

# TECHNICAL BULLETIN

LTB00827v4

12 APR 2016



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**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supersedes TSB LTB00827v3/2016 dated 15 FEB 2016, which should either be destroyed or clearly marked to show it is no longer valid (e.g. with a line across the page).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	<b>76.10.89.23</b>	0.1	12	LR061697
Repair for B-pillar upper panel 'tick' - Right	<b>76.10.89.21</b>	0.1	12	LR061697
Repair for B-pillar upper panel 'creak' - Pair	<b>76.10.89.25</b>	5.3	12	LR061697
Repair for Cant Rail panel 'creak' noise - Left	<b>76.11.46</b>	0.3	12	LR061697
Repair for Cant Rail panel 'creak' noise - Right	<b>76.11.47</b>	0.3	12	LR061697
Repair for Cant Rail panel 'creak' noise - Pair	<b>76.11.48</b>	0.4	12	LR061697



**NOTE: Normal Warranty procedures apply.**

## **SERVICE INSTRUCTION:**

### **Repair for Cant rail panel 'creak' noise**

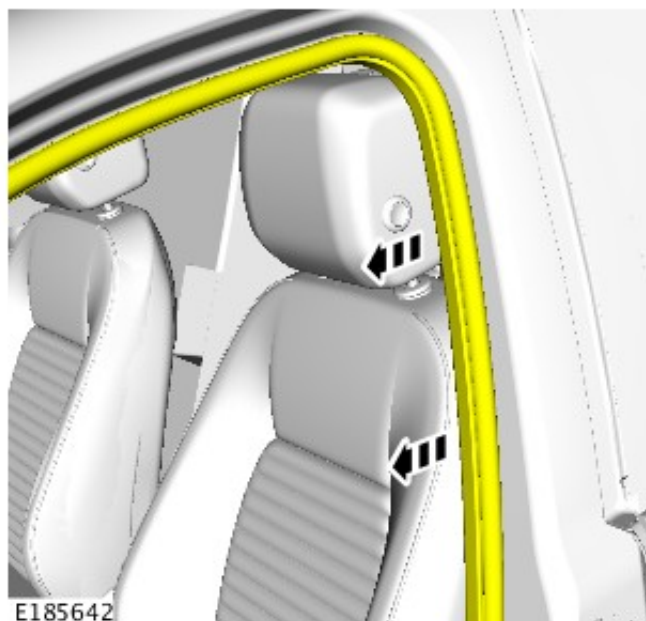


**WARNING: A suitable chisel with a blade width of no more than 12mm and a maximum thickness of 5mm must be used to complete this Service Instruction.**



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

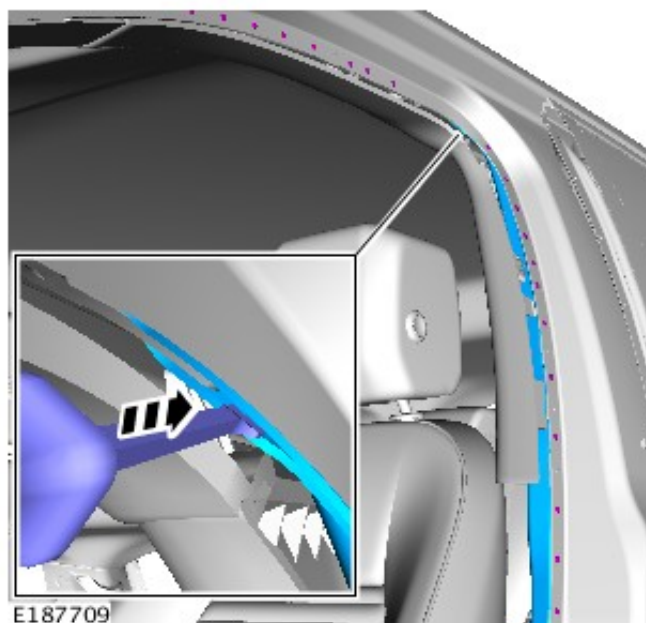
Move aside the front door aperture seal from the B-pillar.



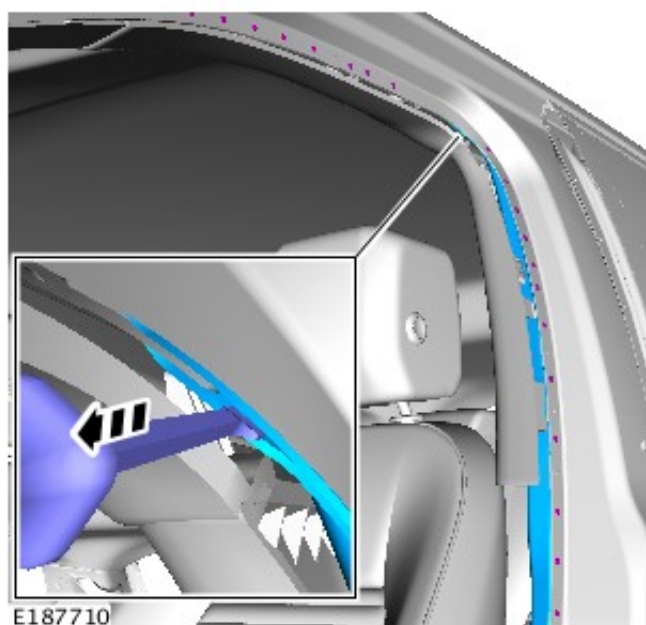
E185642

- 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.

