



**IAG V2 Top Feed TGV Housings (02-14 WRX, 07+ STI, 07-12 LGT, 09-13 FXT)**

**Part# - IAG-AFD-3010SL / IAG-AFD-3010BK**

Thank you for choosing the IAG V2 Top Feed TGV Housings. 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
IAG Billet Dual Injector TGV	2	
IAG Flip Chip for Intake Manifold Bolts	2	Used in 1 of 2 orientations to fit various intake manifolds
M4 x 12mm Flat Head Hex Screw	2	Used to secure flip chip to the TGV
M8x25mm Socket Head Bolt	8	Mounts TGV to cylinder head
M8 Washers	8	Used w/ M8x25 socket head bolts to mount TGV to cylinder head
IAG Lower Nitrile Gaskets	2	Used between TGV housing and cylinder head

IAG V2 TGV Set as it comes packed.

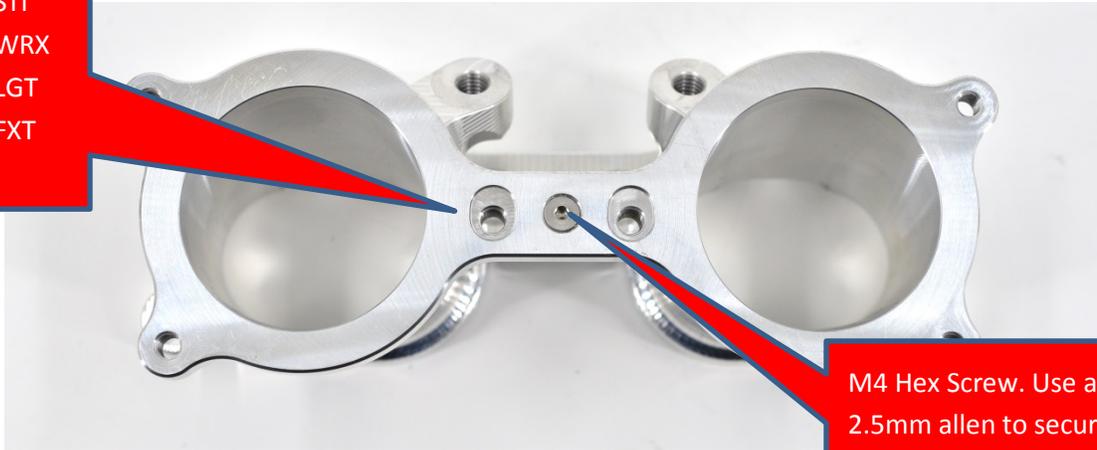




1. Based on your application, install the included “flip chip” into each TGV housing using the (x2) supplied M4 hex screws. Pay close attention to the orientation as different models years / applications require the orientation one of two ways as illustrated below.

This orientation fits:

- 2007-20 STI
- 2008-14 WRX
- 2007-12 LGT
- 2009-13 FXT



M4 Hex Screw. Use a 2.5mm allen to secure the flip chip

The “flip chip” shown in alternate installation.

