



Installation Instructions

Crawford Baja Edition Air Oil Separator Kit

17+ Impreza 2.0i, 18+ Crosstrek 2.0i



S0613-1 Parts List

Item #	Qty	Description
S0613-C	1	Air/Oil Separator Canister:
H0470	20"	3/8" Ventilation Hose: From Port #1 (Top) to side of intake manifold
H0470	12"	3/8" Ventilation Hose: From Port #2 (Bottom) to PCV valve on top of block
B0013	2	Mounting Bolt - M8 1.25 x 110 MM grade 10.9
B0407-1-R	1	25 MM Stand-off
B0407-2-R	1	45 MM Stand-off
B0407-3-R	1	70 MM Stand-off



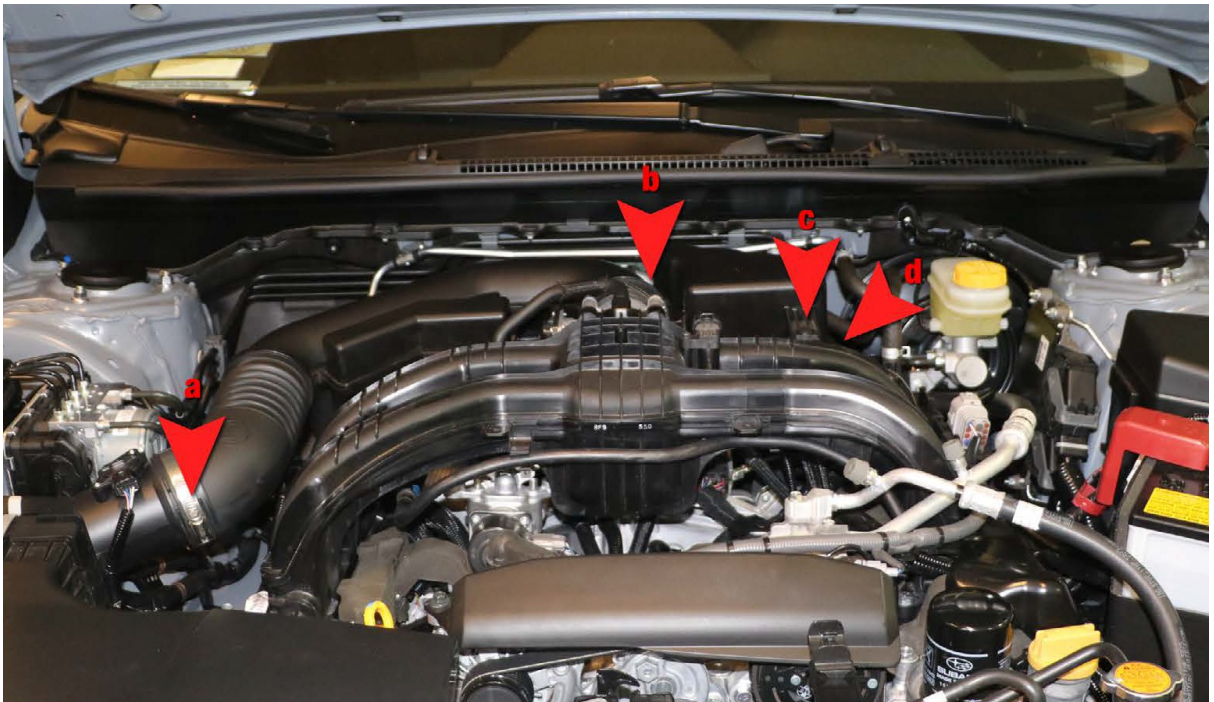
Tools Needed



- Flathead Screwdriver
- 12mm Socket / Ratchet
- Pliers

Step by Step:

