



A Textron Company

## TECHNICAL BULLETIN

**505-18-12**

**PSL 700000291**

6 December 2018

**MODEL AFFECTED:** 505

**SUBJECT:** NEW INTERIOR PROTECTIVE PADS,  
INTRODUCTION OF

**HELICOPTERS AFFECTED:** Serial numbers 65011 through 65134, 65136  
through 65169.

[Serial number 65135, 65170 and subsequent will have the intent of this bulletin accomplished prior to delivery.]

**COMPLIANCE:** At customer's option.

### DESCRIPTION:

Bell has received field reports of cabin interior protective pads held in position with VELCRO® that disbond from the cabin structure. This is more likely to occur to those aircraft located in a hot and humid environment. To address this condition, Bell engineering has developed new interior protective pads, adding snaps to the interface to cabin that positively secures them in position rather than the use of VELCRO®.

Applicability of this bulletin to any spare part shall be determined prior to its installation on an affected helicopter.

### APPROVAL:

The engineering design aspects of this bulletin are Transport Canada Civil Aviation (TCCA) approved.

### CONTACT INFO:

For any questions regarding this bulletin, please contact:

**MANPOWER:**

Approximately 4 man-hours are required to complete this bulletin. This estimate is based on hands-on time and may vary with personnel and facilities available.

**WARRANTY:**

Owners / Operators of Bell Helicopters who comply with the instructions in this Bulletin will be eligible to receive non prorated replacement part as applicable, listed in the bulletin. Bell Helicopter has recently introduced enhancements to the VISTA Portal which allocates specific warranty entitlement for an aircraft by serial number. The Product Service Letter (PSL) number which will be listed below the bulletin number on the introduction page is going to be a required field when submitting a claim for replacement parts, labor, and/or freight. If you receive an ASB or TB that does not have a PSL number, then there is no warranty entitlement for that bulletin.

Labor entitlement: Yes      \$340.00 USD

To receive parts, labor, under warranty:

- Comply with the instructions contained in this Bulletin no later than the applicable date in the “compliance section”.
- If there is a PSL number identified in the bulletin you will be required to enter this PSL number which will validate warranty entitlement for the selected aircraft. Please ensure that you use the Bulletin tab on the warranty section in VISTA to file your claim.

NOTE: Customers who fail to comply with the instructions in this Bulletin before **December 6, 2019** will not be eligible for the special warranty listed above.

**MATERIAL:**

**Required Material:**

The following material is required for the accomplishment of this bulletin and may be obtained through your Bell Supply Center.

<u>Part Number</u>	<u>Nomenclature</u>	<u>Qty (Note)</u>
SLS-704-001-001	Interior Trim Retrofit Kit	1 (1)(7)
UAA6505-202-301-2	Longeron Pad	2 (2)(7)
UAA6505-203-301-1	Center pad LONG	1 (2)(7)
UAA6505-203-301-2	Center pad SHORT	1 (2)(3)(7)
UAA6505-202-900-2	Longeron Pad	2 (4)(7)
UAA6505-203-900-1	Center pad LONG	1 (4)(7)

UAA6505-203-900-2	Center pad SHORT	1 (3)(4)(7)
UAA6505-202-946-2	Longeron Pad	2 (5)(7)
UAA6505-203-946-1	Center pad LONG	1 (5)(7)
UAA6505-203-946-2	Center pad SHORT	1 (3)(5)(7)
UAA6505-202-965-2	Longeron Pad	2 (6)(7)
UAA6505-203-965-1	Center pad LONG	1 (6)(7)
UAA6505-203-965-2	Center pad SHORT	1 (3)(6)(7)

**NOTES:**

- This kit consists of the following:
  - SLS-704-001-005 Center pad template (Qty 1)
  - SLS-704-001-007 Longeron pad template (Qty 1)
  - NAS9301B-4-02 Rivet (Qty 20)
  - 120-066-1 Stud (Qty 20)
- Required for Standard (corporate) interior basic color black (vinyl).
- Extends coverage of the center pad for aircraft not equipped with Bell / Paravion air conditioning kit PR-505AC-120M.
- Required for Premium interior color black (leather).
- Required for Premium interior color grey (leather).
- Required for Premium interior color tan (leather).
- Concurrently to ordering SLS-704-001-001 retrofit kit Qty 1, order Qty 2 longeron pads and Qty 1 center pad, **color and material coordinated as required**. Aircraft not equipped with Bell / Paravion Technology air conditioning kit PR-505AC-120M will need to order additionally the Qty 1 of a short pad color and material coordinated as required refer to Note 3.

