



Install Instructions Billet Power Blocks:
2013-17 Crosstrek 2.0i / 2012-2016 Impreza 2.0i / 2013 & 2014 Subaru Outback 2.5i /
2011 - 2016 Subaru Forester 2.5i / 2013 & 2014 Subaru Legacy 2.5i (B0401)

B0401 Parts List

Item #	Qty	Description
B0404	1	Left and Right Side Power Blocks
O0612	4	Power Block O-Ring Seals
B0203	8	M6-1.00x70 Bolts for Intake Manifold
P0400	1	EGR Pipe Extension
H0470	1	3/8" PCV Hose Extension - 13"



We recommend running mid-grade to premium fuel for best results.

Tools Needed:



- 10mm Socket / Ratchet
- Socket Extender
- Flathead Screwdriver
- Phillips Screwdriver
- Pliers

Step by Step:

1. Disconnect Ground (-) on Battery
2. Disconnect Intake
 - a. Locate the hose that goes in to the plastic box on the driver's LH side of the intake manifold, pictured below. Use pliers to open clamp, hold it open, and slide it towards you. Pull off hose off nipple.



b. Use a Phillips screwdriver to remove the screw on the manifold tab.



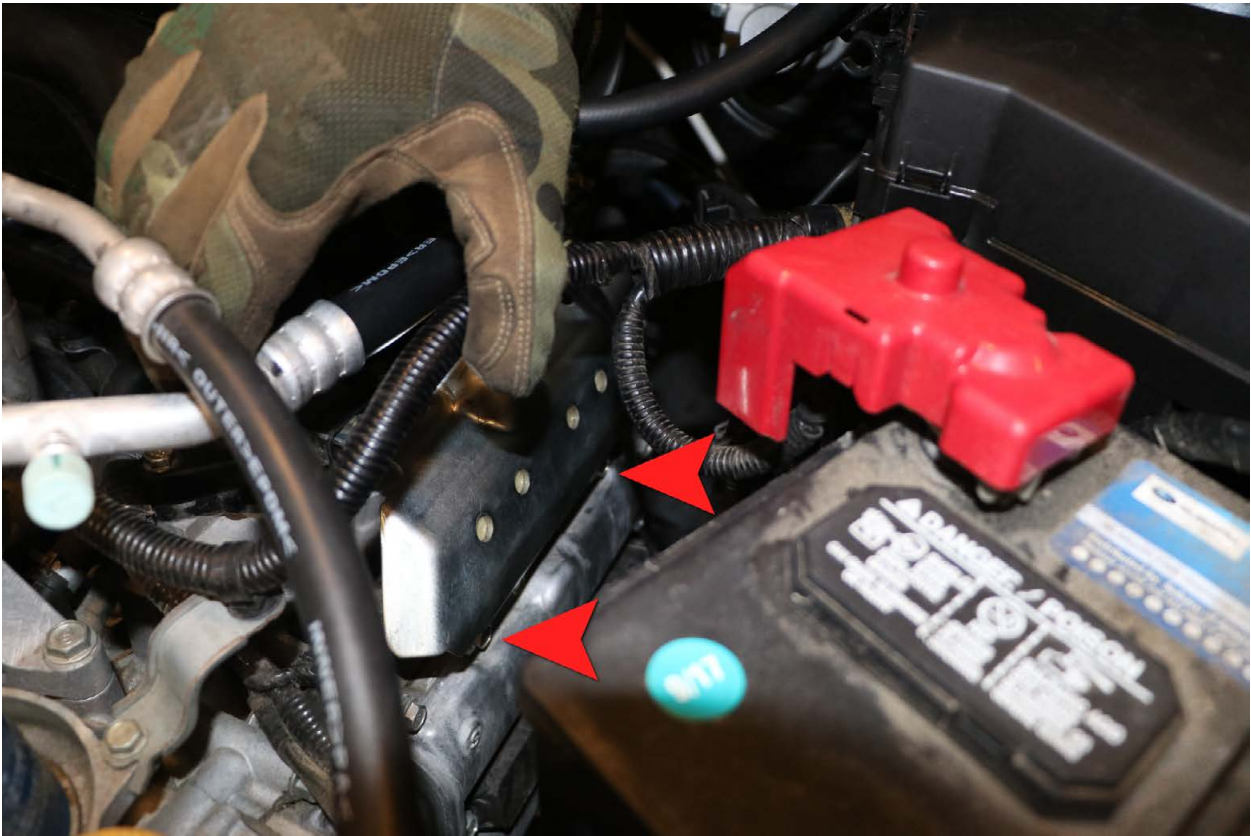
c. Use a flathead screwdriver to loosen the 2 worm clamps.

d. Lift off the entire intake assembly and set aside.

