

LTB00827NAS6

TECHNICAL BULLETIN

08 DEC 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.

INFORMATION

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

Changes are highlighted in blue

SECTION:

501-29

SUBJECT/CONCERN:

Tick / Creak Noise From 'B' pillar Area

AFFECTED VEHICLE RANGE:

MODEL:	MODEL YEAR:	VIN:	ASSEMBLY PLANT:
Discovery Sport (LC)	2015 Onwards	500429 Onwards	Halewood

MARKETS:

NAS

CONDITION SUMMARY:

SITUATION:

A 'tick' / 'creak' noise may be evident from the 'B' pillar area.

CAUSE:

This may be caused by the 'B' pillar panel clearance being incorrect.

ACTION:

Should a customer express this concern, follow the necessary Service Instruction(s) below.

PARTS:

PART NUMBER	DESCRIPTION	QUANTITY:
LR066989	Panoramic roof clips	7
LR078366	Rear headliner clips	1
LR006101	Overhead console clips	2
LR013135	Lantern clips	3
LR036129	Metal clips	2
LR031782	'C' pillar metal clips	5
LR043932	Blind rivet - 6.5 X 23.7	3

WARRANTY:

NOTE:

An allowance equivalent approximately \$48.60 USD has been allocated for locally sourcing of paint and materials; claim using ZZZ001.

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 TOPIx 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
'B' pillar panel rework - Left - Repair	76.11.61	0.1	12	LR061697
'B' pillar panel rework - Right - Repair	76.11.62	0.1	12	LR061697
'B' pillar panel rework - Pair - Repair	76.11.63	0.2	12	LR061697
'B' pillar upper panel 'tick' - Pair - Repair	76.10.89.24	0.8	12	LR061697
'B' pillar upper panel 'tick' - Left - Repair	76.10.89.23	0.4	12	LR061697
'B' pillar upper panel 'tick' - Right - Repair	76.10.89.21	0.4	12	LR061697
'B' pillar spot weld - Left - Repair	76.11.64	0.1	12	LR061697
'B' pillar spot weld - Right - Repair	76.11.65	0.1	12	LR061697
'B' pillar spot weld - Pair - Repair	76.11.66	0.2	12	LR061697
'B' pillar upper panel 'creak' - Pair - Repair	76.10.89.25	5.3	12	LR061697
Cant rail panel 'creak' noise - Left - Repair	76.11.46	0.3	12	LR061697
Cant rail panel 'creak' noise - Right - Repair	76.11.47	0.3	12	LR061697
Cant rail panel 'creak' noise - Pair - Repair	76.11.48	0.4	12	LR061697
Seatbelt anchor - Repair	76.10.89.15	0.2	12	LR061697

NOTE:

Normal Warranty procedures apply.

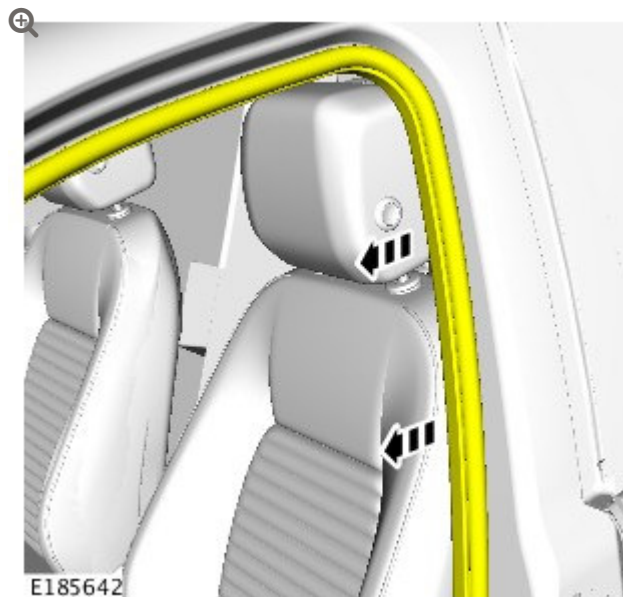
SERVICE INSTRUCTION:

'B' Pillar panel rework

1

NOTE:

Repeat this step on both sides of the vehicle if required.



Move aside the front door weatherstrip from the 'B' Pillar.

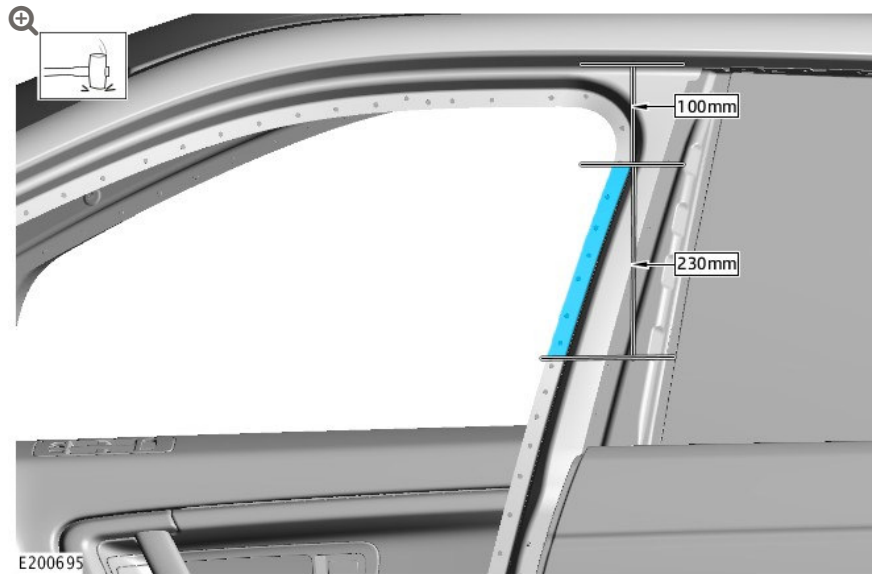
2

CAUTION:

Make sure the area/suitable tool is protected to avoid damaging the vehicles paint.

NOTE:

Repeat this step on both sides of the vehicle if required.

