



# External Transmission Oil Cooler Kit Suitable for:



**LDV T60 Max with 8sp  
Automatic Transmission**

**WITH THE FOLLOWING ENGINES:  
2.0L Twin Turbo Diesel**

Please read through all of the instructions carefully before proceeding. If any of the information does not appear correct or the diagrams don't match your vehicle, please contact Wholesale Automatic Transmissions on +61 3 9762 8004.

# Parts List

1 x 1/2" Oil Cooler  
Preinstalled on Bracket



4 x Hose  
Clamps



1.5m x 1/2" Cooler Line  
Hose with Conduit



5 x M6 x 20mm  
SEMS Bolts



2 x 1/2" Barbed double  
joiner



5 x Cable Ties



1 x Circlip



1x O-ring



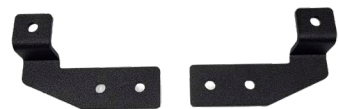
2 x Thermostat  
Springs



1 x Thermostat  
Slug



2 x Bracket  
extensions



Expected Installation Time: ~3 Hours

## Summary of Installation - For Experienced Fitters

- SAFETY FIRST: Allow engine, transmission and transmission fluid to cool prior to starting work to prevent serious injury.
- Remove top plastic shroud and remove any bash plates blocking access to underneath radiator. Remove bonnet latch and radiator support brackets.
- Fit both ends of hose to cooler with hose clamp.
- Locate the thermostat housing on the passenger side
- To make things easier you can remove the brace.
- Undo the circlip and remove the parts inside. Follow the image on page 8 with the orientation of the parts. Replace parts as per photo.
- Lower cooler and bracket assembly between radiator ac condenser.
- Loosely refit bonnet latch and radiator support brackets.
- Secure the bracket to the radiator support bracket bolts on the radiator support. The third bolt is on the bottom of the radiator support. You can reuse all the bolts on the car except bottom bracket, use M6 x 20mm bolt provided.
- Locate the transmission return line, the one closest to the passenger side. Cut hose in preparation for cooler assembly.
- You can now cut the hose on the oil cooler accordingly to the length of the transmission return line. Fit barbs and hose clamps and connect to transmission line.
- Secure and tighten all bolts for the cooler assembly, radiator support bracket and all connecting hose clamps.
- Start vehicle and check transmission fluid level. Top up if required using manufacturers recommend transmission fluid.
- Clean any transmission fluid spilled during installation.
- Re-install any parts removed.
- Test drive vehicle for at least 10 minutes. Check for leaks and re-check transmission oil.

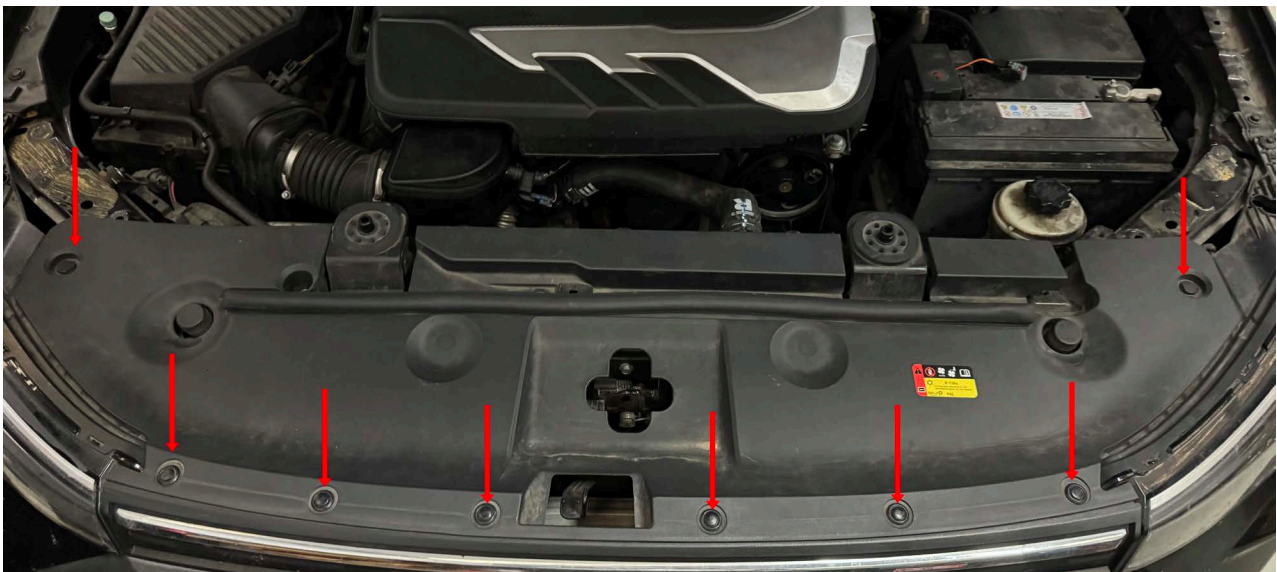
## Detailed Installation Instructions

Before commencing work, please ensure that you have at least 1L of transmission fluid and to top up at the end of the job.

