



SERVICE BULLETIN

Equipment/Furnishings
Passenger Compartment

CAPTURE OF POTENTIAL LOOSE FASTENERS ON INERTIA REELS

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

ATA 25-10-01

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Transmittal Sheet

TO: Holders of SB501583-25-01, dated 20-Aug-2018. This page transmits issue 4.

Revision Highlights

A complete reissue of SB501583-25-01 accomplishes the changes summarized below. Remove and replace SB501583-25-01.

Page(s)	Correction/Update
4	1.1: Add effectivity date information
7	Add effectivity date information
7	Updated figure 1
8	Updated figure 2
9	Updated figures 3 & 4

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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	14-May-2018		
2	29-May-2018		
3	15-June-2018		
4	20-Aug-2018		

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1 Planning Information

1.1 Effectivity

This Service Bulletin is applicable to restraint system assemblies installed using the 501580, 502045, 503204, 504945, 505589, 505675, 508579, 508884, 508968, 509148, and 50987-Series inertia reels built until the end of April 2018. The restraint systems that this Service Bulletin applies to are manufactured by AmSafe, and include the following part numbers:

2224	2184	3004	3030	3036	3058	3061	3075	3076	3128
3138	3159	3177	3199	3208	3228	3240	3264	3276	4005
4016	4089	4104	4129	4147	4151	4200	4201	4265	4303
5001	5002	5003	5017	5018	5055	5149	7041	7297	502324
502432	502730	502867	502879	503494	503543	503636	504131	504247	504303
504750	504805								

1.2 Concurrent Requirements

None

1.3 Reason

The manufacturer has observed that a possibility exists where a fastener holding the inertia reel dust cover may become unattached from the inertia reel frame. This is not a safety issue, as the loss of a screw does not impact the performance of the retractor.

1.4 Description

This Service Bulletin provides instructions for identification of and securing the fasteners to prevent them from becoming foreign object debris (FOD).

1.5 Compliance

Holders of the AmSafe Restraint System should perform the work described in this service bulletin as soon as possible if a missing FOD condition exists.

Holders must complete and return the notice of service bulletin compliance.

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.

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1.7 Manpower

Inertia reel inspection and work to accomplish the Service Bulletin is estimated to require less than ten (10) minutes per seat installation.

Note: The estimate does not include lost time, for example:

- Time to schedule the work.
- Shipping, receiving or other administrative tasks needed to complete the Service Bulletin.

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

None.

1.13 Interchangeability or Intermixability of Parts

None

2 Material Information

2.1 Material - Price and Availability

Not applicable

2.2 Industry Support Information

For questions or technical details about the Service Bulletin please contact Jack Riley:

Telephone: +1(602)850-2715

Email: jriley@amsafe.com

2.3 Material Necessary for Each Aircraft/Engine/Component

Torque Seal Tamper-Proof Indicator Paste (reference Dykem P/N 4TKH1) or equivalent.

2.4 Material Necessary for Each Spare

Torque Seal Tamper-Proof Indicator Paste (reference Dykem P/N 4TKH1) or equivalent.

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2.5 Reidentified Parts

"SB501583-25-01" must be written on the inertia reel in indelible ink after the Service Bulletin is performed.

2.6 Tooling - Price and Availability

None.

2.7 Warranty

Warranty remedies are available for an affected Restraint Systems listed in the Effectivity section within this service bulletin.

Should a missing fastener be detected, a "free-of-charge" purchase order containing the following information should be placed with AmSafe to repair the Inertia Reel. Return affected Inertia Reel to AmSafe at the following location. Contact AmSafe Customer Service for a return merchandise authorization (RMA) number.

- Part number:
- Quantity:
- Reference: "Service Bulletin: SB501583-25-01"
- RMA number
- Name of airline/operator:
- Shipping address:

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3 Accomplishment Instructions



WARNING: A WARNING CALLS ATTENTION TO MATERIALS, PROCESSES, METHODS, PROCEDURES OR LIMITS THAT MUST BE FOLLOWED TO AVOID INJURY TO PERSONS.



CAUTION: A CAUTION CALLS ATTENTION TO MATERIALS, PROCESSES, METHODS, PROCEDURES OR LIMITS THAT MUST BE FOLLOWED TO AVOID DAMAGE TO EQUIPMENT.

1. Identify the date code on the retractor. It will be located on the decal as seen in Figure 1 below. The date code will consist of a Letter followed by a two-digit month and a two-digit year. As an example, the date code for a retractor built in April of 2018 would have the last four-digits as 0418.



Figure 1: Date Code Location

If the retractor is built on or before April 2018, continue onto step 2. If the retractor was built after April 2018, this Service Bulletin does not apply.



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- Identify the subject fasteners that hold the dust cover and spring cup in place, as seen in Figure 2 below.

Dust Cover Fasteners



Spring Cup Fasteners



Figure 2: Fastener Locations

- Place a small strip of Torque Seal across each fastener. Ideally, the strip should contact one metallic point on the frame, but, at a minimum, the Torque Seal must contact at least the screw and plastic cover for this Service Bulletin to be effective. Figures 3 and 4 show the Torque Seal applied. The same torque seal application should be performed to both the dust cover and spring cup fasteners.



CAUTION: USE CAUTION NOT TO APPLY TORQUE SEAL TO WEBBING OR ANY OTHER PIECE OF THE RETRACTOR OTHER THAN WHAT IS INDICATED IN FIGURE 3 AND FIGURE 4.



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Figure 3: Torque Seal Applied to Lower Fasteners (Dust Cover Shown)



Figure 4: Torque Seal Applied to Upper Fastener (Dust Cover Shown)

4. Specific Torque Seal manufacturer will indicate full cure time. Allow Torque Seal to cure for 60 at least minutes before installing or using the retractor.

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4 Approval Signatures

Prepared By:		<u>23 Aug 18</u>
	Chris Arnold, Engineering Manager, Multipoint Restraints	Date
Approved By:		<u>8/23/18</u>
	Matt Browning, Engineering Manager, Two-Point Restraints	Date
Approved By:	 - Giuseppe Gullotto	<u>23 August 2018</u>
	For Jack Riley, Manager, Quality Assurance	Date
Approved By:		<u>8/23/2018</u>
	Daniel Londonson, Manager, Certification	Date
Approved By:		<u>23 August 2018</u>
	Giuseppe Gullotto, Director of Engineering	Date



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RE: Notice of Service Bulletin Compliance for SB501583-25-01, Issue: 4

AmSafe Quality Assurance:

This letter is to inform AmSafe that SB501583-25-01, issue: 4 was complied with as indicated as indicated in the compliance section of the document.

Print Name

Signature

Address

Date

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