PUBLISHED: 30-MAR-2017
2022.0 DEFENDER (LE), 307-01

AUTOMATIC TRANSMISSION/TRANSAXLE - VEHICLES WITH: 8HP70 8-SPEED AUTOMATIC TRANSMISSION AWD

TRANSMISSION - TDV6 3.0L DIESEL

(G1976209)

REMOVAL

44.20.01	GEARBOX - RENEW	3000 CC, TDV6, WITH PARTICULATE FILTER, WITH DIESEL EXHAUST FLUID	7.4	USED WITHINS	
44.20.01	GEARBOX - RENEW	3000 CC, TDV6, WITH PARTICULATE FILTER, WITHOUT DIESEL EXHAUST FLUID	6.7	USED WITHINS	

REMOVAL

SPECIAL TOOL(S)

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303-021

303-021

Engine support bracket



E53727

303-1069

Adapter, Wrench



E54554

303-1129

Engine Lifting Brackets

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303-1497

Left-Hand Rear Engine Lifting Bracket

PART(S)

STEP	PART NAME	QUANTITY
Step 19	Transmission casing O-ring seals	1
Step 21	Torque converter bolts	1
Step 41	Transfer case connecting sleeve O-ring seal	1

NOTE:

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

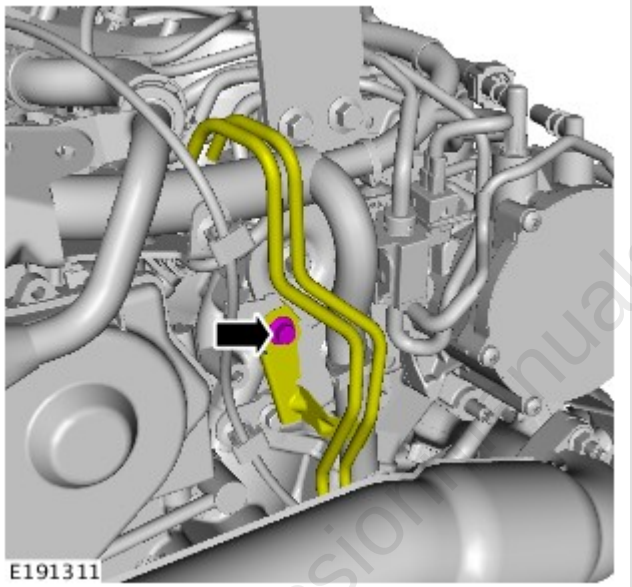
All vehicles

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

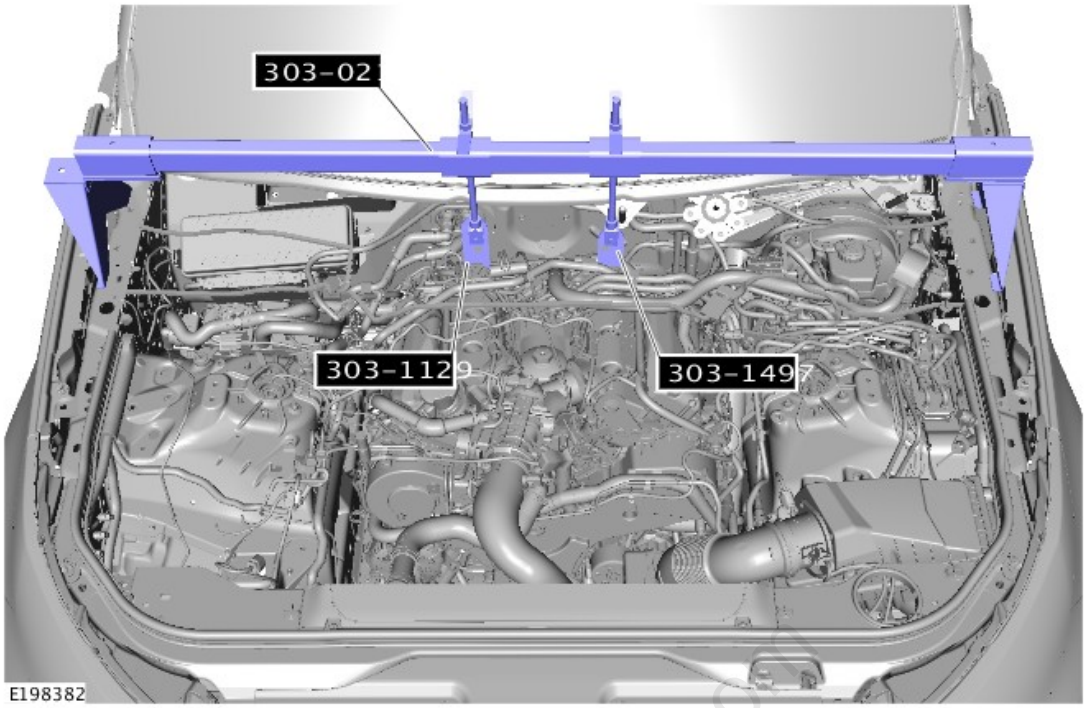
2. Disconnect the startup battery ground cable.
   Refer to: Specifications (414-00 Battery and Charging System - General Information, Specifications).

3. Remove the secondary bulkhead panel.
   Refer to: Secondary Bulkhead Centre Panel - TDV6 3.0L Diesel (501-02 Front End Body Panels, Removal and Installation).

4. 

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5.



Special Tool(s): 303-021 , 303-1129 , 303-1497

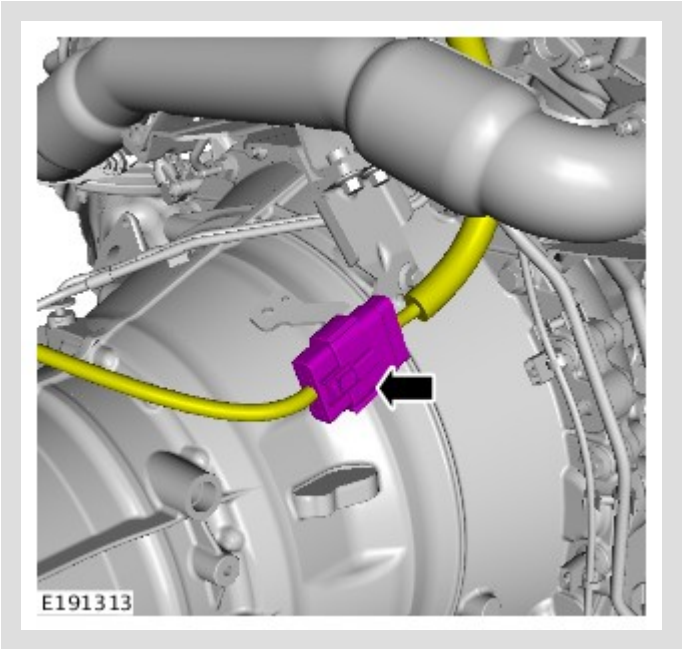
6. Remove the front driveshaft.
Refer to: Front Driveshaft - TDV6 3.0L Diesel (205-01 Driveshaft, Removal and Installation).

