

**COOLMASTER** *OFFROAD*

# External Transmission Oil Cooler Kit Suitable for:



**LDV T60 Dual Cab Ute with 6 Speed  
6L50 Automatic Transmissions**

**WITH SC28R - 2.8L TURBO DIESEL ENGINES**

*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 your local ALLTRANZ branch.*

## Parts List:



1 x Cooler Bracket with  
cooler fitted



5 x 8-16mm Hose  
Clamps



2m x Cooler Line Hose  
with Conduit



1 x 3/8 Barbed double  
joiner



1 x Derale snapin barb



1 x M6x20mm bolt  
1xM6 flange nut



1x M8x20mm bolt  
1xM8 flange nut



5 x Cable Ties

**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.*
- *Fit both ends of hose to cooler with screw clamps but don't cut hose loop.*
- *Remove the passenger side bolt holding the bonnet catch.*
- *Feed cooler and hoses into place and mount using bonnet catch bolt*
- *Using M8 bolt and nut supplied fit side mounting point to radiator support bracket*
- *With the M6 bolt and nut supplied fit the lower mounting point to the radiator support panel.*
- *Remove drivers side OEM cooler pipe from bottom of radiator and fit supplied Derale snap in fitting using OEM spring clip*
- *Cut the transmission oil line just above the steel pipe and fit 10mm steel barb*
- *Route Cooler lines to new unions. Cut, install and secure with screw clamps. Lines are bi-directional.*
- *Check all parts are secure and no loose items can come into contact with hot or moving parts.*
- *Start vehicle and check transmission fluid level. Top up if required using manufacturers recommend transmission fluid*
- *Clean any transmission fluid spilt during installation. Re-install any parts removed*
- *Test drive vehicle for at least 10 minutes. Check for leaks and re-check Transmission oil.*

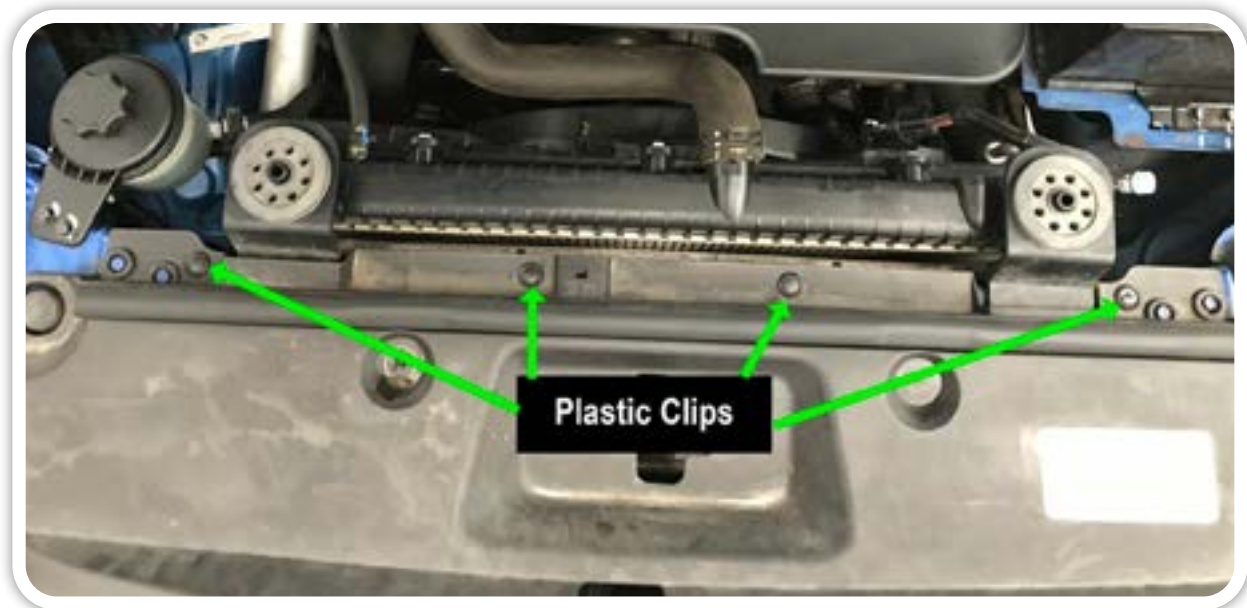
## Detailed Installation Instructions

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

**Note: Fluid must be pump delivered, no gravity feed option (step 18)**

### COOLER BRACKET MOUNTING

1. Open bonnet.
2. Remove any bash plates preventing access to underneath the Raditor.
3. Remove the four plastic clips and thirteen plastic tabs holding the top shroud in place and remove.



