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SB-GA8-2005-23

Issue 3

MANDATORY

Service Bulletin

Subject:

Forward Cargo Door Slide

Applicability:

All GA8 serial numbers.

Amendments:

Service Bulletin was rewritten in total.

Background:

Following an in-flight cabin door separation from a GA8 aircraft the initial investigation report found that excessive wear of the forward cargo door slide could have been a contributing factor. Previous issues of this Service Bulletin addressed the measuring of the wear status of the door slider to prevent such an occurrence. The aim of this issue is to eliminate any ambiguities that could have existed in previous issues and to provide an improved inspection method and a design change to add redundancy to the Forward Cargo Door Slide.

Compliance:

ACTION 1:

For Aircraft with a TTIS greater than 500 Hours:

Within 20 Flight Hours of receipt of Issue 3 of this Service Bulletin.

For Aircraft with a TTIS less than 500 Hours:

No later than 520 Total Flight Hours

ACTION 2: Each periodic inspection.

Weight and Balance:

Negligible effect on weight and balance.

Approval:

The technical aspects of this service bulletin have been approved under a CASA Authorisation.

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Parts:

Item	Part Number	Description	Qty
1	GA8-521022-149	Forward Cargo Door Slide	1
2	GA8-521022-151	Backing Plate	1
3	MS24694-S65	Structural Screw	2
4	AN3-11	Bolt	1
5	AN960-10L	Washer thin	1
6	AN310-3	Castle nut	1
7	MS24665-132	Split pin	1
8	GA8-521022-153	Forward Slide Gauge	1

Table 1: Parts list for this Service Bulletin

New parts can be obtained directly from GippsAero Pty. Ltd.

Tel.: +61 03 5172 1200

Fax. +61 03 5172 1201

Email: support@gippsaero.com

Instructions:

ACTION 1:

1. Open the door handle so that the door swings out to gain access to the Forward Cargo Door Slide Assembly, see Figure 1 below.

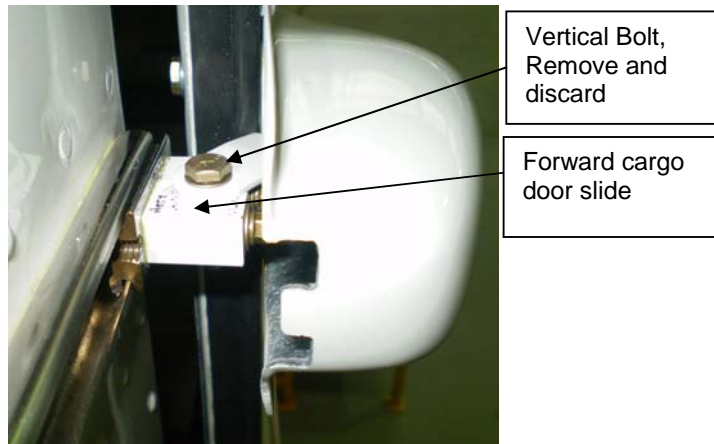


Figure 1: Forward Cargo Door Slide with door swung open.

2. Remove the Forward Cargo Door Slide, by removing the vertical bolt and sliding the slider out of the track. On earlier versions of the Airvan it would be necessary to remove the Nylon Track End as shown in Figure 2 below to be able to remove the slider.



Figure 2: Nylon Track End

3. Figure 3 below shows how a worn part normally looks and where to measure the groove width. The TOP and BOTTOM profile differs on a worn part and as such both the top and bottom slide grooves are to be measured with a calliper.

