

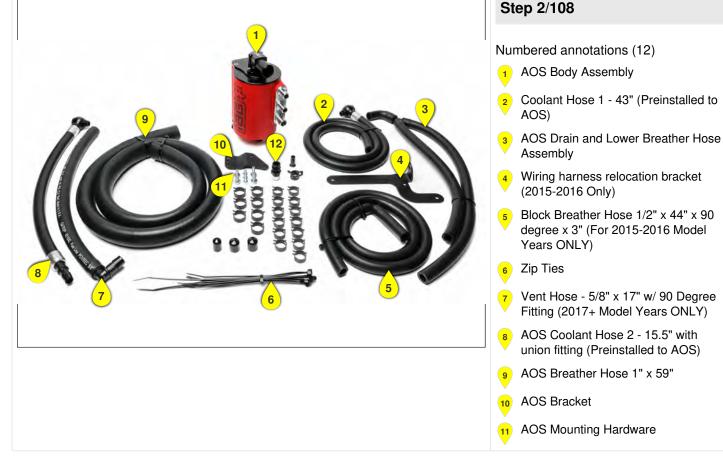
Step 1/108

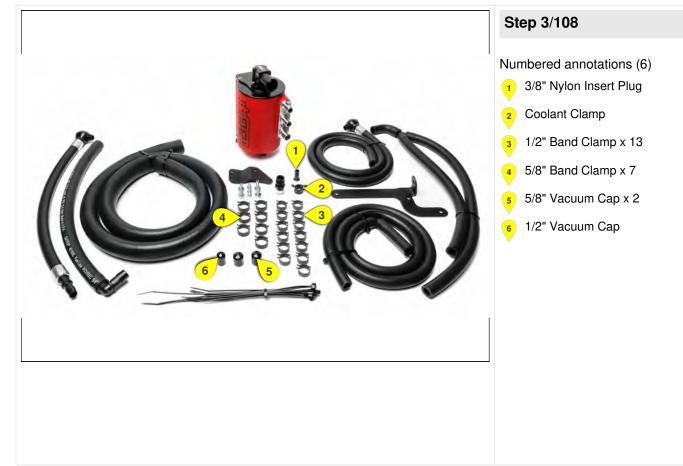
IAG-ENG-7282 Comp Series Air / Oil Separator (AOS) For 2015-16 WRX

Part# IAG-ENG-7282

Tools Required: Ratchet, extensions, needle nose pliers, hose cutter, snips/scissors, flat head screwdriver, hose clamping pliers
Sockets: 10mm, 12mm, 1⁄4" allen, 5mm allen
Wrenches: 7/6", 10mm, 12mm, 3mm allen, 5mm allen
Other: Electrical Tape

Congratulations on the purchase of your Air/Oil Separator (AOS) and thank you for choosing IAG Performance. This installation manual is intended to guide you through the modification of the factory PCV system and the installation of the IAG AOS. If you already have an aftermarket catch can or AOS installed, please consult the specific instructions for your hardware to aid in its removal. PLEASE ENSURE THE VEHICLE IS COMPLETELY COOL BEFORE STARTING THE INSTALLATION.





	Step 4/108
100 2-3 4 5 5 7-6 9 10 11 2 1 4 5 10 1 2 1 4 5 1 1 2 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	
Coolant Hose 1 - 43"	









	Step 9/108
AOS Breather Hose 1" x 59"	



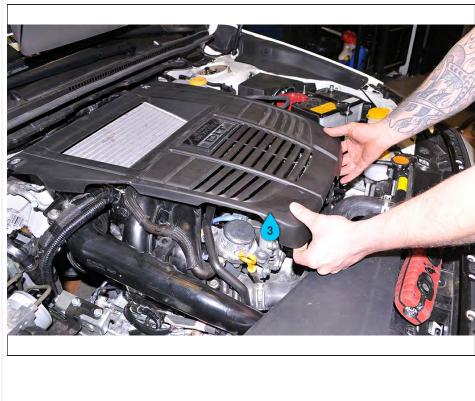


Step 11/108

Numbered annotations (1)

Disconnect the negative battery cable.

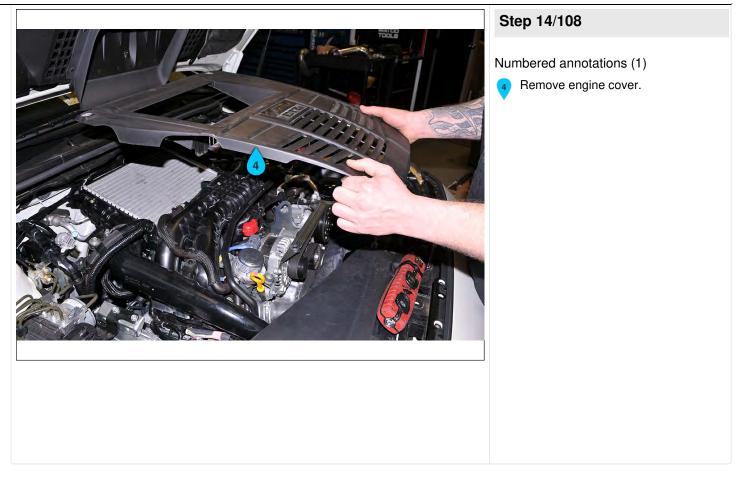




Step 13/108

Numbered annotations (1)

Pull up on the front of the cover to unclip it.

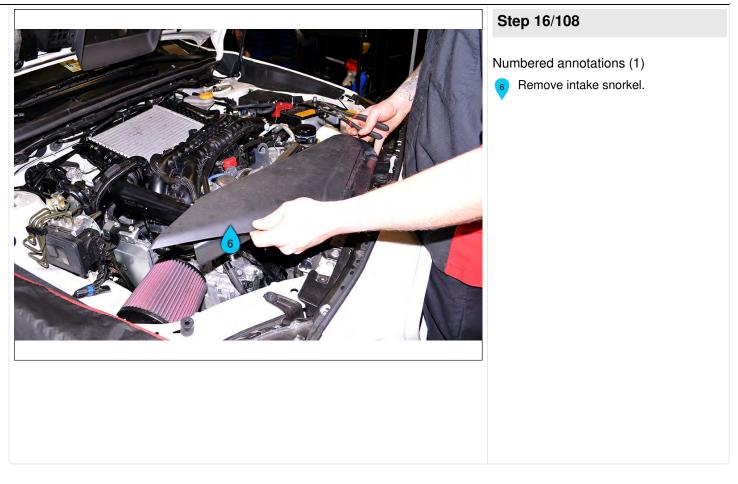


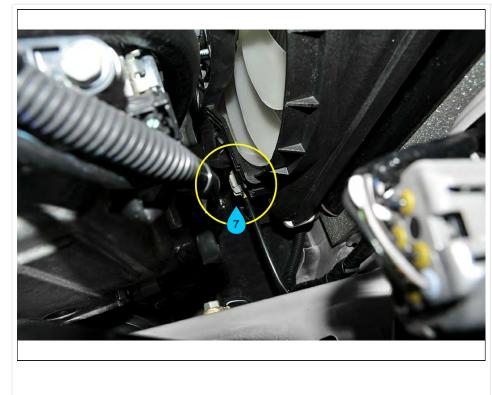


Step 15/108

Numbered annotations (1)

Remove hardware securing intake snorkel.

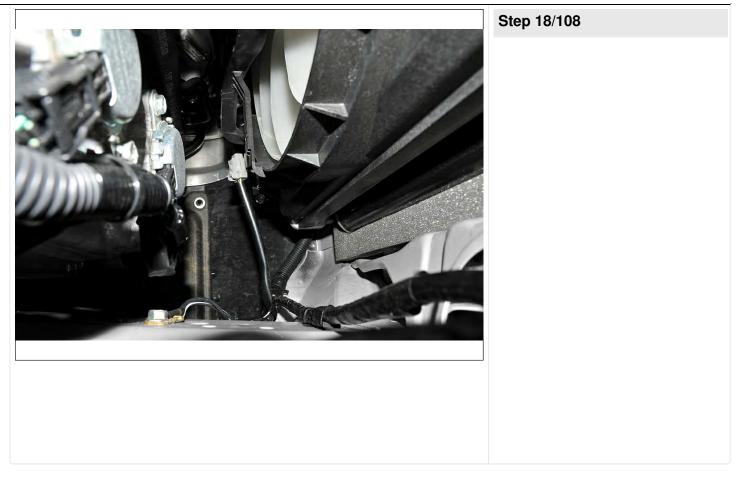




Step 17/108

Numbered annotations (1)

Disconnect passenger side radiator fan wiring harness.

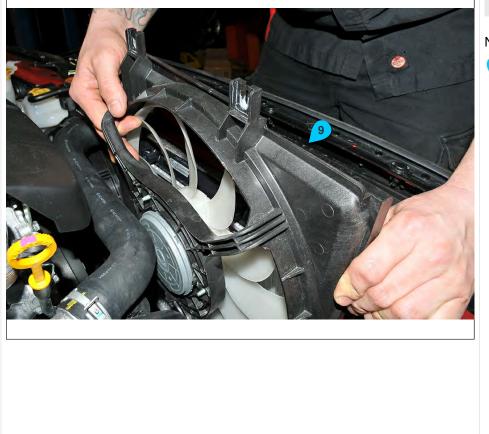




Step 19/108

Numbered annotations (1)

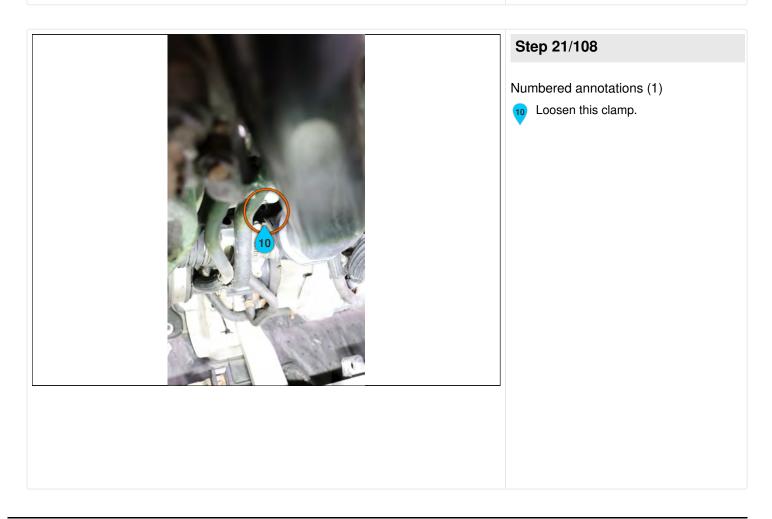
Remove hardware securing passenger side radiator fan.

