COOLMASTER

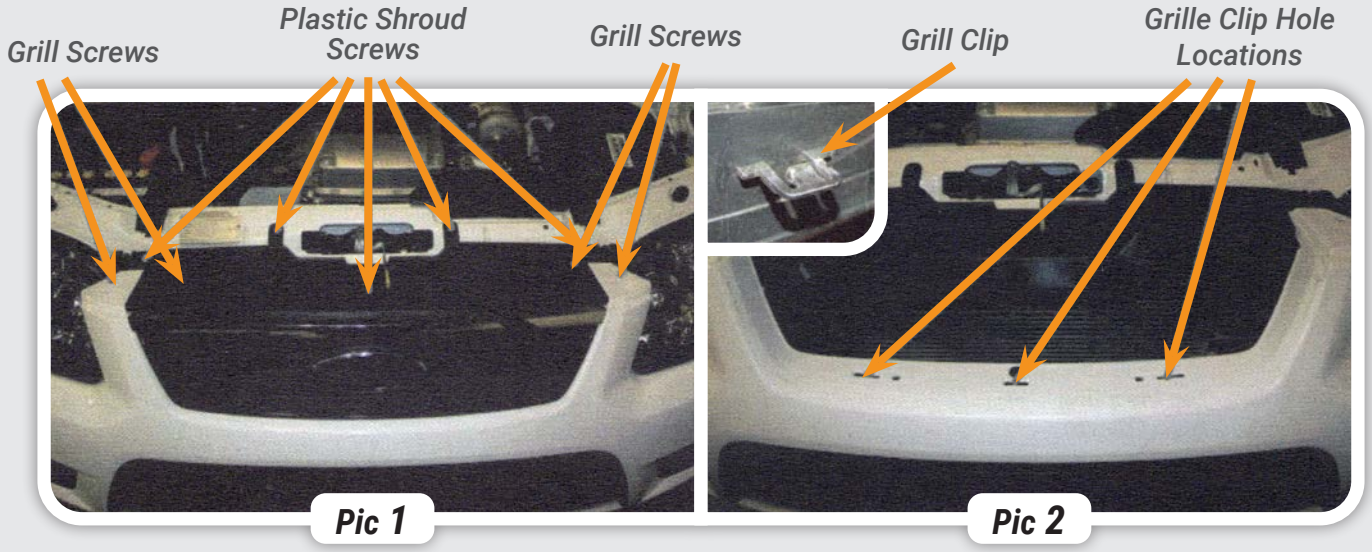
Fitting Instructions

Part № **49485K4SP**

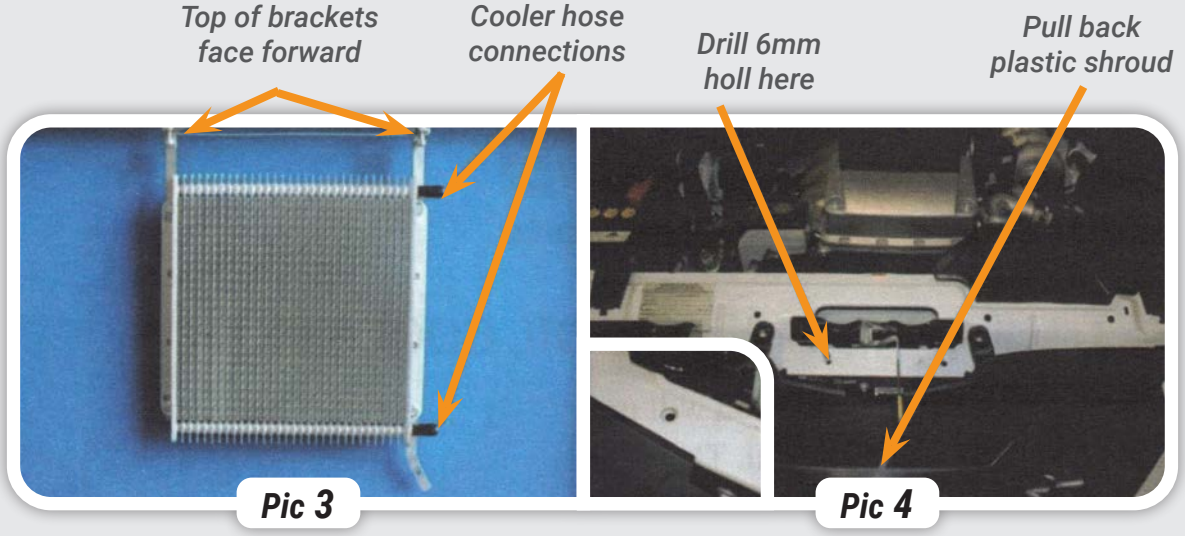
Kit contains:

