PUBLISHED: 15-AUG-2016
2017.0 DISCOVERY (LR), 308-07

TRANSFER CASE - [+] SINGLE SPEED TRANSFER CASE

TRANSFER CASE REAR OUTPUT SHAFT BEARING (G1947975)

REMOVAL AND INSTALLATION

41.20.19	BEARING - REAR OUTPUT SHAFT - RENEW	3000 CC, AJ V6 (AJ126), SINGLE SPEED TRANSFER CASE	5	USED WITHINS	
41.20.19	BEARING - REAR OUTPUT SHAFT - RENEW	3000 CC, AJ V6 (AJ126), TWIN SPEED TRANSFER CASE	5.7	USED WITHINS	

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SPECIAL TOOL(S)



204-525-1

Replacer, Drive Flange



205-726

Remover/Installer, Wheel Hub Bearing



308-637

Installer

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JLR-308-927

Support Tool, Transfer Case



JLR-308-931

Remover, Transfer Case Flange



JLR-308-933

Remover, Transfer Case Flange

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PART(S)

STEP	PART NAME	QUANTITY
Installation Step 2	Transfer case rear output shaft bearing	1

Installation Step 3	Transfer case rear output shaft oil seal	1
Installation Step 4	Transfer case rear output shaft snap ring	1

REMOVAL

NOTE:

- Some variation in the illustrations may occur, but the essential information is always correct.
- Some components shown removed for clarity.

1. Disconnect the battery ground cable.
   Refer to: Specifications (414-00, Specifications).

2. **WARNING:**

   Make sure to support the vehicle with axle stands.

   Raise and support the vehicle.

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

4. Remove the transfer case.
   Refer to: Transfer Case - TDV6 3.0L Diesel (308-07B, Removal).
   Refer to: Transfer Case - V6 S/C 3.0L Petrol (308-07B, Removal).
   Refer to: Transfer Case - INGENIUM I4 2.0L Diesel (308-07B, Removal).

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5.

CAUTION:

Make sure the bolt holes are clean and free of foreign materials.



Remove the 17 transfer box case bolts.

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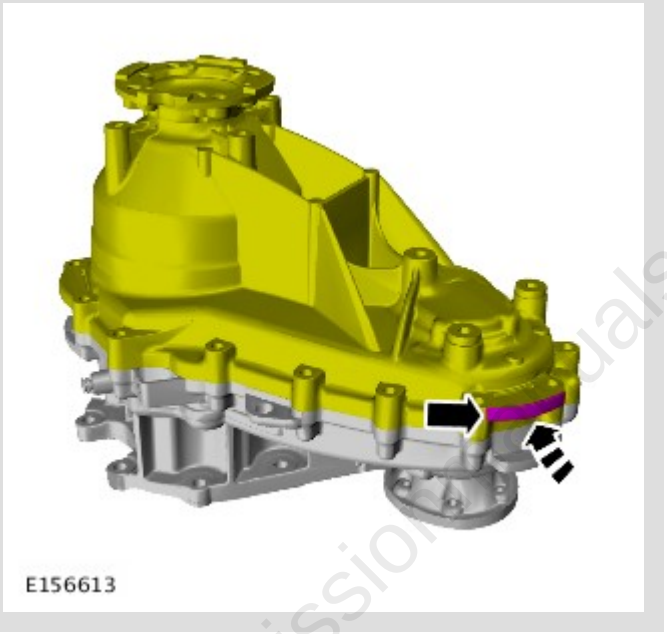
6.

WARNING:

Eye protection must be worn.

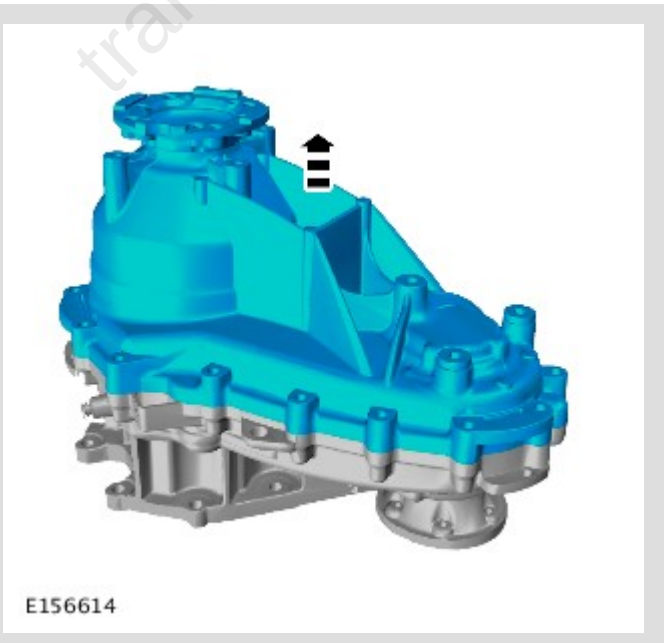
CAUTION:

Care must be taken to avoid damage to the mating surfaces.



Using a soft faced mallet, release the rear casing.

7.



Split the transfer box case.

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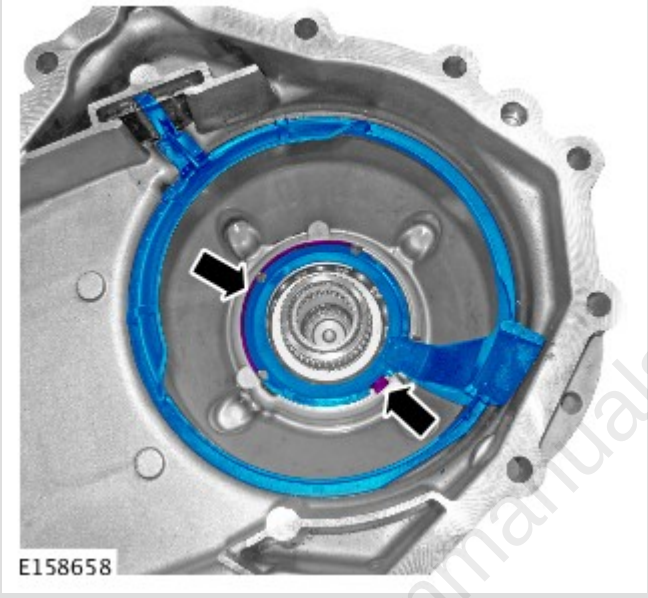
8.

CAUTION:

Make sure that the mating faces are clean and free of foreign material.

Remove the sealant from the transfer case mating faces.

9.



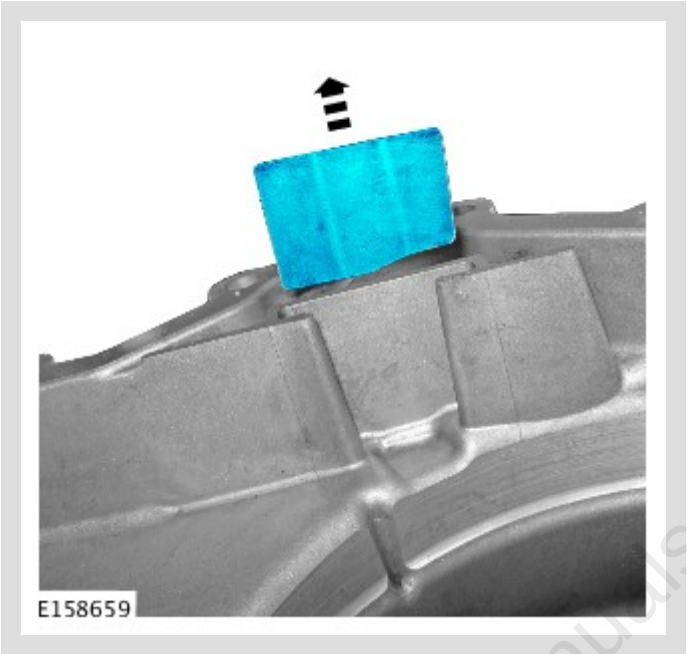
Remove the oil guide assembly.

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10.

NOTE:

Note the orientation of the component prior to removal.



Remove the magnet.

11.



Remove the circlip.

12.