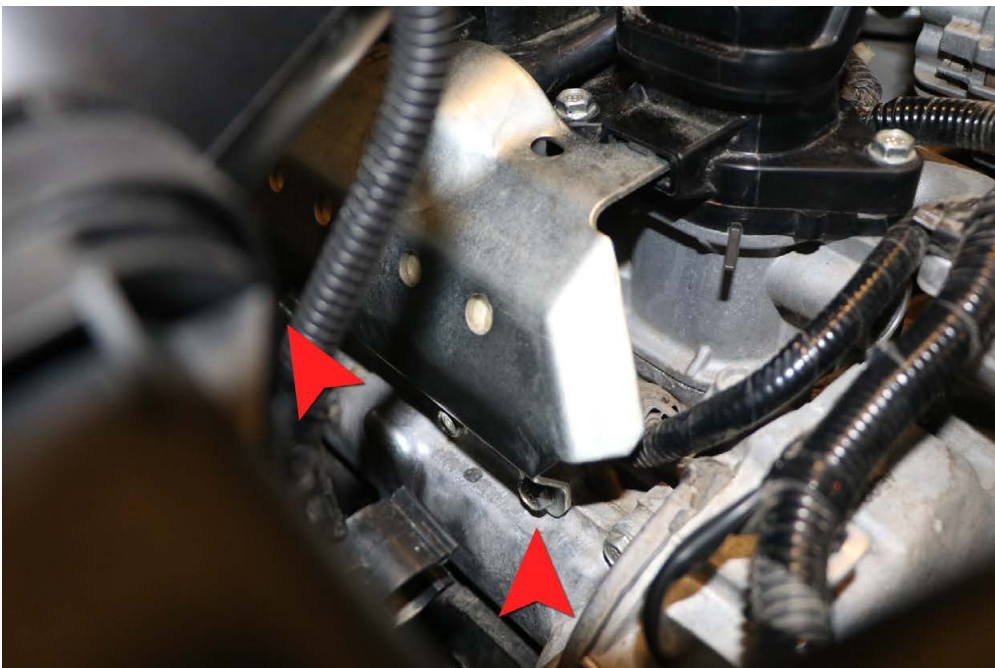


3. Remove Fuel Rail Crash Guards

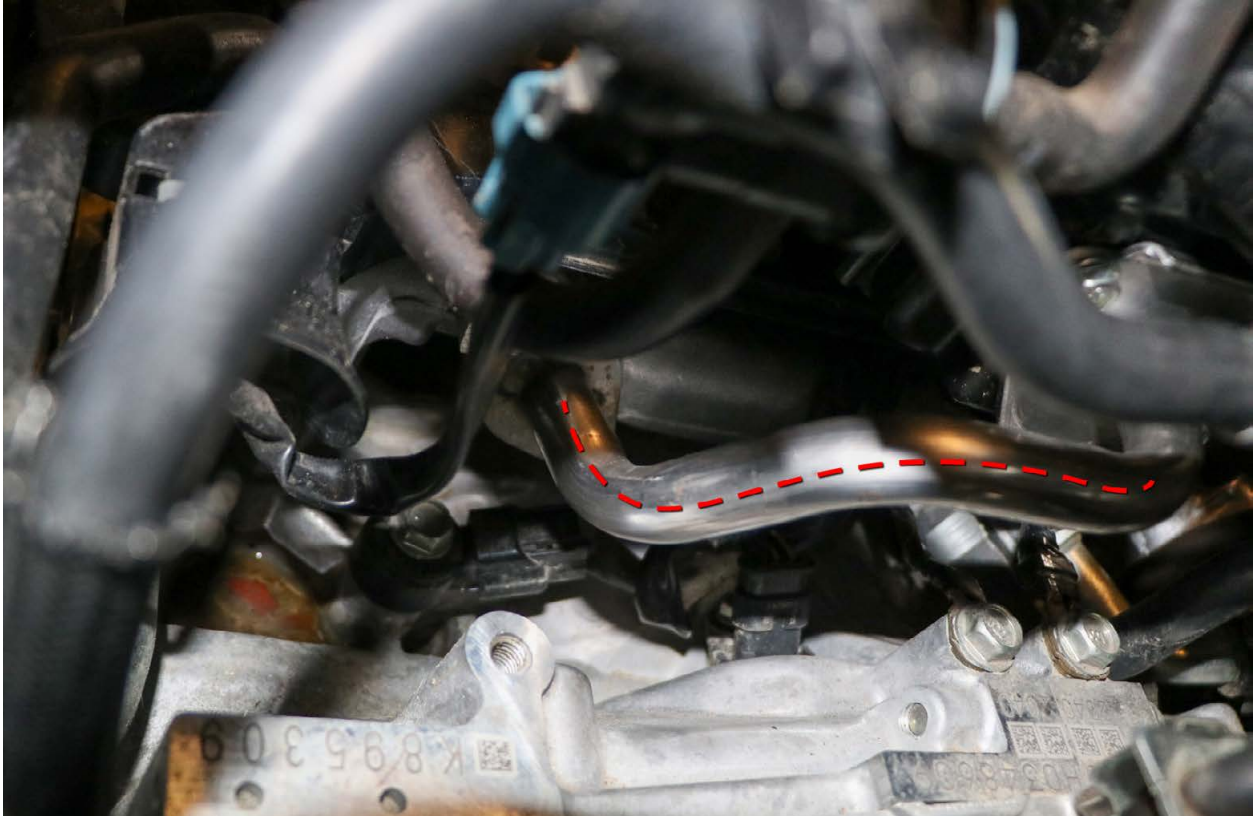
- a. On the Driver's LH Side of the Intake Manifold, locate the 2 mounting bolts for the metal fuel rail crash guard. Use a 10mm socket and extender with a wobble head for easiest removal.