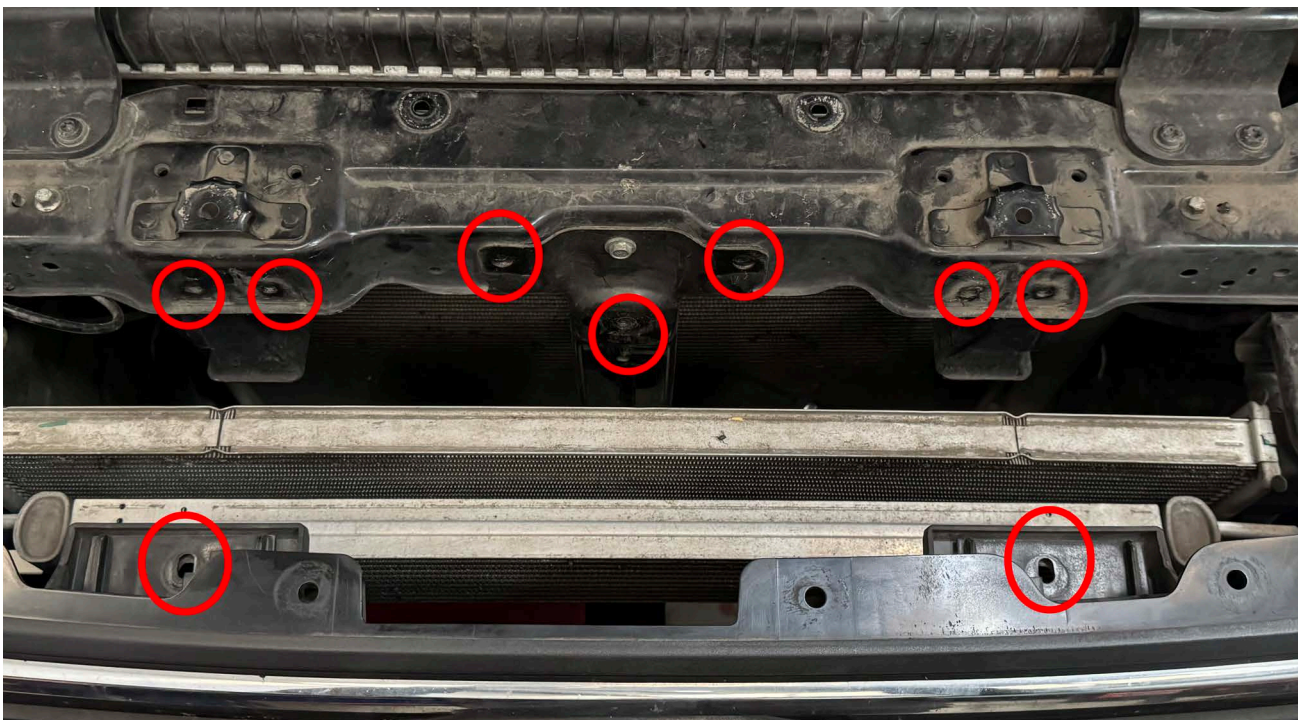
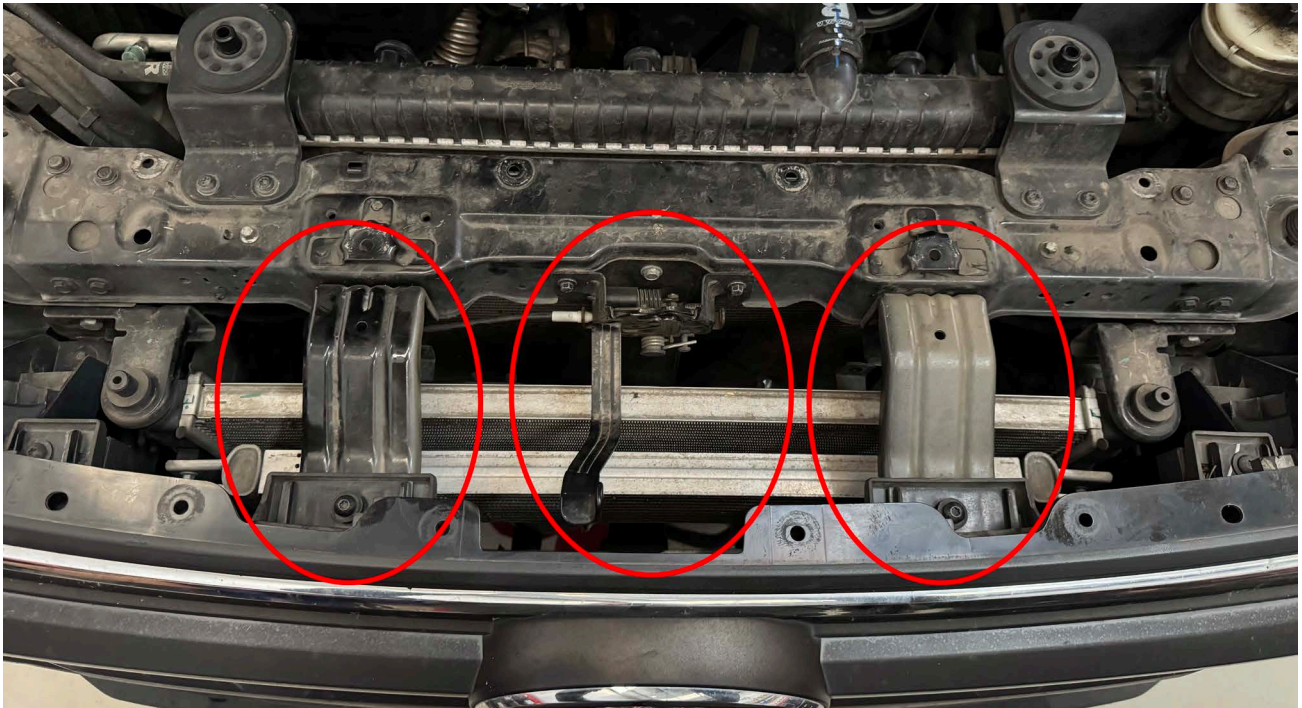
1. Ensure the car is switched off, it is recommended that the vehicle is not hot when being worked on. Open bonnet.



