SERVICE BULLETIN

Equipment/Furnishings
Passenger Compartment

Inspection, Check and Replacement of Hook Assembly P/Ns 505960-401 and 502737-459

All Aircraft Types Affected
SERVICE BULLETIN

Transmittal Sheet

TO: Holders of SB505960-01, dated 06-Aug-2018. This page transmits issue 5.

Revision Highlights

A complete reissue of SB505960-01 accomplishes the changes summarized below. Remove and replace SB505960-01.

<table>
<thead>
<tr>
<th>Page(s)</th>
<th>Correction/Update</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 of 13</td>
<td>Change the note following Table 1 to Step 2 and revised the content.</td>
</tr>
<tr>
<td>5 of 13</td>
<td>Corrected punctuation in section 1.2 and corrected grammar in section 1.3.</td>
</tr>
<tr>
<td>6 of 13</td>
<td>Corrected the reference to RC Step 3 in the second bullet at the top of the page. Corrected the reference to sections in the third bullet at the top of the page. Removed information on time to determine the DMF from the bulleted list in section 1.6. Corrected grammar and references to sections in the fourth bullet in section 1.6.</td>
</tr>
<tr>
<td>7 of 13</td>
<td>Corrected punctuation in AmSafe’s address in section 2.1.</td>
</tr>
<tr>
<td>8 of 13</td>
<td>Corrected punctuation in the first bullet in section 3. Corrected grammar, punctuation and references to sections in the bullets in section 3.1.</td>
</tr>
<tr>
<td>10 of 13</td>
<td>Revised step i to reference section 2.1.</td>
</tr>
<tr>
<td>11 of 13</td>
<td>Revised step i to reference section 2.1.</td>
</tr>
<tr>
<td>12 of 13</td>
<td>Revised the name of the certification manager.</td>
</tr>
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</table>
Record of Revisions

Retain this record at the front of the service bulletin. On receipt of an issue, record incorporation of the issue on this sheet.

<table>
<thead>
<tr>
<th>Issue</th>
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<tr>
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<td>5</td>
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Planning Information

1.1 Effectivity

This service bulletin applies to restraints with a date of manufacture (DMF) between March, 2011 and July, 2015 that have hook assemblies with exposed springs.

   Note: Some steps and compliance deadlines are required for compliance (RC) with the Federal Aviation Administration (FAA) airworthiness directive (AD).

   Note: The restraint part number is located in the illustrated parts list in the instruction for continued airworthiness (ICA) or component maintenance manual (CMM).

RC Step 1. Find the restraint part number in Table 1.

   Step a. If the restraint’s part number is not in Table 1 you are done with this service bulletin.

   Step b. If the restraint’s part number is in Table 1, proceed with this service bulletin.

Table 1 – Affected Restraint Part Numbers

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</table>

Step 2. Determine if the hook assembly has exposed springs by looking for exposed springs on the hook assembly (RC Step 3).

RC Step 3. Find the hook assembly (Figure 1 and Figure 2) on the connector half and the buckle half.

   Step a. If the hook assembly on the connector half and the buckle half does not have exposed springs (Figure 1) you are done with this service bulletin.

   Step b. If the hook assembly has exposed springs (Figure 2) proceed with this service bulletin.
1.2 Reason
Hook assemblies with exposed springs are subject to damage (e.g. compressed springs, bends, rotation or deformation).

1.3 Description
This service bulletin ensures hook assemblies do not have exposed springs by providing the criteria and instruction to identify and replace restraints.

1.4 Compliance
Compliance must be accomplished by November 6, 2022.
RC: Compliance is accomplished:

- If the restraint part number is not in Table 1 (refer to section 1.1, RC Step 1).
- The hook assembly does not have exposed springs (refer to section 1.1, RC Step 3).
- Upon completion of the visual inspections and functional checks (refer to sections 3.2 and 3.3).

1.5 Approval

This service bulletin contains no modification information that revises the approved configuration and therefore does not require FAA or other regulatory agency approval. This service bulletin has been approved by AmSafe only. The FAA TSO approval of the restraint system is unaffected by this service bulletin.

1.6 Manpower

Time to accomplish this service bulletin varies depending on a number of factors (e.g., accessibility to the hook assembly part number, accessibility to the hook assembly itself or readability of the part number on the label, etc.)

- Time to determine if the restraint’s part number is in Table 1 is less than a minute per restraint (refer to section 1.1, RC Step 1).
- Time to determine if the hook assembly has exposed springs is less than a minute per restraint (refer to section 1.1, RC Step 3).
- Time to accomplish a visual inspection and functional check is less than five minutes per restraint (refer to section 3.2 and 3.3).
- Time to remove, return and replace restraints varies (refer to sections 3.2 and 3.3).

1.7 Weight and Balance

Restraints without exposed springs (Figure 1) weigh 6 grams more than restraints with exposed springs (Figure 2).

1.8 Electrical Load Data

None.

1.9 Software Accomplishment Summary

None.

1.10 References

None.

1.11 Other Publications Affected

None.
1.12 Interchangeability or Intermixability of Parts

Interchanging or intermixing restraints is not allowed. Restraints with exposed springs on the hook assembly must be returned to AmSafe.

2 Material Information

2.1 Material - Price and Availability

Two options are available to receive restraints that comply with this service bulletin.

1. For restraints that are not removed, issue a purchase order with the following items to AmSafe for the quantity of restraints required. After installing the new restraints, return the removed restraints for full credit. Reference “Service Bulletin: SB505960-01” in documents that accompany the returned restraints.

- Restraint part number
- Quantity

2. For restraints that were removed, obtain replacement restraints by contacting AmSafe Customer Service and creating a purchase order with the following information.