7. Remove the rear driveshaft.
Refer to: Rear Driveshaft - TDV6 3.0L Diesel (205-01 Driveshaft, Removal and Installation).

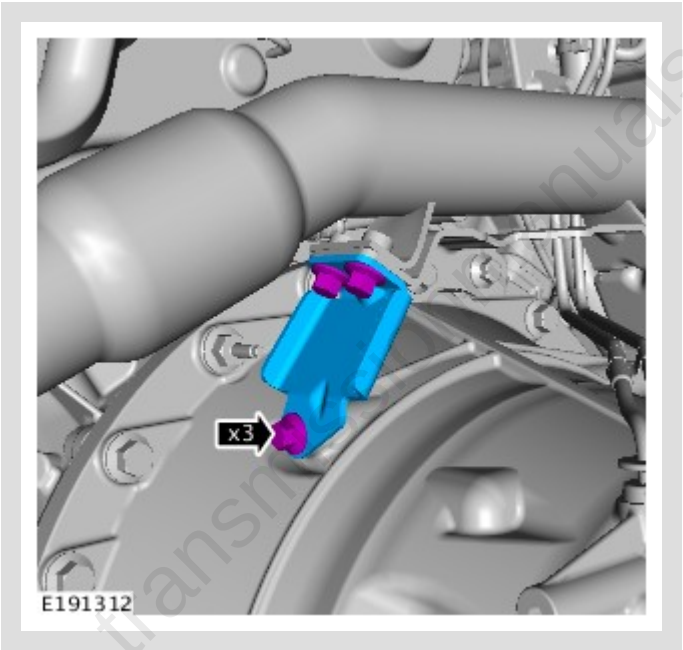
8. Remove the starter motor.
Refer to: Starter Motor (303-06 Starting System - TDV6 3.0L Diesel, Removal and Installation).

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9.

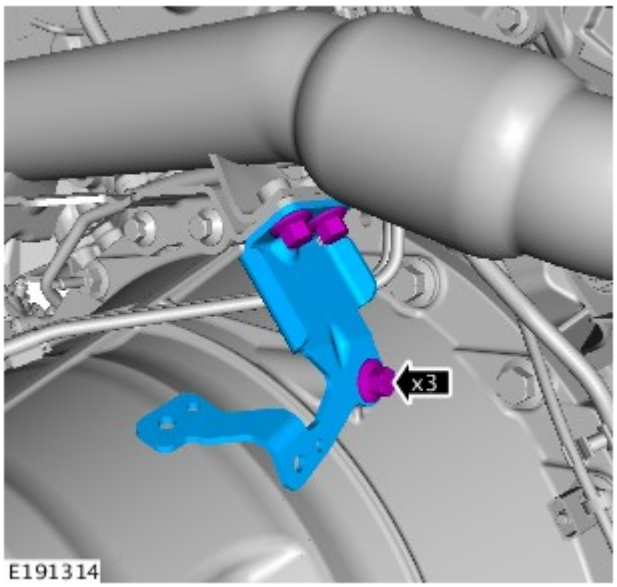


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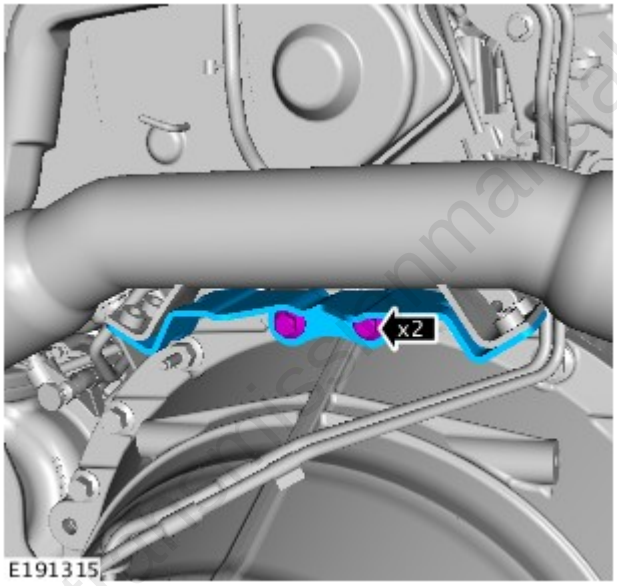


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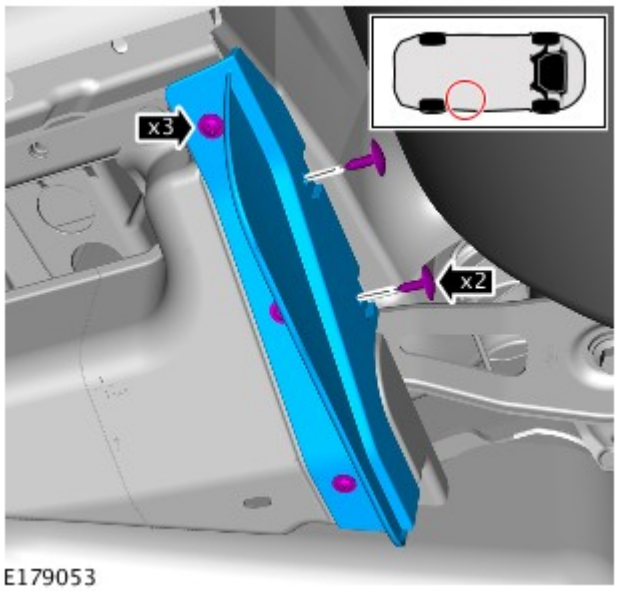
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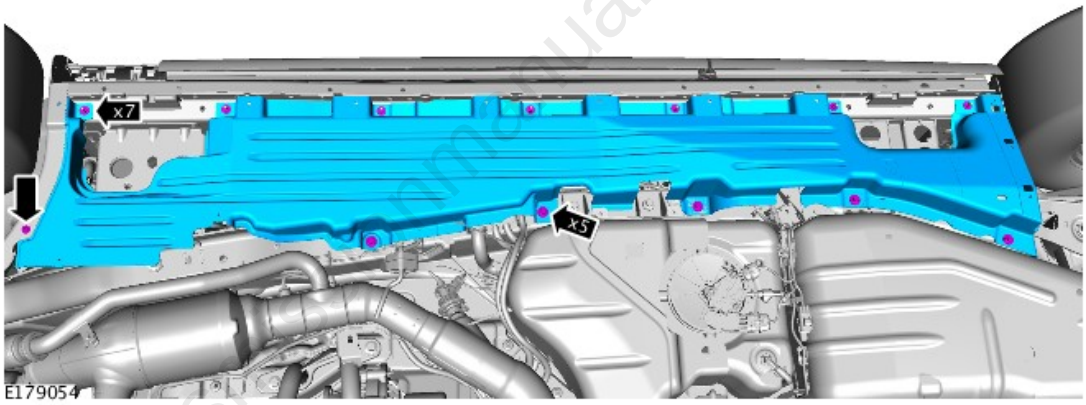
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13.

