

Reference	SSM73150
Models	Discovery Sport / L550 Range Rover / L405 Range Rover Evoque / L538 Range Rover Sport / L494
Title	Braking System Noise - Guidance and Instructions to support Customers
Category	Chassis
Last modified	30-Jan-2018 00:00:00
Symptom	301000 Service Brake System
Attachments	Attachment 1 - Brake Noise App (SpectrumView).pdf (Attachment 1 - Brake Noise App (SpectrumView).pdf)
Content	<p><u>Issue:</u></p> <p>Customers may observe a variety of noises during normal vehicle operation that emanate from the wheel / brake disc area of the vehicle. EPQR & TA data provided by retailers to date, shows a varied range of conditions (environmental, drive cycle and road type) that may initiate the known noises.</p> <p>Although the noises do not, in most cases, indicate a degradation in functionality or braking performance, they may lead to customer dissatisfaction and unscheduled retailer visits for repair action.</p> <p>Note: Off road use of the vehicle is not categorised in the communication due to the extended range of parameters and conditions that the vehicle operate at.</p> <p>Defining and describing brake noises is proven to be difficult through our different languages and terminology. In the 'Solutions' section below, there are noise descriptions and Technical Service Bulletins references to aid the repair selection. See 'Action' for further guidance.</p> <p><u>Cause:</u></p> <p>All brakes from all vehicle manufacturers will have a range of noises. The mechanical behaviour of the brakes or wheel systems along with the variety of conditions they operate in, may initiate noises. They can be attributed to one of the causes below:</p> <ol style="list-style-type: none"> 1. Brake disc corrosion due to long standing periods. 2. Low temperatures and damp conditions. 3. Scored brake discs or debris (grit, stones, twig's) trapped between components. 4. Park Brake Drag - Disc distortion due to thermal activity (overheating the brakes / excessive braking).