**Consumable Material:**

The following material is required to accomplish this bulletin, but may not require ordering, depending on the operator's consumable material stock levels. This material may be obtained through your Bell Supply Center.

<u>Part Number</u>	<u>Nomenclature</u>	<u>Qty (Note)</u>	<u>Reference *</u>
Commercial	Isopropyl alcohol	AR	C-285

\* C-XXX numbers refer to the consumables list in the BHT-ALL-SPM, Standard Practices Manual

**SPECIAL TOOLS:**

None required.

**WEIGHT AND BALANCE:**

Not affected.

**ELECTRICAL LOAD DATA:**

Not affected.

**REFERENCES:**

None required.

**PUBLICATIONS AFFECTED:**

BHT-505-IPC Illustrated Parts Catalog, Chapter 25  
BHT-505-MM Maintenance Manual, Chapter 25

**ACCOMPLISHMENT INSTRUCTIONS:**

1. Prepare the helicopter for maintenance.
2. Remove and discard the right, left, and center interior protective pads located above the passenger seats.
3. Remove and discard the VELCRO® strips from the cabin structure that were used to secure the protective pads in step 2.
4. Clean remaining adhesive residue from VELCRO® on cabin structure with Isopropyl alcohol (C-285).

-NOTE-

Prior to positioning the drill template SLS-704-001-005 and SLS-704-001-007 onto the cabin structure, ensure the pilot holes are in line with the snaps installed onto the pads (Figure 1).

5. Locate drill template SLS-704-001-005 onto the cabin structure center left-hand side (LHS), (Figure 2, Sheet 1 of 2).
  - a. If equipped with Bell / Paravion Technology air conditioning kit PR-505AC-120M, cut off template end at 1 inch (25.4 mm) forward of the pilot hole as shown (Sheet 2 of 2).
6. Ensure the template is positioned aft against the center post fitting face and against the roof with LHS decal and arrow displayed upright (Sheet 1 of 2).

**CAUTION**

The use of a drill stop is recommended to prevent damage to the center post. Ensure not to contact other equipment on the back side.

-NOTE-

Five pilot holes are required for cabins equipped with the Bell / Paravion Technology air conditioning kit PR-505AC-120M, and seven pilot holes are required for those cabins without the air conditioning kit.

7. Match drill the pilot holes from the template into the cabin center post flange.
8. Repeat steps 5 through 7 for the center cabin post right-hand side (RHS) (Figure 3), with the exception to ensure the template is positioned aft against the center post fitting face and against the roof with **RHS** decal and arrow displayed upright.
9. Locate drill template SLS-704-001-007 onto the right-hand side (RHS) cabin longeron (Figure 4).
10. Ensure the template is positioned aft against the bulkhead clip face and mate against the longeron contour (Figure 4).

**CAUTION**

The use of a drill stop is recommended to prevent damage to the longeron.

11. Match drill the pilot holes into the cabin longeron. Three pilot holes are required.
12. Repeat steps 9 through 11 for the side cabin longeron left-hand side (LHS).

