

TECHNICAL BULLETIN

LTB00827v4

12 APR 2016



© Jaguar Land Rover Limited
All rights reserved.

This reissue replaces all previous versions. Please destroy all previous versions. This bulletin supersedes TSB LTB00827v3/2016 dated 15 FEB 2016, which should either be destroyed or clearly marked to show it is no longer valid (e.g. with a line across the page). Only refer to the electronic version of this Technical Bulletin in TOPIx.

Changes are highlighted in gray

SECTION: 501-00

Ticking Noise From B-Pillar Area

AFFECTED VEHICLE RANGE:

Discovery Sport (LC)

Model Year: 2015 Onwards
VIN: 501001 Onwards
Assembly Plant: Halewood

MARKETS:

All

CONDITION SUMMARY:

Situation: A customer may express a concern that there is a 'Ticking' noise from the B-pillar area. **This version has been issued for a change to the Service Instruction and to the Parts.**

Cause: B-pillar panels clearance incorrect. **Suggested Customer Concern Code QD5.**

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

PARTS:

 **NOTE: An allowance equivalent to £30 +VAT sterling has been allocated for locally sourcing paint and materials using ZZZ001.**

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

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
Repair for B-pillar upper panel 'tick' - Pair	76.10.89.24	0.2	12	LR061697

Repair for B-pillar upper panel 'tick' - Left	76.10.89.23	0.1	12	LR061697
Repair for B-pillar upper panel 'tick' - Right	76.10.89.21	0.1	12	LR061697
Repair for B-pillar upper panel 'creak' - Pair	76.10.89.25	5.3	12	LR061697
Repair for Cant Rail panel 'creak' noise - Left	76.11.46	0.3	12	LR061697
Repair for Cant Rail panel 'creak' noise - Right	76.11.47	0.3	12	LR061697
Repair for Cant Rail panel 'creak' noise - Pair	76.11.48	0.4	12	LR061697

 **NOTE: Normal Warranty procedures apply.**

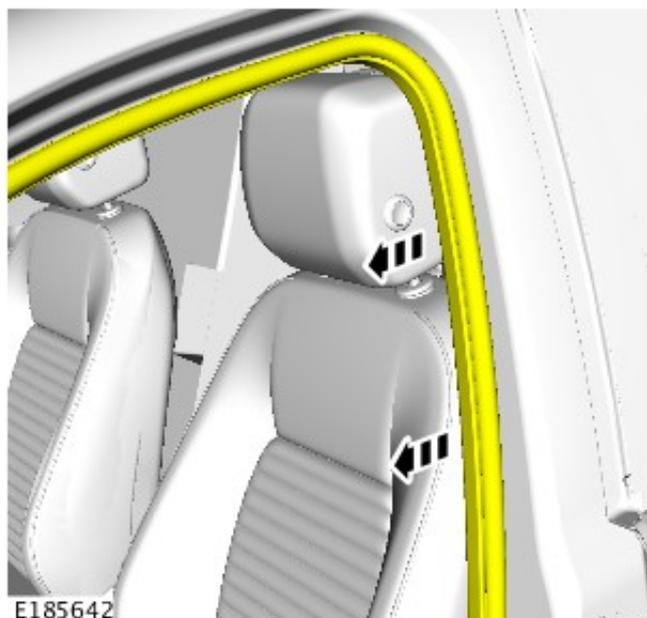
SERVICE INSTRUCTION:

Repair for Cant rail panel 'creak' noise

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

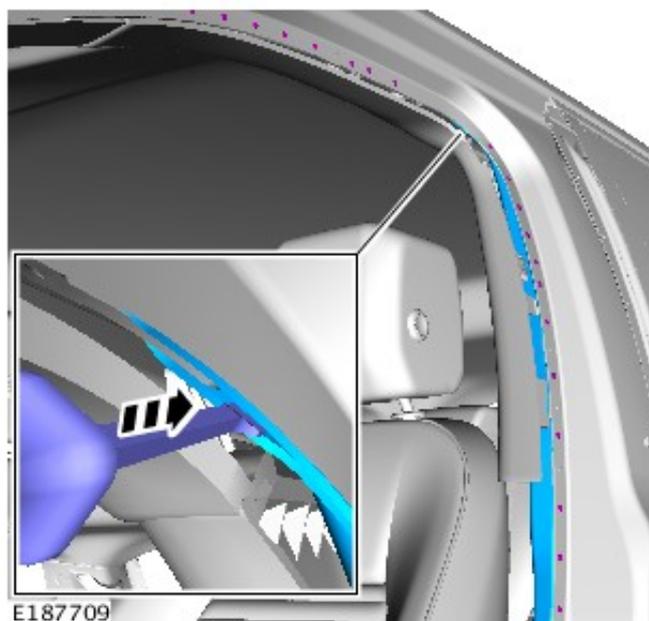
1.  **NOTE: Repeat this step on both sides of the vehicle if required.**

Move aside the front door aperture seal from the B-pillar.

