

Reference	SSM54417
Models	LR2 / L359
Title	Freelander 2 Pinion tail bearing worn Reference LTB00342
Category	Driveline
Last modified	05-Jan-2015 00:00:00
Symptom	509000 Axle Concerns
Attachments	bearings.pdf

Content

Start VIN -000212, End VIN -257090

Issue:

A customer may report a concern of excessive humming noise and or rumble or high pitched whine coming from the rear of the vehicle, dealer diagnosis identifies the noise is coming from the rear differential assembly.

Cause:

The pinion tail bearing is worn due to static over loading.

Action:

To confirm the correct diagnosis and repair (as described in Technical Bulletin LTB00342) it may help to cut the pinion tail bearing cage and examine the condition of the bearing (see attachment – picture A).

If the bearing is found worn (see attachment - picture C), similar to the pictures in the attachment, continue with the lower level repair in LTB00342.

If the bearing is found to be in good condition (see attachment - picture B) then the root cause may be elsewhere and further investigation is needed to determine the root cause. For example it may be caused by issues with the Haldex unit, prop shaft, wheel bearings, wheels and tyres. As the bearing casing has been cut it is necessary to also complete the repair as in LTB00342 to replace the pinion bearing.

If a different root cause is identified, please raise an EPQR Quality Report describing what was found and what action was taken.

Please note that diagnostic help cannot be provided through an EPQR, so if help is needed please raise a Technical Assistance case.