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| Reference | SSM75825 |
| Models | Defender / L663 Discovery / L462 Discovery Sport / L550 New Range Rover / L460 New Range Rover Evoque / L551 New Range Rover Sport / L461 Range Rover / L405 Range Rover Sport / L494 Range Rover Velar / L560 |
| Title | MHEV DC/DC Converter - Squeaking Noise From Inside The Cabin. |
| Category | Noise Vibration |
| Last modified | 27-Oct-2022 00:00:00 |
| Symptom | 702000 Other Noise Concerns |
| Attachments | 1Image 15.png (1Image 15.png) |

Content

Issue:
Jaguar Land Rover (JLR) is investigating customer reporting a squeaking noise. This squeak can be heard from the MHEV Direct Current to Direct Current (DC/DC) converter, when under load.

Cause:
Internal fault within the MHEV DC/DC converter.

Action:
Confirm the squeak is coming from the MHEV DC/DC converter. This can be done by removing the 10 pin connector (reference Image 1). Turn on some vehicle electrical systems to place a load on the charging system and see if the squeak is no longer present.

If this check confirms that the noise is coming from the MHEV DC/DC converter then replace, referring to TOPix workshop manual section 414-01: Direct Current to Direct Current Converter - Removal and Installation

If the squeak is still present, then clear all DTC's and continue investigation.

Please note:
In some cases, on vehicles fitted with air suspension, the air suspension compressor has been misdiagnosed as the cause of the squeak. (Do not replace until checks on the MHEV DC/DC converter have been conducted)

Thank you in advance for your assistance with this matter.

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