



LTB01128NAS1

TECHNICAL BULLETIN

17 JAN 2017

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NOTE: The information in Technical Bulletins is intended for use by trained, professional Technicians with the knowledge, tools, and equipment required to do the job properly and safely. It informs these Technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by 'do-it-yourselfers'. If you are not a Retailer, do not assume that a condition described affects your vehicle. Contact an authorized Land Rover service facility to determine whether this bulletin applies to a specific vehicle.

INFORMATION

SECTION:

307-05A: Automatic Transmission/Transaxle External Controls

SUBJECT/CONCERN:

Unable To Select Gear - 'Gearbox Fault' Displayed On The Instrument Cluster

AFFECTED VEHICLE RANGE:

MODEL:	MODEL YEAR:	VIN:	ASSEMBLY PLANT:
Range Rover Sport (LW)	2017 Onwards	124031 Onwards	Solihull
Range Rover Sport (LW)	2017 Onwards	666892 Onwards	Solihull

MARKETS:

NORTH AMERICA

CONDITION SUMMARY:

SITUATION:

A customer may be unable to select a transmission gear and/or start the engine. A 'Gearbox fault' message may also be displayed on the Instrument Cluster (IC). Switching the ignition 'OFF' and then 'ON' clears the fault.

Upon further diagnosis, a Technician may find Diagnostic Trouble Code (DTC) U0402-09 stored in the Transmission Control Switch (TCS). DTCs U0402-00 (stored in the Powertrain Control Module [PCM]) and/or U0404-64 (stored in the Transmission Control Module [TCM]) may also be found.

NOTE:

The Transmission Control Switch (TCS) may also be referred to as the Gear Shift Module (GSM).

CAUSE:

This may be caused by a Transmission Control Switch (TCS) software error.

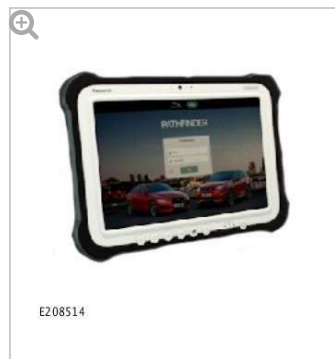
ACTION:

Should a customer express this concern, follow the Diagnostic Procedure below.

TOOLS:



Jaguar Land
Rover-approved
Midtronics battery
power supply



Jaguar Land
Rover-approved
diagnostic tool
with latest
PATHFINDER
software

WARRANTY:

NOTE:

The Transmission Control Switch (TCS) may also be referred to as the Gear Shift Module (GSM).

NOTES:

- Repair procedures are under constant review, and therefore times are subject to change; those quoted here must be taken as guidance only. Always refer to JLR claims submission system to obtain the latest repair time.
- The JLR Claims Submission System requires the use of causal part numbers. Labor only claims must show the causal part number with a quantity of zero.

DESCRIPTION	SRO	TIME (HOURS)	CONDITION CODE	CAUSAL PART
Module - Gear shift - Configure existing module	44.90.12	0.2	04	LR097270

NOTE:

Normal Warranty procedures apply.

DIAGNOSTIC PROCEDURE 'B': PATHFINDER

This Diagnostic Procedure is only for vehicles requiring the Jaguar Land Rover-approved diagnostic tool with PATHFINDER.

CAUTIONS:

- A Jaguar Land Rover-approved Midtronics battery power supply must be connected to the vehicle battery during diagnosis / module programming.
- All ignition ON/OFF requests must be carried out. Failure to perform these steps may cause damage to control modules in the vehicle.

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- 1 Connect the Jaguar Land Rover-approved Midtronics battery power supply to the vehicle battery.
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2

NOTE:

The Jaguar Land Rover-approved diagnostic tool must be loaded with PATHFINDER version 120 (or later).

Connect the Jaguar Land Rover-approved diagnostic tool to the vehicle and begin a new session.

3

NOTE:

The Jaguar Land Rover-approved diagnostic tool will read the correct Vehicle Identification Number (VIN) for the current vehicle and automatically take the vehicle out of Transit mode if required.

Follow all on-screen instructions.

- 4 Select **ECU Diagnostics**.
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NOTE:

The Transmission Control Switch (TCS) may also be referred to as the Gear Shift Module (GSM).

Select **Gear Shift Module [GSM]**.

- 6 Select **Update ECU**.

- 1 Follow all on-screen instructions until the application completes successfully.
 - 2 When all tasks are complete, go to the next Step.
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- 7 Exit the current session.

- 1 If required, reset the vehicle to **Transit mode**.

2 Select the **Exit** icon.

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- 8 Disconnect the diagnostic tool and battery power supply from the vehicle.