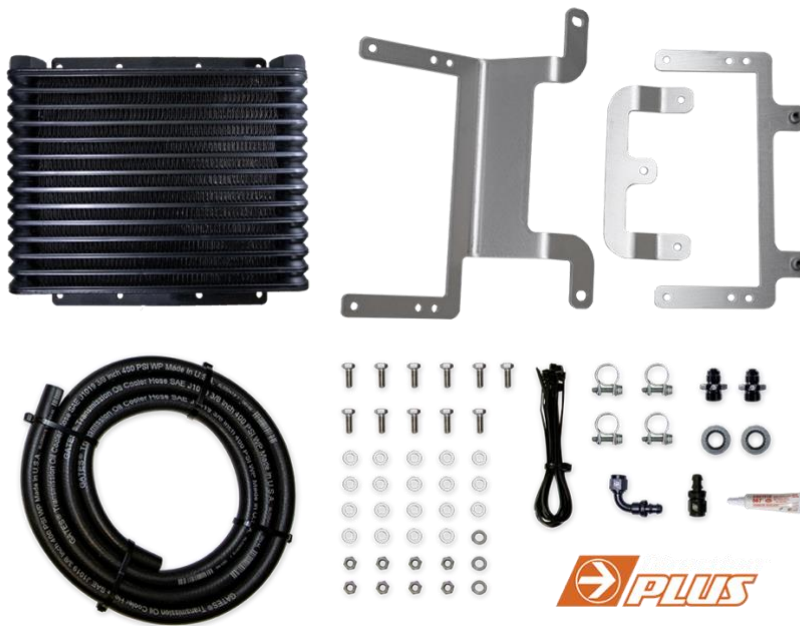


Transchill Arctic Black Transmission Cooler Kit Installation Guide for Mitsubishi Triton MV 2.4L

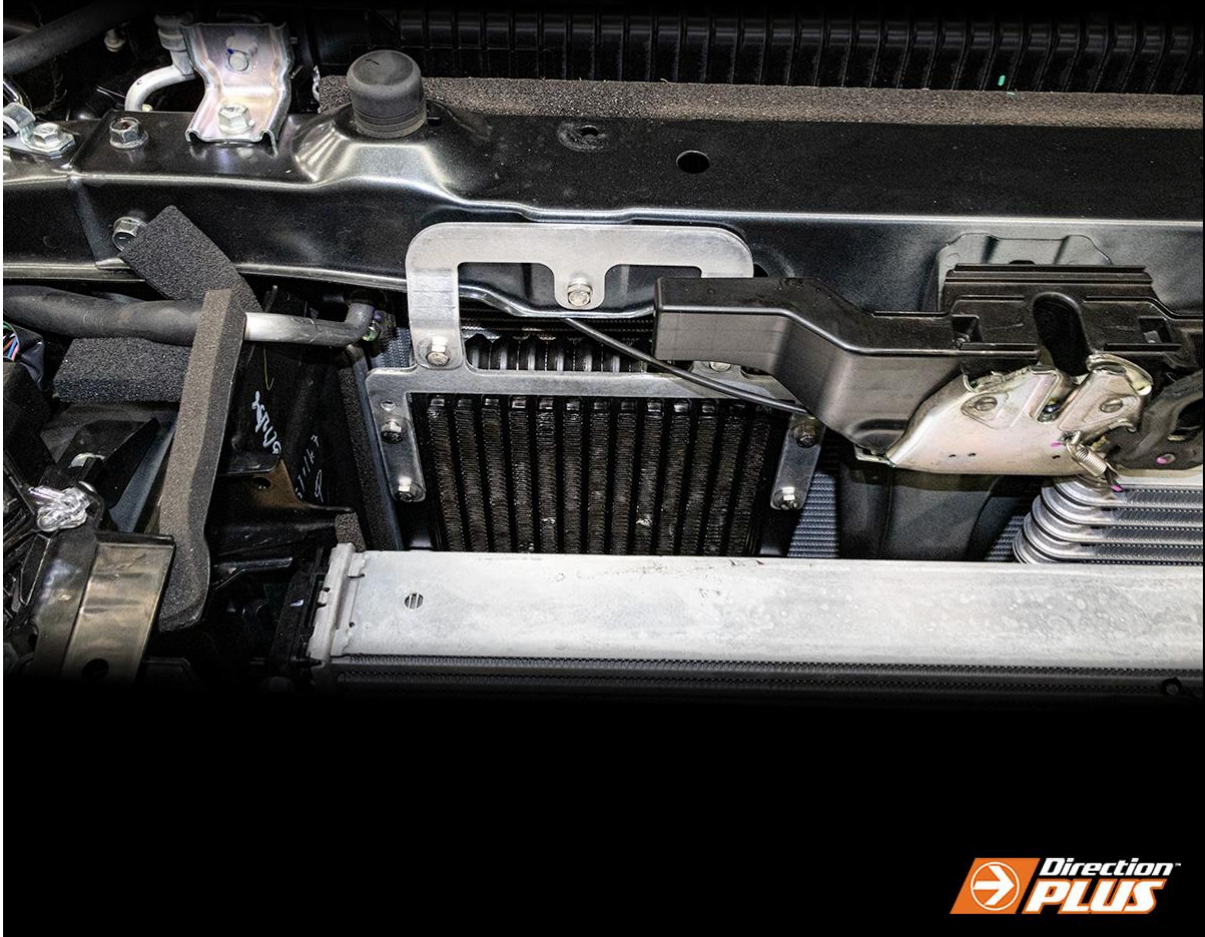
This document is to be used as a guide for the installation of the Direction Plus Transchill Arctic Black Transmission Cooler Kit to a 2024 onwards 2024+ Mitsubishi Triton MV 2.4L 4-cylinder diesel with automatic transmission. **It is recommended that the installation of the product be carried out by a competent qualified mechanic.**

