

LTB01255NAS2



# TECHNICAL BULLETIN

04 SEP 2020

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NOTE: The information in Technical Bulletins is intended for use by trained, professional Technicians with the knowledge, tools, and equipment required to do the job properly and safely. It informs these Technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by 'do-it-yourselfers'. If you are not a Retailer, do not assume that a condition described affects your vehicle. Contact an authorized Land Rover service facility to determine whether this bulletin applies to a specific vehicle.

## INFORMATION

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**This reissue replaces all previous versions. Please destroy all previous versions.**

This bulletin supersedes TSB LTB01255NAS1/2018 dated 15 NOV 2018, which should either be destroyed or clearly marked to show it is no longer valid (e.g. with a line across the page). Only refer to the electronic version of this Technical Bulletin in TOPIx.

Changes are highlighted in blue

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## SECTION:

307-00

## SUBJECT/CONCERN:

Oil Leak From Transmission Case

## AFFECTED VEHICLE RANGE:

MODEL:	MODEL YEAR:	VIN:	APPLICABILITY:
Discovery (LR)	2017-2018	000003-079194	V6 S/C 3.0L Petrol , Vehicles With: 8HP45 8-Speed Automatic Transmission AWD
Range Rover Sport (LW)	2017-2018	124034-813922	V6 S/C 3.0L Petrol , Vehicles With: 8HP45 8-Speed Automatic Transmission AWD
Range Rover (LG)	2017-2018	320324-516165	V6 S/C 3.0L Petrol , Vehicles With: 8HP45 8-Speed Automatic Transmission AWD, Vehicles With: Twin Speed Transfer Case

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## MARKETS:

### NORTH AMERICA

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## CONDITION SUMMARY:

### SITUATION:

An oil leak from the automatic transmission case may be evident.

### CAUSE:

Internal porosity in the automatic transmission, allowing oil to leak between the automatic transmission and the transfer case.

### ACTION:

Follow the instructions below.

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## PARTS:

PART NUMBER	DESCRIPTION	QUANTITY
LR123853	Automatic transmission insert	1
TYG500130	Bolts - Driveshaft flange	4
LR092696	Bolts - Driveshaft flange	6
TYG500141	Bolts - Driveshaft flange	6
IYX500050	Seals - Transfer case	1
LR048842	Washers - Single speed transfer case	2

PART NUMBER	DESCRIPTION	QUANTITY
IYF500030	Washers - Twin speed transfer case	2
LR048849	Oil - Single speed transfer case	2
IYK500010	Oil - Twin speed transfer case	2
LR125418	Devcon putty	1
ZZZ001	Transmission oil	1

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## WARRANTY:

### NOTES:

- Repair procedures are under constant review, and therefore times are subject to change; those quoted here must be taken as guidance only. Use TOPIx to obtain the latest repair time.
- The JLR claims submission system requires the use of causal part numbers. Labor only claims must show the causal part number with a quantity of zero.

DESCRIPTION	SRO	TIME (HOURS)	CONDITION CODE	CAUSAL PART
Automatic transmission insert - With Single speed transfer case - Install - Discovery	44.20.89.01	9.4	D1	LR082674
Automatic transmission insert - With Twin speed transfer case - Install - Discovery	44.20.89.01	9.3	D1	LR082674
Automatic transmission insert - Install - Range Rover Sport	44.20.89.01	9.0	D1	LR082674
Automatic transmission insert - Install - Range Rover	44.20.89.01	9.0	D1	LR082674

### NOTE:

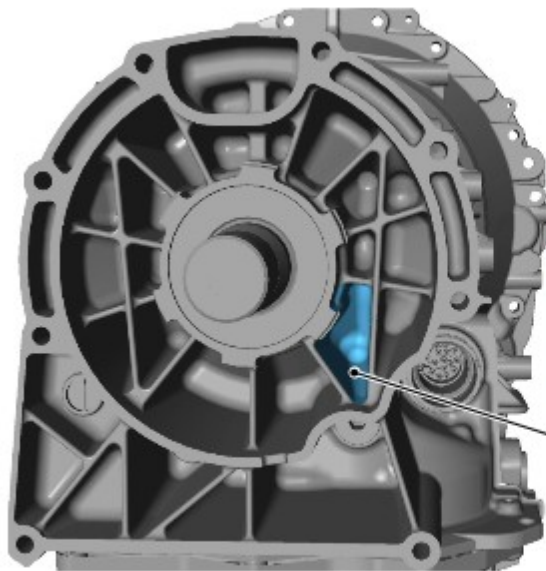
Normal Warranty procedures apply.

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## SERVICE INFORMATION:

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1.



