

PUBLISHED: 06-JUN-2019  
2020.0 DEFENDER (LE), 311-03

AUTOMATIC TRANSMISSION COOLING

# TRANSMISSION FLUID COOLER PIPES – INGENIUM I6 3.0L PETROL [G2402203]

mcx30.com

## REMOVAL AND INSTALLATION

### PART(S)

| STEP                | PART NAME                                                    | QUANTITY |
|---------------------|--------------------------------------------------------------|----------|
| Installation Step 2 | Transmission fluid cooler tubes to transmission O-ring seals | 2        |

## REMOVAL

### ⓘ CAUTION:

- Be prepared to collect escaping fluids.
- Before disconnecting any components, make sure the area is clean and free from foreign material. When disconnected all openings must be sealed.

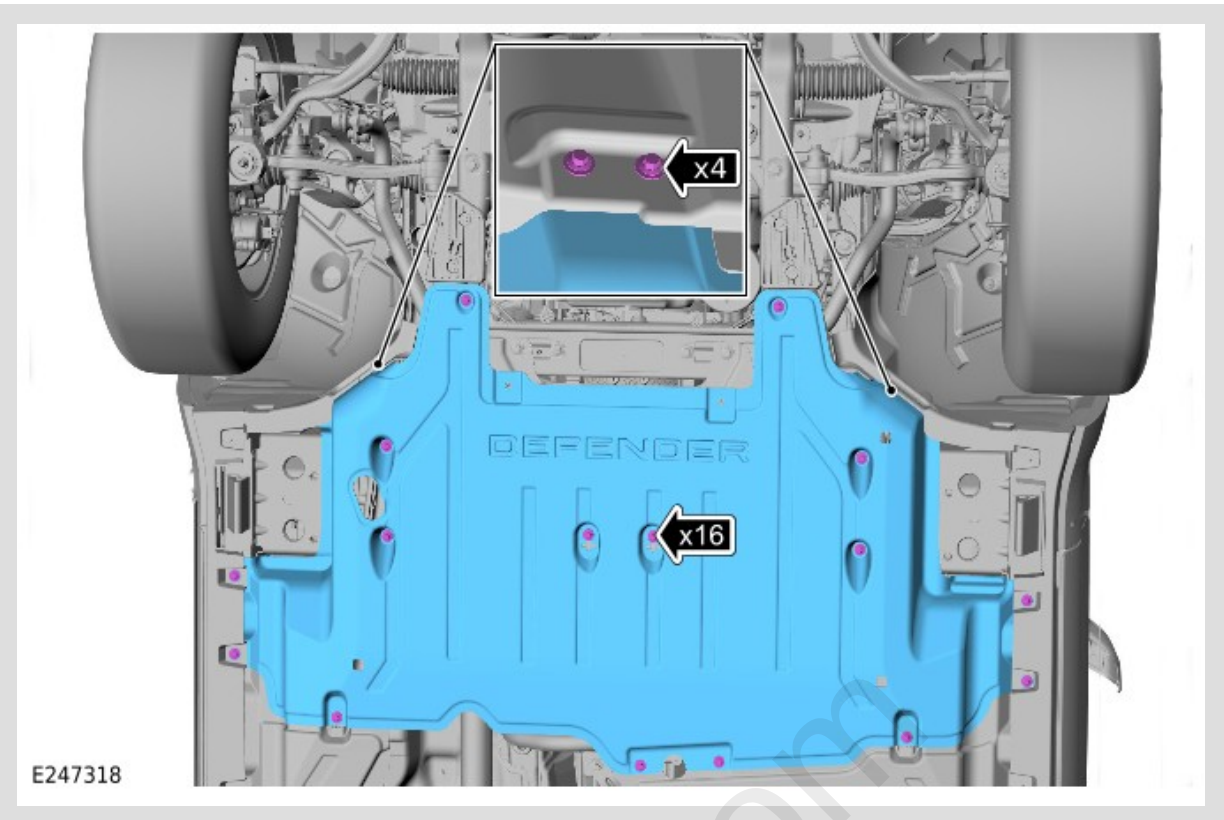
### ⚠ NOTE:

- This procedure contains some variation in the illustrations depending on the vehicle specification, but the essential information is always correct.
- This procedure contains illustrations showing certain components removed to provide extra clarity.

