PUBLISHED: 30-MAR-2017
2017.0 DISCOVERY (LR), 308-07

TRANSFER CASE - [+] TWIN SPEED TRANSFER CASE

TRANSFER CASE - V6 S/C 3.0L PETROL (G1972536)

REMOVAL

41.20.25	TRANSFER GEARBOX - RENEW	3000 CC, AJ V6 (AJ126), SINGLE SPEED TRANSFER CASE	4.2	USED WITHINS	
41.20.25	TRANSFER GEARBOX - RENEW	3000 CC, AJ V6 (AJ126), TWIN SPEED TRANSFER CASE	4.2	USED WITHINS	

REMOVAL

SPECIAL TOOL(S)

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303-1069

Adapter, Wrench

GENERAL EQUIPMENT

EQUIPMENT NAME
Transmission jack

PART(S)

STEP	PART NAME	QUANTITY
Step 7	Driveshaft flange bolts	1
Step 14	Transfer case front output shaft oil seal	1

CAUTION:

Before disconnecting any components, make sure the area is clean and free from foreign material. When disconnected all openings must be sealed.

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NOTE:

Some variation in the illustrations may occur, but the essential information is always correct.

1. Disconnect the battery ground cable.
   Refer to: Specifications (414-00 Battery and Charging System - General Information, Specifications).

2. **WARNING:**

   Make sure to support the vehicle with axle stands.

   Raise and support the vehicle.

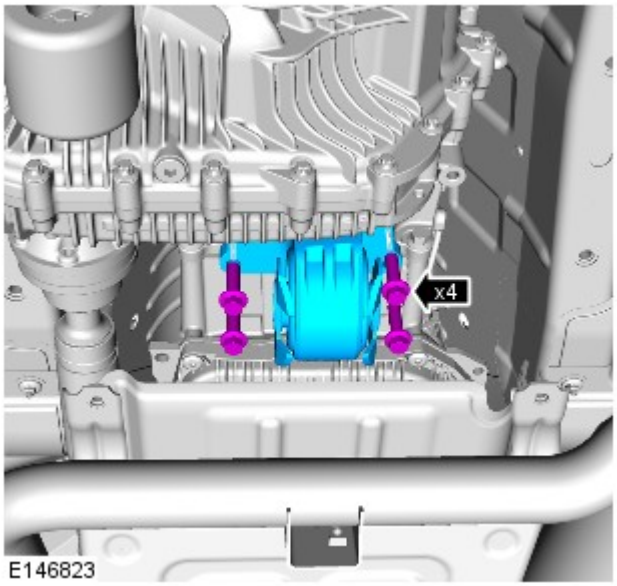
3. Drain the transfer case.
   Refer to: Transfer Case Draining and Filling (308-07 Transfer Case - Vehicles With: Twin Speed Transfer Case, General Procedures).

4. Remove the transmission support crossmember.
   Refer to: Transmission Support Crossmember - V6 S/C 3.0L Petrol (502-02 Full Frame and Body Mounting, Removal and Installation).

5. Remove the rear driveshaft.
   Refer to: Rear Driveshaft - V6 S/C 3.0L Petrol (205-01 Driveshaft, Removal and Installation).

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6.

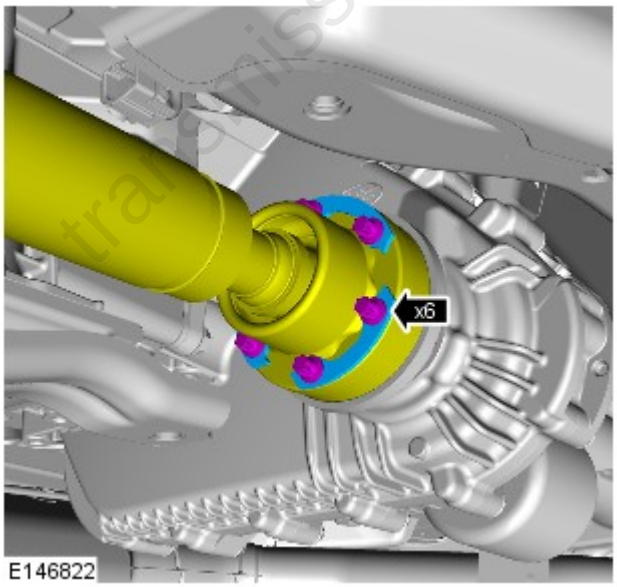


Remove the damper.

7.

