

Latest Vehicle Concern Fixes

POWERTRAIN



Differential and Transfer Case Diagnosis

18MY onward Discovery, Range Rover, RR Sport, RR Velar, F PACE

Customer Voice:

- There is a noise when turning or accelerating.
- There is a judder when turning.
- The tires jump when turning.

Technical Description:

- The root cause may be mechanical in the transfer case, differential, prop shafts, suspension, or mounting points.

Status:

- Inspect the tires and wheels, ensure they are all the same size.
- Perform a thorough inspection of the vehicle suspension, mounts, bushings.
- Perform a thorough inspection of the prop shaft, bearings, and joints.
- It is normal for oil in a transfer case and differential to get dirty over time and have evidence of fine metallic particles or clutch material due to normal wear.
- Collect the full original oil contents from a differential or transfer case that is suspected as causing the condition and keep it in a safe place.
- Disabling of electronic components within differentials can be used to determine if mechanical failure exists or if the issue may be driven by a software or calibration.
- Please report results of diagnosis and repair by EPQR or raise a TA if help is needed