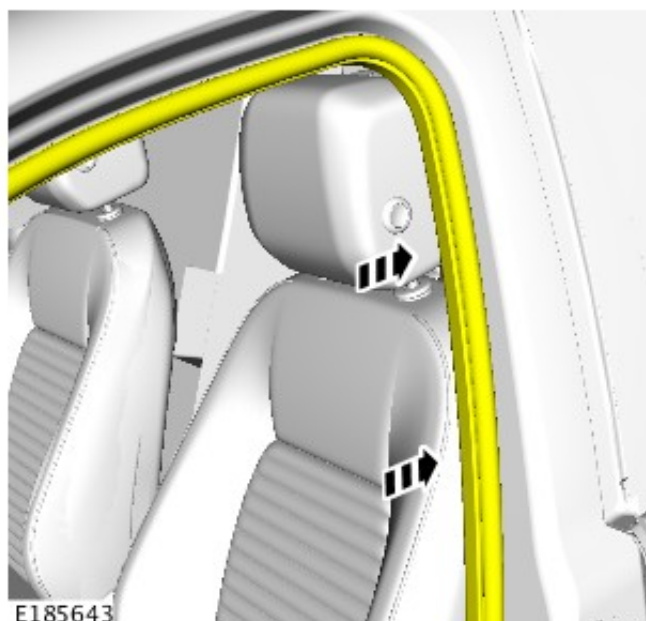


3. Remove the suitable chisel.



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

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



**5. Road test the vehicle.**

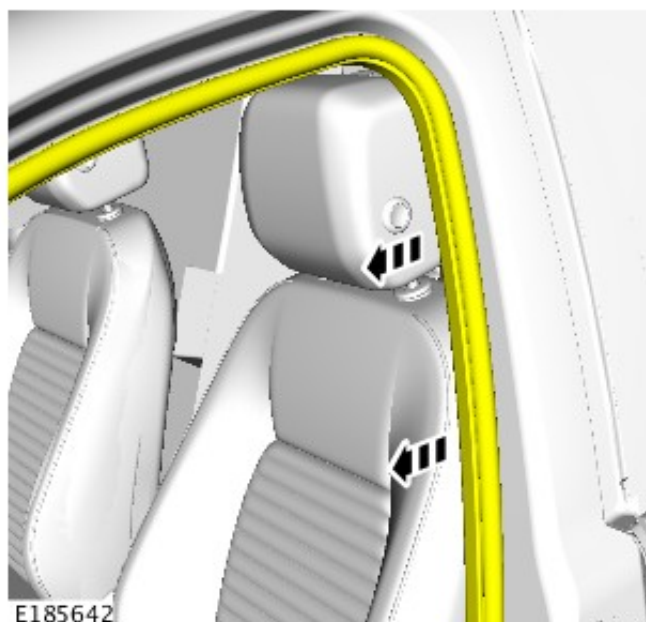
1. If the noise **cannot** be heard, return the vehicle to the customer.
2. If the noise **can** still be heard continue from Step 6 of this Service Instruction.

**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.



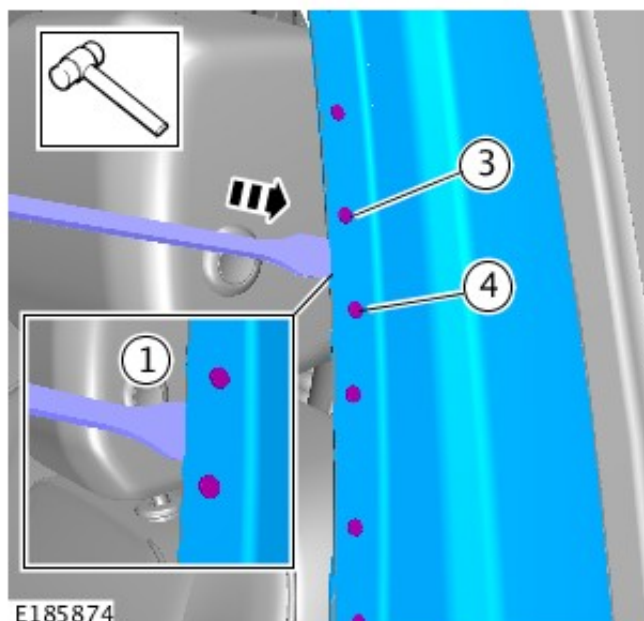
- 7. ⚠ WARNING: Make sure no damage is caused to the vehicle.**

