

LTB00972NAS3



TECHNICAL BULLETIN

14 JUN 2019

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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

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

This bulletin supersedes TSB LTB00972NAS2/2017 dated 22 NOV 2017, which should either be destroyed or clearly marked to show it is no longer valid (e.g. with a line across the page).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

SECTION:

412-01

SUBJECT /CONCERN:

Climate Control System Blower Fan Stalls

AFFECTED VEHICLE RANGE:

MODEL:	MODEL YEAR:	VIN:	ASSEMBLY PLANT:
Discovery Sport (LC)	2015 Onwards	501001 Onwards	Halewood
Range Rover Evoque (LV)	2016-2019	077912-354461	Halewood

MARKETS:

NORTH AMERICA

CONDITION SUMMARY:**SITUATION:**

No air is blowing through any of the passenger compartment air vents, regardless of the temperature or fan speed selected.

CAUSE:

Water ingress into the heater fan blower due to a broken and/or incorrectly installed cowl panel.

ACTION:

Follow the instructions below.

PARTS:**△ NOTE:**

* An allowance of \$12.50 USD (or local equivalent) has been provided to cover the cost of the locally sourced 3M™ 5313 Scotch-Weld™ sealant strip (or equivalent black, non-curing, butyl-based sealant putty). Claim using Sundry Code 'ZZZ001'.

PART NUMBER	DESCRIPTION	QUANTITY
ZZZ001	*3M™ 5313 Scotch-Weld™ sealant strip	1
LR112269	Blower Fan - Left Hand Drive (LHD)	1
LR111635	Discovery Sport - Cowl panel - LHD - Vehicles without heated washer jets	1
LR111636	Discovery Sport - Cowl panel - LHD - Vehicles with heated washer jets	1
LR111641	Discovery Sport - Battery box lid	1
LR111643	Discovery Sport - Clip - Seal	5
LR118275	Range Rover Evoque - Cowl panel - LHD	1
LR124277	Range Rover Evoque - Battery box lid	1
LR111643	Range Rover Evoque - Clip - Seal	4

TOOLS:



E208514

Jaguar Land Rover (JLR)
approved diagnostic
equipment



E3 752231

JLR approved battery
support unit

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
Discover Sport - Blower fan - Renew	82.25.33	2.8	41	LR066918
Discovery Sport - Cowl panel - Air intake - Renew	80.15.62	0.6	41	LR066918
Discovery Sport - Cowl panel - Sealing - Modification	80.15.89.52	0.1	41	LR066918
HVAC - Actuators end stop detection	82.90.15	0.2	41	LR066918
Range Rover Evoque - Blower fan - Renew	82.25.33	2.3	41	LR066918
Range Rover Evoque - Cowl panel - Air intake - Renew	80.15.62	0.4	41	LR066918
Range Rover Evoque - Cowl panel - Sealing - Modification	80.15.89.52	0.1	41	LR066918
Read and clear fault codes	12.90.16	0.2	41	LR066918

 **NOTE:**

Normal Warranty procedures apply.

DIAGNOSTIC INSTRUCTION

17 Model Year (MY) vehicles and earlier

1.

CAUTION:

This procedure requires a minimum of SDD 156.06 and Software Management Pack 317 installed or later.

NOTES:

- The JLR approved diagnostic equipment will read the Vehicle Identification Number (VIN) for the vehicle and automatically take the vehicle out of 'Transportation Mode' if required.
- All ignition ON/OFF instructions must be followed. Failure to complete these instructions may cause damage to the vehicle control modules.

Connect the JLR approved battery support unit.

2.

Connect the JLR approved diagnostic equipment to the vehicle and begin a new session.

3.

Follow the JLR approved diagnostic equipment prompts.

4.

Using the JLR approved diagnostic equipment read the Diagnostic Trouble Codes (DTCs).

- If any DTCs relating to the customer concern are set, follow the 'Diagnosis and Testing' methods for the climate control system (see TOPIx Workshop Manual section 412-00 Climate Control System - General Information).
 - If the Blower fan continues to operate incorrectly, **continue with the diagnostic procedure and then proceed to the service instruction.**
- If no DTCs relating to the customer concern are set but the Blower fan continues to operate incorrectly, **continue with the diagnostic procedure and then proceed to the service instruction.**

5. Using the JLR approved diagnostic equipment clear the DTCs.
6. If required, reset the vehicle to 'Transportation mode'.
7. When all of the tasks are complete, exit the session.
8. Disconnect the JLR approved diagnostic equipment and the JLR approved battery support unit.

