REPLACEMENT OF ROTARY BUCKLE

SERVICE BULLETIN NUMBER
1150004-25-A01
ISSUE 7

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RECORD OF REVISIONS

Retain this record at the front of the Service Bulletin. On receipt of a revision, amend as instructed in the letter of transmittal and record the incorporation of the revision on this sheet. Retain the letter of transmittal following record.

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1. **PLANNING INFORMATION**

A. **Effectivity**

This Service Bulletin is applicable to the Restraint System Assemblies installed on the pilot and copilot seats using the 1150004-SERIES Rotary Buckles (see Figure 1) manufactured December 2013 to April 2016.

![Figure 1: 1150004-SERIES Rotary Buckles](image)

The manufacturing date can be determined from the manufacturing code on the buckle label (located on the back surface of the buckle) which is formatted MM/DD/YY where “MM” is the month, DD is the day, and “YY” is the year. The restraint systems that this service bulletin applies to are manufactured by AmSafe, Inc and include but are not limited to the following base restraint part numbers:

<table>
<thead>
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<th>0150001-()-()</th>
<th>1180003-()-()</th>
<th>1180011-()-()</th>
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<td>1180002-()-()</td>
<td>1180010-()-()</td>
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B. **Classification**

Article Manufacturer’s Recommendation

C. **Compliance**

AmSafe recommends that the inspection instructions in this Service Bulletin be done within 30 days after receipt of this Service Bulletin, with closing action within 180 days of inspection.

D. **Reason**

AmSafe has determined that a fastener may not have received the correct placement of thread locker which may allow the buckle cover to loosen and impairing proper function of the buckle. A buckle with this condition will hinder egress. All operators should inspect all of their restraint PNs affected by this Service Bulletin. If the buckle build date is outside the date range...
indicated in paragraph 1.A., (see Paragraph 2.A. for information on identifying the build date) then no further action is necessary. If the buckle build date is within the date range of this service bulletin, or if the build date is illegible or missing, check the buckle cover (front face that rotates to release the buckle). Viewing the buckle from the side, grasp the cover with one hand and attempt to rock the cover back and forth relative to the parallel plane of the buckle base (See Figure 2). If the cover is able to rock, so that there is a changing gap width between the buckle cover and buckle base, then the buckle must be replaced immediately.

![Figure 2: Inspect the Cover for Looseness](image)

If the above condition does not exist, the restraint can be returned to service, the buckle to be replaced within 180 days of the inspection, during a suitable maintenance interval, per §2 (Accomplishment Instruction). Buckles replaced under this service bulletin, whether due to manufacturing date within the build dates indicated or an illegible manufacturing date on the label shall be free of charge.

**E. Description**

This Service Bulletin provides instructions for Buckle replacement on aircraft by operator and manufacturer.

**F. Approval**
This Service Bulletin contains no modification information that revises the approval configuration and therefore does not require FAA/CAA or other regulatory agency approval. This Service Bulletin has been approved by AmSafe only. FAA TSO approval of the Restraint System Assembly is unaffected.

G. Manpower

Buckle Assembly testing and, if necessary, component replacement is estimated to require less than fifteen (15) minutes per seat position.

Note: The estimate does not include lost time, for example:
- Time to schedule the work.
- Shipping, receiving or other administrative tasks required to complete this Service Bulletin.

H. Warranty

AmSafe warranty remedies are available for those Lap Belt systems listed in the Effectivity Section of this Service Bulletin.

The workmanship, material, and performance of our products is warranted to be commensurate with the levels established in the applicable documents or specifications referenced on this order and issued by public or private bodies with duly constituted authority and in the absence of specific reference to such documents of specifications to confirm with the best commercial practice. If reported defects in material or workmanship are substantiated by us, such parts or materials as are affected will be replaced. Under all circumstances the Buyer must give notice of any quantity or quality deficiency to the Seller within thirty (30) days following receipt and failure to do so shall be deemed a waiver by the Buyer of all claims with respect there to. Our liability is expressly limited to furnishing of such replacement parts or materials and cannot be extended to damages, expense, or loss arising from the use of, or inability to use, our products. The above warranty is expressly in lieu of any other warranties, express or implied, including any implied warranties of merchantability or fitness for a particular purpose, all of which are hereby excluded. This warranty is limited as follows:
- Webbing: defects which arise within one (1) year of the date of sale.
- Hardware: defects which arise within three (3) years of the date of sale.
Restraint System Assemblies containing one of the subject Buckle Assemblies must be reworked per this service bulletin.

- The buckle must be removed and returned to AmSafe, Inc. Obtain an RMA number from the AmSafe customer service representative prior to initiating a return. At that time a no charge PO can be arranged for replacement part shipping. The no charge PO must contain the following information:
  - Reference SB1150004-25-01
  - Description
  - Part number
  - Quantity
  - Name of airline
  - Operator shipping details

I. Material and Availability

Replacement buckles available from AmSafe, Inc.

J. Tooling – Price and Availability

Standard hand tools including automotive type feeler gauge (or equivalent) .008” (.203mm) to .012” (.305mm) thick.

K. Weight and Balance

No affect.

L. Electrical Load Data

Not applicable.

M. Software Accomplishment Summary

None.

N. References

None.
O. Other Publications Affected

None.

2. ACCOMPLISHMENT INSTRUCTION

Buckles may not release straps when actuated. As a precaution, buckles on restraints manufactured between the dates of December 2013 and April 2016 are to be removed from the restraint and replaced with new buckles (see Section H for process to obtain replacement buckles).

A. Identification

1. Find the label attached to the back surface of the buckle (see Figure 3).

Figure 3: Manufacturing Date Found on Buckle Label
2. On this label will be a date of manufacture (DMF) in the format MM/DD/YY, where “MM” is the month, DD is the day, and “YY” is the year. To exemplify, “06/03/2015” would indicate that the date of manufacture is June 03, 2015.

3. If the label has a date of manufacture between December 01, 2013 and April 30, 2016, or if the date is not legible or missing, continue on with this Service Bulletin. Otherwise, this Service Bulletin does not apply.

B. Buckle Removal and Replacement

1. Insert a .008” (.203mm) to .012” (.305mm) feeler gauge behind any connectors not releasable from the buckle during normal release actuation of the buckle, as shown in Figure 4. The feeler gauge should be inserted approximately .75” (20 mm) to release the connector.

Figure 4: Inserting Feeler Gauge to Release Fixed Connector
2. Withdraw the feeler gauge and the connector at the same time, as shown in Figure 5.

![Figure 5: Withdraw the Feeler Gauge and Connector](image)

3. Verify that the buckle part number identified on the label on the back of the buckle (see Figure 6) of the replacement buckle is the same as that on the buckle removed.

![Figure 6: Buckle PN](image)

4. Insert the restraint strap which was fixed to the buckle just removed to the same location on the replacement buckle.