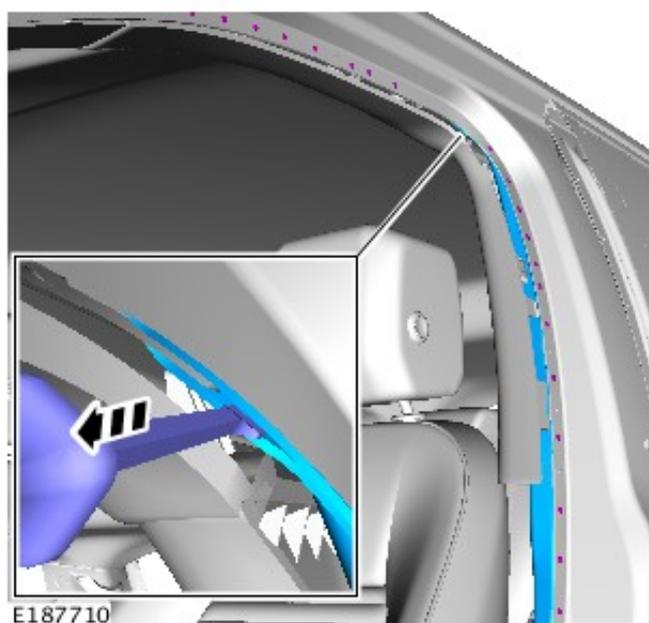


2. Using a suitable hammer, insert the suitable chisel between the inner B-Pillar and the Cant rail, to a maximum depth of 20mm.

1. This will cause the inner B-pillar panel and the cant rail to separate to stop the creak noise.

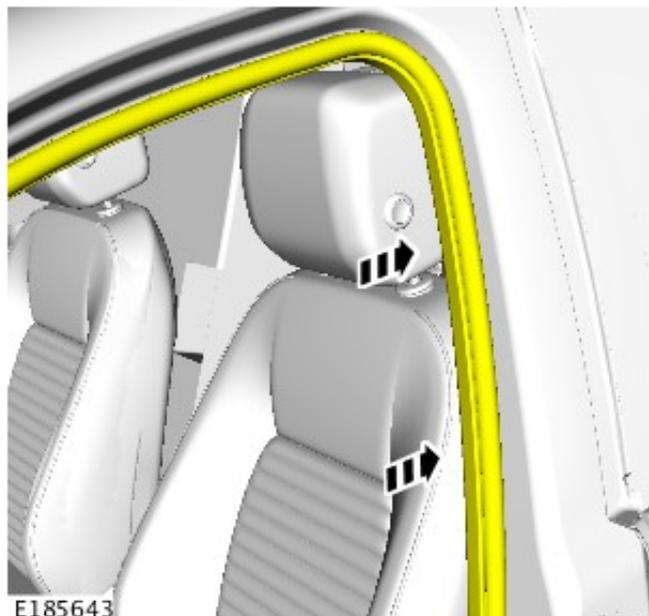


3. Remove the suitable chisel.



4.  **NOTE: Repeat this step on both sides of the vehicle if required.**

Install the front door aperture seal to the B-pillar.



E185643

5. Road test the vehicle.

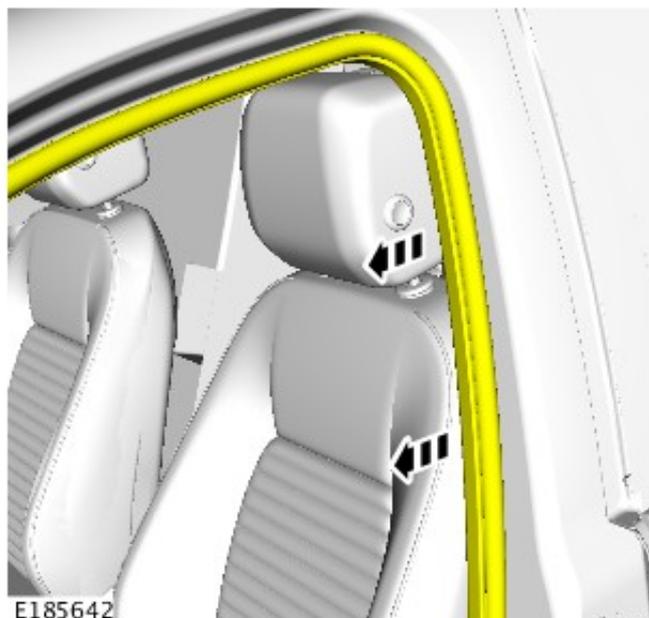
1. If the noise **cannot** be heard, return the vehicle to the customer.
2. If the noise **can** still be heard continue from Step 6 of this Service Instruction.

Repair for B-pillar upper panel 'tick' noise

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

- 6.** **⚠ NOTE: Repeat this step on both sides of the vehicle if required.**

Move aside the front door aperture seal from the B-pillar.



E185642

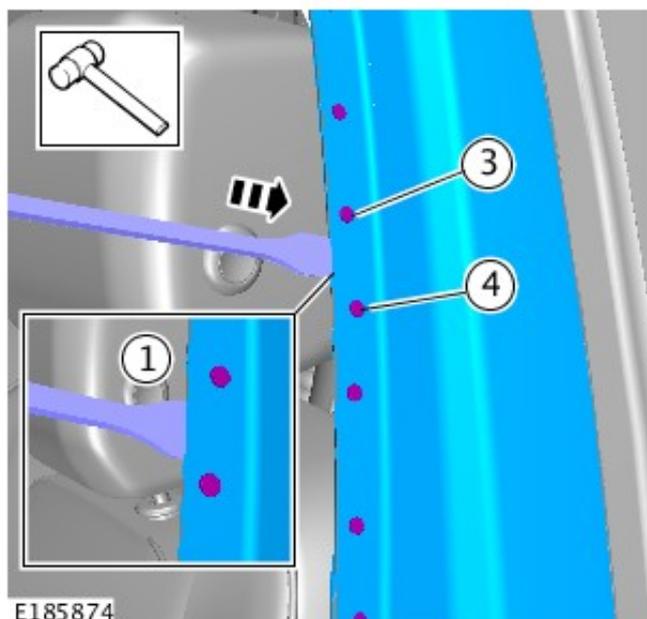
- 7.** **⚠ WARNING: Make sure no damage is caused to the vehicle.**

⚠ WARNING: The suitable chisel must be able to fit between the two spot welds when inserted without damaging the spot welds.