DIAGNOSTIC INSTRUCTION

18 MY vehicles and later

1.

CAUTION:

This procedure requires a minimum of Pathfinder 234 installed or later.

NOTES:

- The JLR approved diagnostic equipment will read the Vehicle Identification Number (VIN) for the vehicle and automatically take the vehicle out of 'Transportation Mode' if required.
- All ignition ON/OFF instructions must be followed. Failure to complete these instructions may cause damage to the vehicle control modules.

Connect the JLR approved battery support unit.

2. Connect the JLR approved diagnostic equipment to the vehicle and begin a new diagnostic session.
3. Follow the JLR approved diagnostic equipment prompts.
4. Select 'ECU Diagnostics'.

5. Select 'All DTCs'.

- If any DTCs relating to the customer concern are set, follow the 'Diagnosis and Testing' methods for the climate control system (see TOPIx Workshop Manual section 412-00 Climate Control System - General Information).
 - If the Blower fan continues to operate incorrectly, **continue with the diagnostic procedure and then proceed to the service instruction.**
- If no DTCs relating to the customer concern are set but the Blower fan continues to operate incorrectly, **continue with the diagnostic procedure and then proceed to the service instruction.**

6. Select 'Clear all DTCs'.

7. Follow all on-screen instructions to complete this task.

8. When all of the tasks are complete, exit the current session.

9. Disconnect the JLR approved diagnostic equipment and the JLR approved battery support unit.

SERVICE INSTRUCTION:

 **NOTES:**

- Blower fan is also known as blower motor in the TOPIx Workshop Manual.
- Cowl panel is also known as plenum chamber in the TOPIx Workshop Manual.
- Some parts may be shown removed for clarity.

All models

1. Turn off the vehicle ignition and allow the vehicle to stand for at least ten minutes. This will allow the blower control module to cool and reset.

2. Remove the cowl panel and battery box cover (see TOPIx Workshop Manual section 412-01: Climate Control - Removal and Installation - Plenum Chamber).

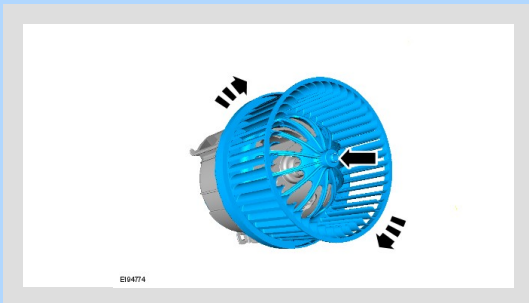
3.  **NOTE:**

When the recirculation setting is set to off, the blend door opens to allow access to the blower fan.

Turn on the vehicle ignition and set 'Recirculation' to the **off** position, using the Integrated Control Panel (ICP).

4.  **CAUTION:**

Do not use the blower fan blades to rotate the blower fan.

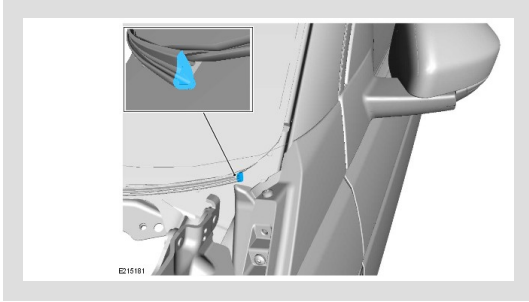


Rotate the blower fan, by hand, using the central spindle and rotate through at least **one** complete cycle.

5. Turn on the interior fan, using the ICP as normal.
- If the interior fan operates as intended, **Install a new blower fan (see TOPIx Workshop Manual section 412-01: Climate Control - Removal and Installation - Blower Motor).**
 - If the fan still does not operate, **do not continue.** Raise a Technical Assistance (TA), including all of the diagnostic steps completed so far.

Discovery Sport only

6.



Fill the end of the alcomat seal using the 3M™ 5313 Scotch-Weld™ sealant strip as illustrated.

