

TECHNICAL BULLETIN

LTB00490NAS1

01 OCT 2012



SECTION: 419

'Hood Open' Message Displayed with Hood Closed

AFFECTED VEHICLE RANGE:

Range Rover (LM)

VIN: AA304426 – CA393639
Model Year: 2010 - 2012

CONDITION SUMMARY:

Situation: A 'Hood Open' message may be displayed in the instrument cluster message center and a warning chime may sound with the hood closed. An audible mis-lock warning or a false trigger of the vehicle security system may also occur.

Cause: This may be caused by a concern with the hood switch bracket, hood switch, or bulkhead panel position.

Action: In the event of a customer concern of the above, refer to the Repair Procedure outlined below.

PARTS:

LR018295..... Hood switch bracket Qty: 1
YUE000161 Hood switch Qty: 1

TOOLS:

Refer to Workshop Manual for any required special tools

WARRANTY:

△ **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 DDW to obtain the latest repair time.

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
Check And Adjust The Bulkhead	05.10.10	0.10	42	YUE000162
Switch - Hood - Alarm system Renew	86.77.20	0.10	42	YUE000162
Switch Bracket - Hood - Alarm system - Renew	86.77.25	0.10	42	YUE000162
Read 'Alarm Trigger History' Using Diagnostic Equipment	05.10.01	0.10	42	YUE000162

Normal Warranty policies and procedures apply

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.

REPAIR PROCEDURE

1. Review the alarm trigger history using Symptom Driven Diagnostics (SDD).
 - If the hood switch activation is featured, continue to next step.
 - If the hood switch activation is not featured, continue with the diagnosis as guided by SDD.
2. Visually check the hood profile to ensure it is correctly aligned.
3. Ensure the hood is mechanically latching correctly.

△ **NOTE:**

- **If the VIN is AA304426 - AA311628 and has not previously been fitted with a replacement hood switch bracket, continue to step 4.**
- **If the VIN is AA311627 – CA393639, continue to step 5.**

4. Replace the hood switch bracket.
 - Test the hood switch is operating correctly.

△ **NOTE: When the plunger is released, it must be released slowly as a fast release will cause the plunger to set in the service mode latched position, and the electrical pins 1 and 3 in connector C0007 will read as an open circuit.**

5. With the switch in the hood open position (plunger at rest position), electrical pins 1 and 3 in connector C0007 should be a closed circuit.
6. Depress the plunger and the electrical state should become an open circuit through the full length of travel of the plunger. On release of the plunger, the switch should return to a closed circuit.

△ **NOTE: The service position is normally 2mm -3mm after the hood open rest position. An audible 'click' may be heard when the switch enters the service position.**

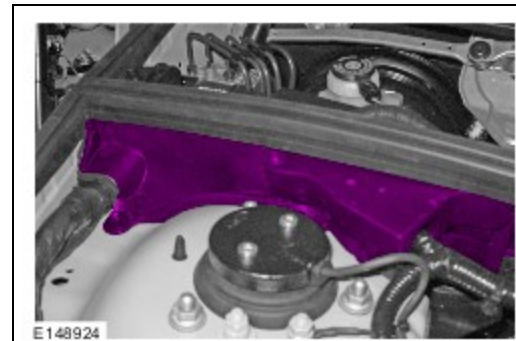
7. Pull the hood switch in a vertical direction as far as it will travel so that it is in the latched service mode position. Electrical pins 1 and 3 in connector C0007 should read open circuit.
 - If the hood switch has passed the above test continue to step 8.
 - If the hood switch fails the test or there are signs of mechanical damage, replace the hood switch and then continue to next step 8.

△ **NOTE:** The next step involves checking the bulkhead panel position to which the hood switch and bracket are mounted. Incorrect positioning will affect the operation of the hood switch.

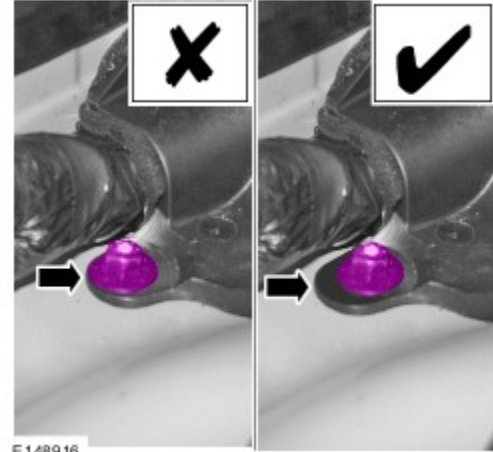
⚠ **CAUTION:** Note that the bulkhead panel may crack if excessive effort is applied.

8. Adjust the bulkhead panel:

- Loosen the 2 fixings to give approximately 3 mm of clearance between the base of the nut and bulkhead panel.
- Carefully pull the bulkhead panel towards the front of the vehicle as far as the fixings will allow (note that the bulkhead panel may crack if excessive effort is applied).
- Hold the panel firmly in position while the fixings are re-torqued.
- Following the adjustment of the bulkhead panel, re-check the operation of the hood switch to ensure correct functionality.



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