Included in the kit



<i>Loose</i>	<i>Bagged</i>	<i>Cooler Mounting Hardware</i>
1 x 32mm Transmission Cooler (TCC14DP)	4 x 15-17mm Clamps (FMC10)	11 x M6x16 Bolts (SSSS304M616)
1 x Upper Mounting Bracket A (TCB652-BR) 3PCE	8 x Cable Ties (802078)	19 x M6 Flat Washers (FMW6)
1 x Lower Mounting Bracket	2 x -6 to M16x1.5 Adaptors (DP816-6-M1615)	8 x M6 Nyloc Nuts (FMN6)
1x Upper Mounting Bracket B	2 x M16 Washers (PLFW16)	3 x M6 Spring Washers (FMSW6)
1x 1.5m of 3/8" Hose (7212-381BK)	1 x -6 to 3/8" 90° Tail (DPP0090-06)	
	1 x -6 to 3/8" Tail (DPP0001-06)	

**MOUNTING LOCATION
TRANSCHILL TRANSMISSION OIL COOLER KIT
TCB652DPK**

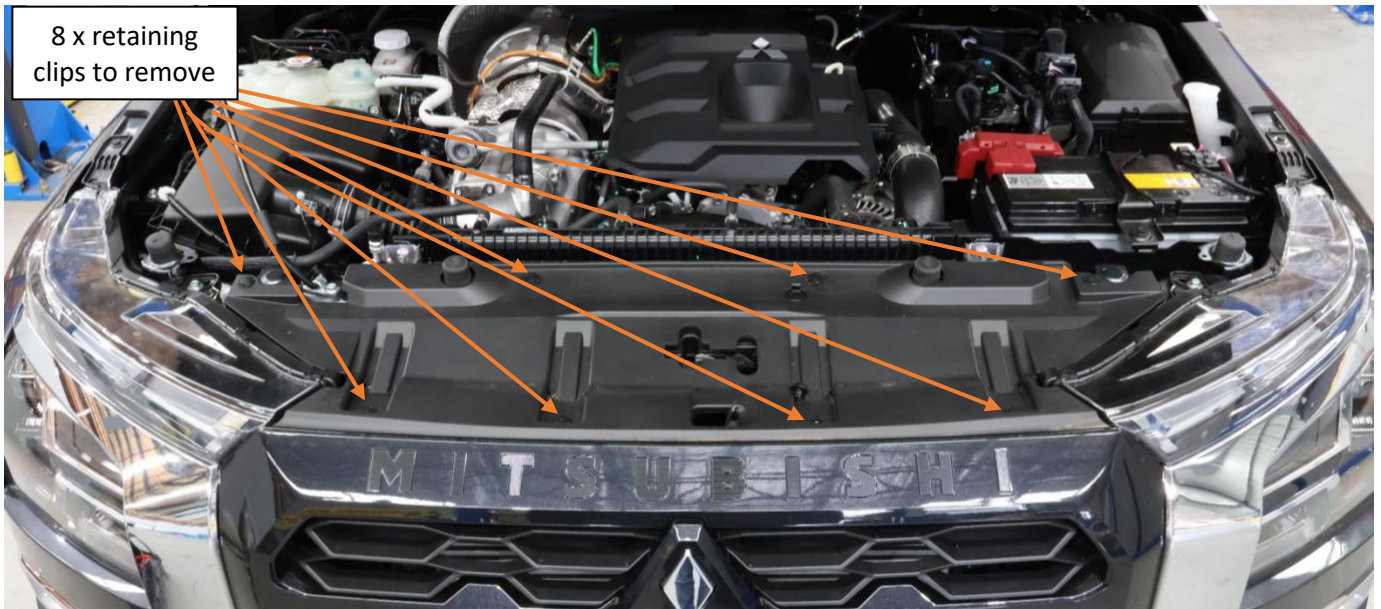


Tools Needed:

- Spanners
- Sockets
- Screw Drivers
- Pliers
- Snips/Cutter
- Rags
- Small container for catching oil drips.

