

# OPTIONAL SERVICE BULLETIN

## OSB D4-080/1

### **I TECHNICAL DETAILS**

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

Optional.

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

Type: DA 40 D  
Serial numbers: 40.080, 40.084, D4.001 and subsequent

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

10-Nov-2010

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

At owner's discretion.

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

Conversion of DA 40 D airplanes to variant DA 40 NG.

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

Diamond Aircraft Industries has developed the DA 40 NG (a new variant of the DA 40 using the Austro Engine AE 300 (E4) engine) featuring improved performance and increased payload. To give the owners of a DA 40 D airplanes the possibility to take advantage of the improved DA 40 NG, this Service Bulletin provides information to convert the DA 40 D to a DA 40 NG.

Note: For Airplanes with conventional instrument panel:  
Currently only one specific I-Panel-Configuration is defined after installation of this Service Bulletin.

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

None.

## **I.8 Approval**

The technical information or instructions contained in this document relate to the Design Change Advisory No. VÄM 40-004, OÄM 40-329, OÄM 40-330 and OÄM 40-332 which have been approved by EASA or 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**

Comply with WI-OSB D4-080, latest effective issue.

### **NOTE:**

Due to the number of tools and required facilities conversions can at first only be carried out at the Diamond Aircraft Industries facilities in Wiener Neustadt, Austria. This is considered a complex maintenance task acc. to regulation (EC) 2042/2003 Annex VII 2(d).

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

Mass (Weight) and CG affected. For reweighing refer to WI-OSB D4-080, latest effective issue.

# **II PLANNING INFORMATION**

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

See WI-OSB D4-080, latest effective issue.

Materials including drawings are available from Diamond Aircraft Industries.

## **II.2 Special Tools**

See WI-OSB D4-080, latest effective issue.

## **II.3 Labour Effort**

n.a.

## **II.4 Credit**

None.

## **II.5 Reference Documents**

DA 40 Series Airplane Maintenance Manual, Doc. No. 6.02.01, latest effective issue.

DA 40 NG Airplane Maintenance Manual, Doc. No. 6.02.15, latest effective issue.

Austro Engine Installation Manual AE 300 Doc. No. E4.02.01, latest effective issue

Austro Engine Operation Manual AE 300 Doc. No. E4.01.01, latest effective issue

Austro Engine Maintenance Manual AE 300 Doc. No. E4.08.04, latest effective issue

## **III REMARKS**

1. Only Service Bulletin issued for type DA 40 NG are applicable for converted aircraft.
2. This Service Bulletin may ONLY be carried out by Diamond Aircraft Industries in Wiener Neustadt, Austria.
3. All works, particular those that are not especially described in this Service Bulletin, must be carried out in accordance with the referenced Maintenance Manual.
4. This Service Bulletin only covers the modification of already installed DAI approved optional equipment. Retrofit installation of other optional equipment requires an additional Service Bulletin, approved design data or STC.
5. Accomplishment of the measures must be confirmed in the log book.
6. In case of doubt contact Diamond Aircraft Industries GmbH.

**APPLICATION FOR A NEW TYPE PLATE  
OSB D4-080/1**

## AIRPLANE DATA

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

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

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

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

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

Hours of operation – engine \_\_\_\_\_

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

\_\_\_\_\_  
Date, Name, Sign

Please send the completed form together with the old type plate by registered mail to

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Office of Airworthiness  
N. A. Otto-Strasse 5  
A-2700 Wiener Neustadt  
Austria