

Isuzu D-Max 2020+ Transmission Cooler Installation Guide

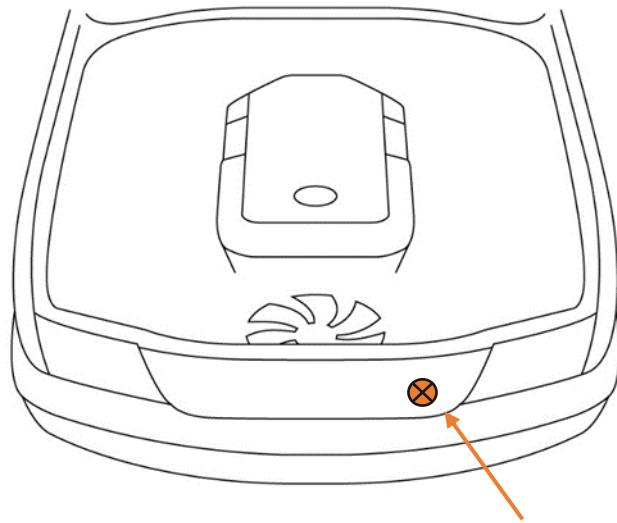
This document is to be used as a guide for the installation of the Isuzu D-Max Transmission Cooler Kit to a 2020 onwards Isuzu D-Max 3.0L 4JJ3-TCX Diesel with automatic transmission. It is recommended that the installation of the product be carried out by a competent qualified mechanic.

Important Before Starting

- Ensure you have the correct tools to complete the fitment
- Read the instructions in full and familiarize yourself with the installation, before commencing any work

Included in the kit

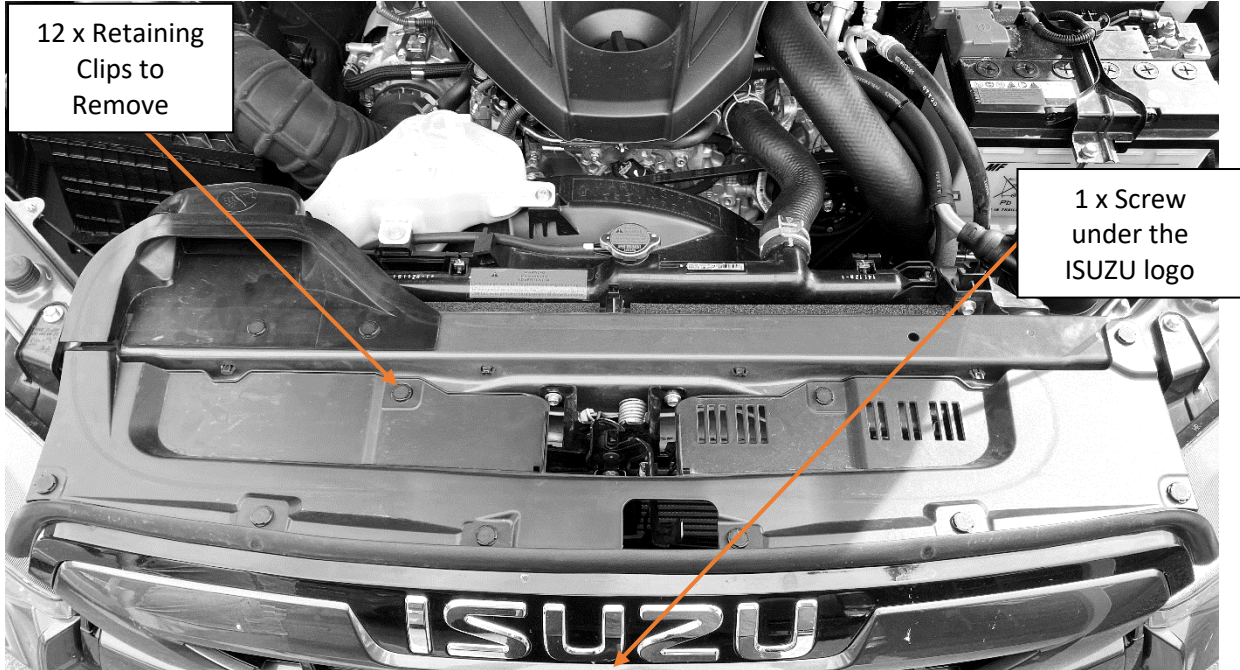
- 1 x Transmission Cooler
- 1 x Upper Mounting Bracket
- 1 x Lower Mounting Bracket
- 1x 2400mm of 3/8" Hose
- 1x 2100mm of 3/8" Hose
- 4 x 15-17mm Clamps
- 8 x Cable Ties
- 8 x M6x16 Bolts
- 16 x M6 Flat Washers
- 8 x M6 Nyloc Nuts
- 1 x P Clip
- 2 x 1500mm of heat sleeve
- 2 x 2300mm of braid