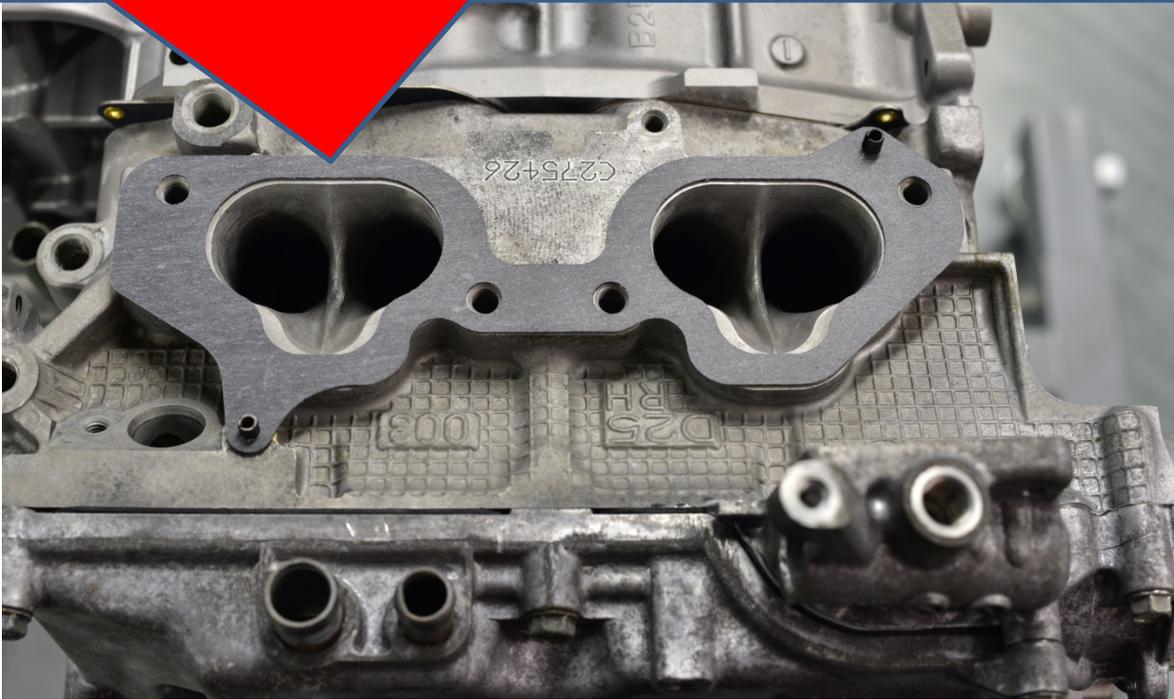


This orientation fits:

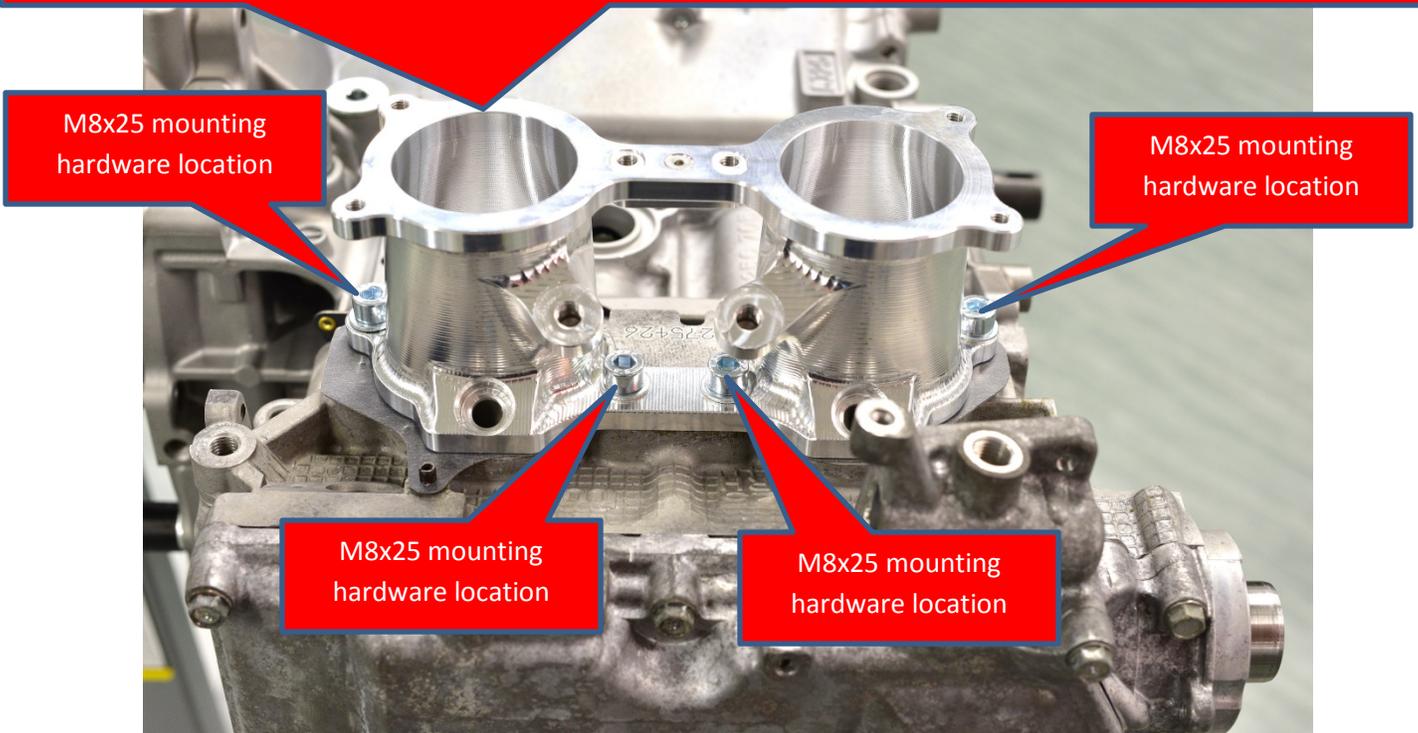
- 2002-07 WRX
- 06-08 FXT

M4 Hex Screw. Use a 2.5mm allen to secure the flip chip

2. Next, making sure the cylinder head port gasket surface is clean and free of defects place the each of the included gaskets on the cylinder head.