**CAUTION**

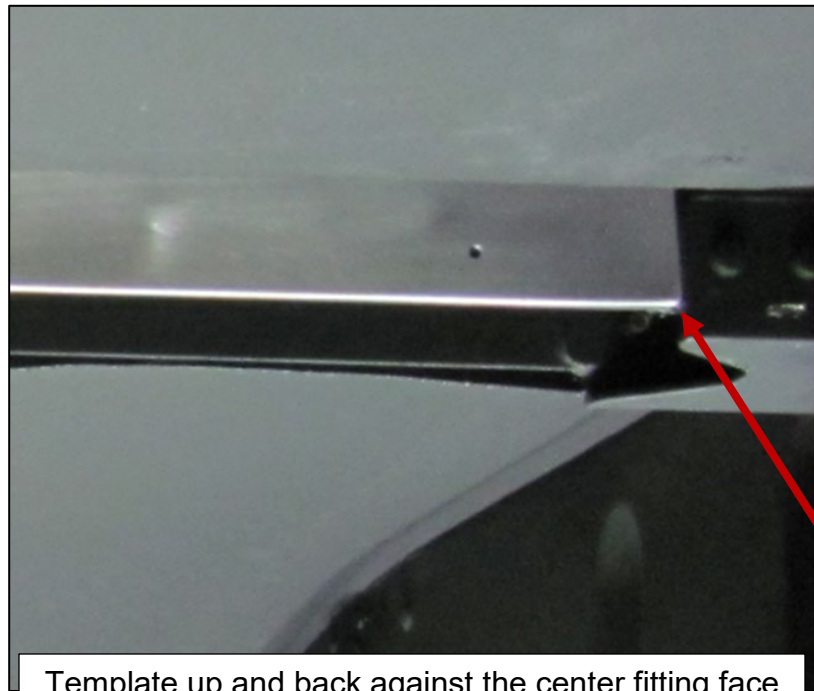
The use of a drill stop is recommended to prevent damage to the longeron.

13. Enlarge all pilot holes in structure to 0.129 to 0.132 inch (3.277 mm to 3.353 mm).
14. Deburr all fastener holes.
15. At each hole, install studs 120-066-1 using rivet NAS9301B-4-02.
16. Snap into position the long center replacement protective pad as was selected from the **Required Materials** list. For those cabins not equipped with the air conditioning

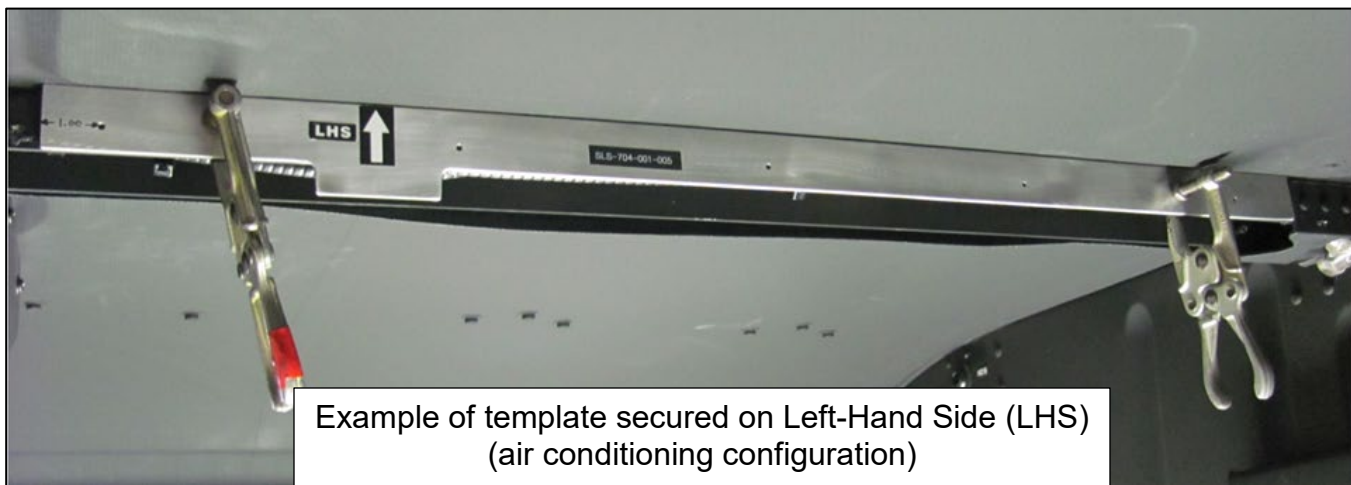
kit, snap into position the additional short center interior replacement protective pad (Figure 1) as was selected from the **Required Materials** list.