Approximate mounting location

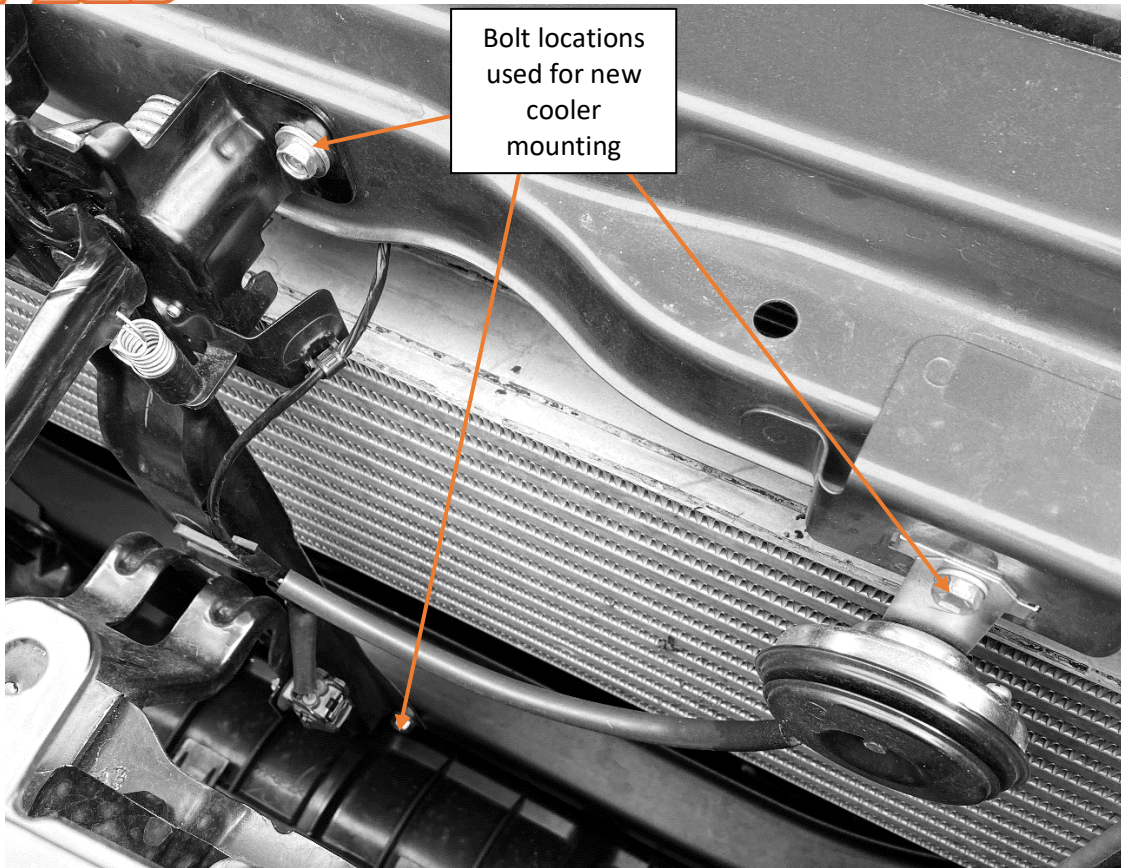
*Kit contents are subject to change based on component availability and/or refinement

1. Begin by removing the front grille top cover plate. It is held in place by 10 clips with an additional 2 securing the air intake duct which need to be removed to allow access to the clip underneath. Once the clips are removed it pulls upward to unclip from the tabs on the far outer edges near the lights, TAKE CARE!