- Extra Large High Flow Cooler
- Powder Coated Steel Bracket
- 2.5 meters Cooler Hose
- 2 meters Conduit
- 1 Fixed Washer Bolts M6 x 20
- 2 x Cable Ties
- 6 Cooler Hose Clamps
- 2 Hose Connection Barb Fittings
- 2 Nuts M6 Hex
- 3/8 steel U pipe
- Instructions

1. Loosen the front shroud and remove the front grill by removing the 3 plastic shroud screws and the 2 steel 10mm bolts then the 4 plastic grill screws. **(Pic 1)**

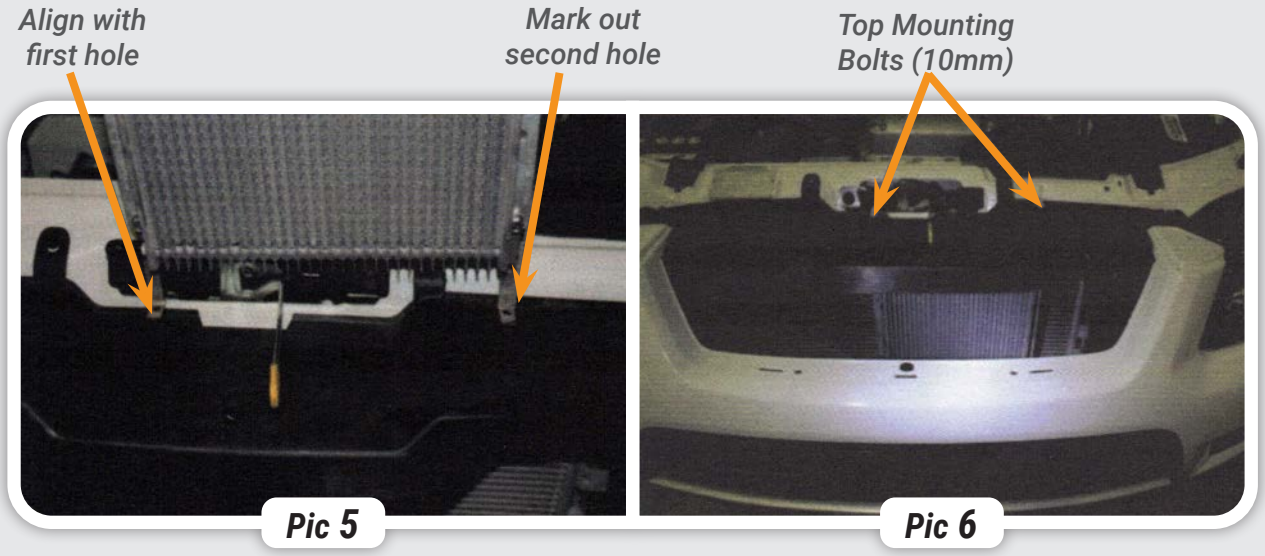


2. To remove the grill once the screws are removed you will need to lever the 3 bottom clips on the grill **(Pic 2)** using a flat blade from behind the grill to unclip the grill. They won't need much pressure to allow the grill to be removed.
3. Now remove the oil cooler, the two large brackets and the 7 x 10mm bolts and nuts supplied in the kit.
4. Attach the two larger brackets to the cooler as shown in **Pic 3**. The longer bracket needs to be fitted on the same side as the cooler hose connections. The top of the brackets also need the bolt holes facing forward.



5. Now pull the plastic shroud forward, drill the first hole for the left cooler bracket. Use **Pic 4** as a reference as it needs to be in the correct position to allow the bottom of the cooler to align correctly. (There is a hole in the top layer of the panel, drill in the center of that.)