17. Install the longeron RHS and LHS replacement protective pads as was selected from the **Required Materials** list. To install, slip in position the pad's J track onto the longeron edge then snap into position on the studs (Figure 5).
18. Make an entry in the helicopter logbook and historical service records indicating compliance with this Technical Bulletin.





Template up and back against the center fitting face



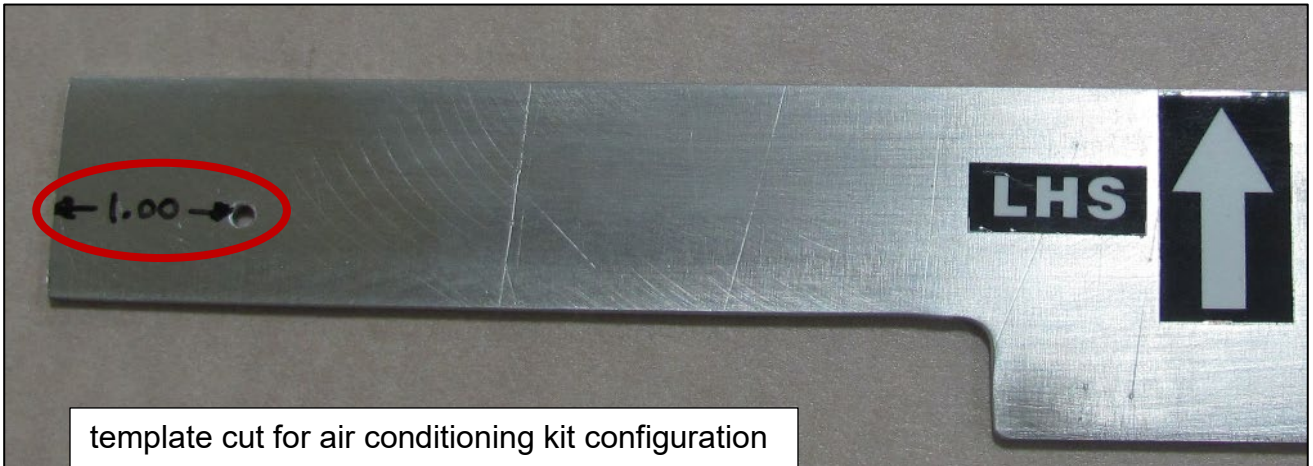
Example of template secured on Left-Hand Side (LHS)  
(air conditioning configuration)

