

TECHNICAL BULLETIN
LTB00648NAS2
26 JAN 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.

This reissue replaces all previous versions. Please destroy all previous versions.

Changes are highlighted in gray

SECTION: 418-02

Harness Repair Terminal Block C44-R2

AFFECTED VEHICLE RANGE:

Range Rover (LG)

Model Year: 2013-2014
VIN: 108006-127685
Assembly Plant: Solihull

MARKETS:

NAS

CONDITION SUMMARY:

Situation: The following symptoms may occur:

- engine will not start;
- Touch Screen inoperative;
- windows inoperative;
- seats in inch mode; and/or
- climate control panel not illuminated or non-responsive.

Cause: These may be caused by terminal block C44-R2 pins having poor continuity.

Action: If during diagnosis of the issue terminal block C44-R2 is suspected to have poor continuity, follow the service instruction outlined below. If during diagnosis of the issue terminal block C44-R2 is not suspected to have poor continuity, continue with diagnosis with reference to Symptom Driven Diagnostics and TOPIX

PARTS:



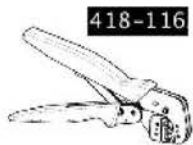
NOTE: each of the part number is supplied in packs containing ten or more pieces sufficient for several vehicles.



NOTE: all four terminals may not require replacing; only use the quantity of terminals required for the repair.

418107	Splice joint connector	Quantity: 4
41841145	Repair terminal	Quantity: 4
418112	Identification sleeve	Quantity: 4

TOOLS:

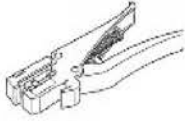


E164242

Crimping pliers
418-116A

Insulation stripper
418-117

418-117



E164243

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.

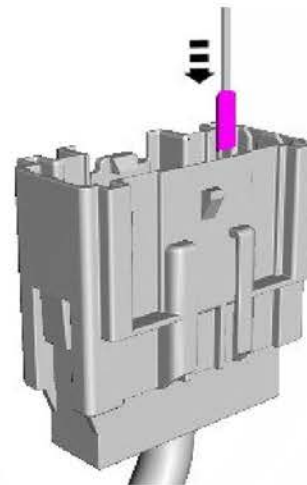
DESCRIPTION	SRO	TIME (HOURS)	CONDITION CODE	CAUSAL PART
Harness - Tailgate - Repair	86.71.89.51	1.8	42	LR046858

△ **NOTE:** Normal Warranty procedures apply.

CONNECTOR TEST

To be performed as part of step 19 (2013MY only) or step 21 (2014MY only).

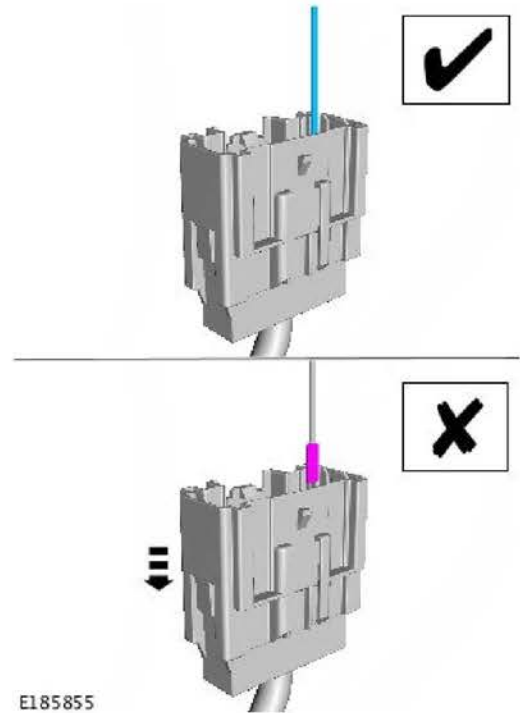
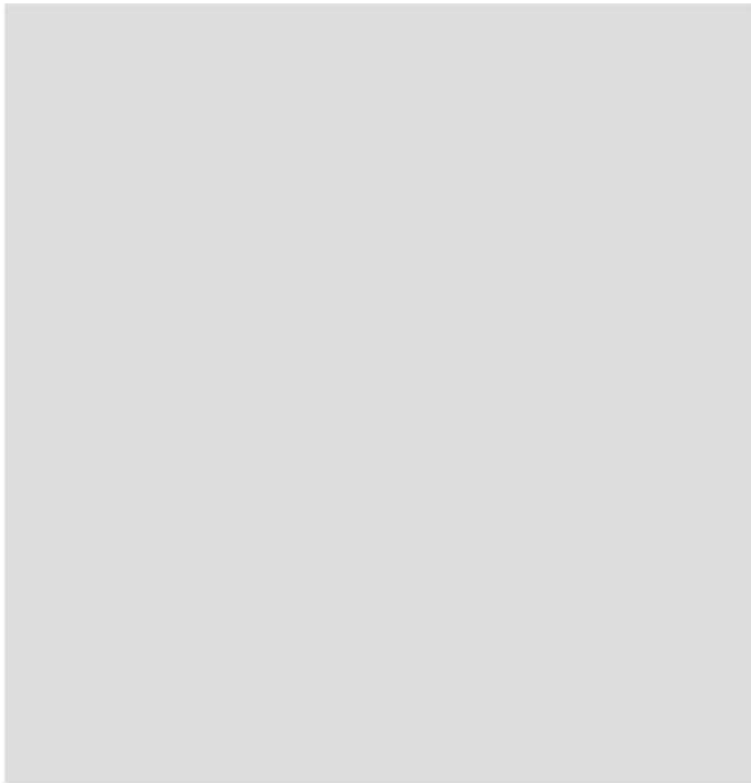
1 With the connector in a vertical position, install a terminal from the terminal repair kit.