**⚠ 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).



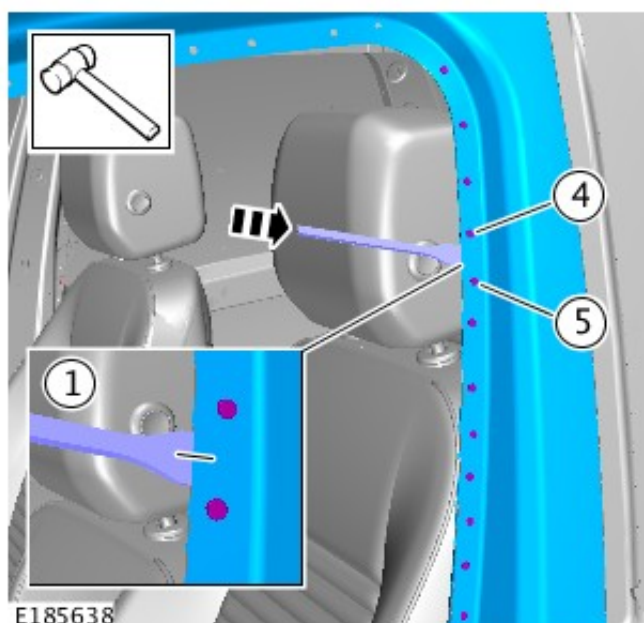
8.  **WARNING: Make sure no damage is caused to the vehicle.**

 **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).



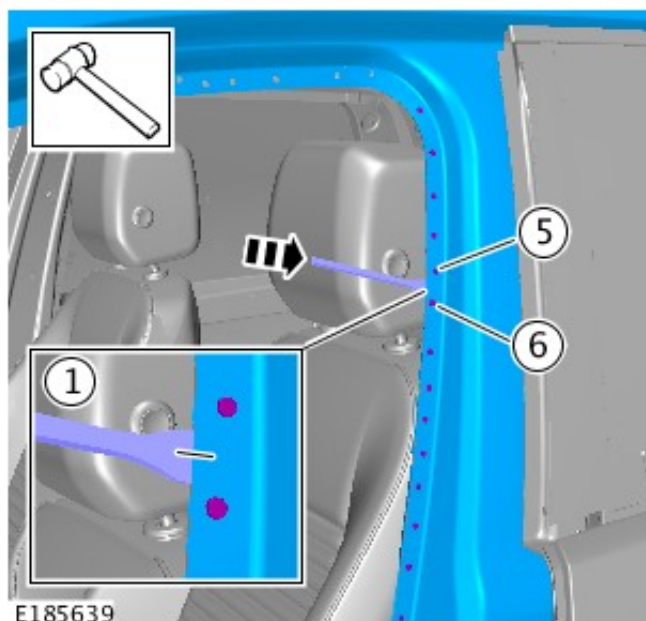
9.  **WARNING: Make sure no damage is caused to the vehicle.**

 **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.

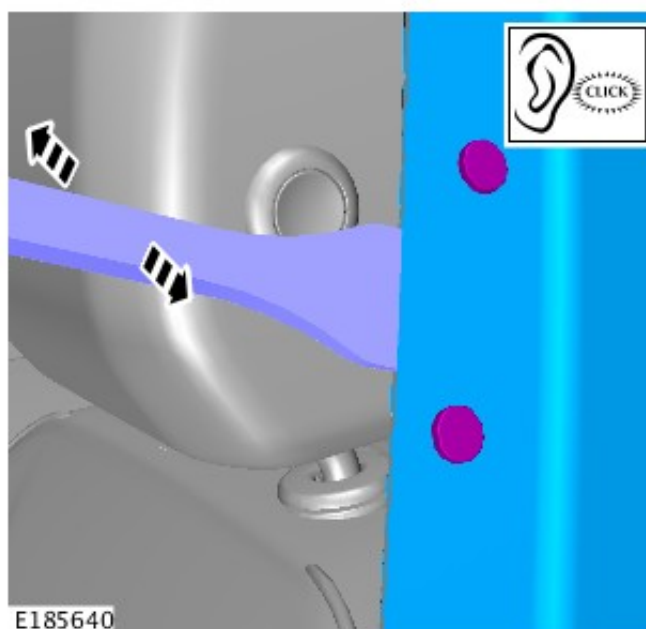
- Insert the suitable chisel to a maximum of 10mm (1).



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.

