

2nd Gear Coast Vibration 25-10mph.avi

4th Gear 40mph steady state vibration on off throttle.avi

Reference	SSM67137
Models	Range Rover (All New) / L405
Title	Transfer Case Noise Diagnosis Reference LTB00553NAS1
Category	Driveline
Last modified	04-Sep-2013 00:00:00
Symptom	508000 Transfer Case Concerns
Content	<p><u>Issue:</u> A rubbing/scraping/drone-type noise and/or a vibration may appear to be evident from the front lefthand corner of the vehicle.</p> <p><u>Cause:</u> This may be caused by a chordal vibration of the transfer case chain on coast/overrun.</p> <p><u>Action:</u> This SSM is intended provide assistance in diagnosing and identifying the transfer case noise referred to in TSB LTB00553NAS1 ( to be published July 23rd) . To help ensure that the noise concern is correctly identified <b>prior</b> to replacing the transfer case as per the TSB please listen to the attached sound files of a transfer case chain chordal vibration and compare it to the noise emanating from the vehicle.</p> <p>The noise in most cases is more prominent in second gear coast down, particularly around 12mph (20km/h). To confirm the transfer case is the root cause, the noise can listened to using 'Chassis Ear' fixed to front differential right-hand mount.</p>