

# SERVICE BULLETIN



Service Bulletin No.: DAC1-76-02 Rev 0

Date Issued: 3 December 2003

Title: Mixture Cable Routing

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1. **ATA Code:** 7611
2. **Effectivity:** DA20-C1 aircraft.
3. **General:** This service bulletin addresses the relocation of the firewall penetrations for the mixture cable to reduce the possibility of the cable kinking.
4. **Compliance:** Compliance with this service bulletin for aircraft with MOD0085 Reversed Instrument Panel and MOD0137 Garmin GTX330 is highly recommended. Compliance for other aircraft is at the owner's discretion.
5. **Approval:** Engineering data referenced or contained in this service bulletin is approved as part of the type design.
6. **Labour:** Approximately 3 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
Materials required but not supplied: procure locally.			
	AN3-XXA	Bolt, length determined at installation	1
	AN970-3	Washer	2
	MS21044N3	Nut	1
	MIL-S-38249, Type I	Sealant, Firewall	A/R

8. **Special Tools:** N/A
9. **References:** DA20 Maintenance Manual, Document number DA201-C1.

## 10. Accomplishment Instructions:

- 10.1 Remove the mixture cable by performing steps 1-17 in section 3 A, "Remove the Mixture Control Bowden Cable", chapter 76-00 of the Maintenance Manual.
- 10.2 Mark the location of the new firewall hole as shown in Fig. 1. Drill a pilot hole from the front side. Open the hole to the final diameter 10mm (0.40") using a step drill. Use care not to damage the surrounding firewall or equipment.
- 10.3 Plug the original hole in the firewall by installing an AN3 bolt from the front, with two AN970-3 washers and one MS21044N3 nut. Ensure the AN3 bolt has sufficient thread engagement. Use firewall sealant (MIL-S-38249 Type 1).

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- 10.4** Install the mixture cable through the new hole by performing steps 1-21 in section 3 B, "Install the Mixture Control Bowden Cable", chapter 76-00 of the Maintenance Manual.

## **11. Weight and Balance:**

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

## **12. Availability:**

Contact Diamond Aircraft.

*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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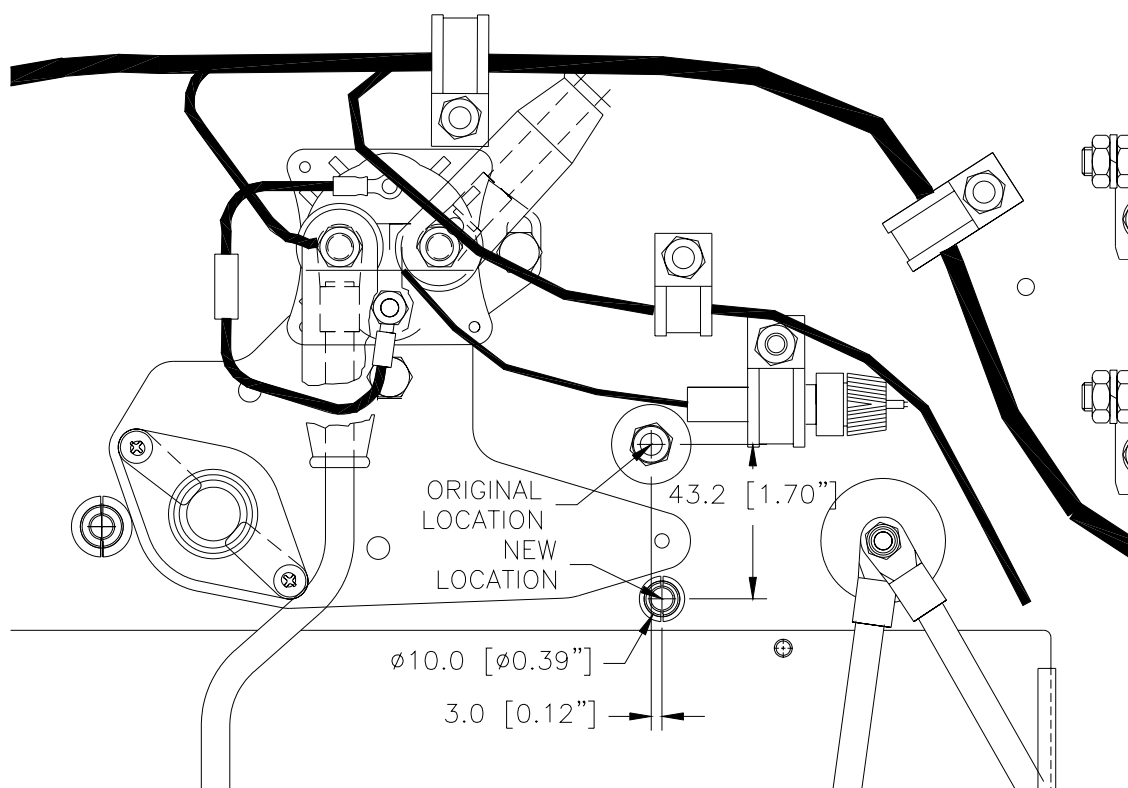


Figure 1 – Looking Aft on Firewall