

Reference	SSM75996
Models	New Range Rover / L460 New Range Rover Sport / L461
Title	L460/ L461 Front Brake Noise On Brake Application
Category	Chassis
Last modified	10-Jul-2023 00:00:00
Symptom	301000 Service Brake System
Content	<p>Issue: A customer may report a squeal type sound from the front brakes when the footbrake is applied while the vehicle is in motion. Affecting L460/ L461 fitted with 400mm front brake disc and 6 piston fixed calliper models only.</p> <p>Note: This Special Service Message (SSM) relates to brake squeal only. If a customer reports any other type of sound, for example: groaning/ grinding/ vibration etc. then follow the brake system diagnostic path in the TOPIx Workshop Manual section: 206-00 and do not continue to follow this SSM.</p> <p>Cause: Currently under analysis.</p> <p>Action: Complete the following steps if a customer reports noise from the service brakes during brake pedal application.</p> <ol style="list-style-type: none">1. Check all brake pads/ discs/ brake shields are free from obstruction or debris.2. Check condition of brake pads and discs for excessive wear and replace as appropriate if they are worn below the minimum pad or disc thickness.3. If the brake discs/ pads are not showing signs of excessive wear determine which wheel assembly (LHF/RHF/LHR/RHR) is emitting the noise.4. If the noise is from the front brakes, submit a Technical Assistance (TA) including the information/files listed below. Use this SSM number as a reference within the customer concern field and quote CES_700, which will be escalated directly to engineering. <p>Note: For vehicles located in the UK, Canada or USA only, submit the information as a FRED request and not as a TA.</p> <ul style="list-style-type: none">• Sound recording when the noise is present using a suitable sound recording device• Approximate vehicle speed during occurrence• Approximate ambient temperature during occurrence• Does the noise occur at the start of the drive cycle or when the brakes are fully warm after a period of travel?• Does the noise occur under light or heavy braking?• Does the noise occur during brake pedal application or release?

5.If the noise is from the rear brakes, continue with diagnosis and rectification with reference to TOPIx Workshop Manual (No TA/ FRED required)

6.When the above is complete, place an order for replacement front brake pads via the Electronic Parts Catalogue (EPC) using part number (LR180976). The part will only be supplied after the TA/ FRED has been received and analysed to determine if the part will rectify the concern.

Note: Submit the TA number or FRED request number as appropriate with the parts order.

Note: LR180976 is on parts restriction and will require submission of a TA (FRED request for UK/Canada/ USA) with sound file for part release. If it is determined that this part will not rectify the concern, then the part order you have placed will be rejected. In this instance, continue with further diagnosis with reference to the TOPIx Workshop Manual.

Note: Replace brake discs only if they show signs of excessive wear or are below the minimum thickness. Return the vehicle to the customer.

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