JTB00579NAS1

TECHNICAL BULLETIN

24 AUG 2017

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 Jaguar service facility to determine whether this bulletin applies to a specific vehicle.

INFORMATION

SECTION:

307-01 / 01A: Automatic Transmission/Transaxle

SUBJECT/CONCERN:

Transmission Electrical Wiring Harness Chafing on Rear Driveshaft

AFFECTED VEHICLE RANGE:

MODEL:	MODEL YEAR:	VIN:	ASSEMBLY PLANT:	APPLICABILITY:

MODEL:	MODEL YEAR:	VIN:	ASSEMBLY PLANT:	APPLICABILITY:
F-PACE (X761)	2017	045068-099996	Solihull	V6 S/C 3.0L Petrol , Vehicles With: 8HP70 8-Speed Automatic Transmission AWD
F-PACE (X761)	2017	488002-499998	Solihull	V6 S/C 3.0L Petrol , Vehicles With: 8HP70 8-Speed Automatic Transmission AWD
F-PACE (X761)	2017-2018	880002-899997	Solihull	V6 S/C 3.0L Petrol , Vehicles With: 8HP70 8-Speed Automatic Transmission AWD
F-PACE (X761)	2018	240000-257386	Solihull	V6 S/C 3.0L Petrol , Vehicles With: 8HP70 8-Speed Automatic Transmission AWD
XE (X760)	2017	921222-979442	Solihull	V6 S/C 3.0L Petrol , Vehicles With: 8HP70 8-Speed Automatic Transmission AWD
XE (X760)	2017 Onwards	P16868 Onwards	Castle Bromwich	V6 S/C 3.0L Petrol , Vehicles With: 8HP70 8-Speed Automatic Transmission AWD
XF (X260)	2016 Onwards	Y00461 Onwards	Castle Bromwich	V6 S/C 3.0L Petrol , Vehicles With: 8HP70 8-Speed Automatic Transmission AWD

MARKETS:

NORTH AMERICA

CONDITION SUMMARY:

SITUATION:

One or more of the following may be evident:

- '2 Wheel Drive Only Traction Reduced' message is displayed on the Instrument Cluster.
- The Malfunction Indicator Lamp (MIL) is illuminated on the Instrument Cluster.

During diagnosis, the technician may find Diagnostic Trouble Code (DTC) U0001-87 stored in the Transmission Control Module (TCM).

CAUSE:

This may be caused by a missing cable tie on the transmission electrical wiring harness on All Wheel Drive (AWD) vehicles.

ACTION:

Should a customer express this concern, follow the Service Instruction and appropriate Diagnostic Procedure ('A' or 'B') below.

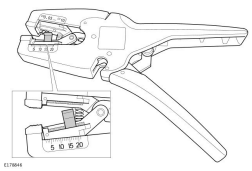
PARTS:

NOTE:

***** - an allowance ($10.00 USD [or local equivalent]) has been provided to cover the cost of the splice connectors, heatshrink, and cable tie. Claim using Sundry Code ‘ZZZ001’.

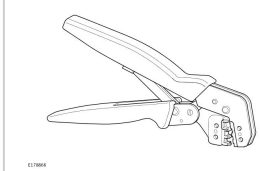
PART NUMBER	DESCRIPTION	QUANTITY:
C2D2087	Bolt	12
JDE6984	Locator	6
XR82889	Nut	4
XR836503	Stud	4
ZZZ001	Splice connectors, heatshrink, cable tie	$10.00 USD

TOOLS:



418-672

Insulation (Wire) Stripper



418-116A

Wire crimper

Jaguar Land Rover-approved Midtronics battery power supply

Jaguar Land Rover-approved diagnostic tool with latest SDD software, Calibration File

Jaguar Land Rover-approved diagnostic tool with latest PATHFINDER software

WARRANTY:

NOTES:

- Repair procedures are under constant review, and therefore times are subject to change; those quoted here must be taken as guidance only. Always refer to 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
Transmission wiring harness - Repair - F-PACE (X761), XF (X260)	44.91.49	2.1	B4	AJ813905
Transmission wiring harness - Repair - XE (X760)	44.91.49	2.2	B4	AJ813905
Read and clear fault codes	86.99.78	0.2	B4	AJ813905

NOTE:

