

<b>Reference</b>	SSM72995
<b>Models</b>	Range Rover / L405 Range Rover Sport / L494
<b>Title</b>	L494 & L405 Differential Axle Tube Assembly Noise
<b>Category</b>	Driveline
<b>Last modified</b>	16-May-2018 00:00:00
<b>Symptom</b>	597997 Driveline Noise Concerns
<b>Attachments</b>	11SSM72995 Attached File.pdf

**Content****Issue:**

Noise evident to the front of the vehicle at 10-40 MPH/16-64 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 LG351464

LW Range Rover Sport – LW100000 to LW152017

LW Range Rover Sport - LW300000 to LW399999

LW Range Rover Sport - LW500000 to LW599999

LW Range Rover Sport - LW600000 to LW687306

LR Discovery – LR000001 to LR017639

**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 the journal diameter shows evidence of poor finish (*refer to attached file page 1*), replace the halfshaft and differential extension tube. For halfshaft replacement refer to **TOPlx section 205-04: Front Drive Halfshafts**. The differential extension tube replacement procedure is covered under differential case remove/installation, refer to **TOPlx section 205-03: Front Drive Axle/Differential**.

Once the repair is complete please take photo's of the manufacturing data on the old the halfshaft (*refer to example on attached file page 2*) and raise a Quality Report EPQR.

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.



