PUBLISHED: 04-MAY-2017
2017.0 DISCOVERY (LR), 307-01

AUTOMATIC TRANSMISSION/TRANSAXLE - VEHICLES WITH: 8HP45 8-SPEED AUTOMATIC TRANSMISSION AWD

TRANSMISSION - V6 S/C 3.0L PETROL

(G1977554)

REMOVAL

44.20.01	GEARBOX - RENEW	3000 CC, AJ V6 (AJ126)	6.6	USED WITHINS

REMOVAL

SPECIAL TOOL(S)



303-021

303-021

Engine support bracket

transmissionmanuals.com



303-1069

Adapter, Wrench



303-1435

Engine Lifting Brackets Rear

transmissionmanuals.com

GENERAL EQUIPMENT

EQUIPMENT NAME
Transmission jack

PART(S)

STEP	PART NAME	QUANTITY
Step 12	Transmission casing O-ring seals	1
Step 50	Transfer case connecting sleeve O-ring seal	1

CAUTION:

New transmission assemblies are supplied pre-filled with transmission fluid.

NOTE:

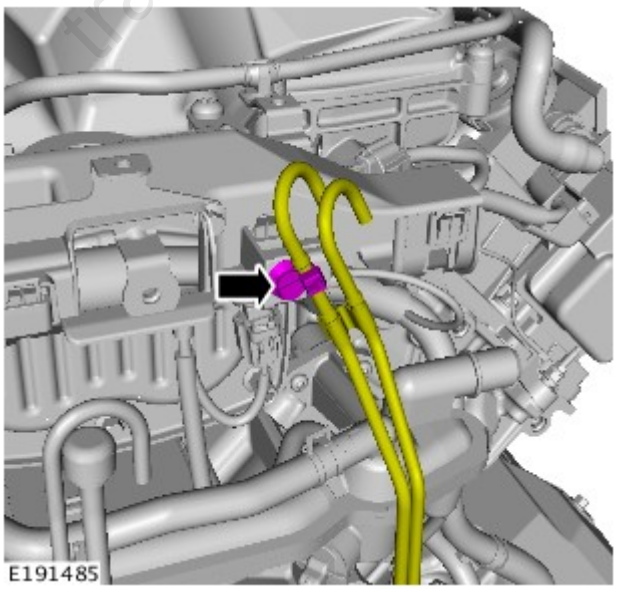
Some variation in the illustrations may occur, but the essential information is always correct.

All vehicles

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

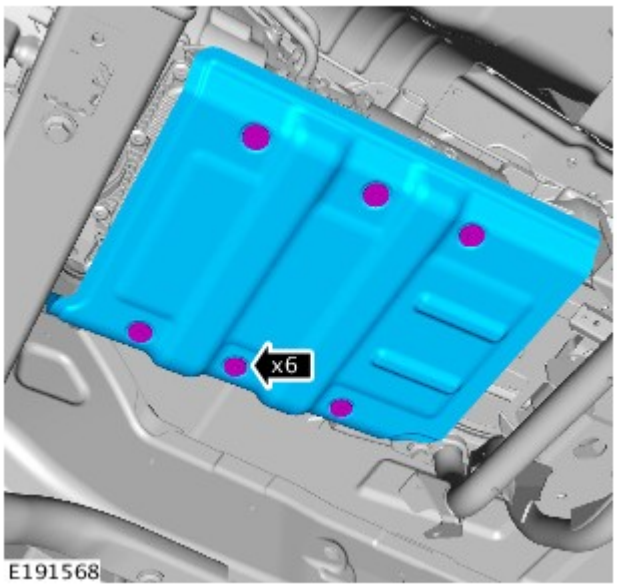
2. Remove the secondary bulkhead center panel.
   Refer to: Secondary Bulkhead Centre Panel - V6 S/C 3.0L Petrol (501-02 Front End Body Panels, Removal and Installation).

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

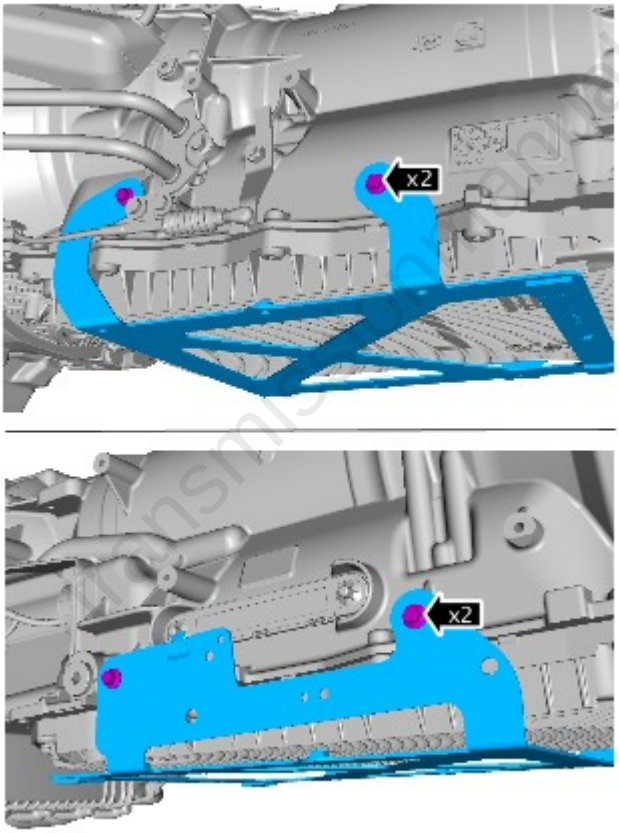
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5.

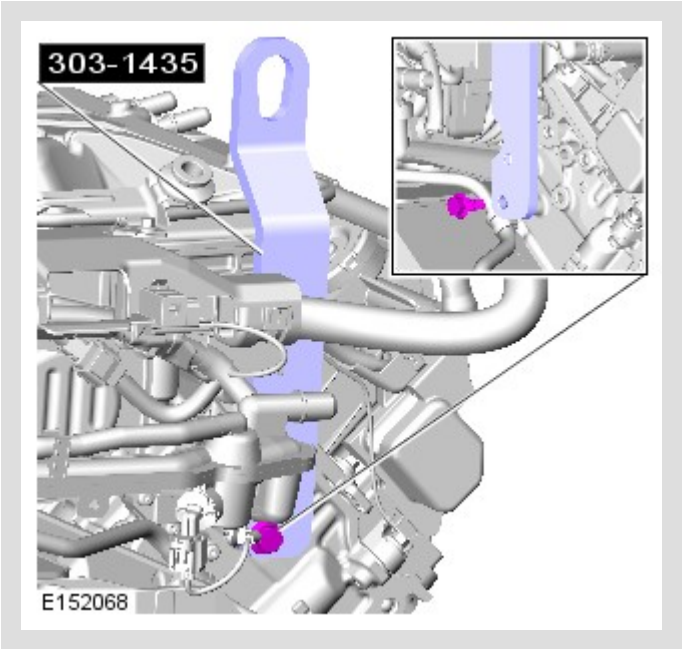


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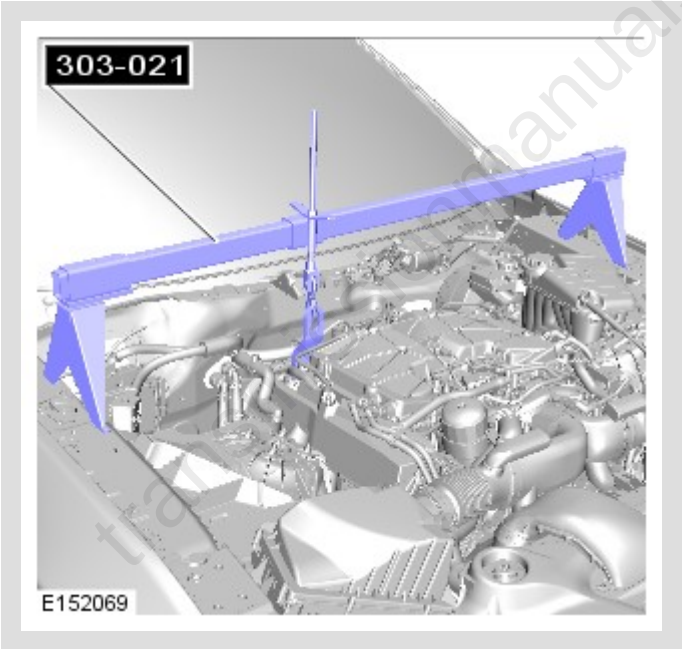
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7.



