

SB-10053918-6201

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	<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. <u>Cause:</u> This may be caused by a chordal vibration of the transfer case chain on coast/overrun. <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 prior 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. 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.