



SERVICE BULLETIN

Equipment/Furnishings
Passenger Compartment

Missing Groove Pin in End-Release Buckle

All Aircraft Types Affected

The information contained herein is confidential and proprietary to AmSafe. It shall not be reproduced or disclosed, in whole or in part, to persons other than those necessary for the user to utilize such information or used in any manner detrimental to AmSafe's interests or for the purpose for which such information was provided without the express, written consent of AmSafe, except to the extent required for installation or maintenance of recipient's equipment.

Freedom of Information Act (5 U.S.C. 552) and Disclosure of Confidential Information (generally 18 U.S.C. 1905). AmSafe is furnishing this document in confidence. The information disclosed herein falls within exemption (b) (4) of 5 USC 552 and the prohibitions of 18 USC 1905.

The AmSafe Commercial and Government Entity (CAGE) code: 35FB9

ATA 25-20-01 and 25-10-01

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

Customer Service:
www.amsafe.com
customerservice-new@amsafe.com
602-850-2850
800-228-1567

SB504744, Issue: 4
Page: 1 of 13
Date: 24-Apr-2019



SERVICE BULLETIN

Transmittal Sheet

TO: Holders of SB504744, dated 24-Apr-2019. This page transmits issue 4.

Revision Highlights

A complete reissue of SB504744 accomplishes the changes summarized below. Remove and replace SB504744.

Page(s)	Correction/Update
Throughout	Effectivity update required removal of all references to restraint P/N(s) 7250, 7251, 7255 and 7297.
Page 4 of 13	Revised Table 1 to reflect updated effectivity listing.
Page 5 of 13	Revised Table 2 to reflect updated effectivity listing.
Page 7 of 13	Revised representative label Figure 1.

ATA 25-20-01 and 25-10-01

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

Customer Service:
www.amsafe.com
customerservice-new@amsafe.com
602-850-2850
800-228-1567

SB504744, Issue: 4
Page: 2 of 13
Date: 24-Apr-2019



SERVICE BULLETIN

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.

Issue	Issue Date	Date Inserted	Inserted By
1	04-Apr-2019		
2	10-Apr-2019		
3	22-Apr-2019		
4	24-Apr-2019		



SERVICE BULLETIN

1 Planning Information

1.1 Effectivity

This service bulletin applies to all holders of the restraint part numbers (P/Ns) listed in Table 1.

Table 1. Restraint P/Ns			
1032-4-01T-8012	3184-6-13P-8060	3184-6-13U-8064	3279-1-022-8193
1032-4-02R-8116	3184-6-13P-8092	3184-6-13W-2396	3279-2010212396
1032-5-03R-8116	3184-6-13P-8098	3184-6-13W-8028	3279-2-011-8193
1074-1-02318075	3184-6-13P-8110	3184-6-13W-8061	3279-2-021-8082
2291-1-01099160	3184-6-13S-5136	3184-6-13W-8064	3279-2-021-8193
3184-21513P8098	3184-6-13S-8060	3184-6-13W-8098	3313-1-011-8066
3184-6-131-2396	3184-6-13S-8061	3279-1-012-8082	3313-1-021-8066
3184-6-13G-2396	3184-6-13S-8064	3279-1-012-8193	3313-1-032-8088
3184-6-13G-8148	3184-6-13U-2396	3279-1-021-8082	3313-1-042-8088
3184-6-13P-8045	3184-6-13U-8029	3279-1-022-8082	

1.2 Concurrent Requirements

None.

1.3 Reason

The end release buckle on the restraints listed in section 1.1 may not contain the groove pin. Affected restraints with a missing groove pin meet the minimum performance standards (MPS) of the related Federal Aviation Administration (FAA) technical standard order (TSO) approval, but not the approved type design. Where an affected restraint does not hold TSO, they also meet their defined minimum performance standard, but not the approved type design.

1.4 Description

This service bulletin provides instruction to identify, remove, return and replace affected restraints.

1.5 Compliance

Holders of the restraints listed in section 1.1 must accomplish this service bulletin within 180 days from the date of this service bulletin. Holders of affected restraints must complete and return the notice of service bulletin compliance on the last page of this service bulletin. Completing and returning the notice of service bulletin compliance allows AmSafe to ensure all affected restraints are removed, reworked and replaced.