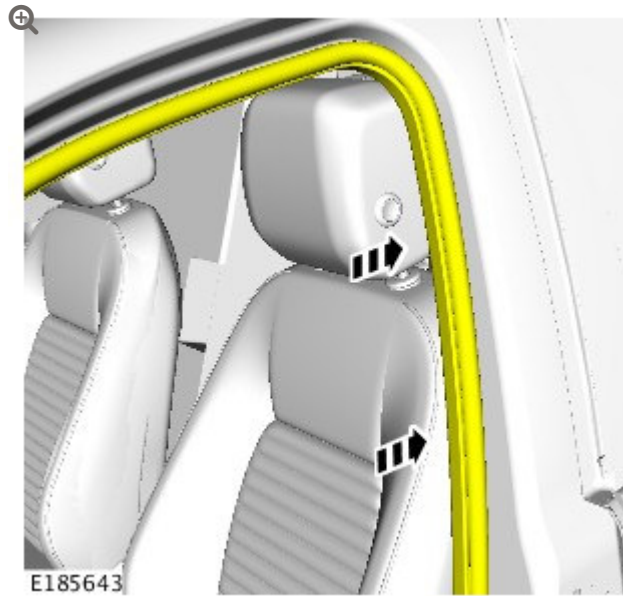


Using a suitable tool with as much force as can safely be applied, strike the panel inwards over the area shown.

3

NOTE:

Repeat this step on both sides of the vehicle if required.



Install the front door weatherstrip to the 'B' Pillar.

- 4 Road test the vehicle.
 - If the noise **cannot** be heard, return the vehicle to the Customer.
 - If the noise **can** still be heard continue from Step 5 of this Service Instruction.

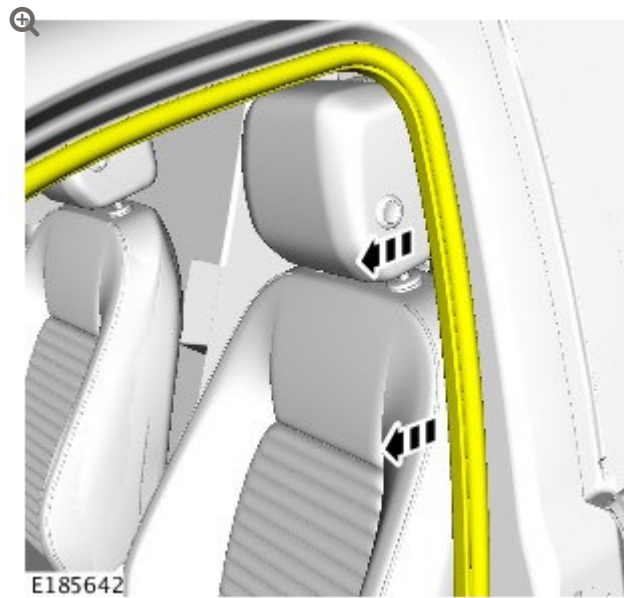
Cant Rail Panel 'Creak' Noise Repair

WARNING:

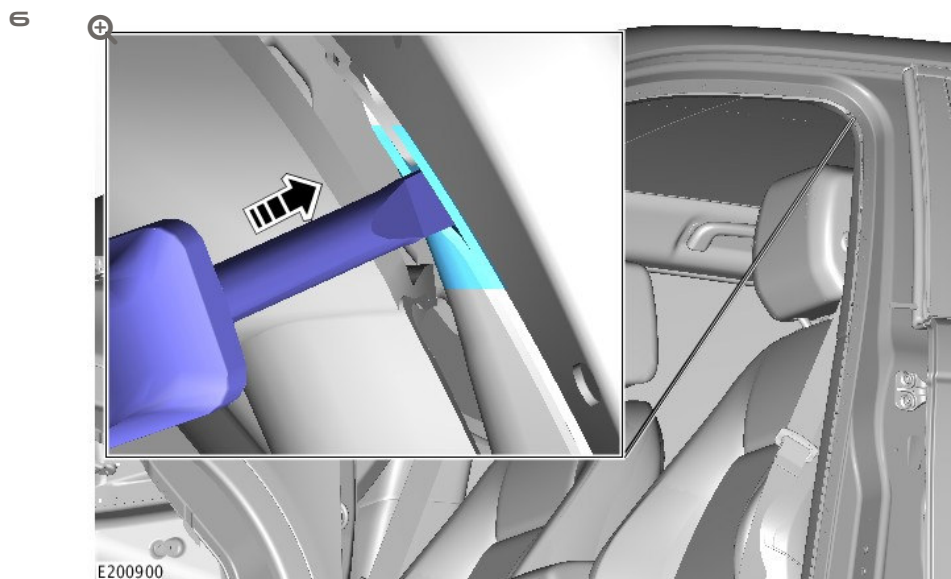
A suitable chisel with a blade width of no more than 12 mm and a maximum thickness of 5 mm must be used to complete this Service Instruction.

5 NOTE:

Repeat this step on both sides of the vehicle if required.



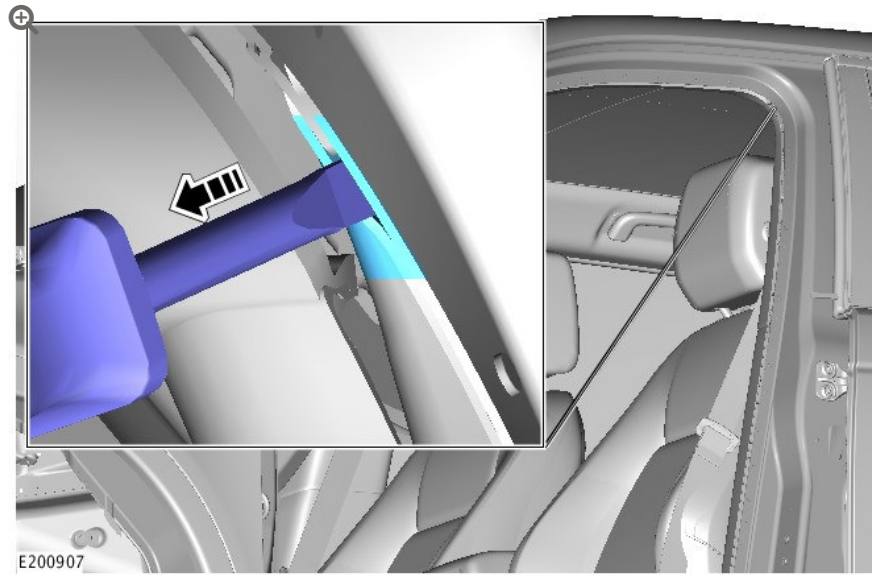
Move aside the front door weatherstrip from the 'B' Pillar.



