



LTB01171NAS1

# TECHNICAL BULLETIN

04 MAY 2018

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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:

204-05: Vehicle Dynamic Suspension

## SUBJECT/CONCERN:

Suspension Warning Lamp Illuminated With DTC C1A13-64 Stored

## AFFECTED VEHICLE RANGE:

MODEL:	MODEL YEAR:	VIN:	ASSEMBLY PLANT:
Range Rover Sport (LW)	2016	542165-599999	Solihull
Range Rover Sport (LW)	2016-2017	100000-181319	Solihull
Range Rover Sport (LW)	2016-2017	630154-690429	Solihull

MODEL:	MODEL YEAR:	VIN:	ASSEMBLY PLANT:
Range Rover (LG)	2016-2017	243371-380216	Solihull

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**MARKETS:**

NORTH AMERICA

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**CONDITION SUMMARY:****SITUATION:**

The suspension warning lamp may be illuminated on the Instrument Cluster and the air suspension system may not raise or lower. Upon further diagnosis, the Technician may find Diagnostic Trouble Code (DTC) C1A13-64 stored in the Chassis Control Module (CHCM).

**CAUSE:**

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

**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

E192494



Jaguar Land Rover-approved diagnostic tool with latest PATHFINDER software

E208514



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

E179225

**WARRANTY:**

**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
Configure existing Chassis Control Module (CHCM)	85.60.01	0.2	42	LR037070

**NOTE:**

Normal Warranty procedures apply.

## DIAGNOSTIC PROCEDURE 'A': SDD

**This Diagnostic Procedure is only for 2016MY 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 startup 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.

### ⚠ NOTE:

Use the Jaguar Land Rover claims submission system to check for Field Service Action program eligibility requiring a Chassis Control Module (CHCM) software update. If eligible, perform and claim the update as per that program using the latest SDD software.

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

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### ⚠ NOTE:

The Jaguar Land Rover-approved diagnostic tool must be loaded with SDD153.01 Software Management Pack v293 (or later).

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

- 3 Follow all on-screen instructions, allowing the diagnostic tool to read the VIN, identify the vehicle, and initiating the data collect sequence.

- 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:
  - **Electrical - Instruments - Warning lamps - Suspension warning lamp** or
  - **Chassis - Suspension system - Vehicle dynamic suspension - Height - Will not lower** or
  - **Chassis - Suspension system - Vehicle dynamic suspension - Height - Will not raise**
- 4 Run and close the '**Datalogger**' tool to reveal the '**Extras**' tab.
- 5 Select the **Extras** 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

This Diagnostic Procedure is only for 2017MY 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 startup 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.

### NOTE:

Use the Jaguar Land Rover claims submission system to check for Field Service Action program eligibility requiring a Chassis Control Module (CHCM) software update. If eligible, perform and claim the update as per that program using the latest PATHFINDER software.

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

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### NOTE:

The Jaguar Land Rover-approved diagnostic tool must be loaded with PATHFINDER version 158 (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**.

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

- 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.