E268408

This technical bulletin only applies to vehicles installed with the 8HP45 8-speed All Wheel Drive (AWD) automatic transmission, with oil diagnosed to be leaking from the cavity highlighted in the illustration.

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2.



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This demonstration video shows how to repair the automatic transmission using the correct repair method. You **MUST** watch the video and understand how to perform the correct repair method before continuing to the 'Service Instruction' section.

#### SERVICE INSTRUCTION:

##### **WARNING:**

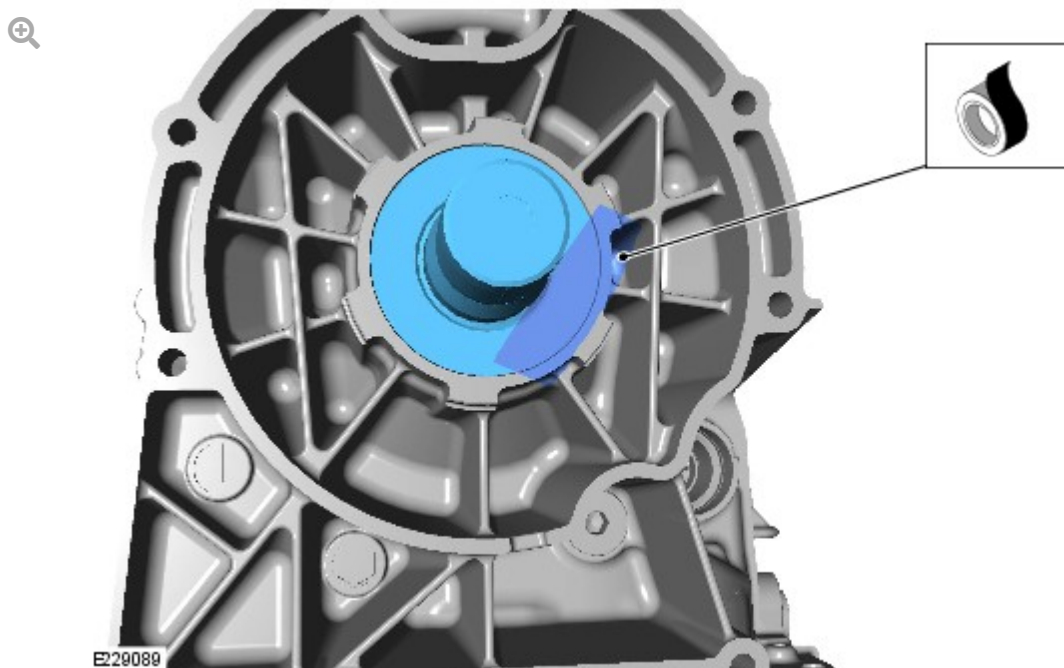
Safety goggles and protective gloves and mask must be worn when using Devcon putty.

1. Remove the transfer case (see TOPlx Workshop Manual section 307-07: Manual Transmission/Transaxle, Clutch and Transfer Case - Removal - Transfer Case).

2.

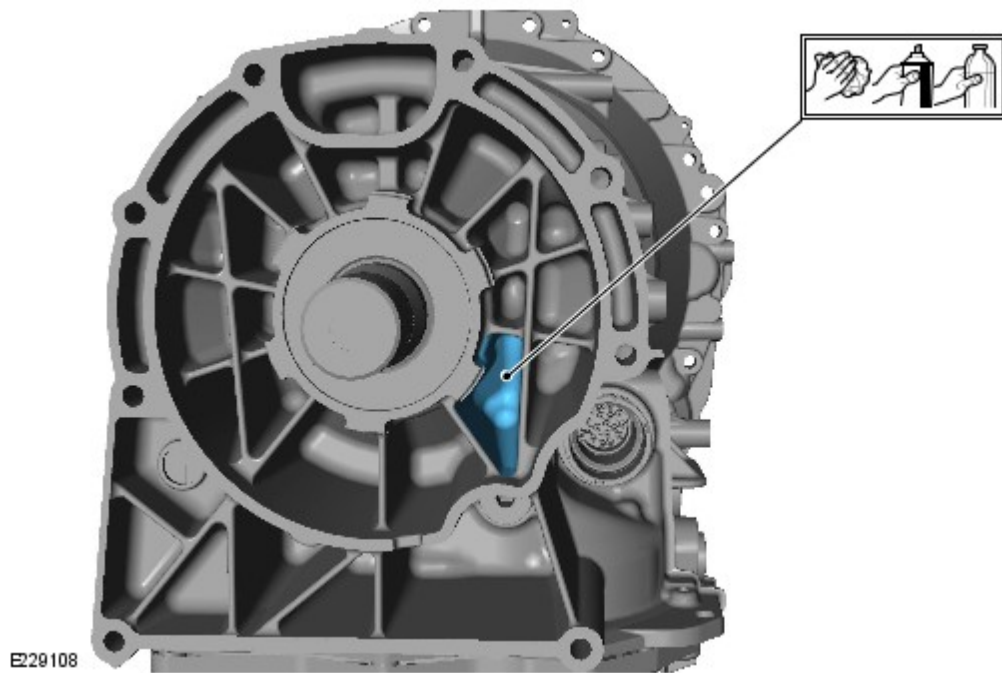
##### **NOTE:**

Make sure the Devcon putty does not come into contact with the transmission output shaft.



