



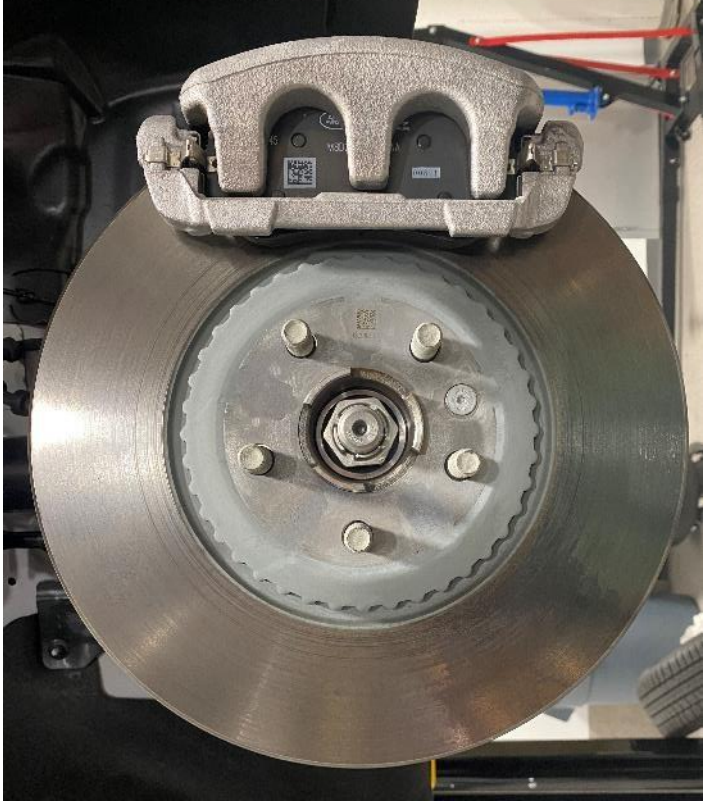
# TECHNICAL TOPICS BODY/CHASSIS



<p><b>Cyclical Type Noise From Front Brakes</b></p>	<p>21MY Range Rover, RR Sport, Defender, Discovery, RR Velar, F-PACE</p>
<p><u>Customer Voice:</u></p> <ul style="list-style-type: none"> <li>- A customer may report that there is a cyclical knocking or judder type noise when braking.</li> </ul> <p><u>Technical Description:</u></p> <ul style="list-style-type: none"> <li>- This may be caused by brake pad material that has not evenly transferred onto the brake disc.</li> </ul> <p><u>Status:</u></p> <ul style="list-style-type: none"> <li>- SSM 75447 (Land Rover) and SSM 75448 (Jaguar) has been published to address this concern by providing repair guidance to clean the brake disc surfaces of pad material and prepare the disc and pad surfaces using 150 grit emery cloth.</li> <li>- The SSM also provides specific brake bed-in procedures that is very important to follow to ensure a successful repair.</li> </ul>	 <p style="text-align: center;"><b>Before</b></p>  <p style="text-align: center;"><b>After</b></p>



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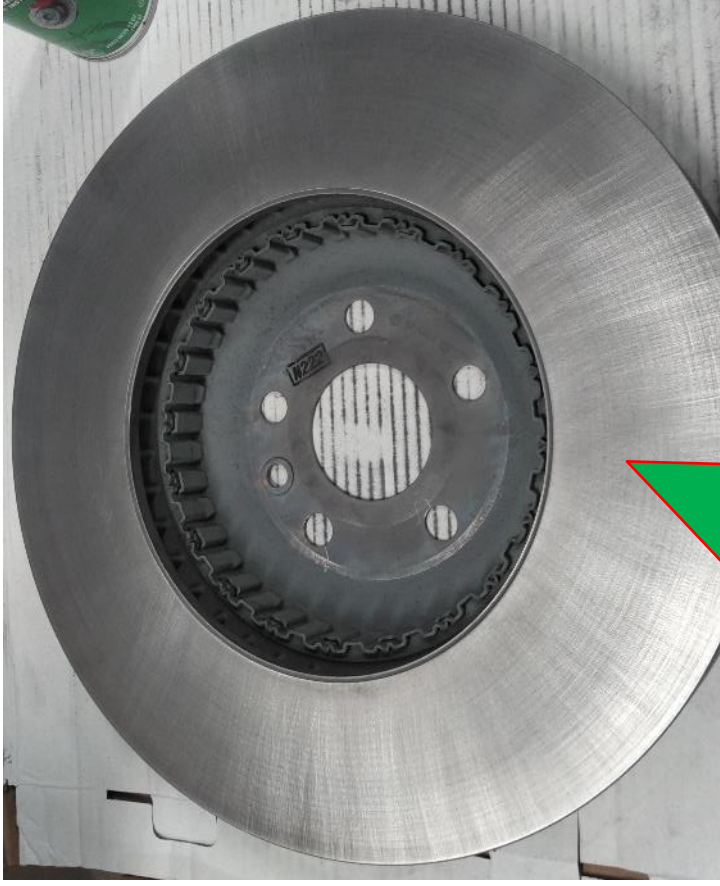


Examples of uneven brake pad material transfer onto the brake disc.





Poor attempt of performing  
SSM disc cleaning procedure .



Correctly performed SSM  
disc cleaning procedure .



# TECHNICAL TOPICS BODY/CHASSIS



Examples of brake discs improperly sanded with a rotary tool causing a noise concern.





Avoid coming to complete stops with hot discs when performing the bed-in procedure to avoid static material transfer.



Correctly bedded in brake discs will have an even, dark layer of pad material on the friction surface.