

Required tools for this job:

- 8mm - For undertray screws AND drivers side clamp on charge pipe**
- 10mm Socket - For FMIC bracket to intercooler**
- 11mm deep socket - For all ARM constant tension clamps
Also for the FMIC bracket nut**
- Razor blade or box cutter - To cut trim pieces**
- Zip ties or wire - To help relieve pressure on stretched lines**
- Hook pick - To grab the stock intercooler connector clips**
- Dremel with cutting wheel - To cut the stock turbo outlet pipe clamp**
- T25 Torx - To remove the stock intercooler**
- 5mm allen key - For FMIC bracket to intercooler**

E60 FMIC Contents:

- ARM 7" FMIC**

- E60 FMIC Bracket Mounting Hardware**
 - [4] Screws
 - [4] Washers
 - [8] nuts

- E60 FMIC Bracket To Intercooler Hardware**
 - [1] Drivers Side Bracket
 - [1] Passenger Side Bracket
 - [2] Bolts
 - [2] Extra Wide Washers
 - [2] Flanged Nuts

- Drivers Side Long Hose**
 - [1] 100/92mm Constant Tension Clamp
 - [1] 91/83mm Constant Tension Clamp

- Passenger Side Short Hose**
 - [1] 94/86mm Constant Tension Clamp
 - [1] 75/67mm Constant Tension Clamp

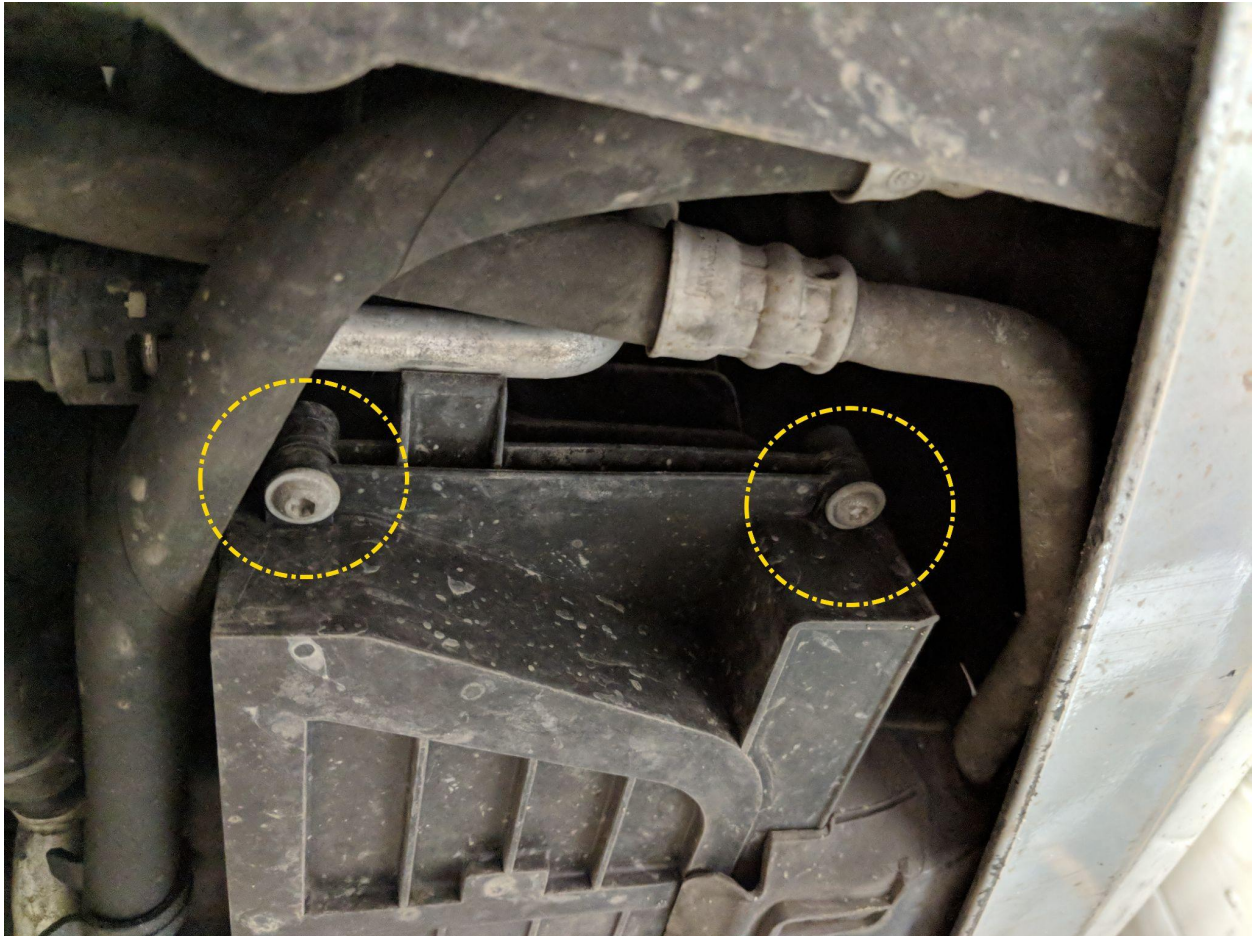
REMOVAL OF THE OEM INTERCOOLER

Step 1:

