

MANDATORY SERVICE BULLETIN MSB 50-013

I TECHNICAL DETAILS

I.1 <u>Category</u>

Mandatory.

I.1 Airplanes affected

Type: DA 50 C

Serial numbers: 50.C.A.A.007 through 50.C.A.A.033

50.C.A.A.035 through 50.C.A.A.038 50.C.A.A.040 through 50.C.A.A.050 50.C.A.A.052 through 50.C.A.A.054 50.C.A.A.057 through 50.C.A.A.060 50.C.A.A.062 through 50.C.A.A.074 50.C.A.A.076 through 50.C.A.A.077 50.C.A.A.079 through 50.C.A.A.081

50.C.Q.A.002

I.2 Date of effectivity

16-Sep-2025

I.3 <u>Time of Compliance</u>

Within 100 flight hours, but not later than 30-Sep-2026.

I.4 Subject

Replacement of the propeller de-ice brushes bracket bolts.

ATA-Code: 61-00



I.5 Reason

The effective thread length of the bolts that attach the propeller de-ice brushes bracket to the engine gearbox are shorter than specified by the engine manufacturer. This can cause tear out of the aluminum thread in gearbox housing and imperfect seal of the accessory drive cover and may subsequently lead to leakage of gearbox oil. This Service Bulletin describes replacement of these bolts with the right length as specified by the engine manufacturer as a precautionary action.

I.6 Concurrent Documents

None.

I.7 Approval

The technical information or instruction contained in this document relate to the Design Change Advisory No. OÄM 50-011/v, which has been approved under the authority of the DOA ref. EASA.21J.052.

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I.8 Accomplishments / Instructions

See WI-MSB 50-013, latest effective issue.

II Mass (Weight) and CG

The change in mass and CG is negligible.

II PLANNING INFORMATION

II.1 Material and Availability

See WI-MSB 50-013, latest effective issue.

II.2 Special Tools

None.

II.3 Labour Effort

0.5 hours.



II.4 Credit

For all Aircraft within warranty period:

- 0.5 hours of work.
- Material according to WI-MSB 50-013, latest effective issue.

II.5 Reference Documents

DA 50 C Airplane Maintenance Manual, Doc. No. 9.02.01, 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, 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 log book.
- 4. If material and/or labor hours are subject to be credited through Diamond Aircraft Industries, the Service Bulletin must be done by an authorized Diamond Service Center within the time of compliance and the Warranty Application incl. Work Report must be sent not later than 30 days after completion of work.
- 5. In case of doubt contact Diamond Aircraft Industries GmbH.

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EXECUTION REPORT TO SERVICE BULLETIN MSB 50-013

AIRPLANE INFORMATION				
Airplane Serial Number				
Airplane Registration				
Airplane Operator				
Hours of operation of airplane				
Number of landings				
Hours of operation – engine				
Typical operation of airplane	private,	training, specia	al missior	, other
			-	
Date, Name, Sign				

Submit the execution report to Diamond Aircraft Industries GmbH.

- Use preferably the electronic execution report via the Diamond Partner Portal.
 - o Login to the Diamond Partner Portal https://partners.diamondaircraft.com/.
 - Search for the Aircraft (A/C):
 - Use the search field at the top, or
 - Navigate through the menu: Support > My Fleet, then open the A/C by clicking the link.
 - o In the right section "Aircraft Action," click the button "Add Execution Report".
 - o Choose "MSB 50-013".
 - o Either create a new execution report or select a draft you previously created.
 - Save and then submit the execution report
- Alternatively send the execution report to executionreports@diamondaircraft.com.

Keep a copy of the execution report in the aircraft log.



WORK INSTRUCTION WI-MSB 50-013

I GENERAL INFORMATION

I.1 Subject

Replacement of the propeller de-ice brushes bracket bolts.

I.2 Reference Documents

DA 50 C Airplane Maintenance Manual, Doc. No. 9.02.01, latest effective issue. Goodrich Installation and Maintenance Manual for Prop De-Icing System ATA 30-60-02

I.3 Remarks

- a) All work must be done by a certified aircraft service station or a certified aircraft maintenance mechanic.
- b) All work, in particular if not described in this work instruction, must be done in accordance with the referenced maintenance manual.
- c) For conversion factors between SI units and US/Imperial units refer to AMM, Chapter 02.
- d) In case of doubt, contact Diamond Aircraft Industries GmbH.

II DRAWINGS, SPECIAL TOOLS & MATERIALS

II.1 **Drawings**

None.

II.2 Special Tools

None.



II.3 Material

Quantity	Part Number	Description	
4	ISO7380-M8x16-10.9-BZP	Hexagon Socket Button Head Bolt	

Material is available from Diamond Aircraft Industries.

III INSTRUCTIONS

