

OPTIONAL SERVICE BULLETIN

OSB 42-086/5

SUPERSEDES OSB 42-086/4

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, 42.319, 42.328, 42.334, 42.354, 42.356, 42.412 and 42.M001
provided that MÄM 42-088 or OSB 42-014 has been carried out

I.3 Date of effectivity

18-Aug-2010

I.4 Time of Compliance

At owner's discretion.

I.5 Subject

Installation of the DA 42 NG Landing Gear on DA 42 aircraft.

ATA-Code: 32-00

I.6 Reason

With the DA 42 NG a landing gear with higher load capacity has been developed. This landing gear is fully retrofitable into the DA 42 and DA 42 M and allows the increase of the maximum landing mass to the maximum take off mass of 1785 kg (3944 lb). To take credit of this improvement on airplanes in the field, this service bulletin must be complied with.

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 42-195, which has been approved 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 42-086, latest effective issue.

I.10 Mass (Weight) and CG

Mass (Weight) and CG affected. See WI-OSB 42-086, latest effective issue.

II PLANNING INFORMATION

II.1 Material and Availability

See WI-OSB 42-086, latest effective issue.

Materials including drawings are available from Diamond Aircraft Industries.

II.2 Special Tools

None.

II.3 Labour Effort

Approx. 80 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 42-086/5**

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