

# SERVICE BULLETIN



**Service Bulletin No.:** DAC1-24-01 Rev 1

**Date Issued:** 03 March, 2010

**Title:** Generator Lower Attaching Bolt Replacement

**Page:** 1 of 3

**1. ATA Code:** 2430

**2. Effectivity:** DA20-C1 aircraft from S/N C0001 to S/N C0031.

**3. General:** Excessive generator belt tension can result in fatigue failure of the generator lower attaching bolt. This Service Bulletin (SB) addresses replacement of the existing bolt with a higher strength bolt.

Revision 1 of this SB supersedes Revision 0, dated 9 October 1998.  
The SB revises the Effectivity in Para 2 and the Caution before step 10.3.

**4. Compliance:** Recommended upon receipt of this SB and parts.

**5. Approval:** Engineering data referenced or contained in this SB is approved as part of the type design.

**6. Labour:** Approximately 0.5 hours will be required to accomplish this SB.

*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>
	22-2412-00-01	Bolt	1
	DIN128AM10	Lockwasher	1
	The above material may be ordered as kit DAC1-24-01 AMK0.		
	Material required but not supplied:		
	MS20995-C32	.032" Lockwire	AR
		222 Loctite	AR

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

**9. References:** DA20-C1 Aircraft Maintenance Manual, Document Number DA201-C1.  
Figure 1.

## **10. Accomplishment Instructions:**

10.1 Remove and discard existing lower attaching bolt and lockwasher.

10.2 Install and hand tighten new attaching bolt with 222 Loctite (applied to shank and threads) and new lockwasher (ensure "10.9" is embossed on bolt head).

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CAUTION: DO NOT OVERTIGHTEN THE GENERATOR DRIVE BELT. OVERTIGHTENING OF THE BELT CAN LEAD TO GENERATOR BEARING FAILURE.

10.3 Tension the drive belt (refer to Chapter 24-30-00 in AMM DA201-C1).

10.4 Secure generator adjusting bolt (apply 222 Loctite to shank and threads).

10.5 Torque lower attaching bolt to proper specification (refer to chapter 24-30-00 in AMM DA201-C1).

10.6 Lockwire lower attaching bolt to bracing strut as per figure 1.NA.

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

**13. Electrical Load Data:** NA.

**14. Credit:** None.

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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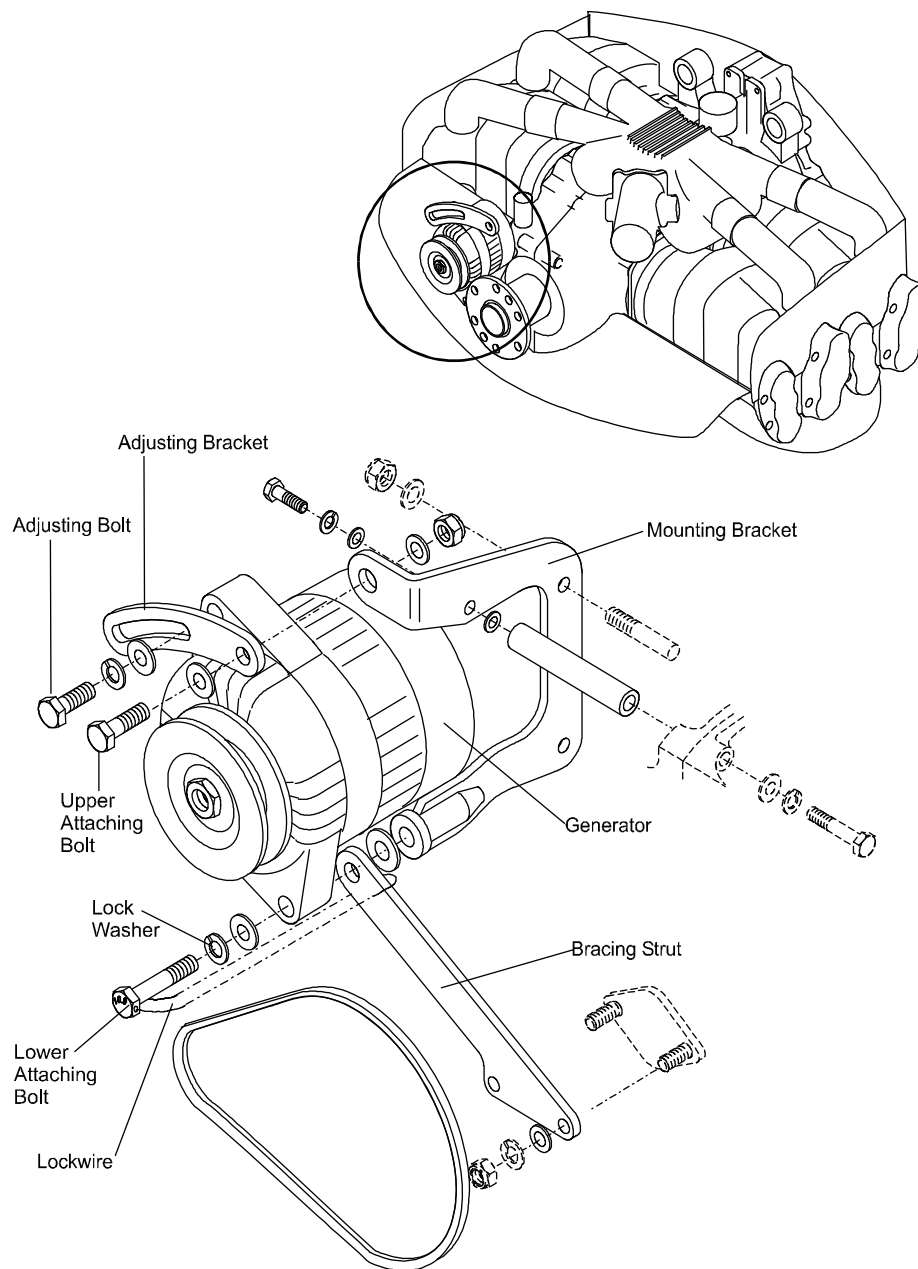


Figure 1: Generator Installation