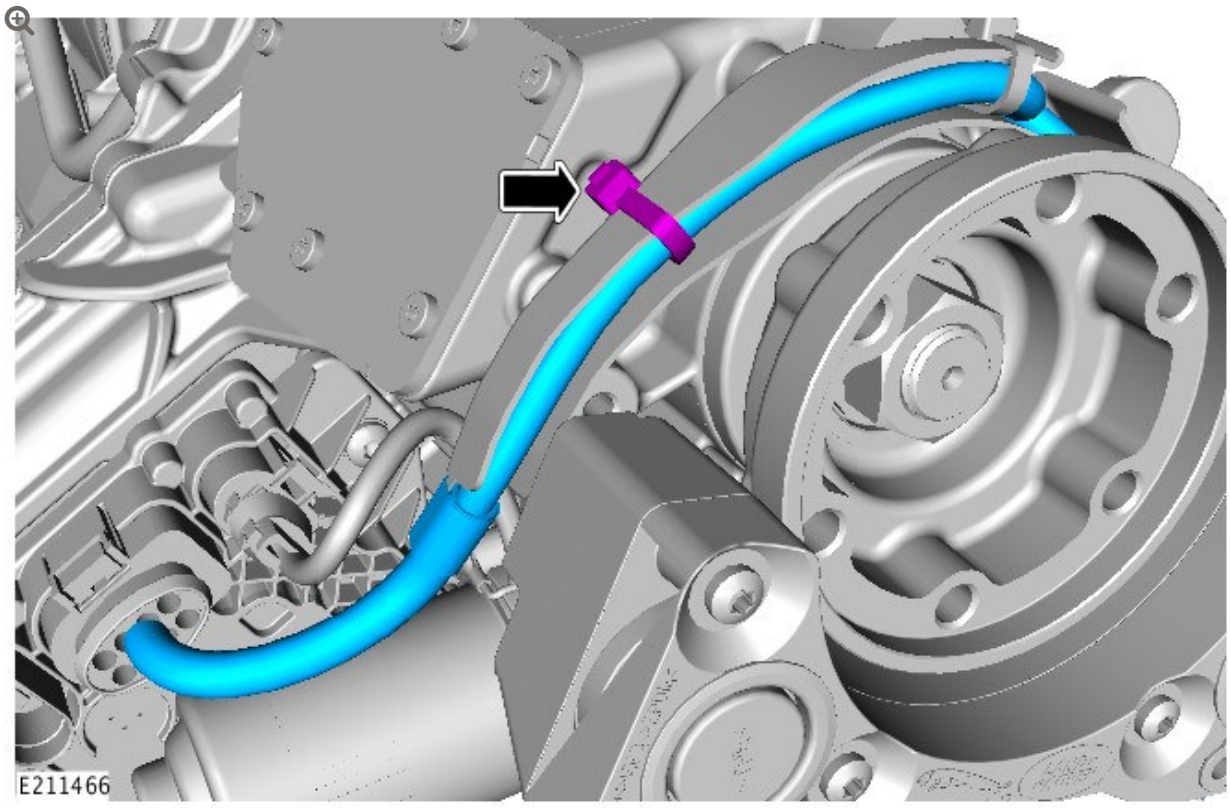
Normal Warranty procedures apply.

SERVICE INFORMATION:

1

Example of the possible damage to the transmission electrical wiring harness.

2



Cable tie that is missing on the transmission electrical wiring harness.

SERVICE INSTRUCTION:

NOTES:

- This procedure contains illustrations showing certain components removed to provide extra clarity.
- This procedure may contain some variation in the illustrations depending on the vehicle specification, but the essential information is always correct.
- Removal steps in this procedure may contain installation details.

1 Inspect the transmission electrical wiring harness for damage:

-

If the transmission electrical wiring harness is not damaged, **continue with the diagnosis of the customer concern.**

- If the transmission electrical wiring harness is damaged, **go to Step 2.**

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2 Disconnect the startup battery ground cable (see TOPIx Workshop Manual section 414-01: Battery, Mounting and Cables, General Procedures - Battery Disconnect and Connect).

