

SERVICE BULLETIN



Service Bulletin No.: DAC1-23-01 Rev 0

Date Issued: 08 December 2004

Title: DA20 C1 – GMA 340 Isolation Diodes

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- 1. ATA Code:** 2300
- 2. Effectivity:** Diamond Aircraft Model DA20-C1 Serial Numbers C0169 - C0170, C0175, C0177, C0178, C0189 – C0194, C0202 – C0205, C0209, C0213, and C0216 – C0275.
- 3. General:** This service bulletin addresses the installation of isolation diodes in the Mic audio line for the pilot and copilot. The isolation diodes prevent voltage from the ANR tip power from being momentarily shorted to the Mic Audio Output of the audio panel when the headset plug is inserted while the avionics master is on. Faulty headsets or some headsets that do not provide sufficient spacing of the tip portion of the jack from the Mic audio portion of the jack can result in the damage described above if the diodes are not installed. Aircraft serial numbers C0168 and below did not have ANR tip power installed.
- 4. Compliance:** Compliance with this service bulletin is recommend on or before March 30, 2005. Non compliance will result in charges that are not covered by warranty if the GMA 340 Mic Audio Output is damaged after March 30, 2005.
- 5. Approval:** Engineering data referenced or contained in this service bulletin is approved as part of the type design.
- 6. Labor:** Approximately 1.5 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 |
|-------------|-------------|-----|
| 1N4007 | Diode | 2 |
| D436-36 | Splice | 4 |
- 8. Special Tools:** N/A
- 9. References:** Diamond drawing 22-9223-50-01 Rev D.
- 10. Accomplishment Instructions:**
- 10.1** Remove the Instrument panel cover.
 - 10.2** Locate the pilot and copilot mic audio wiring at the rear of the audio panel. Wires are marked in accordance with the schematic.
 - 10.3** Cut the Pilot and Copilot Mic audio wires and splice in the isolation diode as shown in the schematic.
 - 10.4** Test the audio panel by doing a radio check from the pilot and copilot position.

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10.5

Reinstall the instrument panel cover.

10.6

Make the a log book entry stating that this Service Bulletin has been complied with.

11. Weight and Balance:

The effect on Weight and Balance is negligible

12. Availability: Contact Diamond Aircraft.

13. Credit Terms and Conditions

Parts and 1.5 hours labor