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

Using a suitable hammer, insert the suitable chisel between the B-pillar inner panel and the B-pillar reinforcement panel to a maximum depth of 10mm. The chisel must be inserted between the third and fourth spot welds.

- Insert the suitable chisel a maximum of 10mm (1).



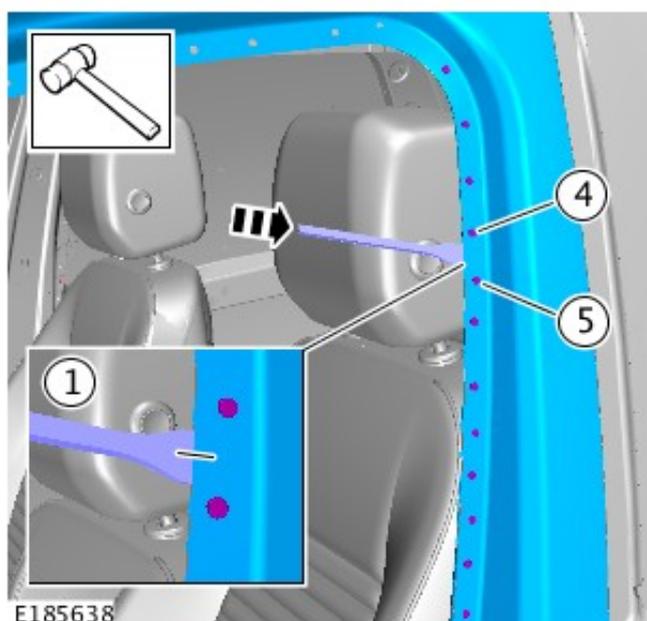
8.  **WARNING: Make sure no damage is caused to the vehicle.**

 **WARNING: The suitable chisel must be able to fit between the two spot welds when inserted without damaging the spot welds.**

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

Using a suitable hammer, insert the suitable chisel between the B-pillar inner panel and the B-pillar reinforcement panel to a maximum depth of 10mm. The chisel must be inserted between the fourth and fifth spot welds.

- Insert the suitable chisel a maximum of 10mm (1).



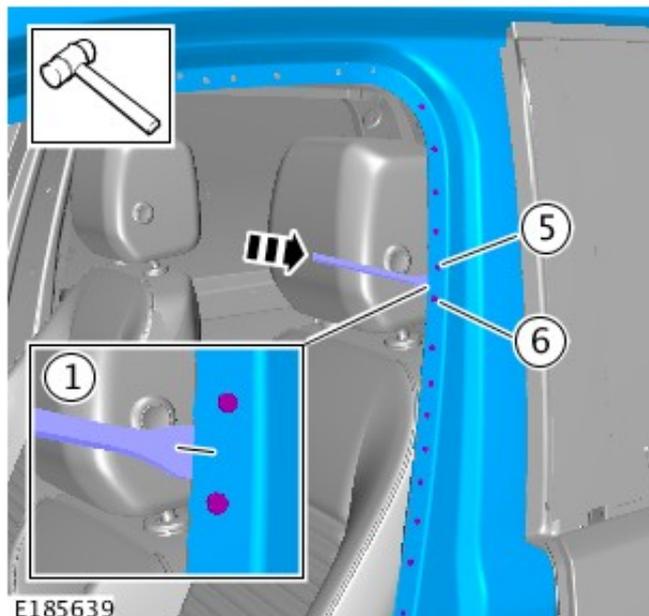
9.  **WARNING: Make sure no damage is caused to the vehicle.**

 **WARNING: The suitable chisel must be able to fit between the two spot welds when inserted without damaging the spot welds.**

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

Using a suitable hammer, insert the suitable chisel between the inner B-pillar inner panel and the B-pillar reinforcement panel to a maximum depth of 10mm. The chisel must be inserted between the fifth and sixth spot welds.

- Insert the suitable chisel to a maximum of 10mm (1).

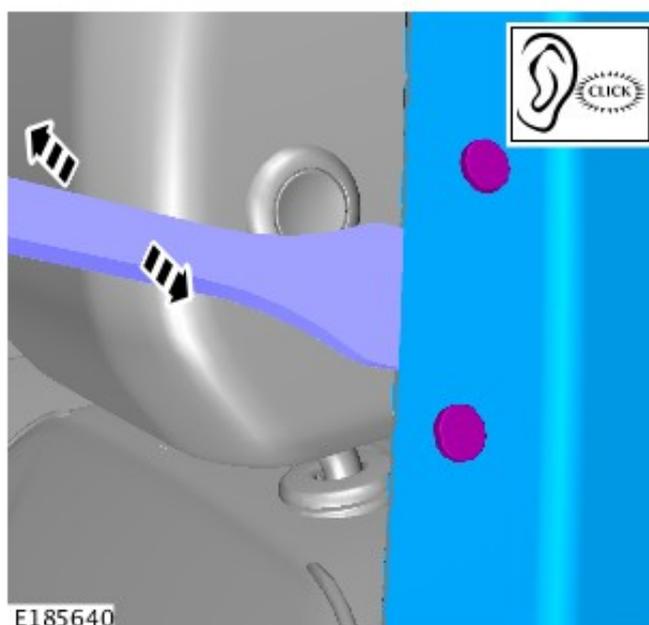


E185639

10.  **WARNING: Make sure no damage is caused to the vehicle.**

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

Move the suitable chisel from side to side between the fifth and sixth spot weld until an audible click is heard. This will separate the E-coat between the B-pillar inner and the B-pillar reinforcement panel.