**Figure 2** – Center Pad Template SLS-704-001-005 (Sheet 1 of 2)



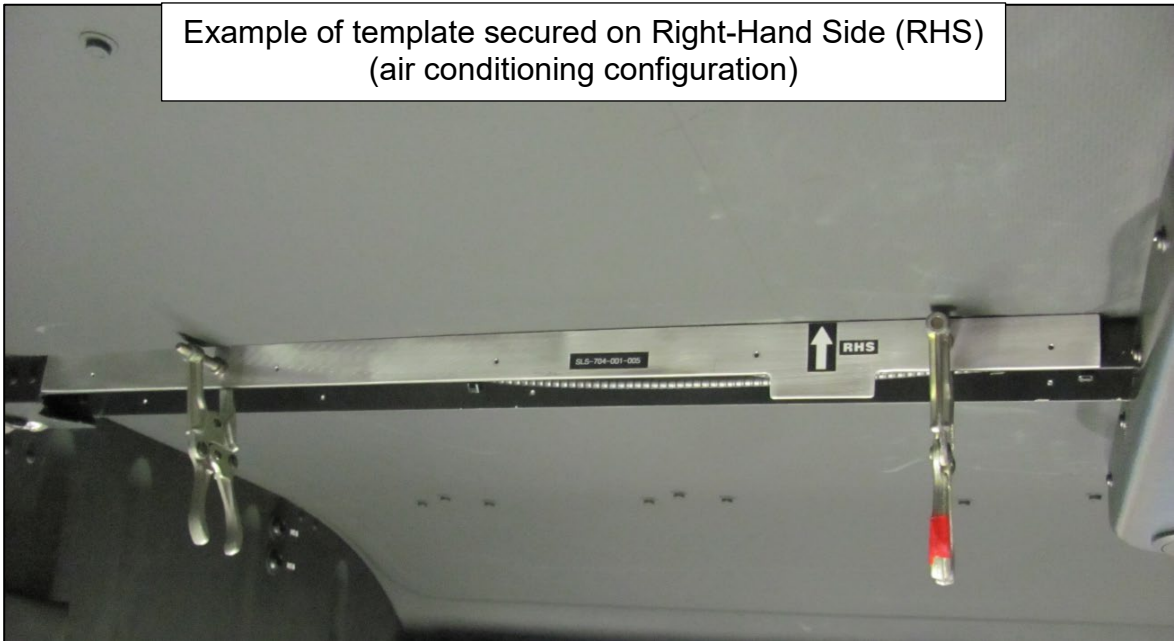


Cut template SLS-704-001-005, 1 inch (25.4 mm) forward of the pilot hole as shown. This is required only if the Bell / Paravion Technology air condition kit is installed. The following image shows the template once cut.

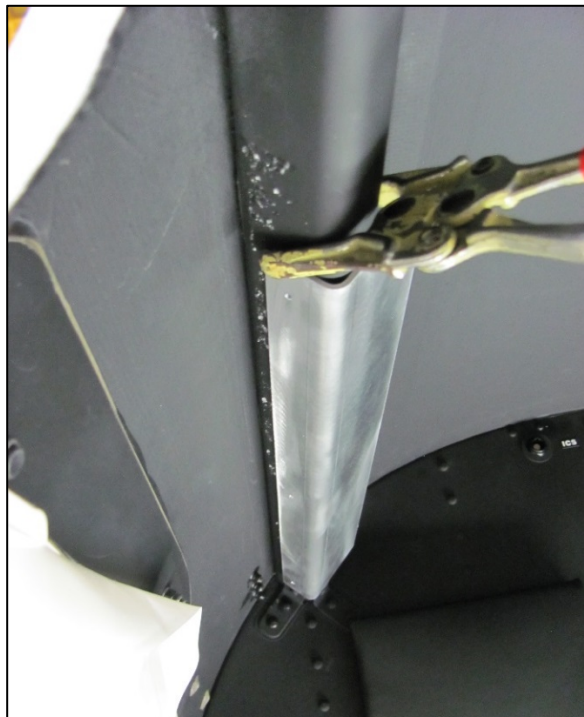


**Figure 2** – Center Pad Template SLS-704-001-005 (Sheet 2 of 2)

Example of template secured on Right-Hand Side (RHS)  
(air conditioning configuration)



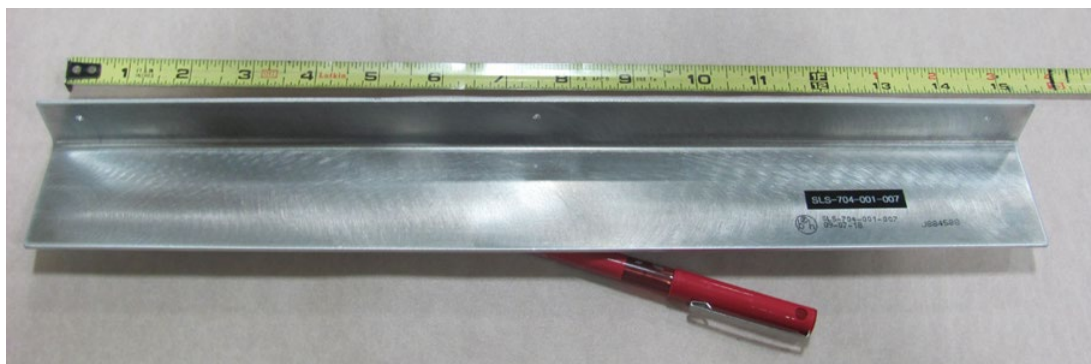
**Figure 3** - Template SLS-704-001-005 Right-Hand Side (RHS)