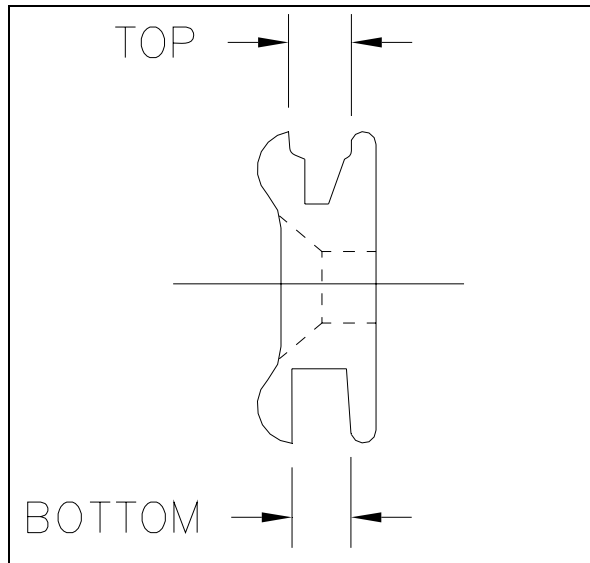


Figure 3: Worn slider indicating where to measure.

4. Measure the groove width and if the groove is wider than 0.145" at any point along the slider or if the part is cracked or excessively worn a new slider, Item 1, must be fitted.
5. Irrespective of Item 1, Items 2 to 7 **MUST** be fitted as shown in Figure 4 and listed in Table 2 below.

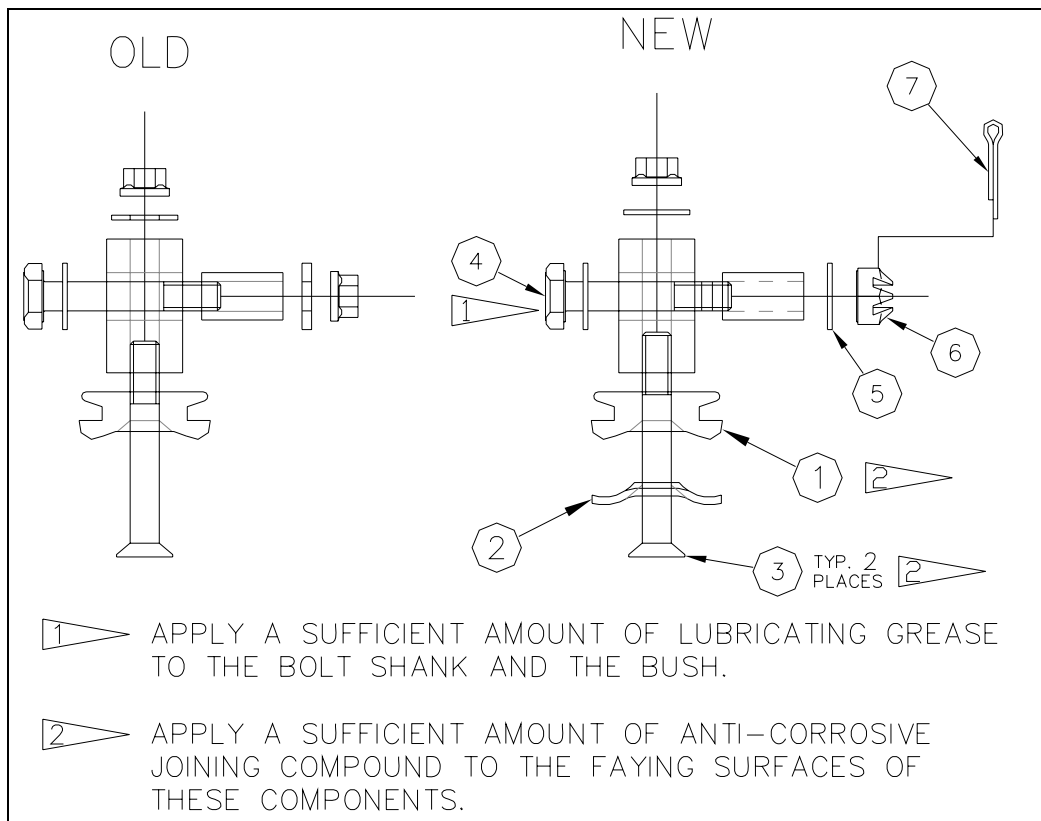


Figure 4: Old (left) and New (right) Forward cargo door slide.