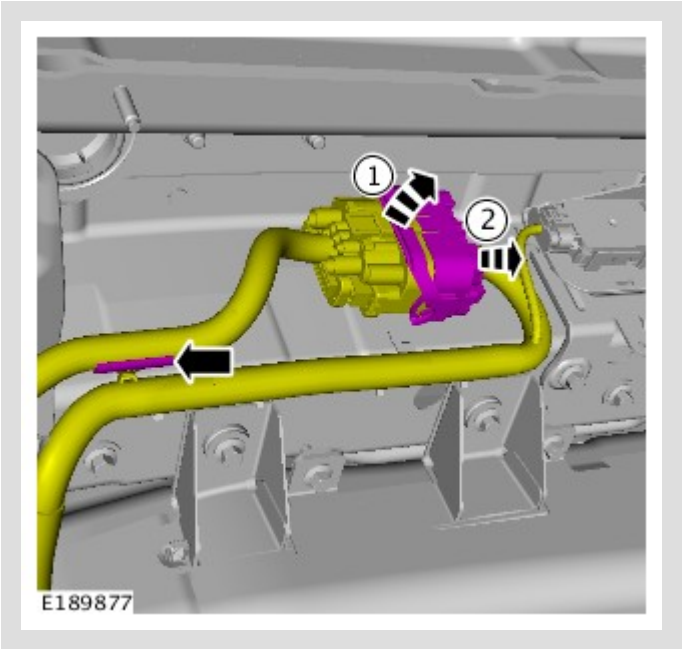


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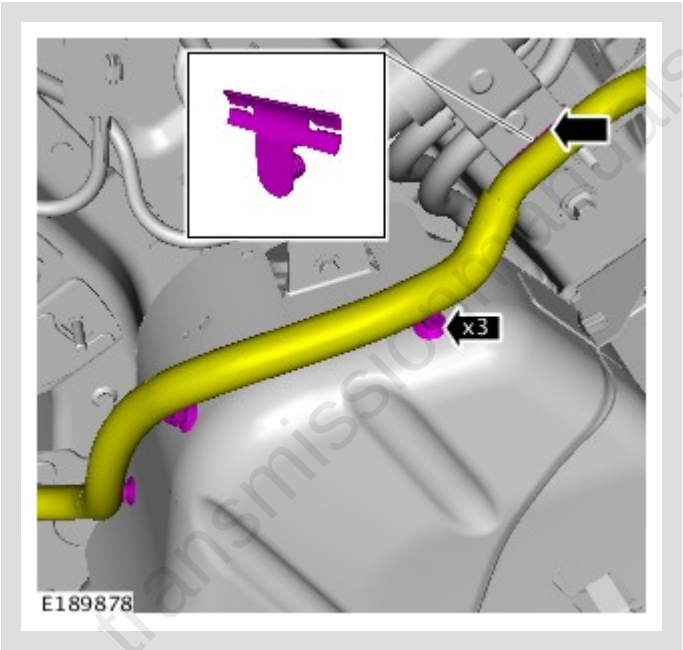


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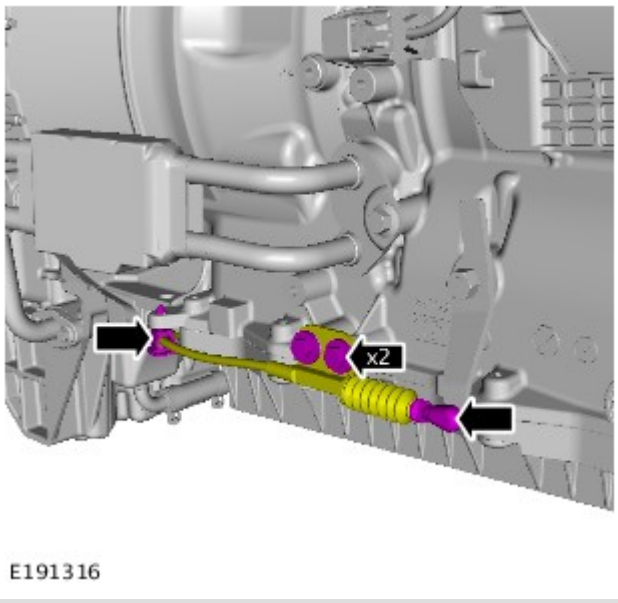


16.



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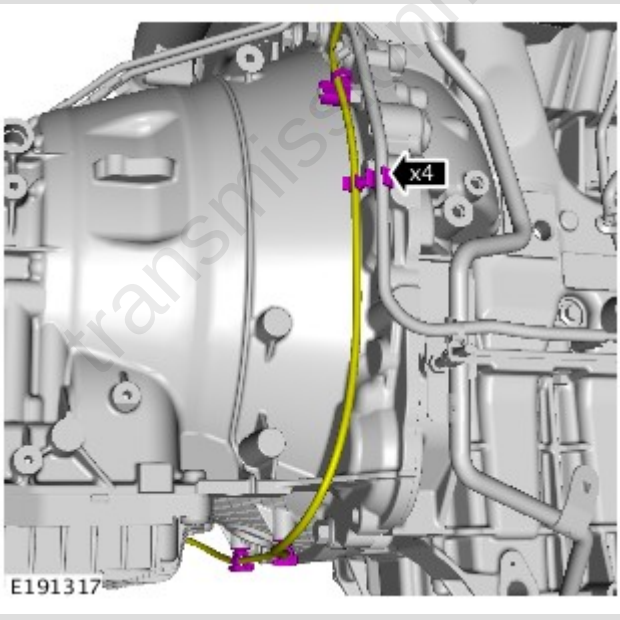
17.



18.

NOTE:

Secure with cable ties.



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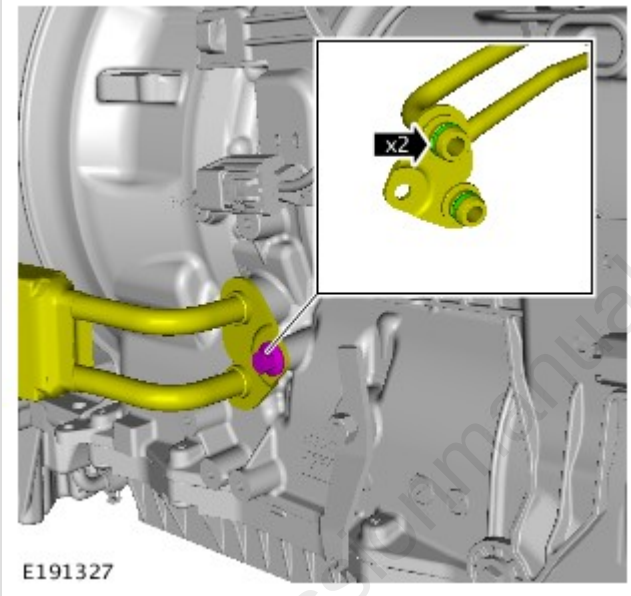
19.