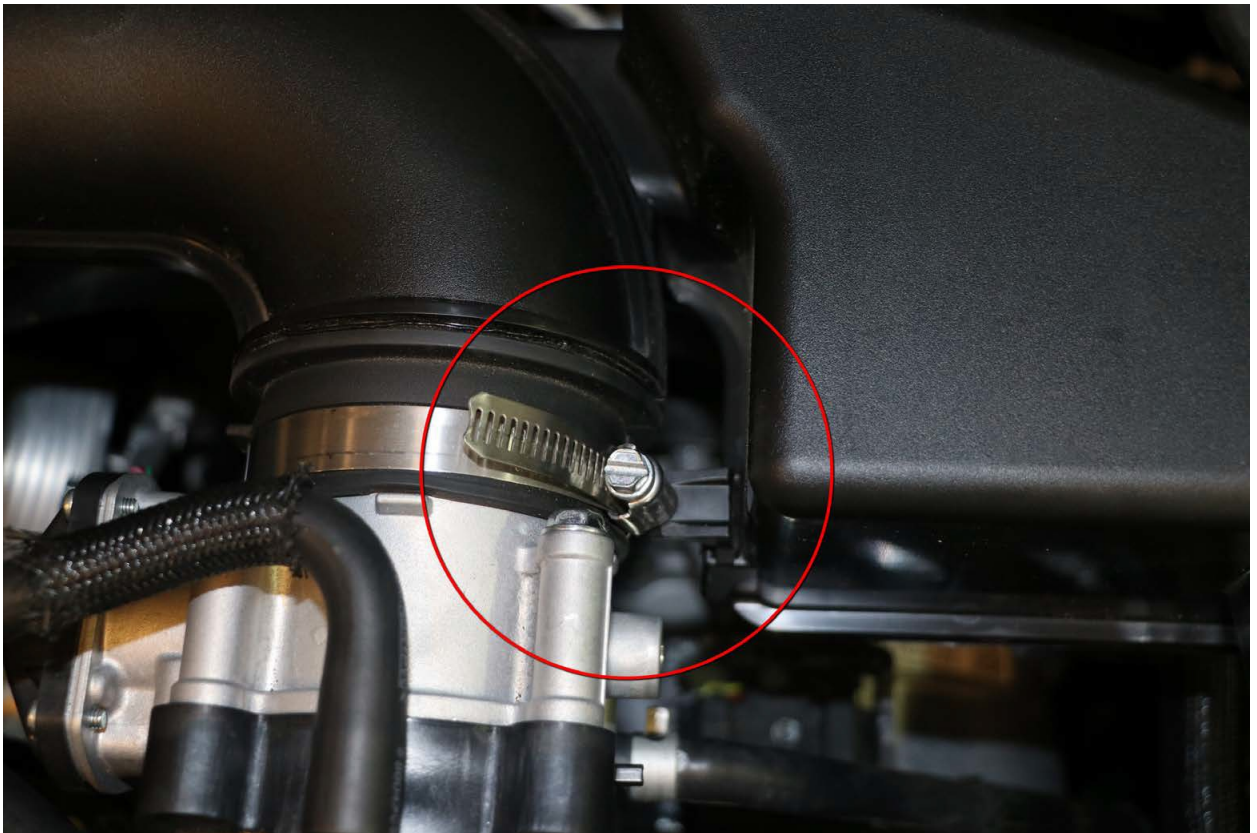
1. Remove the Intake.



a. Use a flathead screwdriver to loosen the clamp by the air box.



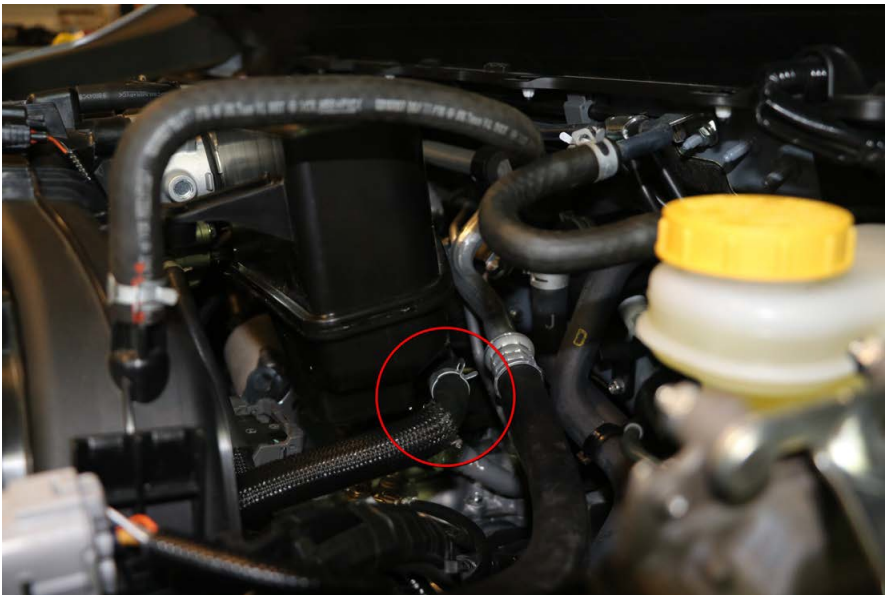
b. Use a flathead screwdriver to loosen the clamp by the throttle body