Special Tool(s): 303-1435
Torque: **40 Nm**

8.



Special Tool(s): 303-021

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

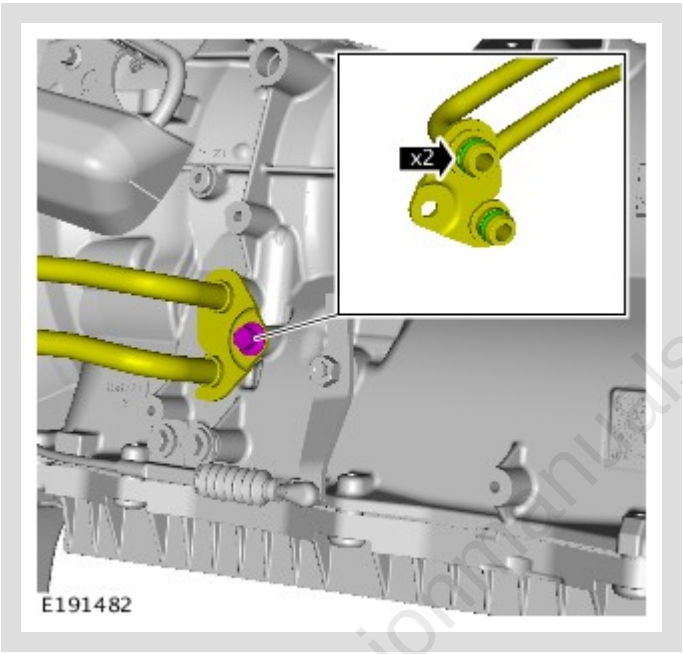
10. Remove the rear driveshaft.
Refer to: Rear Driveshaft - V6 S/C 3.0L Petrol (205-01 Driveshaft, Removal and Installation).

11. Remove the starter motor.
Refer to: Starter Motor (303-06 Starting System - V6 S/C 3.0L Petrol, Removal and Installation).

12.

WARNING:

Be prepared to collect escaping fluids.



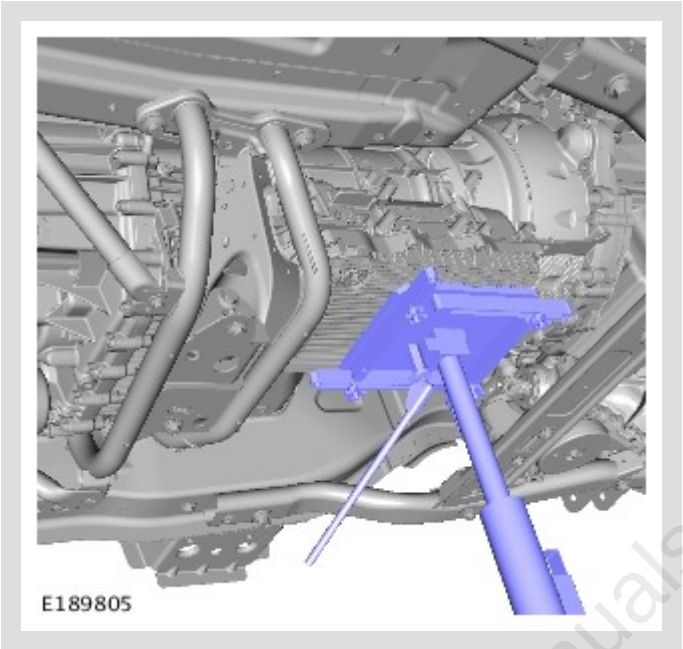
Remove and discard the 2 O-ring Seals.
Renew Part: Transmission casing O-ring seals Quantity: 1 .

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13.

NOTE:

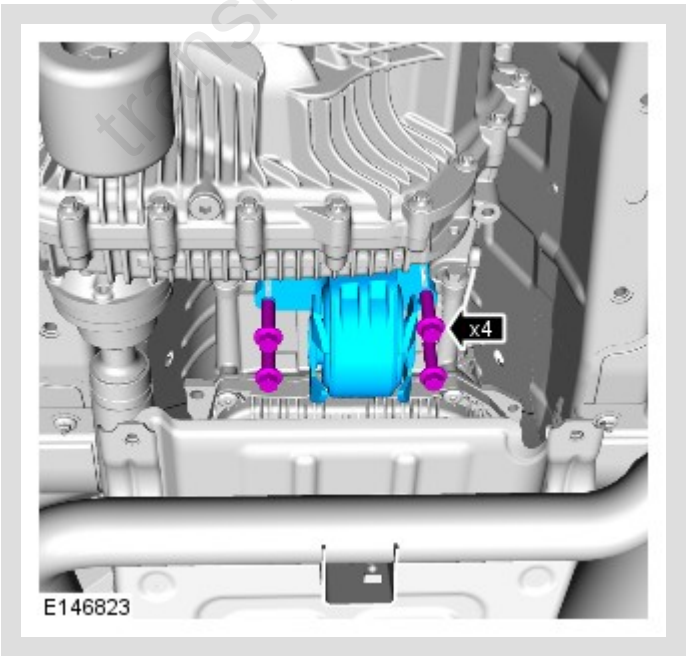
Using a transmission jack, support the transmission.



General Equipment: Transmission jack

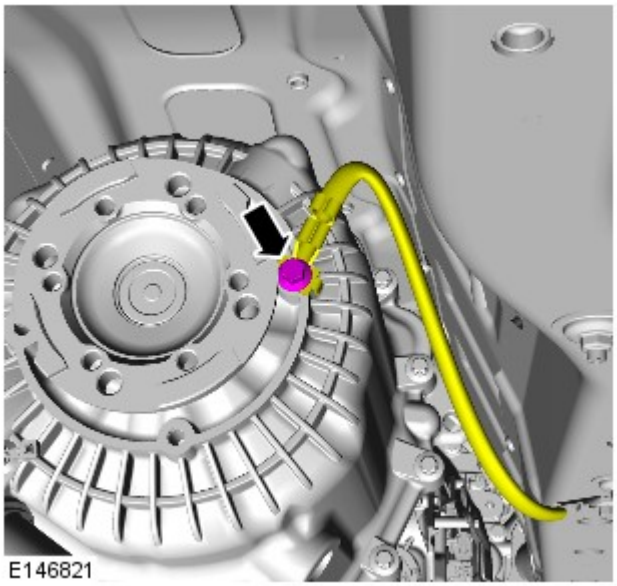
14. Remove the support crossmember.
Refer to: Transmission Support Crossmember - V6 S/C 3.0L Petrol (502-02 Full Frame and Body Mounting, Removal and Installation).

15.

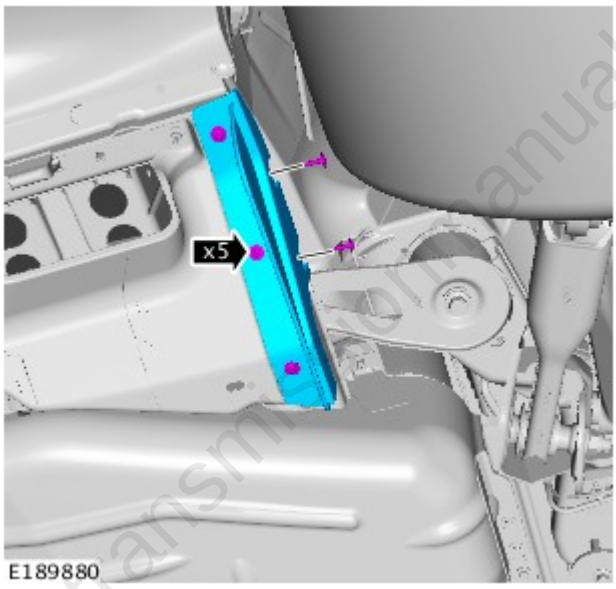


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16.