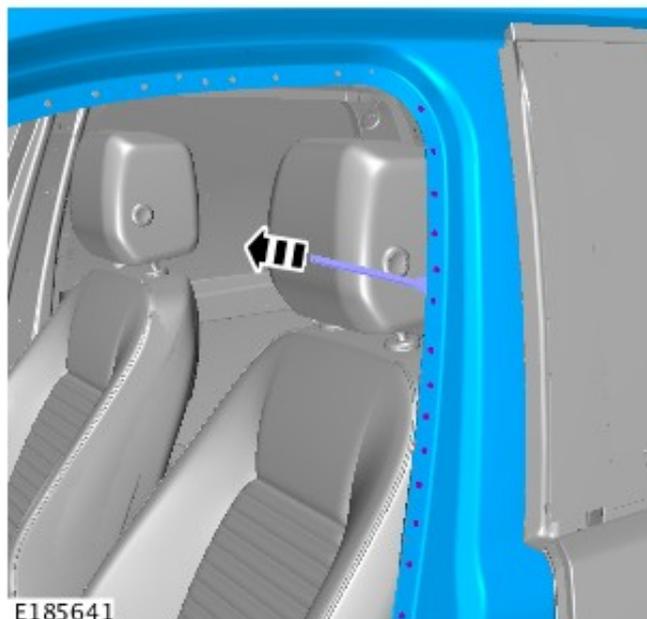


E185640

11.  **WARNING: Make sure no damage is caused to the vehicle.**

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

Remove the suitable chisel from the B-pillar.



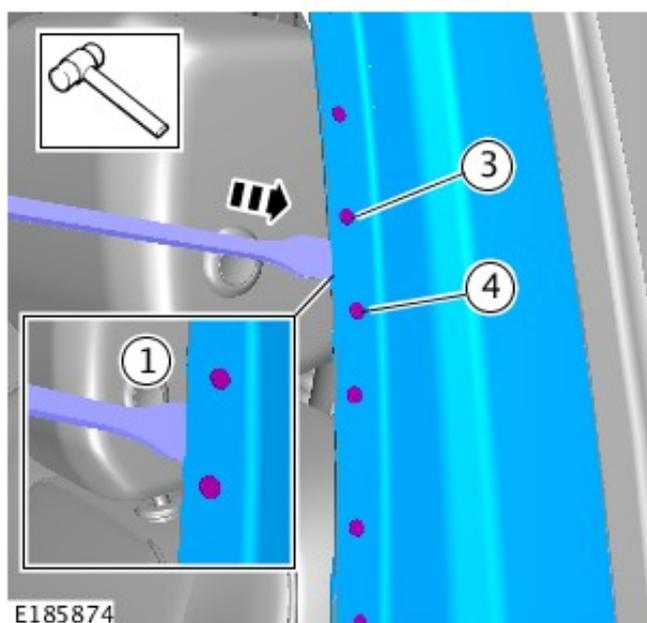
12.  **WARNING: Make sure no damage is caused to the vehicle.**

 **WARNING: The suitable chisel must be able to fit between the two spot welds when inserted without damaging the spot welds.**

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

Using a suitable hammer, insert the suitable chisel between the B-pillar outer panel and the B-pillar middle reinforcement panel to a maximum depth of 10mm. The chisel must be inserted between the third and the fourth spot welds.

- Insert the suitable chisel a maximum of 10mm (1).



13.  **WARNING: Make sure no damage is caused to the vehicle.**

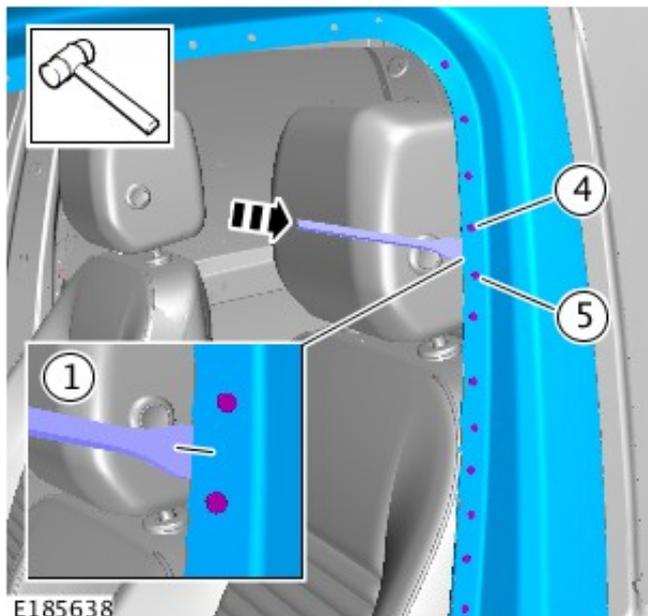
 **WARNING: The suitable chisel must be able to fit between the two spot welds when inserted without damaging the spot welds.**



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

Using a suitable hammer, insert the suitable chisel between the B-pillar outer panel and the B-pillar middle reinforcement panel to a maximum depth of 10mm. The chisel must be inserted between the fourth and fifth spot welds.

- Insert the suitable chisel a maximum of 10mm (1).



