

TECHNICAL BULLETIN  
LTB00443NAS1  
30 SEP 2013



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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: 413-06**

Additional Force Required To Operate The Horn

**AFFECTED VEHICLE RANGE:**

**LR4 (LA)**

**Model Year:** 2010 Onwards  
**VIN:** AA510742 Onwards

**Range Rover Sport (LS)**

**Model Year:** 2010-2013  
**VIN:** AA212147-DA814822

**Range Rover (LM)**

**Model Year:** 2010-2012  
**VIN:** AA304426-CA393639

**MARKETS:**

NAS

**CONDITION SUMMARY:**

**Situation:** Additional force may be required to operate the horn.

**Cause:** This may be caused by the contacts in the horn pad.

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

**PARTS:**



**NOTE: For horn switch part numbers, please refer to MicroCat.**

LR040238      Horn suppression kit      Quantity: 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 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
Horn switch harness modification - LR4,	86.71.89/45	0.90	42	LR030358

Range Rover Sport				
Horn switch harness modification - Range Rover	<b>86.71.89/45</b>	0.70	42	LR015173



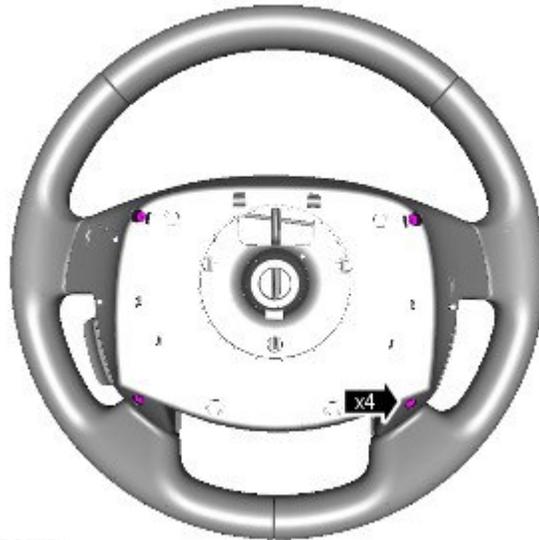
**NOTE: Normal Warranty policies and procedures apply.**

## **SERVICE INSTRUCTION:**

### **Steps 1-15: LR4, Range Rover Sport only**

1. **NOTE: Driver air bag module shown removed for clarity.**

Rotate the steering wheel to allow access to the four (4) Torx bolts on the horn switches.



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2. **CAUTION: Do NOT connect the battery negative (-) cable until step 15.**

Remove the driver air bag module (see TOPIx Workshop Manual, Section 501-20B).

3. Remove the four (4) Torx bolts.

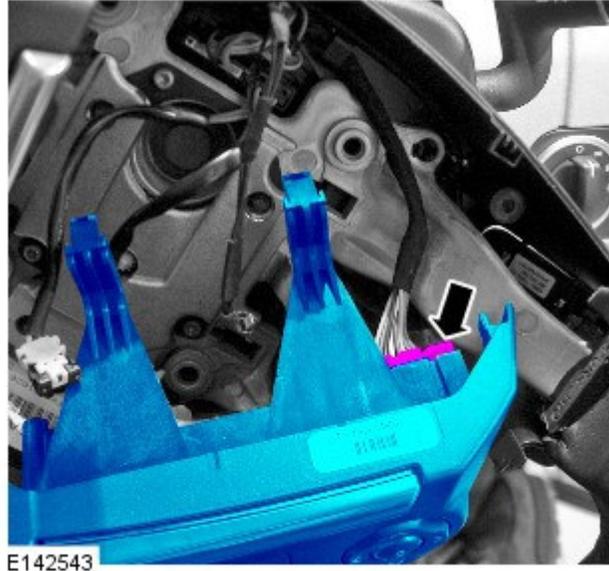


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4.  **CAUTION: Note the fitted position of the component prior to removal.**

Remove the right-hand (RH) horn switch assembly.