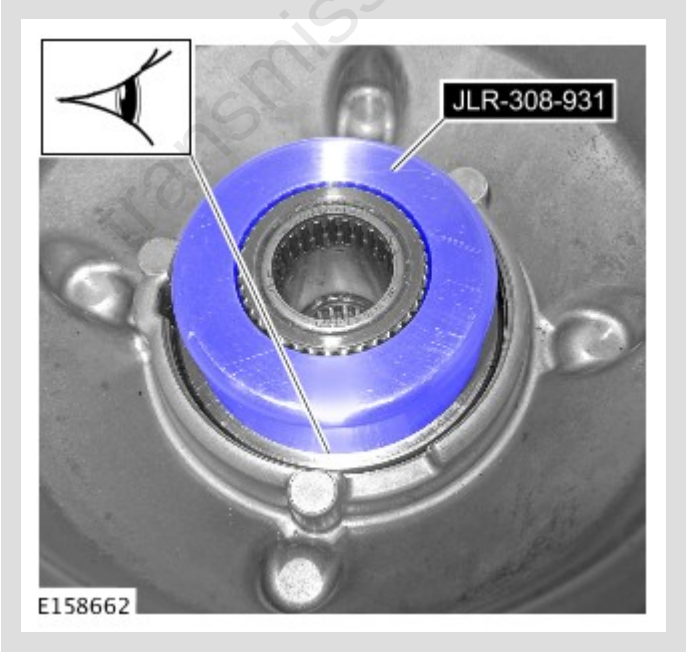


Install the special tool.
Special Tool(s): JLR-308-927

13.

CAUTION:

Make sure that the special tool is correctly located. This will make sure that the snap ring is fully compressed during the next step.



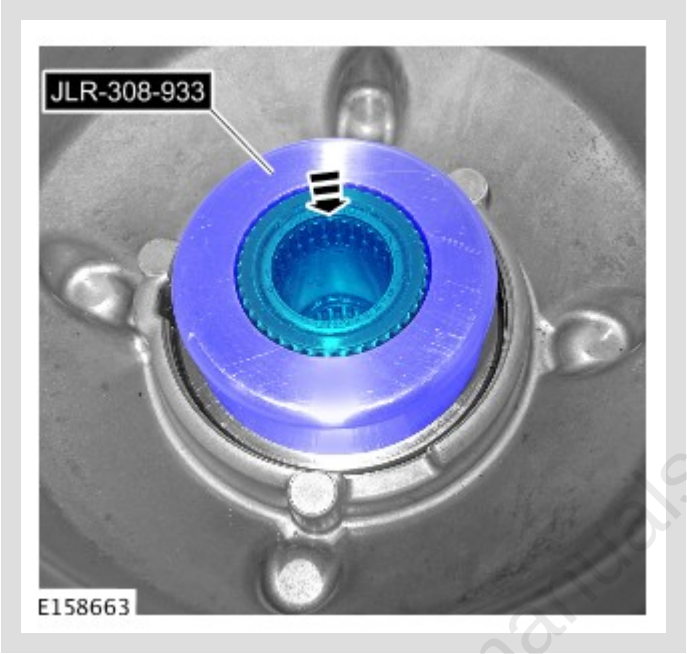
Install the special tool.
Special Tool(s): JLR-308-931

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14.

CAUTION:

- Do not use excessive force whilst removing the flange assembly.
- Discard the snap ring.



Release the transfer case rear output shaft.
Special Tool(s): JLR-308-933

15.



Remove the seal.

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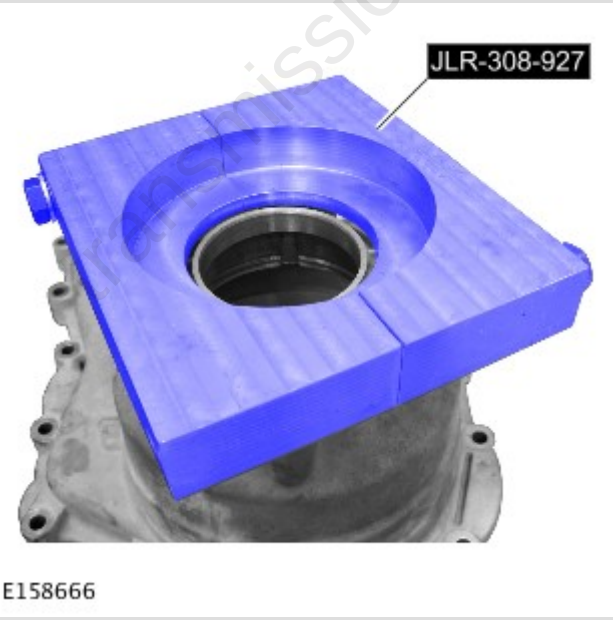
16.