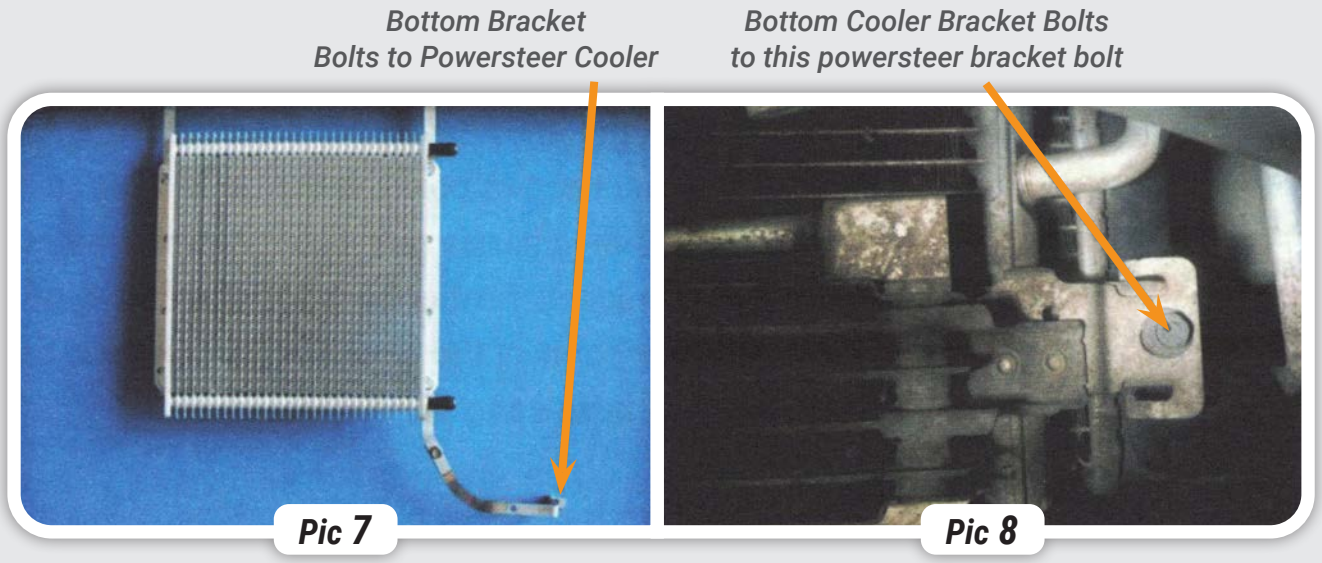
6. *Now using the cooler as a template place it upside down and install a bolt through the first hole then mark and drill the second hole. Make sure you pull the plastic shroud back so you don't drill through it.*



Pic 5 Pic 6

7. *The cooler can now be installed by fitting the top two bolts and nuts. Leave them a bit loose as it helps fit the bottom bracket. The cooler bolts may also need to be backed off to help fit the bottom bracket.*

