

# MANDATORY SERVICE BULLETIN

## NO. MSB-D4-057/1

### SUPERSEDES MSB-D4-057

## I TECHNICAL DETAILS

### I.1 Category

Mandatory

### I.2 Airplanes affected

Type: DA 40 D equipped with TAE 125-01 engine

Serial Numbers: 40.080, 40.084,  
D4.001 up to and incl. D4.222  
D4.227, D4.228

### I.3 Time of Compliance

Measures have to be accomplished within the next 100 flight hours.

### I.4 Subject

Installation of a redesigned breather line and a new oil separator

ATA-Code: 72

### I.5 Reason

Thielert Service Bulletin TM TAE 125-0019 prescribes the replacement of the oil separator and the breather line.

### I.6 Concurrent Documents

Thielert Repair Manual RM-02-01, latest effective issue.

Thielert Service Bulletin TM TAE 125-0019, latest effective issue.

### **I.7 Approval**

The technical information or instructions contained in this document relate to the Design Change Advisory No. MÄM 40-269, which has been approved under the authority of DOA No. EASA.21J.052.

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

### **I.8 Accomplishment / Instructions**

WI-MSB-D4-057, latest effective issue must be complied with.

### **I.9 Mass (Weight) and CG**

Negligible

## **II PLANNING INFORMATION**

### **II.1 Material & Availability**

The Work Instruction WI-MSB-D4-057 and necessary materials are available via DAI.

### **II.2 Special Tools**

None

### **II.3 Credit**

None

### **II.4 Labor effort:**

Approx. 1 hour

### **II.5 Reference Documents**

DA 40 Series Airplane Maintenance Manual Doc. No. 6.02.01, latest effective issue  
WI-MSB-D4-057, latest effective issue.

### **III REMARKS**

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

# WORK INSTRUCTION

## WI-MSB-D4-057

### „REDESIGN OF BREATHER LINE AND OIL SEPARATOR “

## **I GENERAL INFORMATION**

### **I.1 Subject:**

Installation of a redesigned breather line and a new oil separator, necessary within the next 100 flight hours.

### **I.2 Reference Documents:**

Diamond Aircraft DA 40 Series Airplane Maintenance Manual, Doc. No. 6.02.01, latest effective issue

### **I.3 Remarks:**

- a) The work must be carried out by a certified aircraft service station or a certified aircraft maintenance mechanic. In case of doubt, contact Diamond Aircraft.
- b) All works, particularly those that are not especially described in this work instruction, have to be carried out in accordance with the referenced maintenance manual.

## **II DRAWINGS, SPECIAL TOOLS & MATERIALS**

### **II.1 Drawings:**

D4D-7906-01-00, Rev. “b” or later

### **II.2 Special Tools:**

None

**II.3 Material**

Qty	Description	Part Number
1	Oil Separator (TAE)	02-7250-18310xx
1	Seal (TAE)	02-6120-16201
1	Fitting 45°-10D 5/8"	704611
1	Adapter	919025
1.0 m	Stratoflex hose	193-10
1	Hose clamp	SGTS_16-27_9W1C7
1.0 m	Fire sleeve	2650-16
5	Tie wrap	PLT 2 S M30
0.5 m	Spiral wrap	T25N-C
0.5 m	Spiral wrap	T50F
a.r.	Safety wire	MS20995C025-1LB

**III INSTRUCTIONS**

<b>Additional instructions to engine change (TAE 125-01):</b>	
1	Remove oil separator and breather line.
2	Install new oil separator and new breather line according the following pictures of this WI and drawing D4D-7906-01-00, rev. "b" or later.

3 Install coolant- and battery bleed line outside of collector pipe with tie wrap.

Protect outside installed lines with spiral wrap.



4 Clean working area and check for foreign objects.

5 Perform functional check of all systems in working area.

6 Make necessary entries into aircraft logs.