14.  **WARNING: Make sure no damage is caused to the vehicle.**



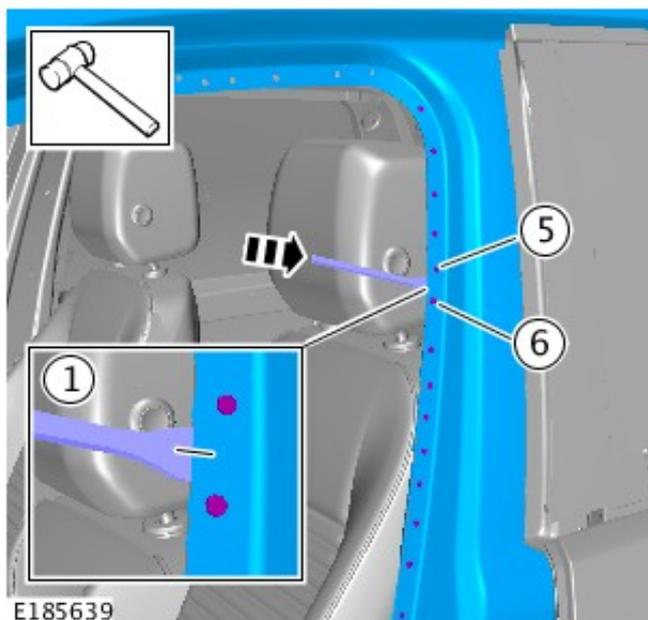
WARNING: The suitable chisel must be able to fit between the two spot welds when inserted without damaging the spot welds.



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

Using a suitable hammer, insert the suitable chisel between the inner B-pillar outer panel and the B-pillar middle reinforcement panel to a maximum depth of 10mm. The chisel must be inserted between the fifth and sixth spot welds.

- Insert the suitable chisel to a maximum of 10mm (1).

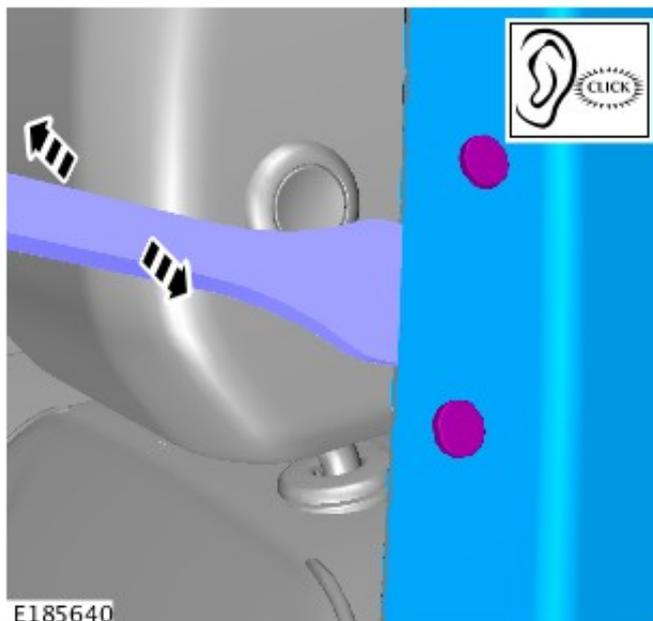


15.  **WARNING: Make sure no damage is caused to the vehicle.**



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

Move the suitable chisel from side to side between the fifth and sixth spot weld until an audible click is heard. This will separate the E-coat between the B-pillar outer and the B-pillar middle reinforcement panel.

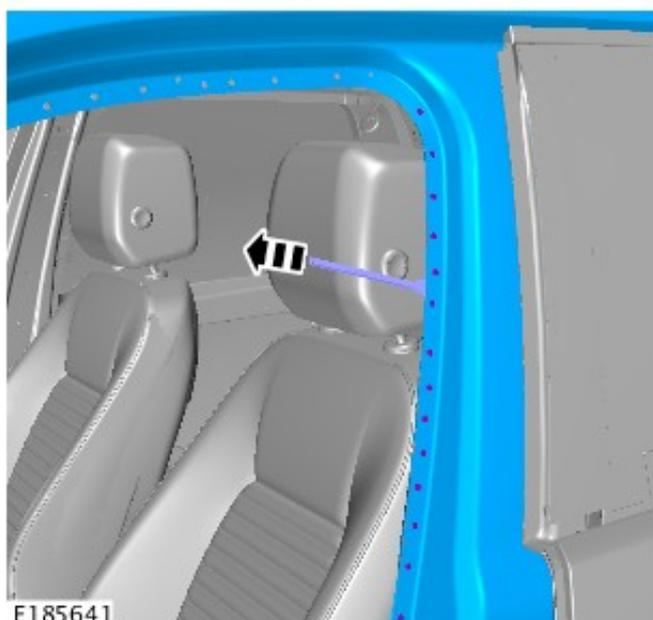


16. **WARNING: Make sure no damage is caused to the vehicle.**



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

Remove the suitable chisel from the B-pillar.



17. **WARNING: Make sure no damage is caused to the vehicle.**

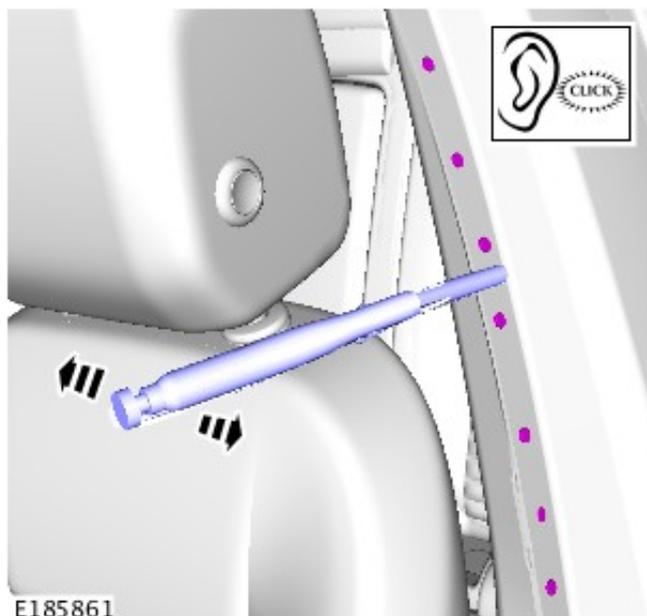


WARNING: Use a suitable tape or protection so no damage is caused to the vehicle paintwork.