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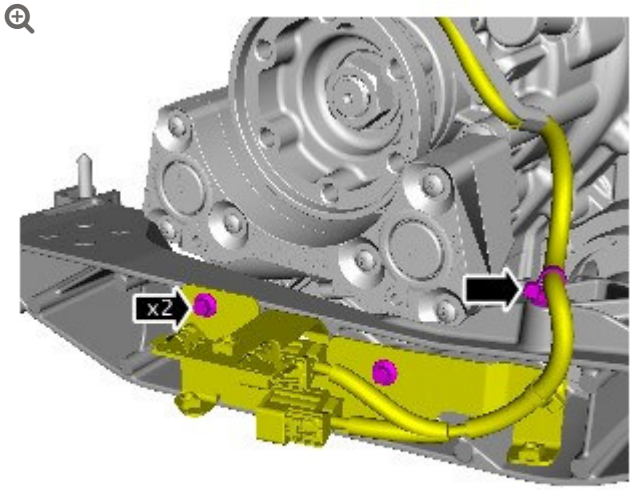
3 Remove the rear driveshaft (see TOPIx Workshop Manual section 205-01: Driveshaft - Removal and installation - Driveshaft - V6 S/C 3.0 Petrol).

4

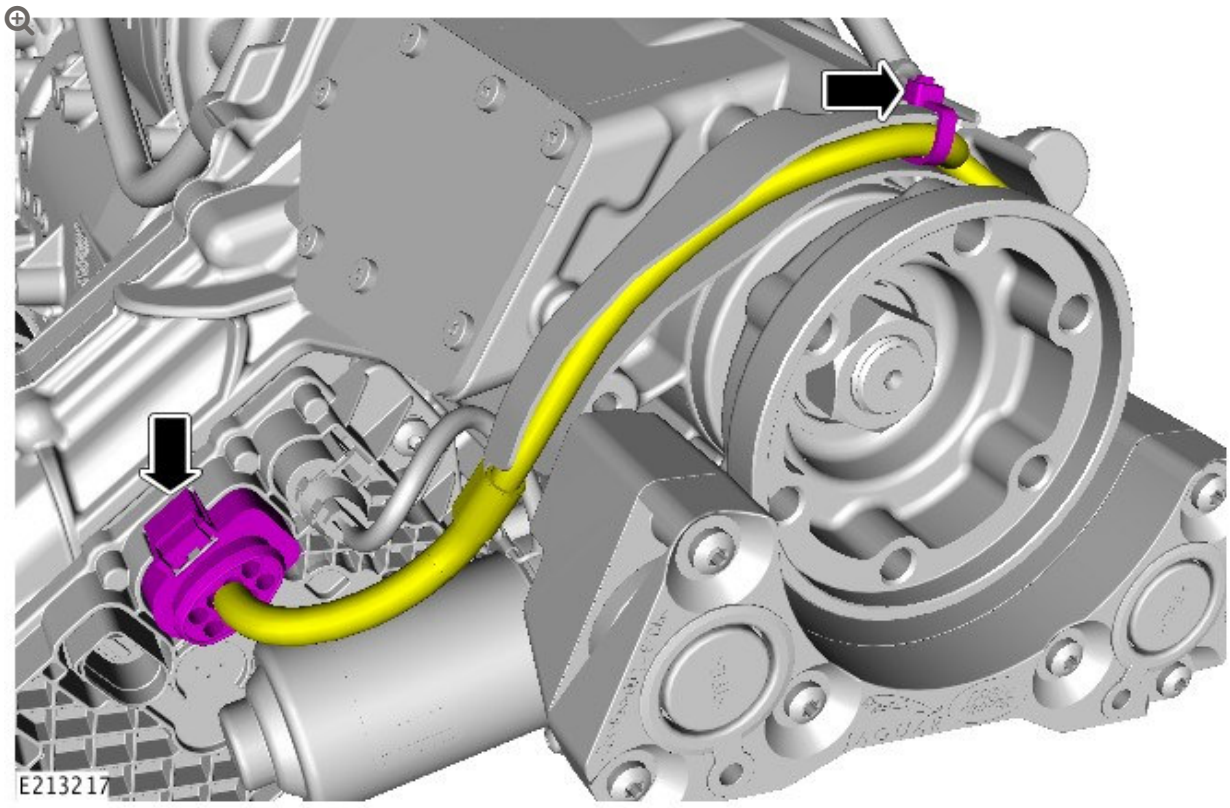


E181795

Release and reposition the transmission electrical wiring harness bracket.

