

RECOMMENDED SERVICE BULLETIN

RSB 42NG-038

I TECHNICAL DETAILS

I.1 Category

Recommended.

I.2 Airplanes affected

Type: DA 42 NG

Serial numbers: 42.N100 through 42.N123, 42.N130

I.3 Date of effectivity

15-May-2014

I.4 Time of Compliance

At owner's discretion

I.5 Subject

Removal of check valves in aux tank line.

ATA-Code: 28-00

I.6 Reason

To enable self-priming of the auxiliary fuel tank pump after drawing air from the tank, the fitting with an integrated check valve in the aux tank line can be replaced by a fitting. This Service Bulletin describes the replacement procedure.

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 42-056/v, 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. Make sure the auxiliary fuel tank is empty.
2. Remove the auxiliary fuel tank access panel.

Note Check, if the fitting in the solenoid valve is marked with a check valve symbol on one of the flanges. If there is no check valve symbol on the fitting, the check valve has already been replaced.



3. Disconnect the fuel transfer line on from the solenoid valve.
4. Replace the check valve with fitting D60-9028-14-02.
5. Connect the fuel transfer line to the solenoid valve.
6. Fill the auxiliary fuel tank with at least 8 liters (2 US gal) of fuel.
7. Do a test of the auxiliary fuel transfer system i.a.w. AMM Section 28-21.
8. Check the auxiliary fuel system for leakage.
9. Install the auxiliary fuel tank access panel.
10. Repeat steps 1 through 9 on the other side.
11. Make all necessary entries in the airplane logs.

I.10 Mass (Weight) and CG

No change.

II PLANNING INFORMATION

II.1 Material and Availability

D60-9028-14-02 Fitting 2 Pc

Material is available from Diamond Aircraft Industries.

II.2 Special Tools

None.

II.3 Labour Effort

Approx. 2 hours.

II.4 Credit

None.

II.5 Reference Documents

DA 42 NG Airplane Maintenance Manual, Doc. No. 7.02.15, 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 that, which is 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 42NG-038

AIRPLANE INFORMATION

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. +43-2622-26700-1369 or e-mail to
airworthiness@diamond-air.at