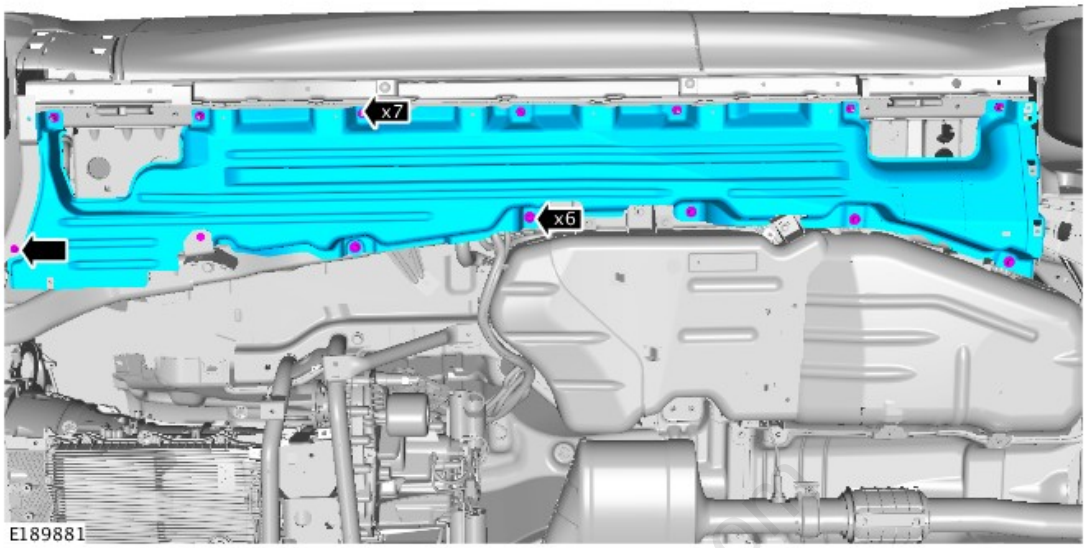


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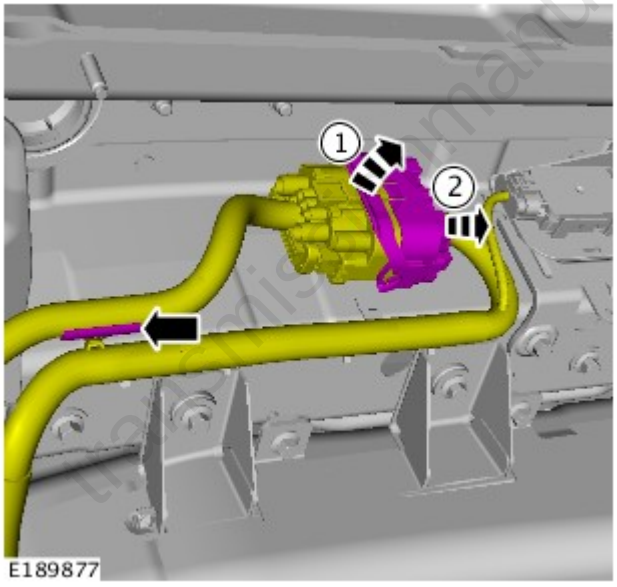


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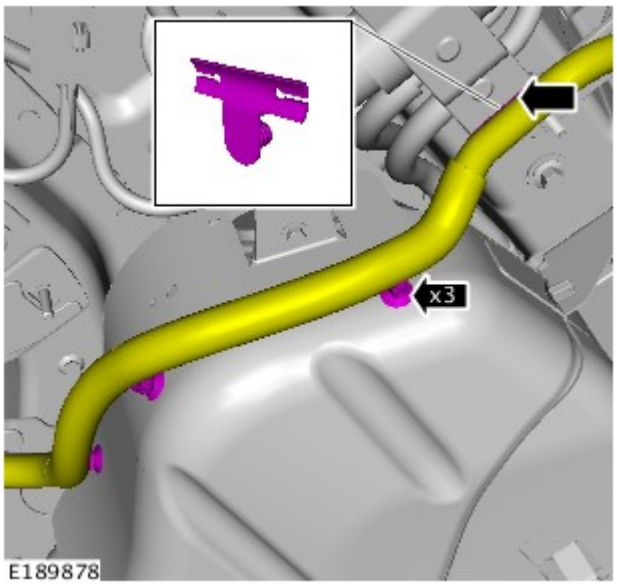
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19.

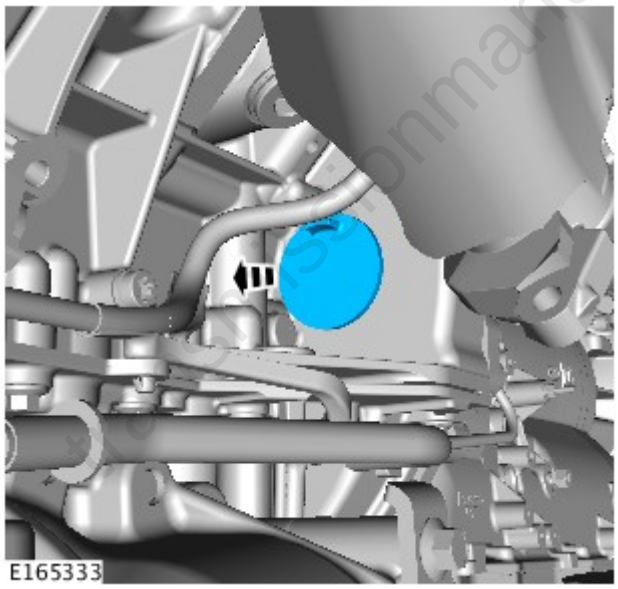


20.



21. Remove the front left wheel arch liner.
Refer to: Fender Splash Shield (501-02, Removal and Installation).

22.

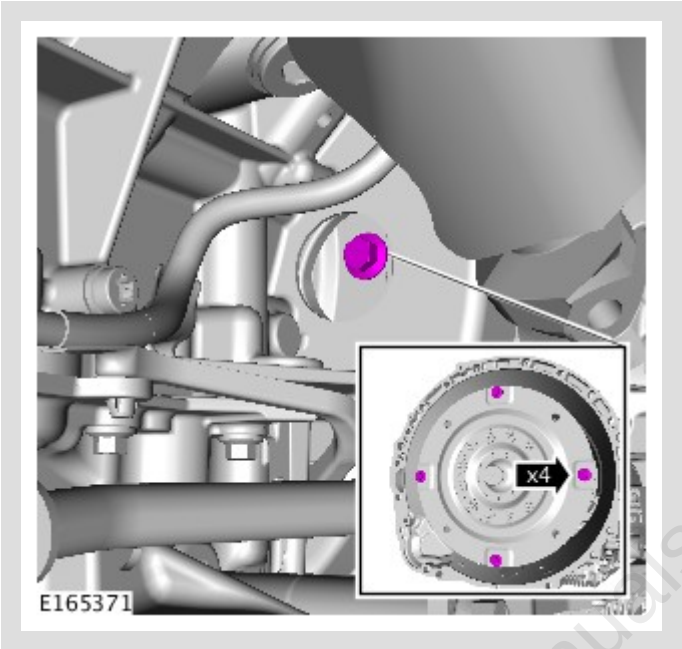


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23.

CAUTION:

Only rotate the crankshaft clockwise.