Remove the bearing.

INSTALLATION

1.



Position the special tool as shown, to support the transfer case during the next step.
Special Tool(s): JLR-308-927

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2.

CAUTION:

The chamfer on the bearing inner track must face the seal.



- Install the bearing.
  Special Tool(s): 205-726
- *Renew Part: Transfer case rear output shaft bearing Quantity: 1 .*

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3.



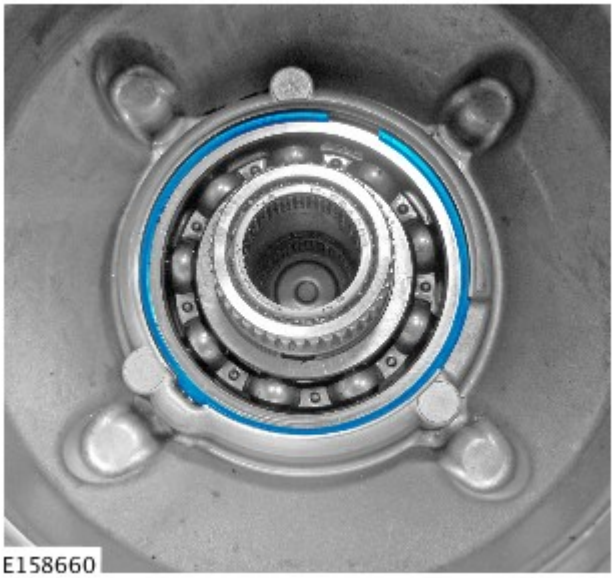
- Install the seal.
  Special Tool(s): 308-637
- *Renew Part: Transfer case rear output shaft oil seal Quantity: 1 .*

4.



- Centralize the snap ring in the snap ring groove before installing the output flange.
- Extreme care is necessary to make sure the snap ring enters the bearing squarely.
- Install a new snap ring.
- Using the special tool and with assistance, install the drive flange.
  Special Tool(s): 204-525-1
- *Renew Part: Transfer case rear output shaft snap ring Quantity: 1 .*

5.



Install the circlip.

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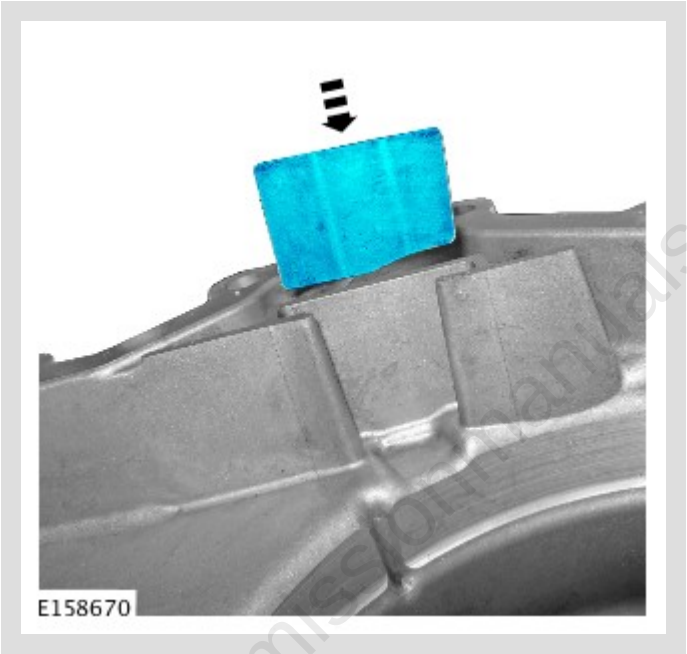
6.

CAUTION:

Make sure that the component is clean and free of foreign material .

NOTE:

Make sure that the component is installed to the noted removal position.



Install the magnet.

