

LTB01109NAS1



# TECHNICAL BULLETIN

12 DEC 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

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### SECTION:

204-06: Ride and Handling Optimization

### SUBJECT/CONCERN:

Terrain Response® System Not Operating As Expected In 'Auto' Mode

### AFFECTED VEHICLE RANGE:

MODEL:	MODEL YEAR:	VIN:	ASSEMBLY PLANT:

MODEL:	MODEL YEAR:	VIN:	ASSEMBLY PLANT:
Discovery (LR)	2017	000532-037935	Solihull
Range Rover Sport (LW)	2014	001154-001205	Solihull
Range Rover Sport (LW)	2014-2015	300003-399999	Solihull
Range Rover Sport (LW)	2014-2016	500023-599999	Solihull
Range Rover Sport (LW)	2014-2017	600007-692567	Solihull
Range Rover Sport (LW)	2016-2017	100000-170287	Solihull
Range Rover (LG)	2014-2016	000001-320323	Solihull

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## MARKETS:

NORTH AMERICA

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## CONDITION SUMMARY:

### SITUATION:

The Terrain Response® system may not operate as expected when in 'Auto' mode by not automatically selecting the correct driving mode. As the driving mode changes, the transmission may downshift, the engine Revolutions Per Minute (RPM) may also increase, and/or the 'Auto Stop/Start OFF' warning indicator may illuminate on the Instrument Cluster (IC).

### CAUSE:

This may be caused by a Chassis Control Module (CHCM) software error.

### ACTION:

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

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## PARTS:

No Parts Required

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## TOOLS:



Jaguar Land  
Rover-approved  
Midtronics  
battery power  
supply



Jaguar Land  
Rover-approved  
diagnostic tool  
with latest SDD  
Software  
Management  
Pack



Jaguar Land  
Rover-approved  
diagnostic tool  
with latest  
PATHFINDER  
software

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## WARRANTY:

### NOTE:

Chassis Control Module (CHCM) may also be referred to as Integrated Suspension Control Module (ISCM).

### 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
Chassis Control Module (CHCM) - Software update	64.90.05	0.2	42	LR105419

**NOTE:**

Normal Warranty procedures apply.

DIAGNOSTIC PROCEDURE 'A': SDD

**This Diagnostic Procedure is only for vehicles requiring the Jaguar Land Rover-approved diagnostic tool with Symptom Driven Diagnostics (SDD).**

**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.

- <sup>1</sup> Connect the Jaguar Land Rover-approved Midtronics battery power supply to the vehicle battery.

<sup>2</sup>

**NOTE:**

The Jaguar Land Rover-approved diagnostic tool must be loaded with SDD151.05 Software Management Pack v283 (or later).

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

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- 3 Follow all on-screen instructions, allowing the diagnostic tool to read the VIN, identify the vehicle, and initiating the data collect sequence.
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- 4 If the hyperlink is not available:
    - 1 Select **Diagnosis** from the Session Type screen.
    - 2 Select the **Selected Symptoms** tab.
    - 3 Select one of the following symptoms:
      - **Chassis - Ride and handling optimization - Terrain response**
    - 4 Select **continue**.
    - 5 Select the **Recommendations** tab.
    - 6 Select **Run** to perform the '**Configure existing module - Chassis control module**' option.
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- 5 Follow all on-screen instructions until the application completes successfully.
    - 1 When prompted, select the **Clear DTCs** option following completion of the software download.
    - 2 When all tasks are complete, go to the next Step.
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- 6 Exit the current session.
    - 1 Select the **Session** tab.
    - 2 Select the **Close Session** option.
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- 7 Disconnect the diagnostic tool and battery power supply from the vehicle.

DIAGNOSTIC PROCEDURE 'B': PATHFINDER

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**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 121 (or later).

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

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**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.

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- 4 Select **ECU Diagnostics**.

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5 Select **Chassis Control Module [CHCM]**.

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6 Select **Update ECU**.

1 Follow all on-screen instructions until the application completes successfully.

2 **Vehicles without Dynamic Response:** when all tasks are complete, go to Step 9.

3 **Vehicles with Dynamic Response:** when all tasks are complete, go to Step 7.

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**NOTE:**

Vehicles with Dynamic Response only.

Select **Chassis Control Module 'B' [CHCMB]**.

- Select 'Update ECU'.

- Follow all on-screen instructions to complete this task.

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8 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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9 Exit the current session.

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

2 Select the **Exit** icon.

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10 Disconnect the diagnostic tool and battery power supply from the vehicle.

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