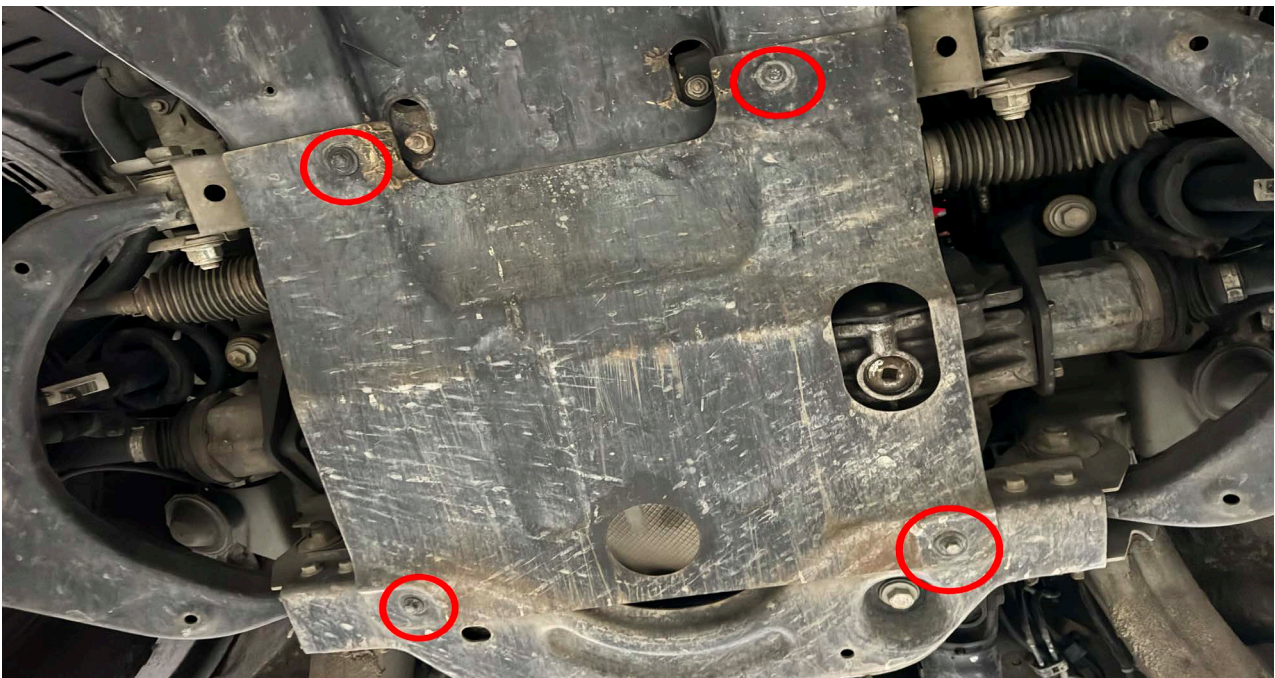
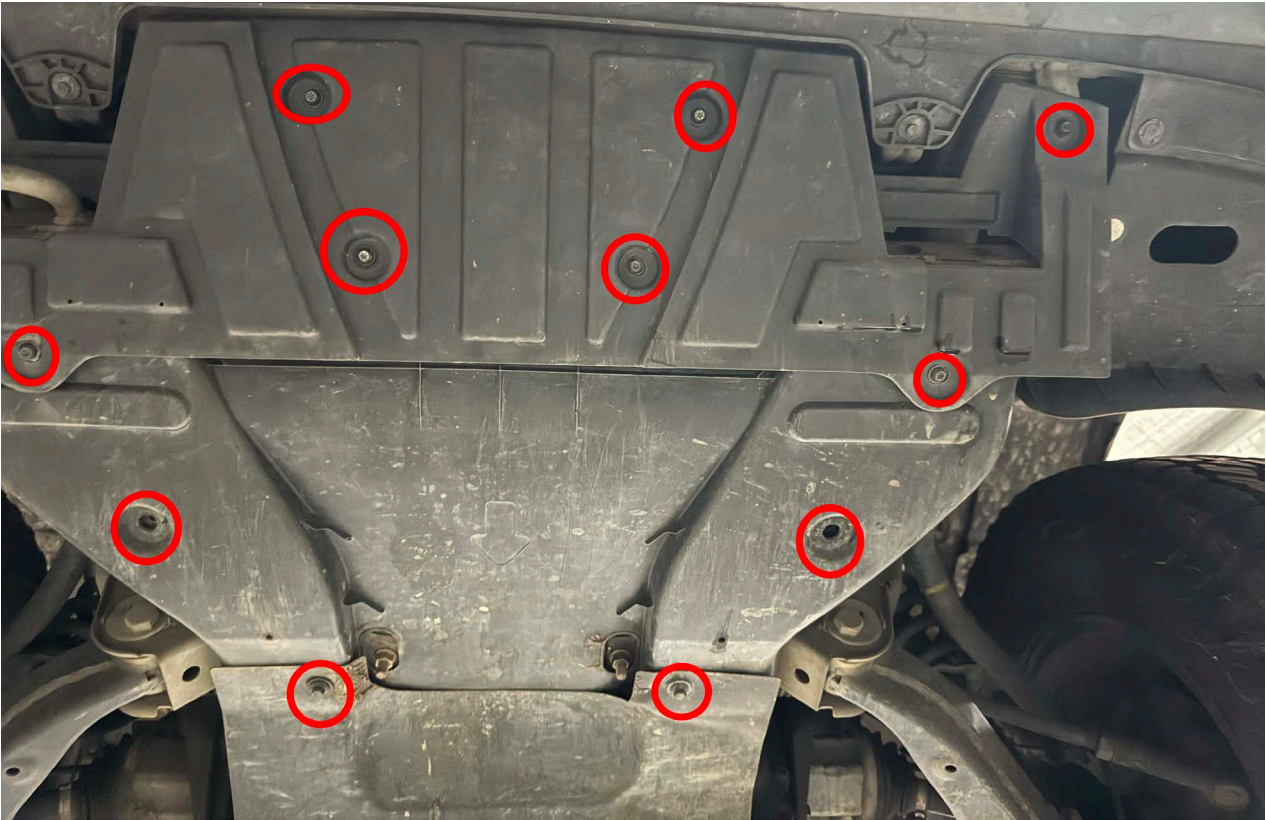
2. Undo 8 clips to remove radiator cover and gain access to bonnet latch.