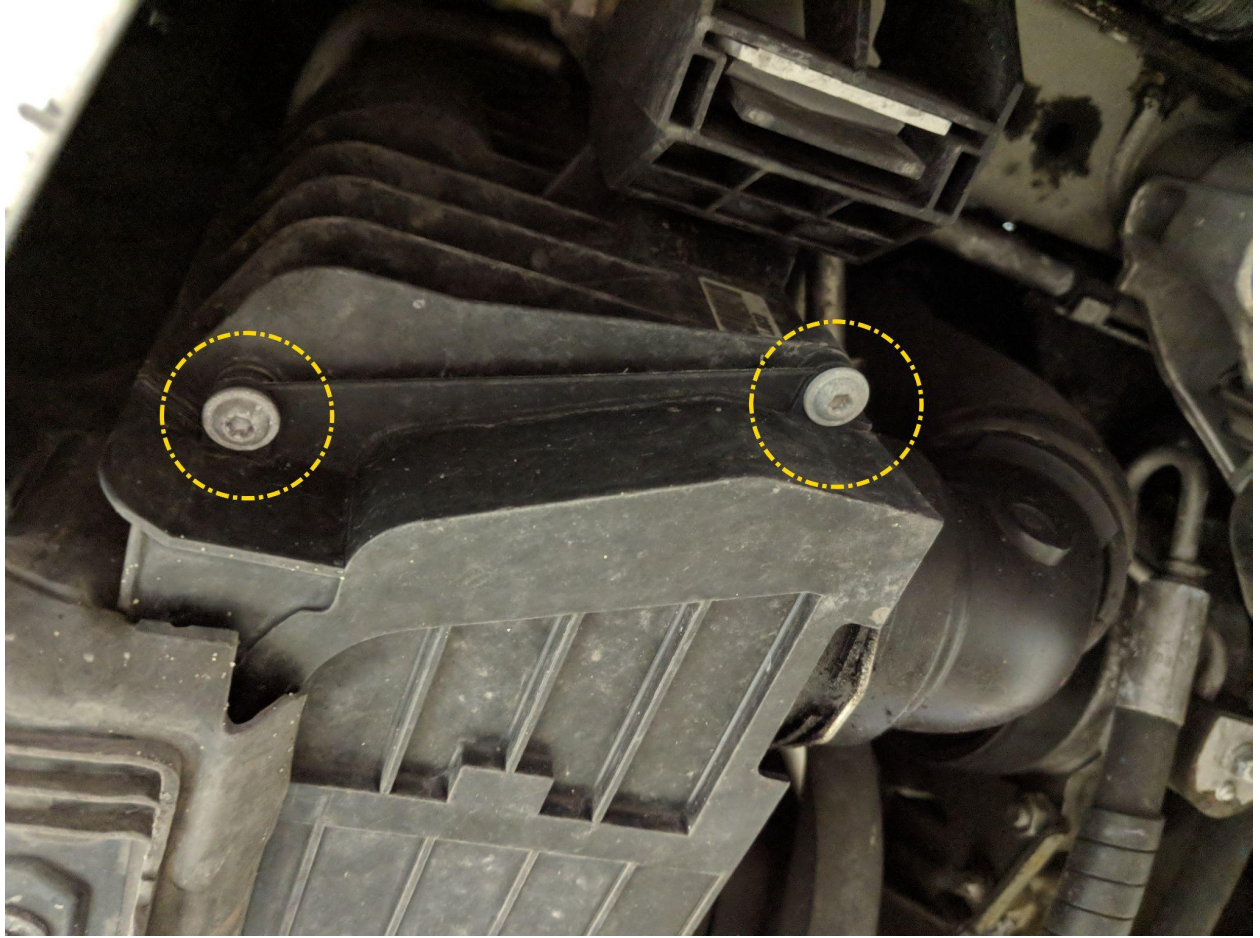
Remove the undertray/splash guard which has 8 8mm screws.

Step 2:

Remove the OEM intercooler tray by removing the 4 8mm screws holding it in and the 4 T25 Torx screws holding the intercooler to the stock mounting locations in the plastic radiator shroud.