- b. Repeat for the Driver's RH Side.



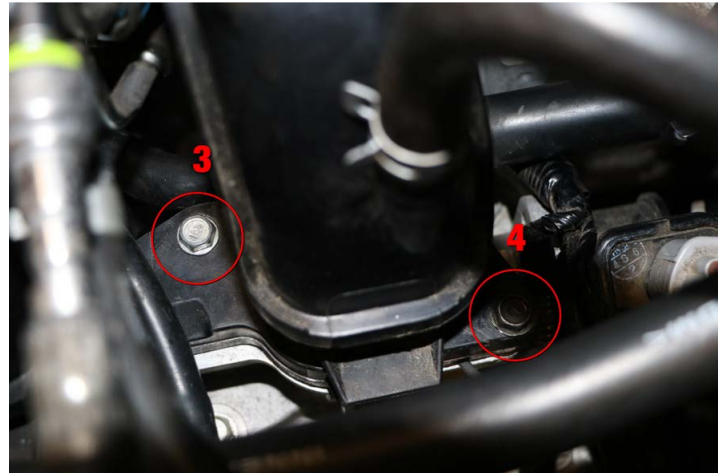
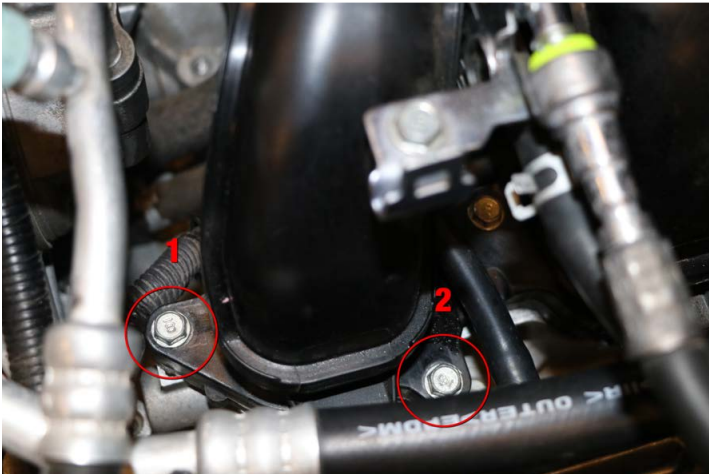
4. Remove the EGR pipe on the backside of the intake manifold underneath the throttle body, marked below.



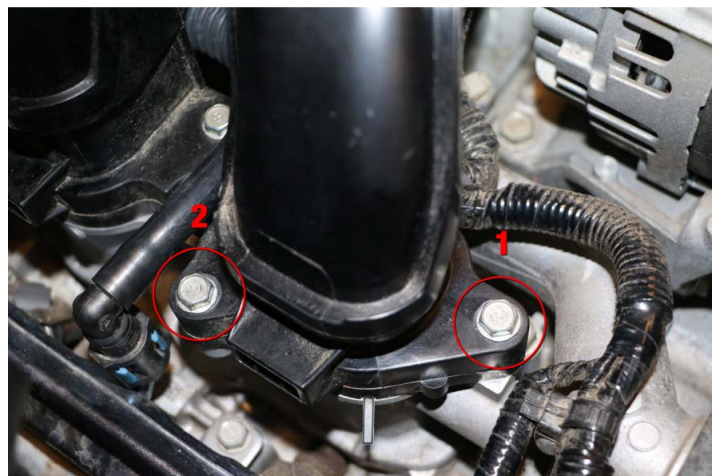
- a. Locate the 2 bolts on the top of the EGR pipe and remove, using a 10mm socket on an extender. Use your fingers once the nuts are loose so that they do not fall in to the engine bay.
- b. Locate the 2 nuts on the bottom of the EGR pipe and remove, using a 10mm socket on an extender. Use your fingers once the nuts are loose so that they do not fall in to the engine bay.
- c. **At this point, do not yet remove the pipe.**

5. Remove 8 mounting bolts from the intake manifold, 4 on each side. These will not be reinstalled, but we recommend storing them in case you need to later revert your vehicle back to stock.