CAUTION:

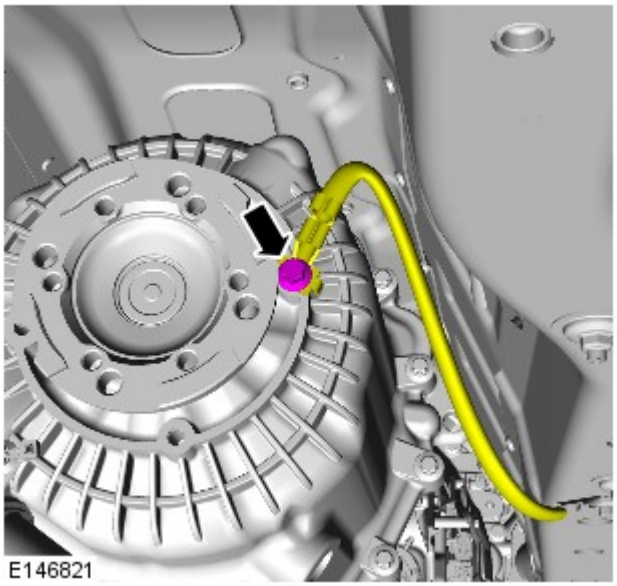
Mark the position of the driveshaft flange in relation to the drive pinion flange.



Remove the front driveshaft from the transfer case assembly.
Renew Part: Driveshaft flange bolts Quantity: 1 .

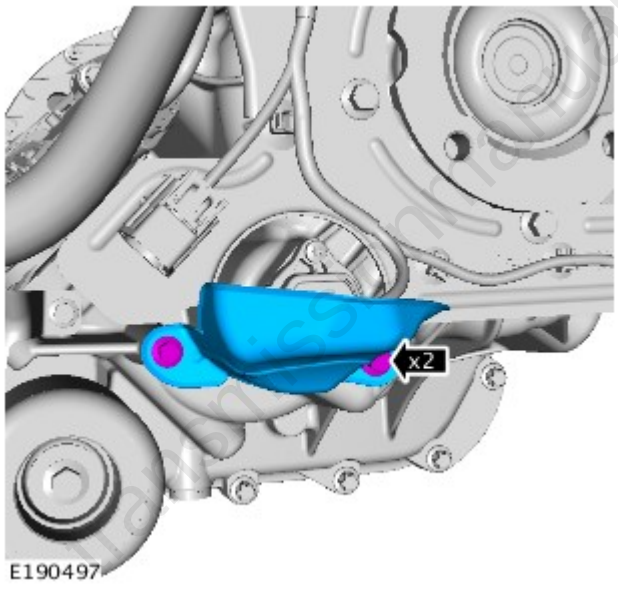
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8.



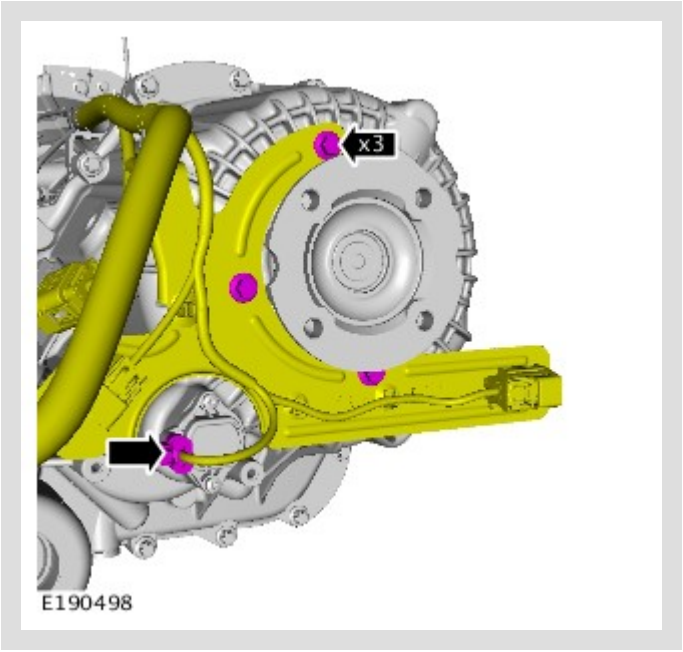
Remove the ground cable.

9.