ATA 25-20-01 and 25-10-01

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

Customer Service:
www.amsafe.com
customerservice-new@amsafe.com
602-850-2850
800-228-1567

SB504744, Issue: 4
Page: 4 of 13
Date: 24-Apr-2019



SERVICE BULLETIN

1.6 Approval

This service bulletin contains no modification information that revises the approved configuration and therefore does not require FAA or other regulatory agency approval.

1.7 Manpower

- Time to access the restraint varies.
- Time to determine if the groove pin is missing is less than one minute.
- Time to remove the affected restraints is less than 10 minutes.
- Time to return the affected restraint to AmSafe varies.
- Time to access and read the applicable maintenance manual varies.
- Time to replace the affected restraints is less than 10 minutes.

1.8 Weight and Balance

Not applicable.

1.9 Electrical Load Data

None.

1.10 Software Accomplishment Summary

None.

1.11 References

None.

1.12 Other Publications Affected

This service bulletin affects the service bulletin list in the maintenance manuals in Table 2.

Table 2. Maintenance Manuals		
P/N	Maintenance Manual	Document No.
2291	Abbreviated Component Maintenance Manual	25-20-2291
3184	Abbreviated Component Maintenance Manual	25-20-244
3279	Abbreviated Component Maintenance Manual	25-20-279
3313	Component Maintenance Manual	CMM3313

1.13 Interchangeability or Intermixability of Parts

None.

2 Material Information

2.1 Material - Price and Availability

2.1.1 Returning Restraints

ATA 25-20-01 and 25-10-01

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

Customer Service:
www.amsafe.com
customerservice-new@amsafe.com
602-850-2850
800-228-1567

SB504744, Issue: 4
Page: 5 of 13
Date: 24-Apr-2019



SERVICE BULLETIN

Return affected restraints to AmSafe. AmSafe will cover shipping costs and provide expedited repair/rework. Contact Customer Service for a return merchandise authorization (RMA) number. A FedEx account number will be provided.

- P/N
- Quantity
- Reference: "Service Bulletin: SB504744"
- RMA number
- Name of airline/operator
- Shipping address

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

2.1.2 Interim Restraints

Upon request, AmSafe will provide interim restraints for customers to use until the affected restraint is reworked by AmSafe and returned to the customer. Interim restraints may differ in trim and finish details and are optional. Place a purchase order with AmSafe Customer Service to obtain an interim restraint. The amount of the purchase order will be refunded by AmSafe when the interim restraint is returned to AmSafe.

NOTE: TSO approval for a restraint system is applied to the base part number and configuration.

For example, restraint assembly part number 3184-1-XXY-ZZZZ, "-1" is the configuration, "XX" is the trim and finish code, "Y" is the color code and "ZZZZ" is the webbing code. For the related subassembly part number 3184-WWWXXYZZZZ, "WWW" is a subassembly number, "XX" is the trim and finish code, "Y" is the color code and "ZZZZ" is the webbing code.

TSO approval is issued for 3184-1-()-(). This means that it is acceptable to use a different plating and web color as a substitution and there is no effect to the airworthiness or performance of the restraint assembly as the bracketed codes dictate aesthetics only.

2.2 Industry Support Information

None.

2.3 Material Necessary for Each Aircraft/Engine/Component

None.

2.4 Material Necessary for Each Spare

None.

ATA 25-20-01 and 25-10-01

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

Customer Service:
www.amsafe.com
customerservice-new@amsafe.com
602-850-2850
800-228-1567

SB504744, Issue: 4
Page: 6 of 13
Date: 24-Apr-2019



SERVICE BULLETIN

2.5 Reidentified Parts

None.

2.6 Tooling - Price and Availability

None.

2.7 Warranty

Rework of affected restraints listed in section 1.1 with missing groove pins is covered under warranty.

3 Accomplishment Instructions

The following steps provide instruction to identify, remove and replace affected restraints.