Using a suitable hammer, insert the suitable chisel between the inner 'B' Pillar and the cant rail to a maximum depth of 20 mm.

- This will cause the inner 'B' Pillar panel and the cant rail to separate.

7

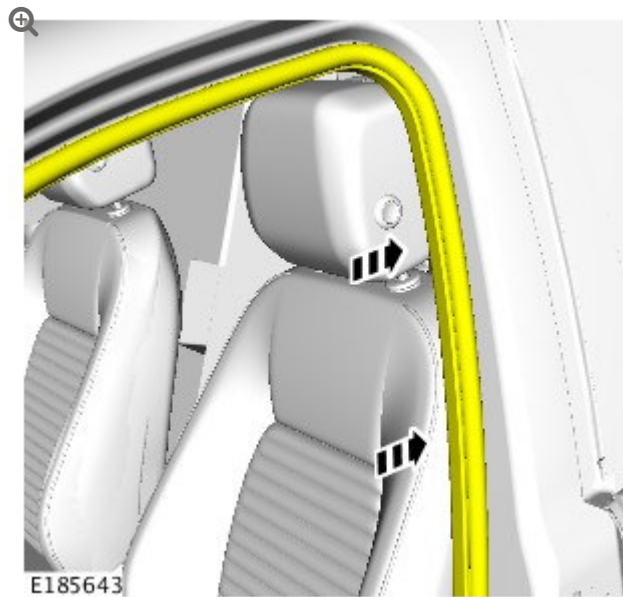


Remove the chisel.

8

NOTE:

Repeat this step on both sides of the vehicle if required.



Install the front door weatherstrip to the 'B' Pillar.

- ⇒ Road test the vehicle.
 - If the noise **cannot** be heard, return the vehicle to the Customer.
 - If the noise **can** still be heard, continue from Step 10 of this Service Instruction.

'B' Pillar Upper Panel 'tick' Noise Repair

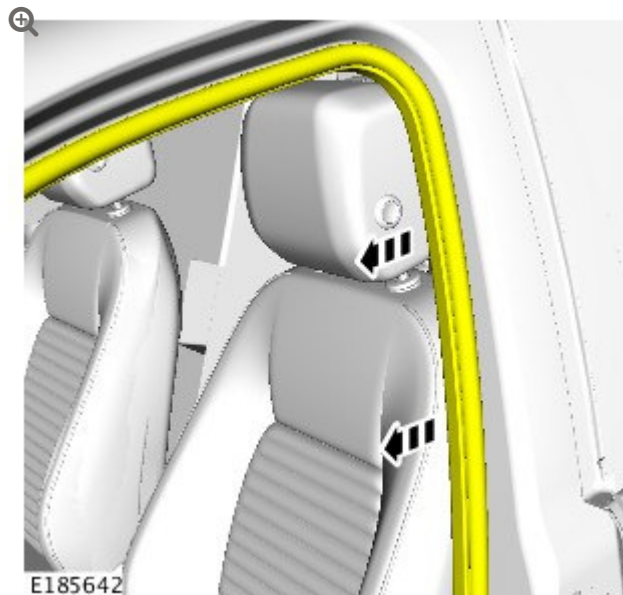
WARNING:

A suitable chisel with a blade width of no more than 12 mm and a maximum thickness of 5 mm must be used to complete this Service Instruction.

10

NOTE:

Repeat this step on both sides of the vehicle if required.



Move aside the front door weatherstrip from the 'B' Pillar.

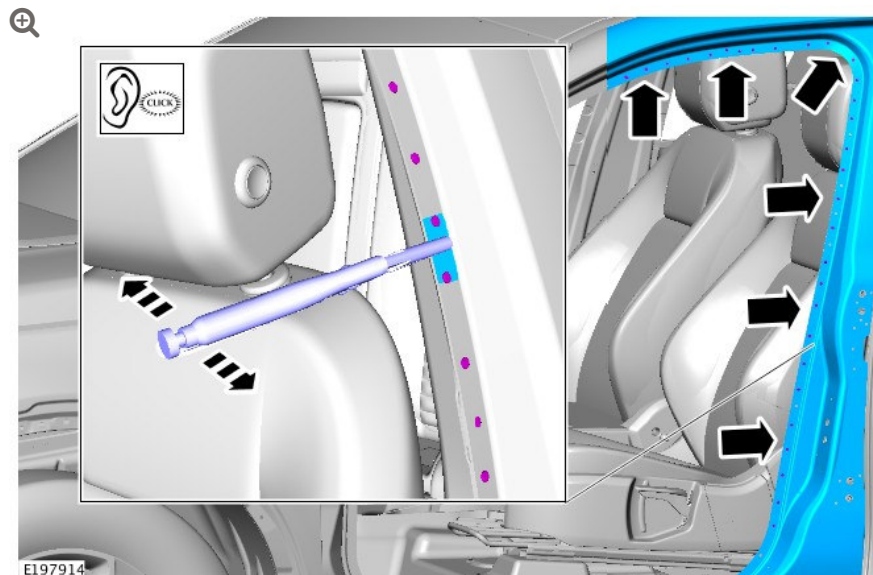
11

WARNINGS:

- Make sure no damage is caused to the vehicle.
- Use a suitable tape or protection so no damage is caused to the vehicle paintwork.

NOTE:

Repeat this step on both sides of the vehicle if required.