a. Remove 4 bolts from Driver's LH Side



b. Remove 4 bolts from Driver's RH Side

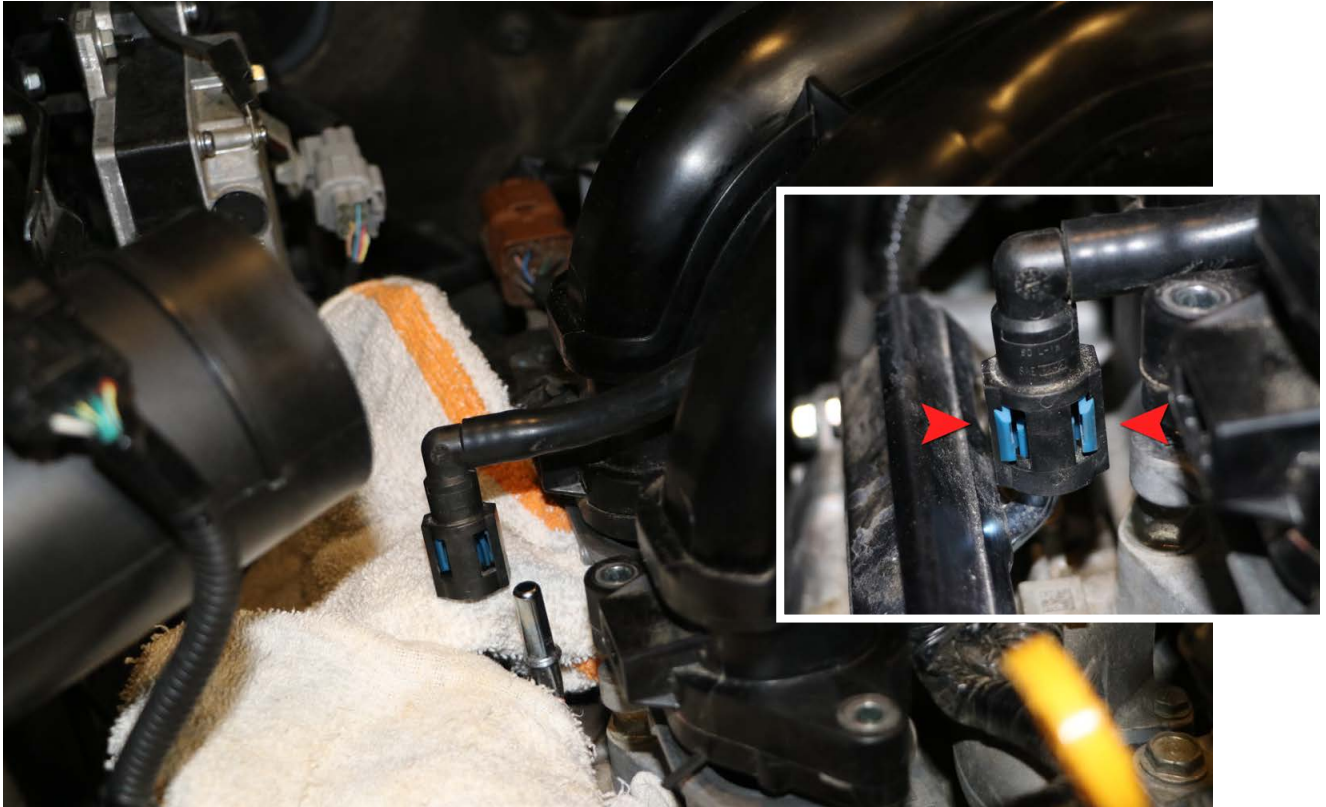


6. Disconnect Fuel Lines on either side of the intake manifold.

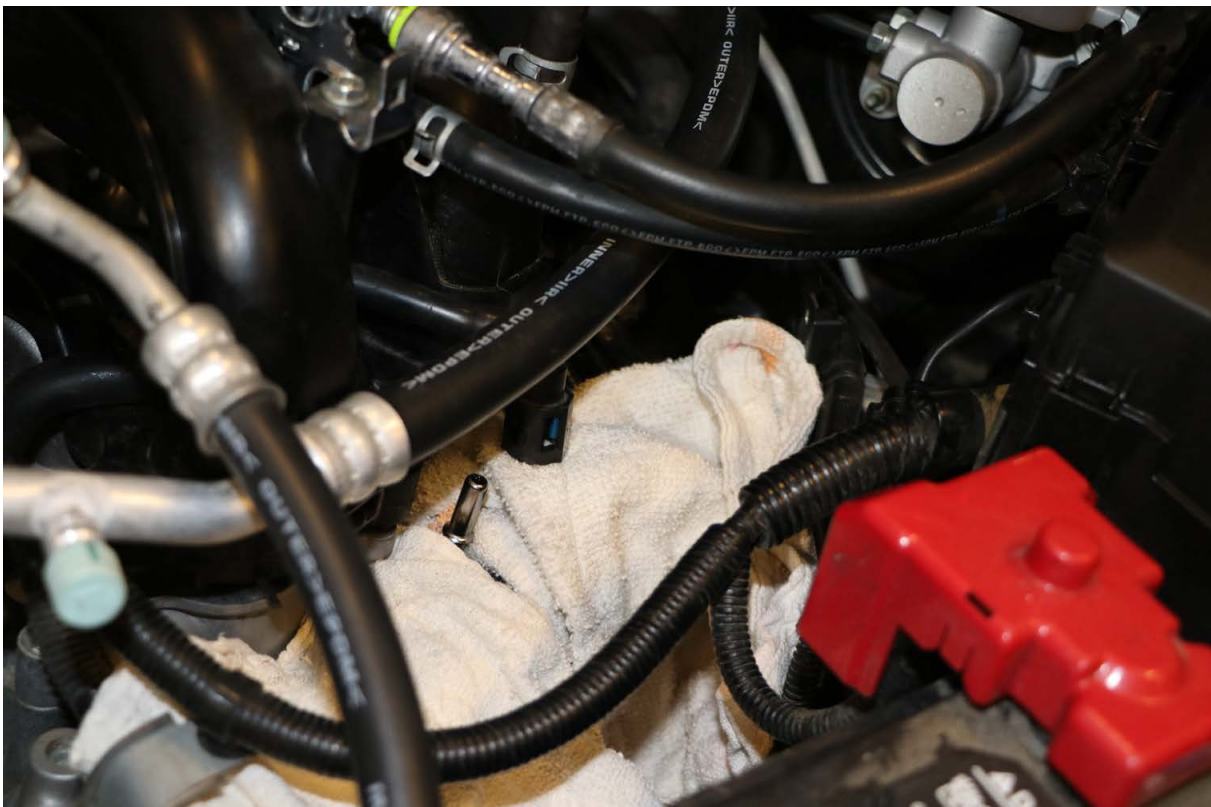
a. (Optional) If you have some spare rags, you can place them underneath the fuel rails to catch any drops of fuel that may come out during this step.