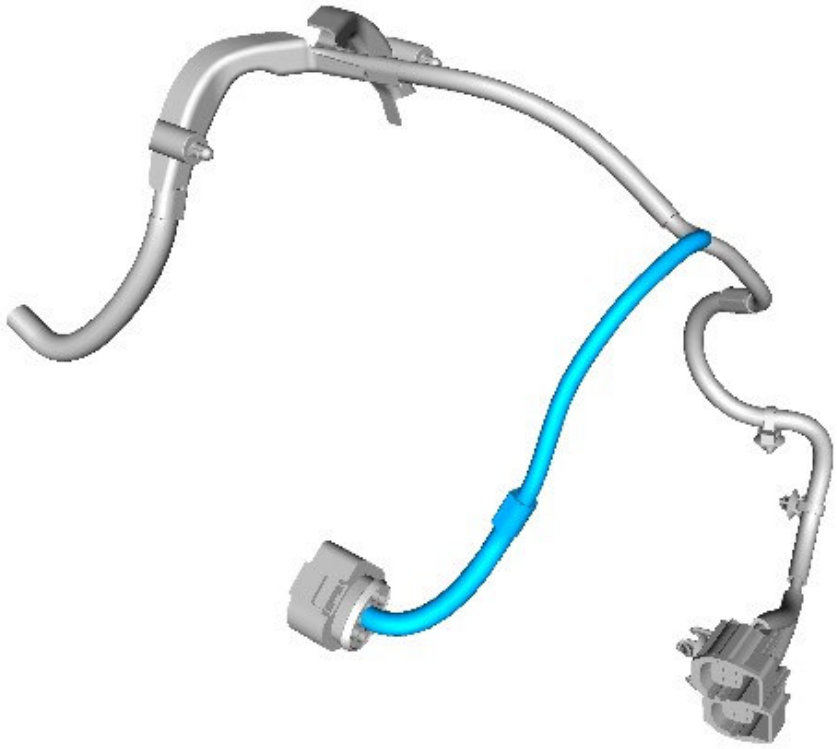
- Torque: **10 Nm**.

5



Disconnect and reposition the transmission electrical wiring harness.

6



E211467

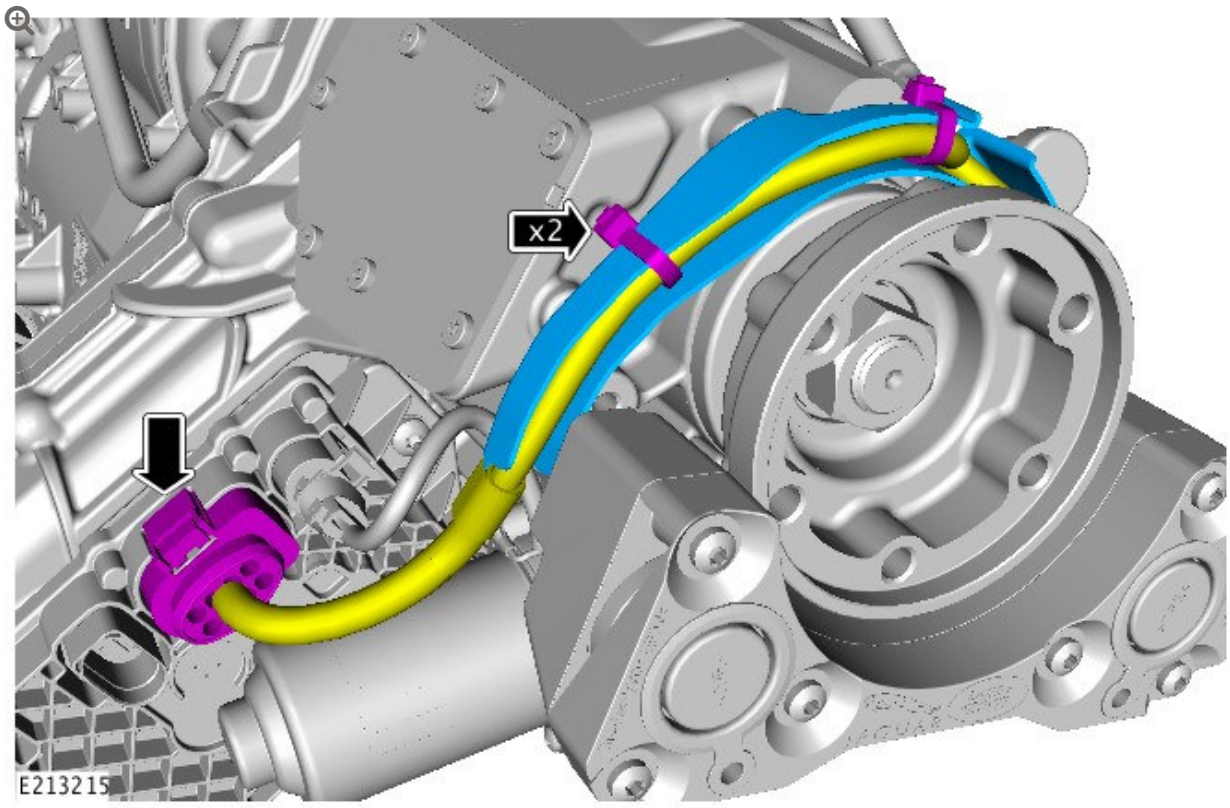
Inspect the transmission electrical wiring harness for damage

