

# 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 \_\_\_\_\_

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Date, Name, Sign

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