

# Toyota Hilux N80 2016-2019 Transmission Cooler Installation Guide

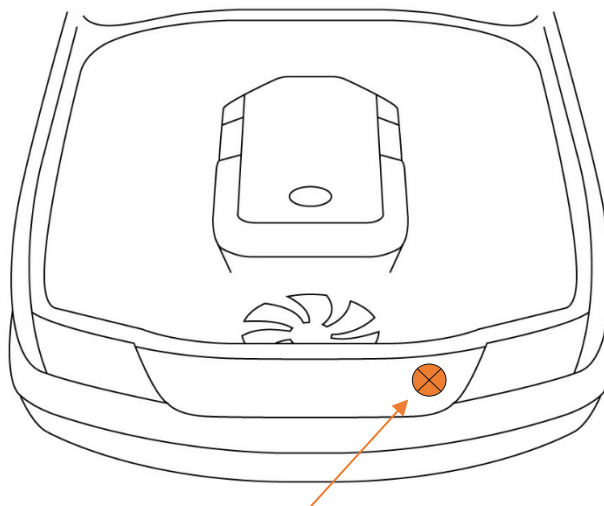
This document is to be used as a guide for the installation of the Direction-Plus™ Hilux N70 Transmission Cooler Kit to a 2016-2019 Toyota Hilux N80 with automatic transmission. It fits both 4.0L V6 and 2.8L diesel versions. It is recommended that the installation of the product be carried out by a competent 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

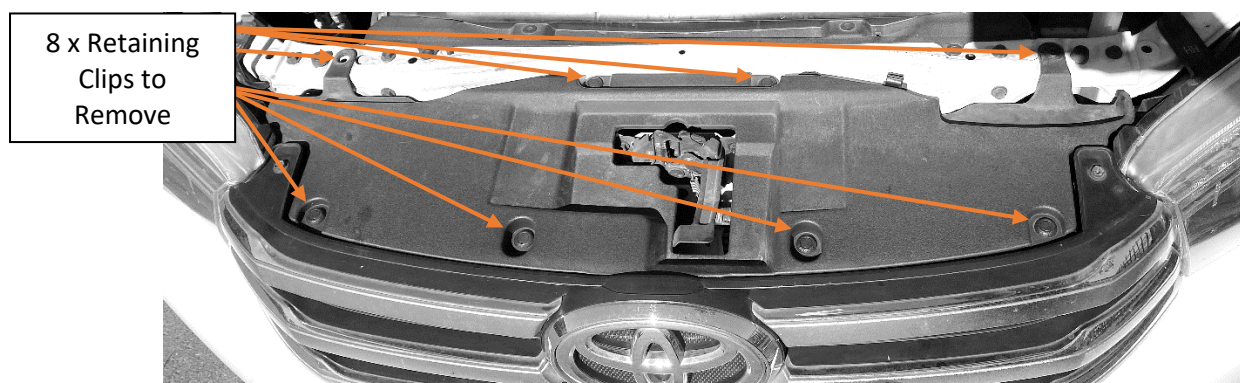
1 x Transmission Cooler  
1 x Upper Mounting Bracket  
1 x Lower Mounting Bracket  
1x 3m of 3/8" Hose  
6 x 15-17mm Clamps  
8 x Cable Ties  
3 x M8x16 Bolt  
4 x M8 Flat Washer  
1 x M8 Nut  
3 x M8 Spring Washer  
8 x M6x16 Bolts  
16 x M6 Flat Washers  
8 x M6 Nyloc Nuts  
1 x Magnafine ATF filter