c. Place a flathead screwdriver in the groove and rotate to pop off plastic cap

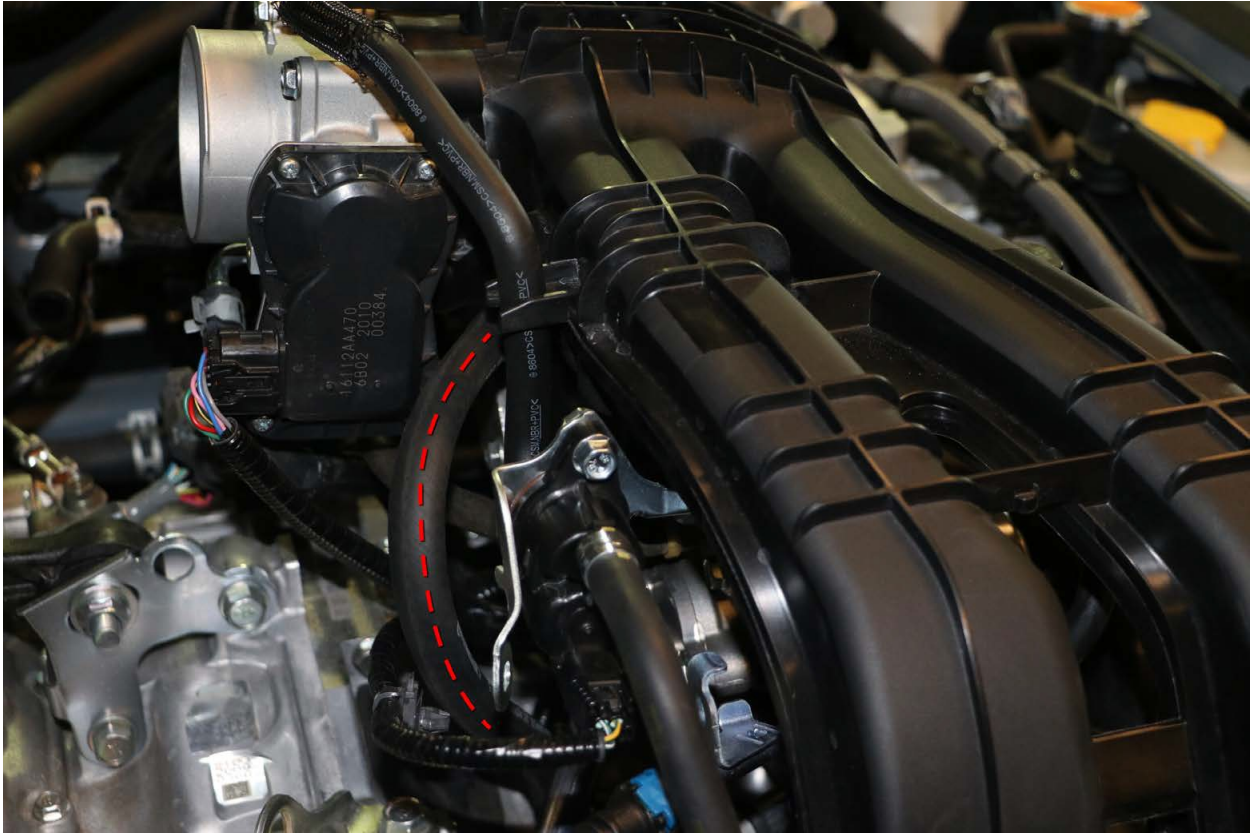


d. Use pliers and squeeze clamp open, while pulling clamp towards you. Pull hose off nipple.

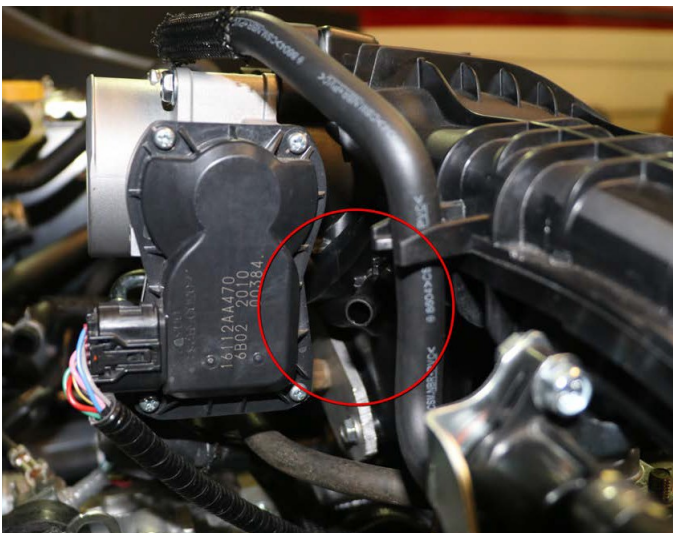


Pull off the intake assembly and set aside.