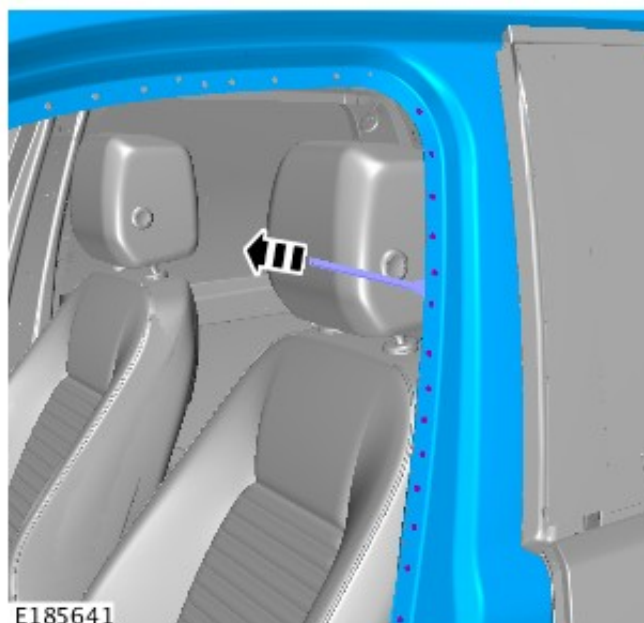


11.  **WARNING: Make sure no damage is caused to the vehicle.**


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


Remove the suitable chisel from the B-pillar.





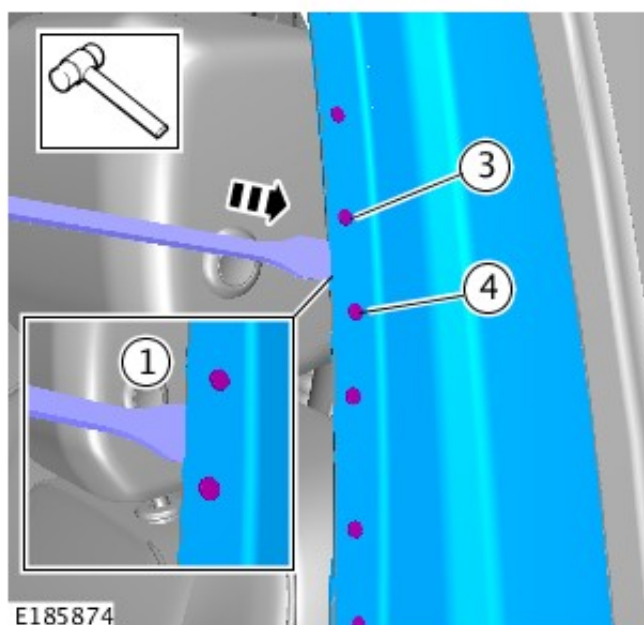
12.  **WARNING: Make sure no damage is caused to the vehicle.**

 **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.**

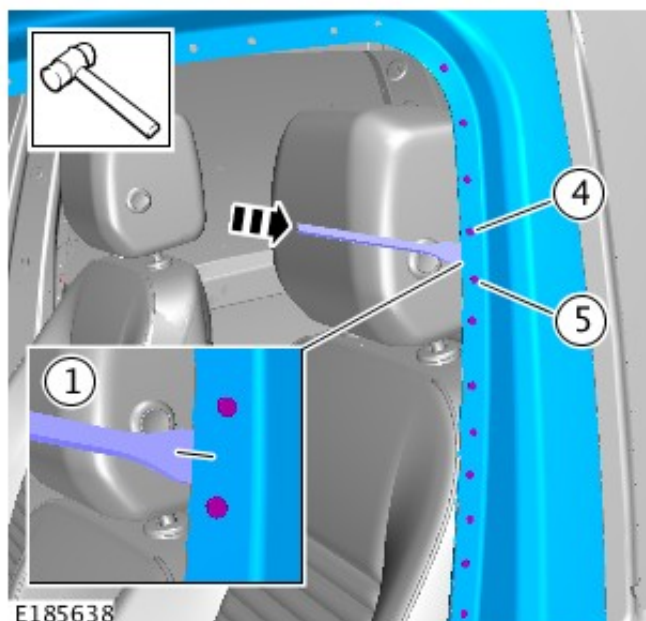
 **WARNING: The suitable chisel must be able to fit between the two spot welds when inserted without damaging the spot welds.**



**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.**



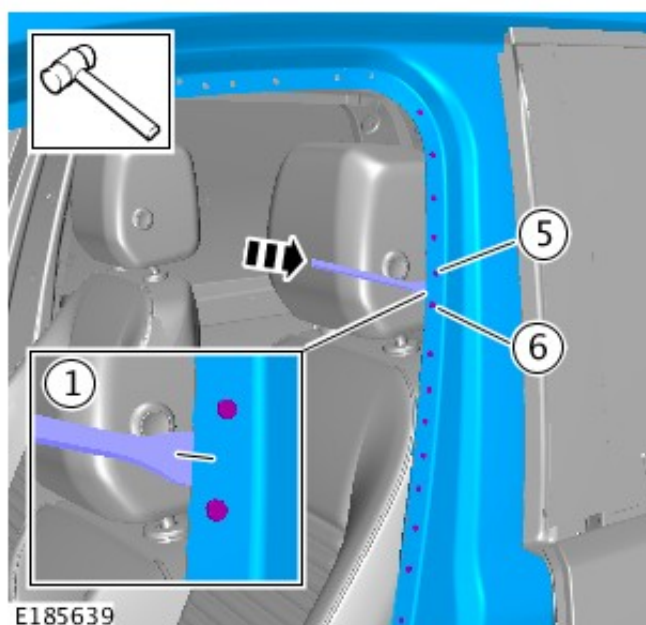
**WARNING: The suitable chisel must be able to fit between the two spot welds when inserted without damaging the spot welds.**