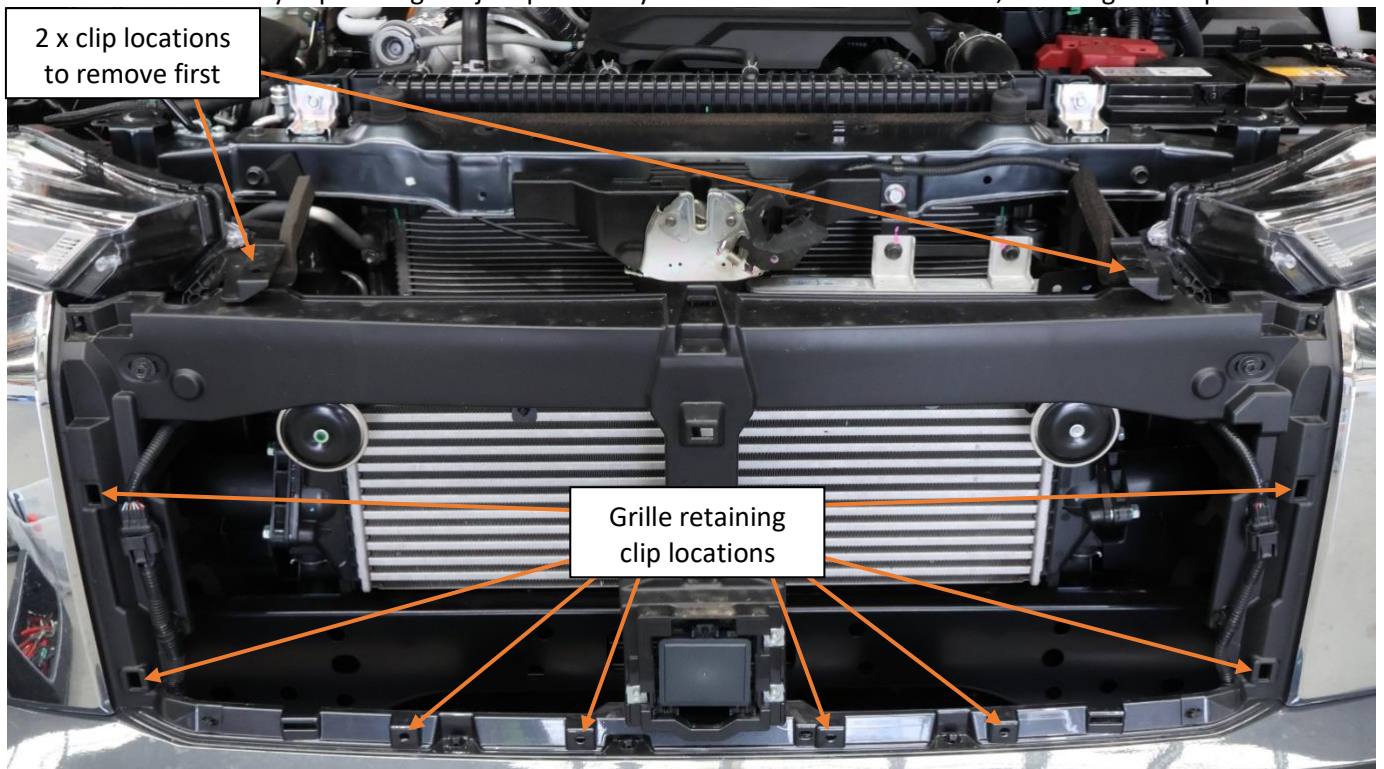
Installation Guide

1. Begin by removing the top trim panel between the radiator support and. It is held in place at the top by eight clips. Once the clips are removed it can be lifted and removed.