Approximate mounting location

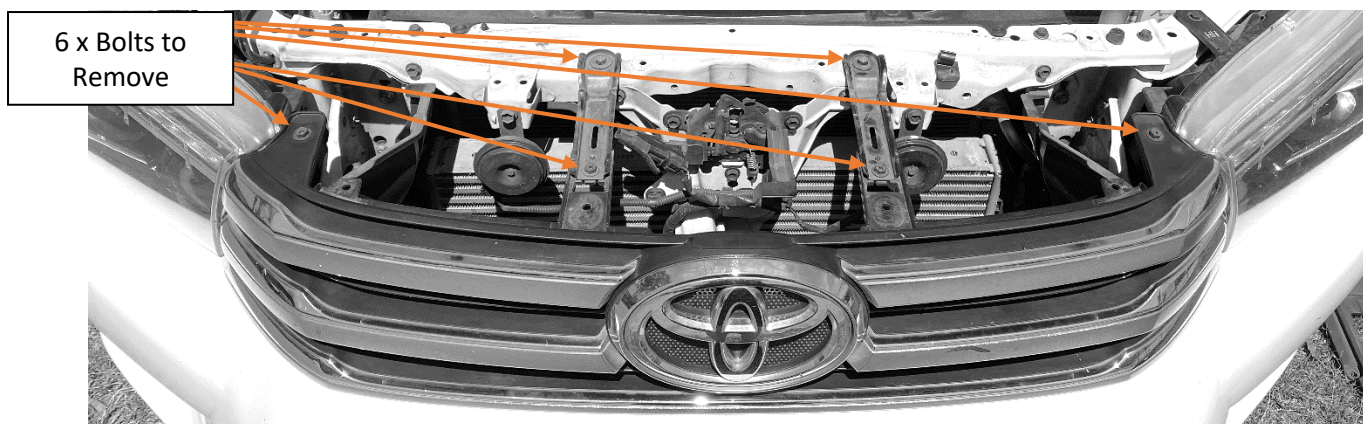
## Installation Guide

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.

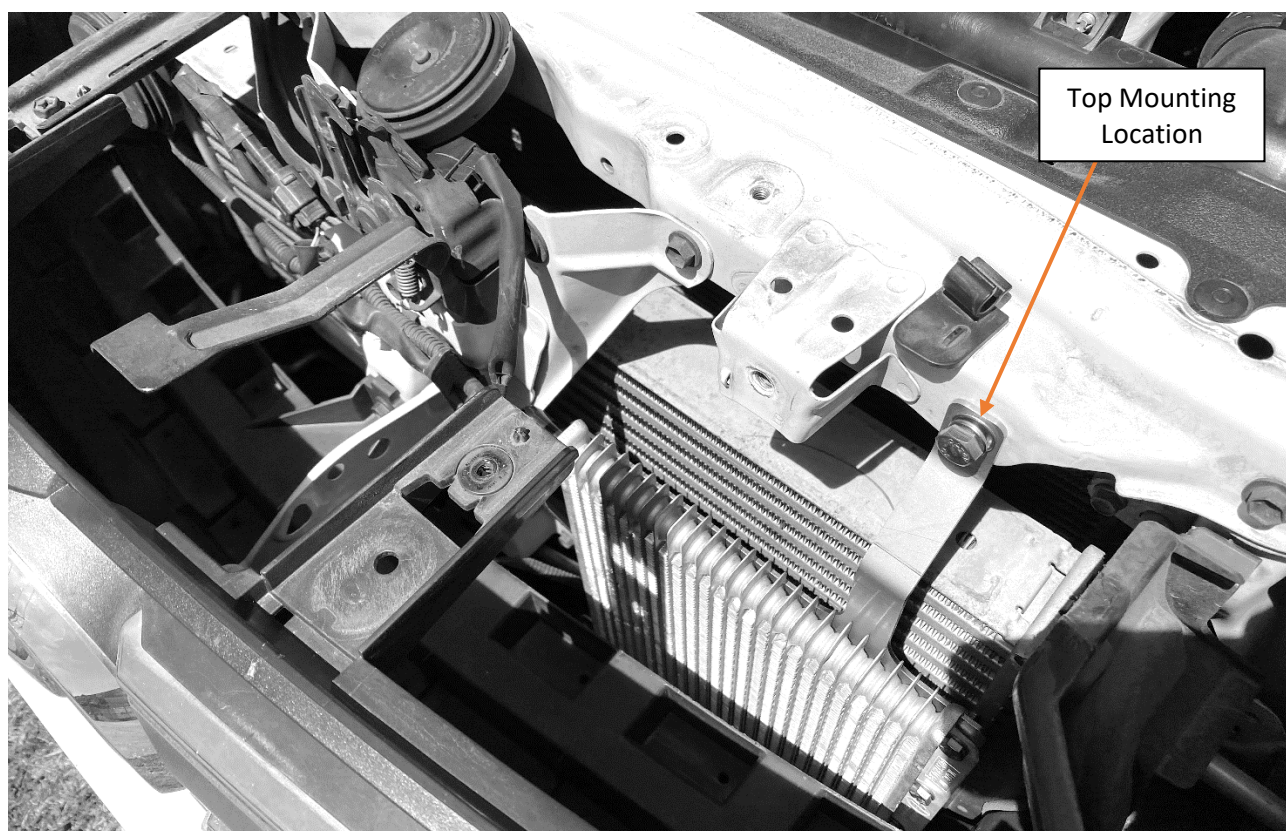


N80 Hilux Front of Engine Bay

2. Remove the top six bolts that help support the grille. Next separate the grille from the clips that hold it to the stock front bumper. Pry down on the clips gently behind the grill so each one pops out. Remove the M8 bolt that retains the horn on the passenger side and lift the horn up of the way.