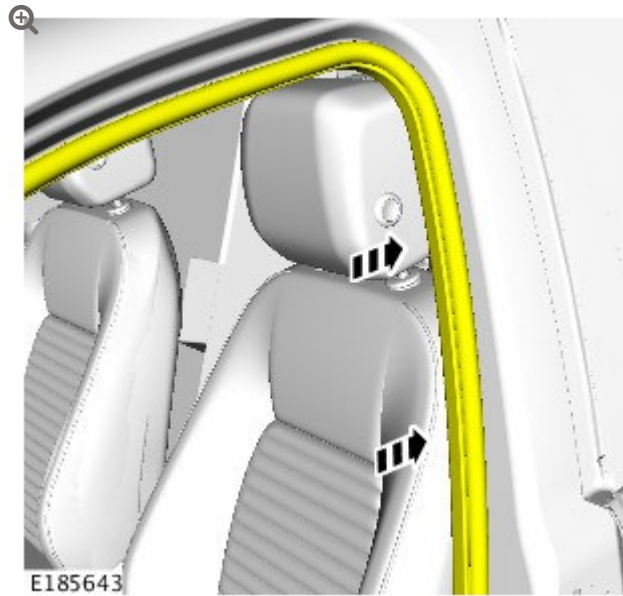
Using a suitable tool, move the 'B' Pillar inner panel and 'B' Pillar outer panel inwards and outwards, until an audible click is heard.

- 1 Perform this step between each of the spot welds.

12

NOTE:

Repeat this step on both sides of the vehicle if required.

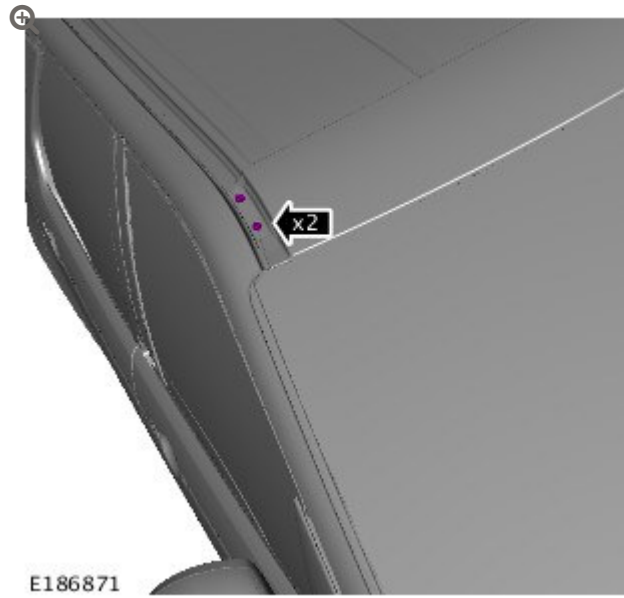


Install the front door weatherstrip to the 'B' Pillar.

- 13 Road test the vehicle to see if the 'ticking' noise has been rectified.
 - If the 'ticking' noise **cannot** be heard, return the vehicle to the Customer.
 - If the 'ticking' noise **can** still be heard continue from step 14 of this Service Instruction.
- 14 Remove the roof moulding (see TOPIx Workshop Manual section 501-08: Exterior Trim and Ornamentation - Roof Moulding).

15 **NOTE:**

Right-side shown; left-side similar.

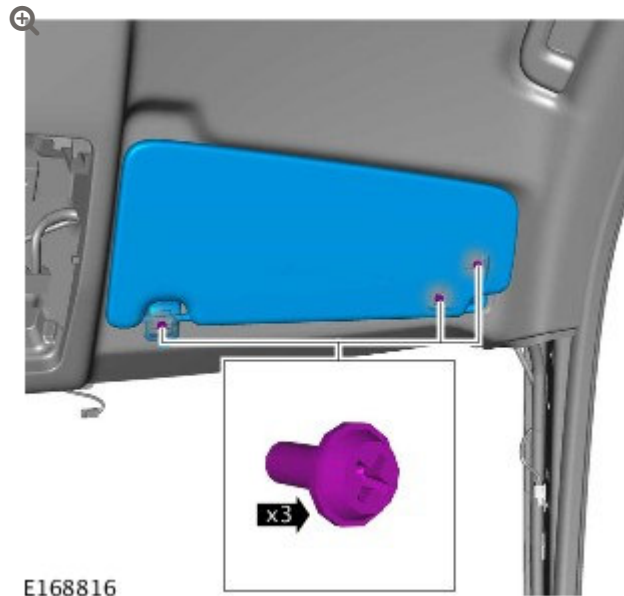


Fully loosen the two nuts below the roof moulding.

16

NOTE:

Right-side shown; left-side similar.



Remove the three bolts and remove the sun visor.

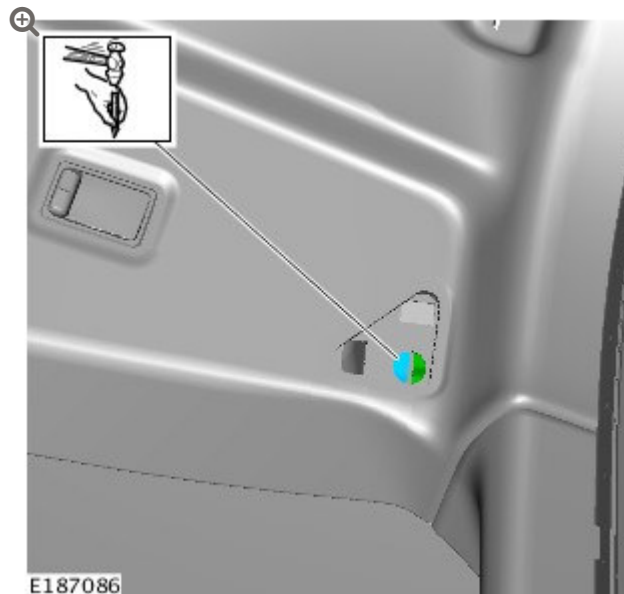
17

WARNING:

Do not use a punch which has a point as this will damage the vehicle.

NOTE:

Right-side shown; left-side similar.



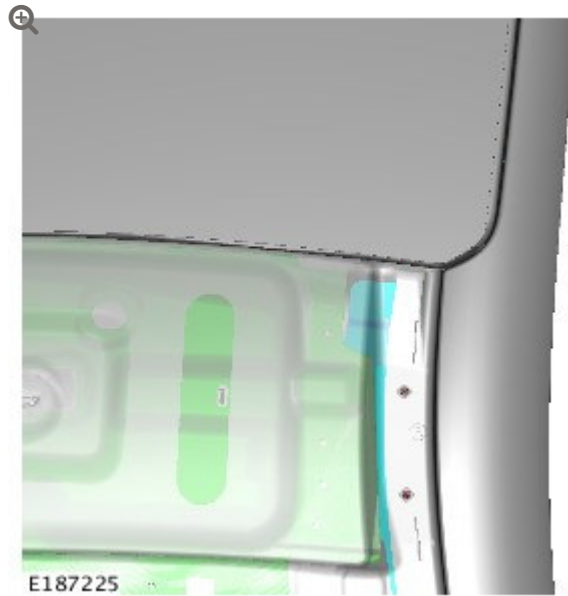
Using a parallel pin punch, insert it through the sunvisor bracket aperture.