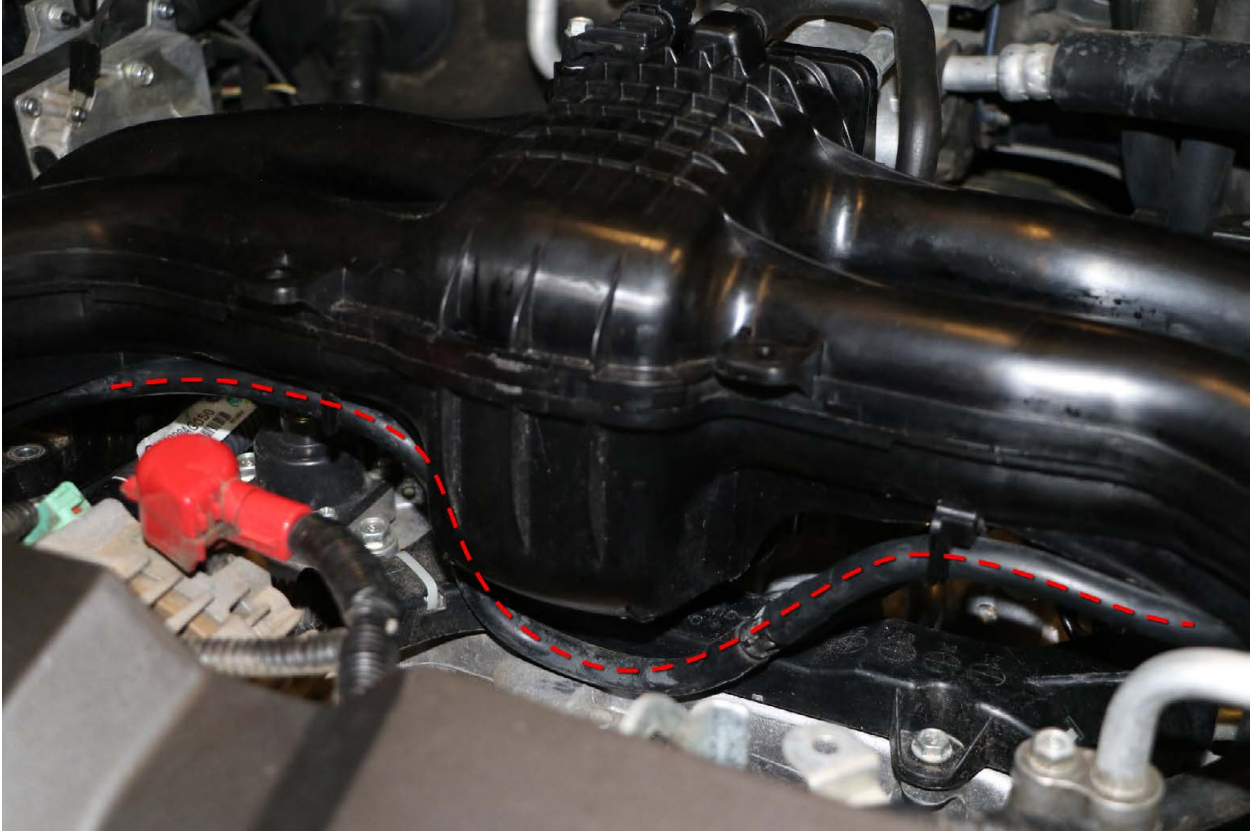
b. Disconnect the fuel lines on the Driver's RH Side by pinching blue tabs while pushing them in, and then pull off of nipple.