WARNING:

Be prepared to collect escaping fluid.

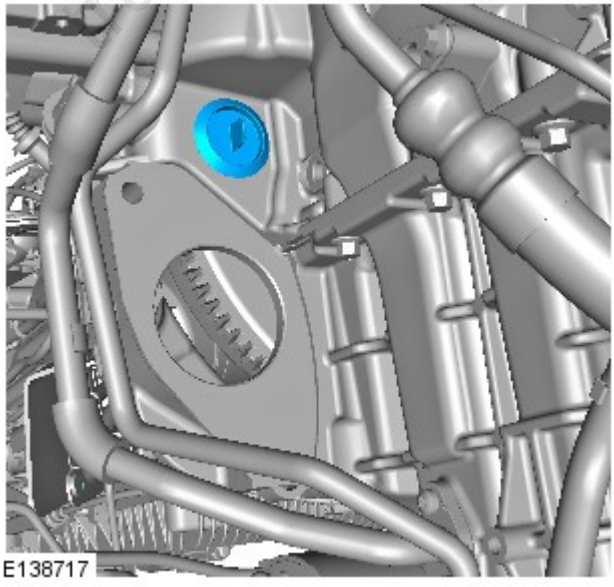
CAUTION:

Remove and discard the 2 O-ring seals.



Renew Part: Transmission casing O-ring seals Quantity: 1 .

20.



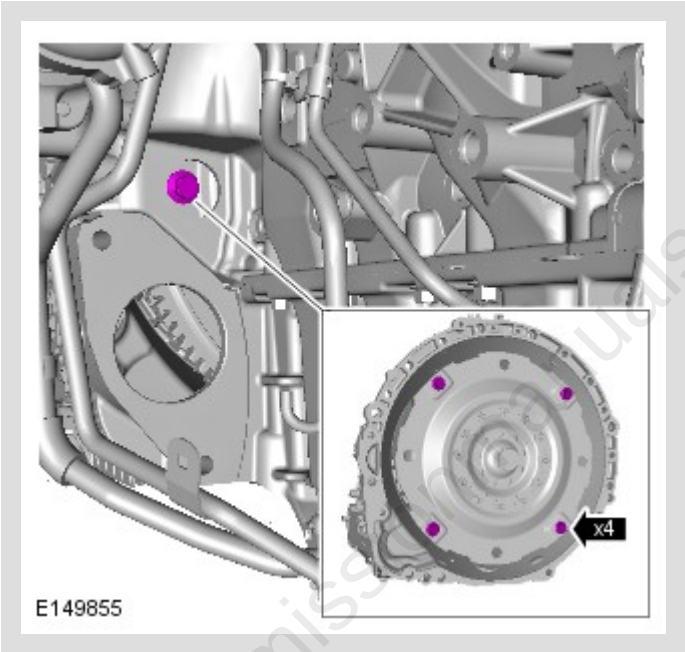
21.

CAUTION:

Only rotate the crankshaft clockwise.

NOTE:

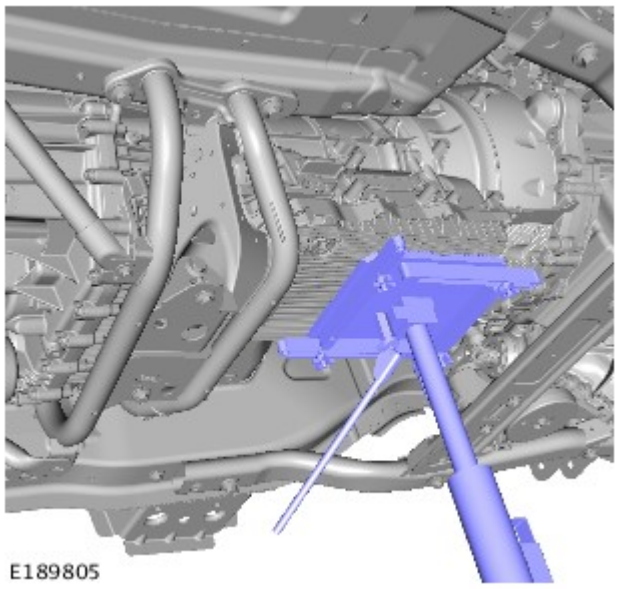
Discard the bolts.



Renew Part: Torque converter bolts Quantity: 1 .

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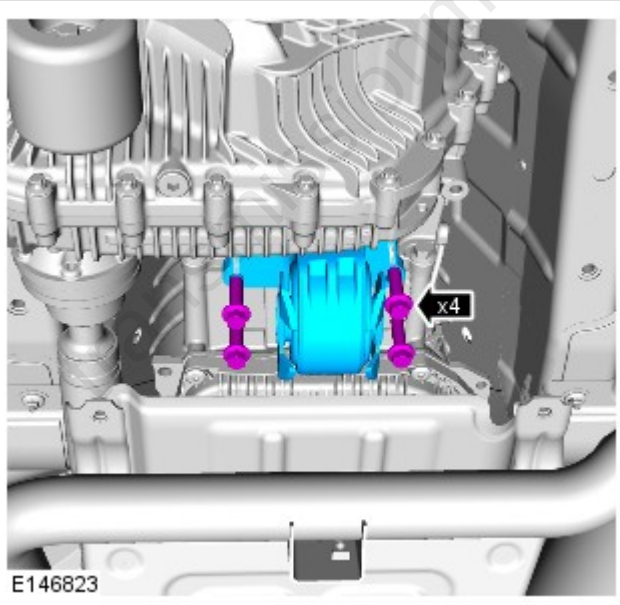
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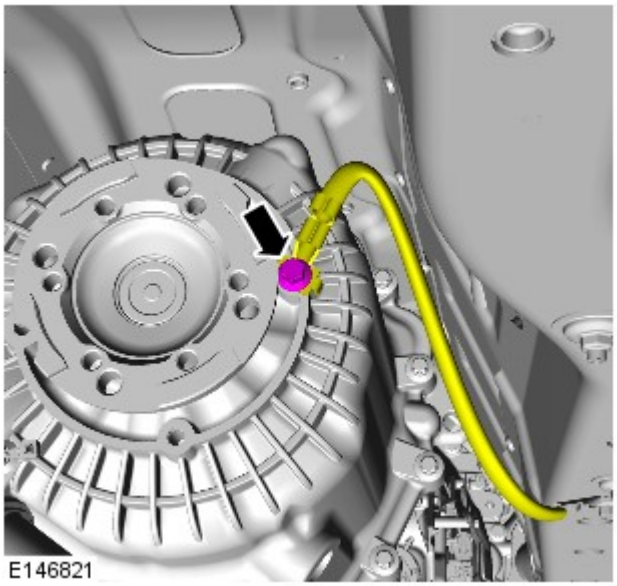
Using a transmission jack, support the transmission.