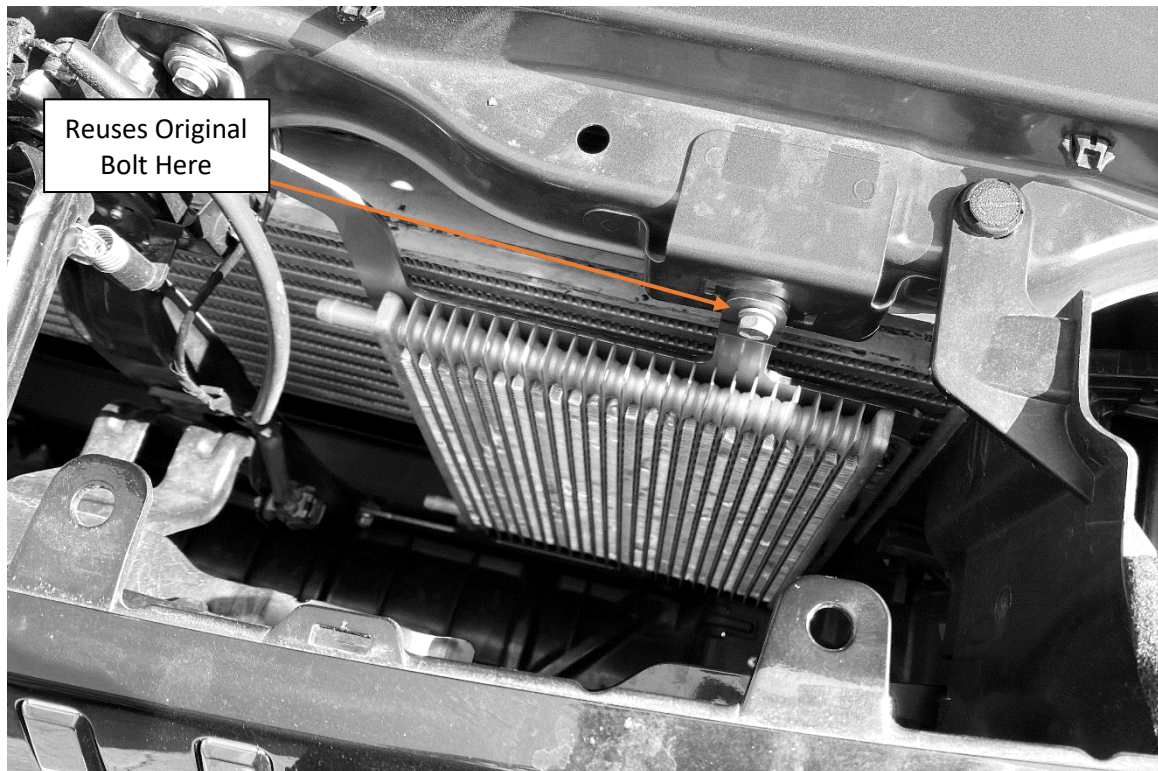
Isuzu D-Max Front of Engine Bay/ Grille

2. Remove the two M6 bolts on the passenger side of the vehicle as shown in the next image. These are the new transmission cooler upper bracket mounting locations. There is also an M8 at the bottom of the center bonnet latch support that also needs to be removed.



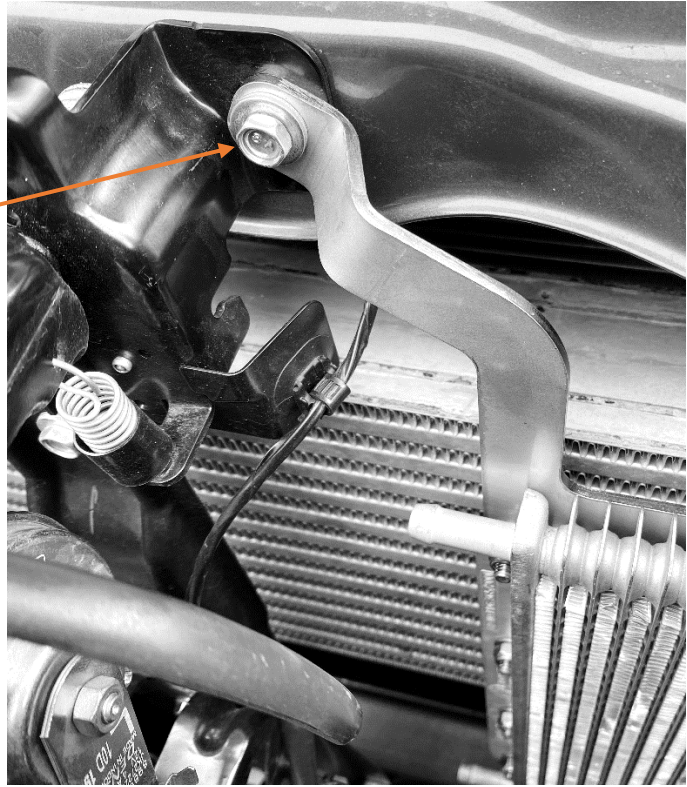
Front grille top cover plate removed, showing the three mounting locations for the new transmission cooler.