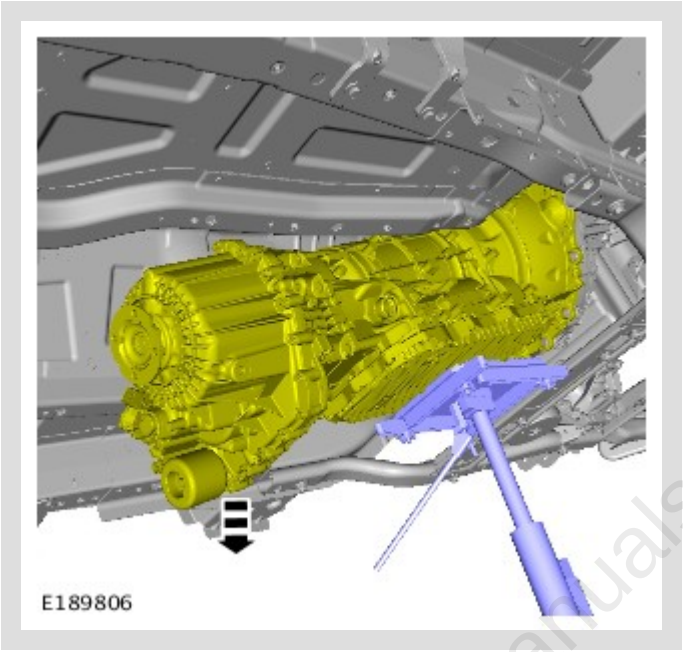
Discard the bolts.

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24.

WARNING:

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



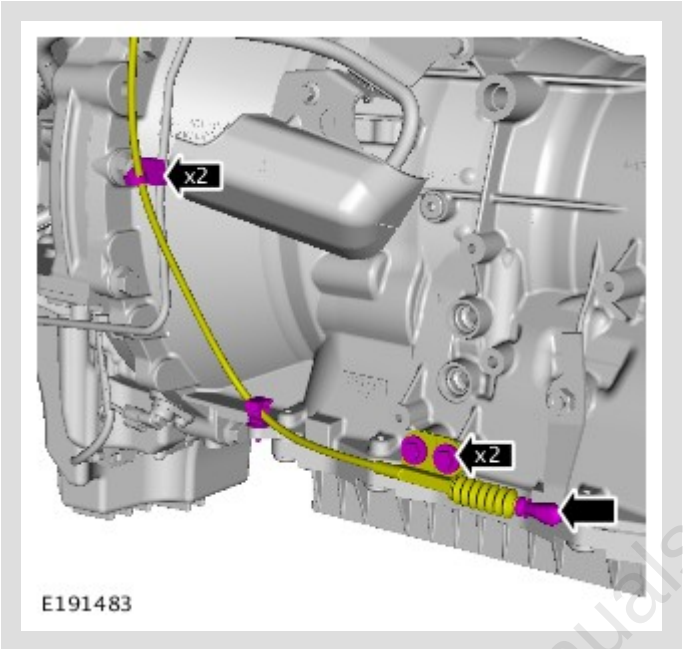
Lower the rear of the transmission for access.

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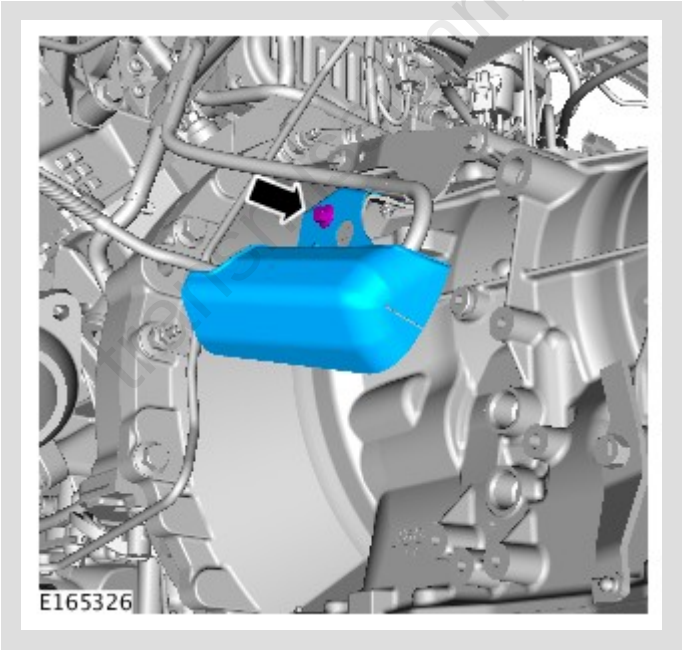
25.

NOTE:

Secure with cable ties.



26.

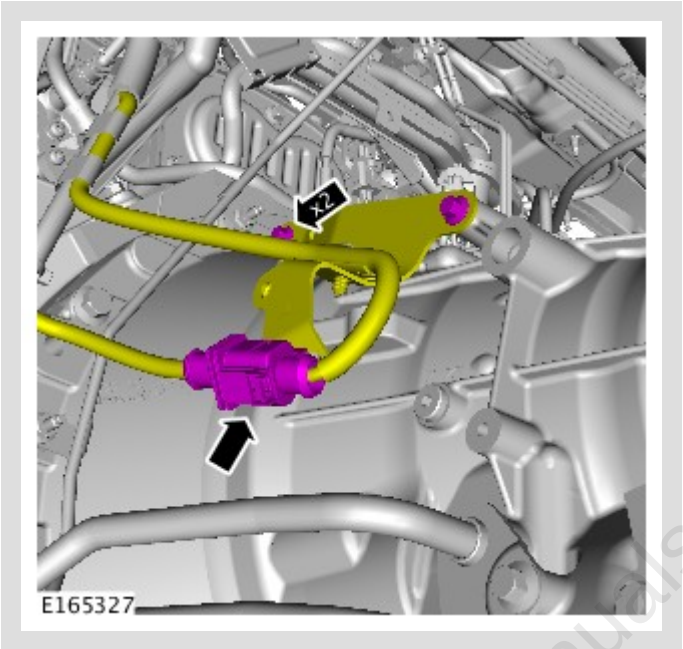


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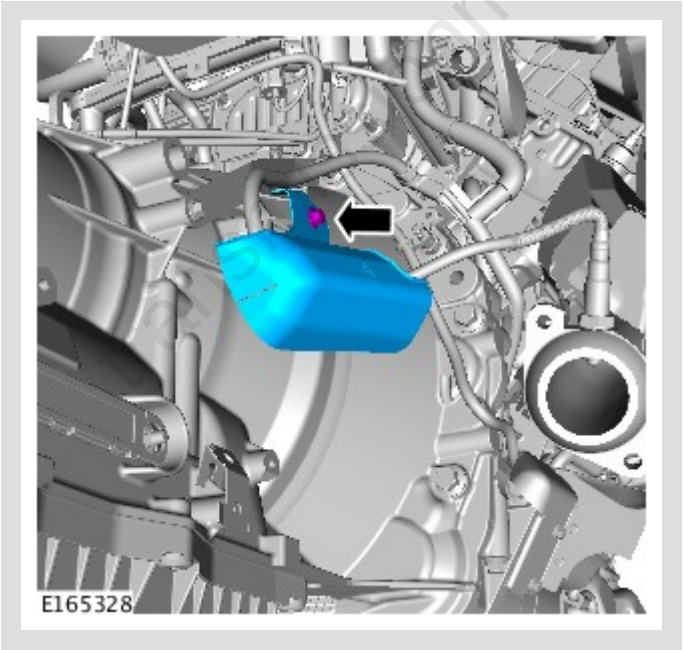
27.

NOTE:

Secure with cable ties.