3. Next, carefully place each TGV on the cylinder head. Use (x8) of the included M8x25 hex head bolts to secure the each TGV on to your engine as shown below. Torque the bolts to 18.4 ft/lbs.

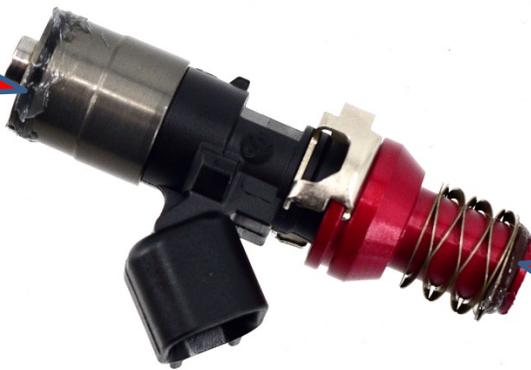


Note: In 2015, Injector Dynamics released an updated top feed fuel injector body and the instructions below explain how to install their top feed injectors using IAG TGV's with stock fuel rails or IAG fuel rails.



Picture shows the New Injector Dynamics top feed injector body (left) versus the old ID injector body (right).

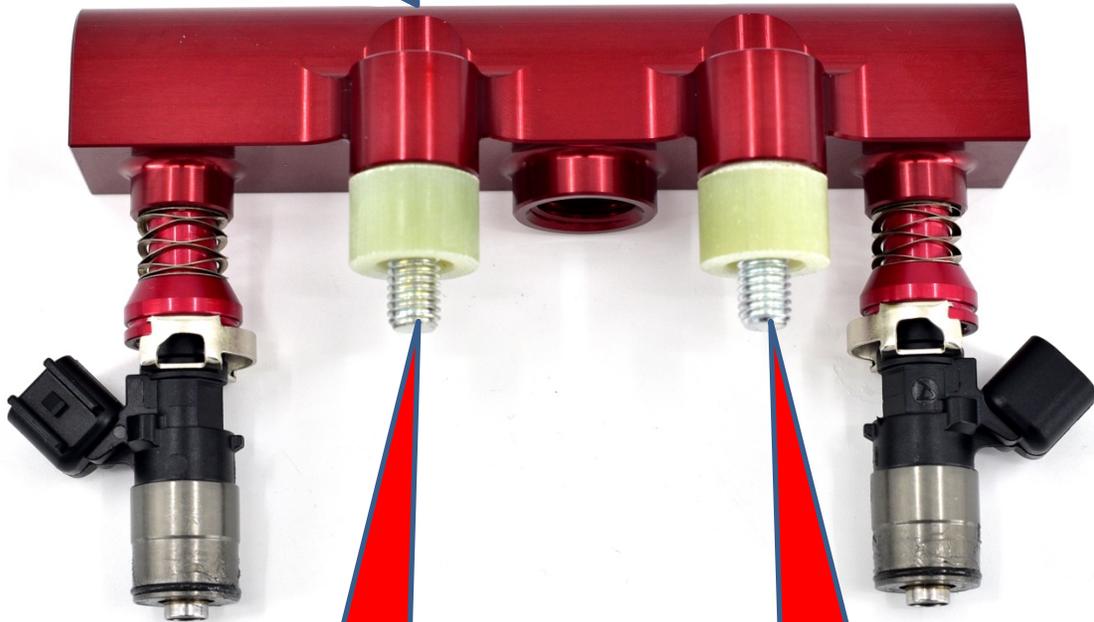
4. Using an o-ring lubricant like "Super Lube" apply a thin layer around the lower injector adapter o-ring for each injector. This helps protect the o-ring from damage during install.



Apply a thin layer of o-ring lube around the upper injector adapter o-ring for each injector. This helps protect the o-ring from damage during install.



5. If using IAG v2 Top Feed Fuel Rails, your fuel rail kit includes a small and large phenolic spacer set to account for different length injectors. In the image below the ID 1700 injectors are shown with large phenolic spacers.