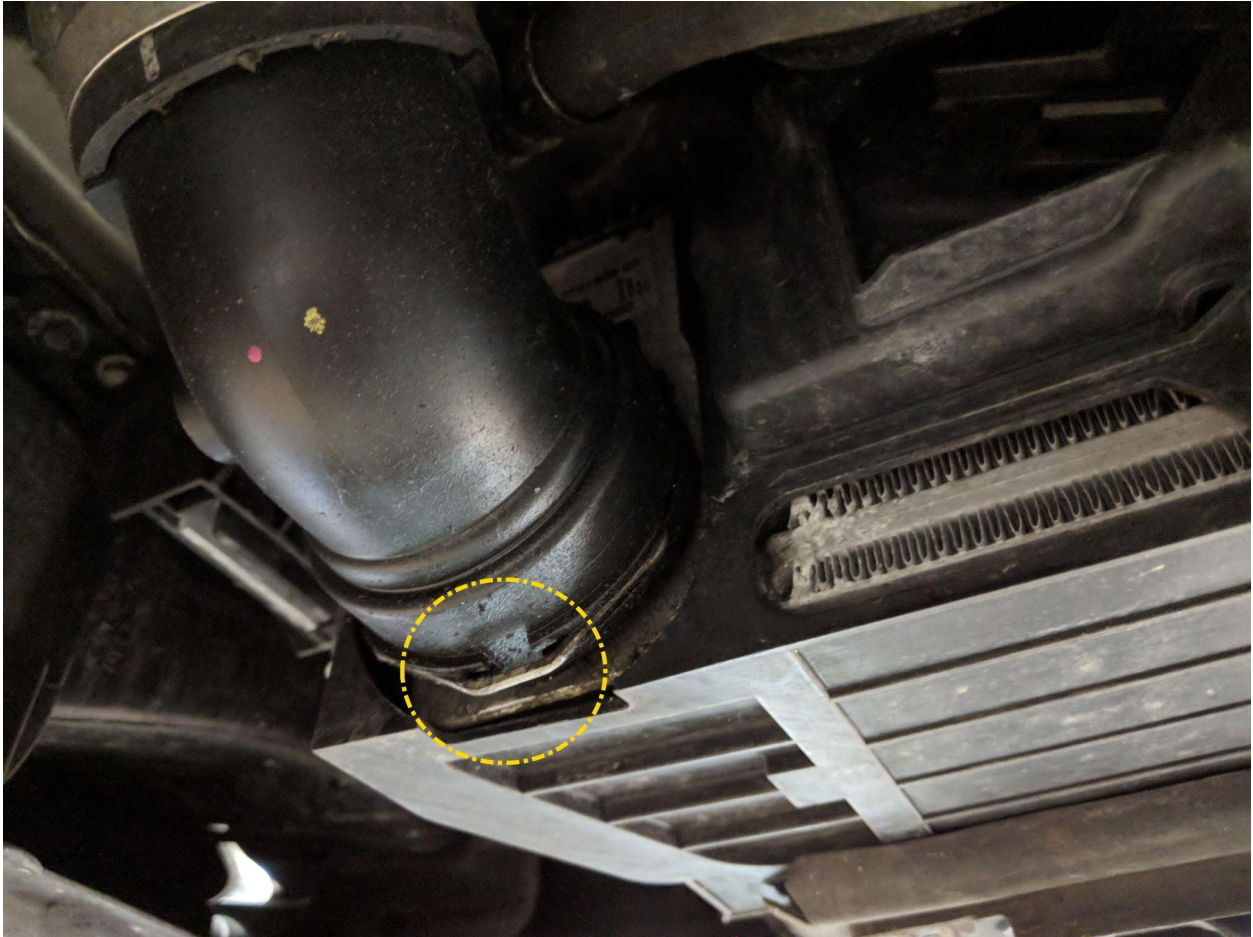






Step 3:

Unclip both sides of the OEM intercooler where it connects to the factory intercooler piping using a pick tool or flathead screwdriver.





Step 4:

At this point you will be able to remove the OEM intercooler from the vehicle.



Step 5:

Remove the turbo outlet pipe on the passenger side of the vehicle by using a dremel tool to cut the one-time use OEM clamp. NOTE: Many E60's have had this clamp cut off previously and may have it replaced with a standard worm clamp. If so, find the appropriate size socket to remove it.



Step 6:

Disconnect the lower charge pipe from the driver side of the vehicle by loosening the clamp connecting it to the charge pipe. At this point you can remove the lower charge pipe from the vehicle.





(OPTIONAL) Step 7:

If you have ordered the ARM E60 Charge Pipe you will want to uninstall the OEM charge pipe at this time. For instructions on uninstalling the OEM charge pipe please refer to our E60 Charge Pipe Install Guide.

Step 8:

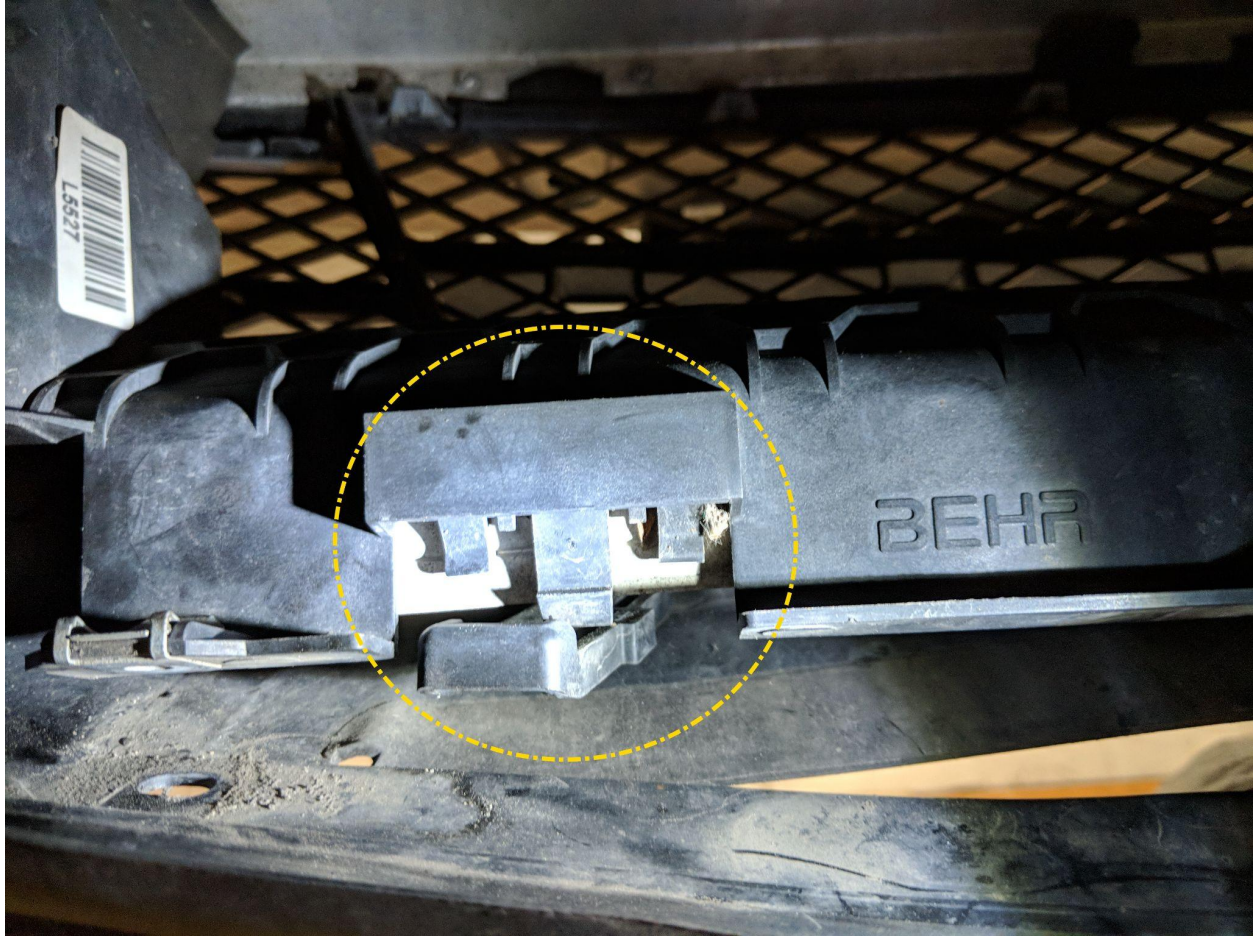
Now we will need to make room for the larger ARM FMIC. To do this we will need to remove the plastic shroud in the lower grille.

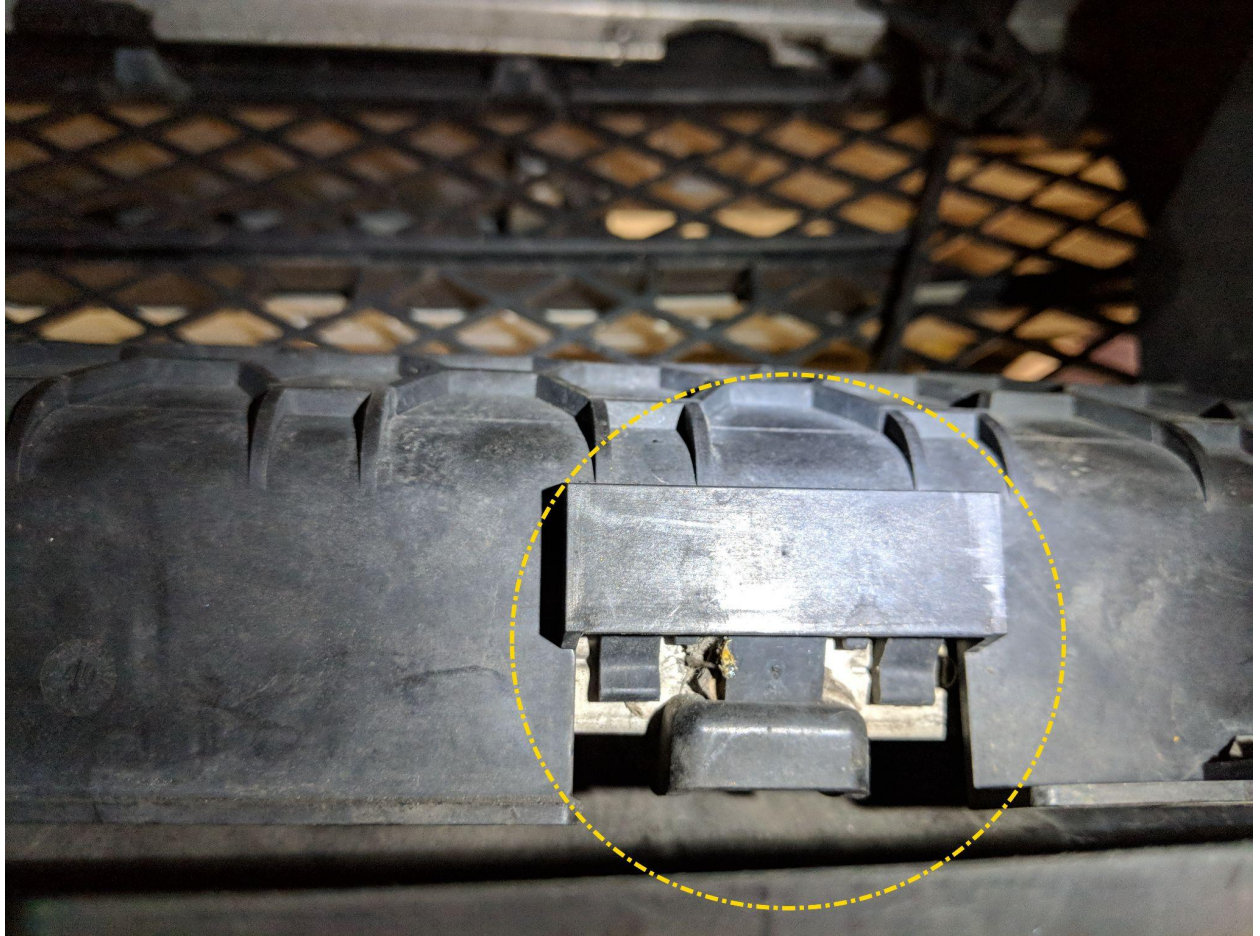
Step 9:

The passenger side of the plastic shroud will be made of soft rubber with an oil line running through it. Use a razor blade to make a vertical cut from the top of the oil line hole to the top of the rubber. This will allow you to slide the oil line out of the shroud holder. Slide the oil line out and away from the shroud.







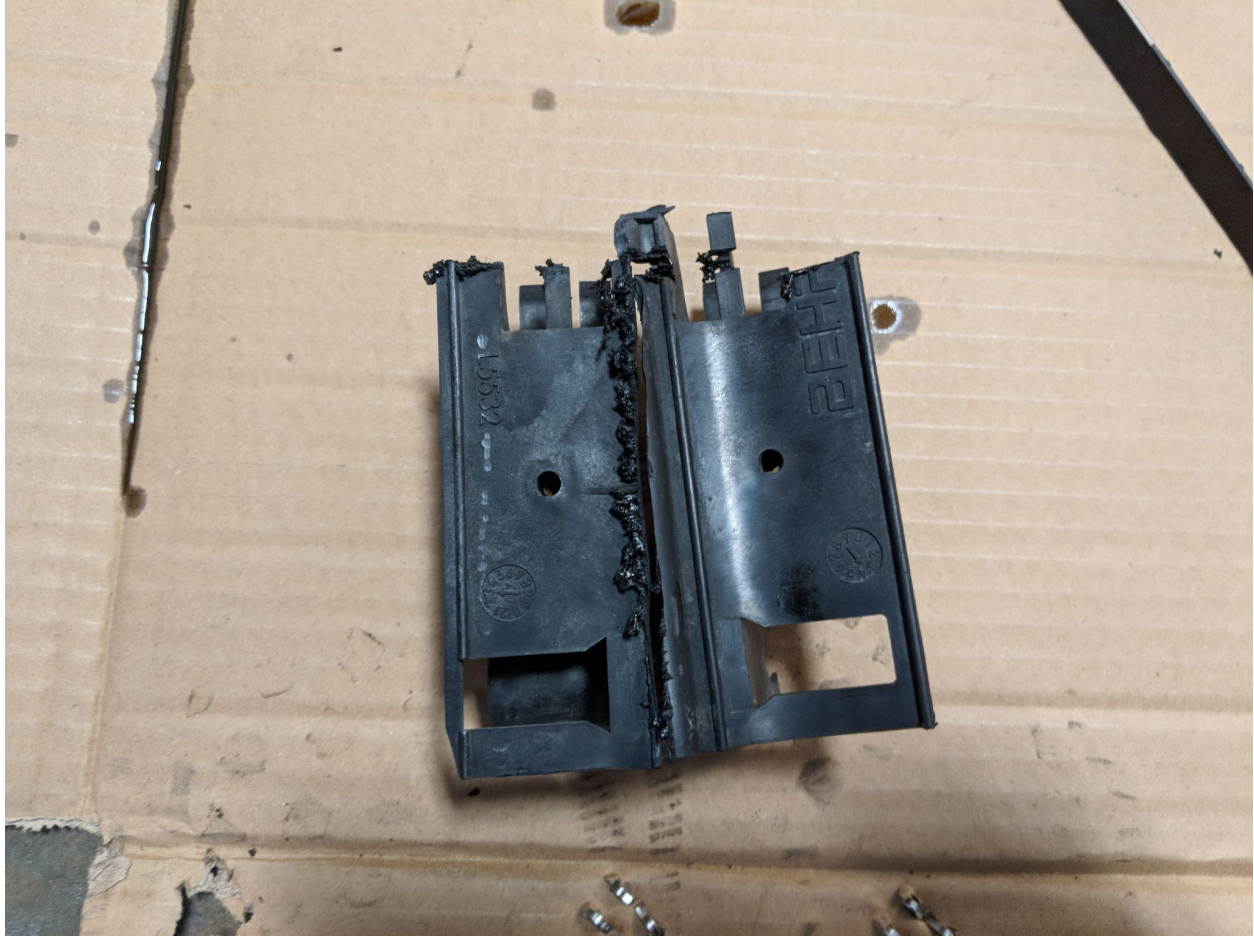


Step 10:

