straight Fitting
- 6 4x -6AN to -8ORB Straight Fitting
- 7 -6AN Billet Y Fitting
- M8x1.25x16mm Button Head Hex Screw
- 9 Adel-Style Hose Clamp
- 2x M6x1.00x16mm Hex Flange Screw

IAG Performance 2/11



# Step 4/20

Numbered annotations (6)

- Hose 1 20" x 90 deg x 180 deg PTFE Fuel Line
- Hose 2 22" x 90 deg x 60 deg PTFE Fuel Line
- Hose 3 25.125" x 45 deg x 180 deg PTFE Fuel Line
- Hose 4 33" x 90 deg x 90 deg PTFE Fuel Line
- Hose 5 15.25" x 30 deg x 150 deg PTFE Fuel Line
- Hose 6 5.50" x 0 deg x 0 deg PTFE Fuel Line



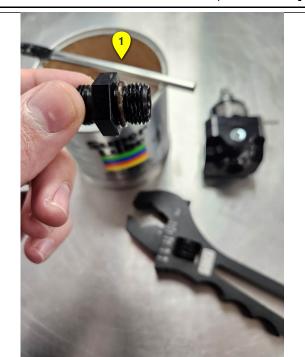
#### Step 5/20

Numbered annotations (1)

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

The -6ORB fittings (smaller) are installed in the IAG FPR.

IAG Performance 3/11



### Step 6/20

Numbered annotations (1)

ALWAYS apply lube to all o-rings during installation. Dry o-rings can tear and create leaks in the fuel system.



# Step 7/20

Numbered annotations (1)

Note that all fittings should be fully flush when installed properly. Do not over-tighten.

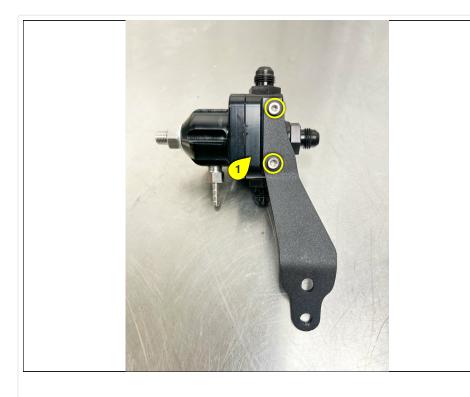
IAG Performance 4/11



### Step 8/20

Numbered annotations (1)

Fuel pressure sensor or fuel pressure gauge can be installed in front NPT port if you are using one.

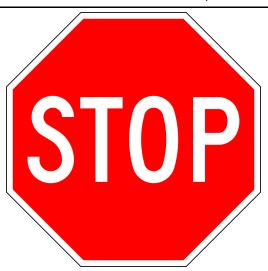


## Step 9/20

Numbered annotations (1)

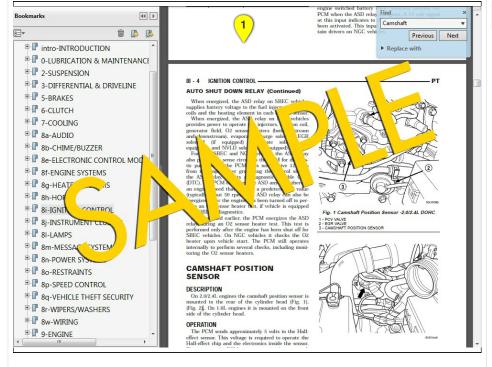
Install the FPR bracket using the hardware supplied with the regulator. Pay attention to the orientation of the bracket as shown.

IAG Performance 5/11



Reference the factory service manual for the following steps. As a reminder, professional installation is highly recommended for this product. You will be modifying the fuel system of your vehicle and improper installation can cause injury and damage to the vehicle if improperly installed.

Step 10/20



## Step 11/20

Numbered annotations (1)

Pull the fuel pump fuse and crank the care until it stalls. Attempt to start the vehicle a second time. This will relieve the majority of the fuel pressure.

Remove the factory intake manifold.

Remove the factory TGV's.

Remove the factory fuel lines.

IAG Performance 6/11

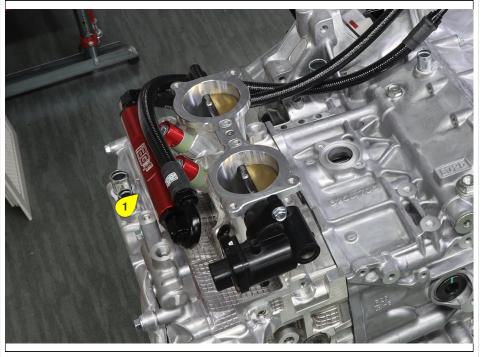


#### Step 12/20

Numbered annotations (1)

Driver side fuel rail has Hose 1 (20" x 90 deg x 180 deg) installed at front of rail using 180 deg fitting.

Hose 5 (15.25" x 30 deg x 150 deg) is installed in rear of passenger fuel rail using the 30 deg fitting.