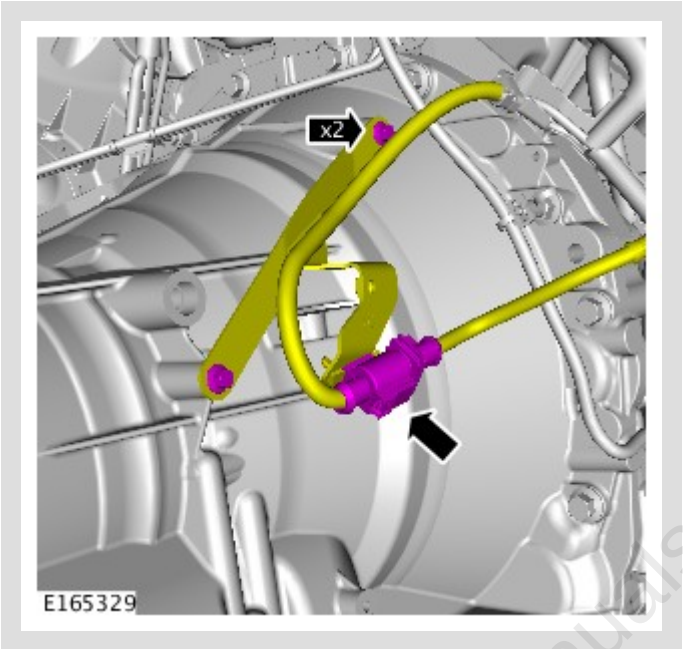
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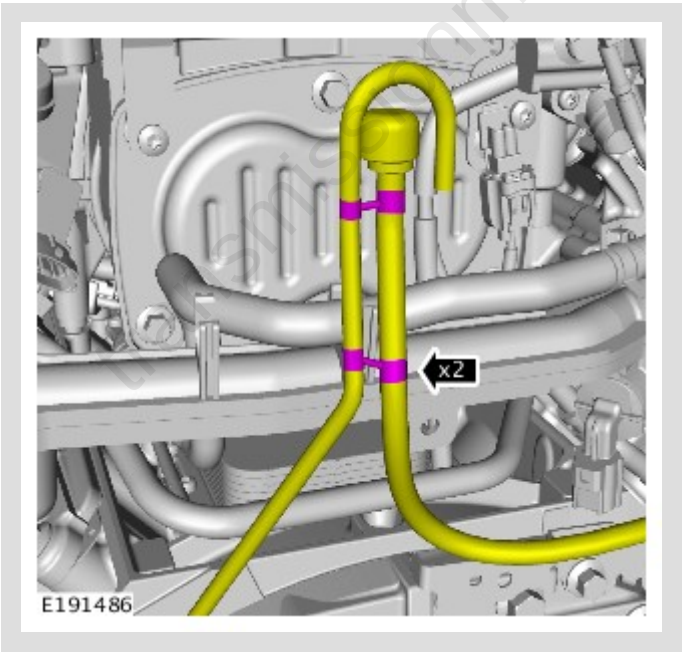
29.

NOTE:

Secure with cable ties.



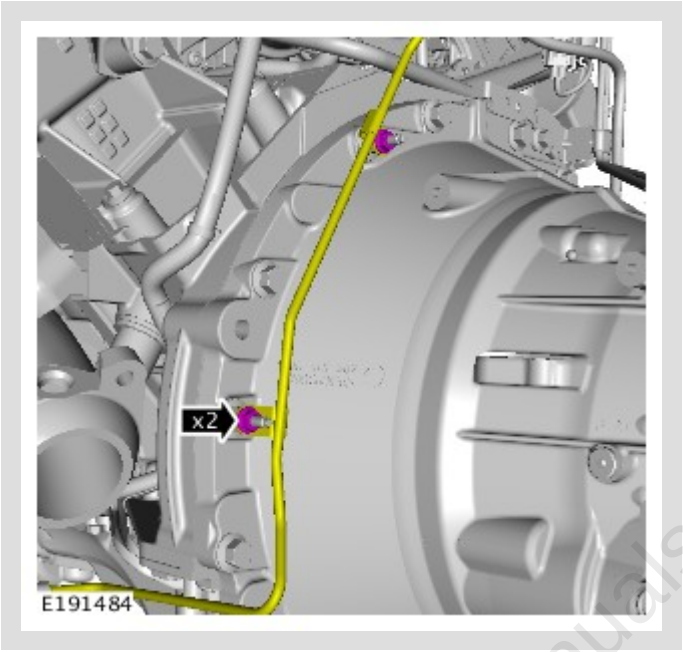
30.



31.

NOTE:

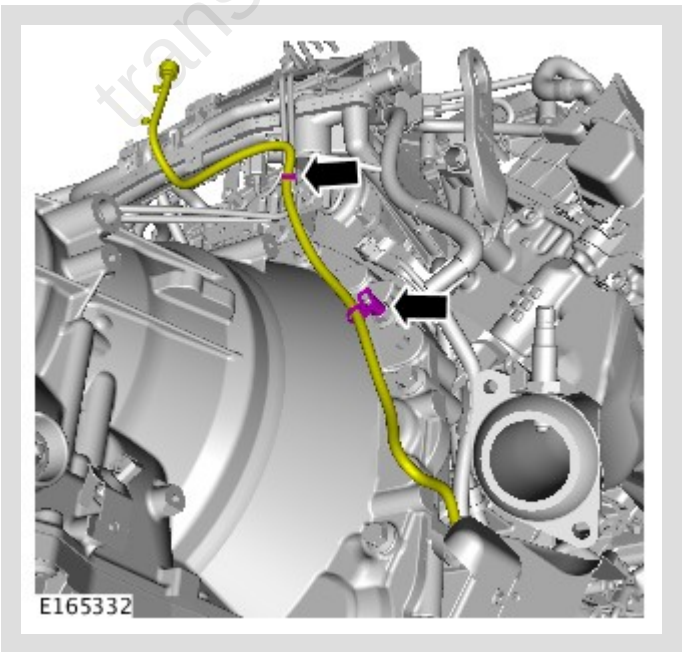
Secure with cable ties.



32.

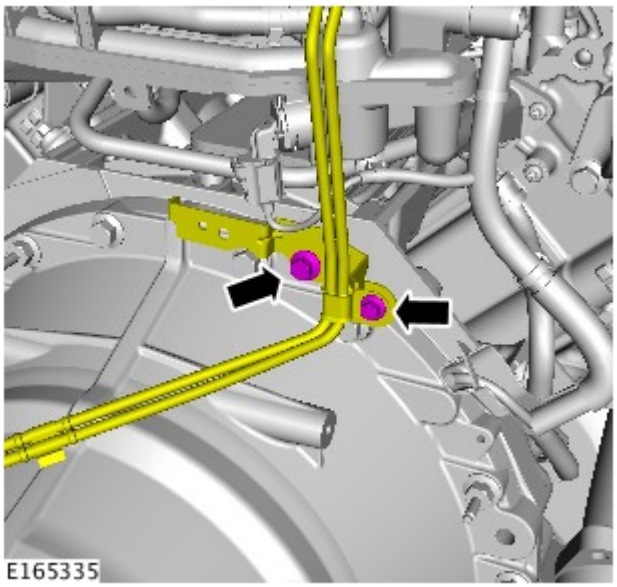
NOTE:

Secure with cable ties.



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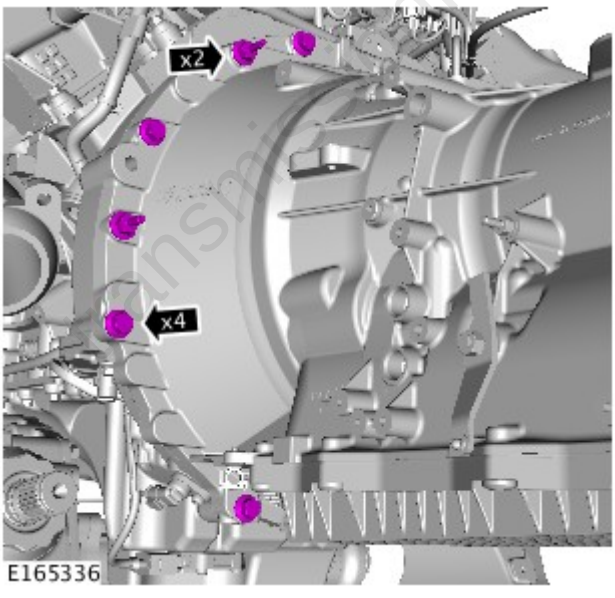
33.



34.

