

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

Additional instructions to engine change (TAE 125-01):	
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.