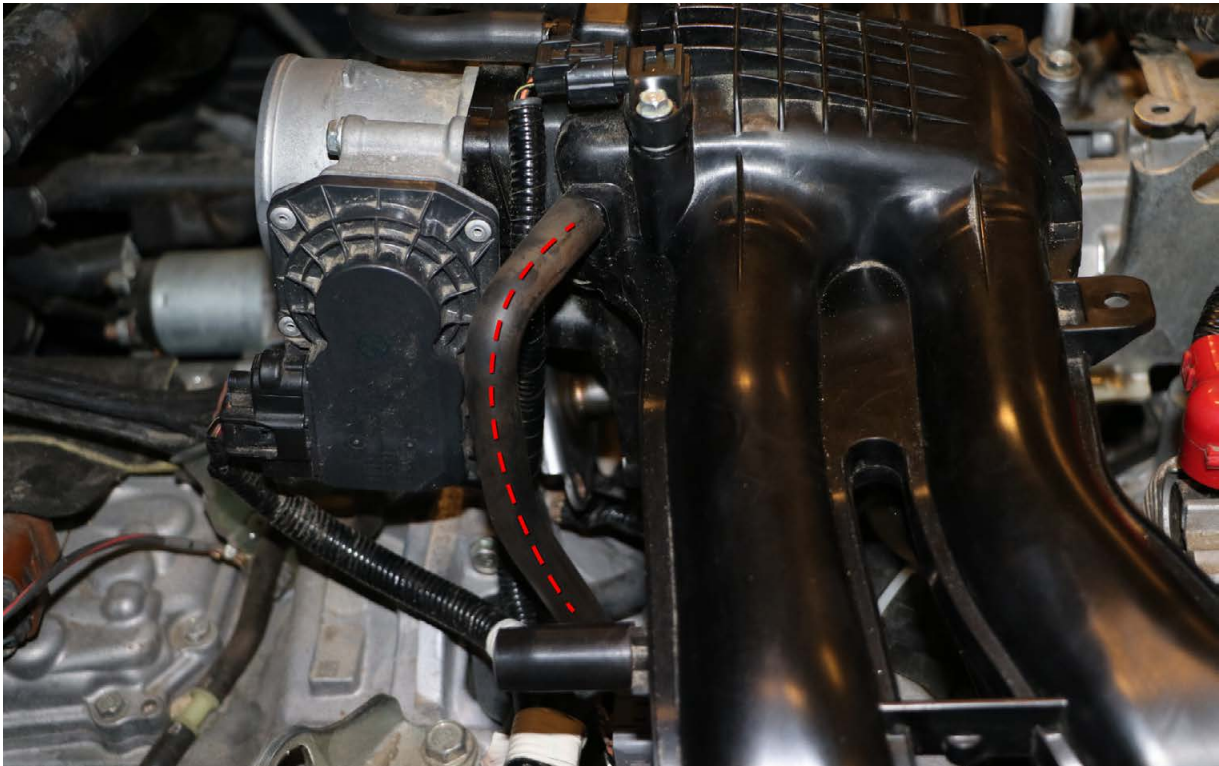
c. Repeat the same process for the line on the Driver's LH Side.



d. Pop the fuel line marked below out of its clips underneath the intake manifold.



7. Remove the PCV hose marked below by pulling it off. This part will not be reinstalled, but we recommend storing it in case you need to later revert your vehicle back to stock.



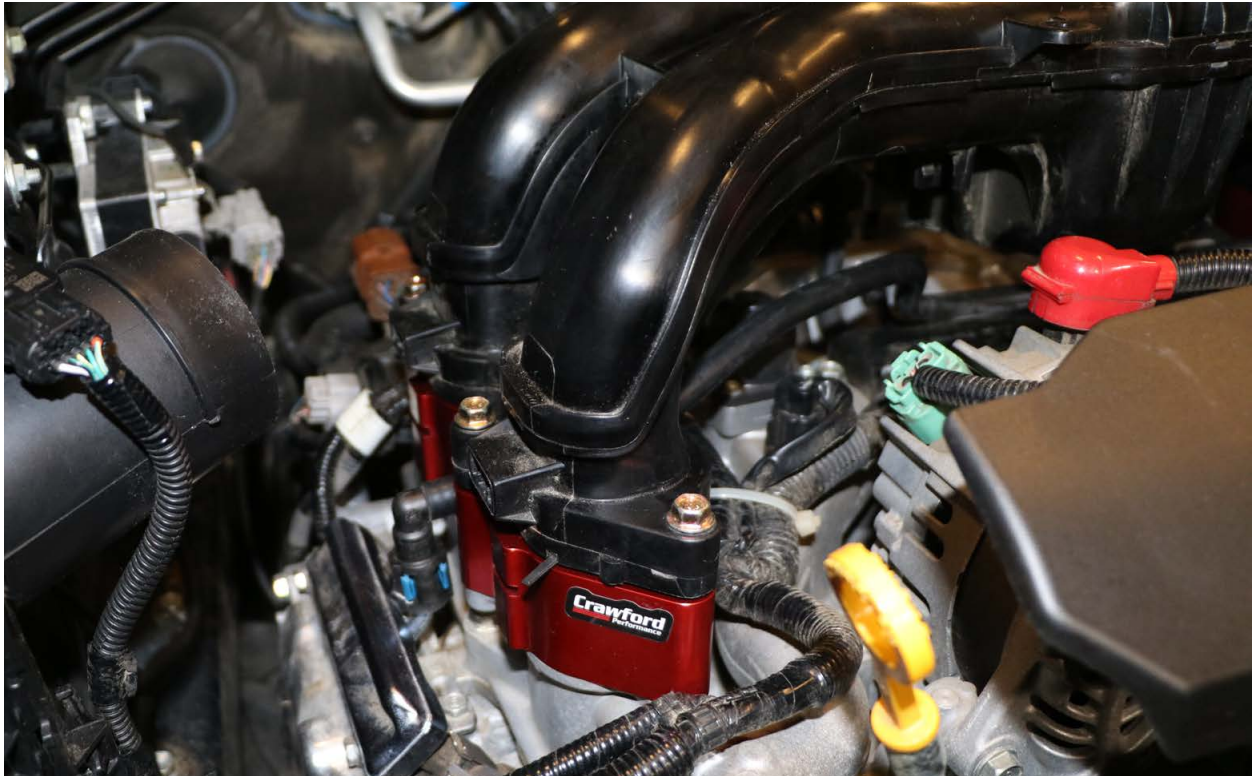
8. Insert 4 supplied o-ring seals by pressing them into the grooves on the bottom of the blocks. Make sure each one is seated and fully inserted into the grooves.