There is a small tab on each side of the vehicle that must be removed from the radiator shroud. Remove this using the dremel tool with the cutting disk.

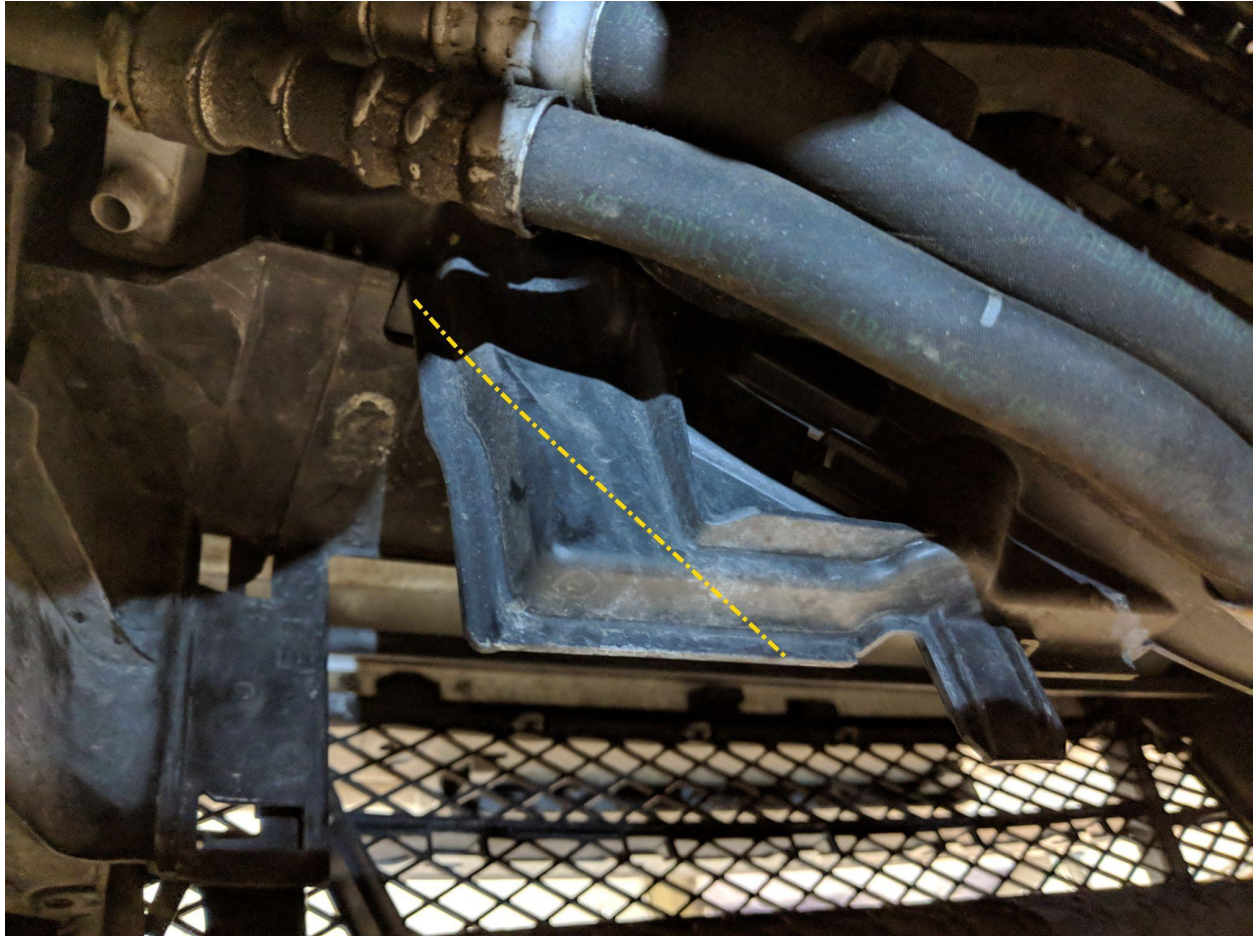






Step 11:

The radiator fan shroud will also need to be trimmed. Use the dremel tool with a cutting disk to cut off the corners of the radiator fan shroud.





