Reference	SSM76324
Models	Defender / L663 Discovery / L462 New Range Rover / L460 New Range Rover Sport / L461
Title	Rear Driveline `Clonk` Type Noise
Category	Driveline
Last modified	21-May-2025 00:00:00
Symptom	597997 Driveline Noise Concerns
Attachments	Driveshaft build date A2..docx (Driveshaft build date A2..docx) Loctite Application A3.docx (Loctite Application A3.docx) RDU Serial Number A1.docx (RDU Serial Number A1.docx)

Content

Model /Model Year / Derivative
Range Rover Sport / 23MY Onwards / all variants
Range Rover / 22MY Onwards / all variants
Defender / 21MY Onwards / all variants
Discovery / 20MY Onwards / all varients

Situation:

JLR Engineering investigations have found customer reports of a low-speed ‘clonk’ type noise from the rear driveline, audible during low-speed throttle inputs, often coupled with up/down gear changes. The noise is audible during normal road driving conditions.

Cause:

The cause is currently unknown. Following the guidance within this SSM will assist Engineering in determining the root cause.

Action:

Refer to the service request below.

Service Request:

Do not renew any components for this concern.

1. Take a photo of rear drive unit serial number. (Serial Number A1)
2. Take a photo of the rear driveshaft production date. (Driveshaft Build Date A2)
3. Remove the rear driveshaft from the rear drive unit follwing the TOPIx Workshop Manual.

4. Clean away any grease from both the rear drive unit pinion splines, and driveshaft rear joint internal splines.
5. Apply Loctite™ 658 retaining compound, to the first 15mm section of each RDU spline in the area pictured. (Loctite™ Application A3)
6. Reassemble the rear driveshaft onto the rear drive unit, following TOPIx Workshop Manual.
7. Allow the Loctite™ 658 to cure for 6 hours before driving the vehicle.
8. Raise an Electronic Product Quality Report (EPQR) which must include the below information:

    - Reference to PTS_800
    - Reference to P396257
    - Reference to this SSM
    - Evidence of rear drive unit serial number attached to EPQR (Serial Number A1)
    - Evidence of rear driveshaft production date (Driveshaft Build Date A2)

Ref:00396257/5239

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