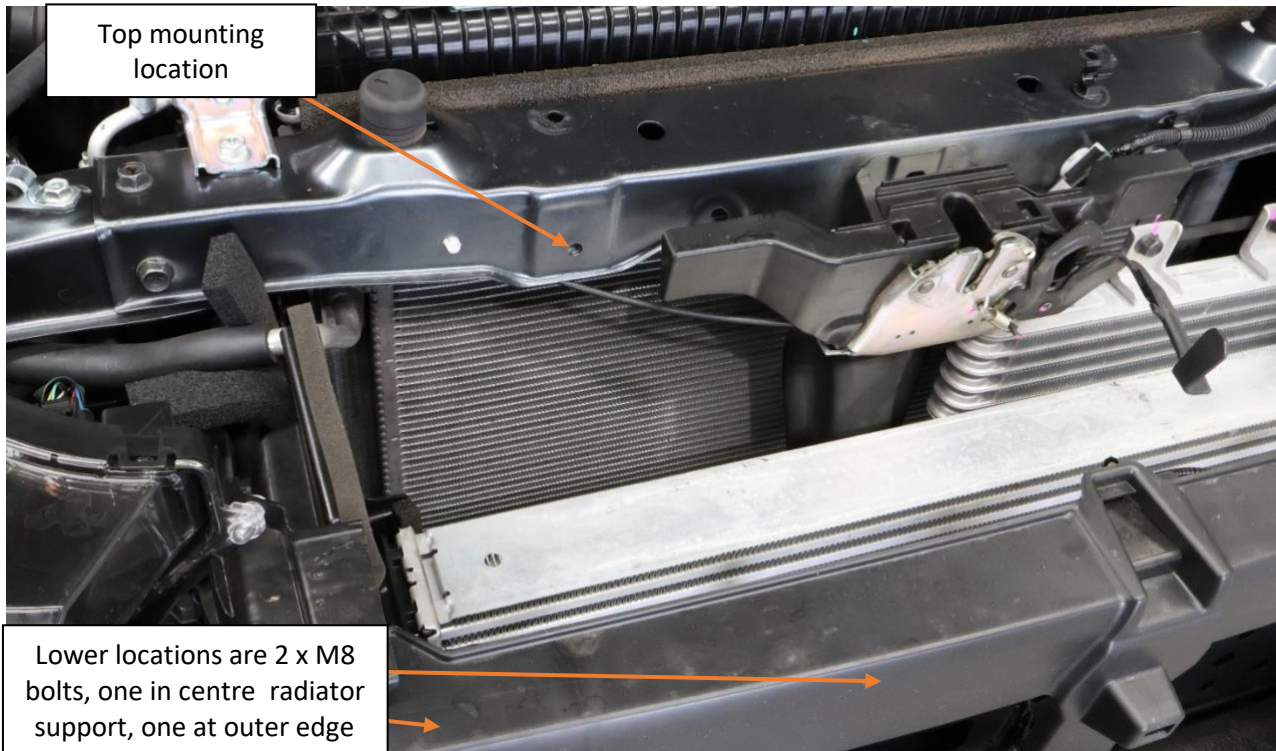


Triton MV Front of Engine Bay

2. Remove the two more clips under the top trim panel. They retain the top corners of the grille. Next unplug the connector for the camera in the center of the grille. The grille can now be removed taking extreme care not to break any clips. The grille just pulls away from the front of the vehicle, see image for clip locations.



Front on view with grille removed showing clip locations