3. Assemble the transmission cooler to the brackets in the kit. The assembly will use all 8xM6 bolts, 16xM6 flat washers and 8xM6 nyloc nuts.



Transmission Cooler Assembly Bolted in Place. Note: Cooler sits on front face of brackets, with nuts towards the front, bolts to the rear. Horn not reattached yet in image.

Reuses Original Bolt Here

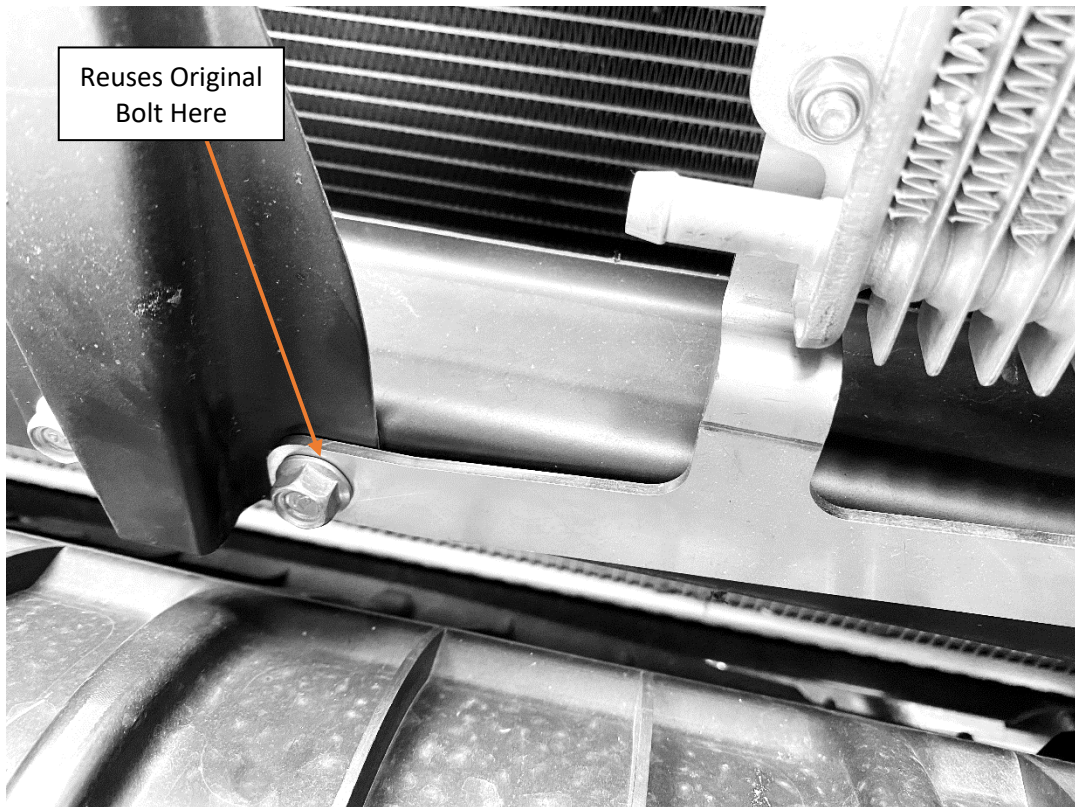


Top Center and Top Outer Transmission Cooler Mount

4. Bolt the new transmission cooler and bracket assembly into the vehicle locating the top off the bolt locations that were removed in step 2.
5. To reinstall it is required to bend the bracket that holds the horn, it is recommended to use a vice when doing this.



