

# MANDATORY SERVICE BULLETIN NO. MSB D4-030/2

## SUPERSEDES MANDATORY SERVICE BULLETIN NO. MSBD4-030/1

### **I. TECHNICAL DETAILS**

#### **1.1 Category**

Mandatory.

#### **1.2 Airplanes affected**

Type: DA 40 D

Serial numbers: 40.080, 40.084, D4.001 through D4.117

#### **1.3 Time of Compliance**

Within the next 100 hours of operation,  
but not later than 30-Nov-2004

#### **1.4 Subject**

Installation of a Silicate Cartridge in the engine liquid cooling system

ATA-Code: 75-20

#### **1.5 Reason**

It has been found that in the cylinder heads over a certain period corrosion can happen which lead to a loss of coolant.

#### **1.6 Concurrent documents**

TAE TM 125-0007 latest revision

### 1.7 Approval

The technical information or instructions contained in this document relate to the Design Change Advisory No. MÄM 40-136 which has been approved under the authority of MOT Design Organization Approval no. MOT JA-01.

The technical information contained in this document has been approved under the authority of JAA Design Organization Approval No. MOT JA-01.

### 1.8 Accomplishment/Instructions

Exchange installed liquid coolant tank, Part No.D4D-7521-00-00, against new liquid coolant tank, Part No. D4D-7521-00-00\_1, in accordance to the instructions given in the Airplane Maintenance Manual and AMM-TR-MÄM-40-136.

#### **CAUTION**

Exchange always vessel and cap together to avoid variation in pressure setting.

### 1.9 Mass (Weight) and CG

Change in mass and cg is negligible.

## II. PLANNING INFORMATION

### 2.1 Material & Availability

All necessary parts with specific part numbers can be ordered from

Thielert Aircraft Engines GmbH  
Platanenstraße 14  
D-09350 Lichtenstein  
Tel. \*49-37204-696-0  
Fax \*49-37204-696-50  
Internet [www.centurion-engines.com](http://www.centurion-engines.com)

All other parts shall be procured locally.

<u>Qty</u>	<u>Description</u>	<u>Part Number</u>
1	Liquid Coolant Tank	D4D-7521-00-00_1
1	Ötiker-Clamp, 13.8 mm diameter	13.8GER

## **2.2 Special Tools**

No special tools are required.

## **2.3 Labor effort**

Installation of new vessel:	30 minutes
Overall work:	2 hours

## **2.4 Credit**

For parts credit contact Thielert Aircraft Engines GmbH (address see above)

## **2.5 Reference documents**

DA 40 Series Airplane Maintenance Manual, Doc. No. 6.02.01 and AMM-TR-MÄM-40-136.

## **III. REMARKS**

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