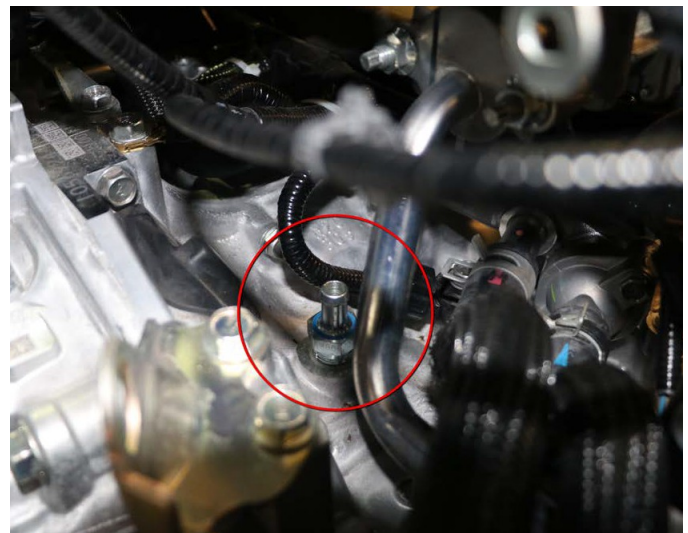
2. Locate the PCV hose that runs from the back of the intake manifold to the top of the block, marked with a red dashed line below. Pull the hose off.