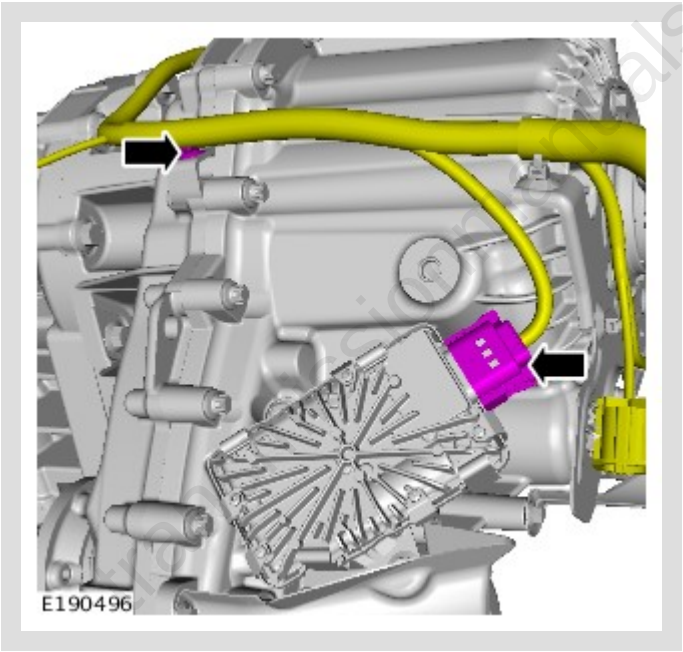
Remove the heat shield.

10.



Release the wiring loom.

11.

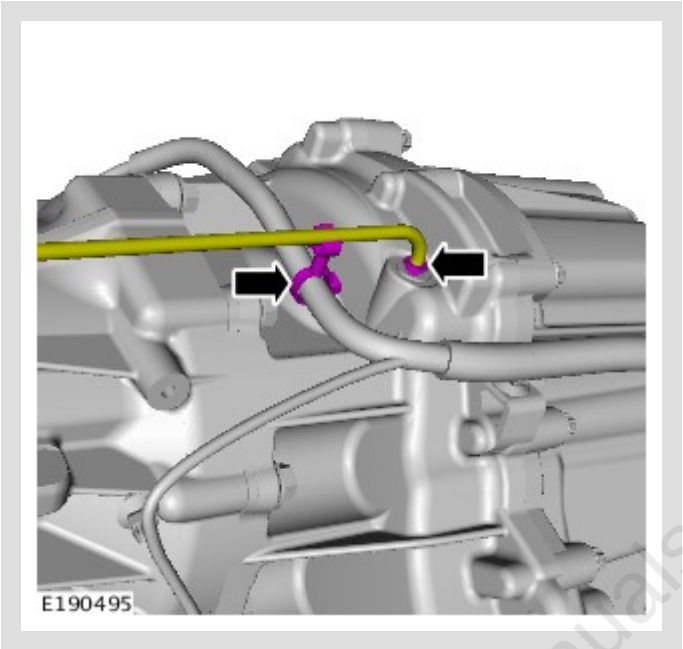


Disconnect the electrical connector.

12.

CAUTION:

Always plug any open connections to prevent contamination.



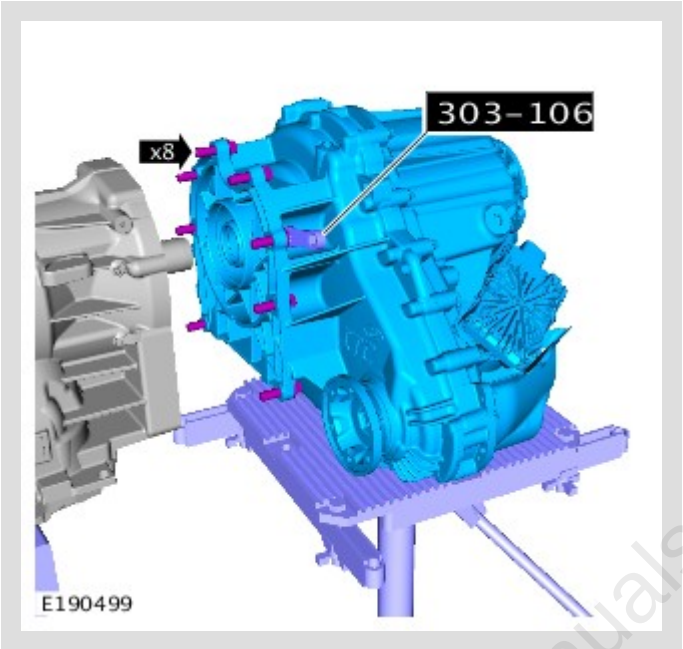
Remove the breather pipe.

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13.

WARNING:

Secure the component to the transmission jack.



Remove the transfer case.

