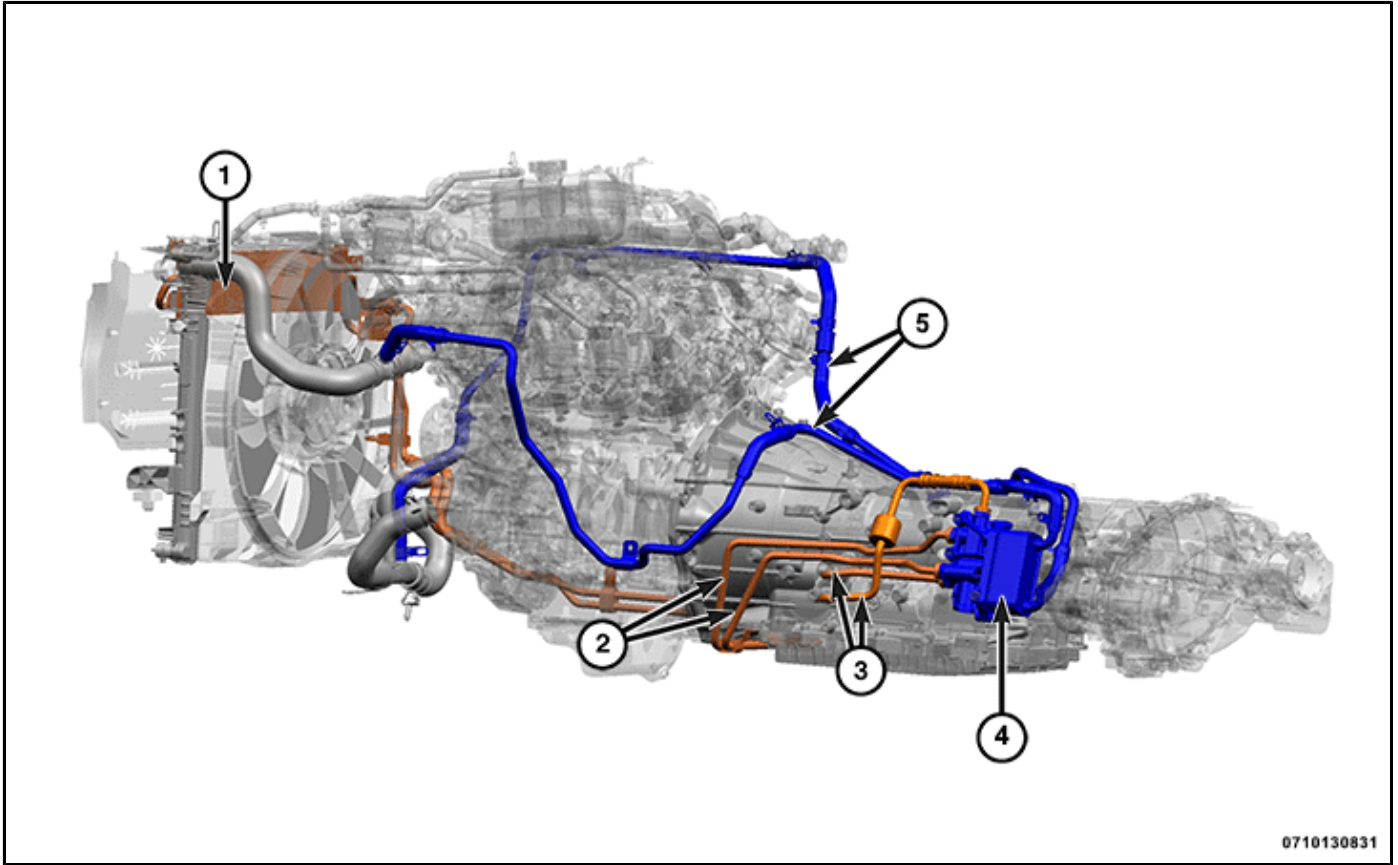


DESCRIPTION AND OPERATION

DESCRIPTION



The transmission heat exchanger (4) is mounted on the left side of the transmission near the back.

OPERATION

The transmission heat exchanger cools the Automatic Transmission Fluid (ATF) by means of engine coolant.

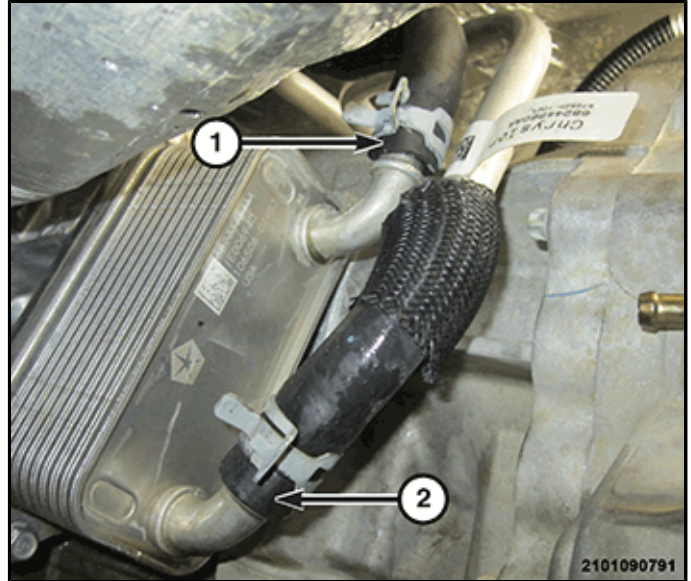
The transmission heat exchanger coolant hoses (5) are routed to the engine radiator hoses.