**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).



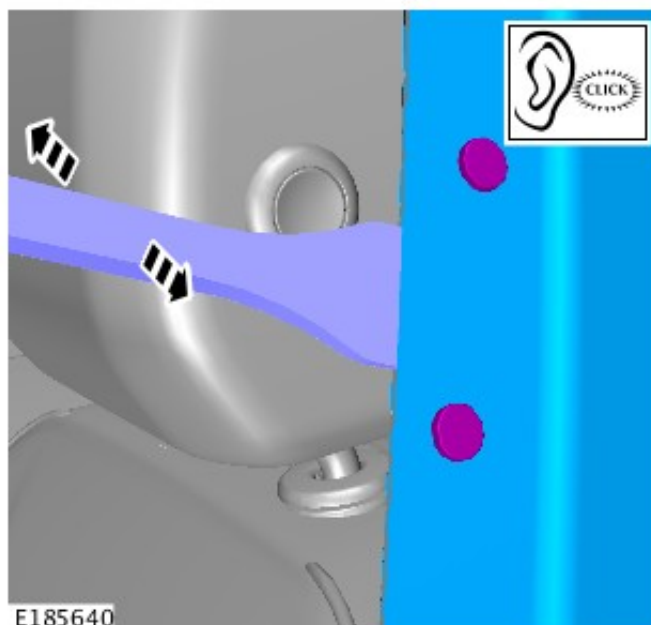
15. **WARNING: Make sure no damage is caused to the vehicle.**