Apply suitable protective tape to the highlighted area of the transmission.

3.



Use a suitable solvent-based cleaning fluid to thoroughly clean the highlighted area of the transmission.

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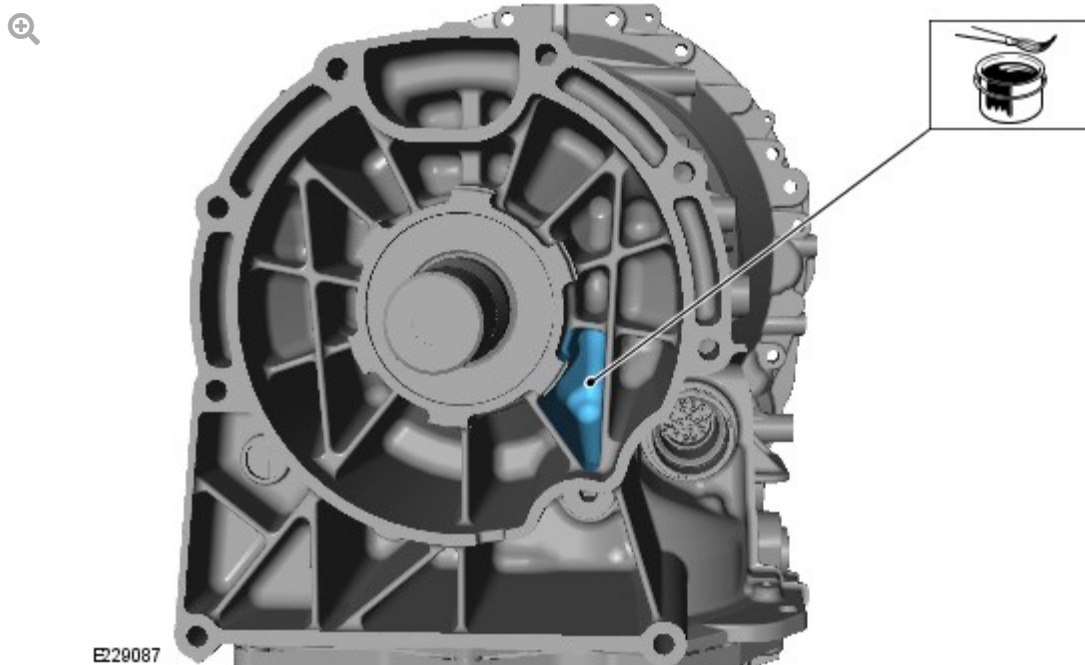
4.

**CAUTION:**

The highlighted area of the transmission must be free of all oil and contamination before proceeding.

**NOTES:**

- Devcon putty mix ratio: 4 parts resin / 1 part hardener. Refer to the manufacturer's instructions for more information.
- Make sure that the highlighted area of the transmission is fully covered by a layer of Devcon putty.



Apply an even layer of Devcon putty to the highlighted area of the transmission.



5.

**CAUTION:**

The transmission insert must be installed to at least 9 mm below the outer edge of the transmission housing.



Use a suitable tool to push the transmission insert into the area shown.

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6.

**CAUTION:**

Make sure that all machined faces are free of any contamination, Devcon, etc.



Apply an even layer of Devcon putty to the transmission insert until it is completely filled and covered.

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7. Allow the Devcon putty to completely cure:

- ■ The transfer case must be left for at least 8 hours before installation.
  - ■ The ambient air temperature must remain above 75°F (24°C) for the initial 45 minutes.
  - ■ The ambient air temperature must remain above 60°F (16°C) for the remaining 7 hours, 15 minutes.
  - ■ Refer to the manufacturer's instructions for more information.
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8.

**NOTE:**

Do not install the transmission undershield until the transmission oil level is checked in step 9.

Install the transfer case (see TOPIx Workshop Manual section 308-07: Manual Transmission/Transaxle, Clutch and Transfer Case - Installation - Transfer Case).

9.

Check the transmission fluid level (see TOPIx Workshop Manual section 307-01B: Automatic Transmission/Transaxle - Vehicles with: 8HP45 8-Speed Automatic Transmission - General Procedures - Transmission Fluid Level Check).