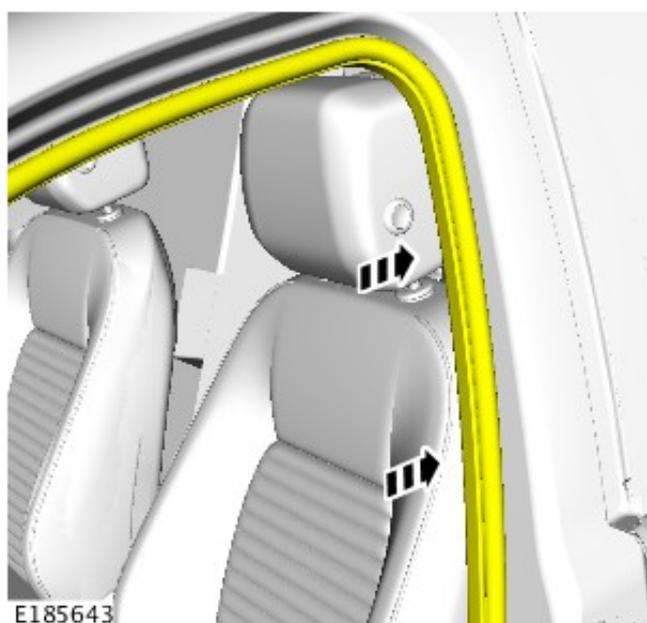
NOTE: Repeat this step on both sides of the vehicle if required.

Using a suitable tool, move the B-pillar inner panel and B-pillar outer panel inwards and outwards, until an audible click is heard. Complete this step between each of the spot welds where the suitable chisel was inserted.



18.  **NOTE: Repeat this step on both sides of the vehicle if required.**

Install the front door aperture seal to the B-pillar.



19. Road test the vehicle to see if the 'ticking' noise has been cured.
1. If the 'ticking' noise **cannot** be heard, return the vehicle to the customer.
 2. If the 'ticking' noise **can** still be heard continue from **Step 20** of this Service Instruction.

Repair for B-pillar upper panel 'creak' noise

 **NOTE: Make sure a locally sourced zinc-rich primer is applied to any bare metal surfaces.**

 **NOTE: Any joints sealed as part of the vehicle manufacture must be sealed as part of the repair.**

20. Before commencing this procedure make sure that you are aware of all Health and Safety requirements. For additional information, refer to: (See TOPIX Workshop Manual section 100-00 General Information - Health and Safety Precautions).

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

! **CAUTION: 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).

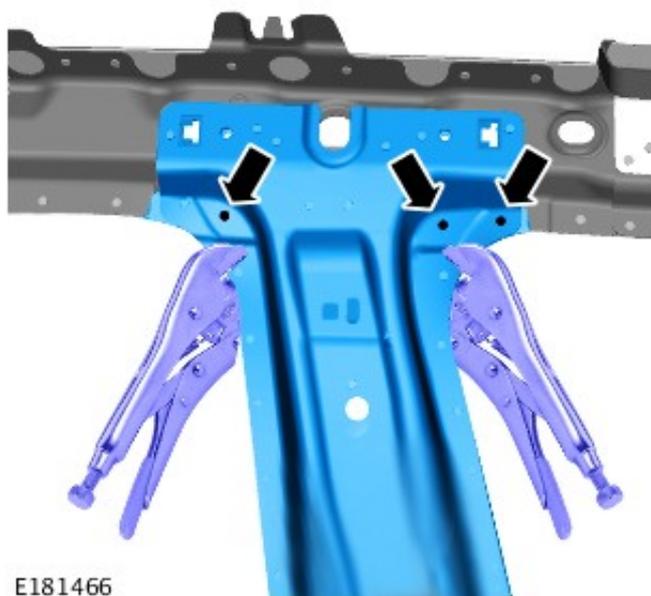
22. Identify the three spot welds to be drilled.



23. **!** **CAUTION: Make sure no damage is caused to any part of the vehicle.**

△ **NOTE: Repeat this Step on both sides of the vehicle.**

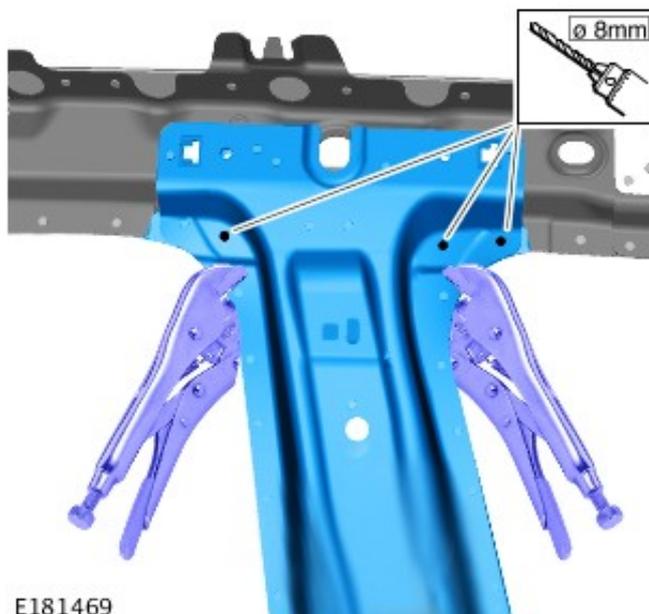
Make sure the spot welds that are to be drilled are visible when installing the suitable clamps to the B-pillar.



24. **!** **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 2.5mm.