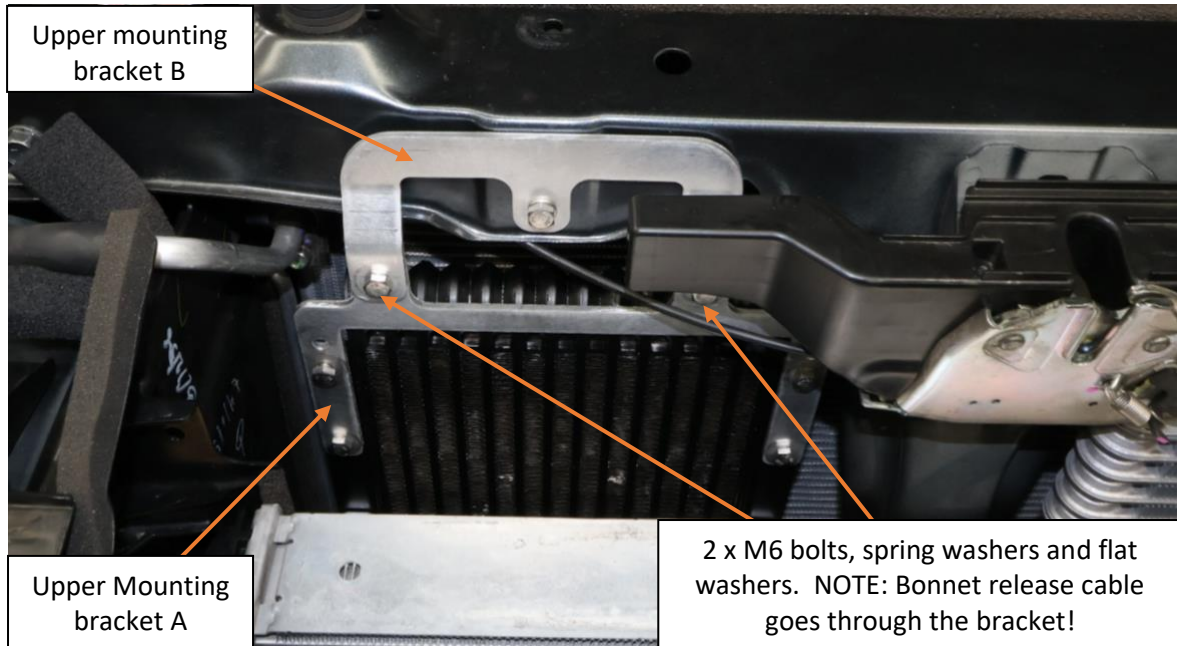


3. Assemble the transmission cooler to the brackets in the kit. The assembly will use 8xM6 bolts, 16xM6 flat washers and 8xM6 nyloc nuts. The cooler mounts to the rear face of the brackets with the fittings to the center of the vehicle.
4. Secure the M16x1.5 threaded adaptors to the ports of the transmission cooler, making sure to use an aluminium 16mm washer under each and Loctite 567 or similar to secure them in place.