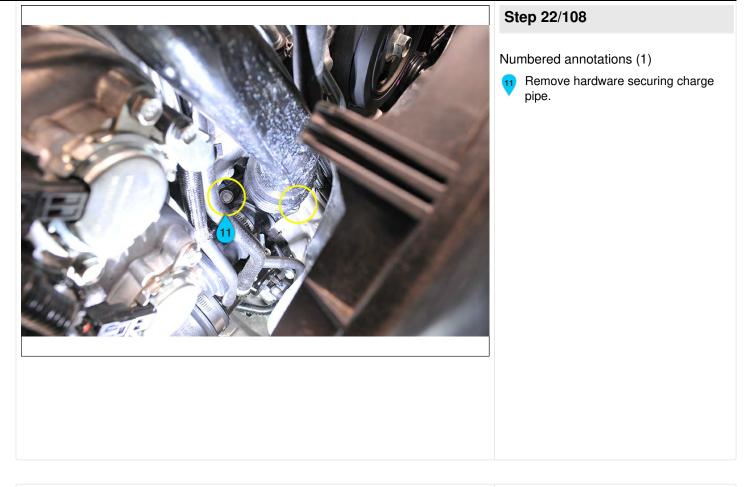


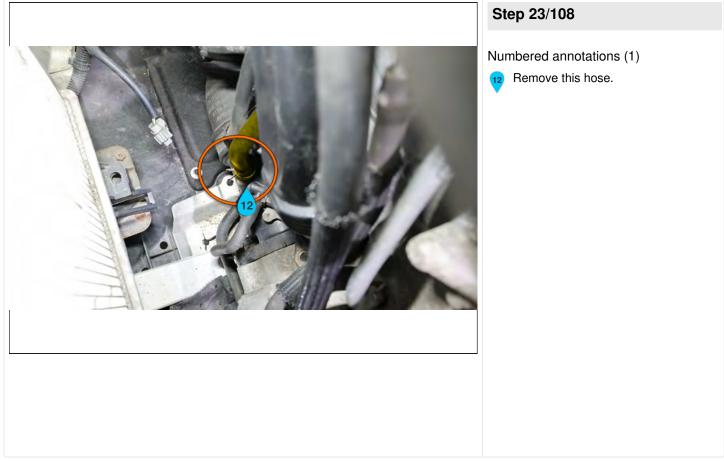
Step 20/108

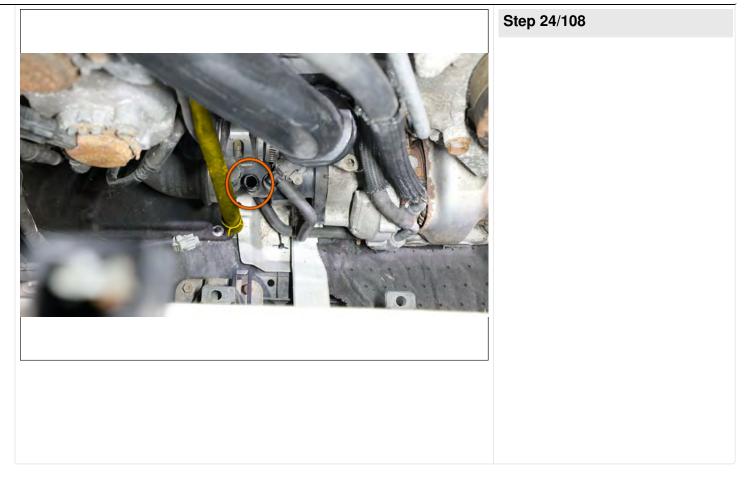
Numbered annotations (1)

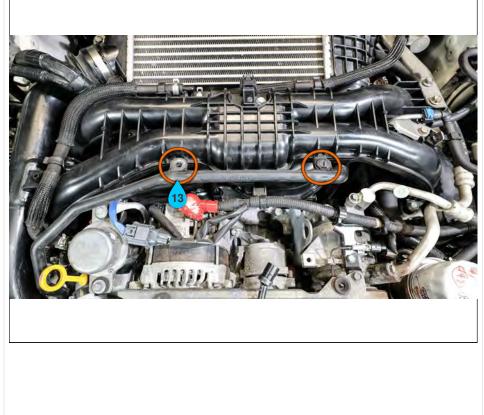
 Remove passenger side radiator fan, being careful not to damage the radiator fins.







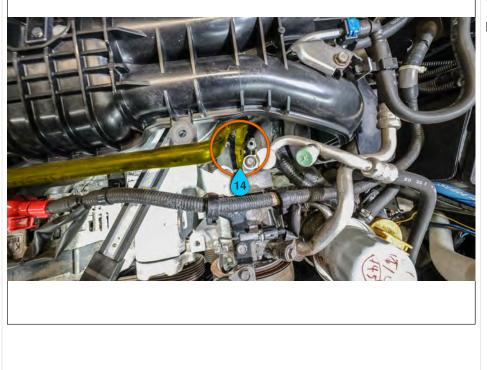




Step 25/108

Numbered annotations (1)

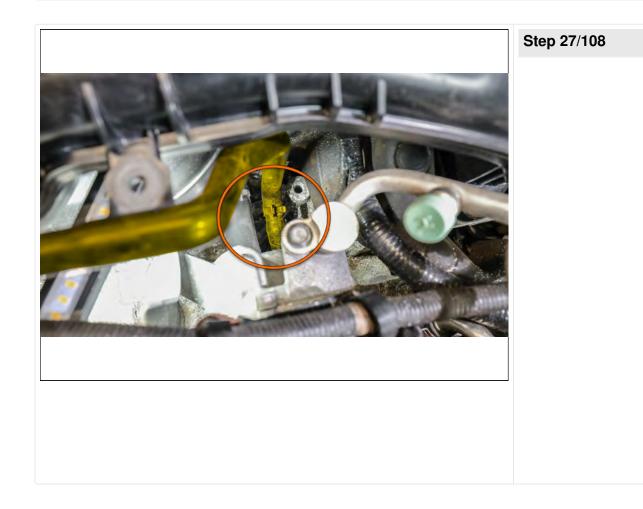
Remove the two clips holding the PCV tube.

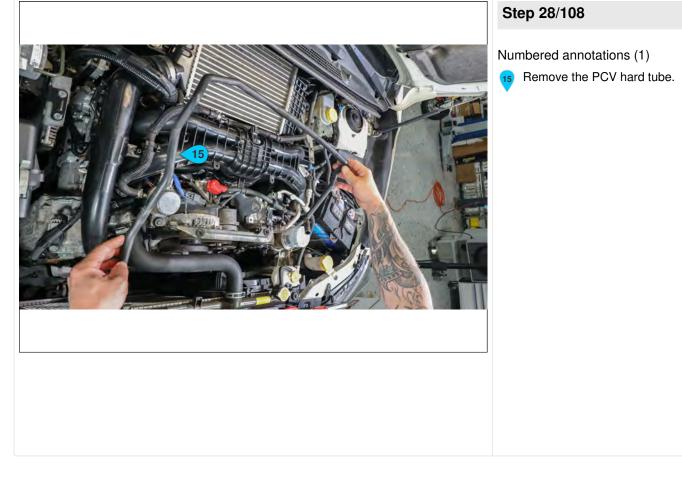


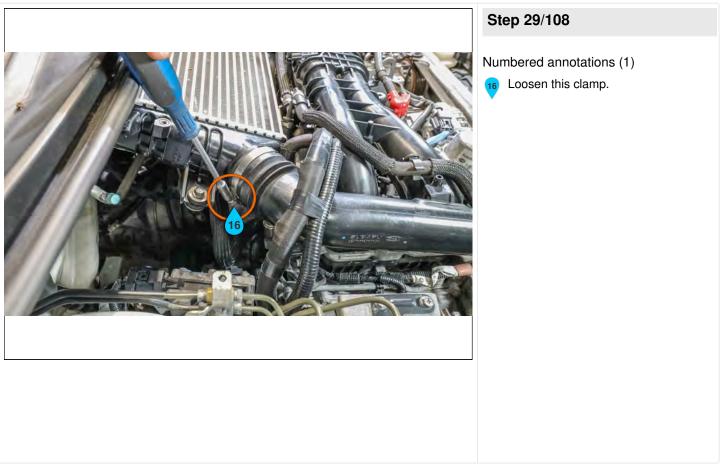
Step 26/108

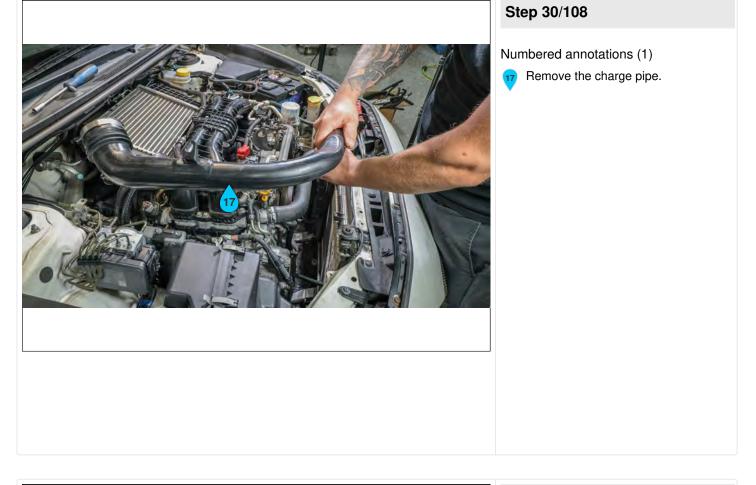
Numbered annotations (1)

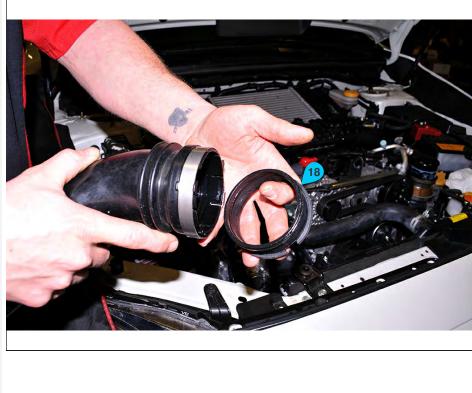
Loosen the clamp and disconnect the PCV hard tube.