3. Remove support brackets and bonnet latch. There are 9 bolts holding the 3 pieces down.



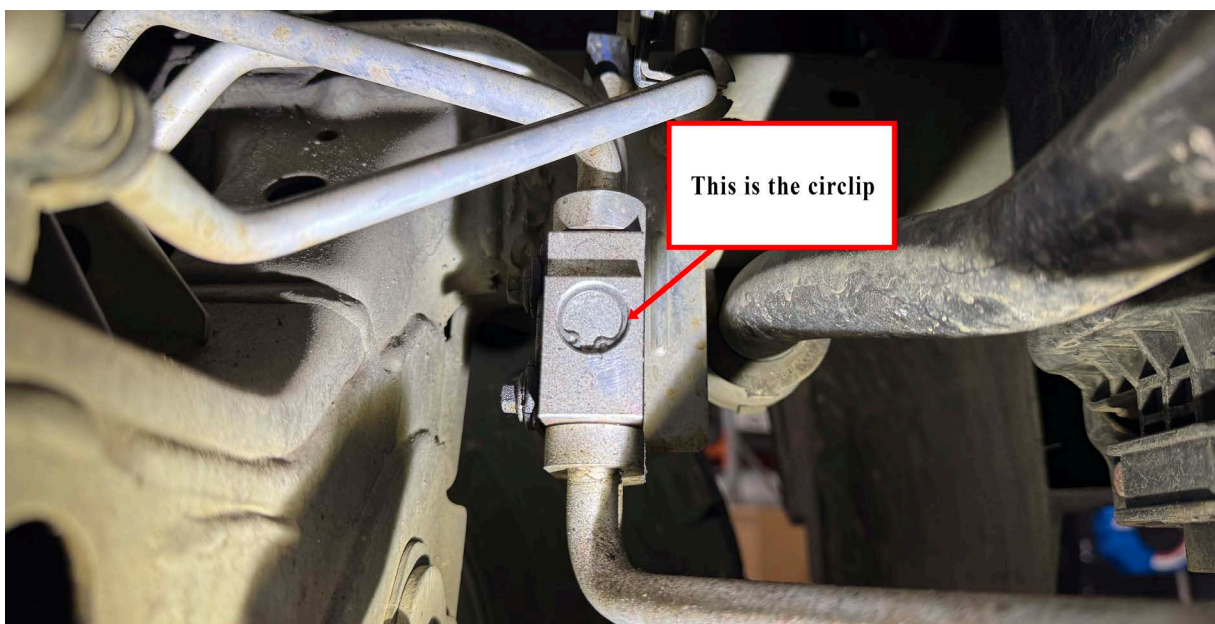
4. Remove bash plates. There are 14 bolts holding 3 bash plates in place.



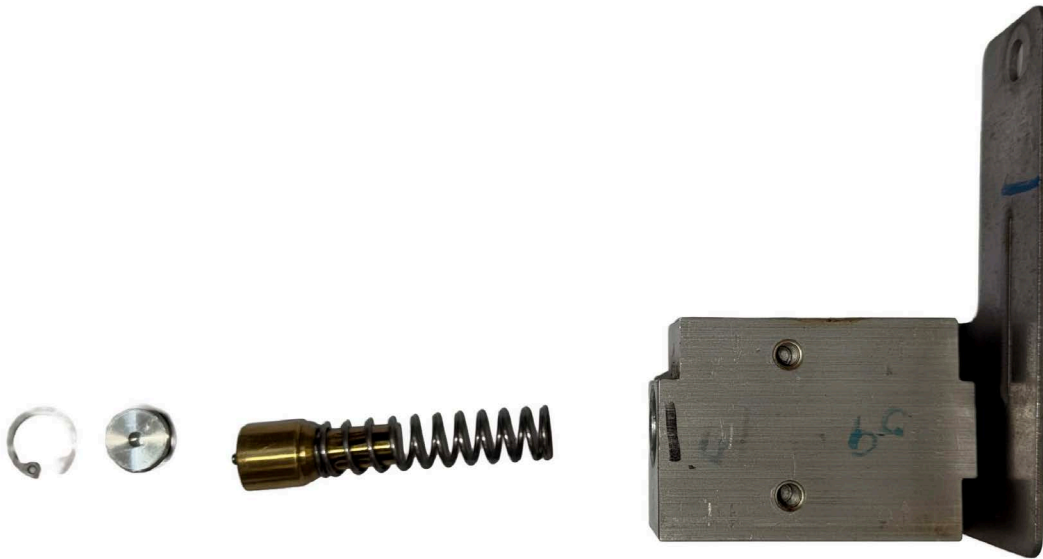
5. Once you have removed the bash plates, locate the thermostat. If you are at the front of the vehicle it is on the passenger side near the lower control arm. You can remove the lower brace to get more access for this step.