1. Raise and support the vehicle on a suitable 2 post lift.  
Refer to: [Jacking and Lifting](#) (100-02 Jacking and Lifting, Description and Operation).

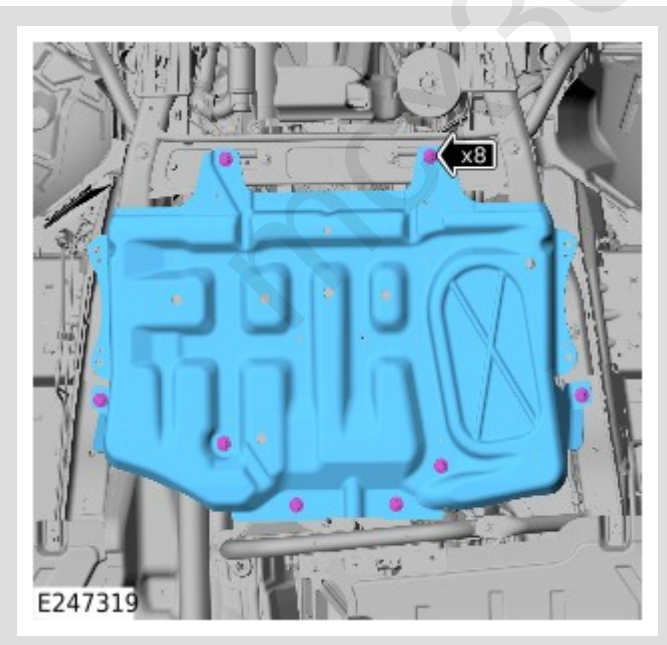
2. Remove the engine undershield.  
Refer to: [Engine Undershield](#) (501-02 Front End Body Panels, Removal and Installation).

3.



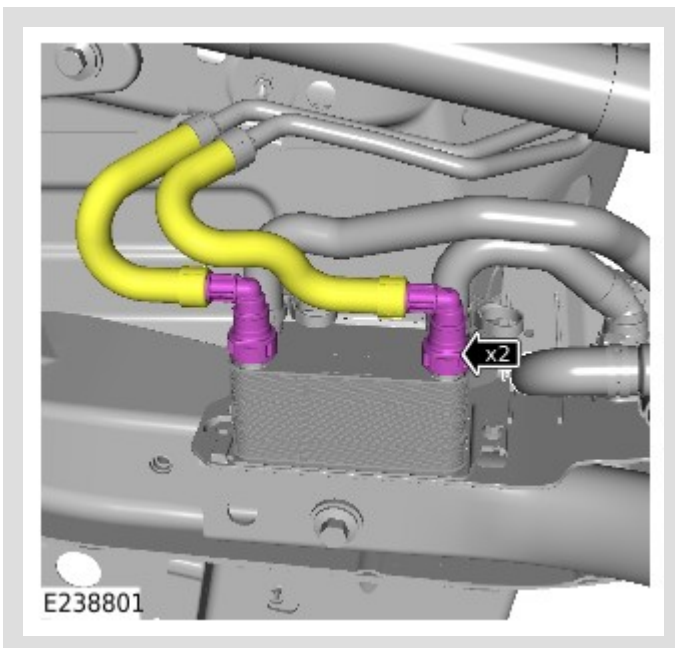
- Remove the 20 bolts.
- Remove the transmission undershield.

4.