E185854

2 Hold the terminal and support the weight of the connector and harness.


- If the terminal holds in the connector (✓), the terminal is good.
- If the terminal separates from the connector (✗), the terminal in the connector must be replaced.



SERVICE INSTRUCTION:

 **NOTE: removal steps in this Service Instruction may contain installation details.**

1 Remove the Sun Visor (see TOPIx Workshop Manual, section 501-05: Interior Trim and Ornamentation).

2  **NOTE: this step must be carried out on both sides.**


Remove both A-pillar trim panels (see TOPIx Workshop Manual, section 501-05: Interior Trim and Ornamentation).

3  **NOTE: this step must be carried out on both sides.**

Remove both B-pillar trim panels (see TOPIx Workshop Manual, section 501-05: Interior Trim and Ornamentation).

4  **NOTE: this step must be carried out on both sides.**

Remove both C-pillar trim panels (see TOPIx Workshop Manual, section 501-05: Interior Trim and Ornamentation).

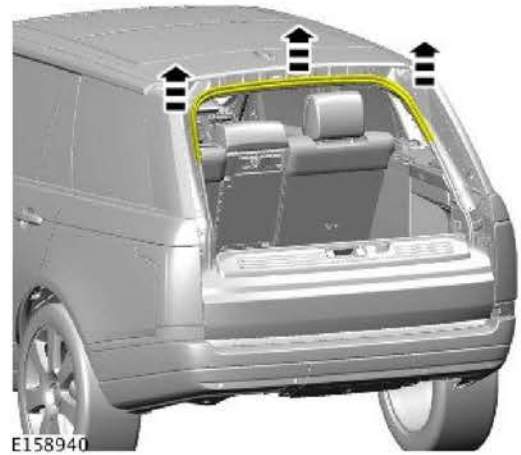
5  **NOTE: this step must be carried out on both sides.**

Remove both D-pillar trim panels (see TOPIx Workshop Manual, section 501-05: Interior Trim and Ornamentation).


6 Remove the overhead console (see TOPIx Workshop Manual, section 501-12: Instrument Panel and Console).

7  **NOTE: note the orientation of the seal prior to detaching.**

Reposition the tailgate seal.

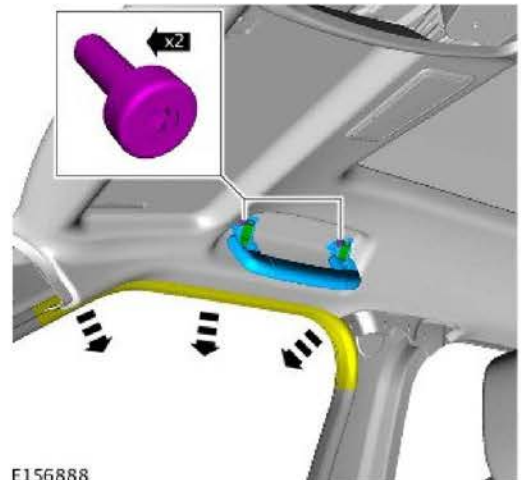


E158940


8  **NOTE: this step must be carried out on both sides.**

Remove the roof handle and position the front door seal to one side.

