

Reference	SSM72995
Models	Range Rover / L405 Range Rover Sport / L494
Title	Differential Axle Tube Assembly Noise
Category	Driveline
Last modified	11-Oct-2016 00:00:00
Symptom	597997 Driveline Noise Concerns
Attachments	Halfshaft Journal Finish1.pdf (Halfshaft Journal Finish1.pdf) Needle Roller Bearing - Extension Tube.pdf (Needle Roller Bearing - Extension Tube.pdf)

Content**Issue:**

Noise evident to the front of the vehicle at 30-40 MPH / 48-64 KPH on a smooth road described as a groaning, scraping or drone noise on vehicles produced within the following vin ranges –

LG Range Rover – LG000001 to LG293715

LW Range Rover Sport LW300000 to LW399999

LW Range Rover Sport LW500000 to LW594719

LW Range Rover Sport LW600000 to LW655896

Cause:

A poor finish of the front right halfshaft journal diameter can produce a vibration and rumbling noise through the vehicle when it rotates directly against the needle rollers in the differential extension tube bearing.

Action:

Remove the front right halfshaft to confirm poor finish on journal diameter.

- **If journal diameter shows evidence of facets (refer to attached file), replace the halfshaft.**

Inspect the needle rollers in the differential extension tube bearing for flat surface (damage).

- **If the bearing rollers are damaged, replace the differential extension tube assembly.**

Technicians - Please rate this SSM and provide comments so that future

communications can be improved.

1 = Poor – Basic information provided – The SSM does not help me resolve the customer concern.

3 = Average – Adequate information provided – The SSM partially helps me resolve the customer concern.

5 = Excellent – All required information provided to resolve the customer concern.



Facets

