

OPTIONAL SERVICE BULLETIN

NO. OSB 42-065/1

I TECHNICAL DETAILS

I.1 Category

Optional.

I.2 Airplanes affected

Type: DA 42, DA 42 M

Serial Numbers: All

I.3 Date of Effectivity

26-May-2009

I.4 Time of Compliance

At holders discretion.

I.5 Subject

Installation of an alternative main battery

ATA-Code: 24-31

I.6 Reason

The main battery Gill G243 can be replaced with the battery Concorde RG24-11M or RG24-15M in order to increase the electric capacity.

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 42-092, which has been approved under the authority of EASA Design Organization Approval No. EASA.21J.052.

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

I.9 Accomplishment/Instructions

1. Remove / install the main Battery in accordance with Airplane Maintenance Manual DA 42 Doc. No. 7.02.01 latest effective issue, Chapter 24-31
2. Clean working area and check for foreign objects.
3. Perform functional check of electric systems.
4. Make necessary entries into aircraft logs.
5. Incorporate AFM TR-OÄM-42-092 into the Airplane Flight Manual Doc. No. 7.01.05-E, if necessary.

Note: It is recommended to always use the latest revision of the Airplane Flight Manual Doc. No. 7.01.05-E.

I.10 Mass (Weight) and CG

Due to different masses of approved main batteries the new mass has to be considered in the weight and balance report:

Lever arm	...	1.249 m / 49.17 in
Battery Gill G243	...	12,7 kg / 28 lbs
Battery Concorde RG24-11M	...	12,0 kg / 26,5 lbs
Battery Concorde RG24-15M	...	13,4 kg / 29,5 lbs

II PLANNING INFORMATION

II.1 Material & Availability

Battery Concorde RG24-11M or RG24-15M

II.2 Special Tools

None.

II.3 Labor Effort

<1 hour

With Oxygen System <2 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 measures must be carried out by a certified aircraft maintenance station or a certified aircraft maintenance mechanic.
- 2) All works, particular those that are not especially described in this service bulletin, must be carried out in accordance with the referenced maintenance manual.
- 3) Accomplishment of the measures must be confirmed in the log book.
- 4) In case of any doubt, contact Diamond Aircraft Industries GmbH.



**EXECUTION REPORT TO
SERVICE BULLETIN OSB 42-065/1**

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