- Torque: 6 Nm

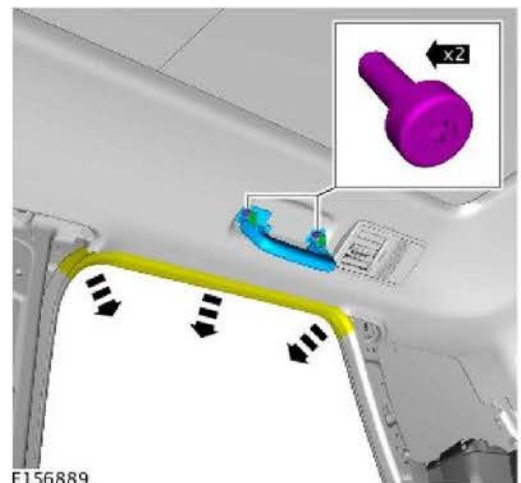


E156888


9  **NOTE: this step must be carried out on both sides.**

Remove the roof handle and position the rear door seal to one side.

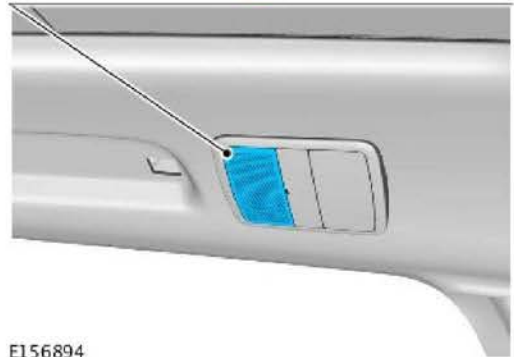
- Torque: 6 Nm



E156889

10  **NOTE: this step must be carried out on both sides.**

Remove the interior lamp cover.

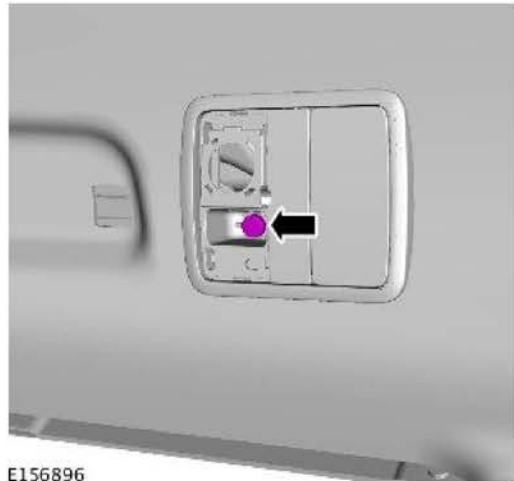


E156894

11  **NOTE: this step must be carried out on both sides.**

Remove the interior lamp cover retaining bolt.

- Torque: 6 Nm

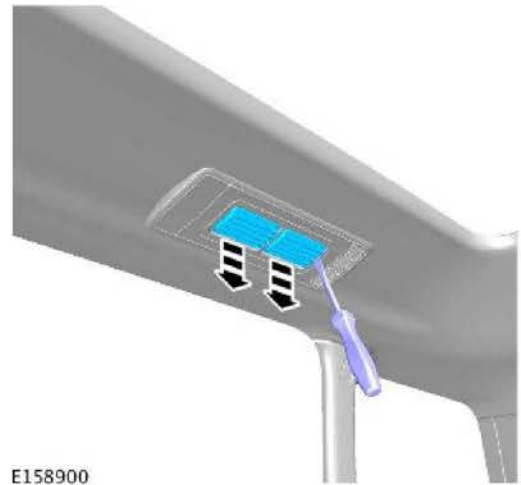


E156896


12  **NOTE: this step must be carried out on both sides.**

 **NOTE: only if equipped.**

Remove the roof air vents.