**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.

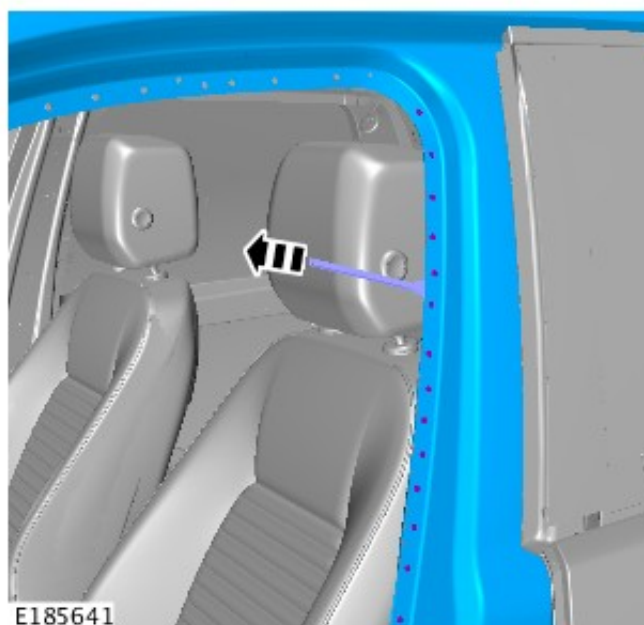


16. **WARNING: Make sure no damage is caused to the vehicle.**



**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.**

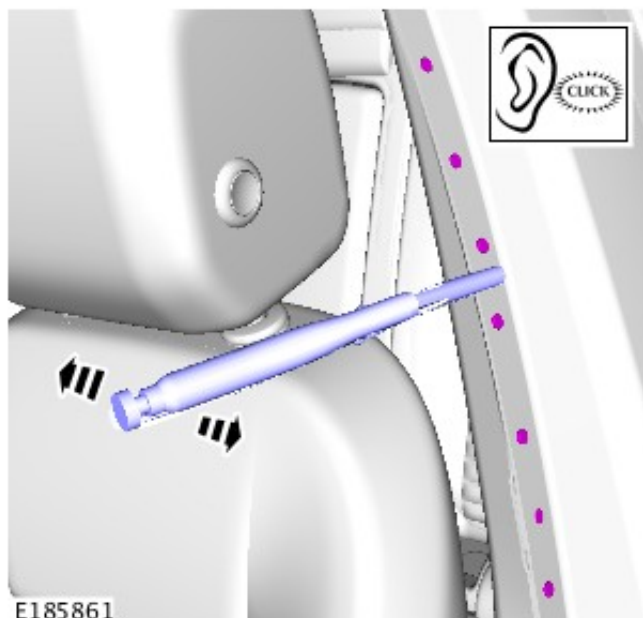


**WARNING: Use a suitable tape or protection so no damage is caused to the vehicle paintwork.**



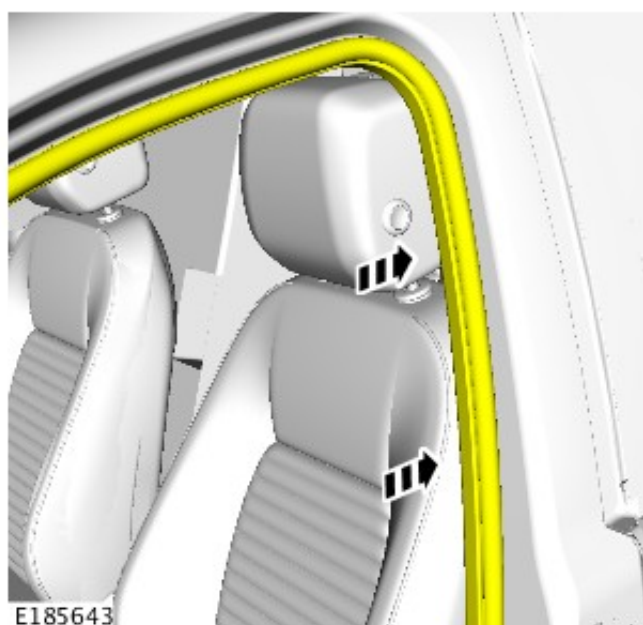
**NOTE: Repeat this step on both sides of the vehicle if required.**

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.