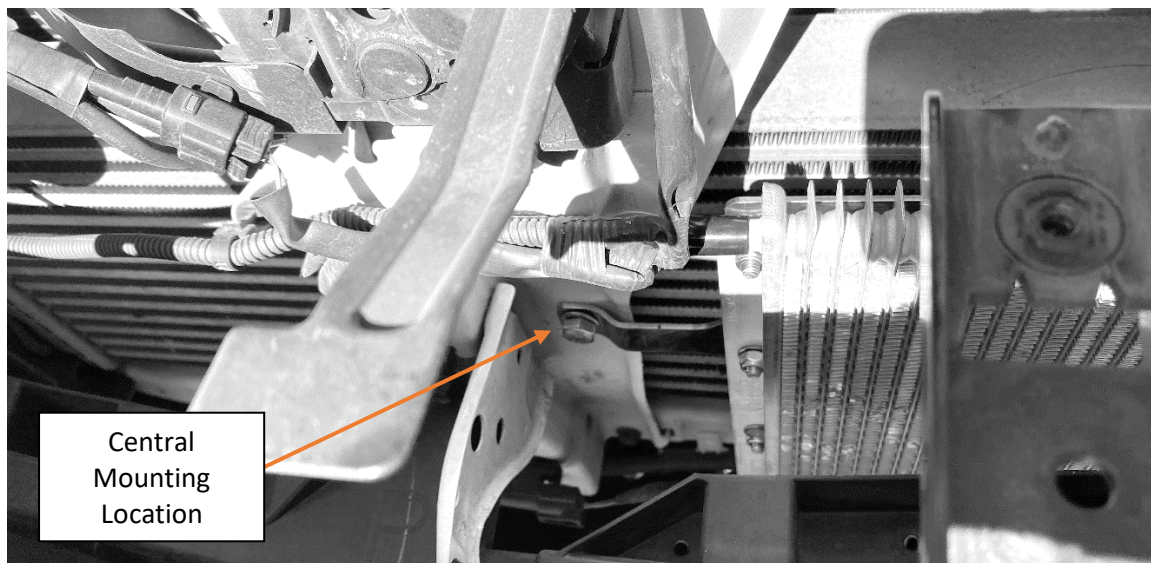
3. Assemble the transmission cooler to the brackets in the kit. The assembly will use all 8xM6 bolts, 16xM6 flat washers and 8xM6 nyloc nuts.
4. Bolt the new transmission cooler and bracket assembly into the vehicle locating the top off the M8 threaded boss next to the horn mounting location. Use an M8x16 bolt, M8 spring washer and M8 flat washer here



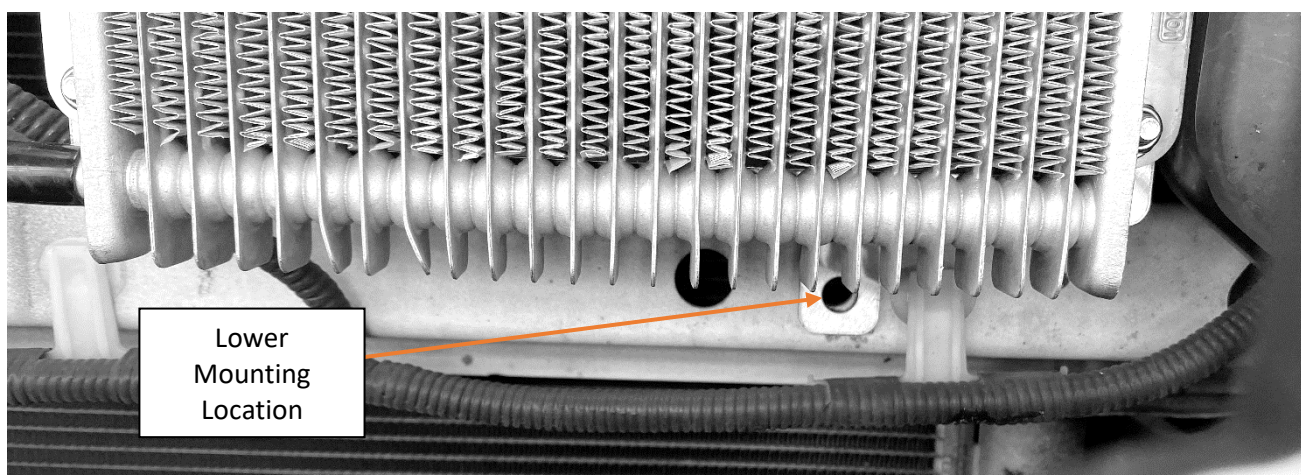
*Transmission Cooler Assembly Bolted in Place. Note: Cooler sits on front face of brackets.*

5. Use another M8x16 bolt, M8 spring washer and M8 flat washer to secure the central mounting tab to the spare M8 threaded hole in the center bonnet release support.