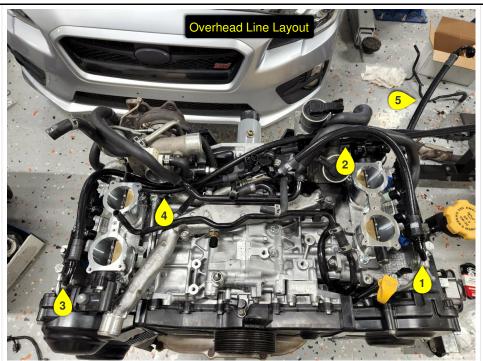
# Step 13/20

Numbered annotations (1)

Passenger side fuel rail has Hose 3 (25.125" x 45 deg x 180 deg) installed at front of rail using 180 deg fitting.

Hose 4 (33" x 90 deg x 90 deg) is installed in rear of passenger fuel rail.

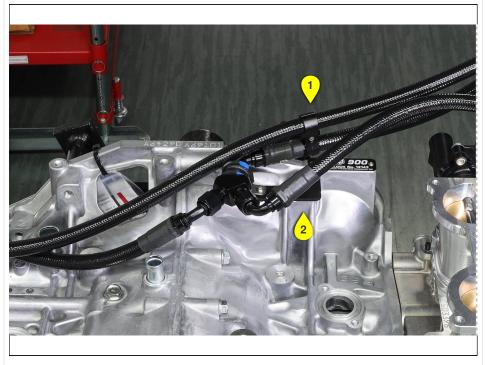
IAG Performance 7/11



#### Step 14/20

Numbered annotations (5)

- 1 Hose 1 (20" x 90 deg x 180 deg)
- 2 Hose 2 (22" x 90 deg x 60 deg)
- 3 Hose 3 (25.125" x 45 deg x 180 deg)
- 4 Hose 4 (33" x 90 deg x 90 deg)
- 5 Hose 5 (15.25" x 30 deg x 150 deg)



# Step 15/20

Numbered annotations (2)

- 1 Install hose separator here.
- L-Bracket installed with adel style hose clamp securing Y-Fitting.

IAG Performance 8/11

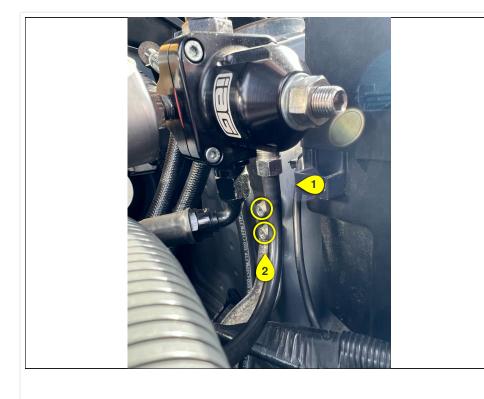


### Step 16/20

Numbered annotations (1)

1 !!!For 08-14 WRX ONLY!!!

Push/Bend bracket down so line lays on air pump hose.



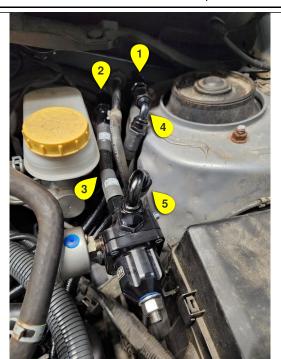
# Step 17/20

Numbered annotations (2)

Connect your FPR to a vacuum source.

Install the FPR Bracket using the included M6x1.00mmx16mm screws.

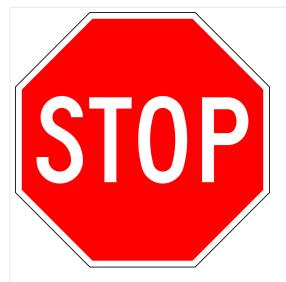
IAG Performance 9/11



#### Step 18/20

Numbered annotations (5)

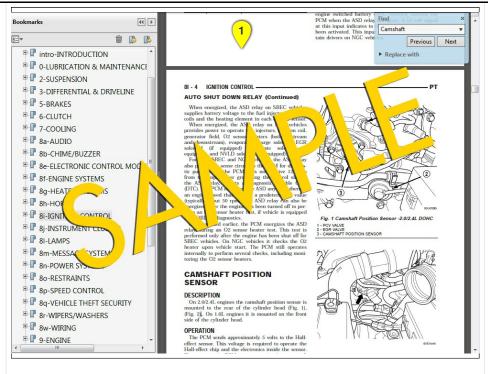
- 1 Install 5/16" SAE disconnect to -6 AN Male fitting here. This is the fuel FEED line.
- Install 5/16" SAE quick disconnect to -6 AN Male fitting here. This is the fuel RETURN line.
- Hose 6 (5.50"x 0 deg x 0 deg) is installed in the bottom port of the FPR. Keep in mind the FPR is rotated 90 degrees for installation so the port facing the firewall is actually the bottom/return port.
- This is Hose 2 (22" x 90 deg x 60 deg). This is the fuel FEED line and runs to the Y-fitting to feed both fuel rails.
- This is Hose 5 (15.25" x 30 deg x 150 deg). This runs to the rear of the driver side fuel rail.



Reference the factory service manual for the following steps. As a reminder, professional installation is highly recommended for this product. You will be modifying the fuel system of your vehicle and improper installation can cause injury and damage to the vehicle if improperly installed.

Step 19/20

IAG Performance 10/11



# Step 20/20

Numbered annotations (1)



Reinstall the intake manifold.

Reinsert the fuel pump fuse.

Crank the engine to build fuel pressure.

Check all connections for leaks.

You are now finished installing the IAG PTFE Fuel Line kit.

IAG Performance 11/11