ITEM	OLD ASSEMBLY	NEW ASSEMBLY	QTY
1	GA8-521022-149	GA8-521022-149 (If old part is worn)	1
2	-	GA8-521022-151	1
3	MS24694-S64	MS24694-S65	2
4	AN3-10A	AN3-11	1
5	AN960-10	AN960-10L	1
6	MS21042-3	AN310-3	1
7	-	MS24665-132	1

Table 2: Part numbers for the new assembly and the parts it is replacing.

6. Reinstall new slider assembly and refit the Nylon Track End if it was removed.

ACTION 2:

1. Open the door handle so that the door swings out to gain access to the slider (see ACTION 1, Para 1)
2. Try to insert the Forward Slide Gauge (Item 8, Table 1) between the slider and the track as shown in Figure 5 and Figure 6 below. Standard Feeler gauges made up to 0.098" (0.023"+0.024"+0.025"+0.026") may also be used.

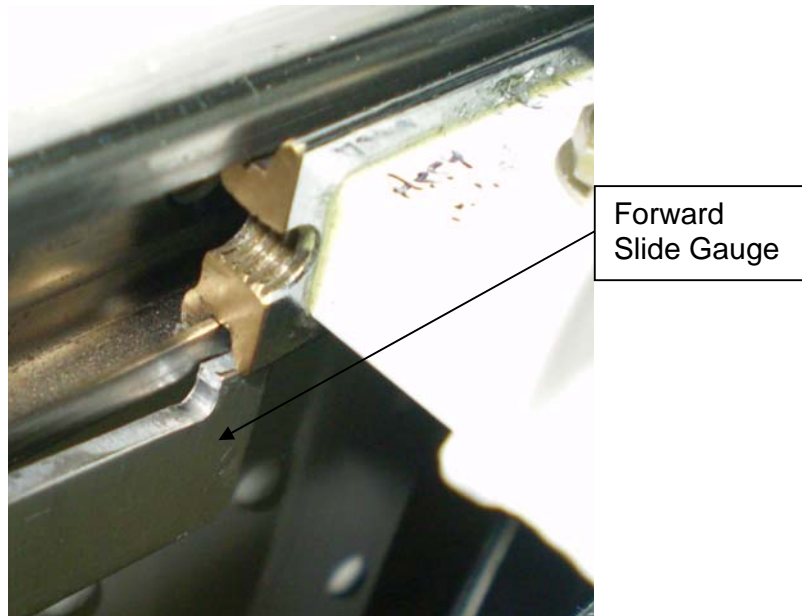


Figure 5: Checking with the Forward Slide Gauge (all four corners require checking)



**Figure 6: Forward Slide Gauge inserted between the slide and track, indicating a worn part.
(Removed from aircraft for clarity only, checking can be done while installed)**

3. If it is possible to fit the Forward Slide Gauge or feeler gauge between the track and slider (as shown in Figure 6 above) at any of the four corners carry out ACTION 1 Para 2 to 4.

OR

4. If Item 8 (or standard feeler gauge) is unavailable, carry out the inspection under ACTION 1 Para 2 to 4.

Documentation

Update aircraft log book to reflect incorporation of this Service Bulletin.

Compliance Notice

Complete the Document Compliance Notice and return to GippsAero by fax or mail.

DOCUMENT COMPLIANCE NOTICE



Document: Service Bulletin SB-GA8-2005-23

Aircraft Serial Number: GA8-_____

Service Bulletin SB-GA8-2005-23 Issue 3 has been incorporated for the above aircraft.

Signed

Print Name

Date

Please post or fax this compliance notice to:

GippsAero Pty. Ltd.

Attn: Technical Services

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