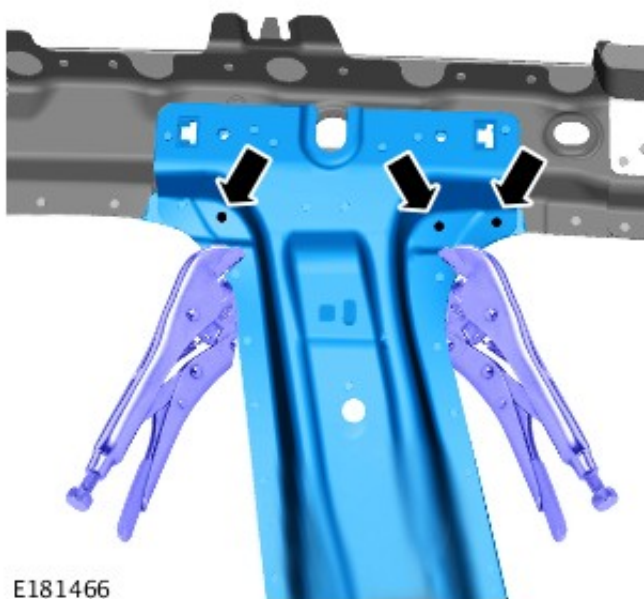


23. **CAUTION: Make sure no damage is caused to any part of the vehicle.**



**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.

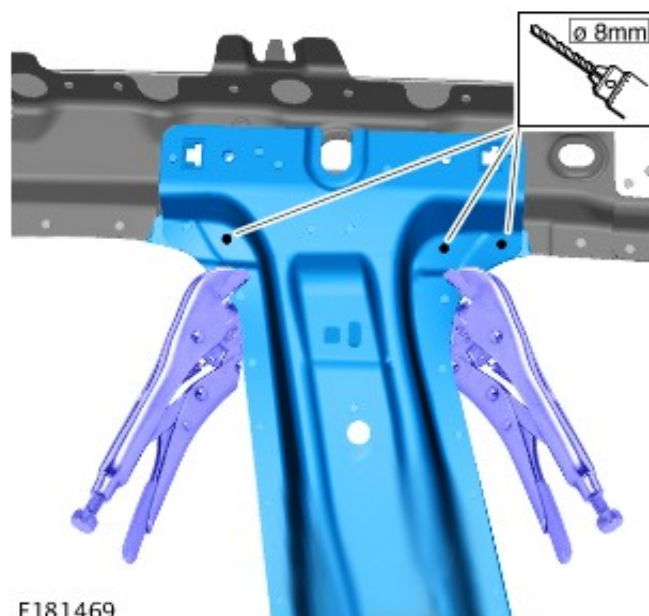


24. **CAUTION: Make sure no damage is caused to any part of the vehicle.**



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

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

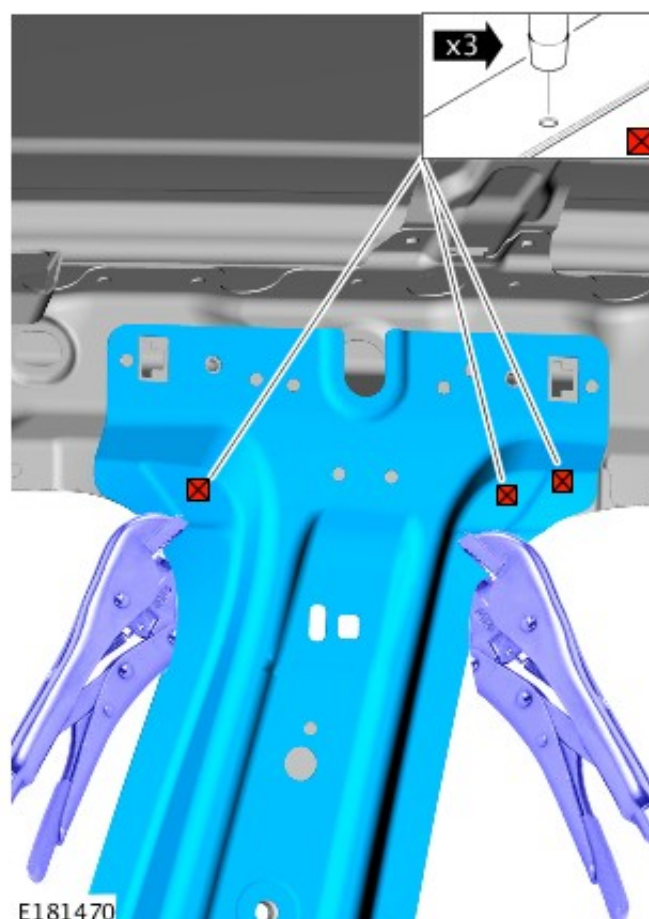


25.  **CAUTION:** Make sure no damage is caused to any part of the vehicle.

 **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.

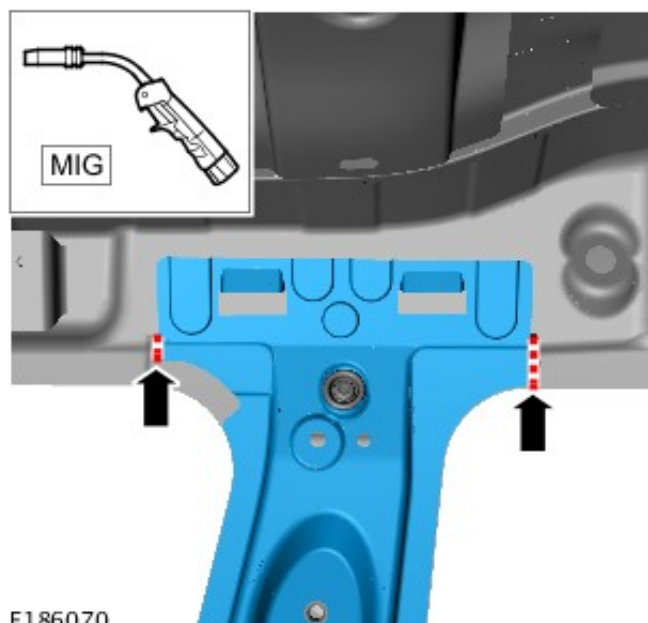
 **NOTE:** Repeat this Step on both sides of the vehicle.

 **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.

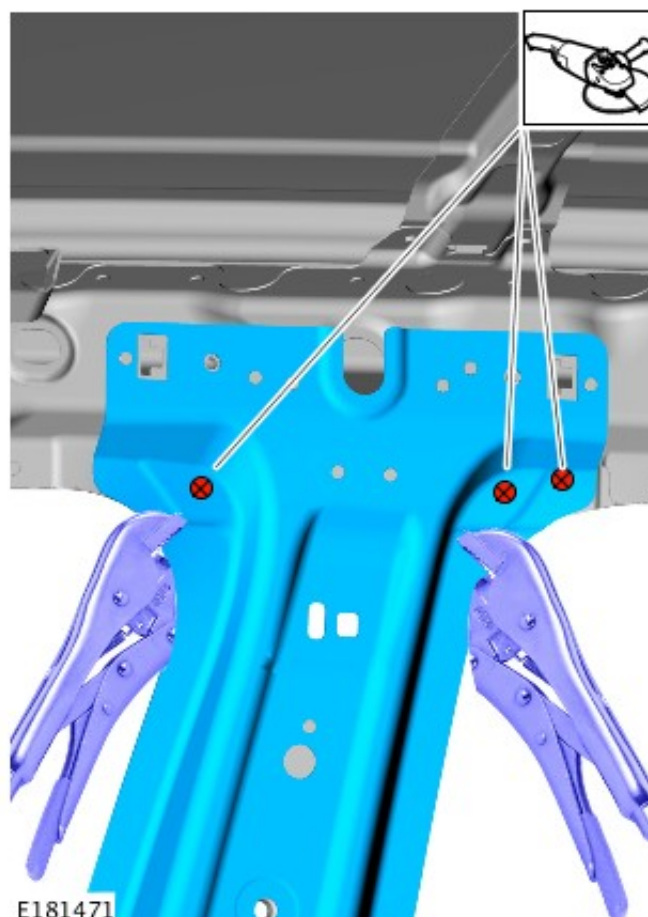


27.  **CAUTION: Make sure no damage is caused to any part of the vehicle whilst grinding.**

