

---

**MANDATORY SERVICE BULLETIN NO. MSB 62-031 REV. 0**

**I TECHNICAL DETAILS**

**I.1 Category**

Mandatory.

**I.2 Airplanes Affected**

Type: DA 62

S/N: 62.035 through 62.040

**I.3 Date of Effectivity**

25 February 2020

**I.4 Time of Compliance**

Within 50 flight hours.

**I.5 Subject**

Replacement of the autopilot bridle cable clamps.

ATA code: 22-00

**I.6 Reason**

It has been observed on some aircraft that the autopilot bridle cable clamps (P/N D41-2213-10-53 and P/N D41-2213-10-54) in the pitch and roll control system were cracked, possibly due to over-torqueing. Tests have shown that the cracked clamps still perform their function, but for safety reasons, they must be replaced. This service bulletin describes the replacement of the autopilot bridle cable clamps on the affected airplanes.

**I.7 Concurrent Documents**

None.

**I.8 Approval**

The technical content of this document is approved as part of the type design.

**I.9 Accomplishment/Instructions**

1. Remove the passenger seats or baggage compartment as applicable, in accordance with AMM Section 25-10.
2. Replace the autopilot bridle cable clamps with the improved clamps, P/N D41-2213-10-53\_01 and P/N D1-2213-10-54\_01 or P/N D41-2213-10-53\_02 and P/N D41-2213-10-54\_02.
  - a. Adjust the bridle cable tension in accordance with AMM Section 22-10.
  - b. Torque the bolts to 3.6 Nm (2.65 lb-ft).

**CAUTION:** USE A TORQUE WRENCH WITH AN APPROPRIATE TORQUE RANGE. APPLY THE GIVEN TORQUE CAREFULLY AND DO NOT OVERTORQUE THE BOLTS, AS OVERTORQUEING THE BOLTS MIGHT DAMAGE THE AUTOPILOT BRIDLE CABLE CLAMPS.

**NOTE:** if a pair of autopilot bridle cable clamps P/N D41-2213-10-53\_02 and P/N D41-2213-10-54\_02 is installed, the two short bolts on each clamp must be replaced with bolts P/N LN 9037-M5x28.

3. Install the passenger seats or baggage compartment as applicable in accordance with AMM Section 25-10.
4. Clean working areas, check for foreign objects.
5. Check all altered, replaced, repaired parts for proper function.
6. Test all systems in the working areas for proper function.
7. Make all necessary entries in the logbooks.
8. Submit execution report to Techpubs@diamondair.com.

**I.10 Mass (Weight) and CG**

The change in mass and CG is negligible.

**II PLANNING INFORMATION**

**II.1 Material and Availability**

| Quantity | Part Number                               | Description  |
|----------|---|--|
| 4        | D41-2213-10-53_01 or<br>D41-2213-10-53_02 | Bridle cable clamp   |
| 4        | D41-2213-10-54_01 or<br>D41-2213-10-54_02 | Bridle cable clamp   |
| 16       | DIN 985-M5-A2                             | Hexagon nut, self-locking  |
| 8        | LN 9037-M5x28                             | Hexagon bolt - only required if P/N D41-2213-10-53_02 and P/N D41-2213-10-54_02 is installed |

Diamond Aircraft Industries  
**MANDATORY SERVICE BULLETIN**  
Model DA 62

---



**II.2 Special Tools**

None.

**II.3 Labour Effort**

Approximately 1 hour.

**II.4 Credit**

1 hour labour and replacement parts.

**II.5 Reference Documents**

DA 62 series Airplane Maintenance Manual, Doc. No. 7.02.25, latest effective issue.

**III REMARKS**

1. All work must be done by a certified aircraft service station, or a certified aircraft maintenance mechanic.
2. All work, in particular that which is not especially described in this service bulletin, must be done in accordance with the referenced Maintenance Manual.
3. Completion of all work must be recorded in the logbook.
4. In case of doubt, contact Diamond Aircraft Industries.

To obtain satisfactory results, procedures specified in this service bulletin must be accomplished in accordance with accepted methods and current government regulations. Diamond Aircraft 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 at the address below.

Diamond Aircraft Industries Inc. 1560 Crumlin Sideroad, London, Ontario, Canada N5V 1S2

Customer Support: Phone: (519) 457-4041 Fax: (519) 457-4045 E-mail: [custsupp@diamondair.com](mailto:custsupp@diamondair.com)  
Technical Publications: E-mail: [Techpubs@diamondair.com](mailto:Techpubs@diamondair.com)



---

**EXECUTION REPORT TO  
SERVICE BULLETIN  
MSB 62-031 REV. 0**

**AIRPLANE DATA**

Airplane serial number \_\_\_\_\_

Airplane registration \_\_\_\_\_

Airplane operator \_\_\_\_\_

Hours of operation of airplane (TSN) \_\_\_\_\_

Typical operation of airplane private, club, training, other: \_\_\_\_\_

**MAINTENANCE DATA**

Date of inspection \_\_\_\_\_

Inspection carried out by \_\_\_\_\_

During scheduled inspection? Yes  No

Clamps cracked? Yes  No

Date \_\_\_\_\_

---

Name \_\_\_\_\_ Signature \_\_\_\_\_

Please e-mail the completed form to [Techpubs@diamondair.com](mailto:Techpubs@diamondair.com)