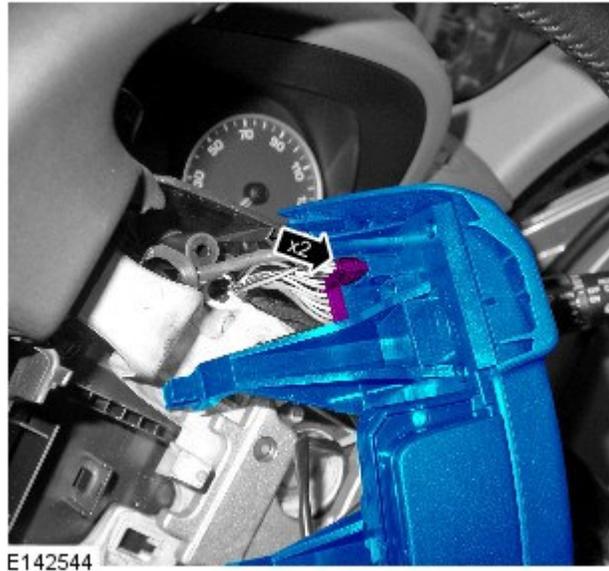
- Disconnect the electrical connector.



5.  **CAUTION: Note the fitted position of the component prior to removal.**

Remove the left-hand (LH) horn switch assembly.

- Disconnect the two (2) electrical connectors.



6.  **NOTE: The new LH horn switch may be equipped with a link lead; this can be removed and discarded.**

Install the RH and LH horn switches:

- Reverse steps 3-5.
- Tighten the four (4) Torx bolts to 6 Nm.



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7.  **CAUTION: Do NOT connect the battery negative (-) cable during this step.**

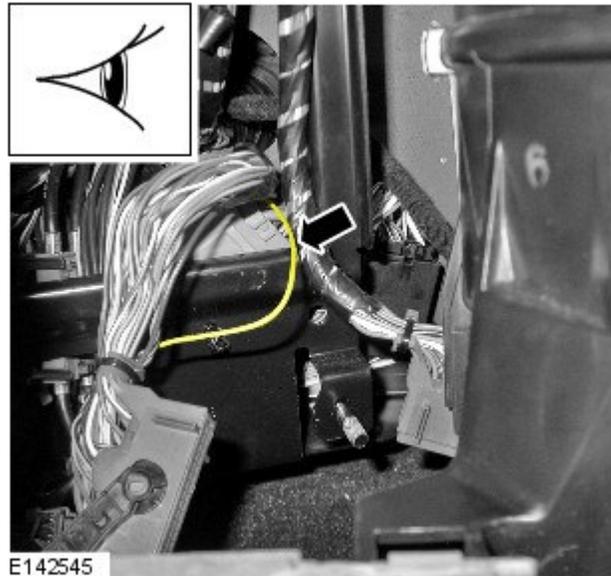
Install the driver air bag module (see TOPIx Workshop Manual, Section 501-20B).

8.  **CAUTION: Make sure that the battery negative (-) cable is disconnected.**

Remove the Central Junction Box (CJB) (see TOPIx Workshop Manual, Section 418-00).

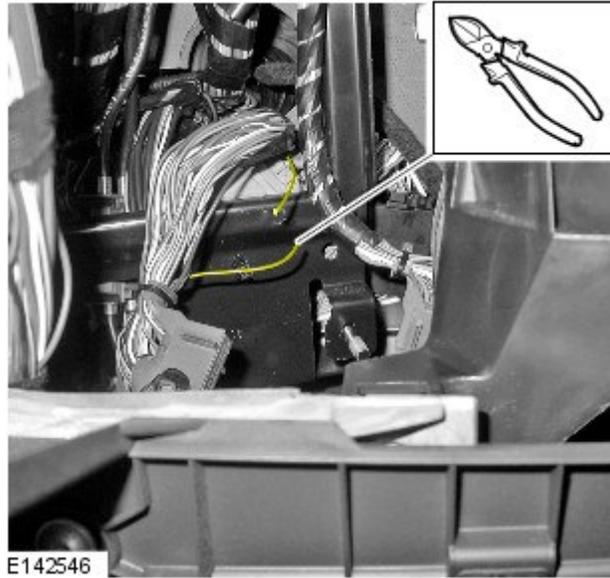
9. Identify the wire to be cut (see TOPIx Electrical Reference Library).

- Connector - C0584; Pin - 28; Color - Brown/Green (NG)
- Release the insulating tape to allow access to the wire.



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10. Using a suitable tool, cut the wire approximately 50mm from the connector.