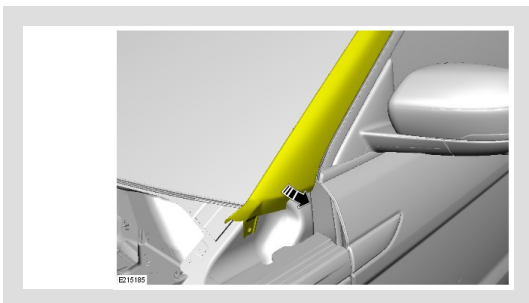
- Repeat this step on the opposite side of the vehicle.
- **Continue to step 10.**

Range Rover Evoque only

7.

⚠ CAUTION:

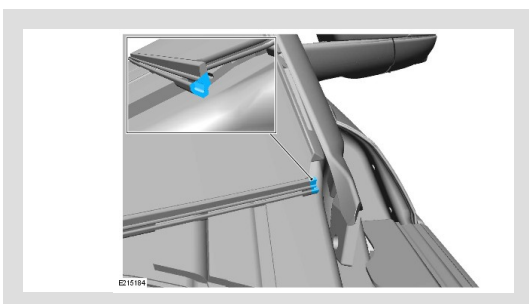
Make sure not to damage the A-pillar finisher.



Reposition the A-pillar finisher just enough to allow access to the bottom corner of the windshield.

- Repeat this step on the opposite side of the vehicle.

8.



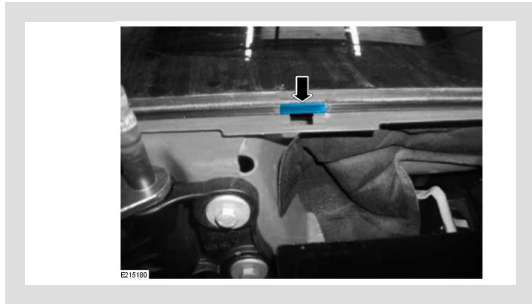
Fill the end of the alcomat seal using the 3M™ 5313 Scotch-Weld sealant strip as illustrated.

- Repeat this step on the opposite side of the vehicle.

9.

 **NOTE:**

This step is applicable to Range Rover Evoque vehicles only.

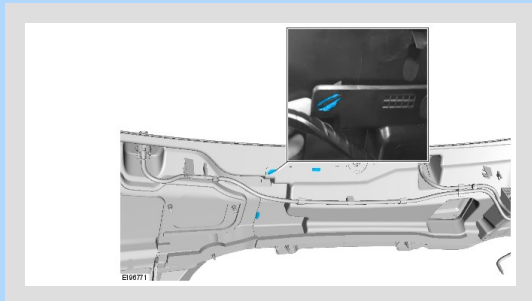


Apply 3M™ 5313 Scotch-Weld™ sealant strip above the central 'Y' locator aperture to bridge the gap in the alcomat seal as illustrated.

- Match the profile of the alcomat seal as closely as possible using the 3M™ 5313 Scotch-Weld™ sealant strip.

All models

10.



Visually inspect the heat stakes and foam dams on the underside of the original cowl, as shown in the illustration.

- If the heat stakes and foam dams **are not** damaged, **continue to step 11.**
- If the heat stakes and foam dams **are** damaged, **continue to step 12.**

11.

NOTES:

- Make sure no gap exists between the top edge of the cowl panel and the surface of the windshield.
- Do not install the battery box cover at this stage.

Install the original cowl panel (see TOPIx Workshop Manual section 412-01: Climate Control - Removal and Installation - Plenum Chamber).

12.

NOTES:

- Make sure no gap exists between the top edge of the cowl panel and the surface of the windshield.
- Do not install the battery box cover at this stage.

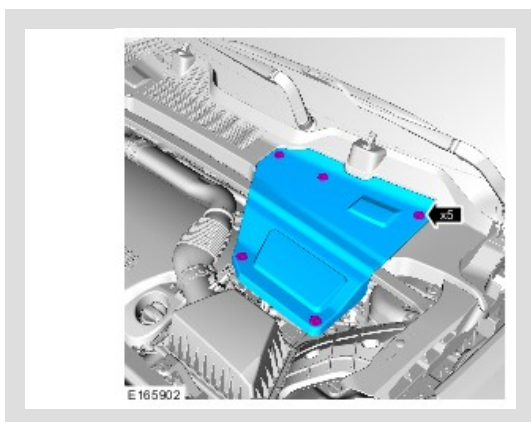
Install the replacement cowl panel (see TOPIx Workshop Manual section 412-01: Climate Control - Removal and Installation - Plenum Chamber).