- 1 Use a hammer to strike the punch in an upward motion several times on both of the panels identified.
 - This allows the panels to be distorted away from the sunvisor bracket aperture to eliminate the unwanted noise.

18

NOTE:

Right-side shown; left-side similar.

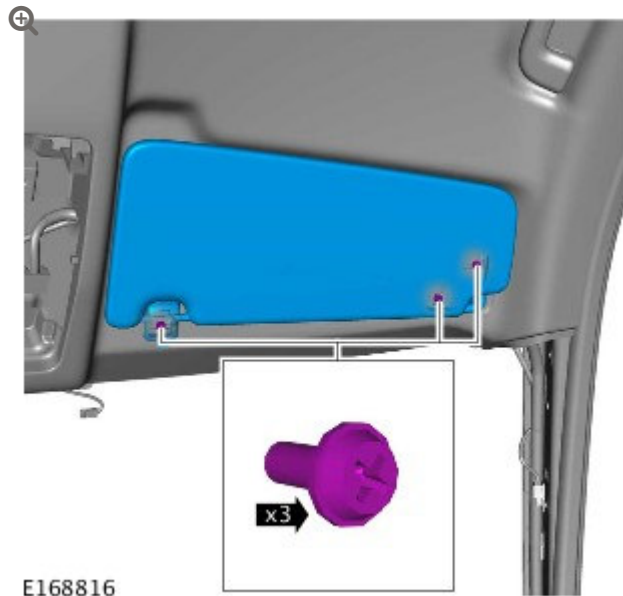


This illustration shows the inner header panel and the inner bodyside header support panel. Both of these require reworking in step 17.

19

NOTE:

Right-side shown; left-side similar.



Install the sun visor.

- Torque: **9 Nm**

20

NOTE:

Right-side shown; left-side similar.



Tighten the two nuts below the roof moulding.

- Torque: **13 Nm**

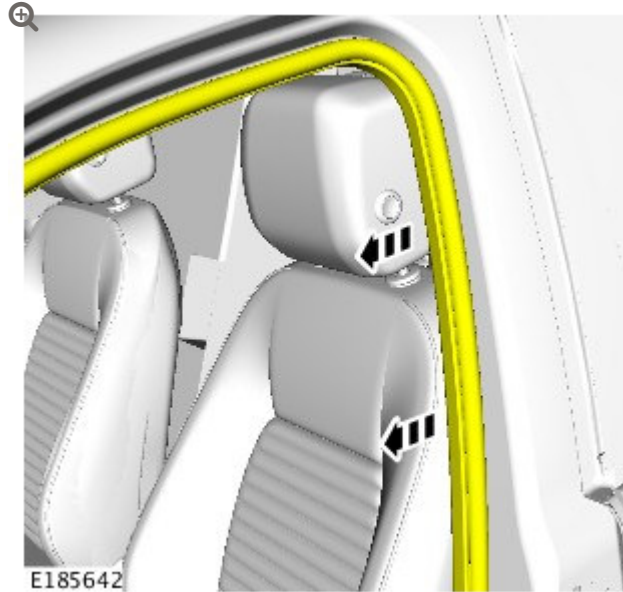
- 21 Install the roof moulding (see TOPIx Workshop Manual section 501-08: Exterior Trim and Ornamentation - Roof Moulding).
- 22 Road test the vehicle to see if the 'creak' noise has been rectified.
 - If the 'ticking' noise **cannot** be heard, return the vehicle to the Customer.
 - If the 'ticking' noise **can** still be heard, continue to Step 23 of this Service Instruction.

'B' Pillar Spot Weld Repair

23

NOTE:

Repeat this step on both sides of the vehicle if required.



Move aside the front door weatherstrip from the 'B' Pillar.

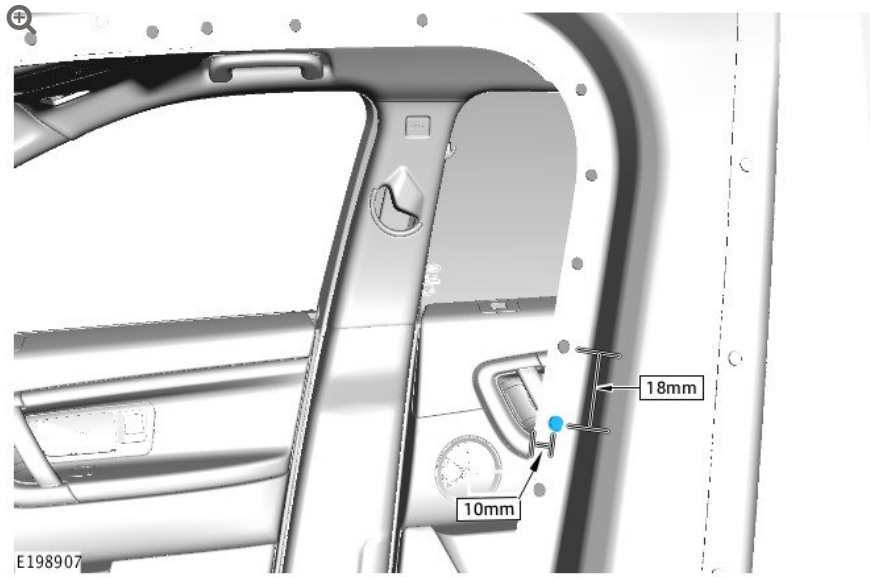
24

CAUTION:

Use suitable welding blankets to protect the vehicle from any damage before continuing with this bulletin.

NOTES:

- Paint the area that has been spot welded.
- Repeat this step on both sides of the vehicle if required.