Step 12:

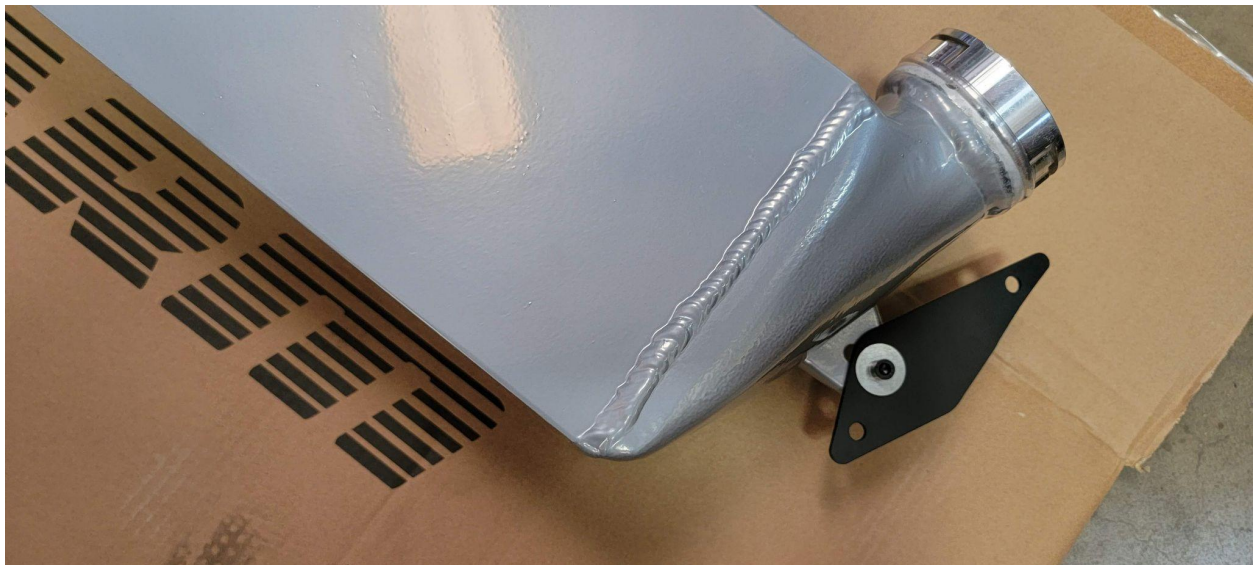
Position the FMIC hoses onto the vehicle. The short FMIC hose will attach to the turbo outlet pipe using the supplied 75/67mm clamp. Make sure to position a 94/86mm clamp onto the lower end to allow for connection to the FMIC once installed.

Step 13:

Insert the driver side hose into the cavity where the OEM lower charge pipe was. Leave it disconnected from the charge pipe at this time. Make sure to position a 100/92mm clamp onto the lower end to allow for connection to the FMIC once installed.

Step 14:

We can now begin installing the ARM FMIC. Position the mounting brackets onto the FMIC using the m6 sized bolts, nuts, and washers.