1. If the transmission electrical wiring harness is not damaged, go to the next Step.
2. If the transmission electrical wiring harness is damaged, repair as required (see TOPIx Workshop Manual section 418-02: Wiring harnesses - General procedures - Wiring harness repair).

7

NOTE:

An additional cable tie must be fitted to the transmission electrical wiring harness.



Install the transmission electrical wiring harness.

8 To install, reverse the removal procedure.

9 Go the appropriate Diagnostic Procedure ('A' or 'B') below.

DIAGNOSTIC PROCEDURE 'A': SDD

This Diagnostic Procedure is only for vehicles requiring the Jaguar Land Rover-approved diagnostic tool with Symptom Driven Diagnostics (SDD).

CAUTIONS:

- A Jaguar Land Rover-approved Midtronics battery power supply must be connected to the vehicle battery during diagnosis / module programming.

- All ignition ON/OFF requests must be carried out. Failure to perform these steps may cause damage to control modules in the vehicle.

1. Connect the Jaguar Land Rover-approved Midtronics battery power supply to the vehicle battery.

2. Switch the ignition ON (engine not running).

3. **NOTE:**

   The Jaguar Land Rover-approved diagnostic tool must be loaded with DVD150.04 Calibration File 274 (or later).

   Connect the Jaguar Land Rover-approved diagnostic tool to the vehicle and begin a new session.

4. Follow the on-screen prompts, allowing the diagnostic tool to read the VIN, identify the vehicle, and initiating the data collect sequence.

5. Read and clear all Diagnostic Trouble Codes (DTC).
   1. Follow all on-screen instructions until the application completes successfully.
   2. When all tasks are complete, go to the next Step.

6. Exit the current session.
   1. Select the **Session** tab.
   2. Select the **Close Session** option.

7. Disconnect the diagnostic tool and battery power supply from the vehicle.

DIAGNOSTIC PROCEDURE 'B': PATHFINDER

This Diagnostic Procedure is only for vehicles requiring the Jaguar Land Rover-approved diagnostic tool with PATHFINDER.

CAUTIONS:

- A Jaguar Land Rover-approved Midtronics battery power supply must be connected to the vehicle battery during diagnosis / module programming.
- All ignition ON/OFF requests must be carried out. Failure to perform these steps may cause damage to control modules in the vehicle.

1 Connect the Jaguar Land Rover-approved Midtronics battery power supply to the vehicle battery.

2

NOTE:

The Jaguar Land Rover-approved diagnostic tool must be loaded with PATHFINDER version 95 (or later).

Connect the Jaguar Land Rover-approved diagnostic tool to the vehicle and begin a new session.

3

NOTE:

The Jaguar Land Rover-approved diagnostic tool will read the correct Vehicle Identification Number (VIN) for the current vehicle and automatically take the vehicle out of Transit mode if required.

Follow the on-screen prompts.

4 Select **ECU Diagnostics**.

5 Select **All DTCs**.

6 Select **Clear all DTCs**.

1. Follow all on-screen instructions until the application completes successfully.
2. When all tasks are complete, go to the next Step.

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7 Exit the current session.

1. Select the **Exit** icon.

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8 Disconnect the diagnostic tool and battery power supply from the vehicle.