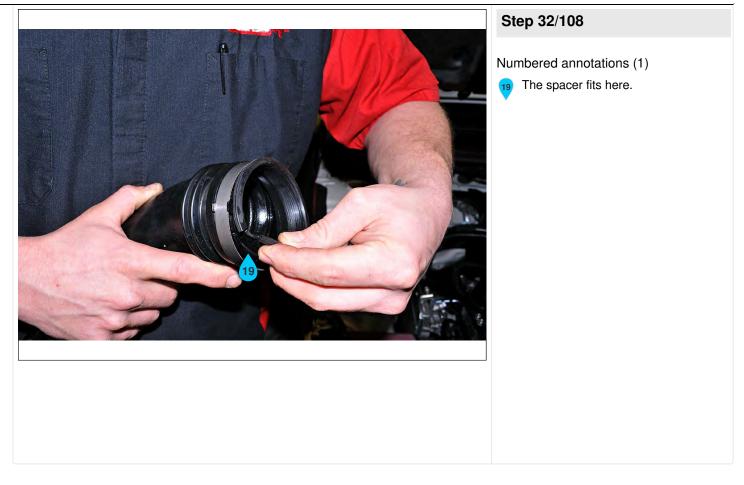


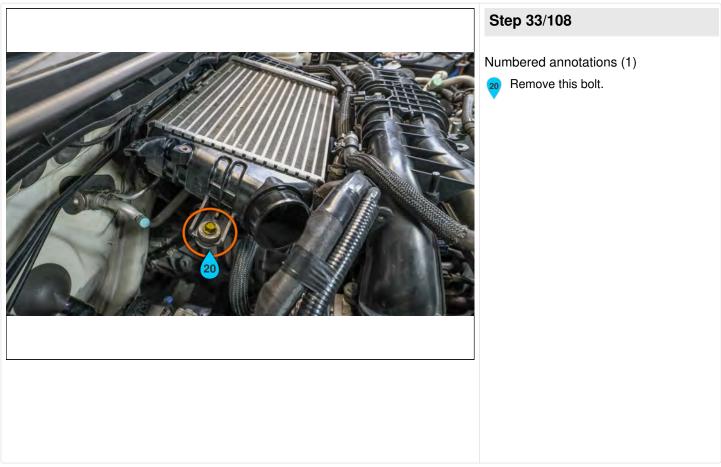


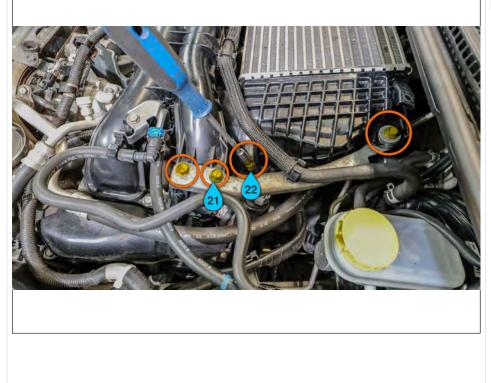
Step 31/108

Numbered annotations (1)

Ensure this part stays in the charge pipe.





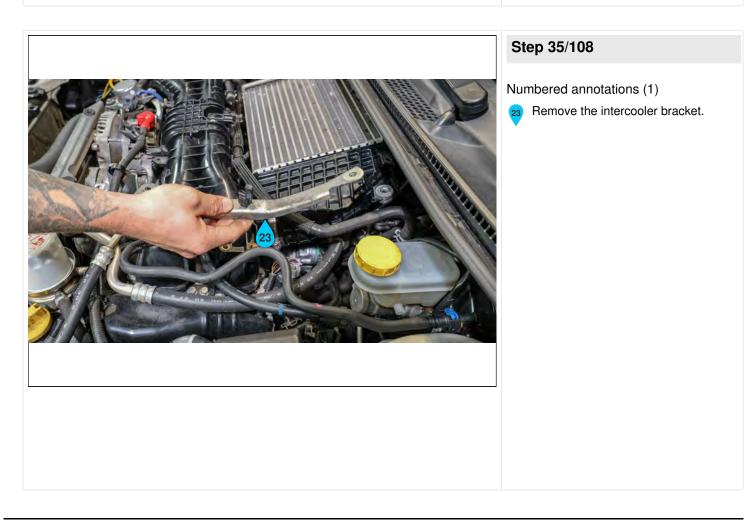


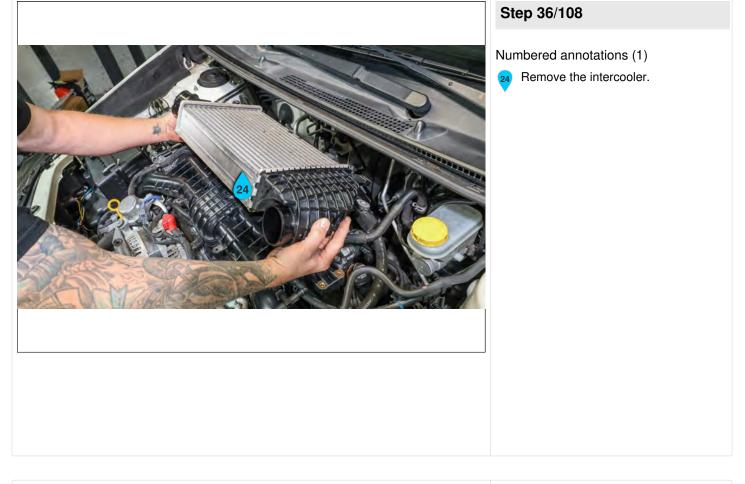
Step 34/108

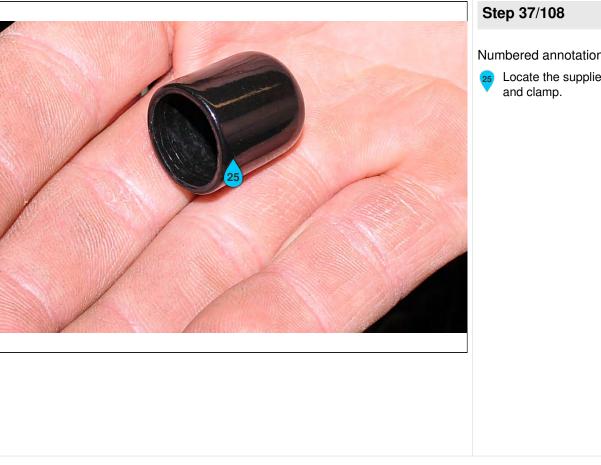
Numbered annotations (2)

Remove the 3 bolts holding the intercooler and bracket.



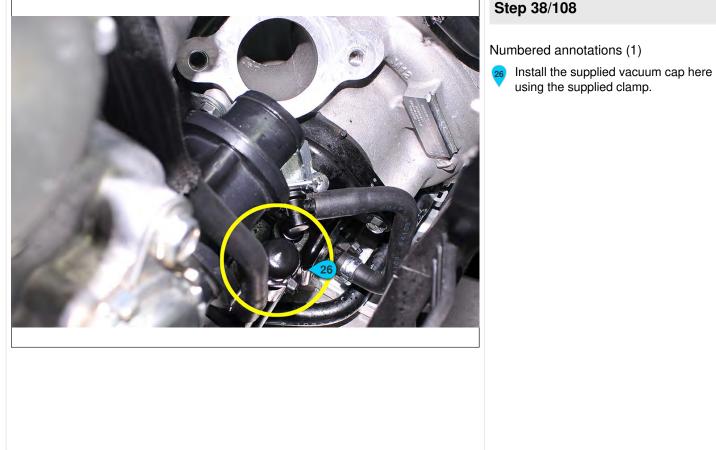






Numbered annotations (1)

Locate the supplied 5/8" vacuum cap



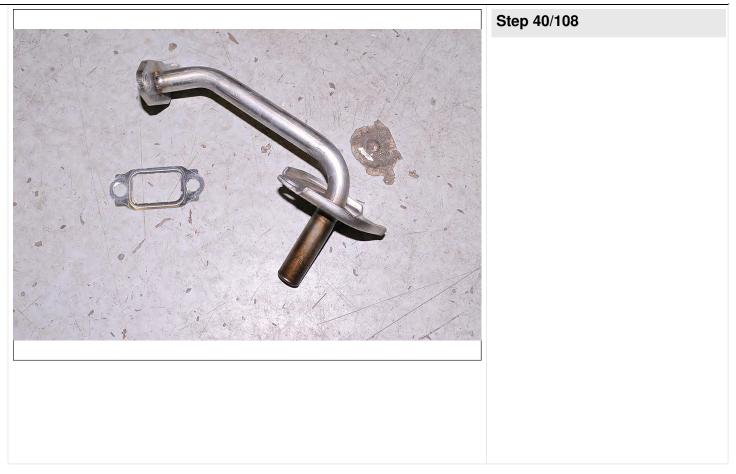
Step 38/108



Step 39/108

Numbered annotations (1)

Remove the hardware securing this 27 pipe behind the intake manifold.

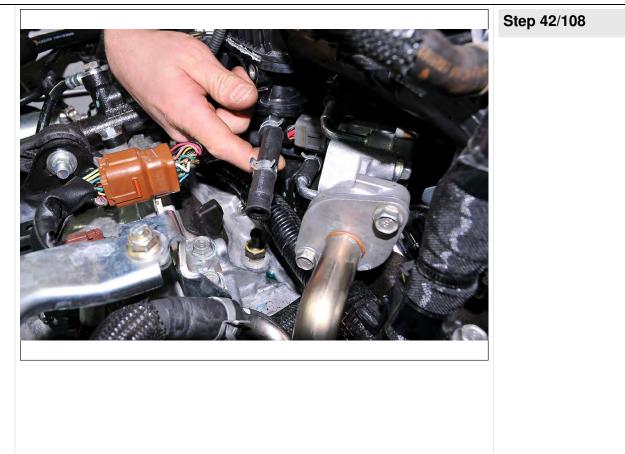


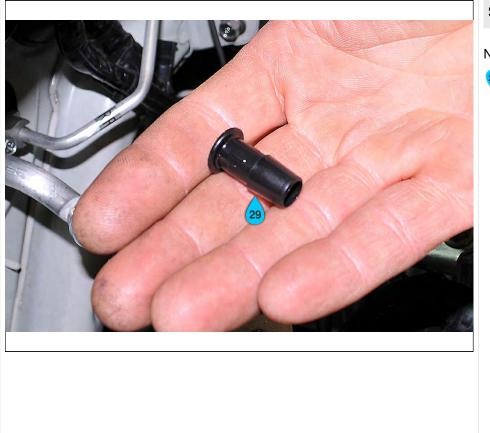


Step 41/108

Numbered annotations (1)

Loosen this clamp and disconnect this hose.