- Restraint part number
- Quantity
- RMA number
- Name of airline/operator
- Shipping address

Return restraints to the following location.

AmSafe
1043 N. 47th Avenue
Phoenix, Arizona 85043
customerservice-new@amsafe.com
Telephone: +1(602) 850-2850
Fax: +1(602) 850-2812

2.2 Industry Support Information

None.

2.3 Material Necessary for Each Aircraft/Engine/Component

None.

2.4 Material Necessary for Each Spare

None.
2.5 Reidentified Parts
None.

2.6 Tooling - Price and Availability
None.

2.7 Warranty
AmSafe warranty remedies are available for the restraints in the materials price and availability section of this service bulletin.

3 Accomplishment Instructions

Both a visual inspection and a functional check must be performed at the intervals in section 3.1. The intervals provide customers a flexible means to inspect and replace restraints. The intervals are based on compliance to issue 2 (dated 05-Jan-2018) of this service bulletin.

SB505960-01, issue 2, section 1.5 (compliance): “This service bulletin must be accomplished by November 6, 2022. Inspections defined within this service bulletin are required to be performed initially within 180 days of the date of this document. Subsequent inspections shall be performed during the next heavy maintenance check within intervals not exceeding 24 months. Upon replacement of the restraint systems identified herein either as a result of actions defined within this service bulletin, replacement due to service life end or general attrition, the actions required within this service bulletin will be fully realized and terminated.”

- Customers who complied with issue 2 of this service bulletin may proceed on their current schedule for the remaining intervals in section 3.1. All affected restraints must be replaced by November 6, 2022.
- Customers who did not comply with issue 2 of this service bulletin must comply with all intervals in section 3.1. All affected restraints must be replaced by November 6, 2022.

3.1 Intervals

- RC first interval: perform a visual inspection and the first functional check within 180 days from the date of this service bulletin by following the procedures in sections 3.2 and 3.3.
- RC remaining intervals: repeat a visual inspection and a functional check at every heavy maintenance check or every 24 months (whichever occurs first) by following the procedures sections 3.2 and 3.3.

3.2 Visual Inspection Procedure

**WARNING:** FAILURE TO FOLLOW INSTRUCTION IN THE ICA OR CMM MAY RESULT IN DEATH OR INJURY TO PERSONNEL.

RC Step 1. Obtain the applicable ICA or CMM and follow the instructions in the removal and replacement section to disconnect the connector half and buckle half from the seat or aircraft structure.
RC Step 2. Visually examine the hook assembly for damage (e.g., compressed springs, bends, rotation or deformation of the bridge along the X axis, Y axis or Z axis) that would restrict movement or function (Figure 3 and Figure 4).
Step a. If there is no evidence of damage the visual inspection is complete. Perform a functional check following the procedure in section 3.3.

Step b. If there is evidence of damage a functional check is not required.

   Step i. Return the restraint to AmSafe by following the instructions in section 2.1 and by following the shipping and handling instructions in the ICA or CMM.

   Step ii. Upon receipt of a new restraint from AmSafe, install the new restraint following the instructions in the ICA or CMM.

3.3 Functional Check Procedure

RC Step 1. Compress and release the spring keeper.

   Step a. The spring keeper should easily compress and release. There should be no deformation or damage preventing the spring keeper from fully compressing and releasing.

   Step b. The spring keeper should return to a closed position. The closed position is achieved when the spring is firmly engaged/pressed and the keeper is against the hook, creating “closed loop” (Figure 5). There should be no deformation or damage preventing the spring keeper from returning to a closed position.
Figure 5 – Spring Keeper and Closed Loop

Step c. If the spring keeper easily compresses and releases and returns to the closed position the functional check is complete.

Step d. If the spring keeper does not easily compress and release, or the spring keeper does not return to a closed position, return the restraint to AmSafe.

Step i. Return the restraint to AmSafe by following the instructions in section 2.1 and by following the shipping and handling instructions in the ICA or CMM.

Step ii. Upon receipt of a new restraint from AmSafe, install the new restraint following the instructions in the ICA or CMM.
SERVICE BULLETIN

4 Approval Signatures

Prepared By: Jeanette Buenger 06-Aug-2018
Jeanette Buenger, Technical Writer

Approved By: Kevin Keeslar, Director of Engineering, Airbags 01/20/18

Approved By: Matt Browning, Engineering Manager, Two-Point Restraints 08/20/18

Approved By: For Jack Riley, Manager, Quality Assurance 20 August 2018

Approved By: Daniel Londonson, Manager, Certification 08/20/18

Approved By: Giuseppe Gullotto, Director of Engineering 20 August 2018

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602-850-2850
800-226-1967

ATA 25-20-01 and 25-10-01
SB505960-01, Issue: 5
Page: 12 of 13
Date: 06-Aug-2018
Notice of Service Bulletin Compliance for SB505960-01, Issue: 5

The notice of service bulletin compliance may be emailed or mailed.

Email:
- jriley@AMSAFE.com
- Subject: “Notice of Service Bulletin Compliance for SB505960-01, Issue: 5”

Mail:
AmSafe Inc.
Attn.: Quality Assurance
1043 N. 47th Avenue
Phoenix, Arizona 85043
Telephone: +1(602) 850-2850
Fax: +1(602) 850-2812

RE: Notice of Service Bulletin Compliance for SB505960-01, Issue: 5

AmSafe Quality Assurance:

This letter is to inform AmSafe that SB505960-01, issue: 5 was complied with as indicated as indicated in the compliance section of the document.

Restraint Part No.: ____________________________________________
Airline: ______________________________________________________
Method of Compliance: _________________________________________

________________________________________
Print Name

________________________________________
Signature

________________________________________
Address

________________________________________
Date