

SERVICE BULLETIN



Service Bulletin No.: DAC1-27-02 Rev 1

Date Issued: 01 February 2008

Title: Flap Actuator Bushing Retainers

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1. **ATA Code:** 2700
2. **Effectivity:** Serial Number C0002 to C0435 and C0439.
3. **General:** This service bulletin allows installation of a pair of retainer clips to prevent dislodging of the shaft seal on the flap actuator.
4. **Compliance:** Optional/Recommended.
5. **Approval:** Engineering data referenced or contained in this service bulletin is approved as part of the type design.
6. **Labour:** Approximately 2 hours will be required to accomplish this service bulletin.

This estimate is for direct labor performed by a technician and it does not include setup, planning, familiarization, cure time, part fabrication or tool acquisition.

7. Material:	Part Number	Description	Qty
	22-2750-01-01	Flap Actuator Seal Retainer	2
	AN960-8	Washer, Flat	2
	AN526C832R8	Screw, Pan Head	2
	215-082	Nut, Rivet	2

The above material may be ordered as kit DAC1-27-02-AMK1.

8. **Special Tools:** Rivet Nut Puller
9. **References:** DA20-C1 Maintenance Manual (AMM), Document number DA201-C1.

10. Accomplishment Instructions:

- 10.1 Remove the flap actuator in accordance with AMM Chapter 27-50.
- 10.2 Remove the cover from the flap actuator switch board, retaining the fasteners.
- 10.3 Carefully mark and drill two 6.5mm (0.266") holes in switch board as shown in Figure 1.
- 10.4 Install two 215-082 rivet nuts in 6.5mm diameter holes in same direction as existing rivet nuts. It may be necessary to rotate the switch assembly for access.
- 10.5 Install the flap actuator seal retainers with AN526C832R8 screws and AN960-8 washers into rivet nuts. Locate seal retainers so that they barely touch the seal on the flap actuator as shown in Figure 2.

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- 10.6** Install the cover over the flap actuator switch board, re-using the existing fasteners.
- 10.7** Install the flap actuator in accordance with AMM Chapter 27-50.
- 10.8** Do a check of the flap controls in accordance with AMM Chapter 27-50.
- 10.9** Install the LH pilot's seat in accordance with AMM Chapter 25-10.

11. Weight and Balance:

The weight and balance is not affected by this Service Bulletin.

12. Labor Credit:

None

13. Availability:

Contact Diamond Aircraft.

14. Figures:

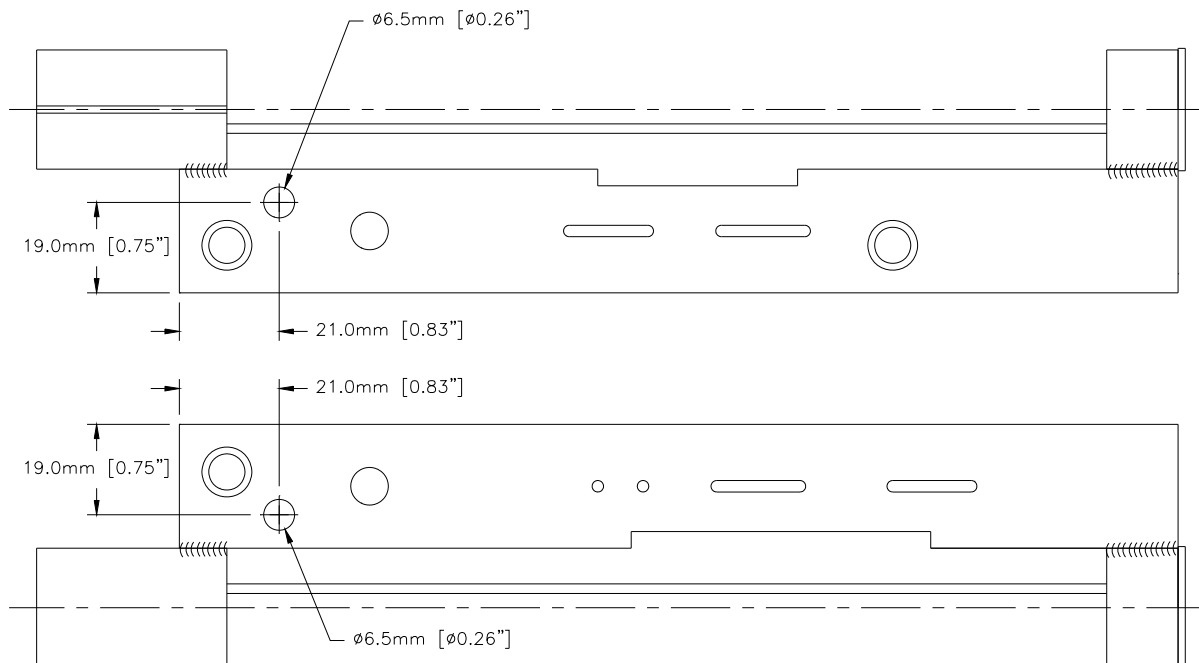


Figure 1 – Location of Fastener Holes in Switch Board

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Figure 2 – Seal Retainer Installation (Switch Cover Removed for Clarity)

To obtain satisfactory results, procedures specified in this service bulletin must be accomplished in accordance with accepted methods and current government regulations. Diamond Aircraft Industries Inc. cannot be responsible for the quality of work performed in accomplishing the requirements of this service bulletin. Diamond Aircraft reserves the right to void continued warranty coverage in the area affected by this Service Bulletin if it is not incorporated.

If you no longer own the aircraft to which this service bulletin applies, please forward it to the current owner and send the name of the current owner to Diamond Aircraft Industries, Inc., at the address below

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