NOTE:

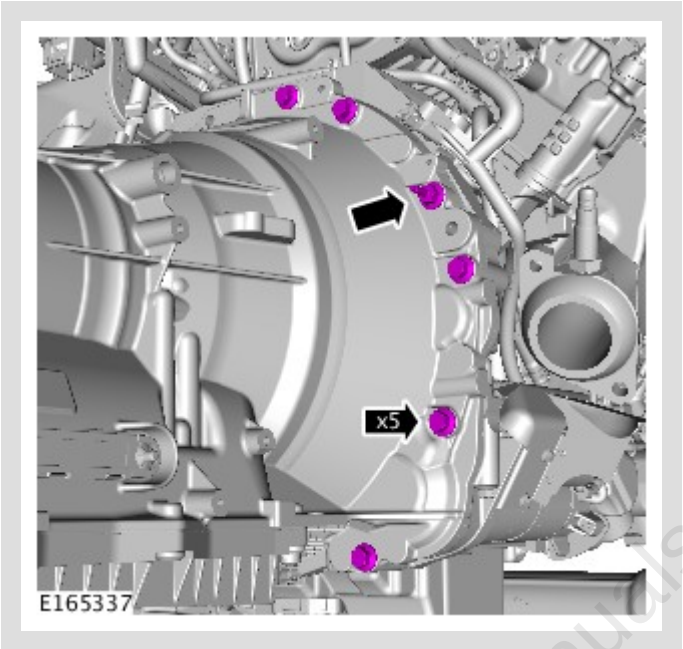
Note the fitted position of the bolts prior to removal.



35.

NOTE:

Note the fitted position of the bolts prior to removal.



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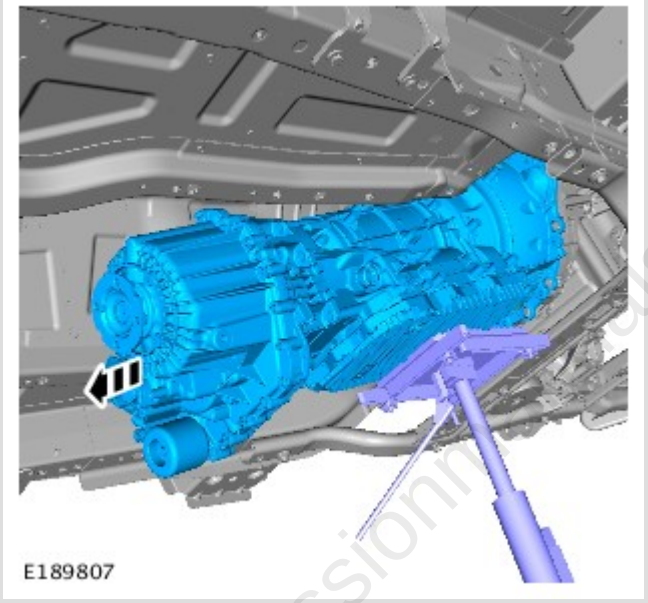
36.

WARNING:

This step requires the aid of another technician.

CAUTION:

Make sure that the torque converter remains in the transmission.



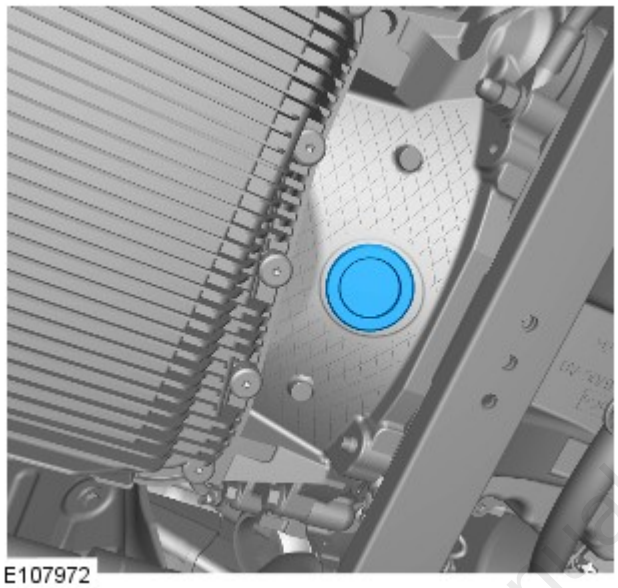
Secure the torque converter with a suitable retaining method.

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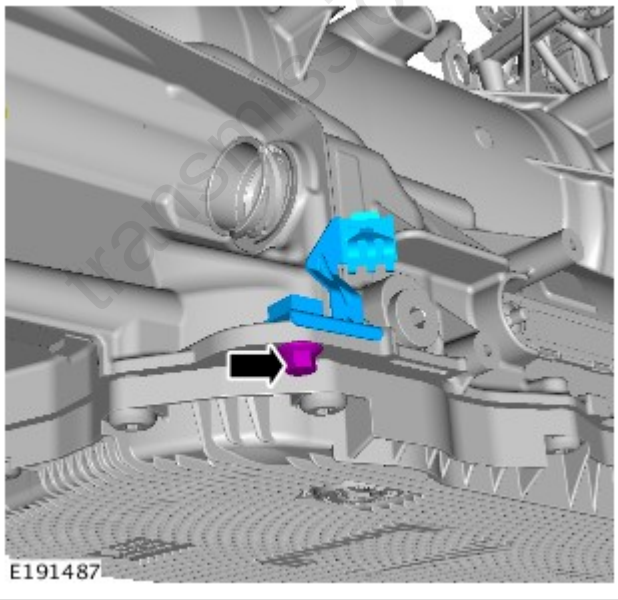
37.

NOTE:

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

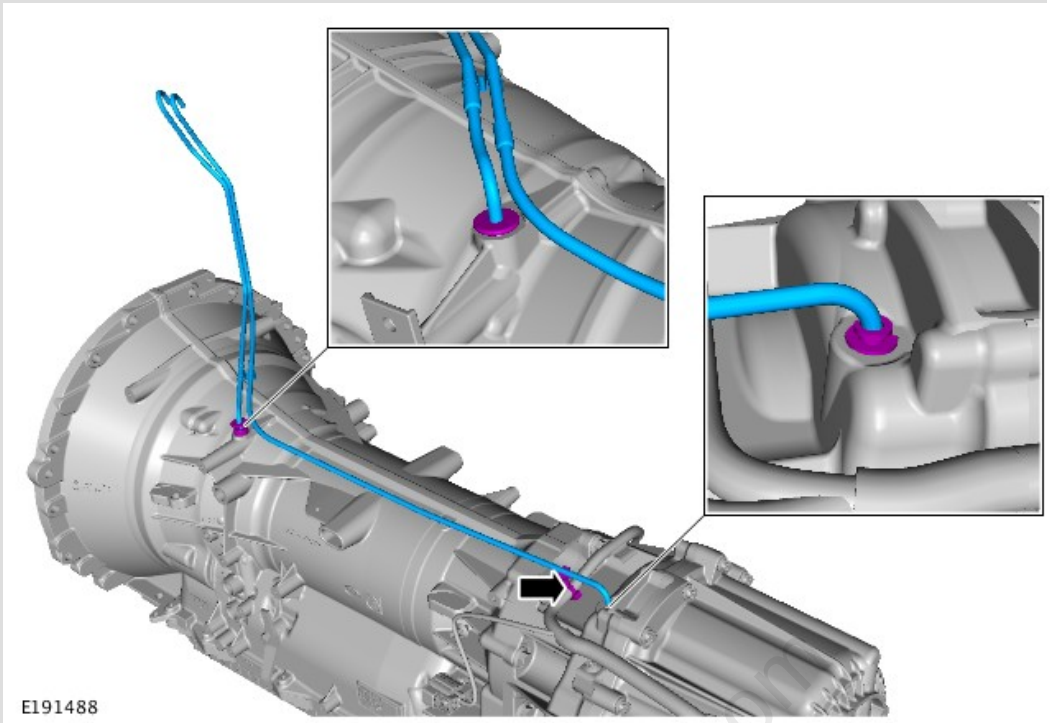


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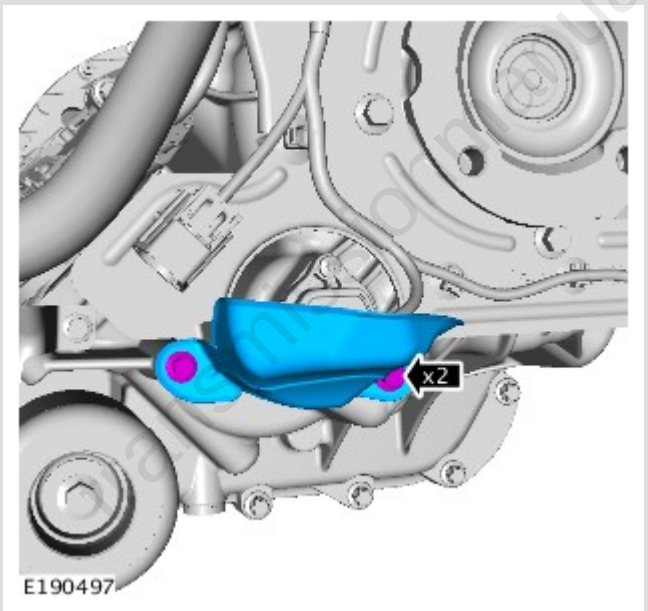


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39.

