

# OPTIONAL SERVICE BULLETIN

## OSB 42-084/8

SUPERSEDES OSB 42-084/7

### I **TECHNICAL DETAILS**

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

Optional.

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

Type: DA 42, DA 42 M

Serial numbers: 42.182, 42.191, 42.195, 42.199, 42.221, 42.234, 42.262, 42.319, 42.328, 42.334, 42.354, 42.356, 42.412, 42.M001 and 42.M016 provided that MÄM 42-088 or OSB 42-014 have been installed

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

18-Aug-2010

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

At owner's discretion.

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

Increase of Maximum Zero Fuel Mass.

ATA-Code: 57-00

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

To provide greater flexibility in loading and operation of DA 42 / DA 42 M airplanes the Maximum Zero Fuel Mass may be increased by limiting the structural temperature to 1674 kg (3690 lb) and in combination with OSB 42-086 to 1730 kg (3814 lb).

#### 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 42-188, which has been approved by EASA.

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 42-084, latest effective issue.

Note: To reduce the increase of the structural temperature by solar radiation it is recommended to install a striped safety walk (OSB 42-071 or OSB 42-079).

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

Not affected.

# **II PLANNING INFORMATION**

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

See WI-OSB 42-084, latest effective issue.

Materials including drawings are available from Diamond Aircraft Industries.

## **II.2 Special Tools**

None.

## **II.3 Labour Effort**

Approx. 2 hour.

Aircraft on ground min. 8 hours

## **II.4 Credit**

None.

## **II.5 Reference Documents**

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

### **III REMARKS**

1. All work must be done by a certified aircraft service station or a certified aircraft maintenance mechanic.
2. This Service Bulletin may **ONLY** be done by Diamond Aircraft Industries.
3. All work, particular that which is not especially described in this Service Bulletin, must be done in accordance with the referenced Maintenance Manual.
4. Completion of all work must be recorded in the log book.
5. 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.
6. In case of doubt contact Diamond Aircraft Industries GmbH.

**EXECUTION REPORT TO  
SERVICE BULLETIN  
OSB 42-084/8**

## AIRPLANE DATA

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 send the completed form  
to [executionreports@diamondaircraft.com](mailto:executionreports@diamondaircraft.com)