



LTB01236NAS1

# TECHNICAL BULLETIN

04 OCT 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:

412-00

### SUBJECT/CONCERN:

Musty / Mildew / Damp Smell From The Climate Control System

### AFFECTED VEHICLE RANGE:

MODEL:	MODEL YEAR:	VIN:
Range Rover Sport (LW)	2017	124031-695611
Range Rover (LG)	2017	320324-380216

### MARKETS:

NORTH AMERICA

### CONDITION SUMMARY:

#### SITUATION:

A musty / mildew / damp odor from the climate control system may be evident when the Air Conditioning (A/C) system is operated when the vehicle is started or after it has been parked for 4 or more hours.

#### CAUSE:

This may be caused by bacterial growth on the climate control system.

#### ACTION:

Should a customer express this concern, follow the Workshop Procedure below.



**PARTS:**

**NOTES:**

- An allowance of \$52.00 USD or local equivalent has been allocated for locally sourcing the LIQUI MOLY 2K A/C System Cleaner. Claim using code 'ZZZ001'.
- An allowance of \$78.00 USD or local equivalent has been allocated for locally sourcing the purchase of 1 (one) LIQUI MOLY Air-Conditioner System Cleaner tool. Claim using code 'ZZZ001'.
- LIQUI MOLY 2K A/C System Cleaner part number #20001.
- The following LIQUI MOLY Parts are available pre-mixed:
  - 6 x 1 liter plastic canister; LIQUI MOLY Product reference 4091
  - 1 x 5 liter plastic canister; LIQUI MOLY Product reference 4092
- A one-off purchase for the LIQUI MOLY Air-Conditioner System Cleaner tool is required; LIQUI MOLY Product reference 4090

PART NUMBER	DESCRIPTION	QUANTITY
LR036369	Interior air filter	1

**TOOLS:**

	<p>Jaguar Land Rover-approved Midtronics battery power supply</p>		<p>Jaguar Land Rover-approved diagnostic equipment with latest PATHFINDER software</p>
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**WARRANTY:**

**NOTES:**

- An allowance of \$52.00 USD or local equivalent has been allocated for locally sourcing the LIQUI MOLY 2K A/C System Cleaner. Claim using code 'ZZZ001'.
- An allowance of \$78.00 USD or local equivalent has been allocated for locally sourcing the one-off purchase of 1 (one) LIQUI MOLY Air-Conditioner System Cleaner tool. Claim using code 'ZZZ001'.

**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 JLR claims submission system 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
Odor treatment	82.30.15	0.9	49	LR036365
Air Conditioning (A/C) - System diagnosis	82.90.11	0.2	49	LR036365

**NOTE:**

Normal Warranty procedures apply.

**WORKSHOP PROCEDURE:**

1 Verify that the climate control system condensation/water drain is not blocked.

2 With the engine running, dry the surface of the evaporator for 10 minutes.

- 1 Start the engine.
- 2 Switch the Air Conditioning (A/C) OFF.
- 3 Switch 'recirculation' mode OFF.
- 4 Select 'footwell' air distribution.
- 5 Select 'maximum' cabin temperature and blower speed.
- 6 After 10 minutes, switch the ignition OFF.

3 Remove the blower motor (see TOPIx Workshop Manual section 412-01: Climate Control - Blower Motor).

4 Install a suitable interior protection in the passenger footwell.

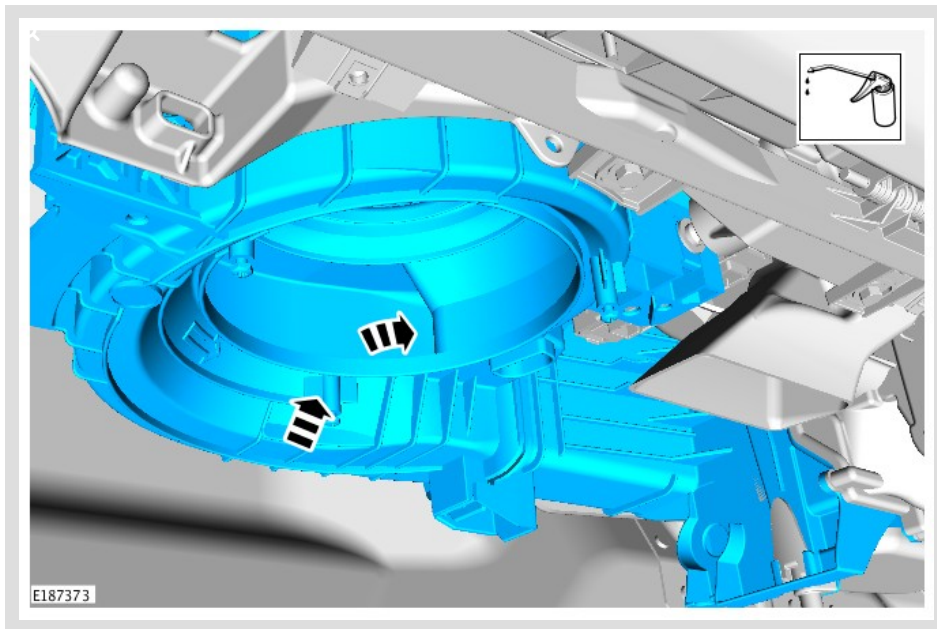
**NOTE:**

Make sure the LIQUI MOLY 2K A/C System Cleaner tank is attached fully to the LIQUI MOLY Air-Conditioner System Cleaner tool.