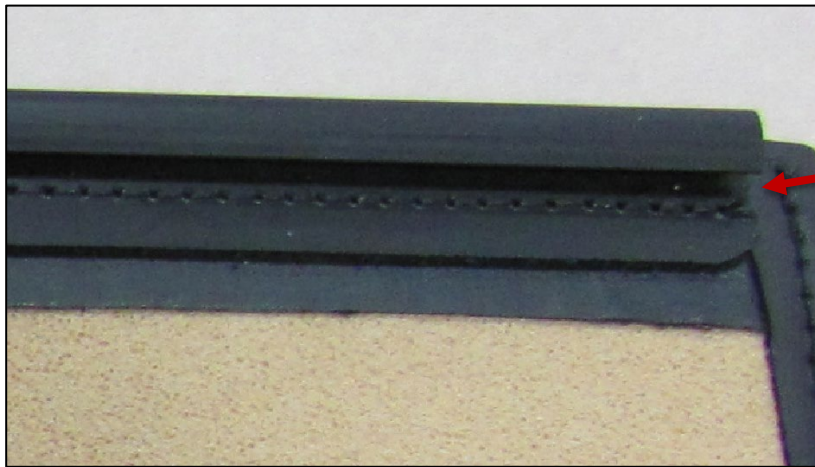
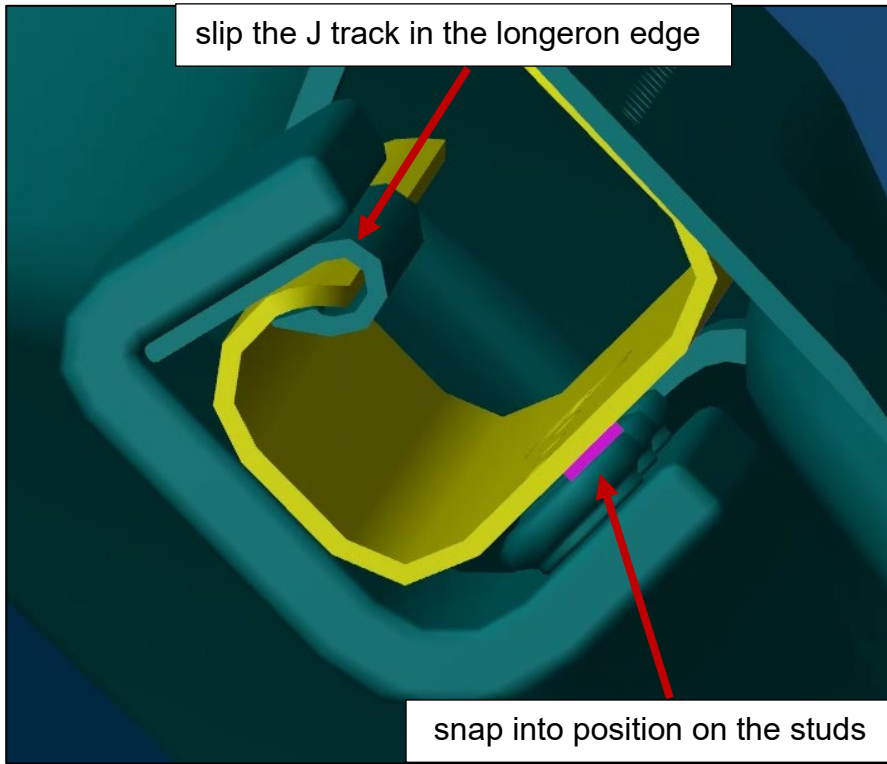
Template SLS-704-001-007 secured on RHS



Template RHS looking outboard from inside the cabin aft against the bulkhead clip face.



**Figure 4** - Longeron Pad Template SLS-704-001-007



**Figure 5 - Longeron Pad Installation**