

# SERVICE BULLETIN



**Service Bulletin No.: DAC1-71-02 Rev 0**

**Date Issued:** 19 January 2004

**Title:** Engine Mount to Firewall Washers

**Page:** 1 of 2

- 1. ATA Code:** 7100
- 2. Effectivity:** Diamond Aircraft Industries Model DA20-C1 Aircraft serial numbers C0001 through C0253.
- 3. General:** There have been reports of loss of minimum specified torque of the engine mount to firewall attach bolts due to deformation of the MS21306-1C washers used on the aft face of the firewall. This service bulletin addresses inspection of torque and possible replacement of these washers with Part No. 22-7100-00-05 washers.
- 4. Compliance:** At next 100 hour inspection
- 5. Approval:** Engineering data referenced or contained in this service bulletin is approved as part of the type design.
- 6. Labor:** Part I – no additional labor when performed at 100 hour inspection  
Part II - Approximately 1/2 hour  
*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.*
- |                     |               |                                  |            |
|---------------------|---------------|----------------------------------|------------|
| <b>7. Material:</b> | <b>Part</b>   | <b>Description</b>               | <b>Qty</b> |
|                     | 22-7100-00-05 | Washer, Engine Mount to Firewall | 4          |
- 8. Special Tools:** No special tools are required.
- 9. References:** DA20-C1 Maintenance Manual (AMM), Document number DA201-C1.
- 10. Accomplishment Instructions:**

Part I – To be accomplished at next 100 hour inspection:

- 10.1** Remove cowlings from aircraft.
- 10.2** Check torque of engine mount to firewall bolts (ref. AMM Chapter 05-20, Item 45 and Chapter 20-00, Section 4)
- 10.3** If less than one quarter turn is required to achieve the torque specified in AMM Chapter 20-00, Section 4, then no further action is required. Install cowlings.
- If more than one quarter turn is required to achieve the torque specified in AMM Chapter 20-00, Section 4, then continue to Part II

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Part II – To be accomplished only if indicated by Part I:

- 10.4** Remove engine mount to firewall bolts.  
NOTE: Support engine if more than one firewall bolt is removed at a time. It is not necessary to support engine if only one bolt at a time is removed.
- 10.5** Discard washers on aft face of firewall.
- 10.6** Install engine mount to firewall bolts with washers P/N 22-7100-00-05 on aft face of firewall
- 10.7** Torque engine mount to firewall bolts (ref. AMM Chapter 20-00, Section 4).
- 10.8** Install cowlings.

**11. Weight and Balance:** No change

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

### **13. Credit Terms and Conditions**

**Labour Credit:** None

**Replacement Part Credit:** A full parts credit will be issued providing defective MS21306-1C washers and a completed Customer Claim Form is received at Diamond within 90 days from the date of this bulletin.

*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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