Fill the LIQUI MOLY A/C system cleaner with 40 fluid ounces of the LIQUI MOLY A/C System Cleaner.

**NOTES:**

- The LIQUI MOLY Air-Conditioner System Cleaner tool's flexible probe will be inserted through the area where the blower motor has been removed.
- Insert the LIQUI MOLY Air-Conditioner System Cleaner tool's flexible probe as far as it can go to the right of the climate control system.



Insert the LIQUI MOLY Air-Conditioner System Cleaner tool's flexible probe into the climate control system.

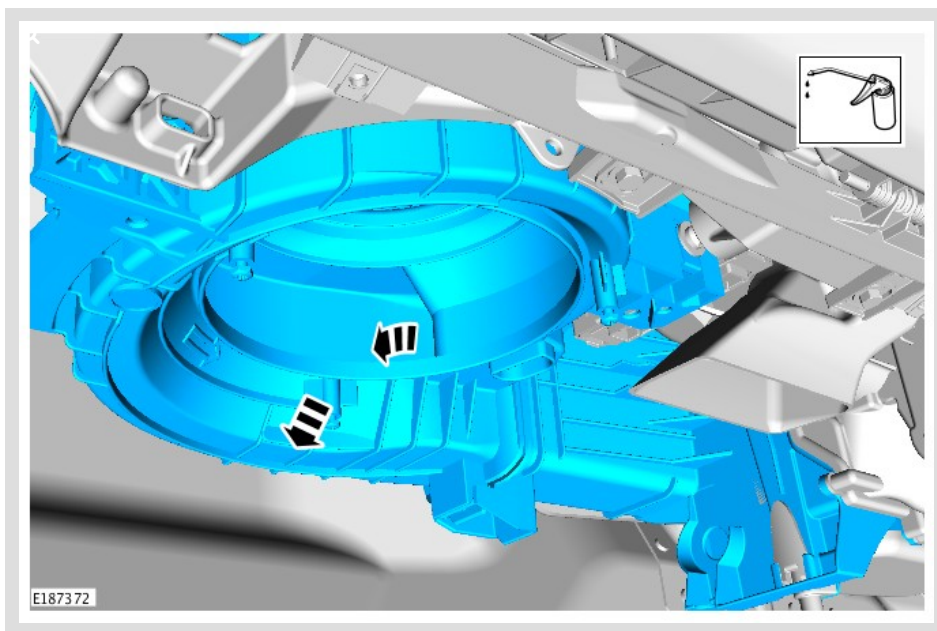
7 Spray the contents of the LIQUI MOLY Air-Conditioner System Cleaner tool into the climate control system.

1 Move the flexible probe carefully backward and forward to fully clean the evaporator.

8

**NOTE:**

Use a suitable cloth to wipe away any excess cleaner fluid.



Remove the LIQUI MOLY Air-Conditioner System Cleaner tool flexible probe from the climate control system.

9 Install the blower motor (see TOPIx Workshop Manual section 412-01: Climate Control - Blower Motor).

10 With the engine running, dry the surface of the evaporator for 10 minutes.

1 Start the engine.

2 Switch the Air Conditioning (A/C) OFF.

- 3 Switch 'recirculation' mode OFF.
- 4 Select 'footwell' air distribution.
- 5 Select 'maximum' cabin temperature and blower speed.
- 6 After 10 minutes, switch the ignition OFF.

11

**NOTE:**

Use a suitable cloth to wipe away any excess cleaner fluid.

Remove the cover from the passenger footwell of the vehicle.

12

**NOTE:**

The interior air filter may also be referred to as pollen filter.

Renew the interior air filter (see TOPIx Workshop Manual section 412-01: Climate Control - Pollen Filter).

## DIAGNOSTIC PROCEDURE: PATHFINDER

**CAUTIONS:**

- A Jaguar Land Rover-approved Midtronics battery power supply must be connected to the vehicle startup battery.
- All ignition ON/OFF requests MUST be performed; failure to do these steps may cause damage to vehicle control modules.

**NOTE:**

Use the Jaguar Land Rover claims submission system for Field Service Action program eligibility requiring a Heating Ventilation Air Conditioning [HVAC] Control Module software update. If eligible, perform and claim the update as per that program using the latest PATHFINDER software.

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

2

**NOTE:**

The Jaguar Land Rover-approved diagnostic equipment must be loaded with PATHFINDER version 188 (or later).

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

3

**NOTE:**

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

Follow all on-screen instructions.

4

Select **ECU Diagnostics**.

5

Select **HVAC Control Module [HVAC]**.

6

Select **Update ECU**.

- 1 Follow the on-screen instructions until the application finishes successfully.

7 Exit the current session.

1 If required, reset the vehicle to **Transit mode**.

2 Select the **Exit** icon.

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