Reference	SSM76049
Models	Defender / L663 Discovery / L462 New Range Rover / L460 New Range Rover Sport / L461
Title	Noisy Rear Drive Shaft Assembly
Category	Driveline
Last modified	21-Nov-2024 00:00:00
Symptom	597997 Driveline Noise Concerns
Attachments	Attachment 1.mov (Attachment 1.mov) Attachment 21.jpg (Attachment 21.jpg)

Content

Model / Model Year / Derivative

DISCOVERY / 22MY onwards / All derivatives
DEFENDER / 22MY onwards / All derivatives
RANGE ROVER / 23MY onwards / All derivatives
RANGE ROVER SPORT / 23MY onwards / All derivatives

Situation:

JLR Engineering investigations have found a 'clicking' noise from the rear of the vehicle. The noise can be heard coming from both sides of the vehicle while moving forward or backward.
(See 'attachment 1' - A video showing an example of the clicking noise heard from the rear of the vehicle)

Cause:

Tooling concern.

Action:

Follow the instruction(s) below.

SERVICE INSTRUCTION:

1. Remove both rear wheel knuckles, (see TOPIx Workshop Manual section 204-02: Rear Suspension - Removal and Installation - Wheel Knuckle).
2. Use a suitable cleaning fluid to clean both rear halfshaft splines.
3. Apply approximately 2g of MOLYKOTE® Cu-7439 Plus paste (or an equivalent retaining compound suitable for applications where high dynamic force or cyclic loading is expected) to the halfshaft abutment face on both rear half shafts.
   (See 'attachment 2' - An image showing MOLYKOTE® Cu-7439 Plus paste being applied to the rear halfshaft abutment face).
4. Install both rear wheel knuckles, (see TOPIx Workshop Manual section 204-02: Rear Suspension - Removal and Installation - Wheel Knuckle).
5. Torque both new rear half shaft nuts to the below specification:
   DISCOVERY and DEFENDER torque specification:
   Stage 1: 300 Nm.
   Stage 2: -90 deg.
   Stage 3: 120 Nm.
   Stage 4: 60 deg.
   RANGE ROVER and RANGE ROVER SPORT torque specification:

Stage 1: 300 Nm.
Stage 2: -90 deg.
Stage 3: 135 Nm.
Stage 4: 60 deg.

6. Raise an Electronic Product Quality Report (EPQR), providing the following information:

- Details on which side of the vehicle the noise could be heard from (Rear Left / Rear Right / Both sides).
- Details on which type(s) of driving conditions or actions would cause the noise to occur.
- Reference to the following engineering team: CES_330 - Suspension, Frames & Powertrain Mtg.

(Ref 000375815)
(Ref 000371889)

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