23. Remove the transmission support crossmember.
Refer to: Transmission Support Crossmember - TDV6 3.0L Diesel (502-02 Full Frame and Body Mounting, Removal and Installation).

24.



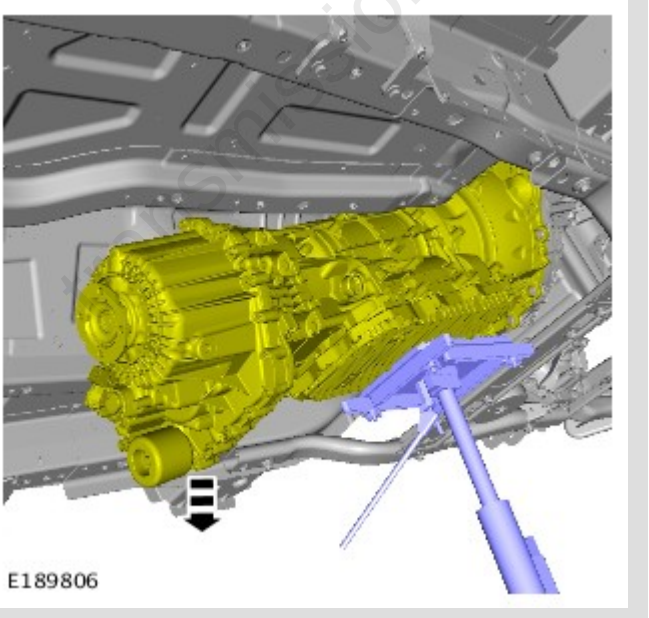
25.



26.

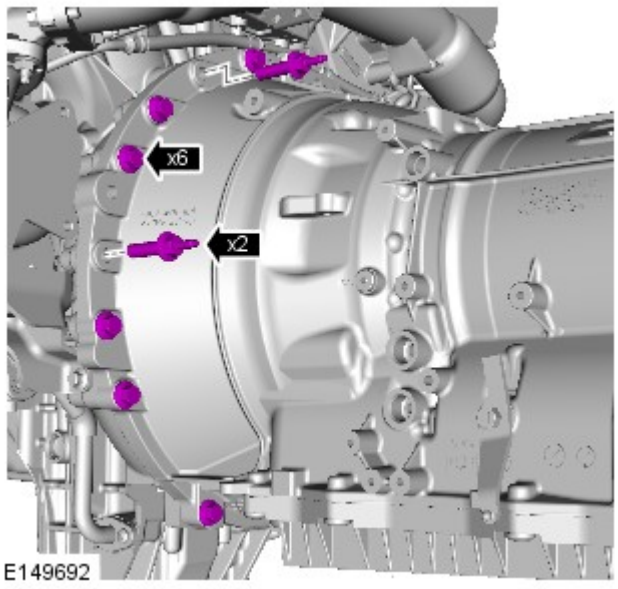
WARNING:

Make sure that the transmission is secured with suitable retaining straps.



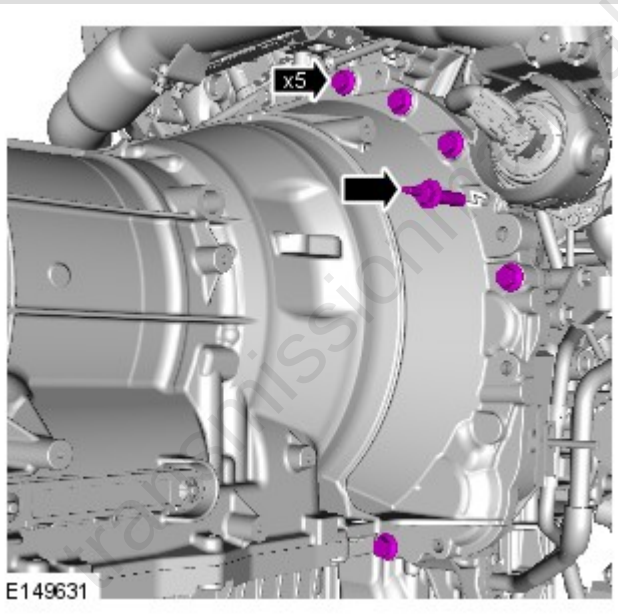
Lower the rear of the transmission for access.

27.



Note the location of the bolts prior to removal.

28.



29.

WARNING:

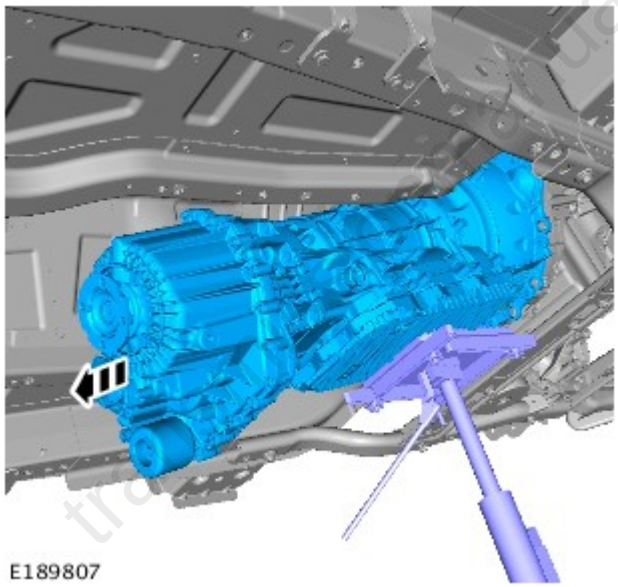
This step requires the aid of another technician.

CAUTION:

Make sure that the torque converter remains in the transmission.