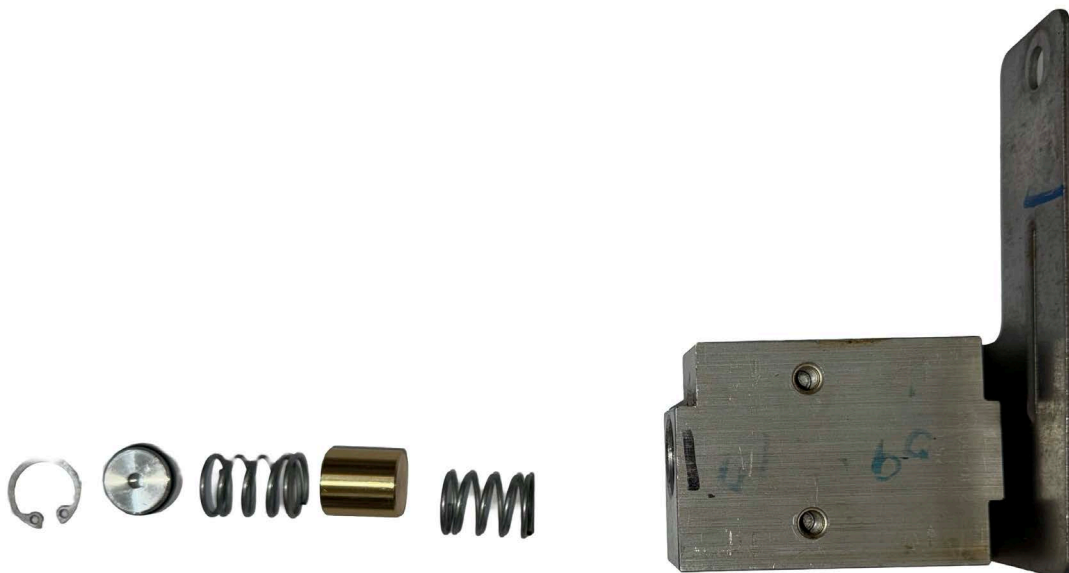
6. We will be replacing parts in the thermostat housing. Locate the circlip on the side of the valve, and remove.



7. Once you have removed the circlip, the contents in the housing should be in this order. (Please note, you **do not** need to remove the housing from the vehicle for this step. This is shown for illustration purposes.)



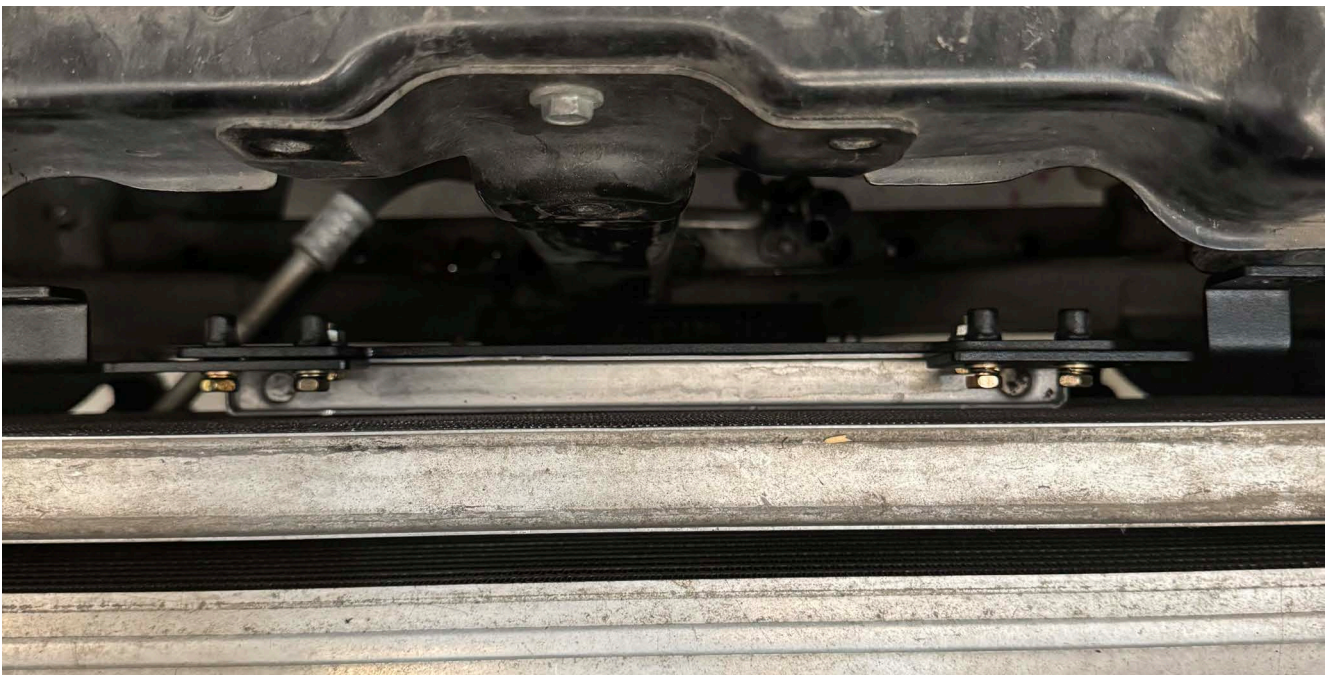
8. With the parts provided the please arrange the springs according to this diagram, and the parts used here are 2 x thermostat springs and 1 x thermostat slug. Reinstall parts into thermostat in this order.



