

N167 UPS1718-1BNAS1

TECHNICAL BULLETIN

02 MAY 2018



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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

SECTION:

412-01: Climate Control

SUBJECT/CONCERN:

Update Prior to Sale: HVAC Control Module Update

AFFECTED VEHICLE RANGE:

MODEL:	MODEL YEAR:	VIN:	ASSEMBLY PLANT:
Discovery Sport (LC)	2016-2018	575040-722540	Halewood
Range Rover Evoque (LV)	2016-2018	085166-268435	Halewood
Range Rover Sport (LW)	2016	559969-568051	Solihull

MODEL:	MODEL YEAR:	VIN:	ASSEMBLY PLANT:
Range Rover Sport (LW)	2016-2018	662188-690836	Solihull
Range Rover Sport (LW)	2016-2018	107456-165975	Solihull
Range Rover (LG)	2016-2018	244771-366006	Solihull

MARKETS:

NORTH AMERICA

CONDITION SUMMARY:

SITUATION:

A potential issue has been identified on a limited number of vehicles within the listed Affected Vehicle Range where the direct pressure sensing valve within the Air Conditioning (A/C) compressor becomes stuck and cannot respond to changing demands for A/C compressor displacement. The vehicle continues to operate; however, the function of the climate system is compromised by the failure mode. The customer may report a number of symptoms: cycling temperature within the passenger compartment, too cold, too hot, and/or odor ingress.

ACTION:

Retailers are required to **HOLD** affected new vehicles that are within your control and refrain from releasing the vehicles for **new vehicle sale** pending completion of the appropriate Diagnostic Procedure detailed in this Technical Bulletin. Unsold vehicles should have this performed as part of the Pre-Delivery Inspection (PDI) process but **must** have it completed prior to vehicle handover to the customer.

This program does not apply to any vehicle already registered and in use, either with the retailer or customer. Any vehicle already in use may continue to be driven and any repair instructions deemed necessary will be communicated through a separate Field Action or Technical Bulletin.

PARTS:

No parts required.

SPECIAL TOOLS:

Jaguar Land Rover-approved Midtronics Battery Power Supply

Jaguar Land Rover-approved diagnostic tool with latest PATHFINDER software **or**

Jaguar Land Rover-approved diagnostic tool with latest SDD Software Management Pack

WARRANTY:

NOTE:

Check DDW to make sure that a vehicle is affected by this program prior to undertaking any rework action.

At the time of confirming a booking for vehicle repair, make sure that **all** outstanding Recall and Service Actions are identified to ensure the correct parts are available and adequate workshop time is allocated for repairs to be completed at one visit.

Warranty claims must be submitted quoting the Program Code and the relevant Option Code; this will result in payment of the stated time. The SRO and parts information is included for information only. The Option Code(s) that allows for the drive in/drive out allowance may only be claimed if the vehicle is brought back into the workshop for this action alone to be undertaken.

Repair procedures are under constant review and therefore times / prices are subject to change; those quoted here must be taken as guidance only. Refer to TOPIx to obtain the latest repair time.

This program is valid for a limited time only. Warranty claims with a repair date prior to the **24 April 2019** closure date must be submitted or payment within 30 calendar days of completion of the repair.

NOTE:

The Heating Ventilation and Air Conditioning (HVAC) control module may also be referred to as Automatic Temperature Control (ATC) ECU.

PROGRAM CODE	OPTION CODE	DESCRIPTION	SRO	TIME (HOURS)	PARTS/SUNDRY CODE	QTY./VALUE
N167	B	Configuration - Automatic Temperature Control (ATC) ECU	80.90.12	0.2	-	-
N167	C	Configuration - Automatic Temperature Control (ATC) ECU Drive In/Drive Out	80.90.12 02.02.02	0.2 0.2	- -	- -

Normal Warranty policies and procedures apply.

DIAGNOSTIC PROCEDURE: SDD

This Diagnostic Procedure is for the following vehicles ONLY: 2016-17MY Discovery Sport; 2016-17MY Range Rover Evoque; 2016MY Range Rover Sport; 2016MY Range Rover.

CAUTIONS:

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

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

1 If required, remove the transit relay.

2

NOTE:

The Jaguar Land Rover-approved diagnostic tool must be loaded with SDD153.01 Software Management Pack v293 (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, allowing the diagnostic tool to read the VIN and identify the vehicle and initiating the data collect sequence.

4

If the hyperlink is not available:

- 1 Select **Diagnosis** from the Session Type screen.
- 2 Select the **Selected Symptoms** tab.
- 3 Select the following:
 - **Electrical - Climate control system - Temperature regulation - Will not heat to required temperature**
- 4 Run and close the **Datalogger** tool to reveal the **Extras** tab.
- 5 Select the **Extras** tab.
- 6 Select **Run** to perform the '**Configure existing module - Heating ventilation and air conditioning control module**' option.
 - Follow all on-screen instructions until the application completes successfully.
- 7 When all tasks are complete, go to the next Step.

5

Exit the current session.

- 1 If necessary, set the vehicle to '**Transit mode**'.
- 2 Select the **Session** tab.
- 3 Select the **Close session** option.

6

Disconnect the diagnostic tool and battery support unit from the vehicle.

- 1 If required, install the transit relay.

This Diagnostic Procedure is for the following vehicles ONLY: 2018MY Discovery Sport; 2018MY Range Rover Evoque; 2017-18MY Range Rover Sport; 2017-18MY Range Rover.

ⓘ 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 158 (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 **HVAC Control Module [HVAC]**.

6 Select **Update ECU**.

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

7 Exit the current session.

- 1 If required, reset the vehicle to **Transit mode**.
 - 2 Select the **Exit** icon.
-

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