

# OPTIONAL SERVICE BULLETIN

## OSB 42-128

## OSB 42NG-068

### **I TECHNICAL DETAILS**

#### **I.1 Category**

Optional.

#### **I.2 Airplanes affected**

Type: DA 42, DA 42 M DA 42 NG, DA 42 M-NG  
Serial numbers: 42.004 and subsequent  
42.AC001 and subsequent  
42.M001 and subsequent  
42.N001 and subsequent  
42.NC001 and subsequent  
42.MN001 and subsequent

#### **I.3 Date of effectivity**

5-Dec-2017

#### **I.4 Time of Compliance**

At owner's discretion

#### **I.5 Subject**

Retrofit Installation of Tablet Mount on the Canopy Frame.

ATA-Code: 33-40

#### **I.6 Reason**

The installation of a standard mounting basis for a tablet holder has been approved for the DA 42 and DA 42NG. This enhances the comfort while using such a device considerably. This Service Bulletin describes the retrofit installation for airplanes already in service.

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

None.

#### **I.8 Approval**

The technical information or instructions contained in this document relate to the Design Change Advisory No. OÄM 42-248, which has been approved under the authority of EASA Design Organization Approval ref. EASA.21J.052.

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

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

See WI-OSB 42-128/WI-OSB 42NG-068, latest effective issue.

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

Mass (Weight) and CG not affected.

## **II PLANNING INFORMATION**

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

See WI-OSB 42-128/WI-OSB 42NG-068, latest effective issue.

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

None.

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

Approx. 4 hours.

### **II.4 Credit**

None.

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

DA 42 Series Airplane Maintenance Manual, Doc. No. 7.02.01, latest effective issue.

DA 42 NG Airplane Maintenance Manual, Doc. No. 7.02.15, 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 log book.
4. In case of doubt contact Diamond Aircraft Industries GmbH.

**EXECUTION REPORT TO  
SERVICE BULLETIN  
OSB 42-128  
OSB 42NG-068**

## AIRPLANE INFORMATION

Airplane Serial Number \_\_\_\_\_

Airplane Registration \_\_\_\_\_

Airplane Operator \_\_\_\_\_

Hours of operation of airplane \_\_\_\_\_

No. of landings \_\_\_\_\_

Hours of operation-engine LH \_\_\_\_\_

RH \_\_\_\_\_

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

\_\_\_\_\_  
Date, Name, SignPlease fax the completed form to Fax No. +43-2622-26780 or e-mail to  
executionreports@diamond-air.at

# WORK INSTRUCTION

## WI-OSB 42-128

## WI-OSB 42NG-068

### **I GENERAL INFORMATION**

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

Retrofit Installation of Tablet Mount.

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

DA 42 Series Airplane Maintenance Manual, Doc. No. 7.02.01, latest effective issue.  
DA 42 NG Airplane Maintenance Manual, Doc. No. 7.02.15, latest 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) 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.

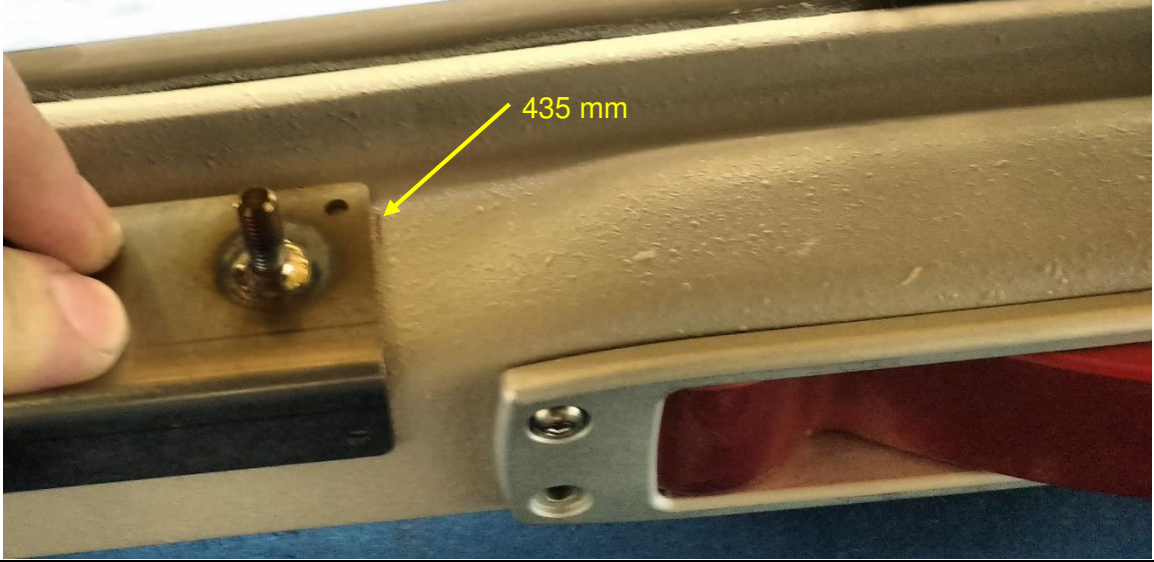

### II.3 Material

Quantity	Part Number	Description
1	D60-2510-51-00X02	Arm Rest Front LH
1	D60-2510-52-00X02	Arm Rest Front RH
2	D44-2510-21-00	Fastening Plate Tablet Mount assy
2	D44-1133-20-23	Placard Tablet Mount
1	D60-1133-10-05_1	Locking, hood inside
2	RAM-B-202U-12	Base 1"x2" with 1" Ball
4	DIN 1587-M6-A2	Cup Nut
8	DIN7337-3,2X9,7-A2	Blind Rivet
1	MS939-310ML	Terostat MS939 black

Material is available from Diamond Aircraft Industries.

### III INSTRUCTIONS

1	Remove the pilot and copilot arm rest from the canopy frame.
2	Pre fit the new LH and RH arm rest on the canopy frame and mark the rear end position with a pencil i.a.w. picture below. 
3	Remove the arm rest and measure 435 mm forward, mark the position.

4	<p>Use the fastening plate as a template and drill the 4 holes.</p> 
5	Rivet the fastening plate on to the canopy frame.
6	Transfer the hole position from the fastening plate bolt to the arm rest.
7	Prepare the surface of Arm Rest and canopy for bonding.
8	Bond the arm rest on the canopy frame with MS 939. Fix the arm rest with bar clamps on the canopy frame.
9	<p>Mount the tablet base.</p> 
10	Install the placards D44-1133-20-23 LH and RH and D60-1133-10-05_ 1 LH only.
11	Clean working areas, check for foreign objects.
12	Check all altered, replaced, repaired parts for proper function.
13	Test all systems in working area for function.
14	Make all necessary entries in the airplane logs.