E158900

13  **NOTE: this step must be carried out on both sides.**

 **NOTE: If equipped.**

Remove the roof air vent fixings.

- Torque: 6 Nm



E148610

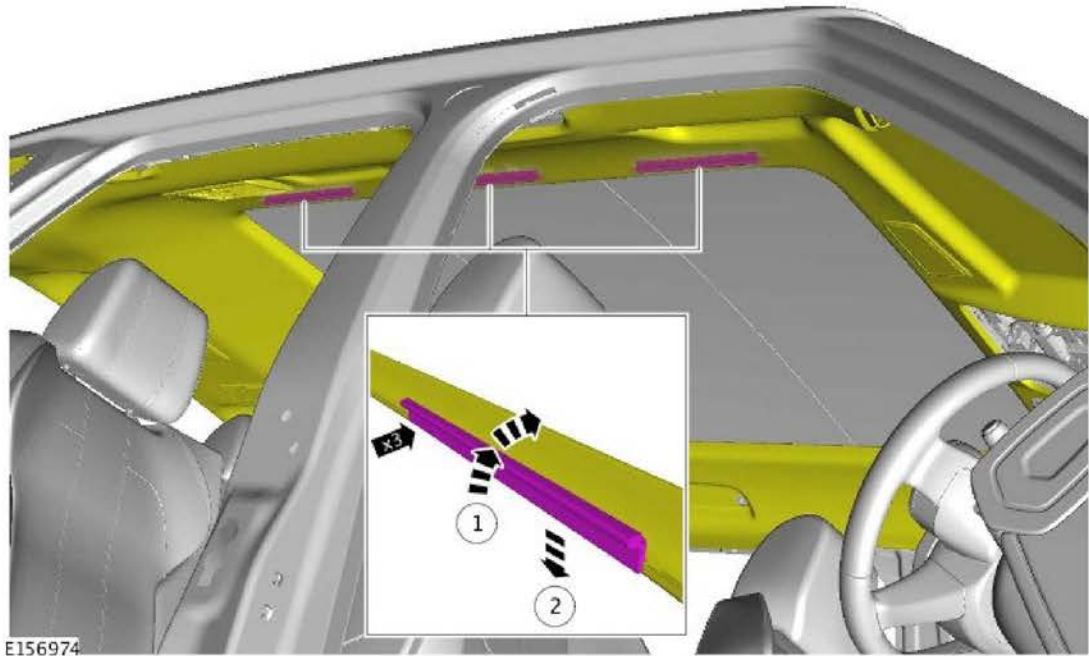
14  **CAUTION: take extra care not to damage the component.**

 **NOTE: right-hand drive shown; left-hand drive similar.**

 **NOTE: this step must be carried out on both sides.**

 **NOTE: only if equipped.**

Detach the headliner retainers as illustrated.