4. Connect each end provided cooler hose to both ends of transmission cooler and secure with hose clamps. Do NOT cut the hose yet.



5. Remove the passenger side bolt holding the bonnet catch. Feed cooler and hoses into place and mount using bonnet catch bolt.



6. Using M8 bolt and nut supplied fit side mounting point to radiator support bracket.



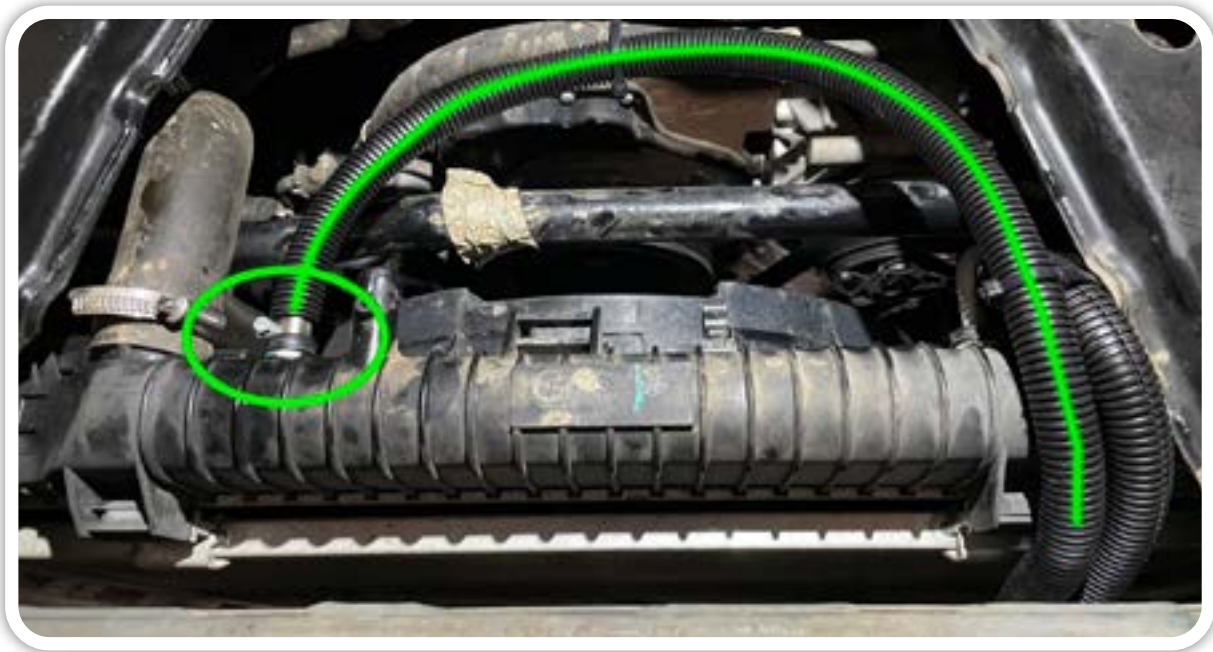
7. With the M6 bolt and nut supplied fit the lower mounting point to the radiator support panel.



