

Reference	SSM63897
Models	Range Rover / L405
Title	Rubbing/Scrapping/Drone Noise 3.0 TDV6 and 5.0 Gasoline NA
Category	Driveline
Last modified	31-Jul-2014 00:00:00
Symptom	597997 Driveline Noise Concerns
Attachments	Differential Support Bracket.pdf
Content	<p><u>Issue:</u> A noise which can be described as a rubbing/scrapping/drone or in some cases maybe reported as a vibration is found to be evident from the left hand front corner of the vehicle. The noise can also be described as similar to a brake rubbing or wheel bearing noise and can be variable from vehicle to vehicle. The issue can occur at different speeds/gears and in steady state driving conditions up to 50/60mph (80/100km/h), however the noise in most cases is more prominent in 2nd gear coast down particularly around 12mph (20km/h). To confirm, the noise can listened to using 'Chassis Ear' fixed to front differential RH mount.</p> <p><u>Cause:</u> Chordal vibration of the transfer case chain on coast/overrun. Fitment of the front differential support bracket may eliminate the noise without the need to replace the complete transfer box assembly</p> <p><u>Action:</u> Fit front differential support bracket, refer to attached document for further information. SRO Details: 54.10.89/48 fit front differential support bracket (0.3hrs)</p> <p>NOTE – This SSM supports TSB LTB00553 and is only applicable to 2013MY 3.0 TDV6 and 5.0 Naturally Aspirated Gasoline vehicles within the stated vin range (LG000010-LG124981). The 4.4 TDV8 and 5.0 Supercharger derivatives have the bracket fitted as standard.</p>