Discovery Sport only

13.

NOTE:

Install the replacement battery box cover with new fixings.



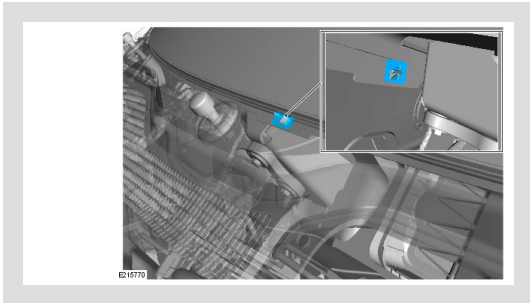
Install the replacement battery box cover using the new fixings.

Range Rover Evoque only

14.

NOTE:

The cowl panel is shown semi transparent for clarity.

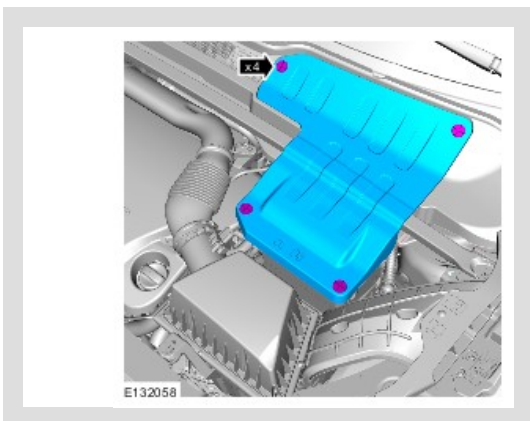


Using the battery box aperture for hand access, apply a 15 mm x 15 mm square of 3M™ 5313 Scotch-Weld™ sealant strip around the central "Y" locator and across onto the rear side of the body panel. This is directly behind the strip applied earlier.

15.

NOTE:

Install the replacement battery box cover with new fixings.



Install the replacement battery box cover using the new fixings.

DIAGNOSTIC INSTRUCTION

HVAC - Actuator end stop detection for 17 MY vehicles and earlier

1.

⚠ CAUTION:

This procedure requires a minimum of SDD 156.06 and Software Management Pack 317 installed or later.

⚠ NOTES:

- The JLR approved diagnostic equipment will read the Vehicle Identification Number (VIN) for the vehicle and automatically take the vehicle out of 'Transportation Mode' if required.
- All ignition ON/OFF instructions must be followed. Failure to complete these instructions may cause damage to the vehicle control modules.

Connect the JLR approved battery support unit.

2.

Connect the JLR approved diagnostic equipment to the vehicle and begin a new session.

Click here to run: [Actuators end stop detection. \(156.06 / 64030\)](#)

3.

If the hyperlink is not available, the application can be found as follows:

- Select the 'Service Functions' Session Type.
- Run 'Actuators end stop detection'.

4.

If required, reset the vehicle to 'Transportation mode'.

5.

When all of the tasks are complete, exit the session.

6.

Disconnect the JLR approved diagnostic equipment and the JLR approved battery support unit.

DIAGNOSTIC INSTRUCTION

HVAC - Actuator end stop detection for 18 MY vehicles and later

1.

 **CAUTION:**

This procedure requires a minimum of Pathfinder 234 installed or later.

 **NOTES:**

- The JLR approved diagnostic equipment will read the Vehicle Identification Number (VIN) for the vehicle and automatically take the vehicle out of 'Transportation Mode' if required.
- All ignition ON/OFF instructions must be followed. Failure to complete these instructions may cause damage to the vehicle control modules.

Connect the JLR approved battery support unit.

2.

Connect the JLR approved diagnostic equipment to the vehicle and begin a new session.

3.

Follow the JLR approved diagnostic equipment prompts.

- Select 'ECU Diagnostics'.
- Select 'HVAC Control Module [HVAC]'.
- Select 'ECU Functions'.
- Select 'Actuators end stop detection'.

4.

Follow all on-screen instructions to complete this task.

5.

If required, reset the vehicle to 'Transportation mode'.

6.

When all of the tasks are complete, exit the current session.

7.

Disconnect the JLR approved diagnostic equipment and the JLR approved battery support unit.