Step 43/108

Numbered annotations (1)

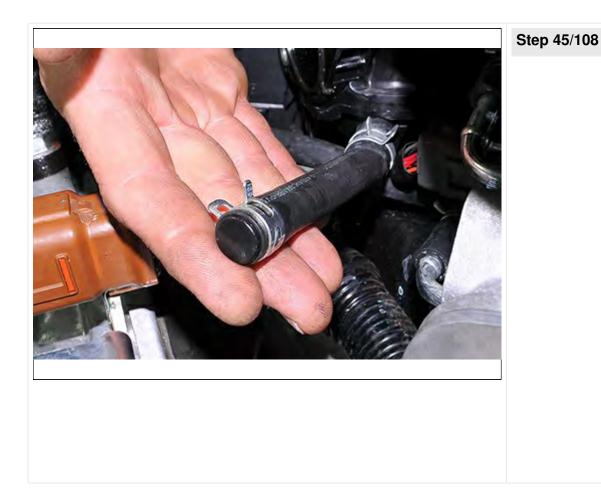
29 Locate the supplied vacuum cap.

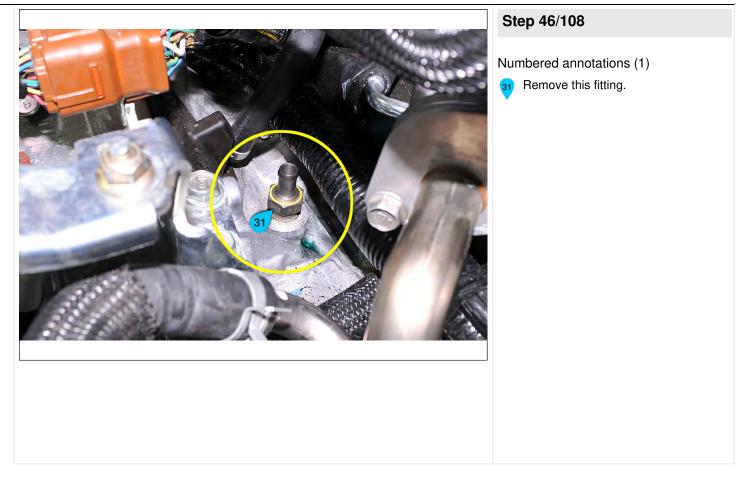


Step 44/108

Numbered annotations (1)

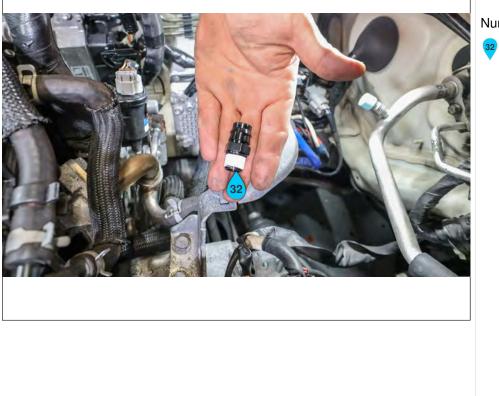
Install the supplied vacuum cap in this hose, secured with the OEM clamp.







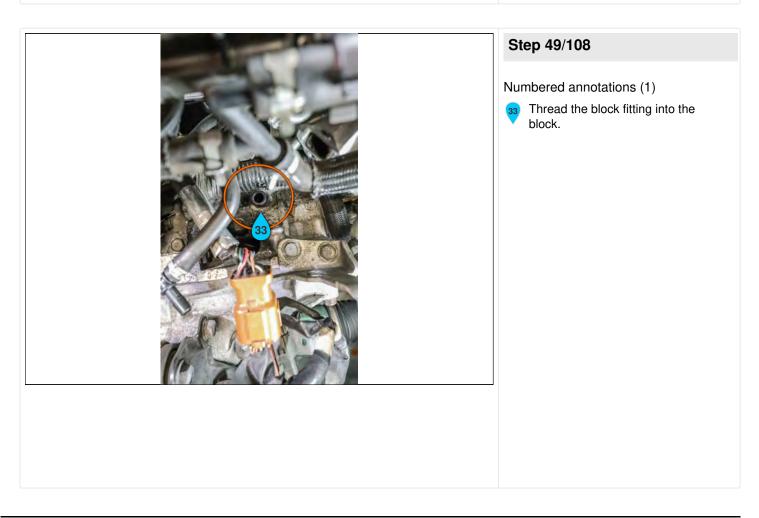
Step 47/108

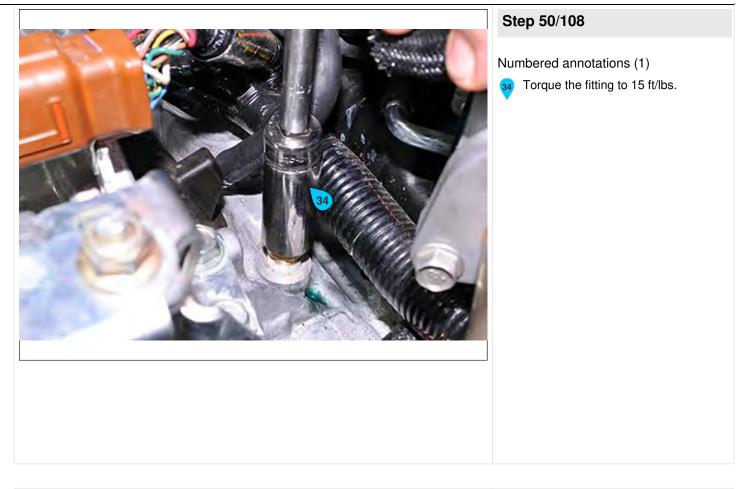


Step 48/108

Numbered annotations (1)

2 Locate the supplied block breather fitting.



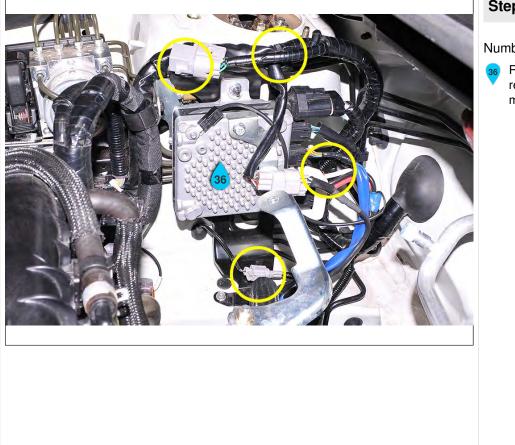




Step 51/108

Numbered annotations (1)

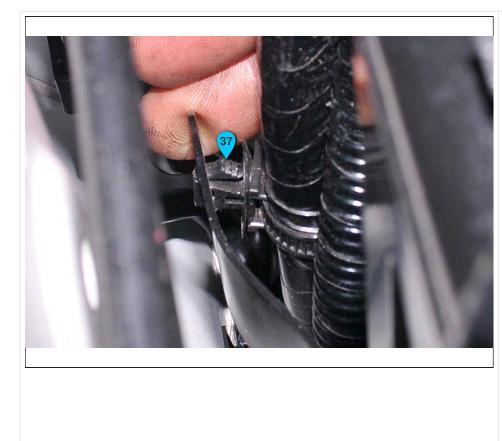
Reinstall the EGR pipe, reusing the OEM gaskets and hardware.



Step 52/108

Numbered annotations (1)

Remove the 4 wiring harness retaining clips from the ECU mounting bracket.

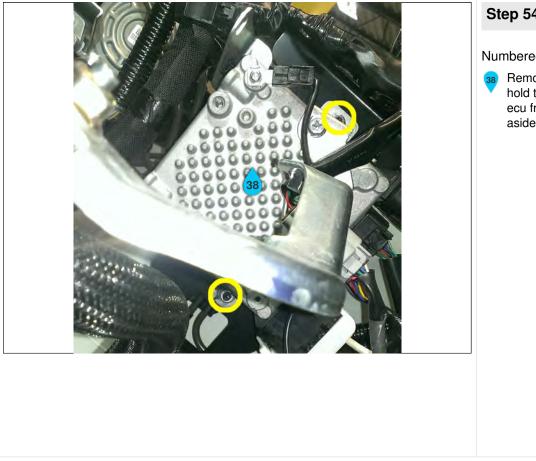


Step 53/108

Numbered annotations (1)

³⁷ Use pliers to squeeze these zip ties then push them through the hole to remove.

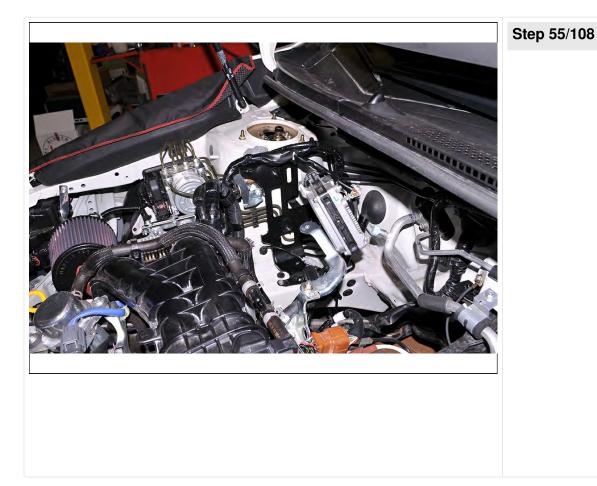
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Step 54/108

Numbered annotations (1)

Remove the two 10mm nuts which hold the ECU to the bracket. Pull the ecu free from the bracket and place it aside in the engine bay.