Image shows hon bracket modification



Lower Transmission Cooler Mounts, center on left, outer on right

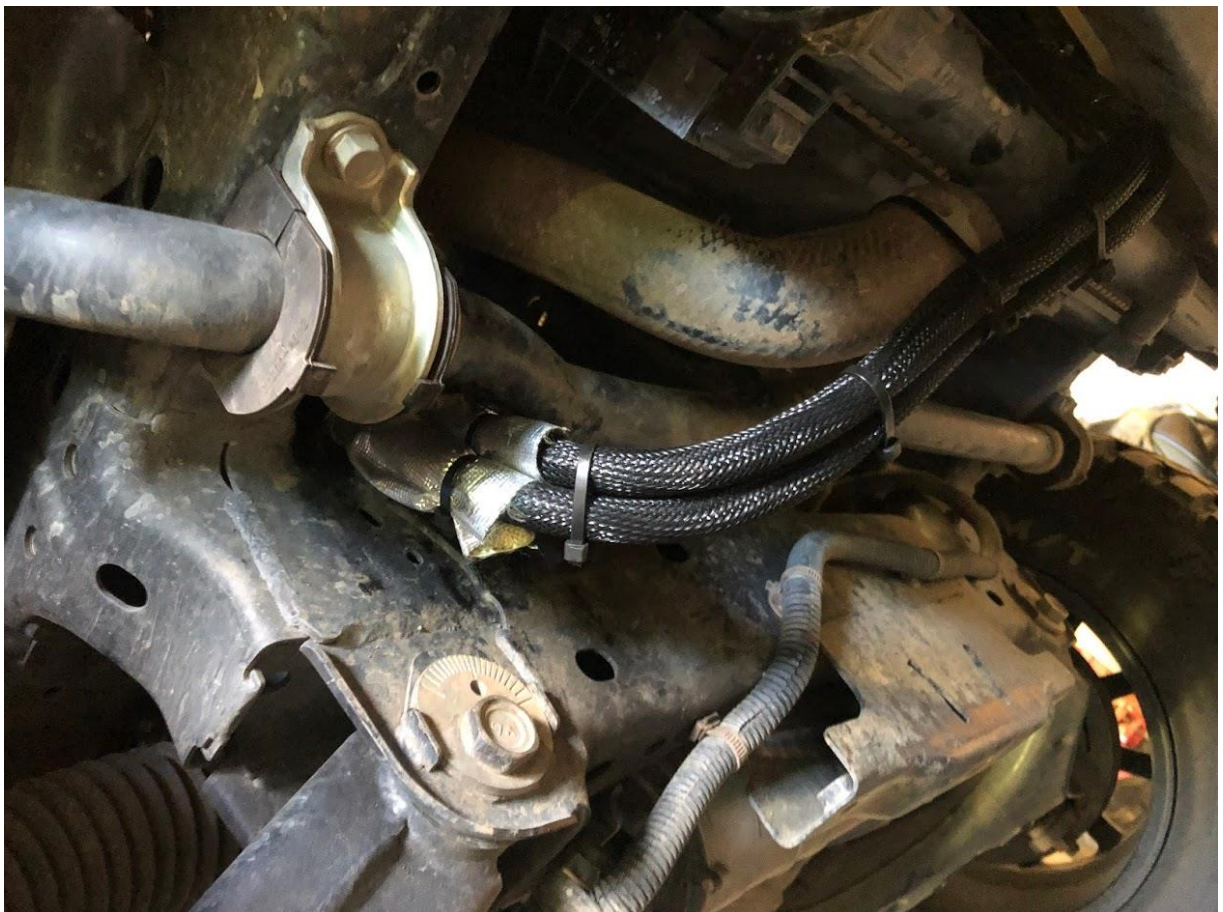