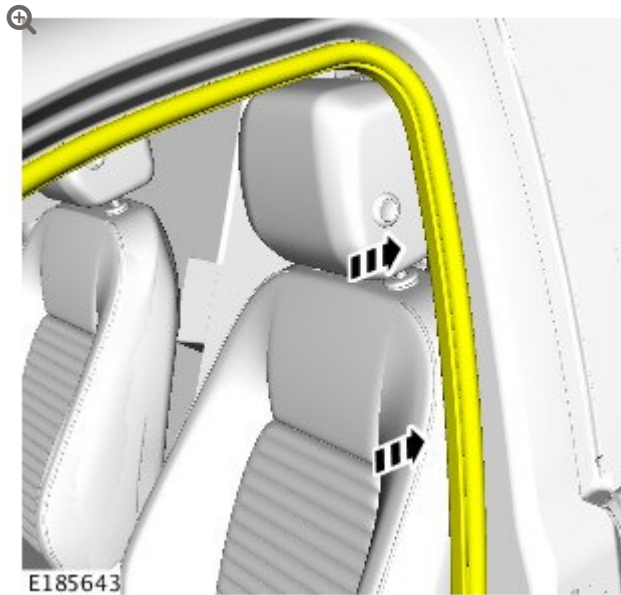


Spot weld the area shown.

25

NOTE:

Repeat this step on both sides of the vehicle if required.



Install the front door weatherstrip to the 'B' Pillar.

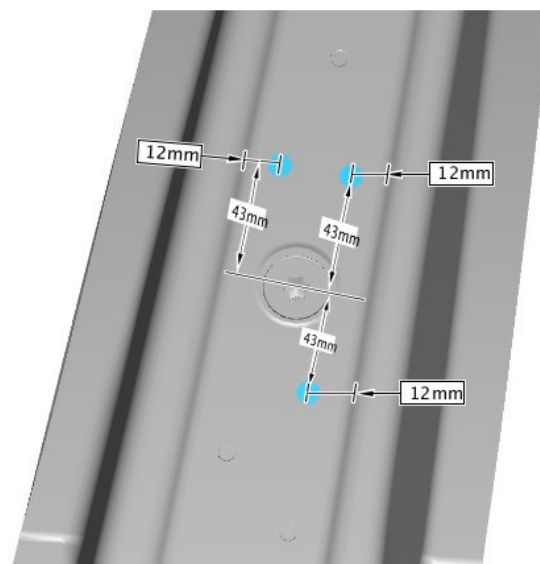
- 26 Road test the vehicle to see if the 'ticking' noise has been rectified
- If the 'ticking' noise **cannot** be heard, return the vehicle to the Customer.
 - If the 'ticking' noise **can** still be heard, continue to Step 27 of this Service Instruction.

Seatbelt Anchor Repair

- 27 Remove the 'B' Pillar upper trim (see TOPIx Workshop Manual section 501-05: Interior Trim and Ornamentation - 'B' Pillar Upper Trim Panel).

28 **NOTES:**

- Do not drill to a depth of more than 6mm as this can damage the outer body.
- Make sure the seatbelt retractor bolt is in place and has been torque checked to 40 Nm before fitting rivets



E197160

Drill three 6.5 mm holes in the areas shown to a maximum depth of 6mm.

- 1 Install the new rivets.
- 29 Install the 'B' Pillar upper trim (see TOPIx Workshop Manual section 501-05: Interior Trim and Ornamentation - 'B' Pillar Upper Trim Panel).
 - 30 Road test the vehicle to see if the 'ticking' noise has been rectified.
 - If the 'ticking' noise **cannot** be heard, return the vehicle to the Customer.
 - If the 'ticking' noise **can** still be heard continue to Step 31 of this Service Instruction.

'B' Pillar Upper Panel 'Creak' Noise Repair

NOTES:

- **Only carry out Step 32-43 if the previous repairs have not fixed the Customer concern.**
- **Make sure a locally sourced zinc-rich primer is applied to any bare metal surfaces.**
- **Any joints sealed as part of the vehicle manufacture must be sealed as part of the repair.**

- 31 Before commencing this procedure make sure that you are aware of all Health and Safety requirements (see TOPIx Workshop Manual section 100-00: General Information - Health and Safety Precautions).

32

CAUTIONS:

- Use suitable welding blankets to protect the vehicle from any damage before continuing with this bulletin.
- Make sure no damage is caused to any part of the vehicle.

Remove the side air curtain module (see TOPIx Workshop Manual section 501-20: Supplemental Restraint System - Side Air Curtain Module).



Identify the three spot welds to be drilled.

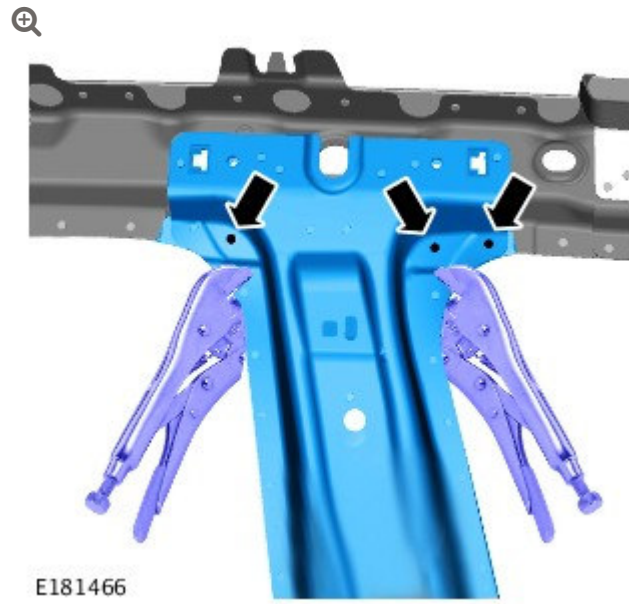
34

CAUTION:

Make sure no damage is caused to any part of the vehicle.

NOTE:

Repeat this step on both sides of the vehicle.



Make sure the spot welds that are to be drilled remain visible after installing the suitable clamps to the 'B' Pillar.