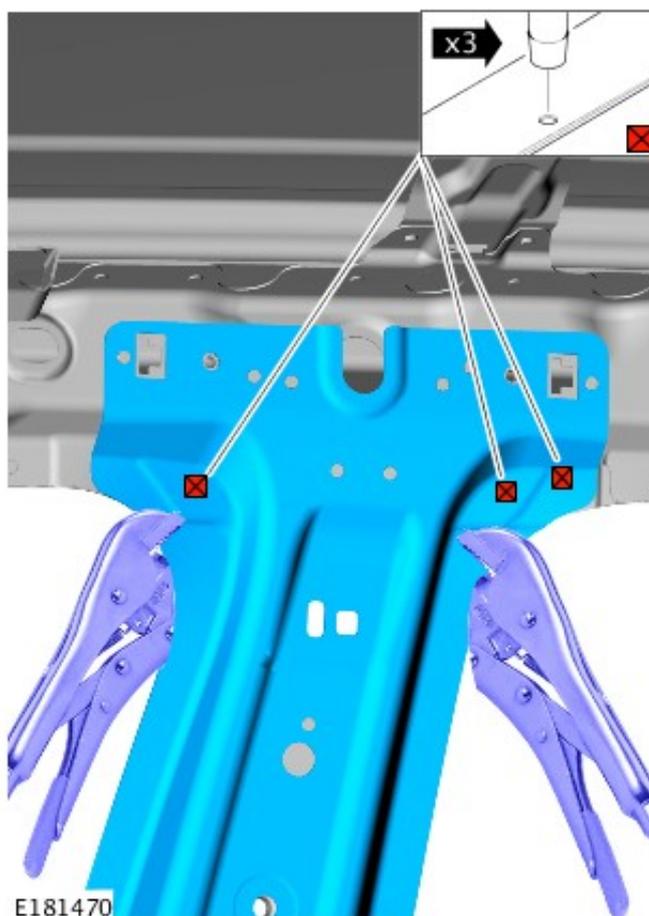


25.  **CAUTION:** Make sure no damage is caused to any part of the vehicle.

 **NOTE:** Repeat this Step on both sides of the vehicle.

 **NOTE:** Make sure corrosion protection is applied to all areas affected by the repair.

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



26.  **CAUTION:** Make sure no damage is caused to any part of the vehicle.

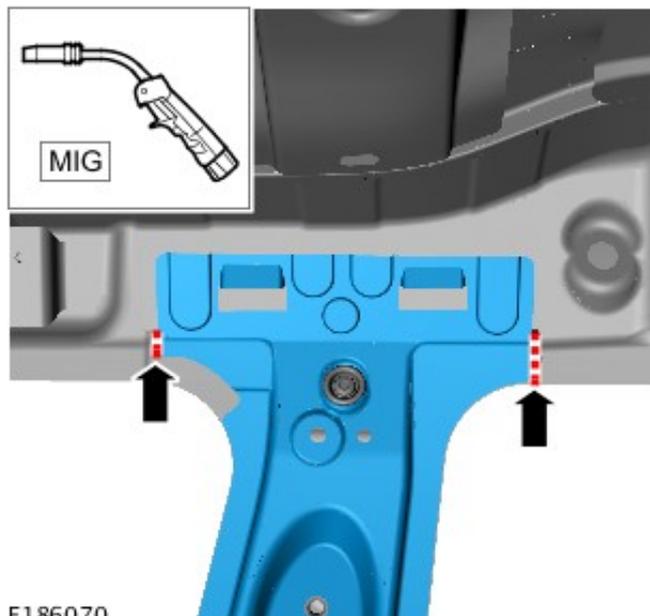
 **NOTE:** Repeat this Step on both sides of the vehicle.

 **NOTE:** 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.

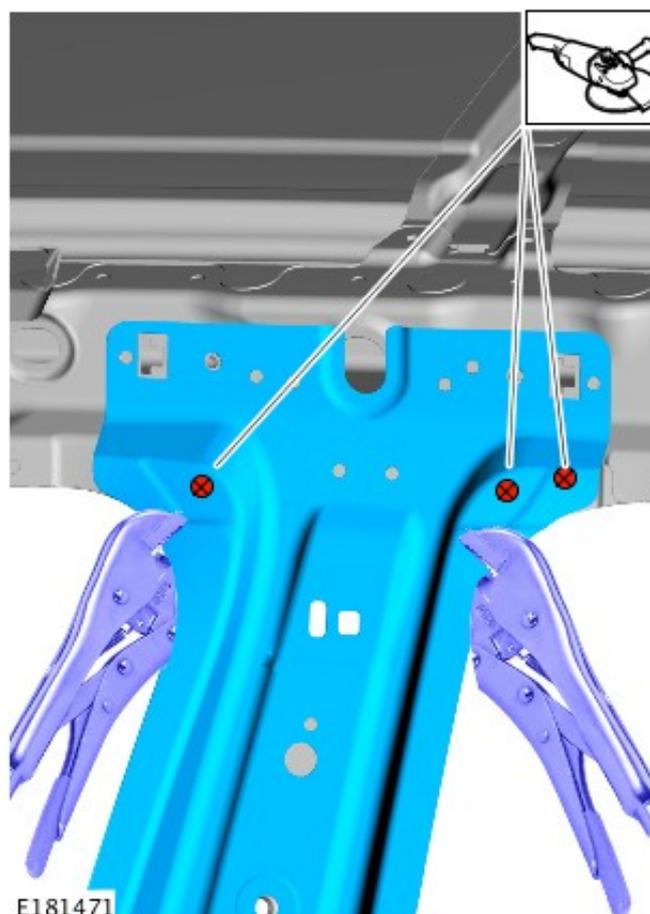


27.  **CAUTION:** Make sure no damage is caused to any part of the vehicle whilst grinding.