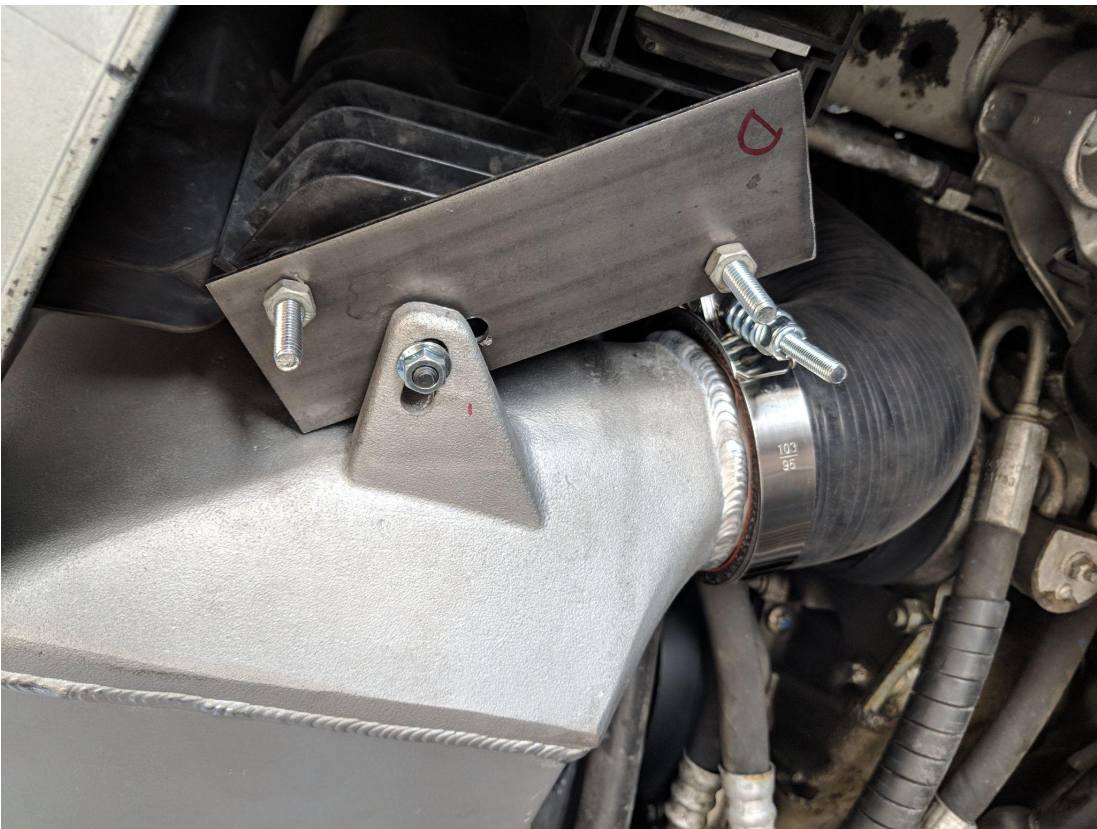
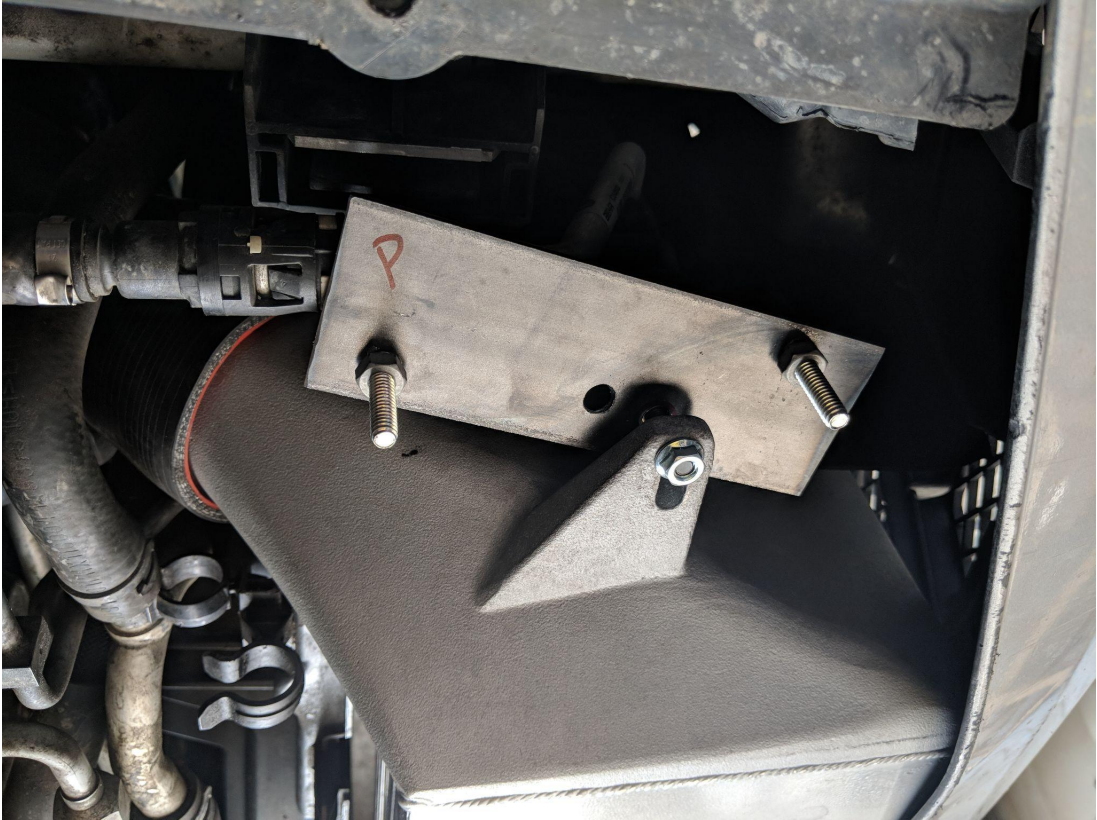




Step 15:

Insert the FMIC with mounting brackets attached into the cavity where the OEM intercooler was. Once you've checked for clearance, mount the FMIC mounting brackets to the radiator shroud using the supplied bolts, nuts, and washers.





Step 16:

Fit both ends of the FMIC hoses around the FMIC connectors and tighten the pre-positioned clamps to just about 13ft lbs.

(OPTIONAL) Step 17:

If you've ordered the ARM E60 Charge Pipe, now is the point where you would install it. Please refer to our E60 Charge Pipe Install Guide.

NOTE: An upgraded 3" charge pipe is required and we can only guarantee the ARM E60 FMIC kit will work with the ARM E60 Charge Pipe due to other brand charge pipes having different lengths and diameters.

Step 18:

Position the 91/83mm clamp onto the top of the FMIC driver side hose and connect it to the charge pipe.

Step 19:

Back underneath the vehicle we are going to double check all connections, bolts and clamps to make sure everything that we've installed up until this point is now tightened.

Step 20:

With everything tightened we can now reinstall the undertray/splashguard.

Step 21:

Installation is complete! Take the vehicle for a test drive to check for leaks by monitoring boost pressure. Actual boost should be within 1-2psi of target boost.

Enjoy your new ARM E60 FMIC!

If you have any questions about the installation process please contact us at getarmed@armmotorsports.com

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