

Reference	SSM76074
Models	New Range Rover / L460 (089538 → 000001) New Range Rover Sport / L461 (157125 → 100000)
Title	Noise in Cabin from Driver Footwell / Brake Pedal Area
Category	Chassis
Last modified	12-Oct-2023 00:00:00
Symptom	301000 Service Brake System

Content**Model / Model Year / Derivative**

Range Rover / 22-23MY / All
Range Rover Sport / 22-23MY / All

Situation:

JLR Engineering investigations have found customer reports of a low level, high frequency background noise in the vehicle cabin coming from the driver footwell / brake pedal area. The amplitude of the noise varies when the brake pedal is pressed.

Note - There are no Diagnostic Trouble Codes (DTCs) associated with this issue.

Cause:

The source of noise is vibration from internal Integrated Power Brake Unit (IPB) valves being agitated by the Pulse Width Modulation (PWM) signal that operates them. This vibration is transmitted from the valves, via the IPB pushrod, into the brake pedal. The vibrating brake pedal emits the noise into the vehicle cabin.

Action:

Follow the instruction(s) below.

Service Instruction

- Connect the JLR approved diagnostic equipment and the JLR approved battery support unit.
- Launch Diagnosis Device Agent, and log in.
- Select 'Fault and Breakdown'.
- Select 'Diagnose a fault'.
- Enter the following Symptom: Chassis > Brake System > Brake Controls > Noise When Pressing Brake Pedal
- Select the following test from the test plan 'Brake Pedal Noise - Test'.
- Follow the on-screen instructions.

(Ref 000365669)

anBhdHRlcM7MjAyMy0xMS0wM1QxNDoxNToxN42MzFaOzEzN44yMjYyNzQuMTA1Ow==