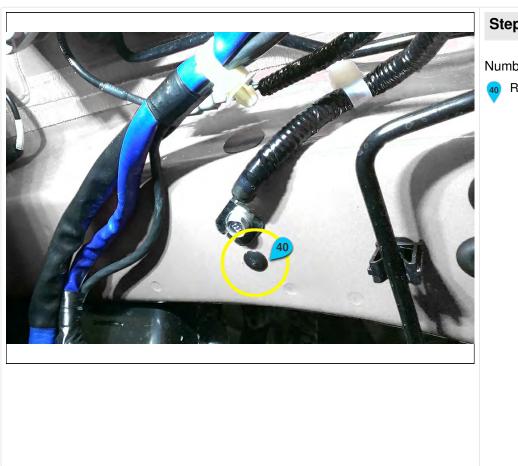




Step 56/108

Numbered annotations (1)

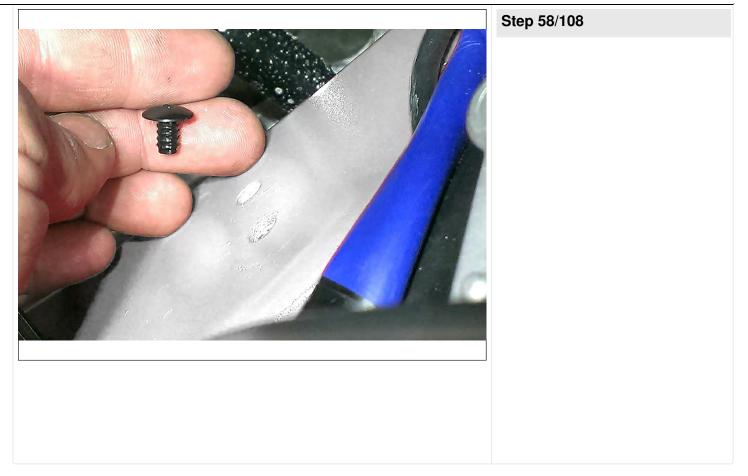
Remove the two 10mm bolts which secure the ECU bracket to the strut tower. Remove the bracket.

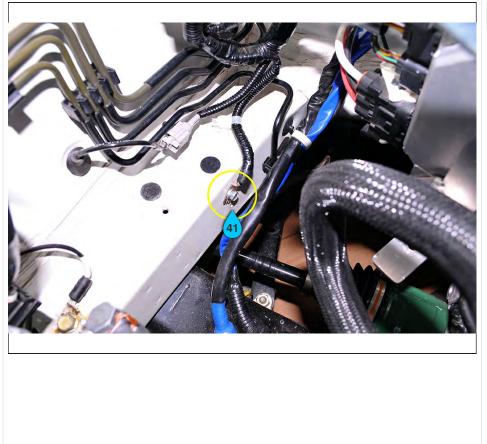


Step 57/108

Numbered annotations (1)

Remove this plug.

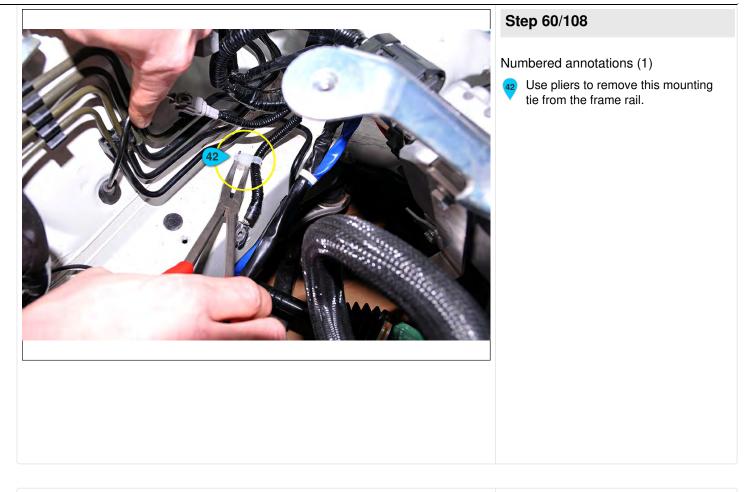


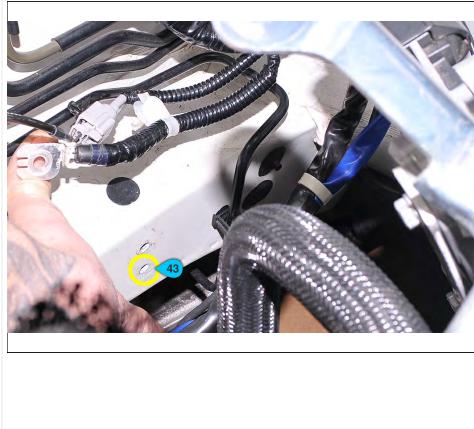


Step 59/108

Numbered annotations (1)

Remove this 10mm bolt.



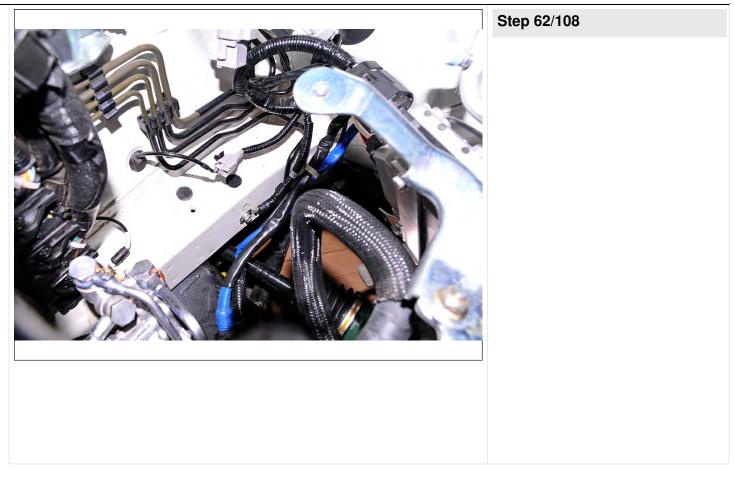


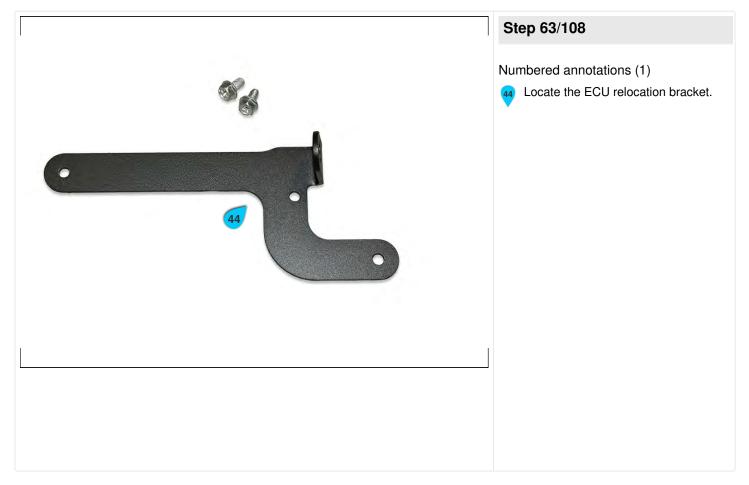
Step 61/108

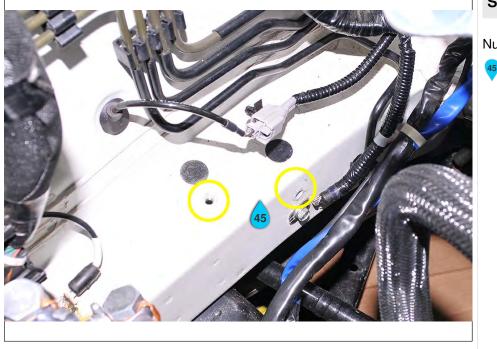
Numbered annotations (1)

Reinstall the ground to this hole using the OEM 10mm bolt.

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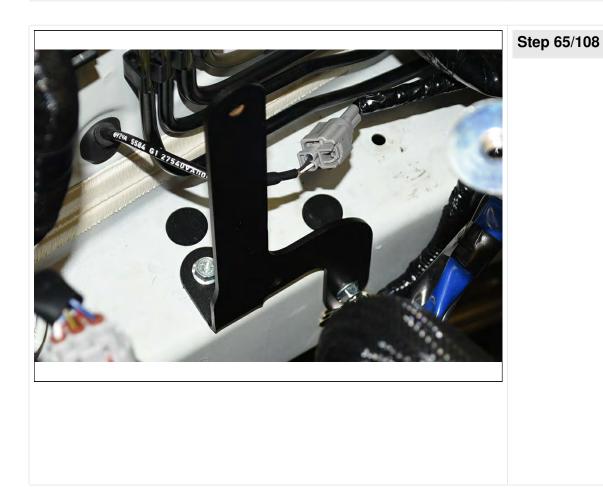


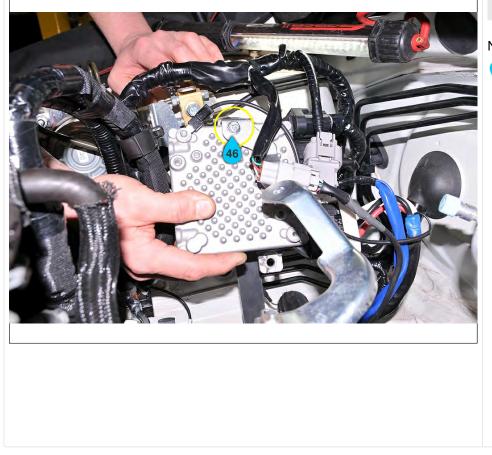


Step 64/108

Numbered annotations (1)

Attach the ECU relocation bracket here using the OEM ecu bracket 10mm hardware.

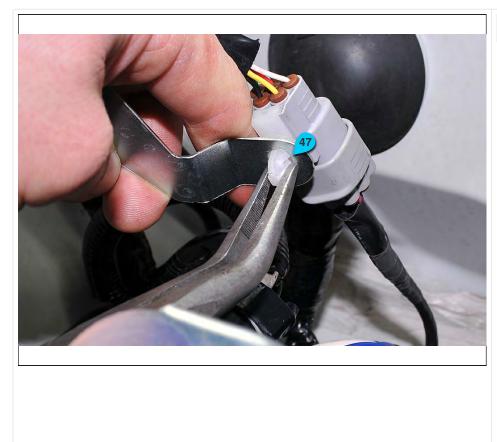




Step 66/108

Numbered annotations (1)

Remove the 10mm bolt securing the wiring harness to the ecu,

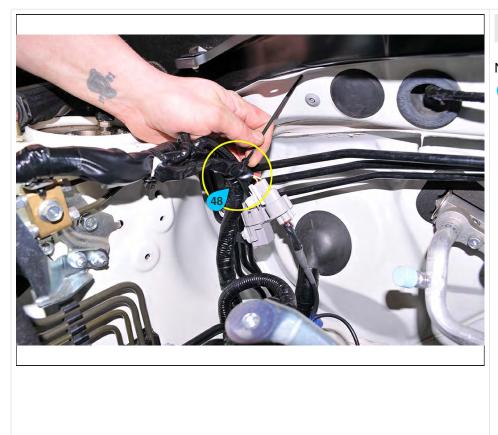


Step 67/108

Numbered annotations (1)

Using pliers, remove the harness retaining clip from the bracket.