 **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.

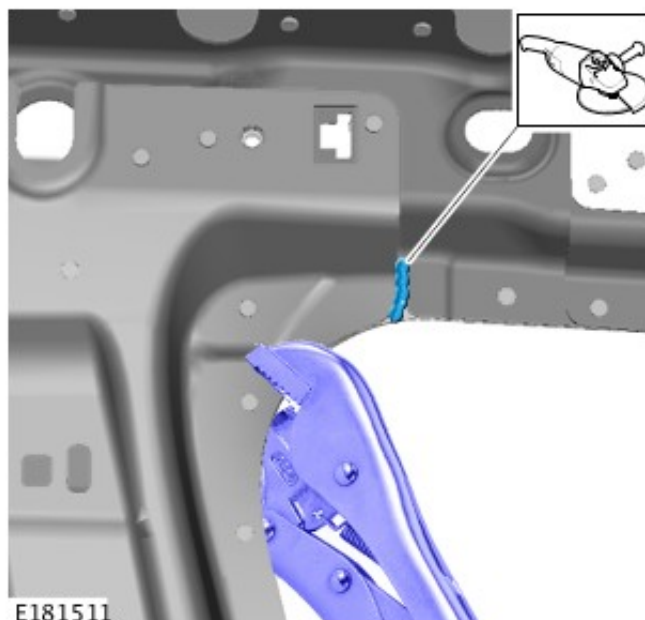


28.  **CAUTION: Make sure no damage is caused to any part of the vehicle.**

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

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



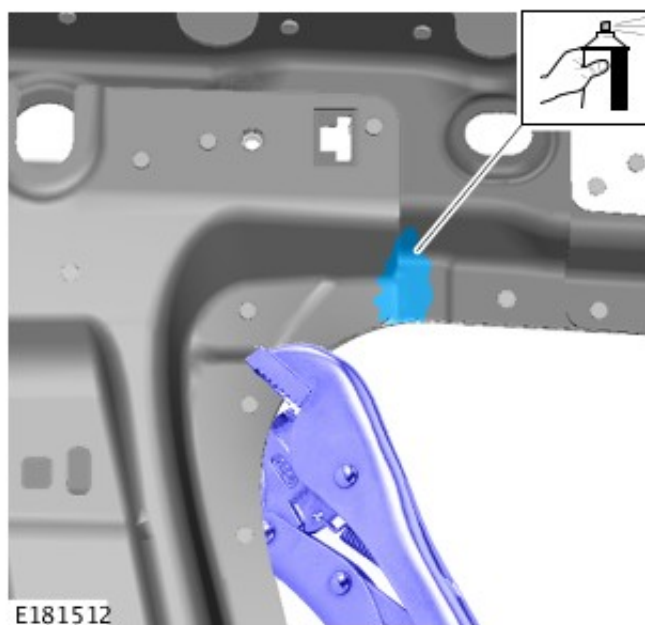


29.  **CAUTION:** Make sure no damage is caused to any part of the vehicle.

 **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.



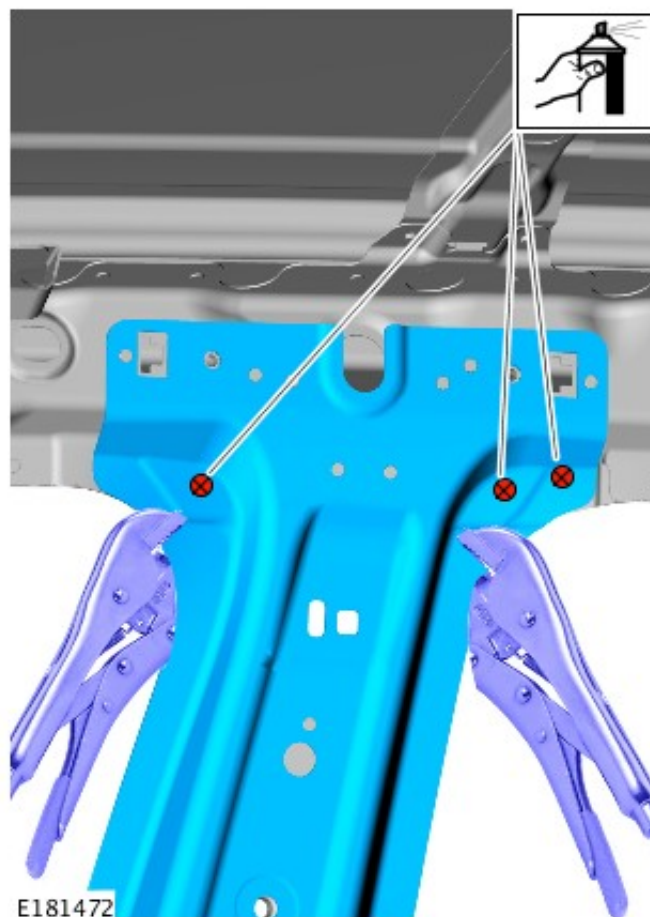
30.  **CAUTION:** Make sure no damage is caused to any part of the vehicle.

 **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).