

TECHNICAL BULLETIN  
 LTB00973NAS1  
 15 JUL 2016



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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.

**SECTION: 419-00**

Remote Function Actuator 'Locks Up' And Requires Hard Reset

**AFFECTED VEHICLE RANGE:**

**Discovery Sport (LC)**

**Model Year:** 2015-2016

**VIN:** 516834-590668

**Assembly Plant:** Halewood

MARKETS:

NAS

**CONDITION SUMMARY:**

**Situation:** The passive unlock/lock function is inoperative and the engine does not start. When this occurs, the use of the emergency key blade is necessary to unlock the vehicle and the emergency start process must be followed for the engine to start.



**NOTE: The Remote Function Actuator (RFA) may also be referred to as Keyless Vehicle Module (KVM). ALL vehicle keys are required prior to replacing the RFA.**

**Cause:** This may be caused because the Remote Function Actuator (RFA) can enter a locked state and will not communicate on the medium speed bus, preventing communication with the Body Control Module (BCM). The new software release will detect the locked state and automatically re-establish communications between the modules.

**Action:** Should a customer express this concern, follow the Service Instruction below.

**PARTS:**



**NOTE: The Remote Function Actuator (RFA) may also be referred to as Keyless Vehicle Module (KVM). ALL vehicle keys are required prior to replacing the RFA.**



**NOTE: Use DDW to confirm vehicle specification: 'Passive Entry/Push Button Start' or 'Push Button Start'.**

LR080744	Remote Function Actuator - Passive Entry Passive Start system (PEPS)	1
LR080756	Remote Function Actuator - Passive Start	1

**TOOLS:**

Jaguar Land Rover-approved diagnostic tool with latest DVD and Calibration File



E179225

Jaguar Land Rover-approved Midtronics battery power supply



E192494

Refer to Workshop Manual/Service Instruction for any required special tools.

### **WARRANTY:**



**NOTE: The Remote Function Actuator (RFA) may also be referred to as Keyless Vehicle Module (KVM). ALL vehicle keys are required prior to replacing the RFA.**



**NOTE: 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 TOPIx to obtain the latest repair time.**



**NOTE: DDW requires the use of causal part numbers. Labor only claims must show the causal part number with a quantity of zero.**

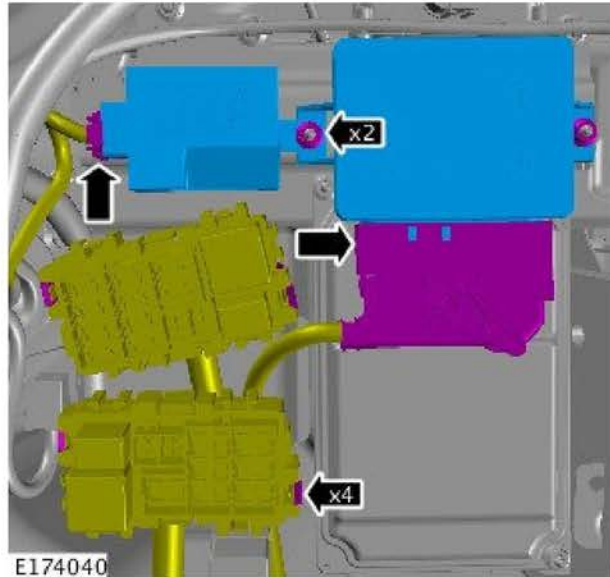
DESCRIPTION	SRO	TIME (HOURS)	CONDITION CODE	CAUSAL PART
Keyless Vehicle Module - Configure	<b>86.90.84</b>	0.2	42	LR080744 (PEPS) / LR080756 (Passive Start)
Module - Keyless entry - Renew	<b>86.26.03</b>	0.9	42	LR080744 (PEPS) / LR080756 (Passive Start)



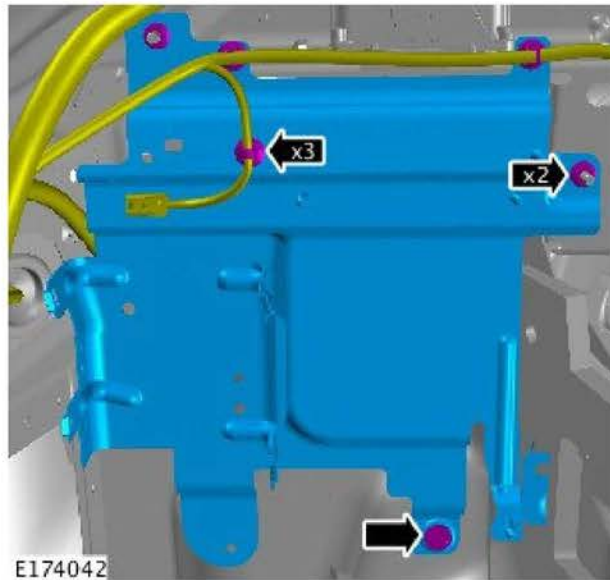
**NOTE: Normal Warranty procedures apply.**