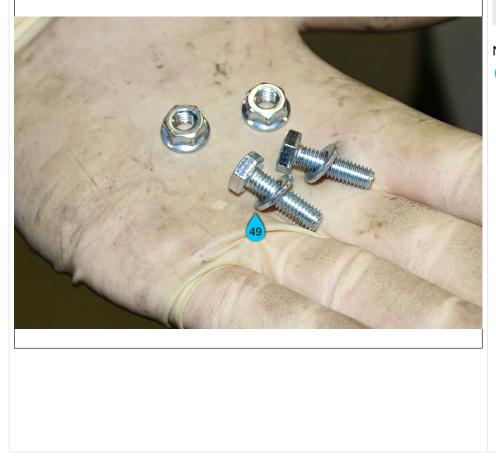


Step 69/108

Numbered annotations (1)

Zip tie the harness here.

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Step 70/108

Numbered annotations (1)

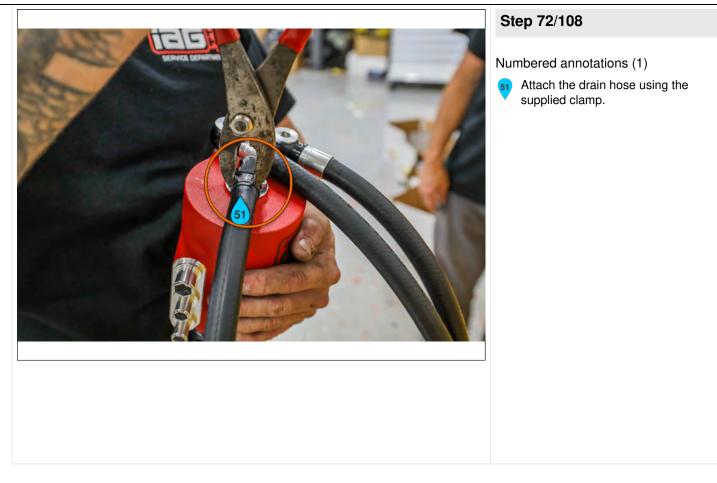
 Locate the supplied 6mmx15mm bolts, 6mm flat washers, and OEM ecu bracket nuts.

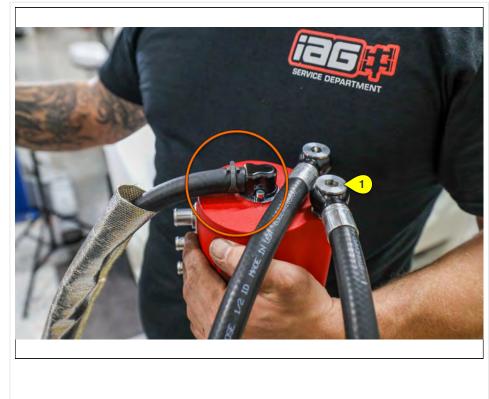


Step 71/108

Numbered annotations (1)

Attach the ECU to the bracket using the supplied 6mmx15mm bolts, 6mm flat washers, and the OEM nuts the secured the ecu to the OEM ECU bracket. (Make sure the bolt heads are on the bracket side.)

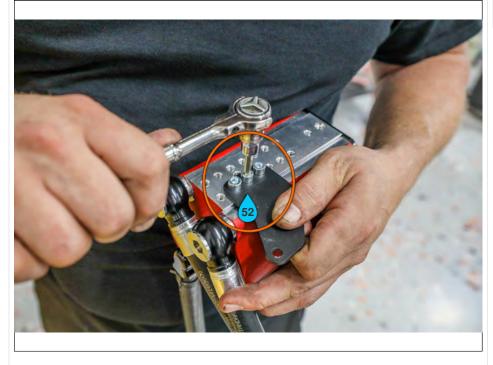




Step 73/108

Numbered annotations (1)

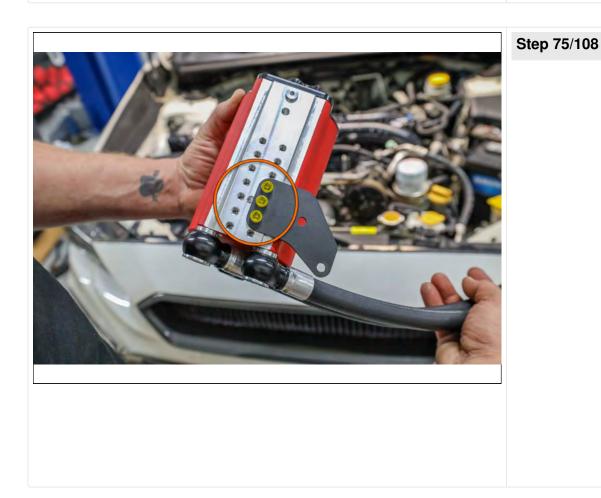
These fittings are preinstalled and torqued. The fitting is designed to swivel around the bolt. Do not remove or tighten further.



Step 74/108

Numbered annotations (1)

Locate the AOS bracket and supplied hardware and install the bracket as shown. Torque the bolts to 7 ft lbs.





Step 76/108

Numbered annotations (1)

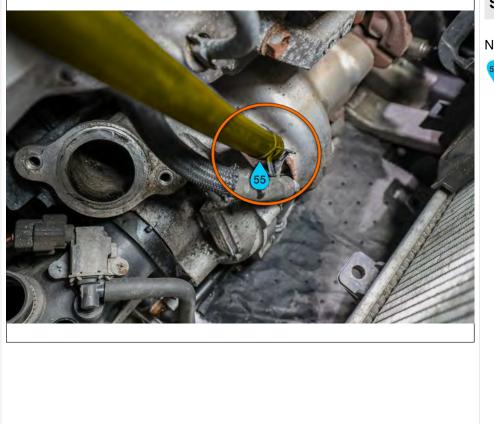
Install the supplied 5/8" vacuum cap on this port and secure with the supplied clamp.



Step 77/108

Numbered annotations (1)

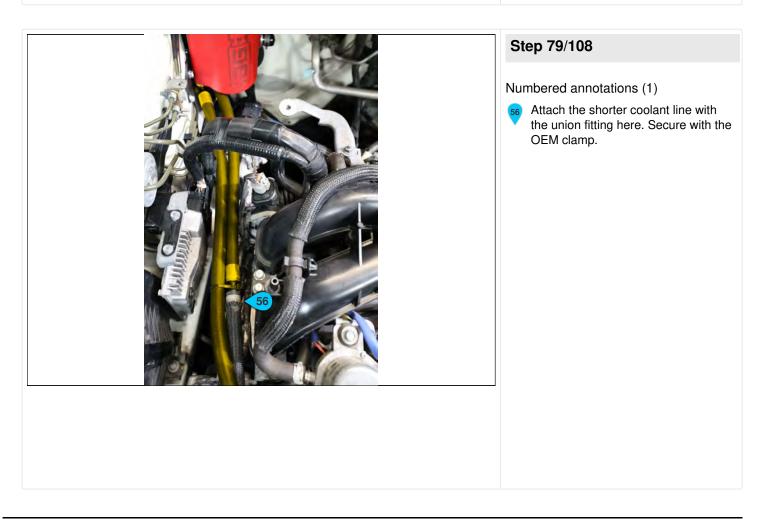
Mount the AOS here using the supplied bolts.

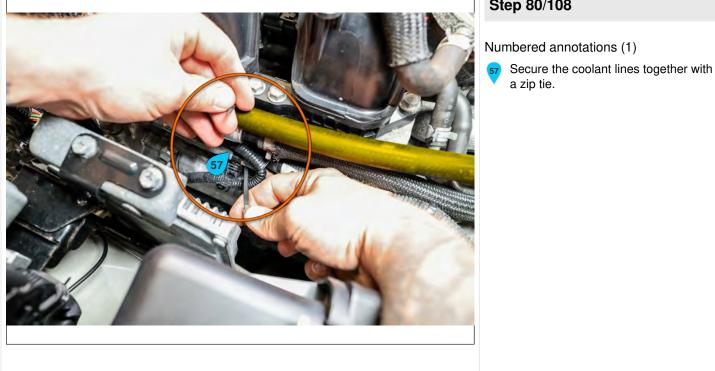


Step 78/108

Numbered annotations (1)

Attach the longer coolant hose here using the supplied clamp.





Step 80/108

Numbered annotations (1)



Step 81/108

Numbered annotations (1)

Use additional zip ties to keep the coolant hoses routed and secure.



Step 82/108

Numbered annotations (1)

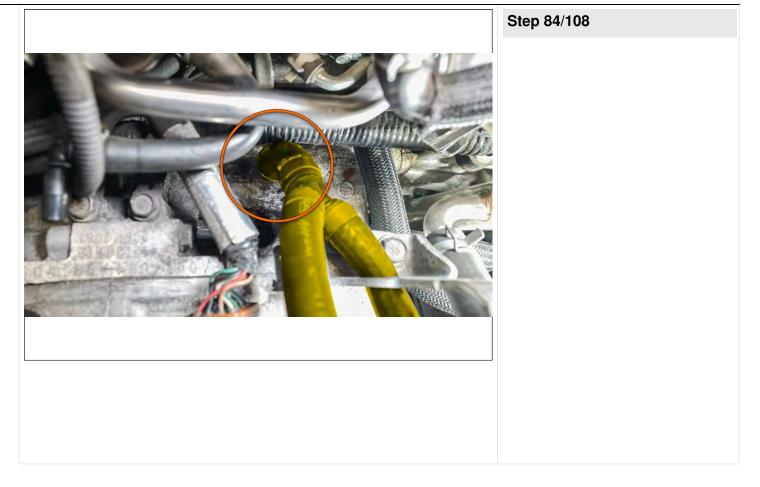
Locate the Y shaped breather hose assembly.