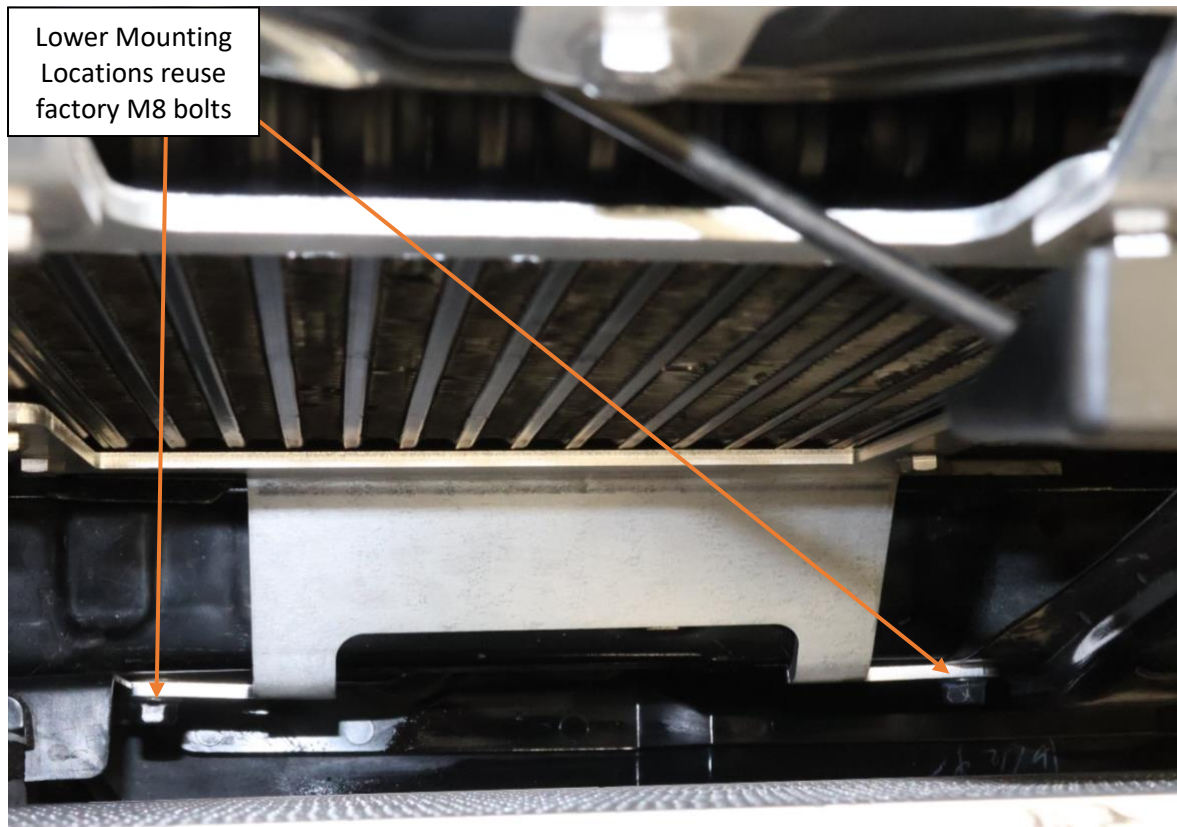


Cooler assembly with fittings in place at correct orientation

5. Remove the two M8 bolts from the lower radiator support, they will be reused to hold the lower mounting tabs of the transmission cooler bracket.
6. Loosely bolt the new transmission cooler and bracket assembly into the vehicle locating the top off the two bolts removed in step 5.
7. Install upper mounting bracket B to the empty M6 threaded hole in the upper radiator support identified earlier. Use an M6 bolt, spring washer and flat washer to secure in place. Use the final two M6 bolts, spring washers and flat washers to secure upper mounting bracket B to the M6 rivet nuts in upper mounting bracket A.