Image shows the suggested hose routing on the drives side of the vehicle

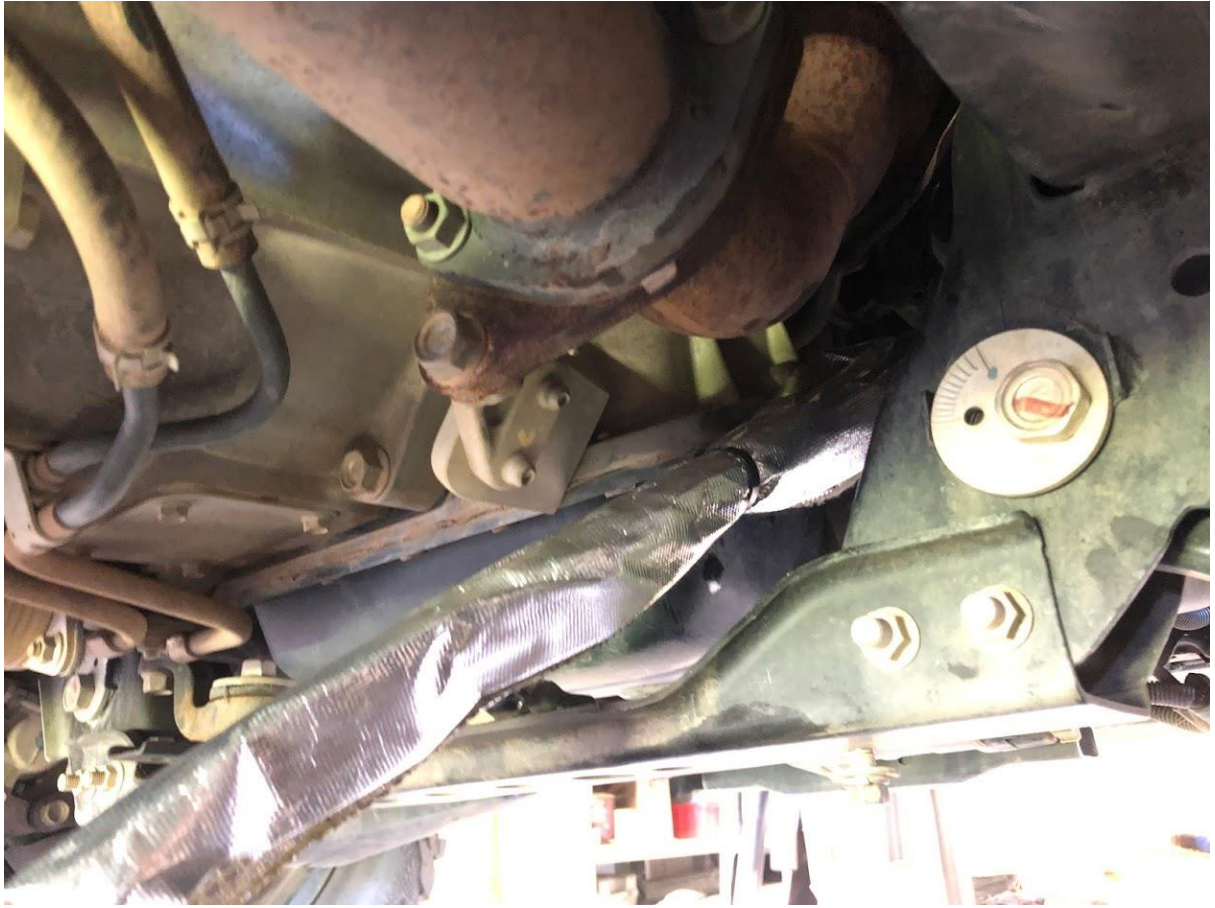
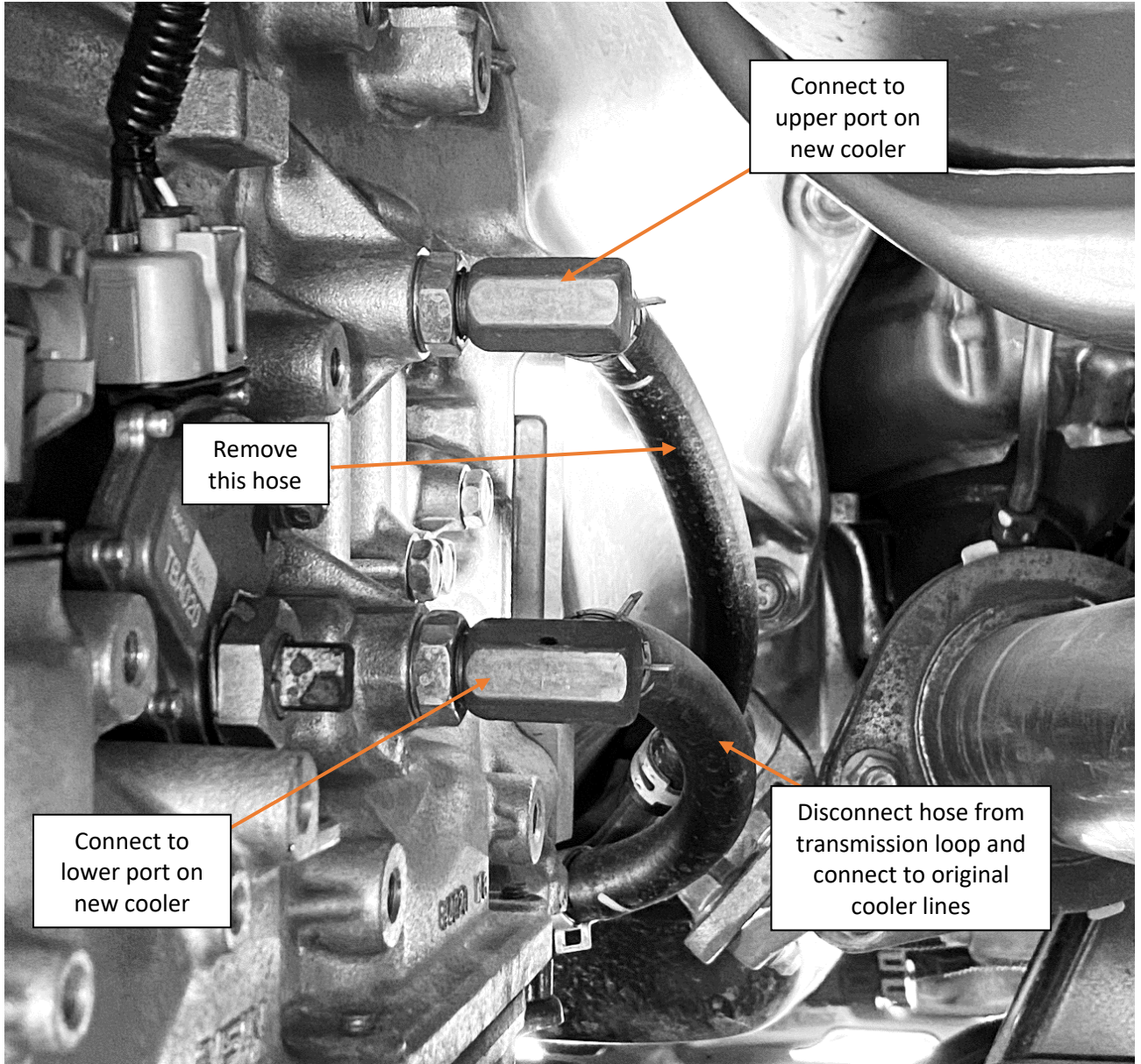