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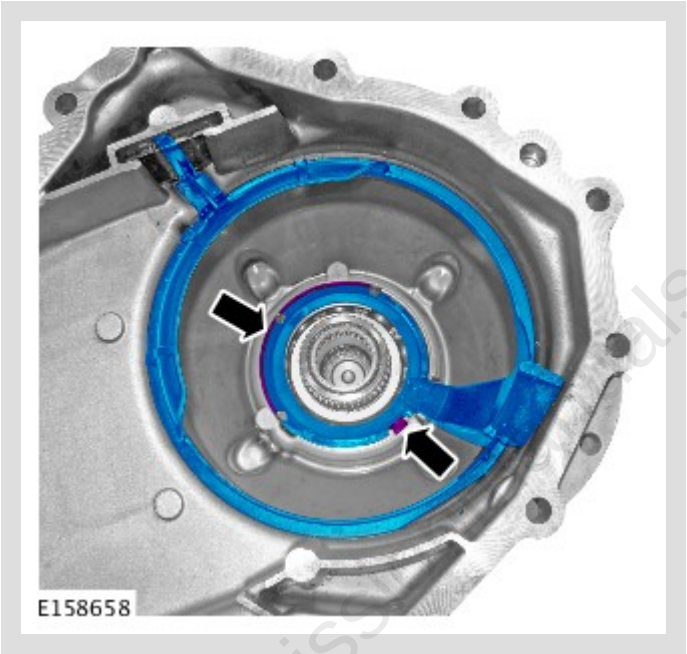
7.

CAUTION:

Make sure that the retaining tangs are installed correctly.

NOTE:

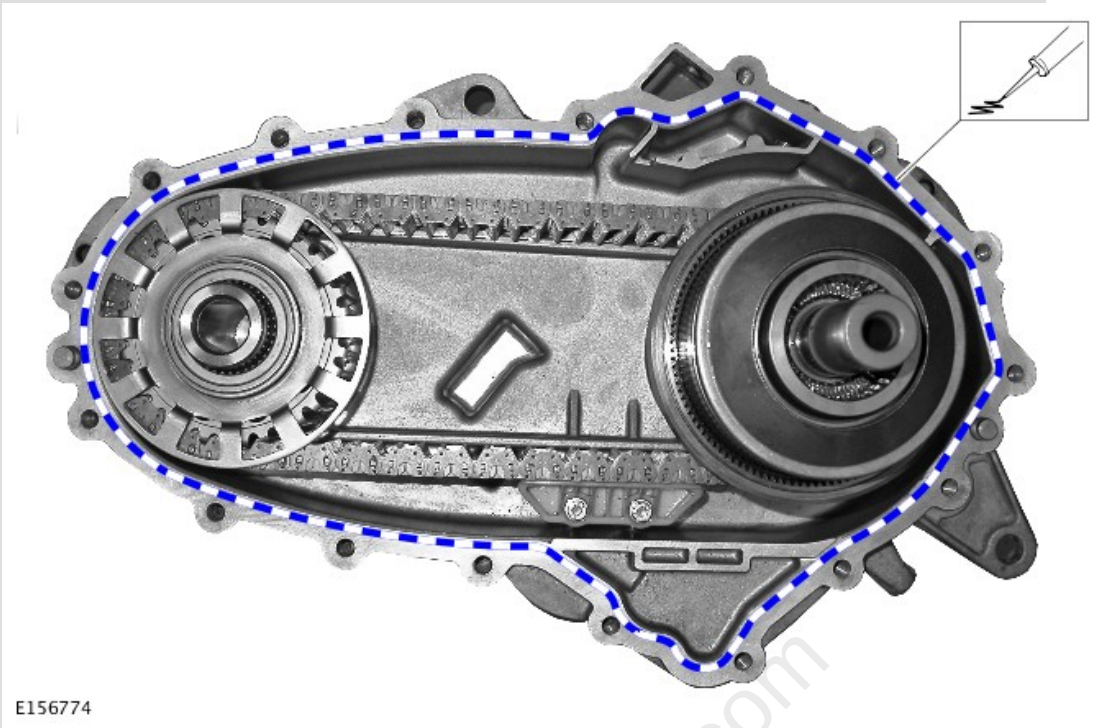
Make sure that the component is correctly installed.



Install the oil guide assembly.