This will not be re-installed. Store in case you would like to un-install the kit and put the car back to stock in the future.



Notice the 2 ports that are now exposed:

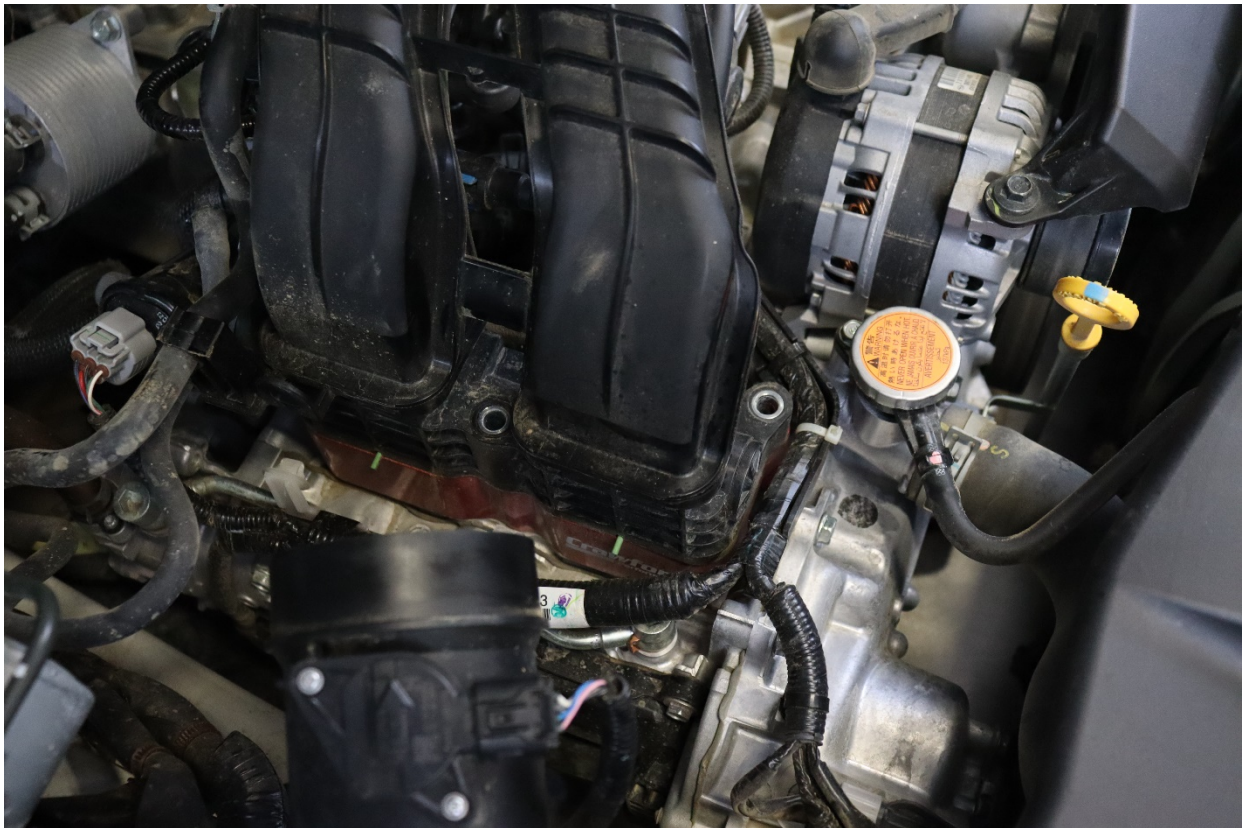
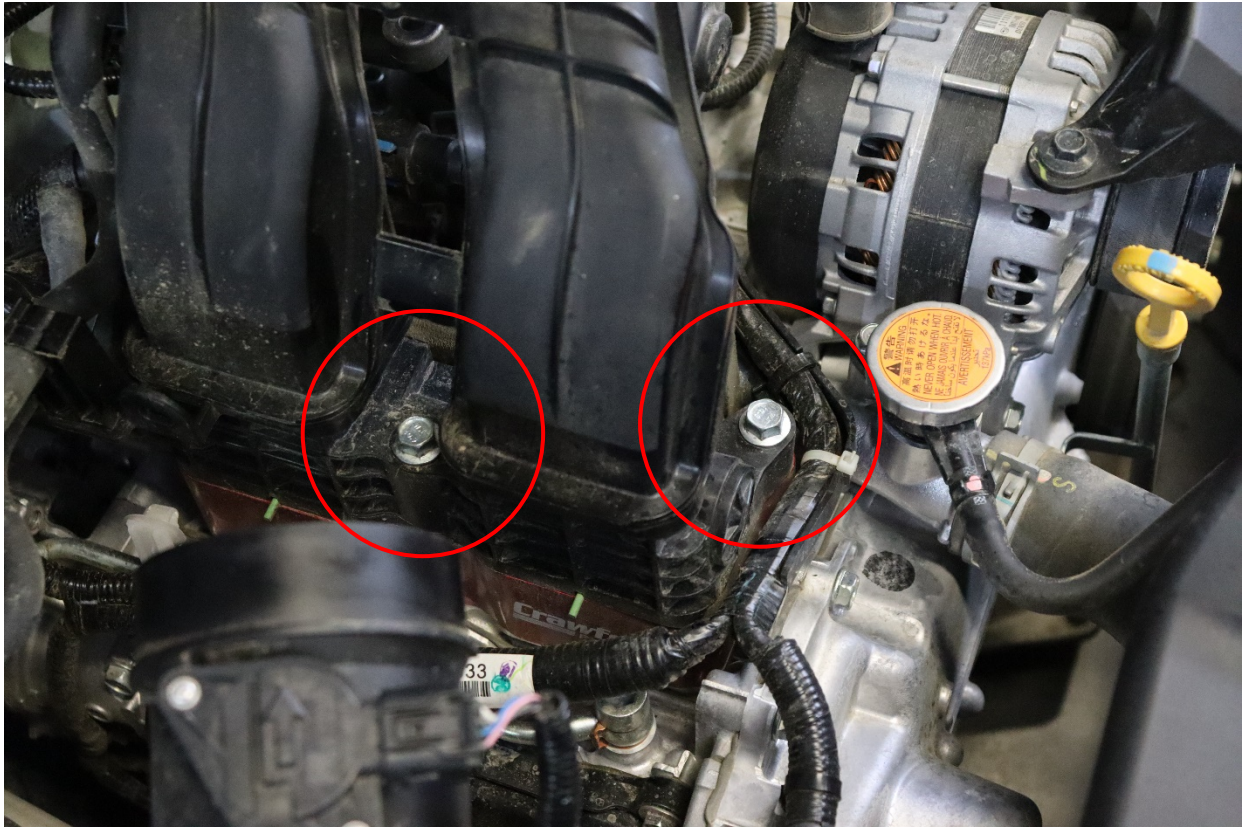