NOTE:

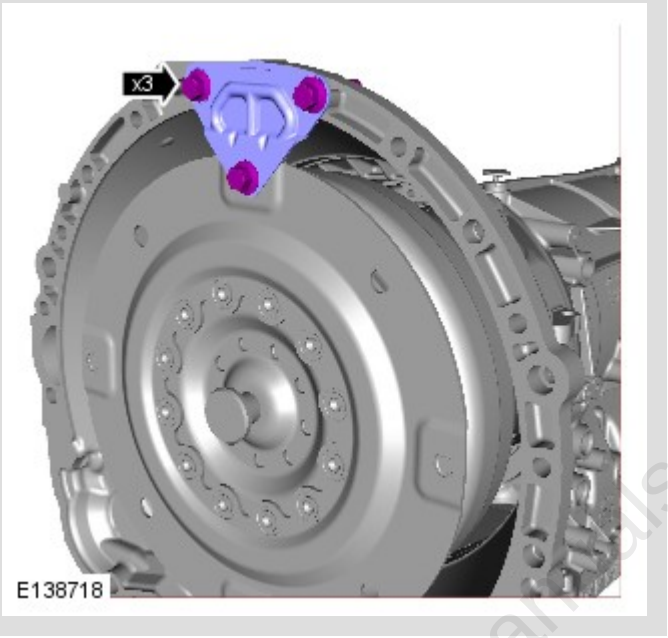
Do not disassemble further if the component is removed for access only.



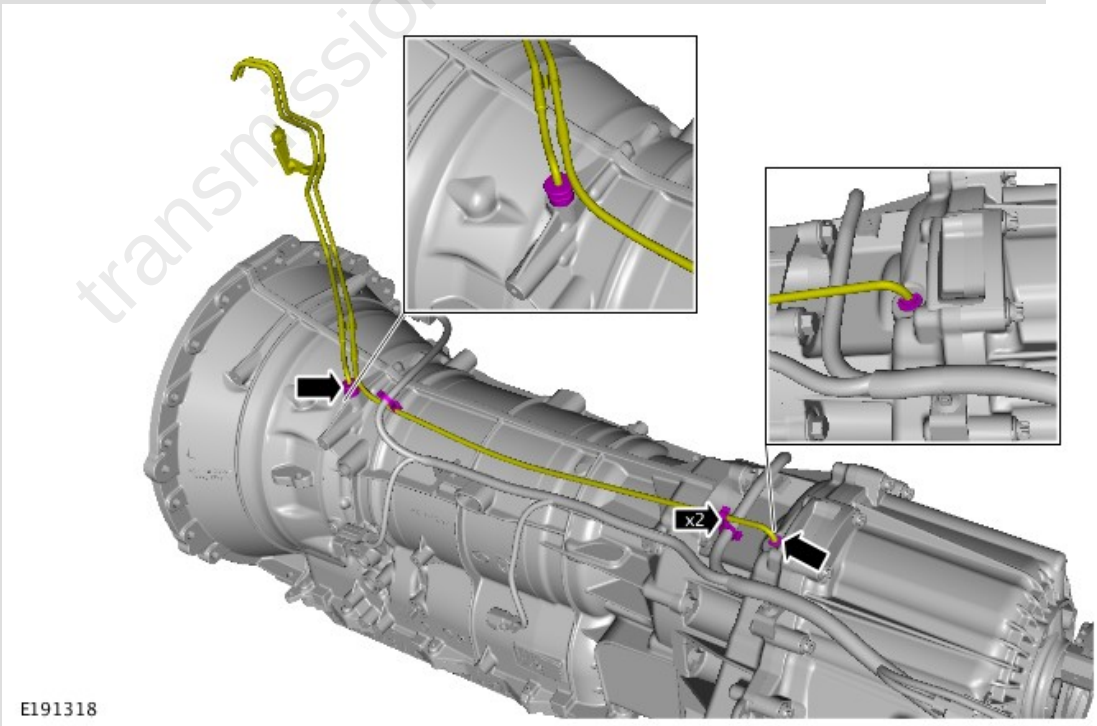
30.

NOTE:

Secure the torque converter to the transmission using a suitable retainer.

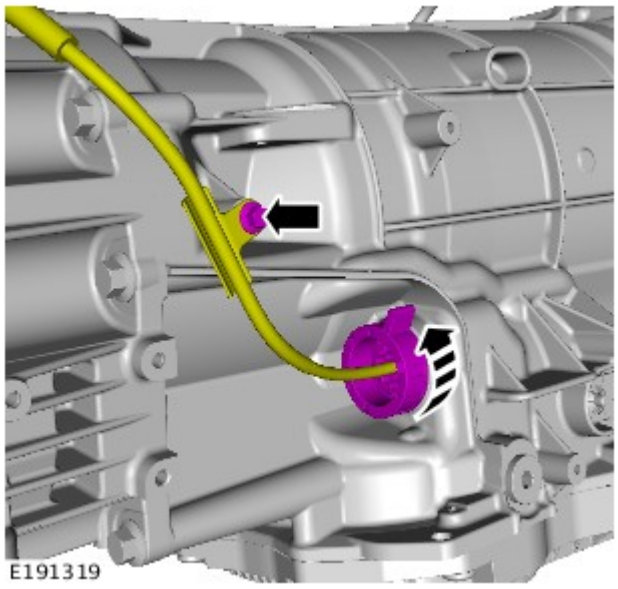


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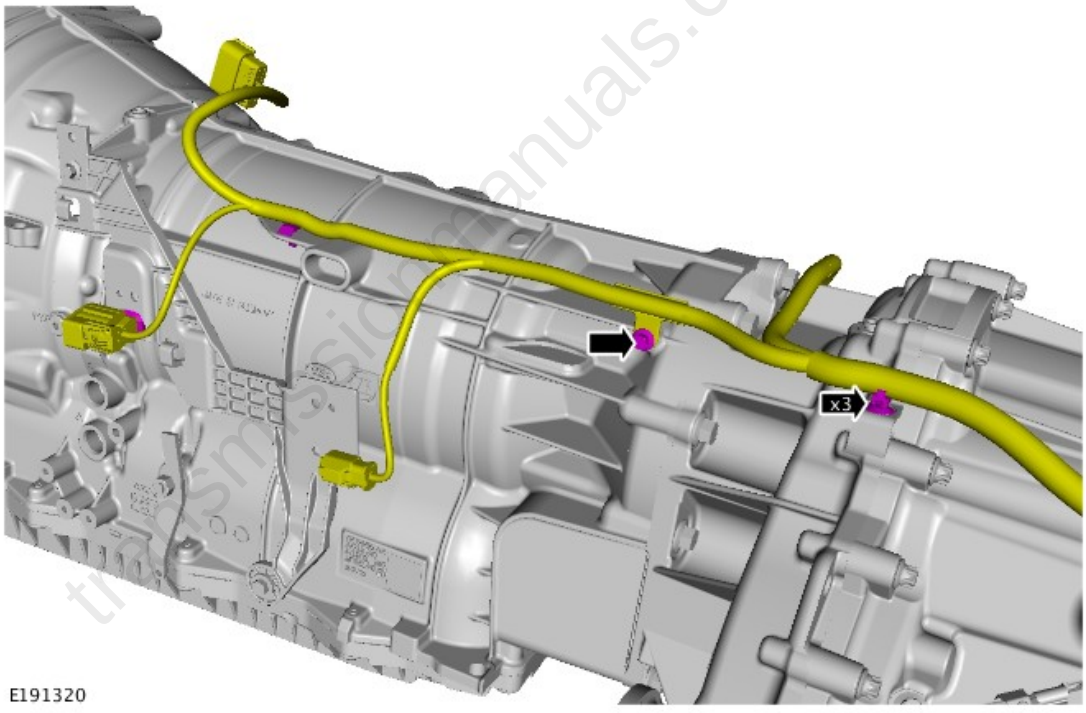


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32.



