

RECOMMENDED SERVICE BULLETIN

RSB 42-097

I TECHNICAL DETAILS

I.1 Category

Recommended.

I.2 Airplanes affected

Type: DA 42, DA 42 M

Serial numbers: 42.203, 42.224, 42.232 through 42.416, 42.427

42.AC065 through 42.AC151

42.M001 through 42.M026

Airplanes with OSB 42-046 using WI-OSB 42-046 Rev. 0 or 1

I.3 Date of effectivity

20-Feb-2013

I.4 Time of Compliance

At owner's discretion.

I.5 Subject

Replacement of Manifold Pressure Line Fitting.

ATA-Code: 77-00

I.6 Reason

An new fitting for the manifold pressure line has been approved, that increases the durability of the manifold pressure line.

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 42-677, 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

1. Assemble all 4 Manifold Pressure Fitting D4D-7156-11-00 and Fitting P-EVW 3/8 J/C ALU.
2. Remove LH and RH Cowlings i.a.w. AMM Section 71-10.
3. Replace Manifold Pressure Fittings D4D-7616-10-00 with the assembled new fitting (2 on both LH and RH side).
4. Inspect map lines for damage and wear.
5. Connect Manifold Pressure Lines (2 on both LH and RH side).



6. Test all systems in working area for function.
7. Clean working areas, check for foreign objects.
8. Install Cowlings i.a.w. AMM Section 71-10.
9. Make all necessary entries in the airplane logs.

I.10 Mass (Weight) and CG

No change.

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

Quantity	Part Number	Description
4	D4D-7156-11-00	Manifold Pressure Fitting
4	P-EVW 3/8 J/C ALU	Fitting
4	05392812003100	Hose clamp

Material is available from Diamond Aircraft Industries.

II.2 Special Tools

None.

II.3 Labour Effort

Approx. 1 hours.

II.4 Credit

None.

II.5 Reference Documents

DA 42 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. All work, particular those that are 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.



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EXECUTION REPORT TO SERVICE BULLETIN RSB 42-097

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 fax the completed form to Fax No. +43-2622-26700-1369 or e-mail to
airworthiness@diamond-air.at