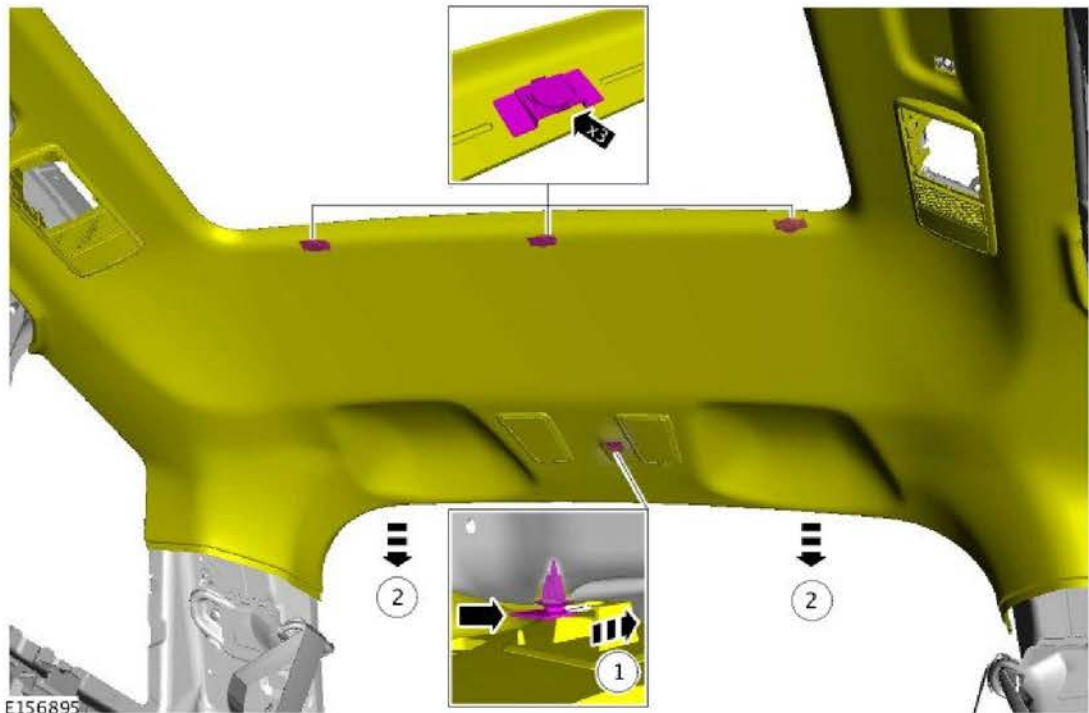


E156974

15 **CAUTION:** take extra care not to damage the component.

CAUTION: using a suitable plastic trim tool, release the magnetic fixings.

CAUTION: make sure that there is at least 50mm clearance between the magnetic fixings and the headliner during the removal procedure. The fixings will engage if too close to each other.

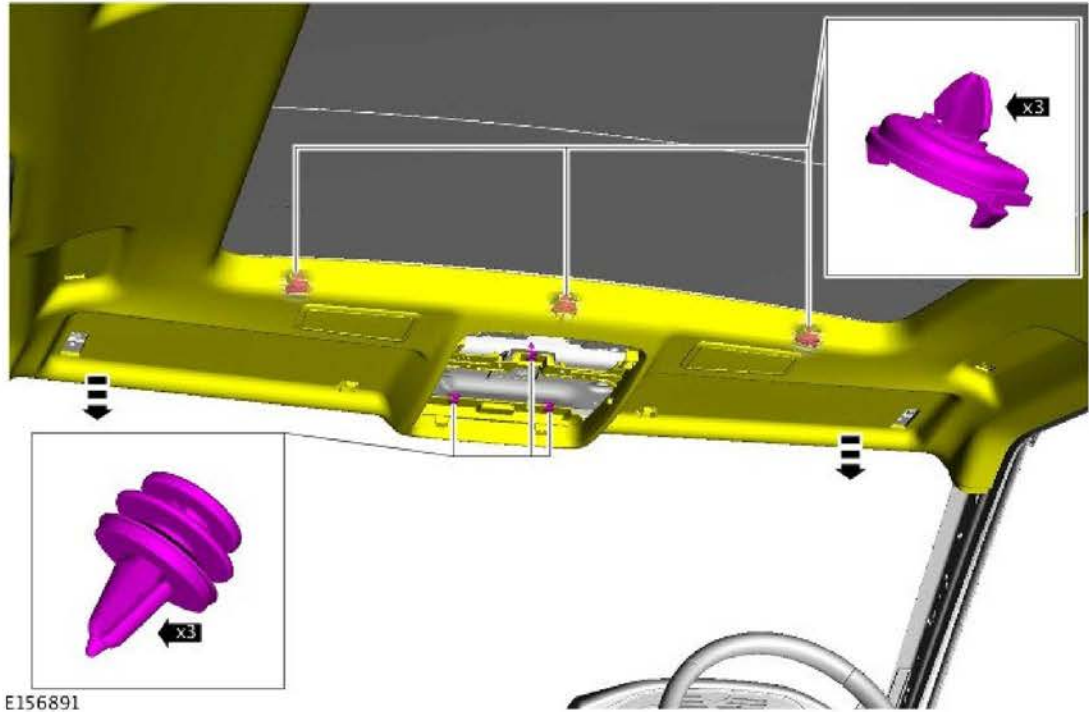


E156895

Remove the headliner retaining

clips as shown.

- 16 Remove the headliner retaining clips as illustrated.