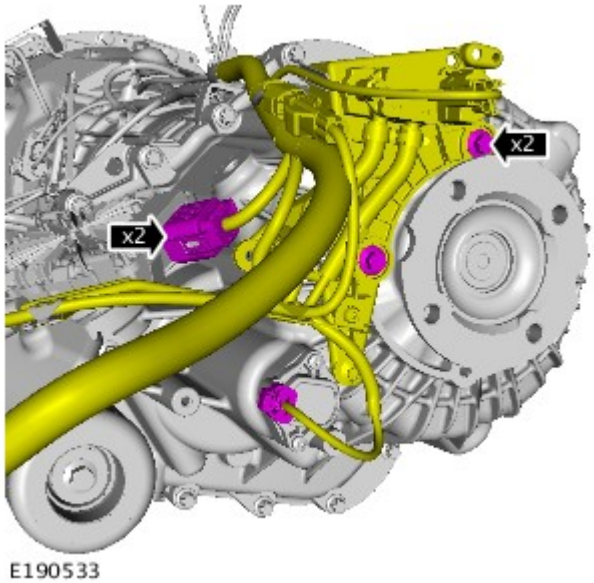
33.



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Vehicles with twin speed transfer case

1.

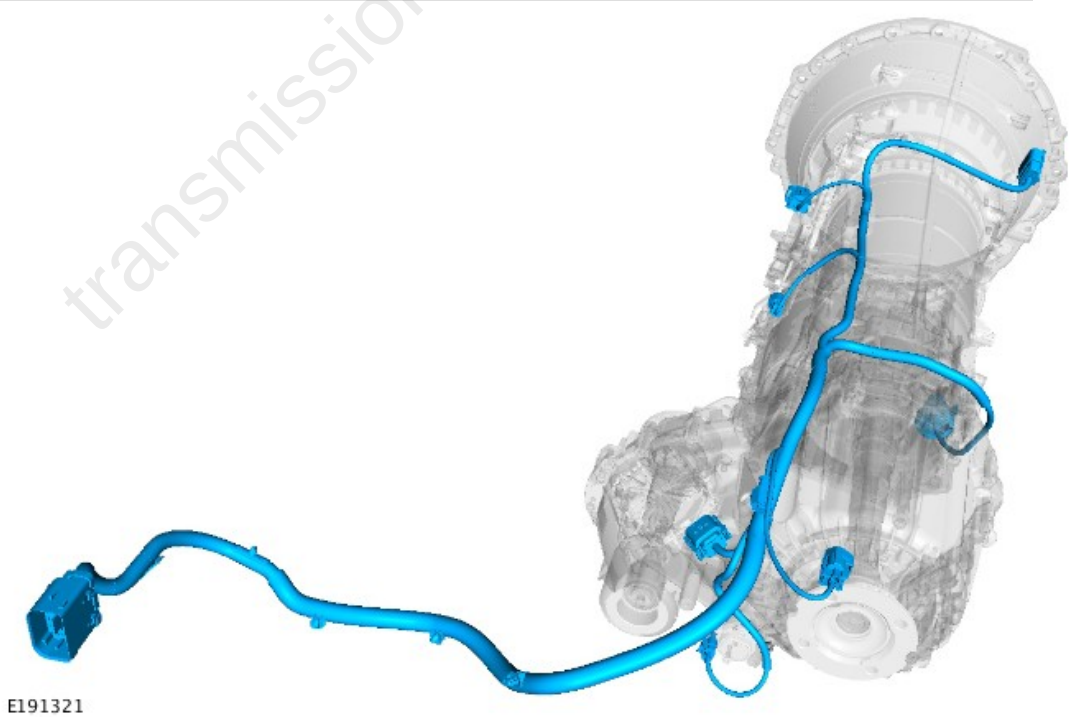


E190533

2.

NOTE:

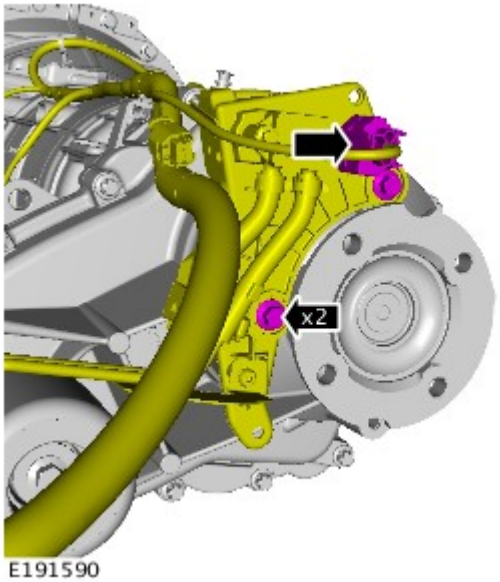
Note the routing of the transmission wiring harness.


E191321

Vehicles with single speed transfer case

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1.