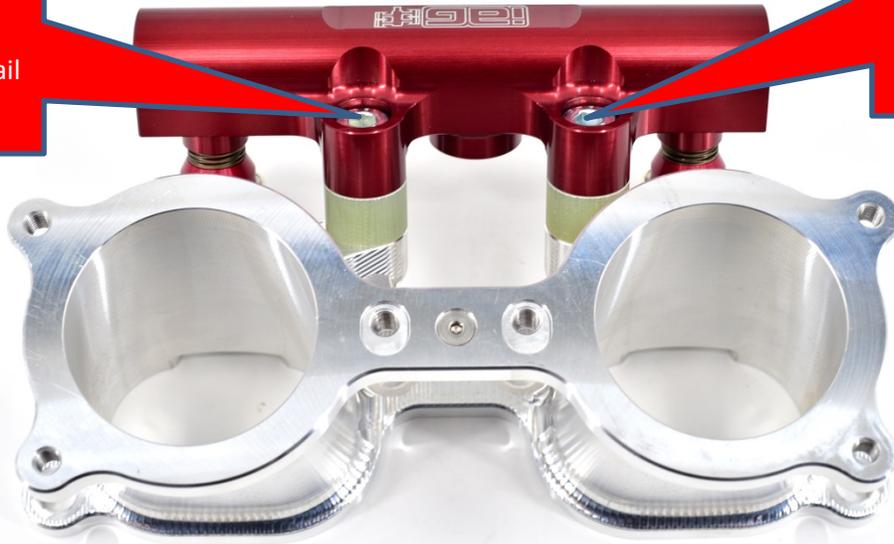
M8x30 Socket head bolt place through the fuel rail with large phenolic spacer shown

M8x30 Socket head bolt place through the fuel rail with large phenolic spacer shown



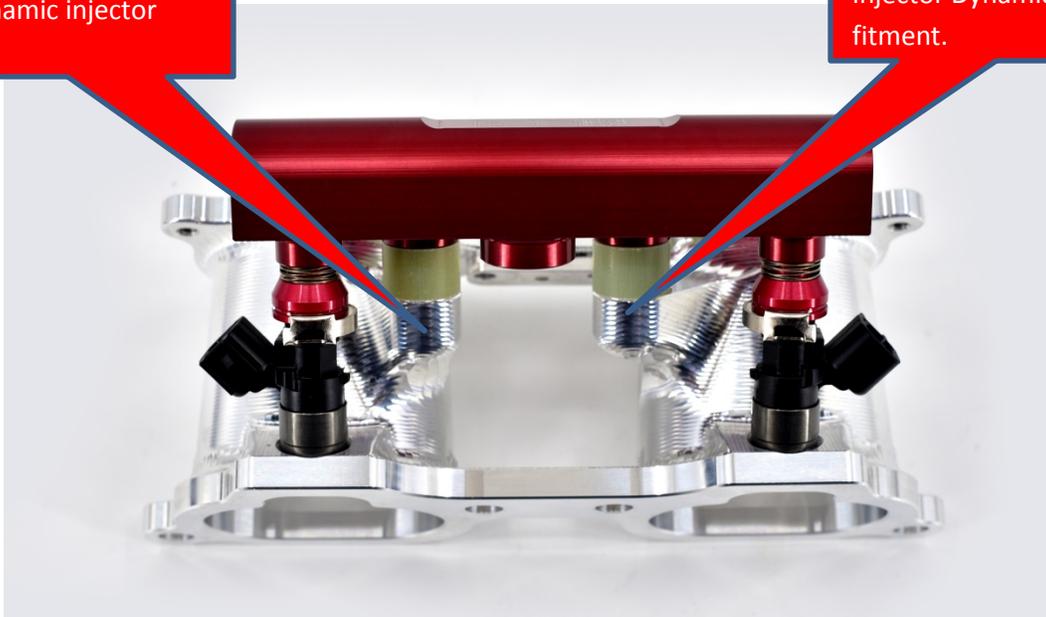
M8x30 Socket head bolt place through the fuel rail with large phenolic spacer shown. \*Bolt is included with fuel rail set.

M8x30 Socket head bolt place through the fuel rail with large phenolic spacer shown\*Bolt is included with fuel rail set.



6. Shows IAG Fuel Rail to TGV mounting points with (x2) large phenolic fuel rail spacers. Also illustrates Injector Dynamic injector fitment.

Shows IAG Fuel Rail to TGV mounting points with (x2) large phenolic fuel rail spacers. Also illustrates Injector Dynamic injector fitment.





If you are using the stock fuel rails, you may simply install them onto the V2 TGV Housing using the OE fuel rail hardware.



7. Install the OEM intake manifold hardware using the factory torque specifications which is 6.1 ft/lbs.

