

# MANDATORY SERVICE BULLETIN

## MSB 50-008

### I TECHNICAL DETAILS

#### I.1 Category

Mandatory

#### I.2 Airplanes affected

Type: DA 50 C  
Serial numbers: 50.C.A.A.007 through 50.C.A.A.049  
50.C.A.A.052, 50.C.A.A.054, 50.C.A.A.056

#### I.3 Date of effectivity

01-Jul-2024

#### I.4 Time of Compliance

At next scheduled 100 hour inspection, but not later 31-Jul-2025

#### I.5 Subject

Retorquing the horizontal stabilizer bolts.

ATA Code: 55-10

#### I.6 Reason

The DA 50 Airplane Maintenance Manual (AMM) has specified a torque for retorquing the horizontal stabilizer attachment bolts, that is different from the torque used in production. Diamond Aircraft Industries GmbH aims to harmonize the Diamond Aircraft type family by using the same torque throughout the airplanes lifecycle. This is achieved by specifying the torque for the horizontal stabilizer attachment bolt as special torque in a new issue of the AMM.

This Service Bulletin implements this action for airplanes in service by updating to AMM issue 12 or later and by retorquing the horizontal stabilizer attachment bolts at the next scheduled maintenance action.

### **I.7 Concurrent Documents**

None.

### **I.8 Approval**

The technical content of this document has been approved under the authority of the DOA ref. EASA.21J.052.

### **I.9 Accomplishments / Instructions**

See WI-MSB 50-008, latest effective issue.

## **II Mass (Weight) and CG**

None.

## **II PLANNING INFORMATION**

### **II.1 Material and Availability**

See WI-MSB 50-008, latest effective issue.

### **II.2 Special Tools**

None.

### **II.3 Labour Effort**

Approx. 0.5 hours.

### **II.4 Credit**

0.5 man hours of work.

### **II.5 Reference Documents**

DA 50 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 logbook.
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.

## EXECUTION REPORT TO SERVICE BULLETIN MSB 50-008

### 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, club, training, other \_\_\_\_\_

Findings:

\_\_\_\_\_  
Date, Name, SignPlease send the completed form to:  
[executionreports@diamondaircraft.com](mailto:executionreports@diamondaircraft.com)

# WORK INSTRUCTION

## WI-MSB 50-008

### **I GENERAL INFORMATION**

#### **I.1 Subject**

Retorquing the horizontal stabilizer bolts.

#### **I.2 Reference Documents**

DA 50 Airplane Maintenance Manual, Doc. No. 9.02.01, issue 12 or later effective issue.

#### **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) 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**

None.

### **III INSTRUCTIONS**

1	Update the Airplane Maintenance Manual Doc. No. 9.02.01 to issue 12 or later.
2	Remove the bullet fairing from the tail of the aircraft. Refer to AMM Section 55-10.
3	Examine the horizontal stabilizer bolts for sign of wear, corrosion, deterioration, movement, or incorrect installation. Record any findings on the execution report.
4	Retorque all 16 attachment bolts of the horizontal stabilizer to 45 Nm in accordance with AMM Section 20-10.
5	Install the bullet fairing. Refer to AMM Section 55-10.
6	Clean working areas, check for foreign objects.
7	Check all altered, replaced, repaired parts for proper function.
8	Test all systems in working area for function.
9	Do all necessary entries in the airplane logs.
10	Submit the Execution Report to Diamond Aircraft Industries.