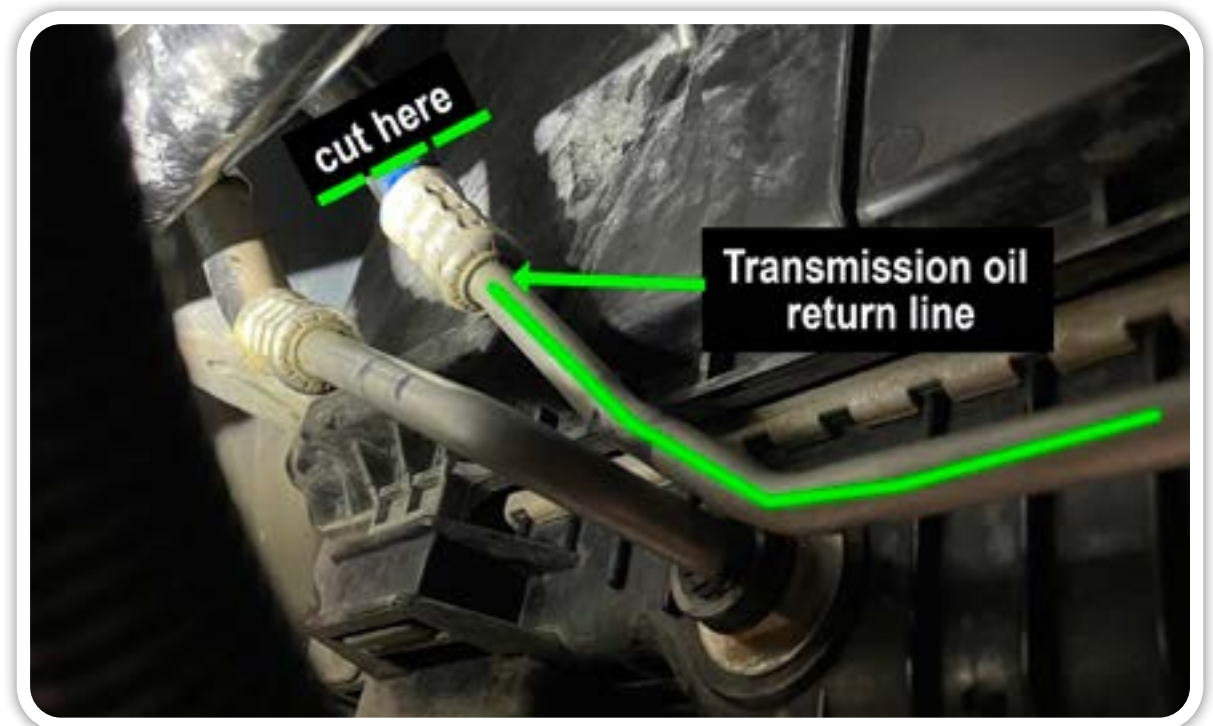
8. Remove drivers side OEM cooler pipe from bottom of radiator and fit supplied snap in fitting with OEM spring clip.



9. Route the hose from the oil cooler under the Radiator as shown. Cut hose to length and attach to snap in fitting with hose clamp provided.



10. Cut the rubber section of the transmission oil return line just above the aluminium pipe. OEM pipe can be discarded.



- 11.** Fit 10mm double barb and secure with provided hose clamp.



- 12** Route remaining hose under radiator as shown.