ATF runs through the transmission heat exchanger (4) through transmission fluid tubes (3).

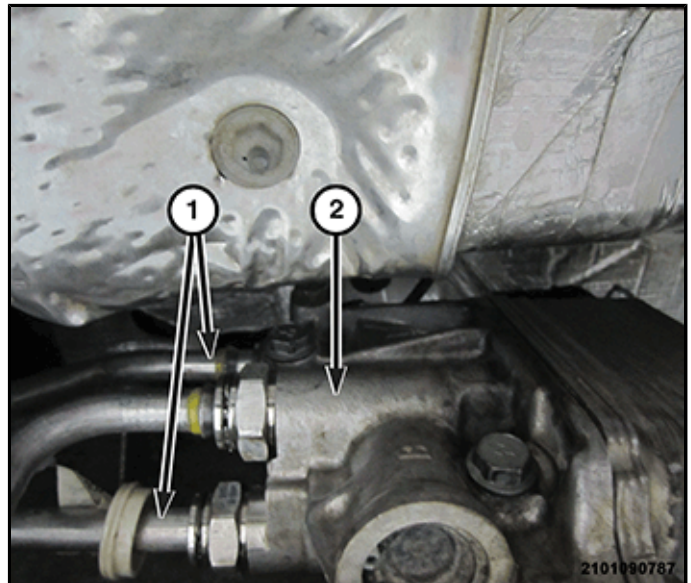
REMOVAL AND INSTALLATION

REMOVAL

1. Raise and support the vehicle (Refer to 04 - Vehicle Quick Reference/Hoisting/Standard Procedure).
2. Drain the engine cooling system (Refer to 07 - Cooling/Standard Procedure).
3. Remove front drive shaft (Refer to 03 - Differential and Driveline/Propeller Shaft/Removal and Installation).
4. Remove the spring clamps and disconnect the coolant supply and return pipes (1,2) from the transmission fluid heat exchanger.



5. Disconnect the transmission fluid tubes (1) from the transmission heat exchanger (2).

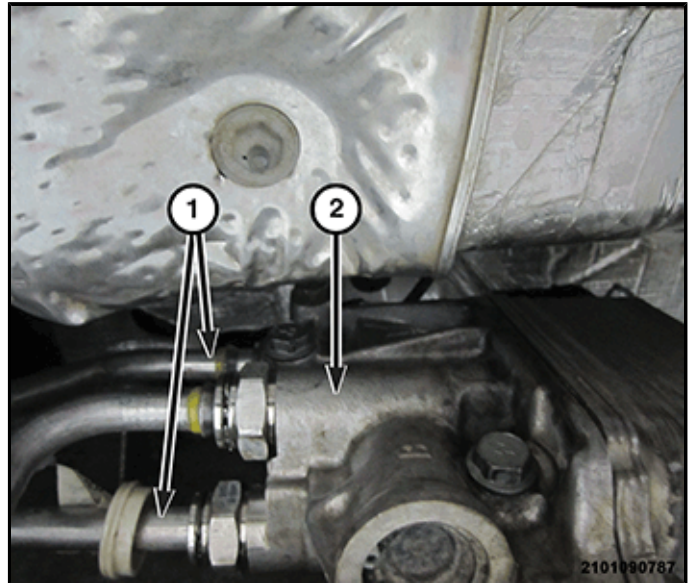


6. Remove the transmission fluid heat exchanger bolts and remove the transmission fluid heat exchanger.

INSTALLATION

1. Install the transmission fluid heat exchanger, the transmission fluid heat exchanger bolts and tighten to the proper (Torque Specifications).

2. Connect the transmission fluid tubes (1) to the transmission fluid heat exchanger (2).



3. Connect the coolant supply and return pipes (1,2) to the transmission fluid heat exchanger and install the spring clamps.
4. Install front drive shaft (Refer to 03 - Differential and Driveline/Propeller Shaft/Removal and Installation).
5. Fill the engine cooling system (Refer to 07 - Cooling/Standard Procedure).
6. Top off the transmission fluid (Refer to 21 - Transmission and Transfer Case/Automatic/FLUID and FILTER/Standard Procedure).
7. Remove the support and lower the vehicle.