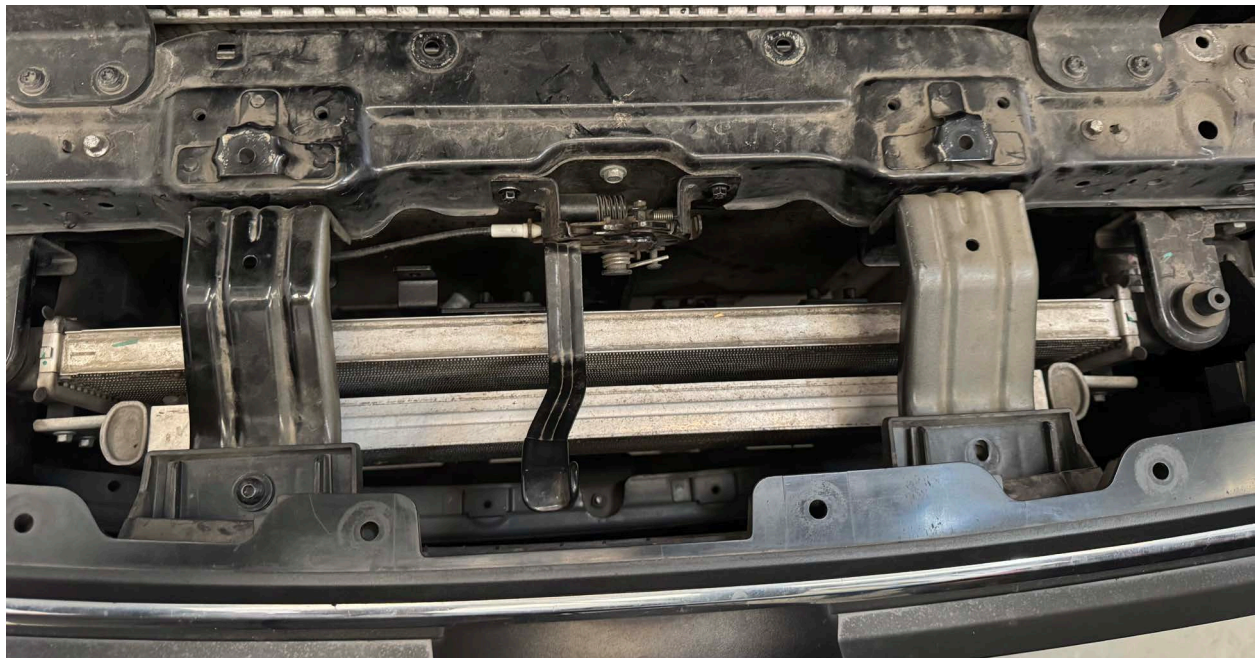
9. Prepare the oil cooler for installation, install the hose on the cooler use the provided hose clamps to secure each of the ends. At the same time install the 2 brackets provided to the assembly.