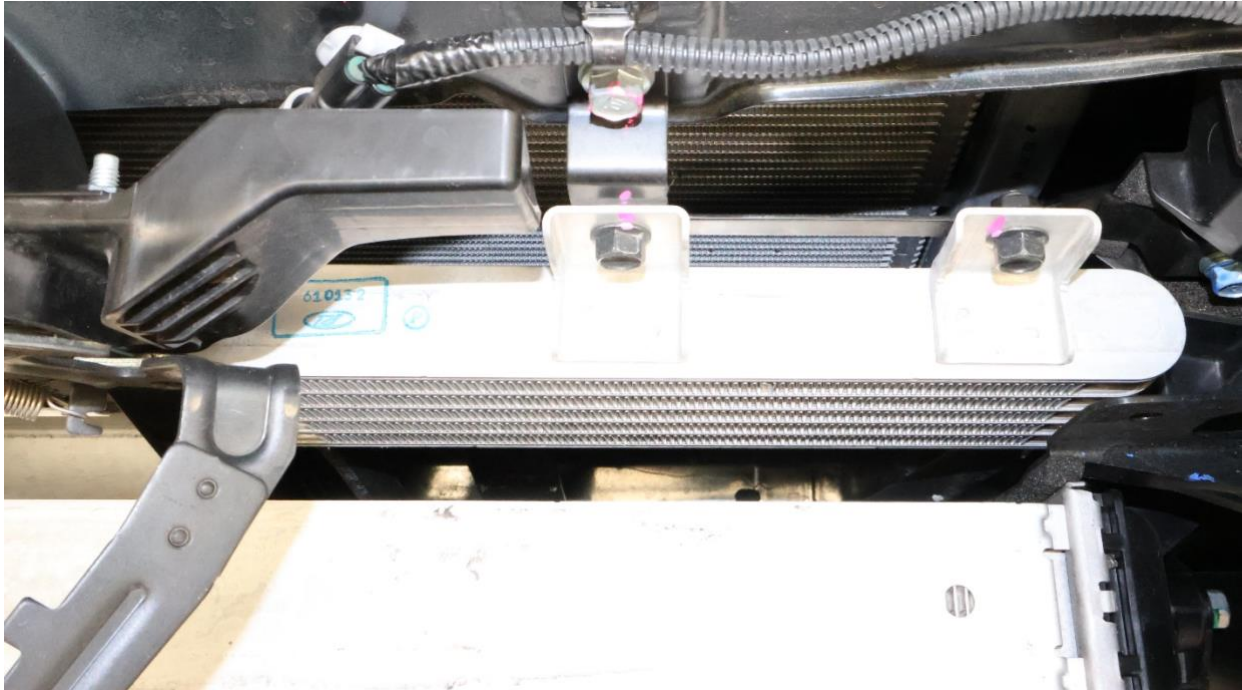
Upper mounting bracket A and B in place, bonnet release cable runs through the two for correct function



Transmission Cooler Assembly Bolted in Place.

8. Once the cooler is in its final location you can tighten all bolts.
9. Cut the 3/8" hose in half and push one end of each onto the two -6 fittings.
10. Use the 90° fitting on the upper port, again using Loctite 567 or similar to secure in place. The 90° fitting should be aimed at the bottom fitting. This is the fluid return line from the new cooler

11. Use the straight fitting on the lower port, again using Loctite 567 (or similar) to secure in place. This is the fluid supply line to the new cooler.
12. From the lower port fitting, run the hose to the passenger's side of the vehicle. Measure and cut the hose to length and connect the other end to the outlet port on the stock transmission cooler. Secure in place with a clamp.



Stock transmission cooler and lines underneath.

13. From the top port fitting, run the hose to the passenger's side of the vehicle. Measure and cut the hose to length and connect the other end to the hard steel return line to the transmission that used to connect to the stock transmission cooler, secure in place with a clamp.
14. The cooler itself holds 500mL of fluid, plus 70mL per 1m of hose, calculate the total amount and top up the transmission using the correct factory specified transmission fluid.
15. Reinstall the grille and radiator trim panel in reverse as it was removed in step 1 & 2. Don't forget to plug back in the front camera!

End of Installation Guide