

# SERVICE BULLETIN



**Service Bulletin No.:** DAC1-76-04 Rev 1

**Date Issued:** January 28, 2010

**Title:** Throttle Cable Firewall Feed-Thru

**Page:** 1 of 3

**1. ATA Code:** 7610

**2. Effectivity:** DA20-C1 aircraft.

**3. General:** This service bulletin addresses the replacement of the original throttle cable firewall feed-thru with one that allows an inclined passage through the firewall to reduce the bend in the cable and consequently the possibility of the cable kinking.

Revision 1 of this Service Bulletin changes the part number for the angled split bushing at the firewall

**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 1.5 hours will be required to accomplish this service bulletin.

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

<b>7. Material:</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
	22-7610-03-00	Angled split bushing, firewall	2
	AN526C632R8	Screw, pan head	2
	AN960C6	Washer, plain	2
	MS21042-06	Nut, reduced hexagon, self locking	2

The above material may be ordered as kit DAC1-76-04-AMK1.  
Materials required but not supplied: procure locally.

MIL-S-38249,	Type I Sealant, Firewall	A/R
--------------	--------------------------	-----

**8. Special Tools:** N/A.

**9. References:** DA20 Maintenance Manual, Document number DA201-C1.

# SERVICE BULLETIN



**Service Bulletin No.:** DAC1-76-04 Rev 1

**Date Issued:** January 28, 2010

**Title:** Throttle Cable Firewall Feed-Thru

**Page:** 2 of 3

---

## 10. Accomplishment Instructions

- 10.1 Remove the throttle cable from the engine by performing steps 1-11 in section 2 A, "Remove the Throttle Bowden Cable," chapter 76-00 of the Maintenance Manual. Pull the throttle cable through the firewall, leaving the cockpit end of the cable connected.
- 10.2 Open the existing mixture cable hole at a 45 degree angle (aft and down) using a round file, so that the angled split bushing fits in the hole with the flange sitting flat on the firewall (See Figure 1). Make sure that the throttle cable is secured out of the way of the work area. Use care not to damage the surrounding firewall or equipment.
- 10.3 Locate the new holes in the firewall using the bushing and drill two holes, diameter 0.15" (3.8mm), as shown in Figure 1.
- 10.4 Put the throttle cable back through the firewall.
- 10.5 Perform Steps 5 – 8 of Section 2B, "Install the Throttle Bowden Cable," chapter 76-00 of the Maintenance Manual.
- 10.6 Install the two angled split bushing halves around the throttle cable, as shown in Figure 1, using two AN526C632R8 screws, AN960C6 washers and MS21042-06 nuts.
- 10.7 Seal around the throttle cable and bushing flanges using MIL-S-38429 Type I firewall sealant.
- 10.8 Do a test for correct range, full and free movement of the throttle control system. Refer to the Throttle Control Range of Movement Test in chapter 76-00 of the Maintenance Manual.
- 10.9 Reconnect the airplane battery.
- 10.10 Install the engine cowlings.

**11. Weight and Balance:** The weight and balance is not affected by this Service Bulletin.

**12. Availability:** Contact Diamond Aircraft.

# SERVICE BULLETIN

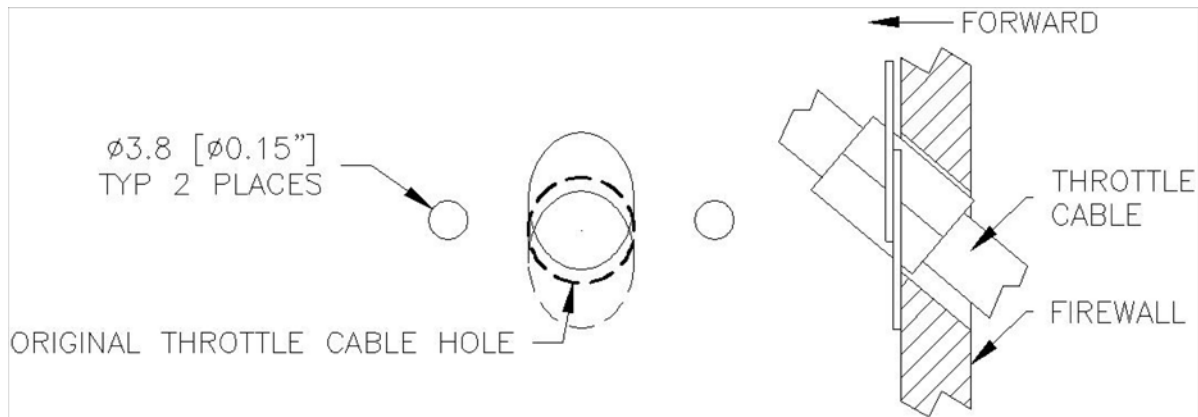


Service Bulletin No.: DAC1-76-04 Rev 1

Date Issued: January 28, 2010

Title: Throttle Cable Firewall Feed-Thru

Page: 3 of 3



**Figure 1 – Angled Split Bushing Installation**

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.

Diamond Aircraft Industries Inc. 1560 Crumlin Sideroad, London, Ontario, Canada N5V 1S2  
Phone: (519) 457-4030 Ext. 3173 E-mail: [techpubs@diamondair.com](mailto:techpubs@diamondair.com)

COPYRIGHT 2008