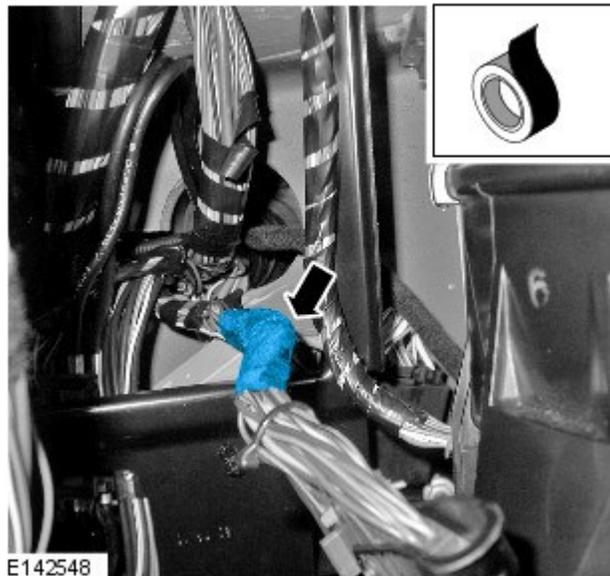


- 11. ⚠ CAUTION: Make sure that the surrounding components and trim are suitably protected when using the heat gun; failure to follow this instruction may result in damage to the vehicle.**

**⚠ CAUTION: Make sure that the exposed ends of the cut wire are fully insulated with the heat shrink.**

Using a suitable heat gun, install a piece of heat shrink to the each end of the exposed wire.

- 12.** Using a suitable tape, secure the ends of the wires to the existing harness.



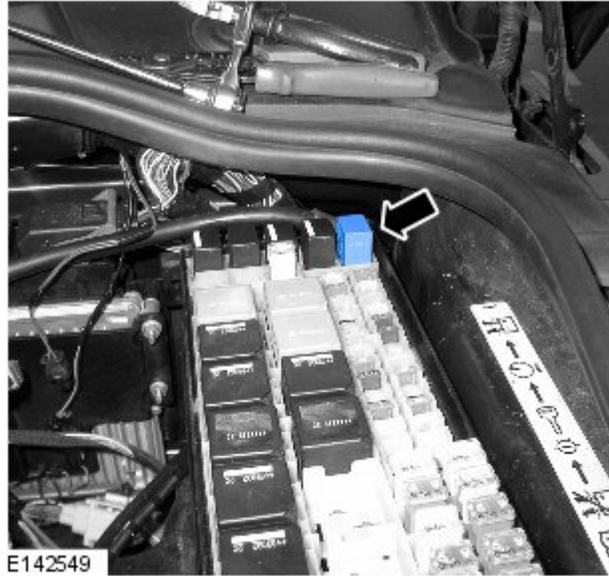
- 13. ⚠ CAUTION: Do NOT connect the battery negative (-) cable during this step.**

Install the CJB (see TOPIx Workshop Manual, Section 418-00).

- 14.** Replace the horn relay:

- Remove the engine fuse box cover.

- Remove and discard relay R5.
- Install the new relay.
- Install the engine fuse box cover.



15. Connect the battery negative (-) cable.

**Steps 16-32: Range Rover only.**

16. Open the lower glove compartment.

17.  **CAUTION: Do NOT connect the battery negative (-) cable during this step.**

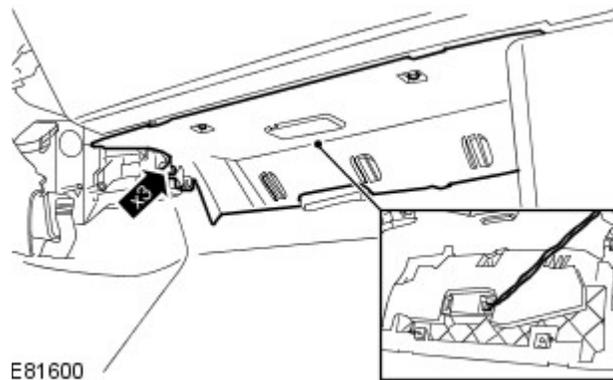
Replace both horn switches (see TOPIx Workshop Manual, Section 413-06).