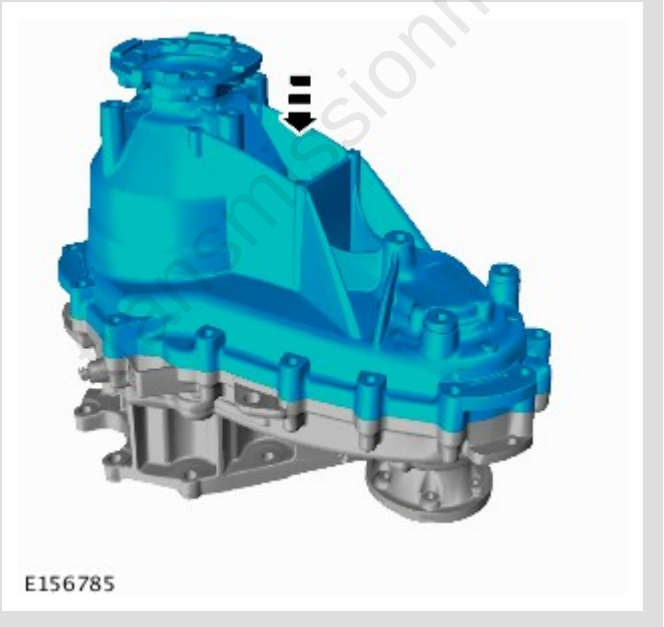
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8.



Apply a 2 mm bead of sealant to one surface of the transfer case mating face, as shown.
Refer to: Specifications (308-07A, Specifications).

9.

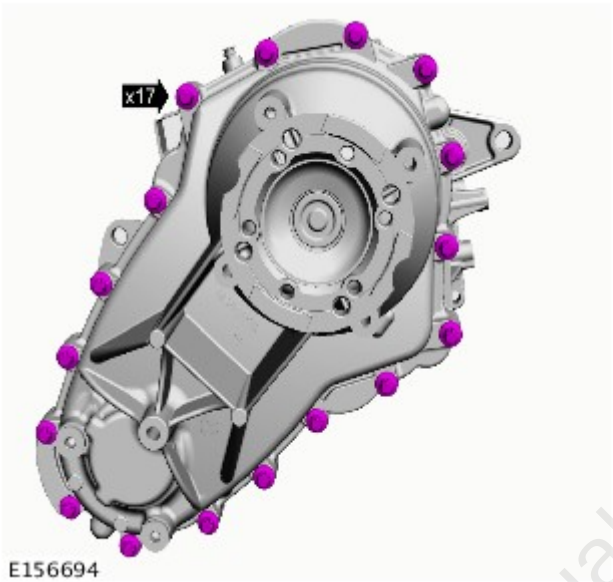


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10.

CAUTION:

Only tighten the bolts finger-tight at this stage.



Install the 17 transfer box case bolts.

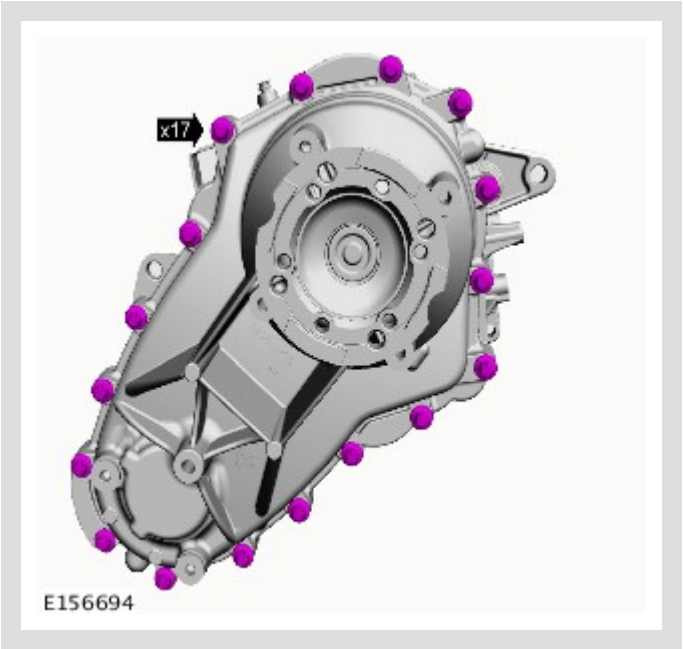
11.



Torque: **10 Nm**

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12.



Torque: **35 Nm**

13. Install the transfer case.
Refer to: Transfer Case - TDV6 3.0L Diesel (308-07B, Installation).
Refer to: Transfer Case - V6 S/C 3.0L Petrol (308-07B, Installation).
Refer to: Transfer Case - INGENIUM I4 2.0L Diesel (308-07B, Installation).

14. Fill the transfer case with the recommended fluid.
Refer to: Transfer Case Draining and Filling (308-07, General Procedures).

15. Connect the battery ground cable.
Refer to: Specifications (414-00, Specifications).

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