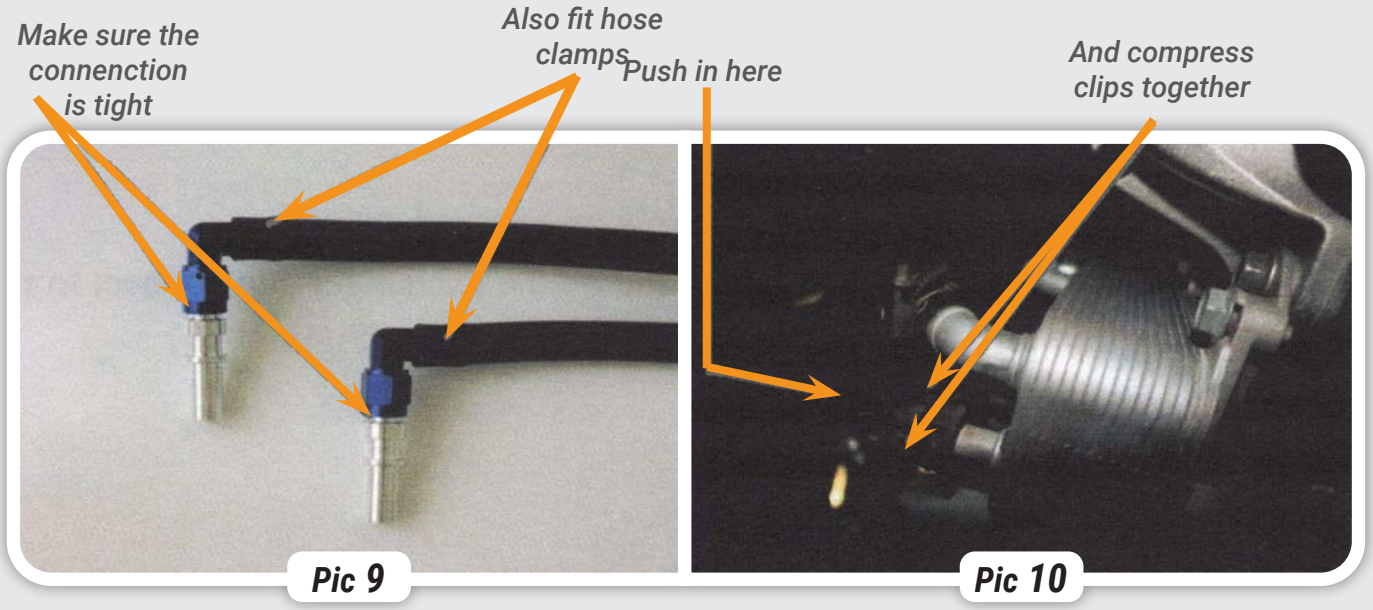
8. *Using* ***Pic 7*** *as a guide fit the bottom bracket supplied as shown.*



Pic 7 Pic 8

9. *The bottom bracket bolts on to the power steering cooler bolt shown in* ***Pic 8****. Once bracket has been fitted tighten all bolts to complete cooler core installation.*

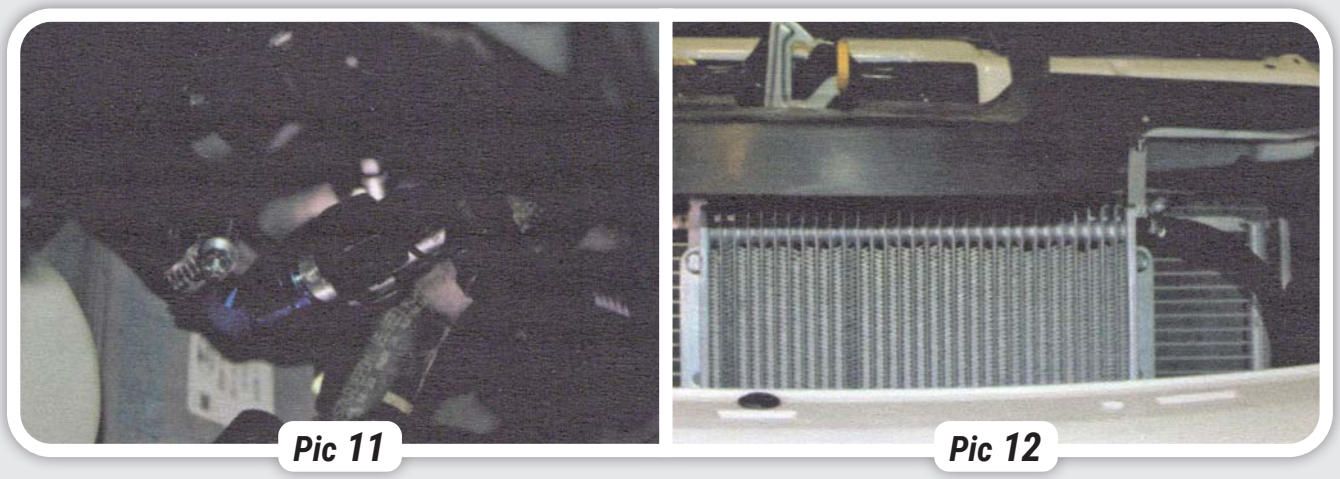
10. *Installing the hose is very straight forward using the two cooling hoses supplied fit the exchanger hose adaptors as shown in* ***Pic 9****. Also fit hose clamps and ensure sure they are tight.*