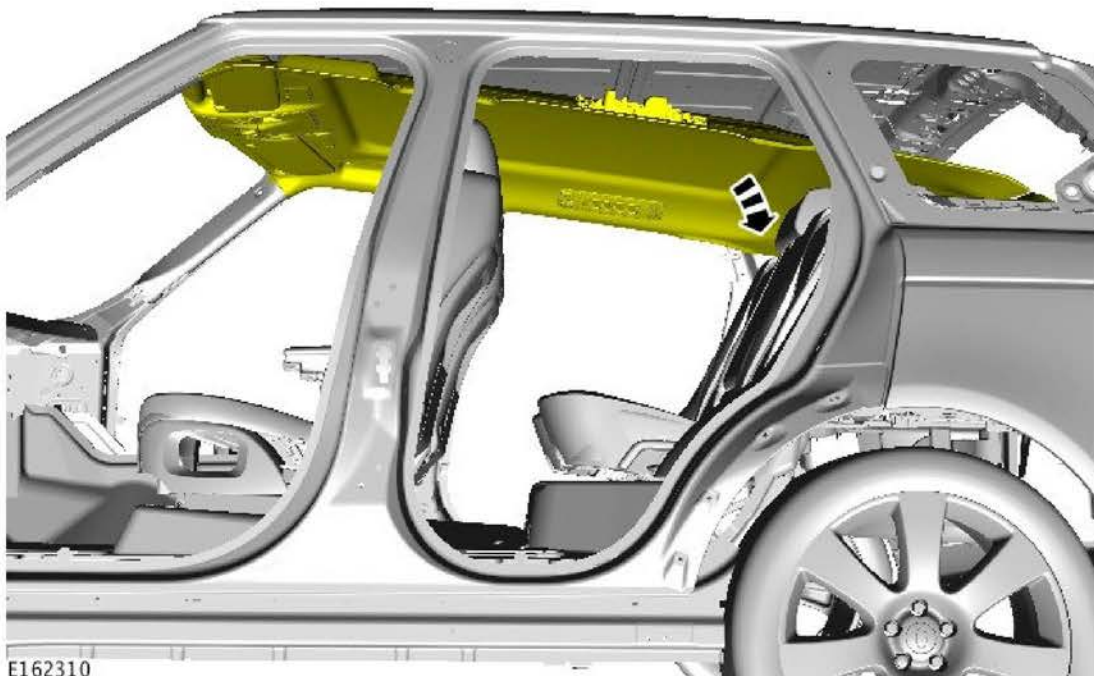


E156891

- 17  **CAUTION:** take extra care not to damage the component.

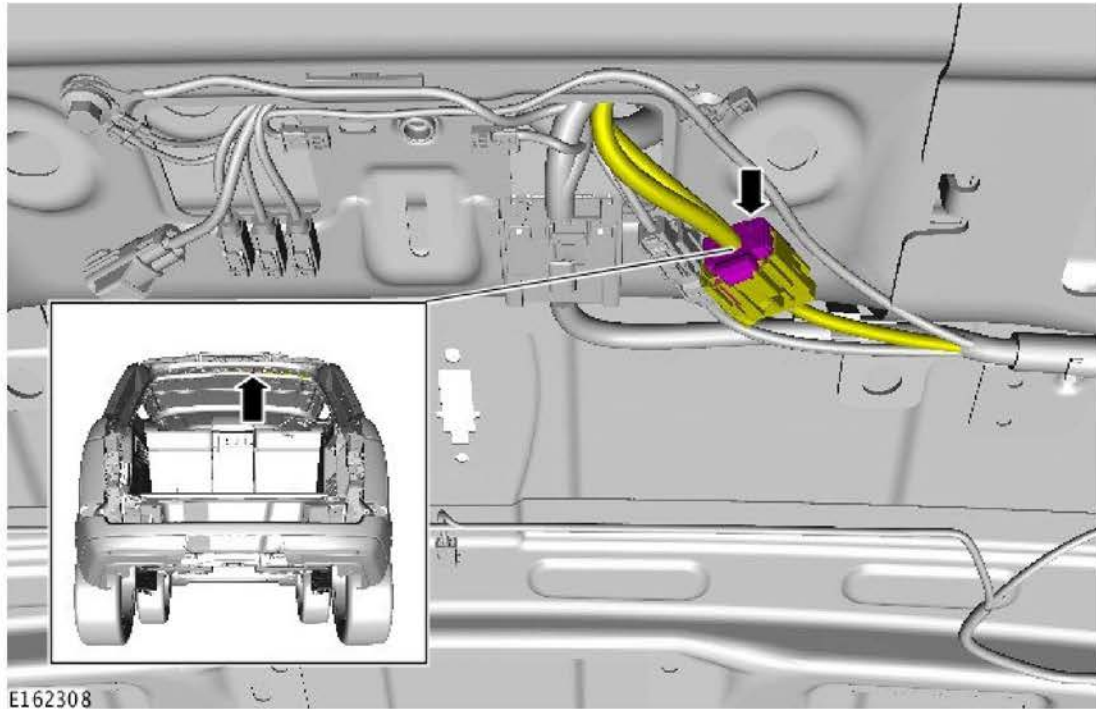
 **NOTE:** right-hand drive shown; left-hand drive similar.