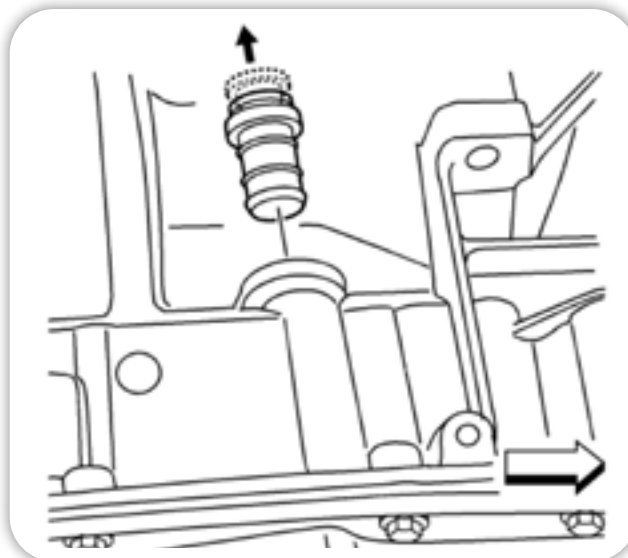




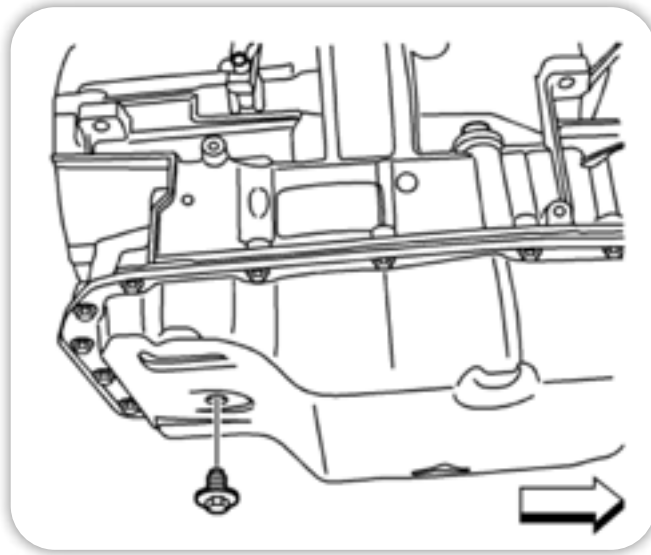
- 13.** Trim and connect to the barb and secure with hose clamp.



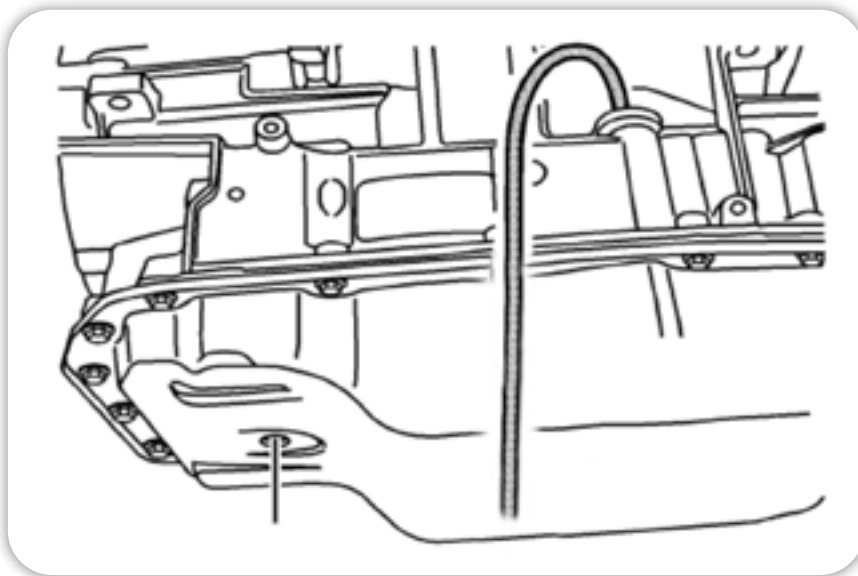
- 14.** Ensure that hoses are secure and away from any moving engine parts.
- 15.** Replace bash plates and refit plastic shroud
- 16.** Transmission fluid level must to be topped up prior to driving the car
- 17.** Fluid level should always be checked with the engine running
- 18.** To remove the fill plug, use a pair of 90 degree bent needle nose pliers. Find the top of the plug, it will first pop up, after this you can remove the plug with your hand.



- 19.** With engine running (for at least 30 seconds) remove the drain plug from the bottom of the transmission.



- 20.** Pump transmission oil into the filler hole until it just starts to trickle out of the drain plug.



- 21.** Replace both plugs, clean any transmission fluid spilt during installation.
- 22.** Re-install any parts removed and check for any leaks.
- 23.** Test drive the car until it reaches operating temperature.
- 24.** Repeat steps 15 to 19 to recheck fluid levels.

***This completes the installation of the  
External Transmission Oil Cooler Kit to Suit  
LDV T60 Dual Cab Ute with 6 Speed 6L50 Automatic Transmissions***

***PLEASE REMEMBER ALL AUTOMATIC TRANSMISSIONS HAVE A SERVICE INTERVAL OF  
2 YEARS OR 40,000KM TO IMPROVE THE LONGEVITY OF THE TRANSMISSION.***

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