### **SERVICE INSTRUCTION:**

1. Remove the Loadspace Trim Panel (see TOPIx Workshop Manual section 501-05: Interior Trim and Ornamentation - Loadspace Trim Panel).
2. Remove the left-hand Rear Quarter Trim Panel (see TOPIx Workshop Manual section 501-05).
3. Remove the fuse box covers.
  - Remove the fixings.



4. Remove the cover.
  - Remove the fixings.



5.  **NOTE: The Remote Function Actuator (RFA) may also be referred to as Keyless Vehicle Module (KVM).**

Remove the Remote Function Actuator (RFA).

- Remove the connectors.
- Remove the fixings.



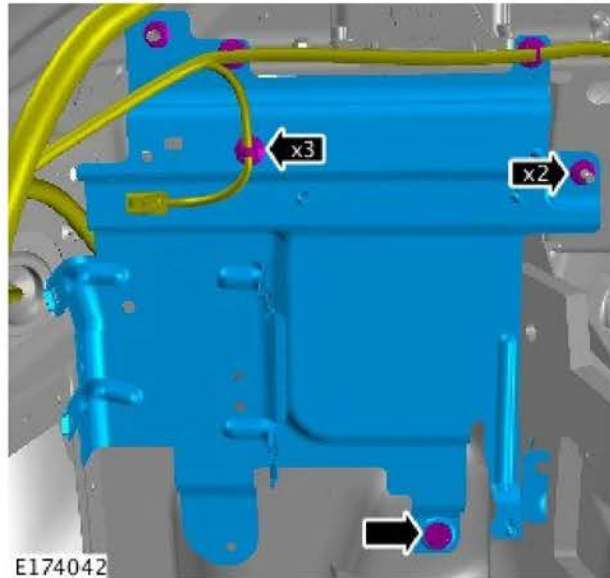
**6. Install the RFA.**

- Install the connectors.
- Install the fixings.
- Torque: **9Nm**



**7. Install the cover.**

- Install the fixings.
- Torque: **9Nm**



**8.** Install the fuse box covers.

- Install the fixings.
- Torque: **9Nm**



**9.** Install the Rear Quarter Trim Panel (see TOPIx Workshop Manual section 501-05).

**10.** Install the Loadspace Trim Panel (see TOPIx Workshop Manual section 501-05: Interior Trim and Ornamentation - Loadspace Trim Panel).

**⚠ CAUTION:** A Jaguar Land Rover-approved Midtronics battery power supply must be connected to the vehicle battery during diagnosis / module programming.

**⚠ CAUTION:** Ensure all ignition ON/OFF requests are carried out; failure to perform these steps may cause damage to control modules in the vehicle.

**⚠ NOTE:** The Jaguar Land Rover-approved diagnostic tool must be loaded with DVD146.03 v.244 or later.

**⚠ NOTE:** The Jaguar Land Rover-approved diagnostic tool must be activated for connectivity with Jaguar Land Rover Calibration and As-Built file servers, and have a live internet connection.



**NOTE: SDD will prompt the user to download one or more files during this procedure on every vehicle attempted, all prompts to perform a file download MUST be executed.**

11. Connect the Jaguar Land Rover-approved Midtronics battery power supply to the vehicle battery.
12. Turn ignition ON (engine not running).
13. Connect the Jaguar Land Rover-approved diagnostic tool to the vehicle and begin a new session.
14. Follow the on-screen prompts, allowing the diagnostic tool to read the VIN, identify the vehicle, and initiating the data collect sequence.
15. Select **Service Functions** from the Session Type screen.
  - Allow the data collection process to complete.
16. Select the **Recommendations** tab.
17. Select **Run** to perform the **Configure new module - Keyless vehicle module** option.
18. When prompted to download files, the download prompts must not be cancelled.
19. Follow all on-screen instructions to complete this task, ensuring all Diagnostic Trouble Codes (DTC) are cleared.
20. When all tasks are complete, select the **Session** tab and then select the **Close Session** option.
21. Disconnect the diagnostic tool and battery power supply from the vehicle.