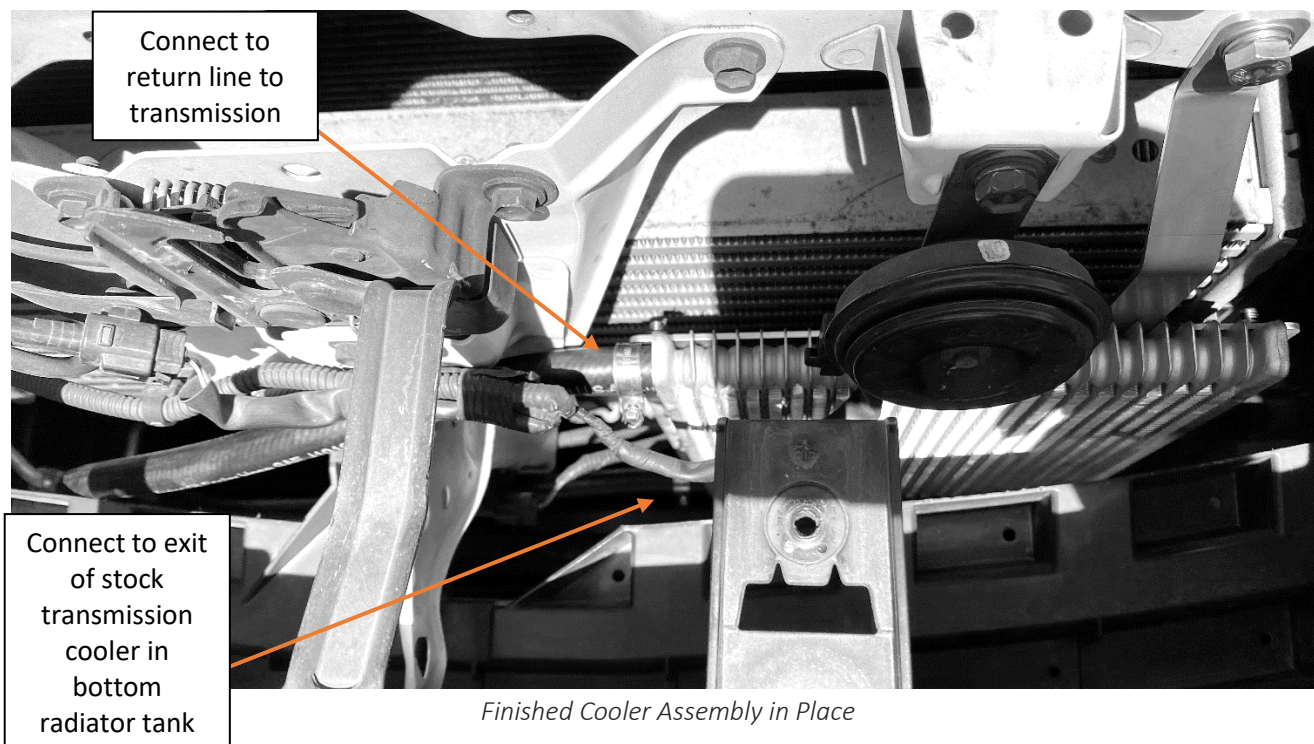




6. Use the final M8x16 bolt, with an M8 flat washer under its head and insert the bolt from the front through the lower mounting hole and bottom radiator support panel. Use the last M8 flat washer, M8 spring washer and M8 nut to secure from the back side. Connect the one end of the supplied hose to the lower port on the transmission cooler, secure in place with a clamp.



1. Connect the one end of the supplied hose to the lower port on the transmission cooler, secure in place with a clamp.
2. Run the hose between the body mount and the radiator on the driver'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 (located in the bottom of the radiator), secure in place with a clamp.



3. Connect one end of the remaining supplied hose to the top port on the transmission cooler, secure in place with a clamp.
4. Connect the other end of this hose to the hard steel return line to the transmission that used to connect to the stock transmission cooler, secure in place with a clamp.
5. Use cable ties to secure any loose cooler line to prevent rubbing.
6. The cooler itself holds 120mL of fluid, plus 70mL per 1m of hose, calculate the total amount and top up the transmission using the correct factory specified transmission fluid.
7. Reinstall the grille in reverse as how it was removed in step 1 & 2.

[End of Installation Guide](#)