18. Remove the cowl side trim panel (see TOPIx Workshop Manual, Section 501-05).

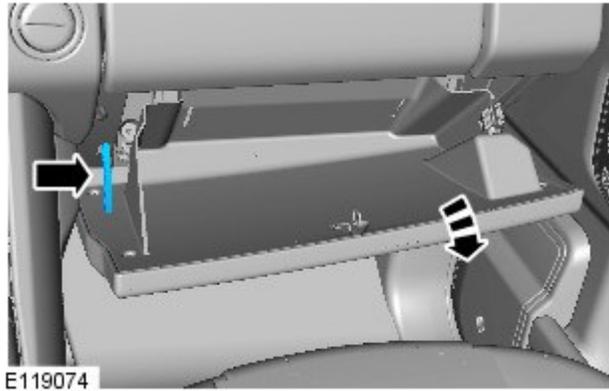
19. Remove the floor console trim panel (see TOPIx Workshop Manual, Section 501-12).

20. Remove the passenger side closing trim panel.

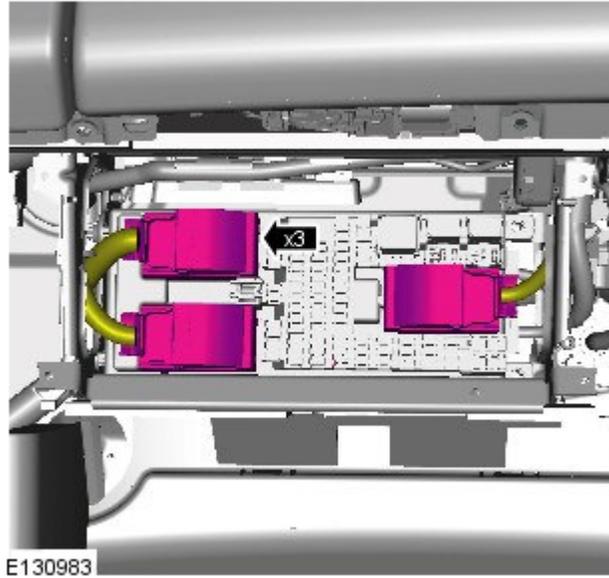
- Remove the three (3) screws.
- Disconnect the footwell lamp electrical connector.



21. Open the lower glove compartment to the service position.

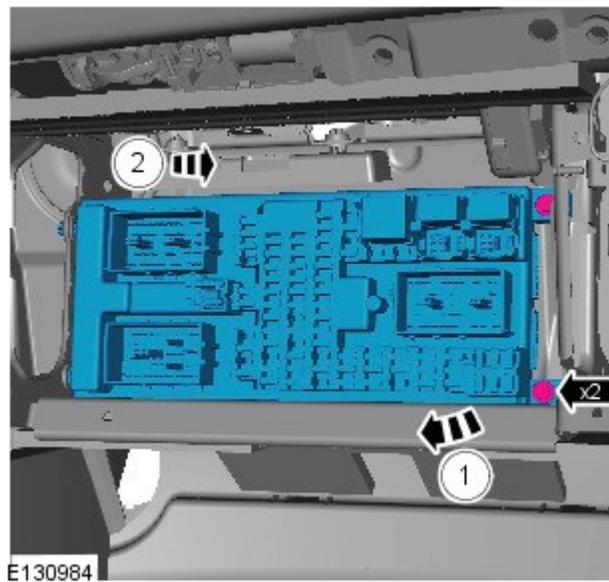


22. Release the three (3) connectors.

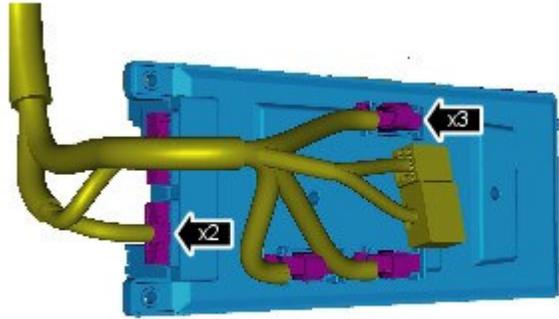


23. Reposition the Central Junction Box (CJB).

- Remove the two (2) bolts.