Special Tool(s): 303-1069

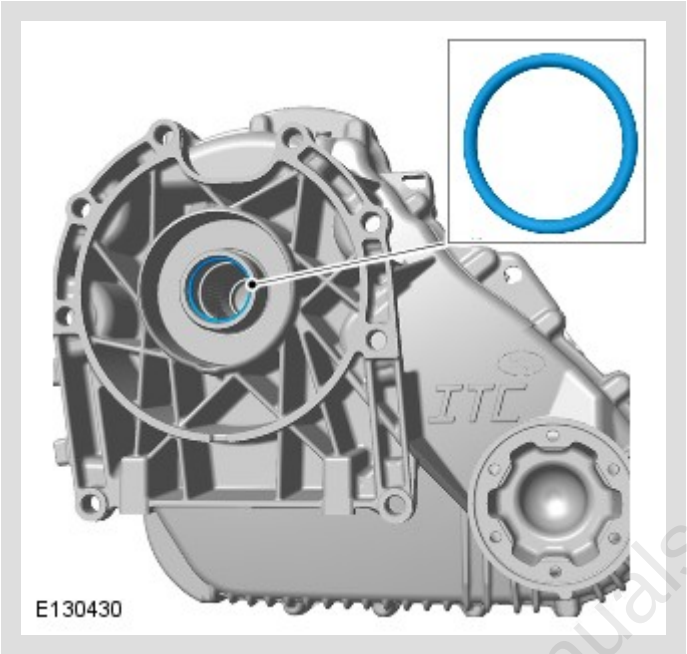
General Equipment: Transmission jack

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14.

CAUTION:

Do not carry out this step if a new transfer box is to be installed.



Remove and discard the input shaft oil seal.

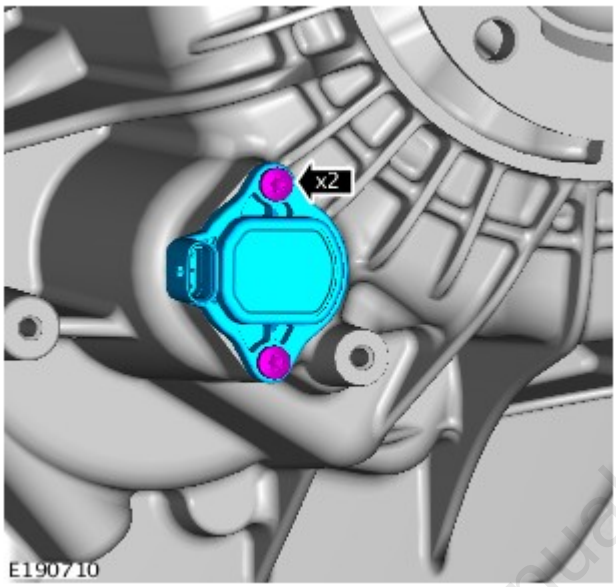
Renew Part: Transfer case front output shaft oil seal Quantity: 1 .

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15.

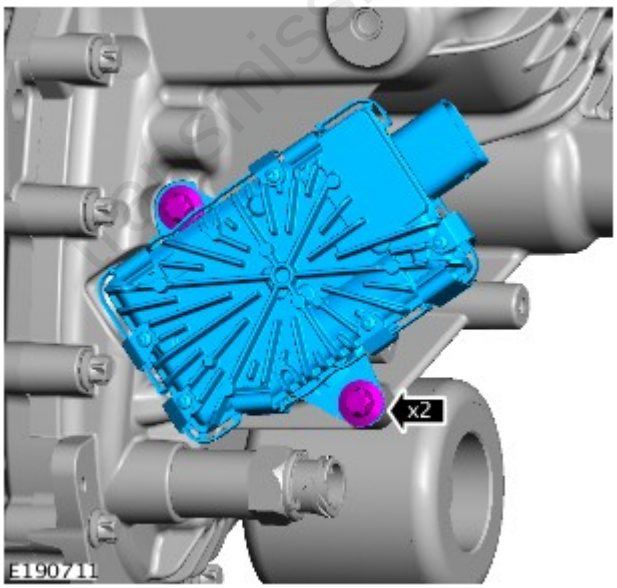
NOTE:

Do not disassemble further if the component is removed for access only.



Remove the sensor.

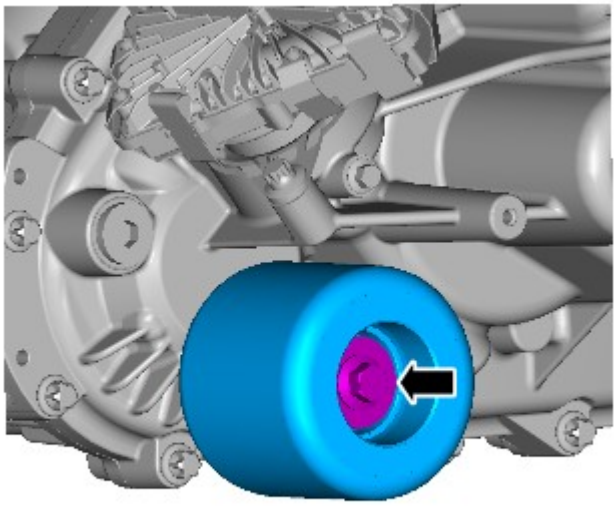
16.



Remove the motor.

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17.



E190714

Remove the damper.

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