Image shows suggested routing for the hose from behind the front cross member

6. It is recommended to install the braiding and heat sleeve on the each of the hose lengths before routing the hose

Note: The hoses are routed over the top of the front differential housing and steering rack

7. Connect the 2100 mm long hose to the lower port on the transmission cooler, secure in place with a clamp.
8. Connect the other end of the 2100 mm long hose to the outlet (bottom) port on the transmission



The hoses enter and exit the transmission on the right-hand side shown in image. The upper port is the transmission return, the lower port is the transmission outlet.



This image shows the use of the original hose to loop back to the original cooler

9. Connect the 2700 mm long hose to the top port on the transmission cooler, secure in place with a clamp.
10. Connect the other end of the 2700 mm long hose to the return line port that used to connect to the stock transmission cooler, secure in place with a clamp.
11. When securing the hose ensures the hose is routed away from the exhaust as show in the next image



Route the hose away from the exhaust when securing



Make sure hose does not rub on center support

12. Use the insulated P Clip to secure the line from the top port of the new transmission cooler, it uses the third M6 bolt down on the side closest to the center of the vehicle.
13. Use cable ties to secure any loose cooler line to prevent rubbing.



14. The cooler itself holds 120mL of fluid, plus 70mL per meter of hose, measure the total amount required and add that amount of factory specified ATF Transmission Fluid to the transmission.
15. Reinstall the grille in reverse as how it was removed in step 1.

[End of Installation Guide](#)