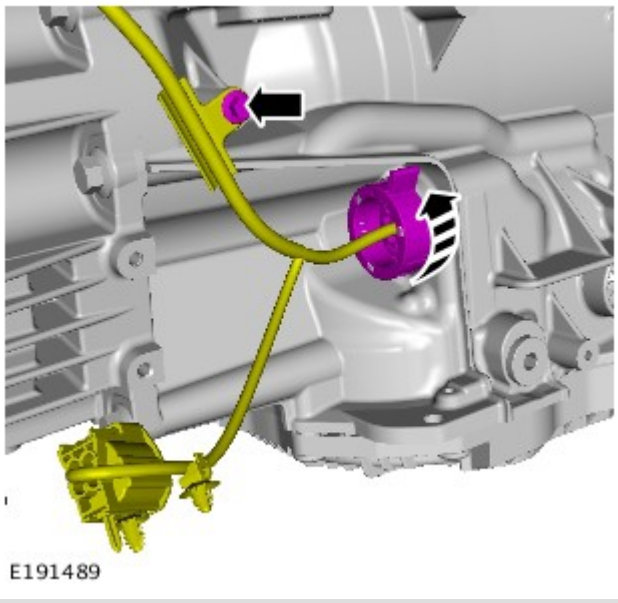


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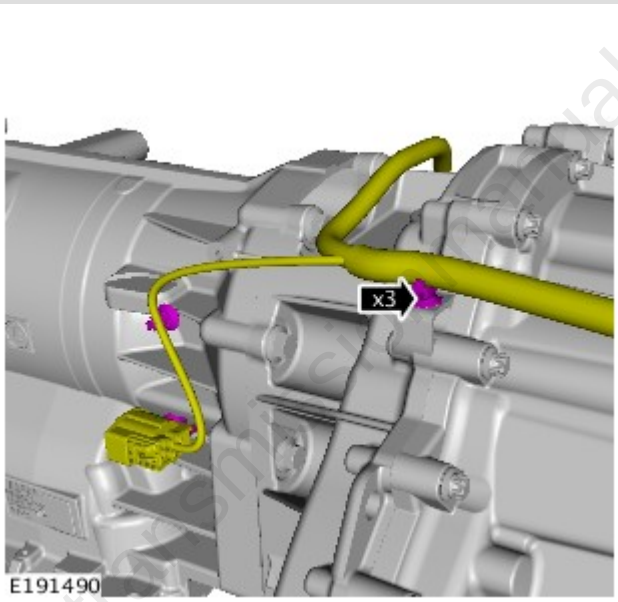


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41.



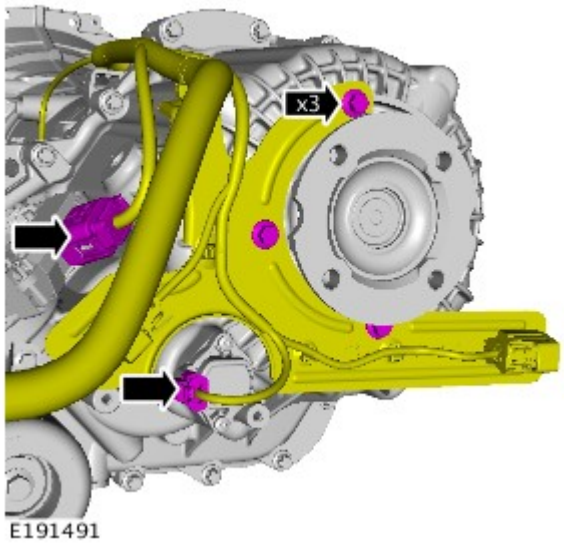
42.



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	Vehicles with twin speed transfer case

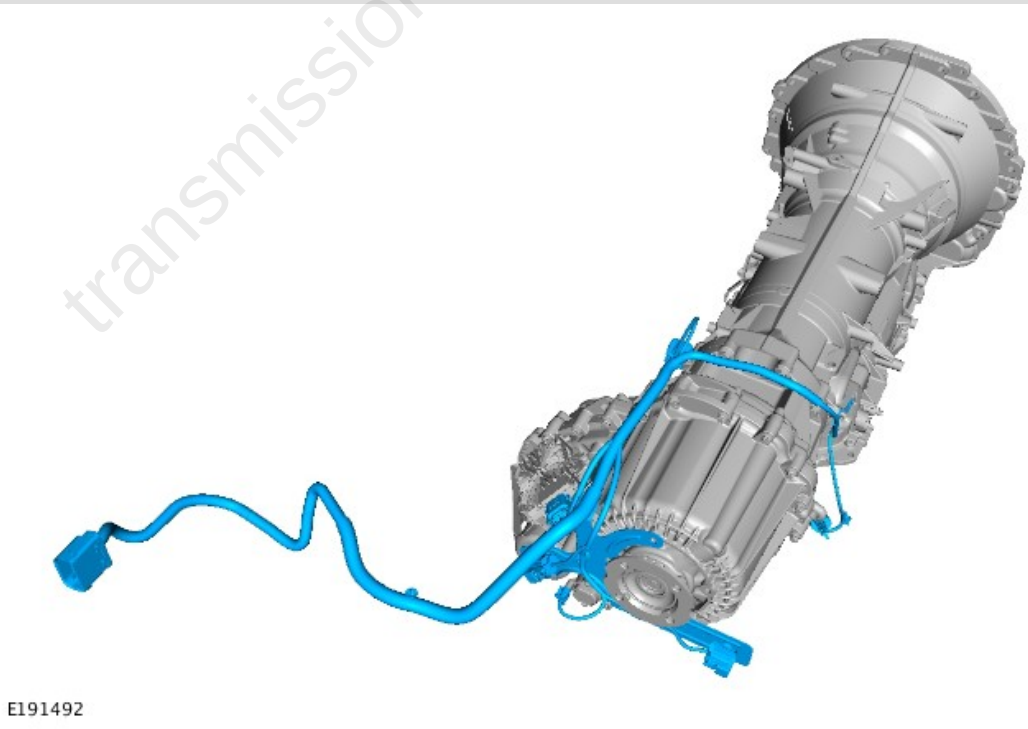
1.



2.

NOTE:

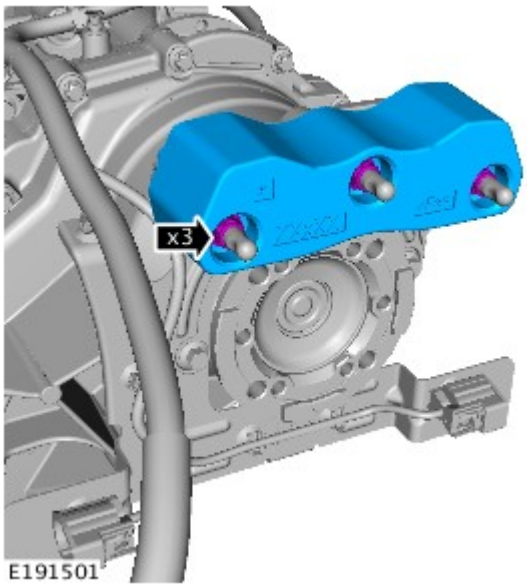
Note the routing of the transmission wiring harness.



