

OPTIONAL SERVICE BULLETIN NO. OSB 42-057

I TECHNICAL DETAILS

I.1 Category

Optional

I.2 Airplanes affected

Type: DA 42

Serial Numbers: All DA 42 aircraft equipped with Thielert TAE 125-02-99 engine provided that MÄM 42-088 or SB 42-014 (MTOM 1785kg) is carried out and OÄM 42-130 is not carried out

I.3 Date of Effectivity

19-May-2008

I.4 Time of Compliance

At owners discretion.

I.5 Subject

Exhaust System - Installation of an additional exhaust end pipe

ATA-Code: 78-00

I.6 Reason

Diamond Aircraft Industries GmbH has developed a new exhaust end pipe which reduces the noise emission level of the engine. This improvement reduces the Nose Value to 77.3 dB(A) which is 10.7 dB(A) lower than required by ICAO Annex 16, Vol. I, Chapter 10.

I.7 Concurrent Documents

None.

I.8 Approval

The technical information or instructions contained in this document are related to the Design Change Advisory No. OÄM 42-130, which has been approved by EASA.

The technical content of this document has been approved under the authority of DOA No. EASA.21J.052.

I.9 Accomplishment/Instructions

WI-OSB-42-057, latest effective issue must be complied with.
A new noise certificate must be applied for.

I.10 Mass (Weight) and CG

The effects on mass and Center of Gravity are negligible.

II PLANNING INFORMATION**II.1 Material & Availability**

All necessary material is available through Diamond Aircraft Industries GmbH.

II.2 Special Tools

No special tools are necessary.

II.3 Credit

None.

II.4 Reference Documents

DA 42 – Airplane Maintenance Manual, Doc. 7.02.01 latest effective issue.

Temporary Revision to the DA 42 Airplane Flight Manual, Doc. TR-OÄM-42-130, latest effective issue.

Temporary Revision to the DA 42 Airplane Maintenance Manual, Doc. AMM-TR-OÄM-42-130, latest effective issue.

III REMARKS

- 1) All measures must be carried out by a certified aircraft station or a certified aircraft mechanic.
- 2) Accomplishment of the measures must be confirmed in the log book.
- 3) In case of any doubt, contact Diamond Aircraft Industries GmbH.



EXECUTION REPORT TO SERVICE BULLETIN OSB 42-057

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, Sign

Please fax the completed form to Fax No. +43-2622-26700-369 or e-mail to
airworthiness@diamond-air.at