A



B

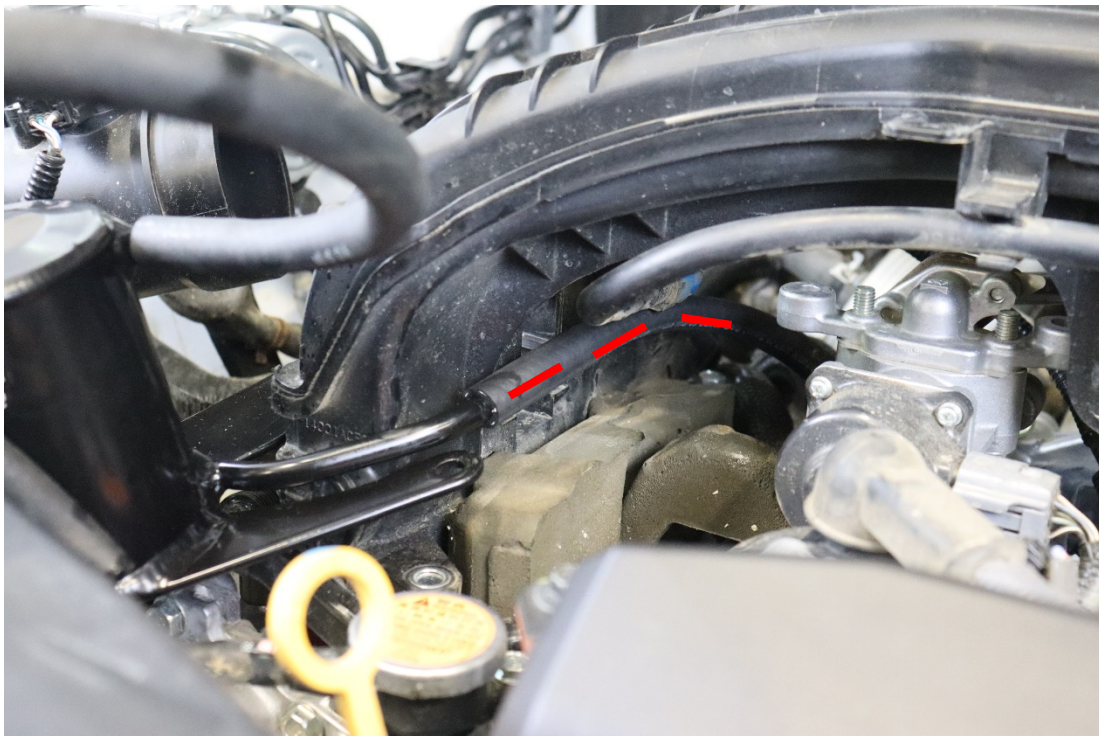
3. Locate and remove the two-passenger side intake manifold bolts shown below. (12 MM Socket)



4. Next install the hoses onto the AOS. The 12" hose will fit the bottom port on the cannister, and the 20" hose will fit to the top port as shown.



5. Fit the cannister + bracket so the bracket mounting holes are over the two intake manifold bolts that were removed in step 3. Route the 12" hose on the bottom port under the intake manifold as shown and towards the PCV port on the engine block shown in step 2b.



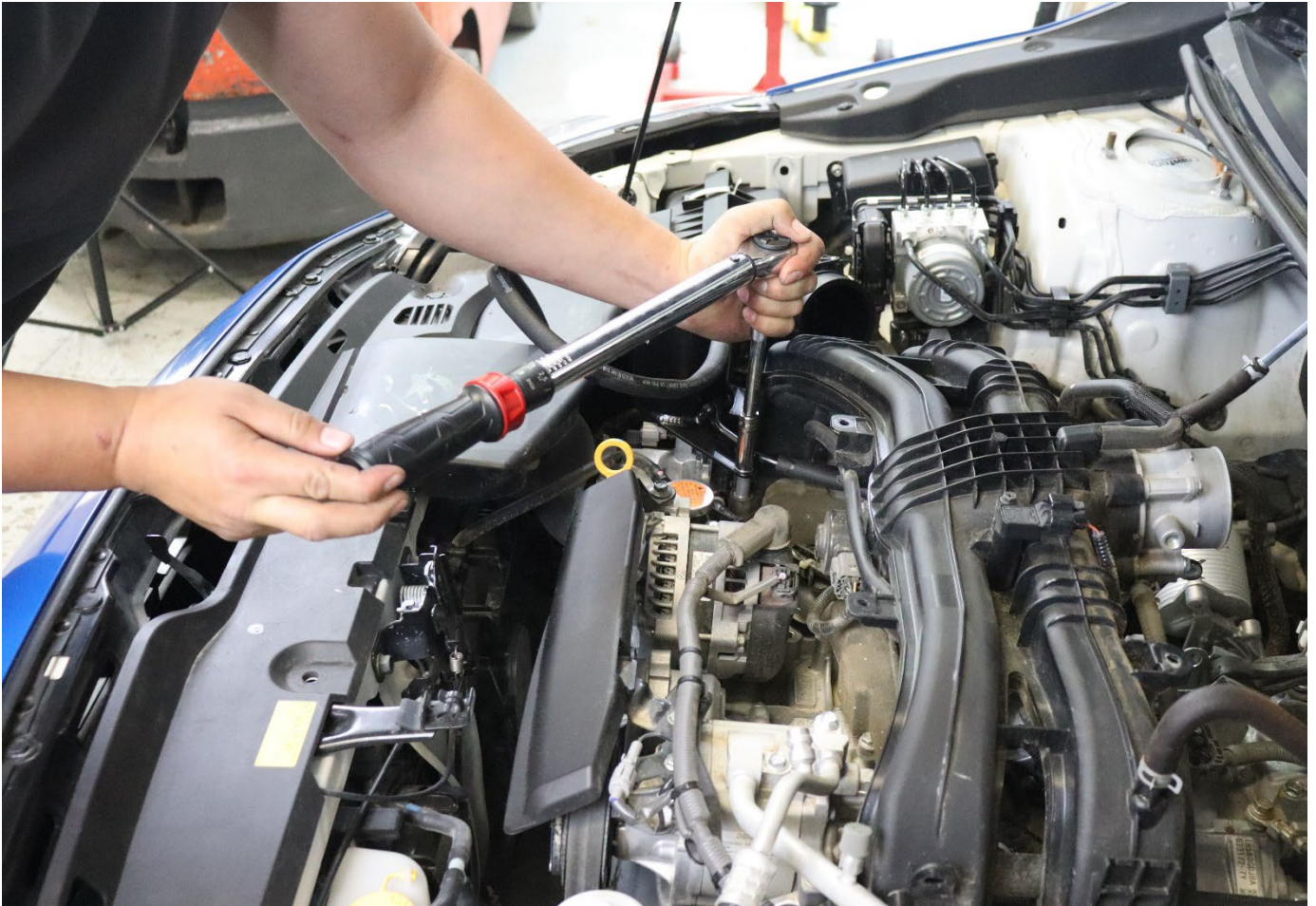
6. Next, locate the provided 110 mm bolt and the required spacer(s) as shown. **If you have the Crawford Billet Power Block's installed**, you will only need the 25 mm spacer as shown. Place the spacer above the frontmost intake manifold bolt hole. **If you do not have BPB's**, you will use the 70 mm spacer on the front manifold mount, and the 45 mm spacer on the middle manifold mount. (12 MM Socket)