9. While lifting up the Intake Manifold, rotate EGR Pipe 180° to release it, and pull out. This part will not be reinstalled, but we recommend storing it in case you need to later revert your vehicle back to stock. Make sure the gasket pictured below stays in place.



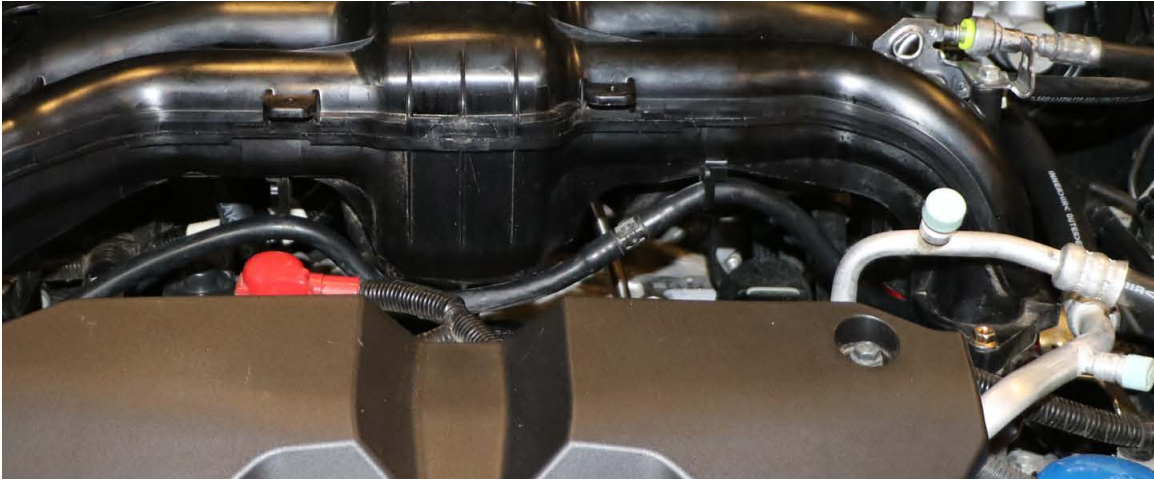
10. Lift up manifold and place blocks, with the fuel lines running between the 2 openings in the block. Be sure to do this step quickly and preferably in a clean environment as to avoid any contaminants entering your cylinder heads.



- b. Place each block gasket side down on to the heads, matching up the marked position with the corresponding head.
- c. Set the intake manifold back down on top of the blocks.

*****Your OEM Intake Manifold Gaskets are reusable if still in good condition. Inspect the gaskets to check if they need replaced while the manifold is disconnected. If so, replacement sets are available on our site or at your local Subaru dealership. If you finish your install and get CEL code P050A, this is most likely the cause.**

- 11.** Replace the Fuel lines on either side, and into the clips underneath the intake manifold. Due to the new height, both clips may not reach. In this case, just make sure the line is at least secure in one of the clips. Alternatively, you can rotate the line so that it routes in front of the manifold. This way, it will reach both clips.