Lower the headliner.



E162310

- 18 Disconnect the electrical connector C44-R2 from C44-R1.




E162308

Steps 19-20: 2013MY vehicles only.

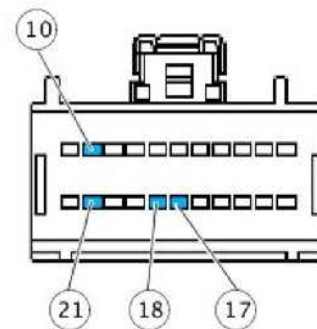
19 Remove the terminals in the positions 10, 17, 18, and 21 and carry out a pin drag test with each corresponding terminal of connector C44-R1 as per the Connector Test.

- If the connector fails (✗), the terminal in the connector must be replaced.
 - Continue to step 20.
- If the connector passes (✓), the terminal is good.
 - Refit the original terminals to connector C44-R2 and carry out a continuity test across the two connectors.
 - If the connector has good continuity, continue with further diagnosis with reference to TOPIx and the Jaguar Land Rover-approved diagnostic tool.
- If any of the terminals show no sign of resistance to movement during the test,
 - Continue to step 23.

20  **CAUTION: repair only one wire at a time to reduce the chance of incorrect wiring of the harness.**

Carry out the wiring repair (see TOPIx Workshop Manual, section 418-02: Wiring Harnesses).

- Remove any terminals found to be faulty by diagnosis in step 19 and install a new terminal as required (41841145). Make sure a sufficient length of wire is left on the electrical harness so the new terminal can be installed correctly using the recommended splice connector (418107).
- Make sure the correct black identification sleeve (418112) is fitted to the new terminal.
- Continue to step 23.



E162309

Steps 21-22: 2014MY vehicles only.

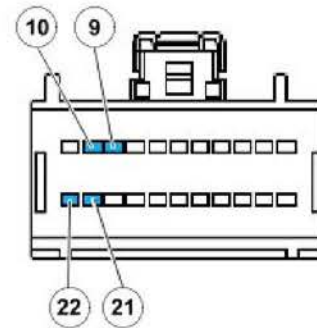
21 Remove the terminals in the positions 9, 10, 21, and 22 and carry out a pin drag test with each corresponding terminal of connector C44-R1 as per the Connector Test.

- If the connector fails (✗), the terminal in the connector must be replaced.
 - Continue to step 22.
- If the connector passes (✓), the terminal is good.
 - Refit the original terminals to connector C44-R2 and carry out a continuity test across the two connectors.
 - If the connector has good continuity, continue with further diagnosis with reference to TOPIx and the Jaguar Land Rover-approved diagnostic tool.
 - Continue to step 23.

22  **CAUTION: repair only one wire at a time to reduce the chance of incorrect wiring of the harness.**

Carry out the wiring repair (see TOPIx Workshop Manual, section 418-02: Wiring Harnesses).

- Remove any terminals found to be faulty by diagnosis in step 21 and install a new terminal as required (41841145). Make sure a sufficient length of wire is left on the electrical harness so the new terminal can be installed correctly using the recommended splice connector (418107).
- Make sure the correct black identification sleeve (418112) is fitted to the new terminal.



E185733

Steps 23-24: all vehicles.

23 Install connector C44-R2 to C44-R1 and check for correct continuity across the connector before continuing.

24 To install, reverse steps 1-17.