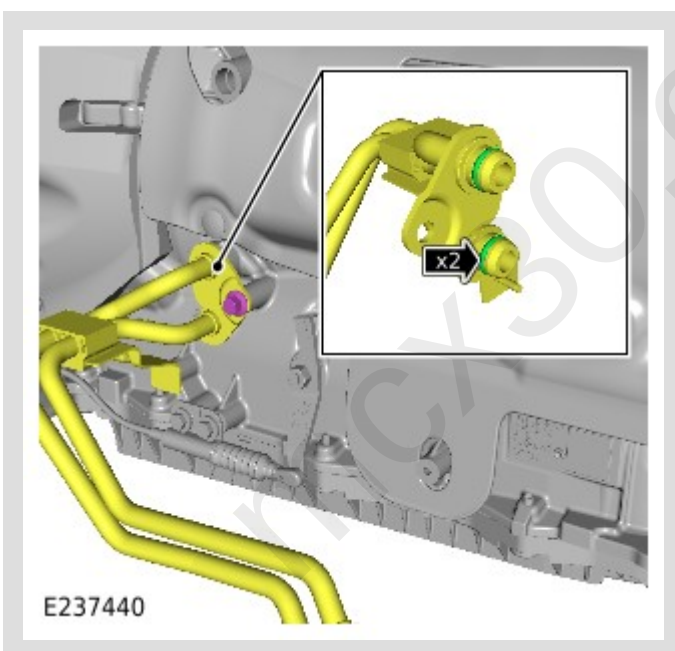
- Remove the 8 bolts.
- Remove the transmission undershield.

5.

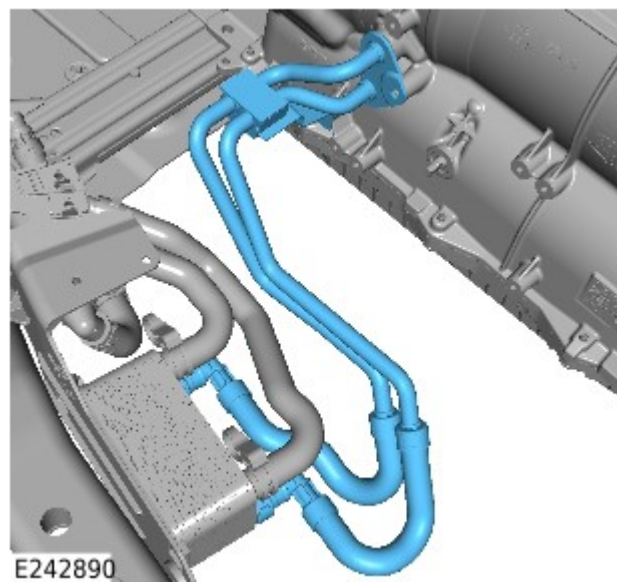


Disconnect the 2 transmission fluid cooler pipes.

6.



- Remove the bolt.
- Release the transmission cooler pipes.
- Remove and discard the 2 O-ring seals.



Remove the transmission fluid cooler pipes.

## INSTALLATION

1. Install the transmission fluid cooler pipes.

- 2.
- Install the 2 new O-ring seals.  
*Renew Part: [Transmission fluid cooler tubes to transmission O-ring seals](#) Quantity: 2.*
  - Install the transmission cooler pipes to the transmissio.
  - Install and tighten the bolt.  
*Torque: **22Nm***

3. Connect the 2 transmission fluid cooler pipes.

- 4.
- Install the transmission undershield.
  - Install and tighten the 8 bolts.  
*Torque*  
M6: **10Nm**  
M10: **60Nm**

- 5.
- Install the transmission undershield.
  - Install and tighten the 20 bolts.  
*Torque: **10Nm***

6. Install the engine undershield.  
Refer to: [Engine Undershield](#) (501-02 Front End Body Panels, Removal and Installation).

7. Check automatic transmission fluid level.  
Refer to: [Transmission Fluid Level Check](#) (311-01 Automatic Transmission, General Procedures).