

JLRTB02030NAS1

**TECHNICAL BULLETIN**

20 MAR 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

## SECTION:

303-00

## SUBJECT/CONCERN:

Noise From Engine Compartment

## AFFECTED VEHICLE RANGE:

MODEL:	MODEL YEAR:	VIN:	ASSEMBLY PLANT:	APPLICABILITY:
Range Rover (LG)	2019-2020	521699-589005	Solihull	INGENIUM I4 2.0L Petrol - PHEV
Range Rover Sport (LW)	2019-2020	819281-708497	Solihull	INGENIUM I4 2.0L Petrol/INGENIUM I4 2.0L Petrol - PHEV
Range Rover Velar (LY)	2019	788026-799998	Solihull	INGENIUM I4 2.0L Petrol
Range Rover Velar (LY)	2019-2020	200001-259884	Solihull	INGENIUM I4 2.0L Petrol

MODEL:	MODEL YEAR:	VIN:	ASSEMBLY PLANT:	APPLICABILITY:
New Range Rover Evoque (LZ)	2020	000104-075144	Halewood	INGENIUM I4 2.0L Petrol
Range Rover Evoque (LV)	2019	328512-354440	Halewood	INGENIUM I4 2.0L Petrol
Discovery (LR)	2019	083955-096489	Solihull	INGENIUM I4 2.0L Petrol
Discovery (LR)	2019-2020	403629-427691	Nitra (Slovakia)	INGENIUM I4 2.0L Petrol
Discovery Sport (LC)	2019-2020	782492-851455	Halewood	INGENIUM I4 2.0L Petrol
F-PACE (X761)	2019-2020	363151-637719	Solihull	INGENIUM I4 2.0L Petrol
E-PACE (X540)	2019-2020	Z37143-Z87881	Graz (Austria)	INGENIUM I4 2.0L Petrol
XF (X260)	2019-2020	Y75607-Y85980	Castle Bromwich	INGENIUM I4 2.0L Petrol
XE (X760)	2019-2020	P46826-P62417	Castle Bromwich	INGENIUM I4 2.0L Petrol
F-TYPE (X152)	2019-2020	K60736-K68311	Castle Bromwich	INGENIUM I4 2.0L Petrol

**MARKETS:****NORTH AMERICA****CONDITION SUMMARY:****SITUATION:**

A loud noise can be heard coming from the engine compartment. Investigation has found that the engine cooling fan is constantly running at high speed and the following Diagnostic Trouble Codes (DTCs) may be stored in the Powertrain Control Module (PCM):

- P2B61-73
- P26CB-72

**CAUSE:**

The coolant diversion shroud inside the variable coolant pump is not moving to the correct position when requested by the PCM. The PCM then activates the engine cooling fans at high speed to avoid potential over heating. A new service part is now available.


**ACTION:**

Follow the instructions below.

**PARTS:**


PART NUMBER	DESCRIPTION	QUANTITY
<b>Land Rover</b>		
LR123392	Range Rover Plug-in Hybrid Electric Vehicle (PHEV) - Variable coolant pump	1
LR123392	Range Rover Sport (including PHEV) - Variable coolant pump	1
LR123392	Range Rover Evoque (LV) - Variable coolant pump	1
LR115260	Range Rover Evoque (LZ) (including Mild Hybrid Electric Vehicle (MHEV)) - Variable coolant pump	1
LR123392	Range Rover Velar - Variable coolant pump	1
LR123392	Discovery - Variable coolant pump	1
LR123392	Discovery Sport - 2019 model year and earlier - Variable coolant pump	1
LR115260	Discovery Sport (including MHEV) - 2020 model year and later - Variable coolant pump	1
LR100931	Drive belt - PHEV and MHEV vehicles only	1
<b>Jaguar</b>		
JDE40573	Variable coolant pump	1

**TOOLS:**



Jaguar Land Rover (JLR)  
approved diagnostic equipment

E208514



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
All vehicles - Powertrain Control Module (PCM) - Update - Replace ECU	85.18.03	0.2	04	LR123906/JDE38596

DESCRIPTION	SRO	TIME (HOURS)	CONDITION CODE	CAUSAL PART
Range Rover PHEV and Range Rover Sport PHEV - Variable coolant pump - Renew	26.50.01	2.5	04	LR123906/JDE38596
Range Rover Sport and Discovery - Variable coolant pump - Renew	26.50.01	1	04	LR123906/JDE38596
Range Rover Velar and F-PACE - Variable coolant pump - Renew	26.50.01	0.9	04	LR123906/JDE38596
Range Rover Evoque (LV), Discovery Sport, XF, XE and E-PACE - Variable coolant pump - Renew	26.50.01	1.2	04	LR123906/JDE38596
Range Rover Evoque (LZ) and F-TYPE - Variable coolant pump - Renew	26.50.01	1.4	04	LR123906/JDE38596
Range Rover Evoque (LZ) MHEV - Variable coolant pump - Renew	26.50.01.32	1.5	04	LR123906/JDE38596
Discovery Sport MHEV - Variable coolant pump - Renew	26.50.01.32	1.3	04	LR123906/JDE38596

**NOTE:**

Normal Warranty procedures apply.

**DIAGNOSTIC INSTRUCTION:**

1.

**CAUTION:**

This procedure requires Pathfinder version 272 loaded or a later version.

**NOTES:**

- The JLR approved diagnostic equipment will read the correct Vehicle Identification Number (VIN) for the current 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.

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2. Connect the JLR approved diagnostic equipment to the vehicle and begin a new diagnostic session.
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3. Follow the JLR approved diagnostic equipment prompts.
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4. Select 'ECU Diagnostics'.
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5. Select 'All DTCs'.
    - ■ If P2B61-73 and/or P26CB-72 **are** stored in the PCM, **continue to step 6.**
    - ■ If P2B61-73 and/or P26CB-72 **are not** stored in the PCM, **this bulletin does not apply, continue to diagnose the concern using the TOPIx Workshop Manual (section 303-03B: Engine Cooling - Ingenium I4 2.0L Petrol - Diagnosis and Testing).**
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6. Select 'ECU Diagnostics'.
    - ■ Select 'Powertrain Control Module [PCM]'.
    - ■ Select 'Update ECU'.
    - ■ Follow all on-screen instructions to complete the task.
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7. If required, reset the vehicle to 'Transportation Mode'.
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8. When all of the tasks are complete, exit the session.
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9. Disconnect the JLR approved diagnostic equipment and the JLR approved battery support unit.
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10. Renew the variable coolant pump (see TOPIx Workshop Manual section 303-03: Engine Cooling - Ingenium I4 2.0L Petrol - Removal and Installation - Coolant Pump).