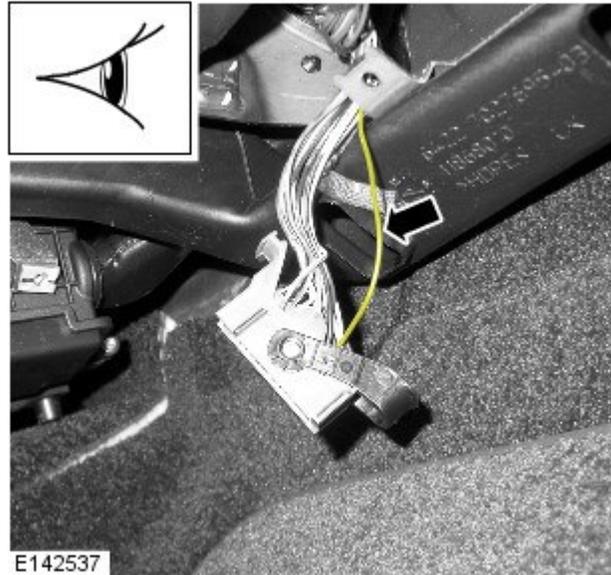
24. Disconnect the electrical connectors.



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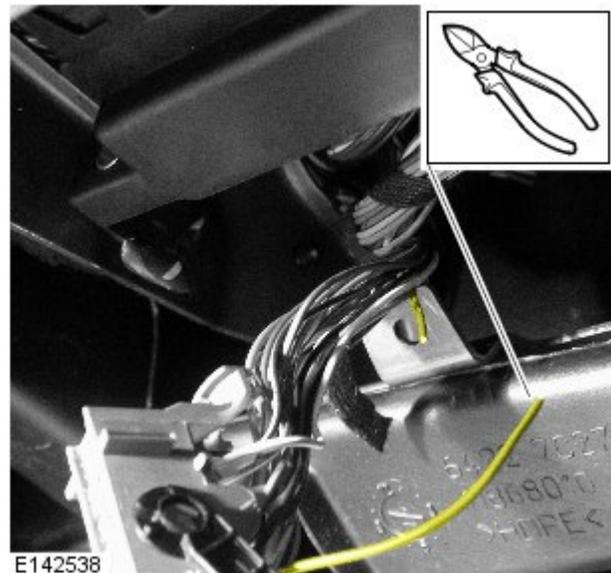
25. Identify the wire to be cut (see TOPIX Electrical Reference Library).

- Connector - C0584; Pin - 28; Color - Brown/Red (NR)
- Release the insulating tape to allow access to the wire.
- Remove and discard the tie strap from the connector.



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26. Using a suitable tool, cut the wire approximately 50mm from the connector.



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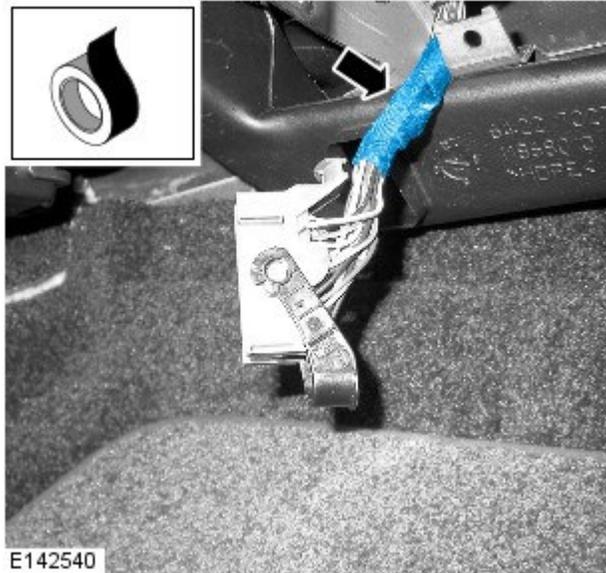
27.  **CAUTION:** Make sure that the surrounding components and trim are suitably protected when

using the heat gun; failure to follow this instruction may result in damage to the vehicle.

**⚠ CAUTION: Make sure that the exposed ends of the cut wire are fully insulated with the heat shrink.**

Using a suitable heat gun, install a piece of heat shrink to the each end of the exposed wire.

**28.** Using a suitable tape, secure the ends of the wires to the existing harness.



**29.** Using a suitable tie strap, secure the harness to the connector.



**30. ⚠ CAUTION: Do NOT connect the battery negative (-) cable during this step.**

Install the CJB:

- Reverse steps 18-24.
- Tighten to CJB bolts to 10 Nm.

**31.** Replace the horn relay:

- Remove the engine fuse box cover.
- Remove and discard relay R8.
- Install the new relay.
- Install the engine fuse box cover.



**32.** Connect the battery negative (-) cable.