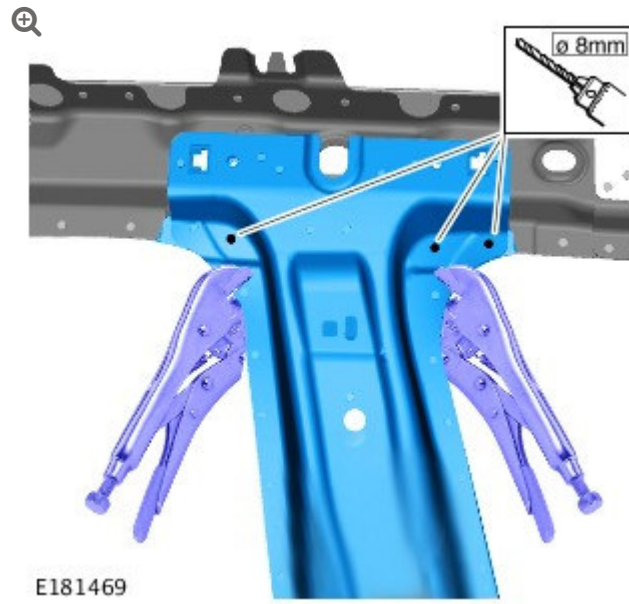
35

CAUTION:

Make sure no damage is caused to any part of the vehicle.

NOTE:

Repeat this step on both sides of the vehicle.



Drill the three spot welds to the correct depth of 2.5 mm.

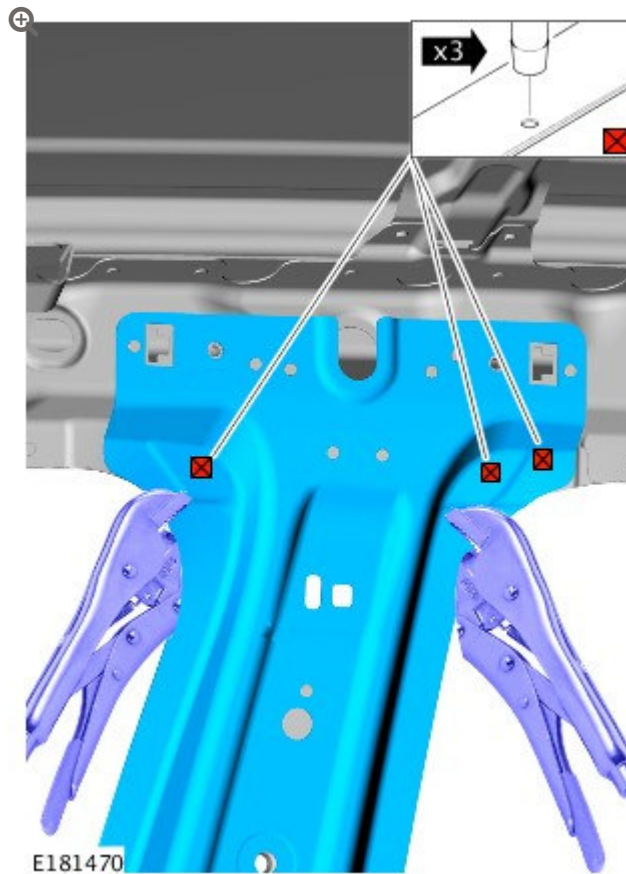
36

CAUTION:

Make sure no damage is caused to any part of the vehicle.

NOTES:

- Repeat this step on both sides of the vehicle.
- Make sure corrosion protection is applied to all areas affected by the repair.



Metal Inert Gas (MIG) weld the three drilled holes.

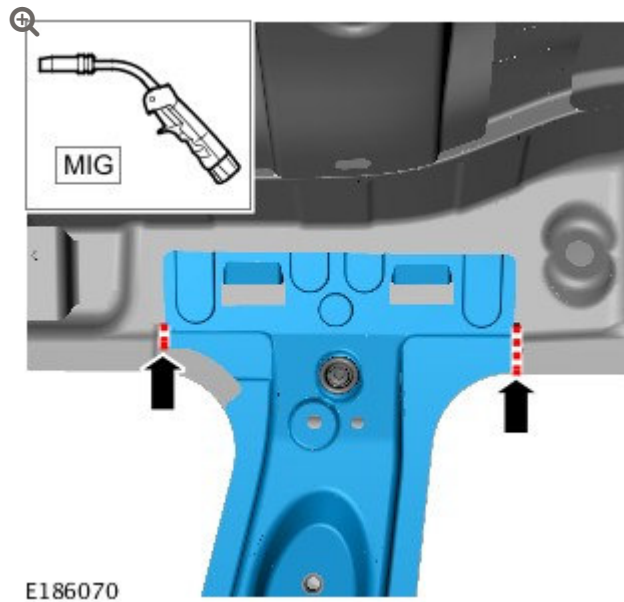
37

CAUTION:

Make sure no damage is caused to any part of the vehicle.

NOTES:

- Repeat this step on both sides of the vehicle.
- Make sure corrosion protection is applied to all areas affected by the repair.



MIG seam weld the 'B' Pillar in the area shown.

- Make sure the area between the 'B' Pillar and the inner 'B' Pillar is completely MIG welded in the area shown.

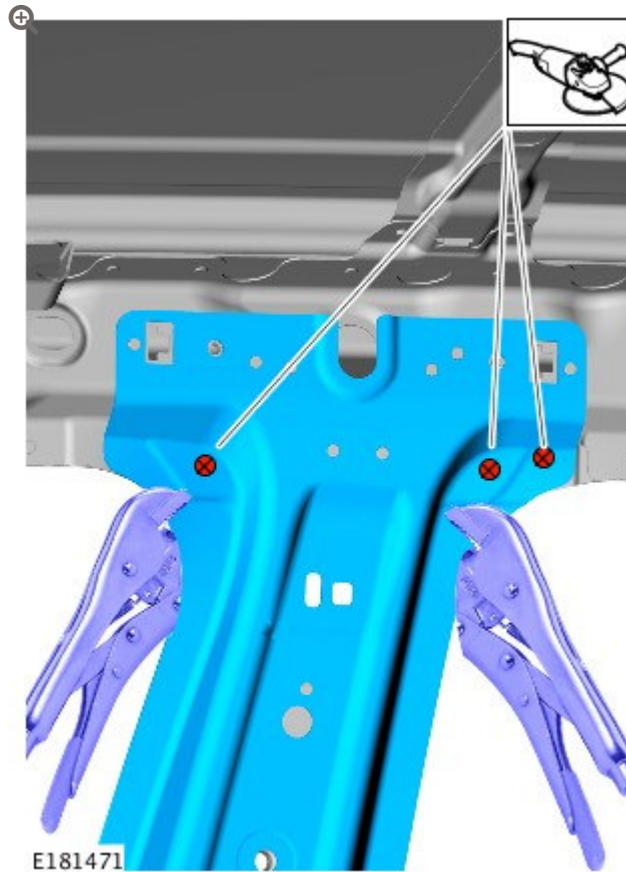
38

CAUTION:

Make sure no damage is caused to any part of the vehicle.