Pic 9 **Pic 10**

11. *Disconnecting the plastic quick release hose connections may not be that quick. The connection needs to be pushed on so that the clips can be released. A spray of WD40 will help if any dirt is stopping them from releasing . A lever can be used but make sure your other hand is releasing the clips. (Transmission oil will leak out of exchanger)*

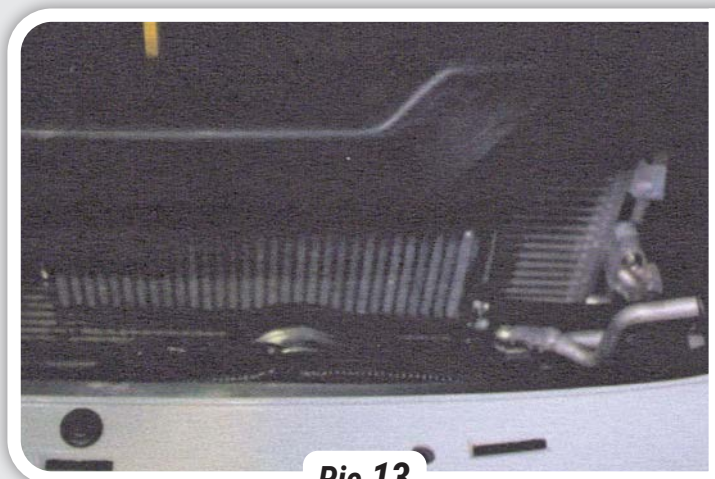
12. *Once both of the lines have been released from the heat exchanger you need to position the OEM pipes as close as possible to the chassis rail. The top pipe may need to have some brackets further back loosened to allow this to happen. Now connect the new adaptors and run the new transmission hose up to the cooler.*



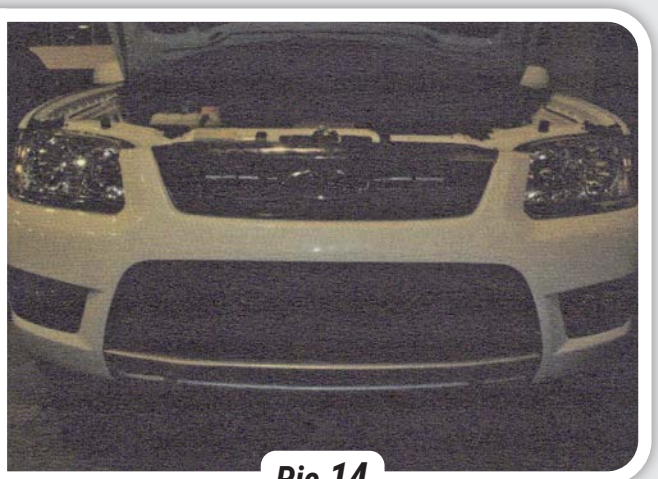
Pic 11 **Pic 12**

13. *Before you connect the hose to the cooler it is recommended to cable tie the hoses along the chassis so the hose can be trimmed to length. The top line on the exchanger can connect to the top line of the cooler see.* ***(Pic 12)***

14. *The bottom line on the exchanger can connect to the bottom line of the cooler.* ***(Pic 13)***



Pic 13



Pic 14

15. *Make sure all connections and bolts are tight then start engine to check for oil leaks. If no leaks are detected you can replace the grill and shroud screws. The cooler is now installed. Finally install the hose joiner and clamps supplied in the sub kit (CKT-0I0F-1) to the water hoses.The Heat Exchange Unit has now been totally by-passed.*

PLEASE NOTE: TRANSMISSION FLUID WILL NEED TO BE TOPPED UP. BOTH THE ION (4 SPEED) AND THE ZF6HP26 (6 SPEED) HAVE A FILL PLUG ON THE DRIVER'S SIDE AT THE REAR OF THE TRANSMISSION. PLEASE REFER TO OEM SPECIFICATIONS FOR FILLING PROCEDURES AND FLUID TYPES.