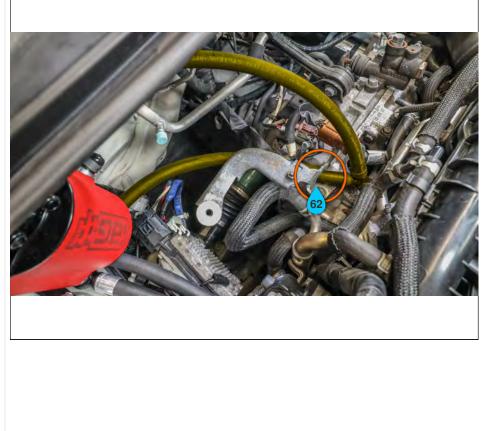


Step 83/108

Numbered annotations (2)

- ⁶⁰ Pass one hose through the bracket.
- Attach 90 degree hose here using the supplied clamp.

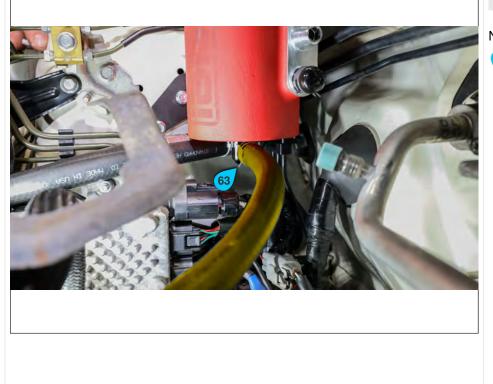




Step 85/108

Numbered annotations (1)

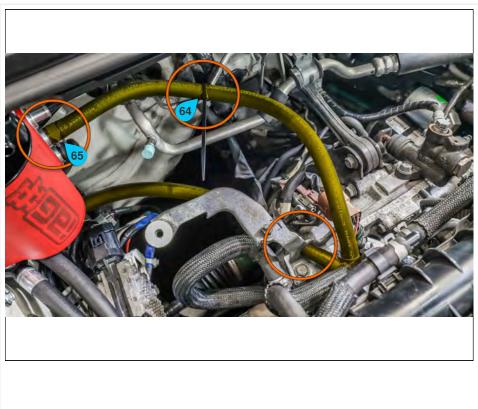
Ensure the drain hose is routed through this bracket. Measure and trim to length to attach the drain hose to the bottom of the AOS



Step 86/108

Numbered annotations (1)

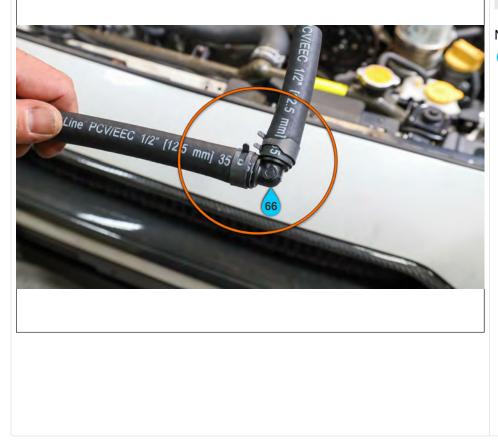
Attach the drain hose here using the supplied clamp.



Step 87/108

Numbered annotations (2)

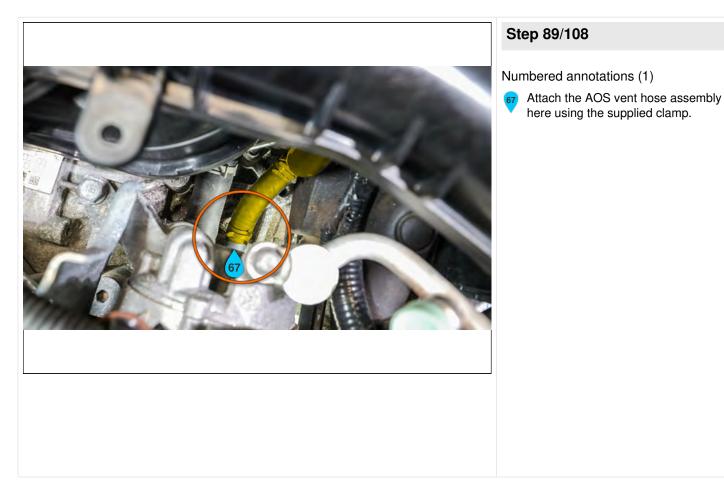
- Secure the vent hose assembly here with a zip tie.
- Attach the vent hose to the middle port on the side of the AOS using the supplied clamp.

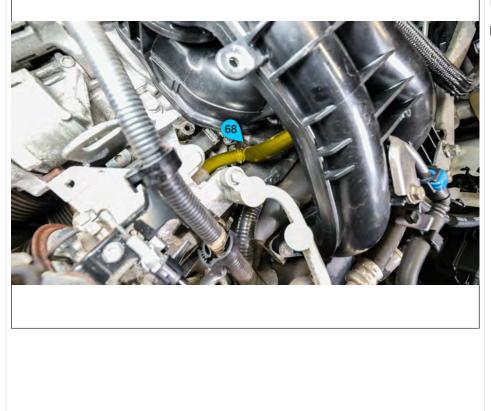


Step 88/108

Numbered annotations (1)

Locate the 1/2" breather hose with the 90 degree fitting.

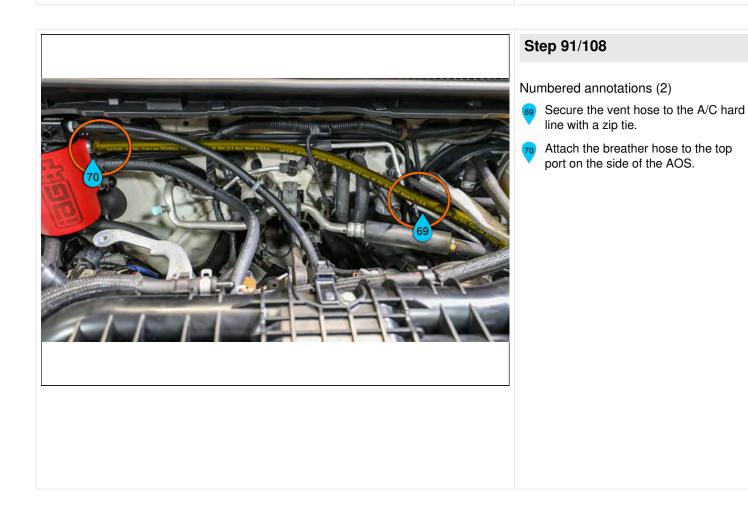




Step 90/108

Numbered annotations (1)

Route the longer end of the 1/2" AOS vent hose under the intake manifold.



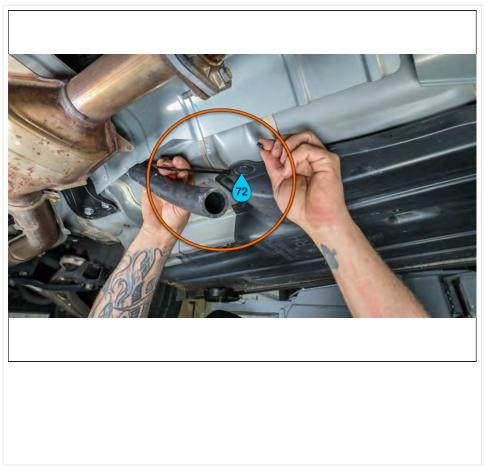
IAG Performance



Step 92/108

Numbered annotations (1)

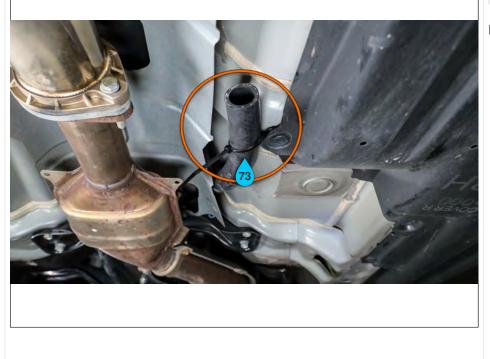
Route the 1" breather hose as shown and secure to the AOS with two zip ties.



Step 93/108

Numbered annotations (1)

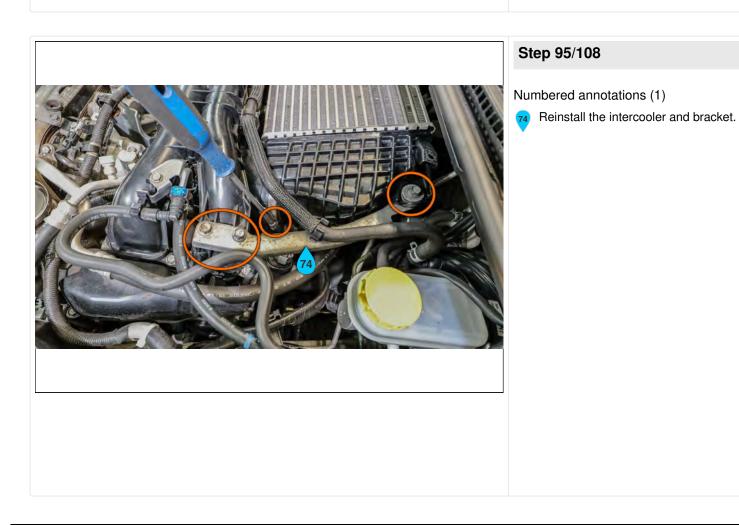
Route the breather hose under the vehicle, along the transmission tunnel. Thread a zip tie through here.

