

# OPTIONAL SERVICE BULLETIN

## OSB 42NG-064

### **I TECHNICAL DETAILS**

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

Optional.

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

Type: DA 42 NG, DA 42 M-NG

Serial numbers: 42.N001 through 42.N217

42.MN001 through 42.MN052

All airplanes converted to DA 42 NG via OSB 42-068 using WI-OSB 42-068 up to revision 16.

All airplanes converted to DA 42 M-NG via OSB 42-081 using WI-OSB 42-068 up to revision 16.

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

13-Feb-2017

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

At owner's discretion.

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

Replacement of old coolant tank assy by new design.

ATA-Code: 75-00

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

This Service Bulletin describes the replacement of the old coolant tank assy by the new coolant tank D64-7521-00-00\_03.

The redesigned coolant tank has an improved silicate cartridge mounting and an integrated mesh.

To prevent interference with the new coolant tank on some aircraft a Camloc must be removed.

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

None.

### **I.8 Approval**

The technical information or instructions contained in this document relate to the Design Change Advisory No. MÄM 42-852, 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 42NG-064, latest effective issue.

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

No Change.

## **II PLANNING INFORMATION**

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

See WI-OSB 42NG-064, latest effective issue.

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

Test Cap D44-7521-00-00-ST.

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

Approx. 3 hours.

### **II.4 Credit**

None.

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

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 42NG-064

### 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, Sign

Please fax the completed form to Fax No. +43-2622-26780 or e-mail to  
executionreports@diamond-air.at

# WORK INSTRUCTION

## WI-OSB 42NG-064

### **I GENERAL INFORMATION**

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

Replacement of old coolant tank assy by new design.

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

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 that which is not especially 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**

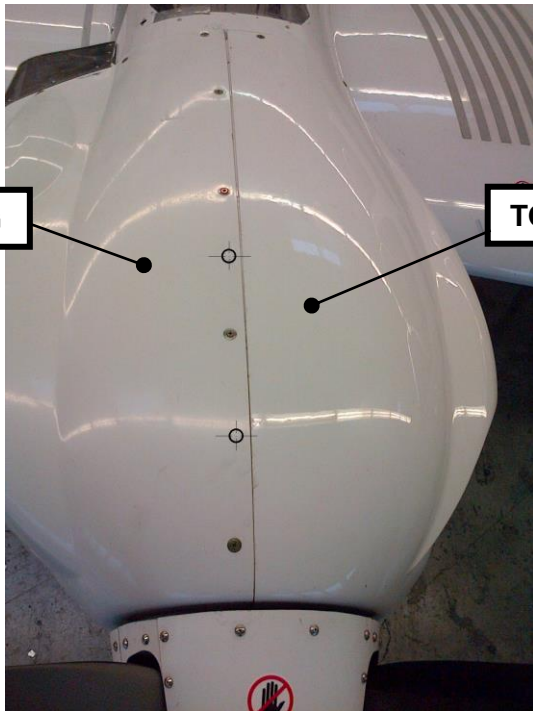
Test Cap D44-7521-00-00-ST.



### II.3 Material

Quantity	Part Number.	Description
1	D64-7521-00-00_03	Coolant tank assy
a.r.	561_16	Plug, 6mm

Material is available from Diamond Aircraft Industries.

### III INSTRUCTIONS

1	<p>Remove the top LH and RH cowling of the affected engine i.a.w. AMM Section 71-10.</p> <p><b>Note: If the top LH and RH cowling of the affected engine have 2 additional camlocs installed acc. to picture below, the 4. camloc from spinner backwards must be removed acc. to step 2 – step 4. If the top LH and RH cowling of the affected engine do not have 2 additional camlocs installed acc. to picture below, skip step 2 – step 4.</b></p> 
2	<p>Remove the latch of the 4. camloc from spinner backwards in top LH cowling by drilling out the blind rivets.</p>
3	<p>Remove the bolt of the 4. camloc from spinner backwards in top RH cowling.</p> <p><b>Note: Leave the camloc grommet and the retainer ring in place.</b></p>

4	<p>Bond the 6 mm plug 561_16 with a cyanoacrylate bonding agent into the grommet of the 4. camloc from spinner backwards in top RH cowling acc. to picture below.</p> 
5	<p>Remove the old coolant tank i.a.w. AMM Section 75-00.</p>
6	<p>Install the new coolant tank D64-7521-00-00_03 i.a.w. AMM Section 75-00.</p> 
7	<p>Perform a Pressure Relief Valve Test i.a.w. AMM Section 75-00.</p>
8	<p>Clean working area, check for foreign objects</p>
9	<p>Check all altered, replaced, repaired parts for proper function.</p>
10	<p>Test all systems in working area for function.</p>
11	<p>Install the top LH and RH cowling i.a.w. AMM Section 71-10.</p>
12	<p>Make all necessary entries in the airplane logs.</p>