3.1 Materials

- Maintenance manual Table 2
- Interim restraint (optional)

3.2 Procedure

1. Find the restraint P/N. P/Ns are located on a label on the restraint (Figure 1).



Figure 1 – Representative Label

2. If the P/N is not listed in Table 1 no further action is required. Complete and return the notice of service bulletin compliance on the last page of this service bulletin.
3. If the P/N is listed in Table 1 look for a groove pin.
 - a. Access the buckle half.

ATA 25-20-01 and 25-10-01

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

Customer Service:
www.amsafe.com
customerservice-new@amsafe.com
602-850-2850
800-228-1567

SB504744, Issue: 4
Page: 7 of 13
Date: 24-Apr-2019



SERVICE BULLETIN

- b. Look in the slot (Figure 2) at the bottom of the buckle's release button where the connector is inserted when wearing the restraint system. If necessary, tilt the buckle at a slight angle.

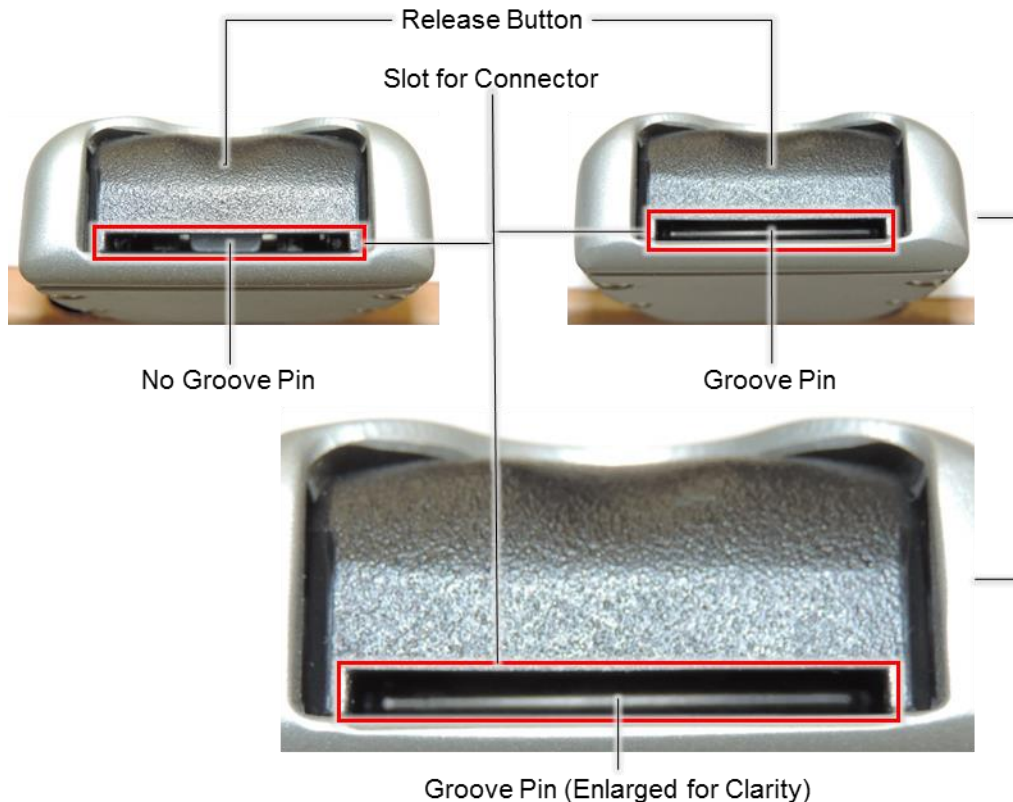


Figure 2 – Buckle and Groove Pin

- c. Look for the groove pin. The groove pin is easily distinguished from other components within the buckle because it is a bright, stainless steel bar that is positioned in front of all other components.
- d. If a groove pin is observed in the slot no further action is required. Complete and return the notice of service bulletin compliance on the last page of this service bulletin.
- e. If a groove pin is not observed perform the following steps for restraints that begin with P/N 2291, 3184, 3279 and 3313.

NOTE: Follow step f for restraints that begin with P/N 1032 or 1074.

- i. Remove the affected restraint following the removal instructions in the maintenance manual (Table 2).