7. Tighten the provided 110 mm bolt with your fingers until it is snug against the bracket and washer. Repeat for the middle intake manifold bolt that was also removed. Remember this middle bolt does not require a spacer if the BPBs are installed.

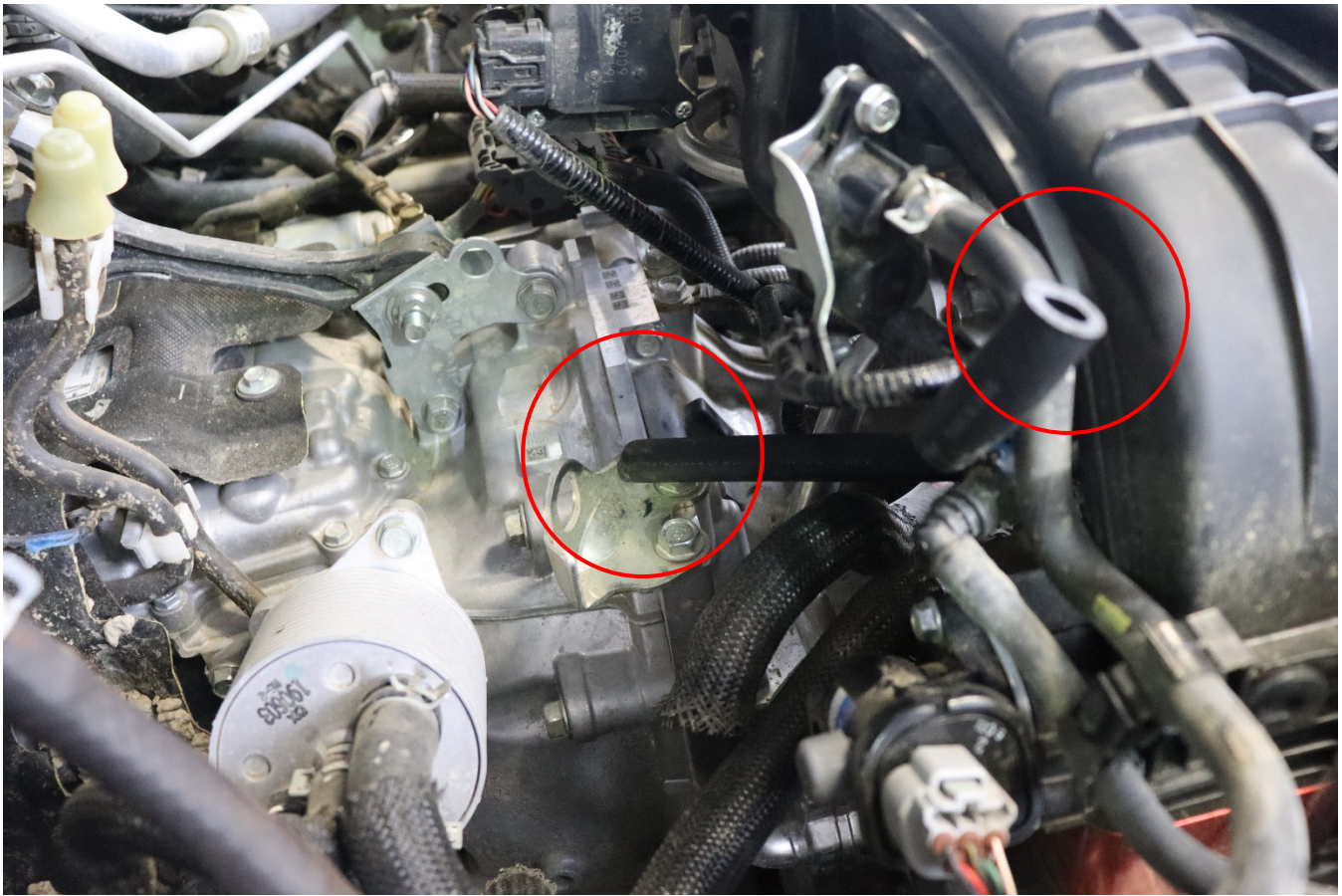


8. Tighten down the two 110 mm bolts to 18 ft-lbs, securing the AOS in place. (12 MM Socket)



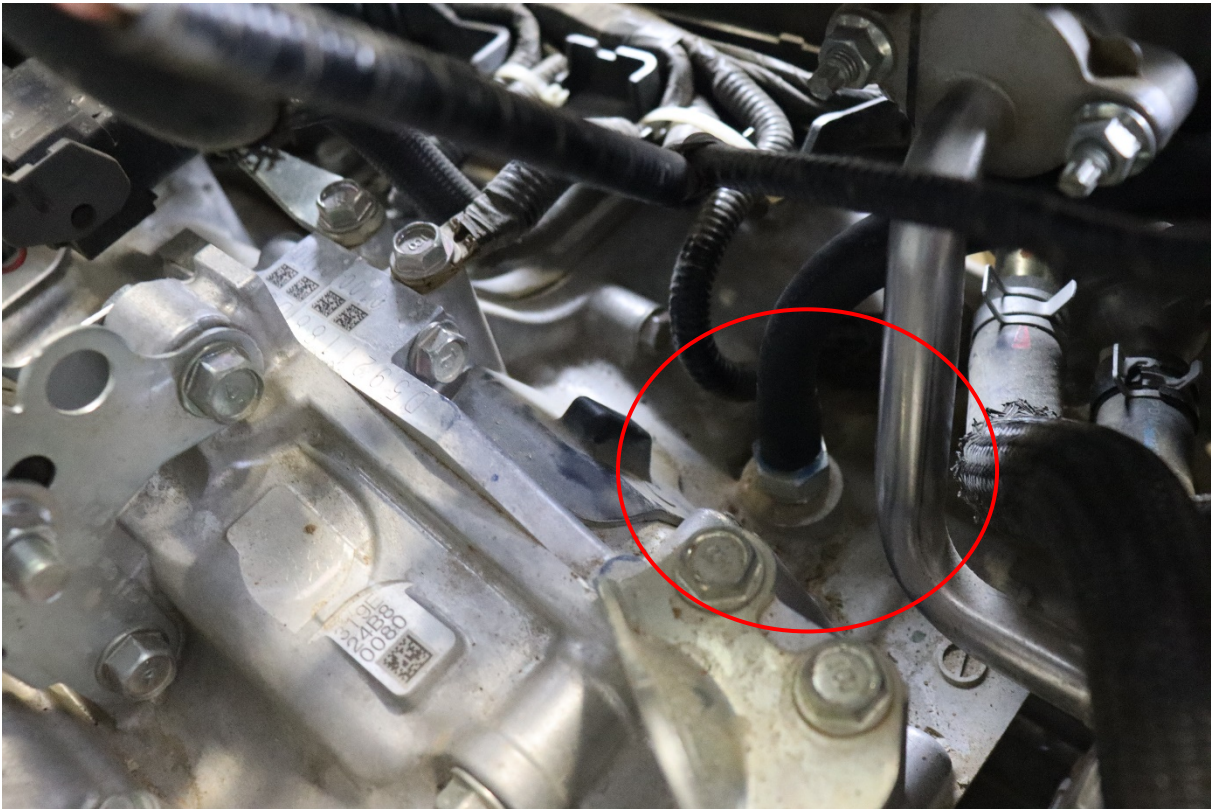
9. Route the 20" hose on the top of the cannister under the manifold as shown. This line will connect to the intake manifold, while the 12" hose will connect to the PCV port on the block.





10. Route the 12" line underneath the EGR tube and to the PCV port on the engine block.





11. Route the 20" hose to the intake manifold port shown in step 2a.



12. Re-Install the intake by:
 - a. Tightening the 2 clamps using a flathead screwdriver.
 - b. Pushing the plastic cap back in to place until you hear it snap.
 - c. Pushing the hose back on to the port on the rear driver side of the intake charge tube assembly, then using then pliers to open and slide clamp in to place to secure the hose.

Enjoy the benefits of your new Air Oil Separator!



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!