10. Lower the cooler between the radiator support and the condensers as shown here.



11. Once lowered in place, loosely fit the bonnet latch, and the 2 radiator support bracket.



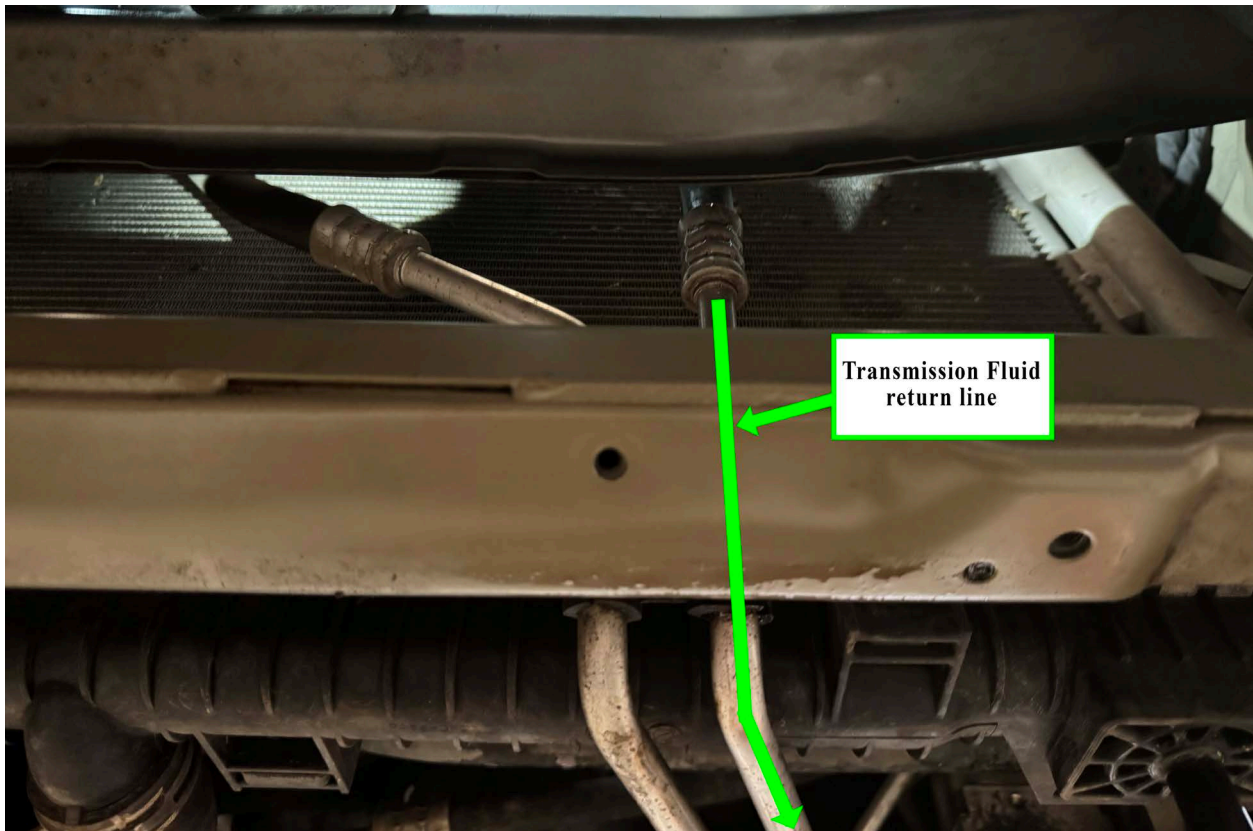
12. Now we will be securing the cooler bracket to the 2 radiator support brackets. To do this lift up the bracket to the support bracket and use the inner bolt to secure the cooler.



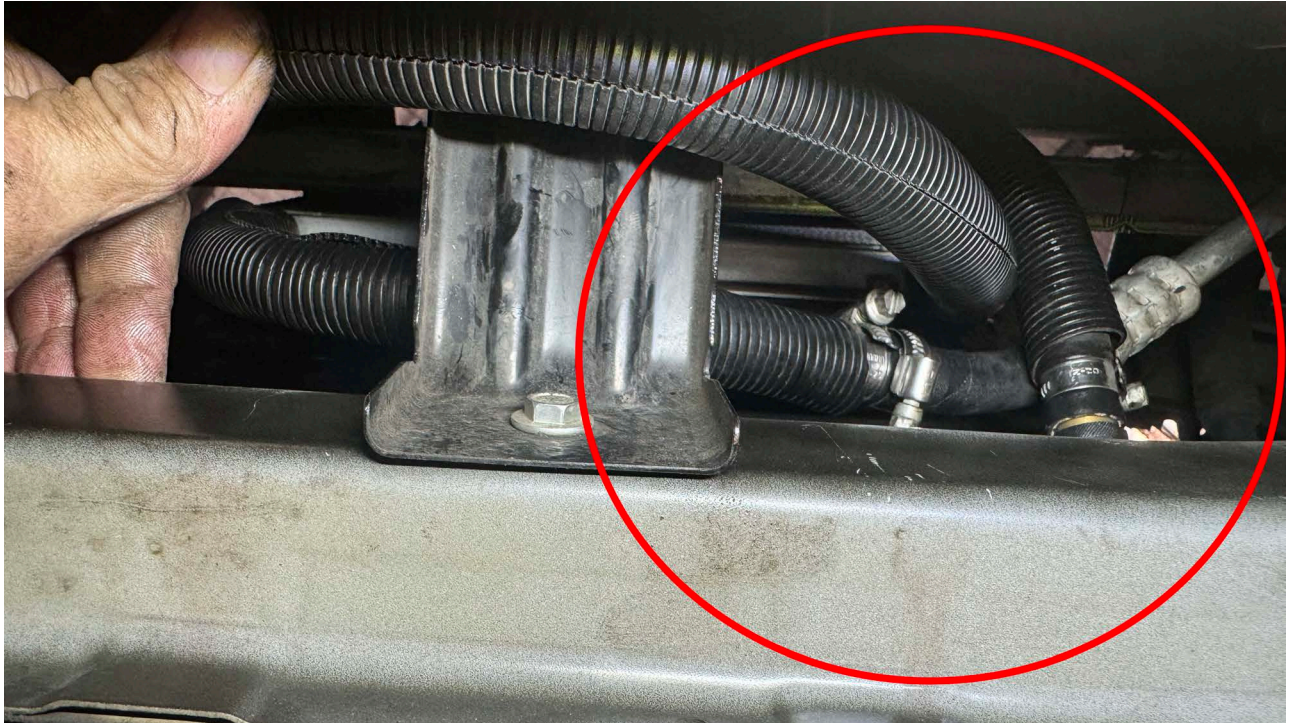
13. Once you have secured both sides of the cooler bracket to the radiator support bracket, you can tighten all the bolts, there is also a third bolt on the bottom of the bracket. Be mindful of the alignment of the bonnet latch while reinstalling.



14. Next we will locate the transmissioin fluid return line, we will be cutting the hose on this line, to connect the transmission cooler, take note you will also cut the hose on the oil cooler to length ensure that the hose clamps and barbs are installed on the ends.



