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2017.0 DISCOVERY (LR), 308-07

TRANSFER CASE - [+] SINGLE SPEED TRANSFER CASE

DIAGNOSIS AND TESTING

PRINCIPLES OF OPERATION

For a detailed description of the Transfer Case - Single speed, refer to the relevant Description and Operation section in the workshop manual.
REFER to: Transfer Case (308-07 Transfer Case - Vehicles With: Single Speed Transfer Case, Description and Operation).

INSPECTION AND VERIFICATION

CAUTION:

Diagnosis by substitution from a donor vehicle is **NOT** acceptable. Substitution of control modules does not guarantee confirmation of a fault, and may also cause additional faults in the vehicle being tested and/or the donor vehicle.

NOTE:

If the control module or a component is suspect and the vehicle remains under manufacturer warranty, refer to the Warranty Policy and Procedures manual, or determine if any prior approval programme is in operation, prior to the installation of a new module/component.

1. Verify the customer concern

1. Visually inspect for obvious signs of damage and system integrity

Visual Inspection

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MECHANICAL
▪ Transfer case ▪ Driveshafts ▪ Differentials ▪ Halfshafts ▪ Fluid leaks

1. If an obvious cause for an observed or reported concern is found, correct the cause (if possible) before proceeding to the next step

1. If the cause is not visually evident, verify the symptom and refer to the Symptom Chart, alternatively check for Diagnostic Trouble Codes (DTCs) and refer to the DTC Index

1. Check DDW for open campaigns. Refer to the corresponding bulletins and SSMs which may be valid for the specific customer complaint and carry out the recommendations as required

JUDDER DURING LOW SPEED MANOEUVRING WITH HIGH STEERING INPUTS

At full lock, there will be some tyre scrubbing; as the temperature drops, scrubbing may be experienced as stick/slip judder. This is normal and does not require any service intervention

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