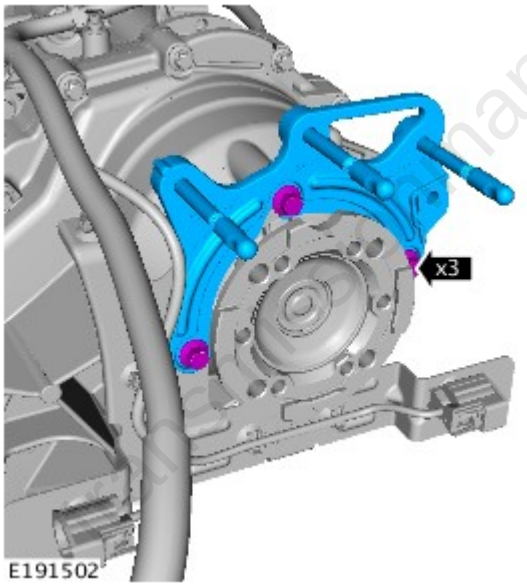
Vehicles with single speed transfer case

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1.

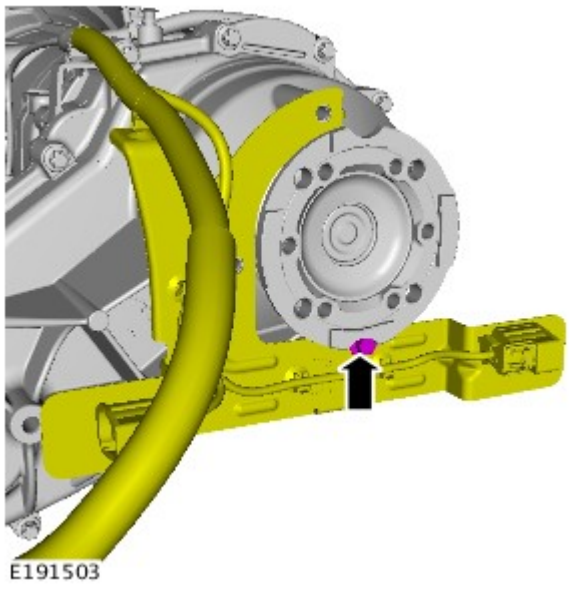


2.



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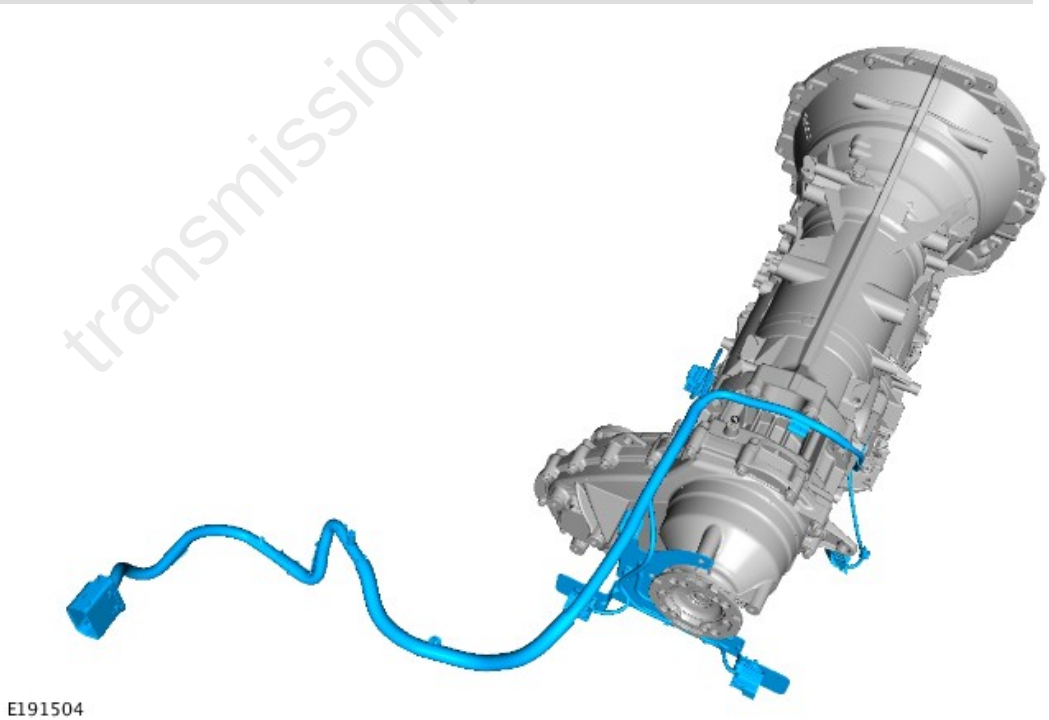
3.



4.

NOTE:

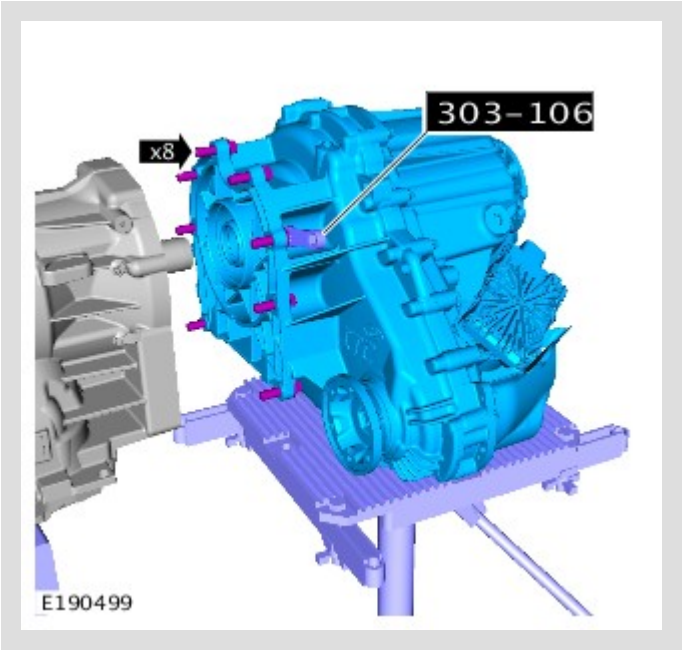
Note the routing of the transmission wiring harness.



All vehicles

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1.

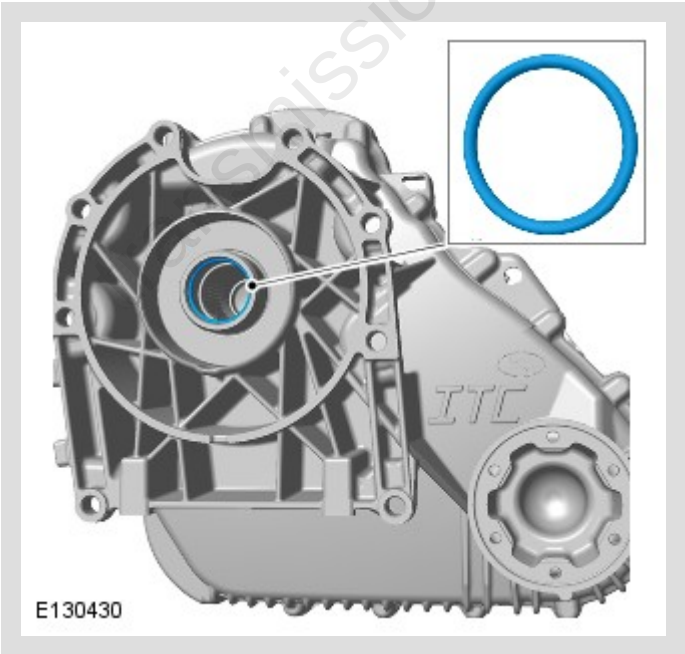


Special Tool(s): 303-1069

2.

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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