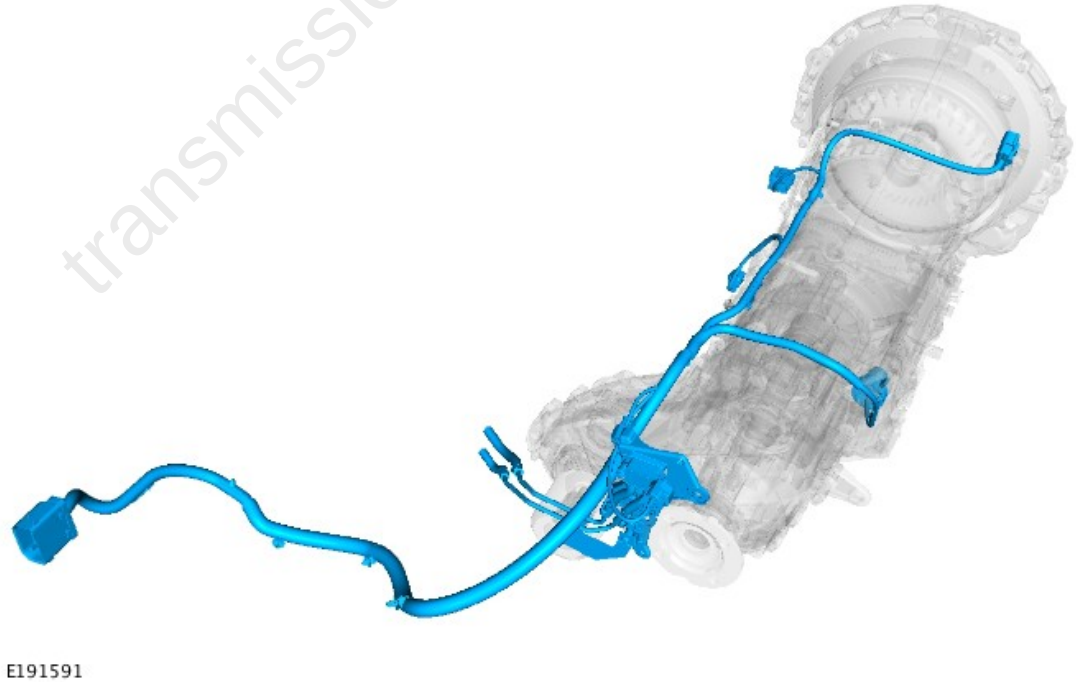


E191590

2.

NOTE:

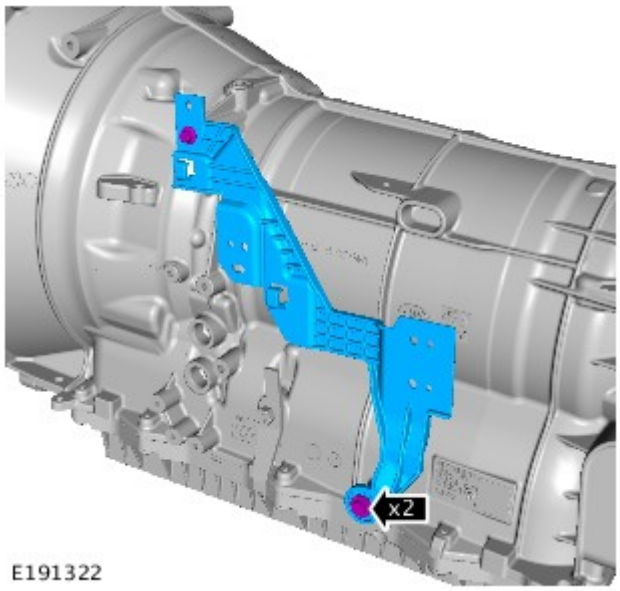
Note the routing of the transmission wiring harness.


E191591

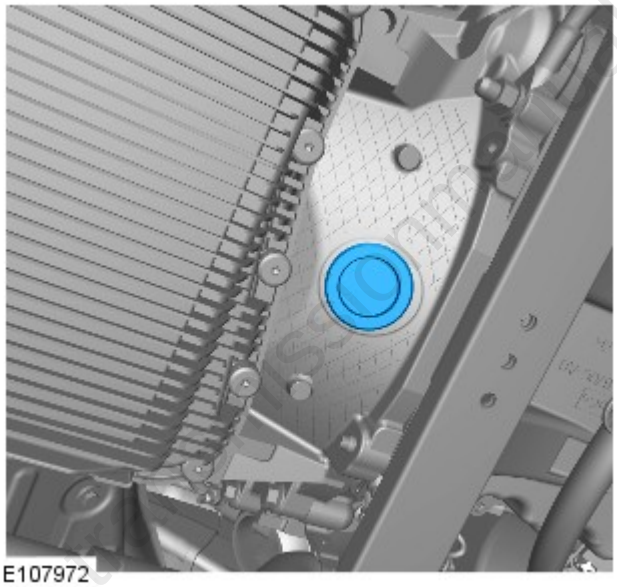
All vehicles

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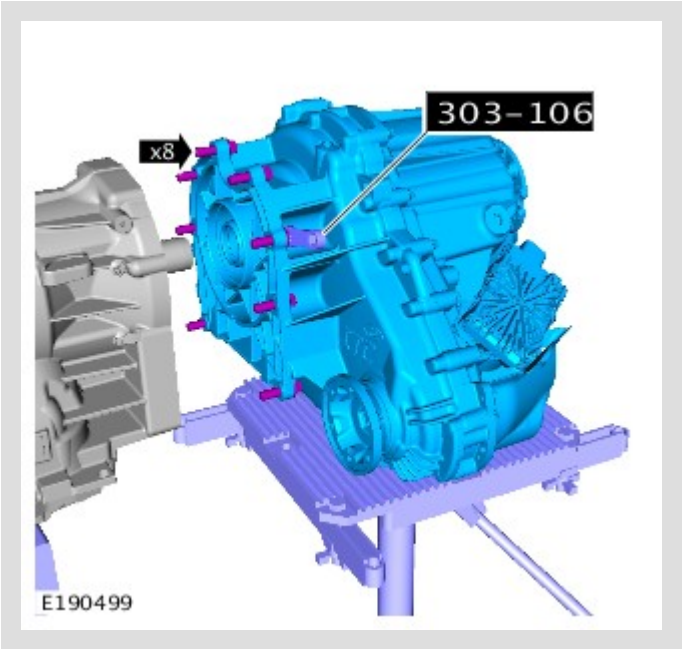
1.



2.



3.

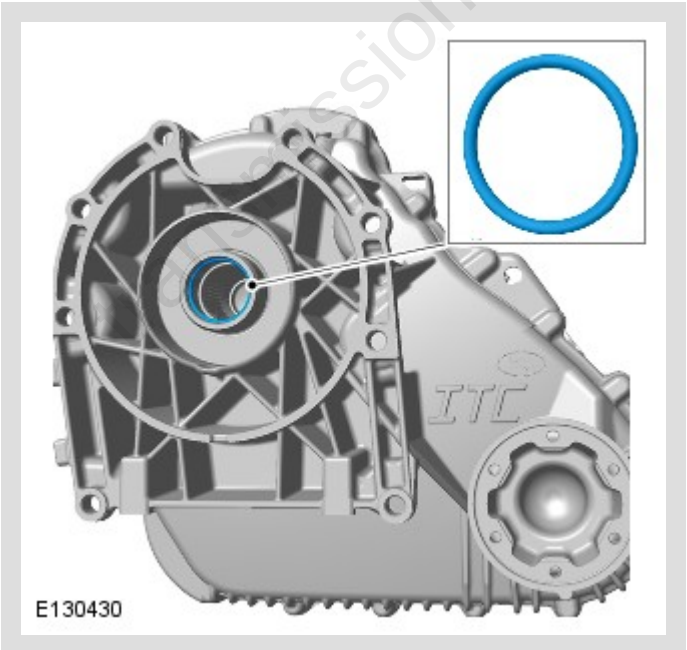


Special Tool(s): 303-1069

4.

CAUTION:

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



Renew Part: *Transfer case connecting sleeve O-ring seal* *Quantity:* *1* .

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