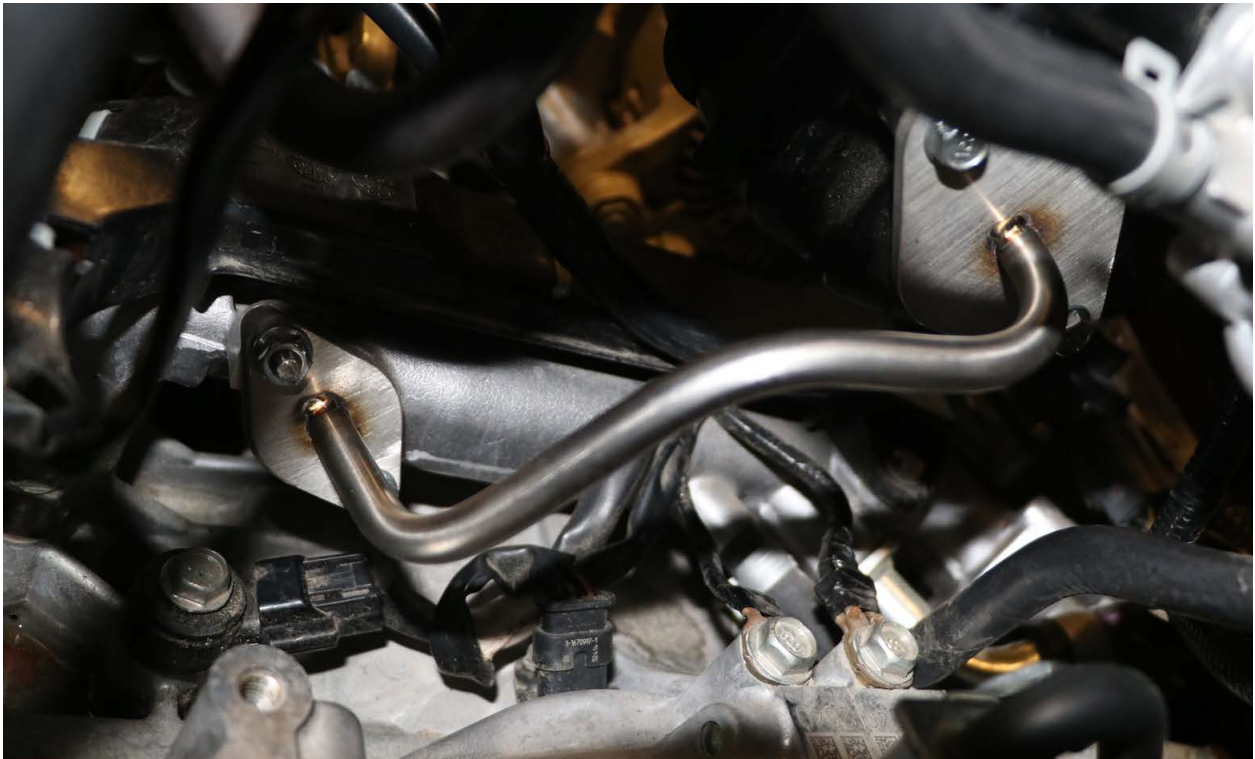


- 12.** Place all 8 supplied bolts into the intake manifold, and tighten them half way.

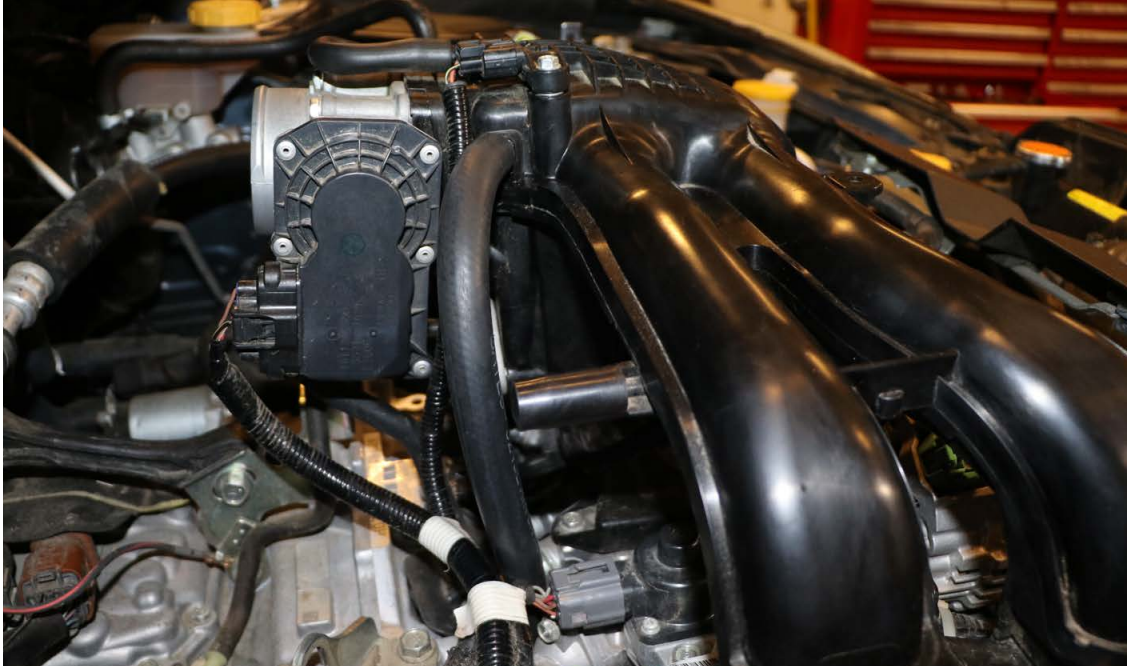
- 13.** Install supplied EGR pipe.

a. Double check the the pre-existing gasket is still in place.

b. Place nuts and bolts back in to place, loosely tightening both. First, tighten the bolts fully, then tighten nuts fully.



- 14.** Once the EGR Pipe is securely in place, go back around and tighten all 8 manifold bolts completely, at the OEM torque spec.
- 15.** Attach supplied longer PCV hose to the nipple on the intake manifold, to the port on top of the block. Push the hose on each connection point as far as you can. If you have our Air/Oil Separator Installed, skip this step.



- 16.** Reinstall Crash Guards. Refer to step 3 for guidance.
- 17.** Reinstall intake by tightening both clamps, replacing the screw on the plastic manifold tab, and replacing the hose and its clamp. Refer to step 2 for guidance.
- 18.** Double check that everything is tight and secure, reconnect ground on battery, and enjoy the gains!

If you have any questions, feel free to email us at technical@crawfordperformance.com or give us a call at 855-67-SUBIE (78243) Ext. 1.



Thank you for choosing Crawford Performance!