 **NOTE:** Repeat this Step on both sides of the vehicle.

 **NOTE:** Make sure corrosion protection is applied to all areas affected by the repair.

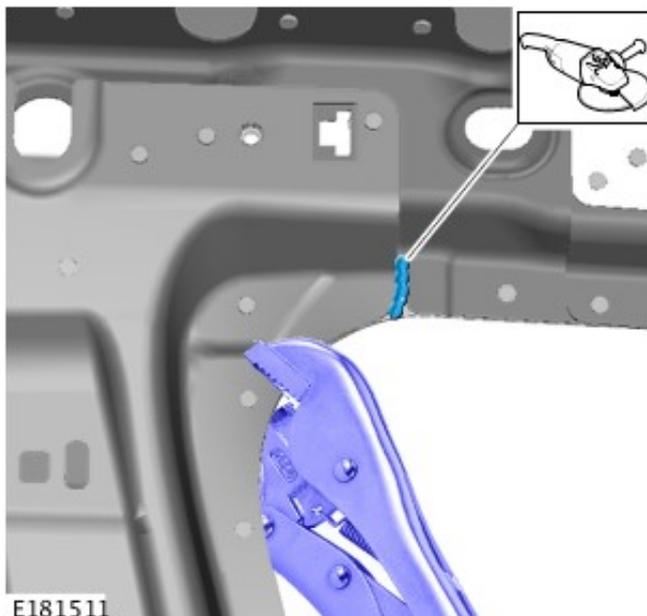
Grind away any excess material where the vehicle has been MIG welded.



28.  **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.

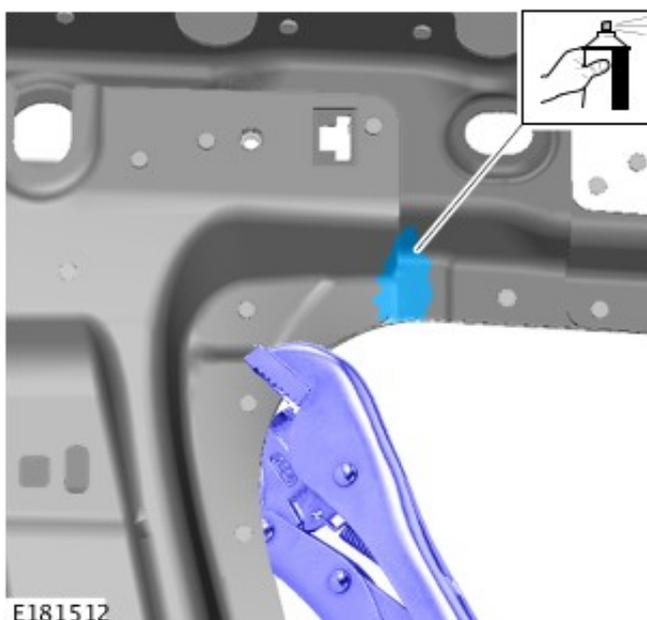


29. **⚠ CAUTION: Make sure no damage is caused to any part of the vehicle.**

△ NOTE: Repeat this Step on both sides of the vehicle.

△ NOTE: Make sure corrosion protection is applied to all areas affected by the repair.

Use a suitable corrosion protection to cover the repaired area.

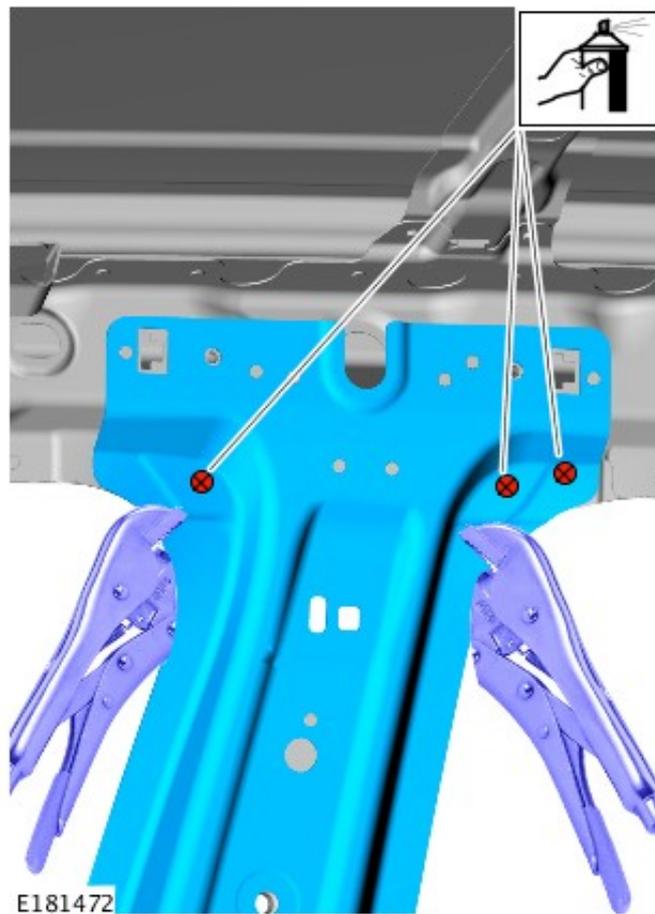


30. **⚠ CAUTION: Make sure no damage is caused to any part of the vehicle.**

△ NOTE: Repeat this Step on both sides of the vehicle.

△ NOTE: Make sure corrosion protection is applied to all areas affected by the repair.

Use a suitable corrosion protection to cover the repaired area.



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