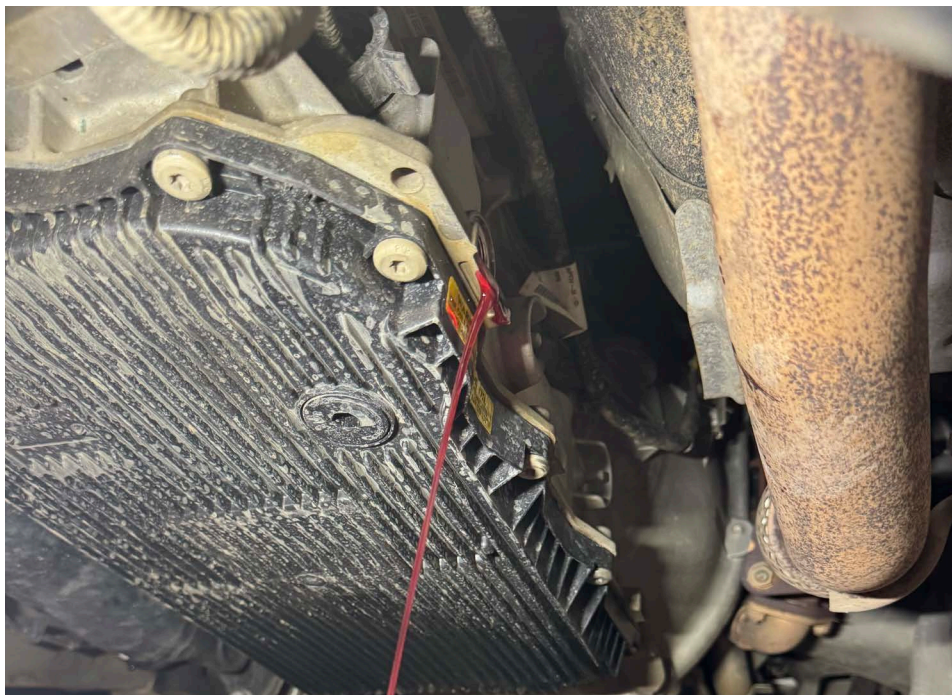
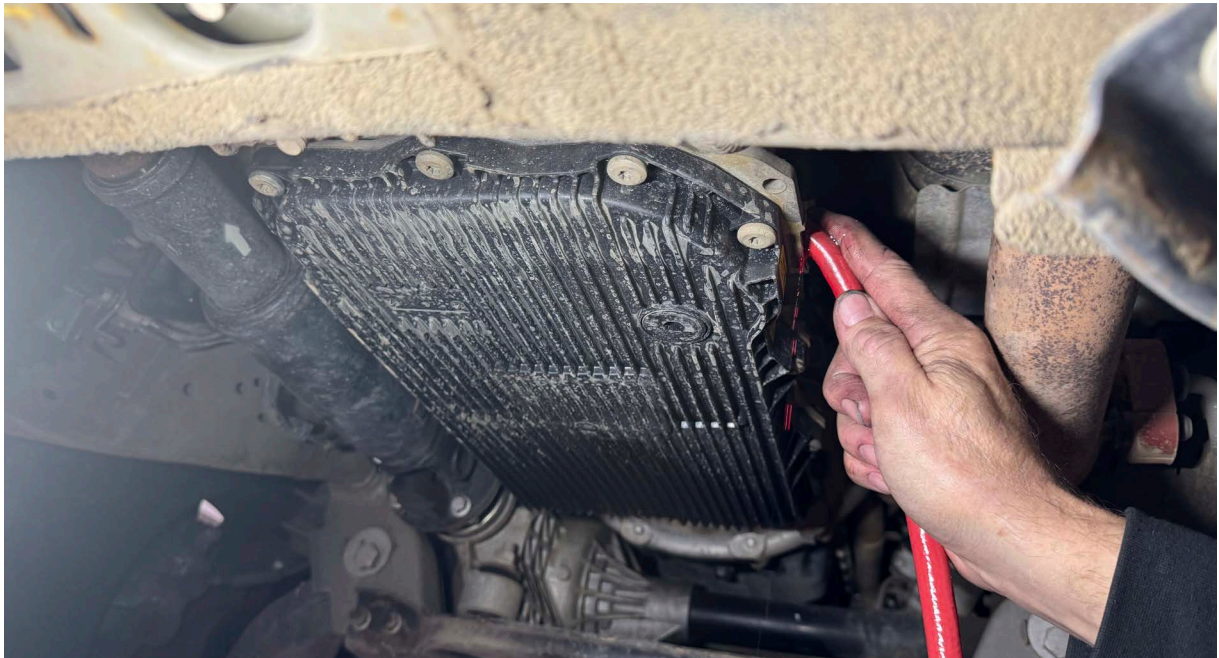
15. Install the hoses onto the ends of the transmission line. Secure the ends with the supplied hose clamps.



16. The transmission fluid must be topped up prior to driving the vehicle. The fluid level should always be checked with the engine running, run the engine for about 2 minutes to allow the fluid to fill the oil cooler and let get the oil through the system. Locate and undo the fill plug



17. Pump transmission fluid into the filler plug until it just starts to trickle out of the filler plug.



18. Reinstall any parts removed and check for leaks
19. Test drive vehicle until it reaches operating temperature.

This completes the installation of  
the External Transmission Oil  
Cooler Kit to suit:

LDV T60 Max with 8 Speed  
Automatic

Please Provide us with Feedback

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