NOTES:

- **Repeat this step on both sides of the vehicle.**
- **Make sure corrosion protection is applied to all areas affected by the repair.**



Grind away any excess material where the vehicle has been MIG welded.

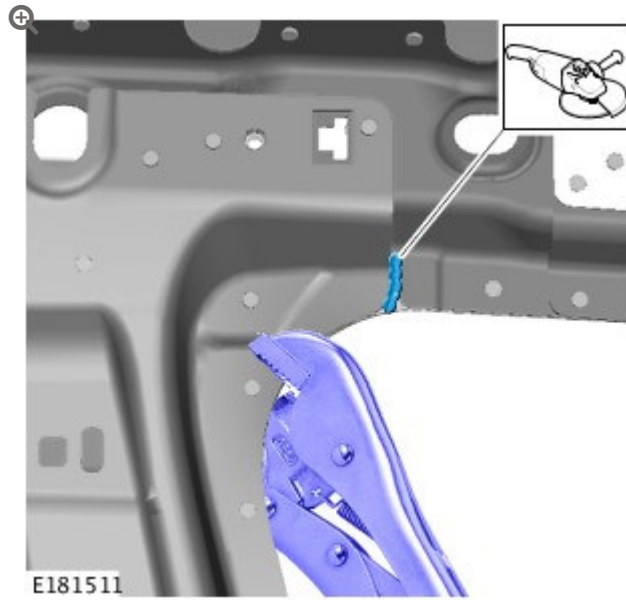
39

CAUTION:

Make sure no damage is caused to any part of the vehicle.

NOTE:

Repeat this step on both sides of the vehicle.



Grind away any excess material where the vehicle has been MIG welded.

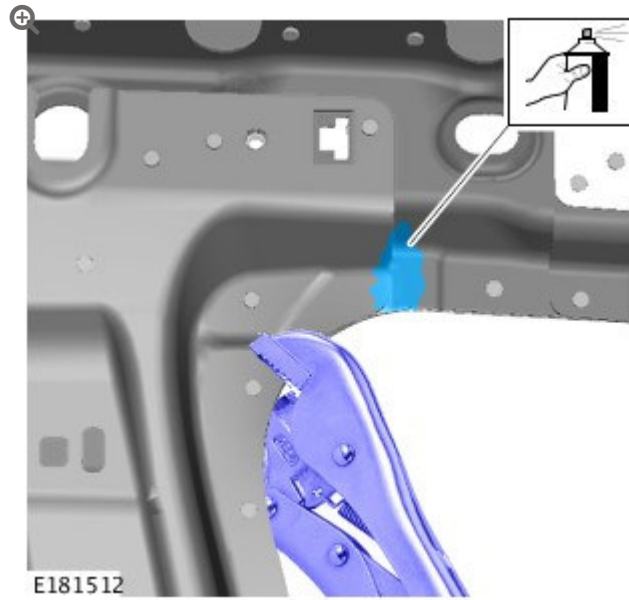
40

CAUTION:

Make sure no damage is caused to any part of the vehicle.

NOTES:

- **Repeat this step on both sides of the vehicle.**
- **Make sure corrosion protection is applied to all areas affected by the repair.**



Use a suitable corrosion protection to cover the repaired area.

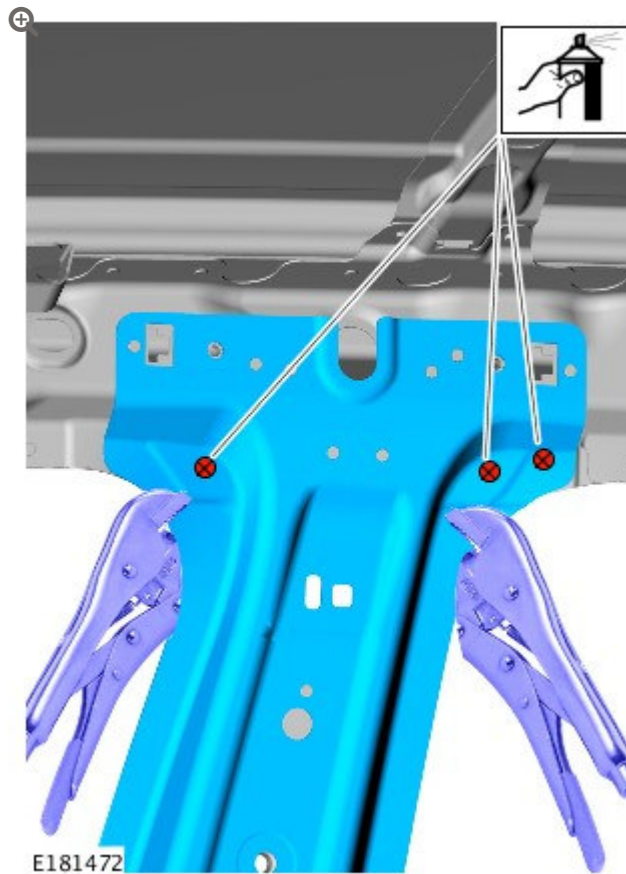
41

CAUTION:

Make sure no damage is caused to any part of the vehicle.

NOTES:

- **Repeat this step on both sides of the vehicle.**
- **Make sure corrosion protection is applied to all areas affected by the repair.**



Use a suitable corrosion protection to cover the repaired area.

- 4.2 Install the side air curtain module (see TOPIx Workshop Manual section 501-20: Supplemental Restraint System - Side Air Curtain Module).
- 4.3 Road test the vehicle.
 - If the noise **cannot** be heard, return the vehicle to the Customer.
 - If the noise **can** still be heard, raise a Technical Assistance (TA) with supporting documents.