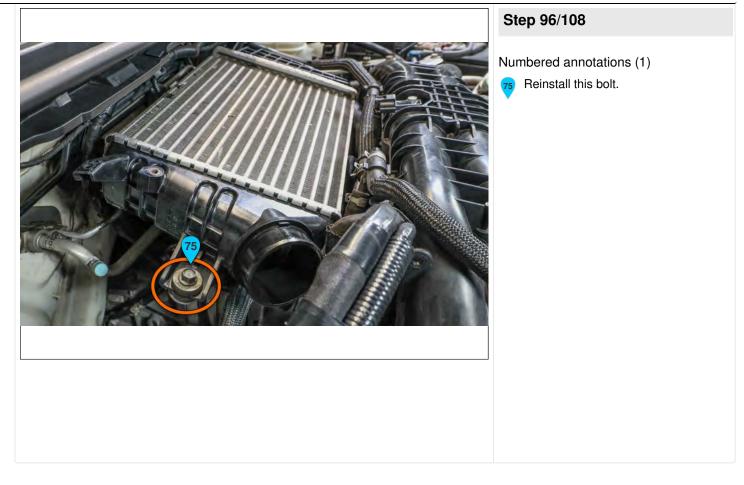


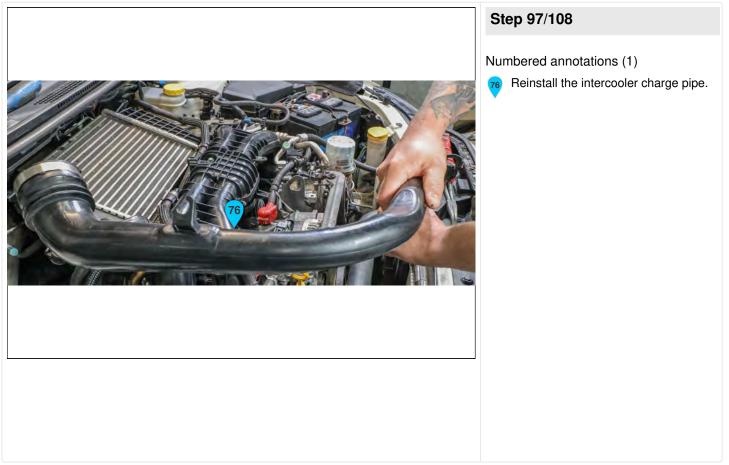
Step 94/108

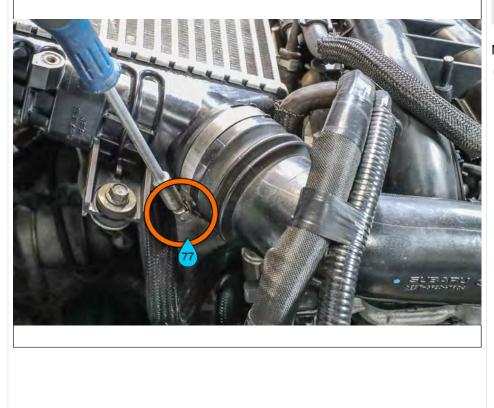
Numbered annotations (1)

Pass the end of the breather hose through the zip tie and secure to the bottom of the vehicle.





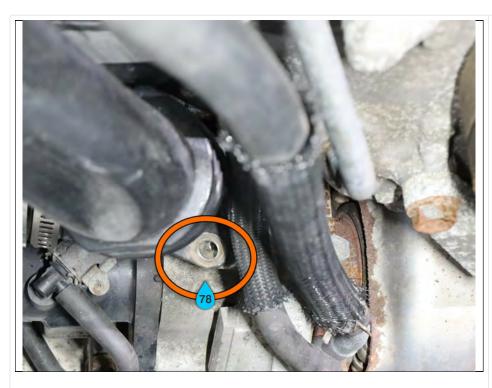




Step 98/108

Numbered annotations (1)

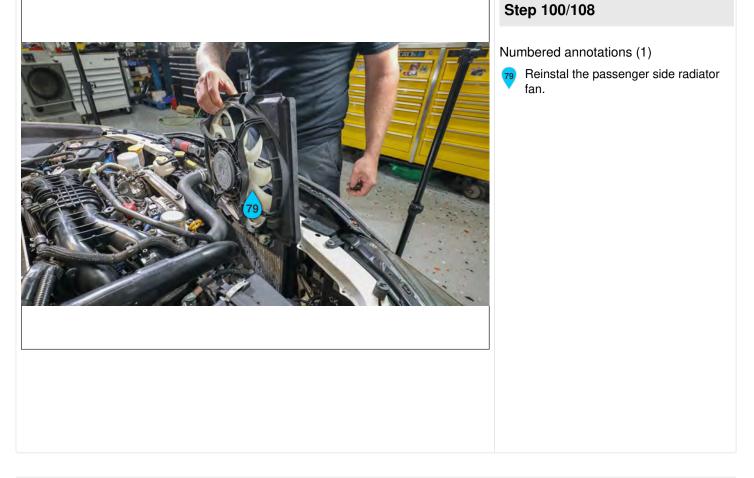
Attach the charge pipe to the intercooler and tighten this clamp.

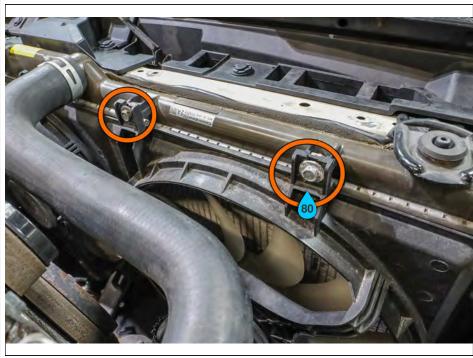


Step 99/108

Numbered annotations (1)

Reinstall both bolts for the charge pipe to the turbocharger.

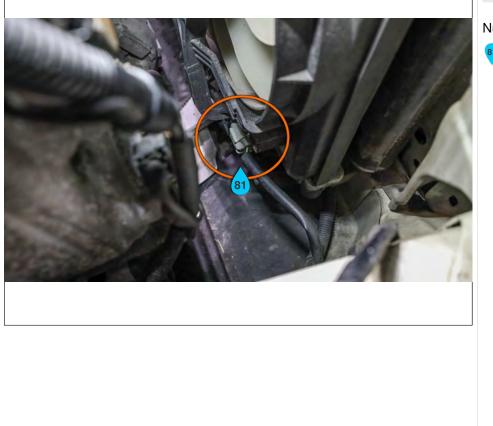




Step 101/108

Numbered annotations (1)

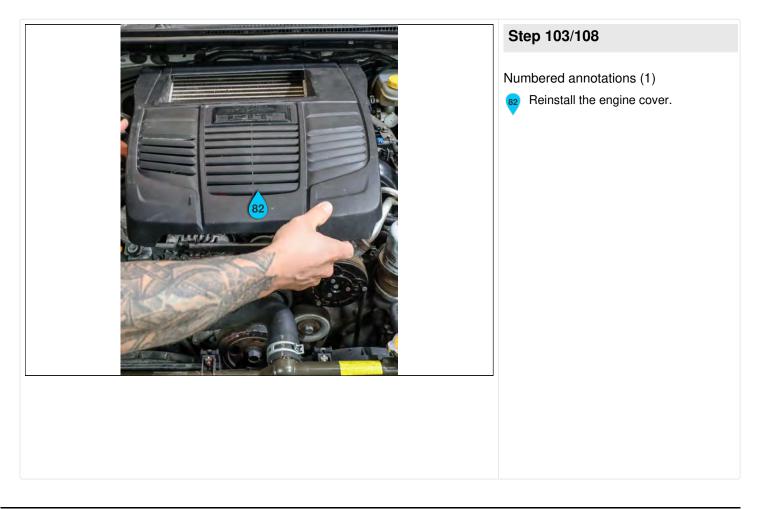
BO Secure the fan with the OEM bolts.

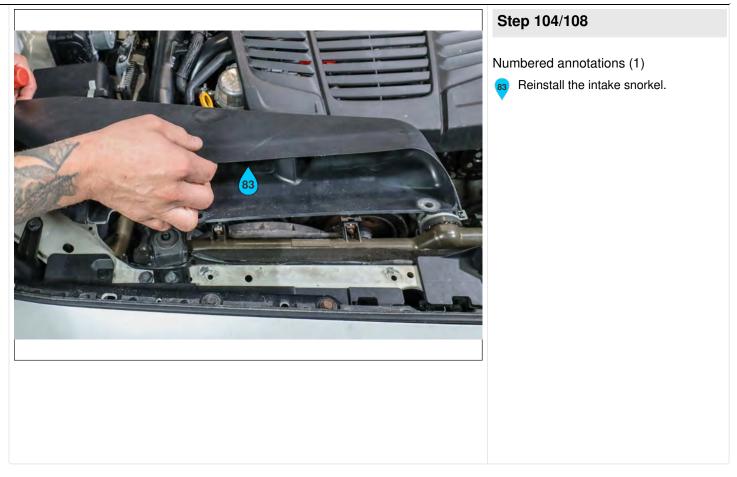


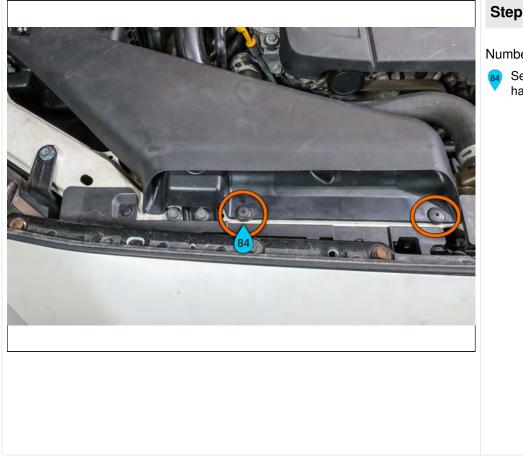
Step 102/108

Numbered annotations (1)

Plug the passenger fan electrical connector back in.





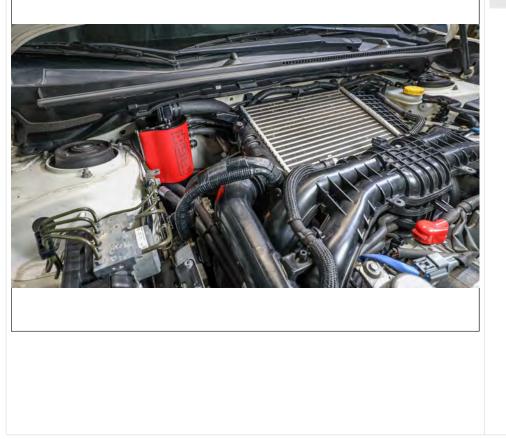


Step 105/108

Numbered annotations (1)

Secure the snorkel with the OEM hardware.

Step 106/108





Step 107/108

Numbered annotations (1)

Reconnect the negative battery cable.



Step 108/108

Numbered annotations (1)

Loosen the AOS coolant breather fitting. Top off any coolant lost during installation. Start the vehicle and let it come to operating temperature. Some coolant will begin to weep from this hole. Once the air has been released tighten the bleeder fitting.