ATA 25-20-01 and 25-10-01



SERVICE BULLETIN

- ii. Return the affected restraint to AmSafe following the instructions in section 2.1 for an expedited repair.
- iii. Obtain an interim restraint following the instructions in section 2.1. Install the interim restraint following the replacement instructions in the maintenance manual (Table 2).
NOTE: Use of an interim restraint is optional.
NOTE: AmSafe will expedite repair/rework and return the affected restraint.
- iv. Upon receiving the reworked restraint, remove the interim restraint (if used) following the removal instructions in the maintenance manual (Table 2). Return the interim restraint to AmSafe following the instructions in section 2.1.
- v. Install the reworked restraint following the replacement instructions in the maintenance manual (Table 2).
- vi. Complete and return the notice of service bulletin compliance on the last page of this service bulletin.
- f. If a groove pin is not observed, perform the following steps for restraints that begin with P/N 1032 or 1074.
 - i. Ensure the restraint is unbuckled and remove the restraint.
 - ii. Return the affected restraint to AmSafe following the instructions in section 2.1 for an expedited repair.
 - iii. Obtain an interim restraint following the instructions in section 2.1.
NOTE: Use of an interim restraint is optional.
NOTE: AmSafe will expedite repair/rework and return the affected restraint.

Upon receiving the reworked restraint, remove the interim restraint (if used). Return the interim restraint to AmSafe following the instructions in section 2.1.
 - iv. Use the reworked restraint by inserting a connector in each buckle.
 - v. Complete and return the notice of service bulletin compliance on the last page of this service bulletin.

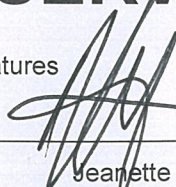
ATA 25-20-01 and 25-10-01



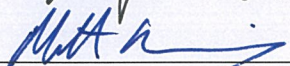
SERVICE BULLETIN

4 Approval Signatures


Prepared By:

 FOR JEANETTE BUENGER
Jeanette Buenger, Technical Writer
4/25/19
Date

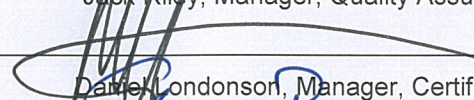
Reviewed By:


Chris Arnold, Engineering Manager, Multipoint Restraints
4/25/19
Date

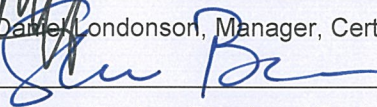
Approved By:

 For Jack Riley
Jack Riley, Manager, Quality Assurance
25 APR 19
Date

Approved By:


Darrell Londonson, Manager, Certification
4/25/19
Date

Approved By:


Shawn Bucher, Director of Engineering
4-25-19
Date



SERVICE BULLETIN

This Page Intentionally Left Blank

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

Customer Service:
www.amsafe.com
customerservice-new@amsafe.com
602-850-2850
800-228-1567

ATA 25-20-01 and 25-10-01

SB504744, Issue: 4
Page: 11 of 13
Date: 24-Apr-2019



SERVICE BULLETIN

AmSafe Inc.
Attn.: Quality Assurance
1043 N. 47th Avenue
Phoenix, Arizona 85043
Telephone: +1(602) 850-2850
Fax: +1(602) 850-2812
Email: Kelly May: kelly.may@amsafe.com
Email Jack Riley: jriley@amsafe.com

RE: Notice of Service Bulletin Compliance for SB504744, Issue: 4

AmSafe Quality Assurance:

This letter is to inform AmSafe that SB504744 Issue 4 was complied with as indicated in the compliance section of the document.

Part No.: _____

Customer Purchase Order No. (If Known): _____

Quantity of restraints with the groove pin: _____

Quantity of restraints without the groove pin: _____

Airline: _____

Aircraft Owner/Operator: _____

Contact Information

Name: _____

Phone Number: _____

Email: _____

Address: _____

Signature

Date

ATA 25-20-01 and 25-10-01

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

Customer Service:
www.amsafe.com
customerservice-new@amsafe.com
602-850-2850
800-228-1567

SB504744, Issue: 4
Page: 12 of 13
Date: 24-Apr-2019



SERVICE BULLETIN

This Page Intentionally Left Blank