

RECOMMENDED SERVICE BULLETIN

NO. RSB-D4-050/1

SUPERSEDES RSB-D4-050

I TECHNICAL DETAILS

I.1 Category

Recommended

I.2 Airplanes Affected

Type: DA 40 D

Serial Numbers: 40.080, 40.084,
D4.001 up to and incl. D4.223,
D4.227, D4.231

I.3 Date of Effectivity

06-Nov-2006

I.4 Time of Compliance

At owners discretion.

I.5 Subject

Fuel System – Fuel Probe
ATA Code: 28

I.6 Reason

An improved fuel probe is available. The new fuel probe is resistant against failure due to water contamination of the fuel, where water droplets collect within the probe.

NOTE

It is highly recommended replacing the original fuel probe if troubles are experienced.

I.7 Concurrent Documents

None

I.8 Approval

The technical information or instructions contained in this document relate to the Design Change Advisory No. MÄM 40-115/b, 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

Comply with WI-RSB-D4-050, latest effective issue.

I.10 Mass (Weight) and CG

Mass and CG are not affected.

II PLANNING INFORMATION**II.1 Material & Availability**

See WI-RSB-D4-050, latest effective issue.

II.2 Special Tools

None.

II.3 Labor Effort

18 hours

II.4 Credit

None

II.5 Reference Documents

DA 40 Series Airplane Maintenance Manual, Doc. No. 6.02.01, latest effective issue.
WI-RSB-D4-050, 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) Accomplishment of the measures must be confirmed in the log book.
- 3) In case of doubt, contact Diamond Aircraft.

WORK INSTRUCTION

WI-RSB-D4-050

„Exchange of Fuel Probe“

I GENERAL INFORMATION

I.1 Subject:

The exchange of the fuel probe and replacement through an improved design.

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, particular 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:

None.

II.2 Special Tools:

None

II.3 Material:

Qty	Description	Part Number
2	Fuel Probe Assy	D4D-2817-13-00_1
2	Bushing	D4D-2817-11-30
4	Circlip	DIN472-J21X1

III INSTRUCTIONS

1	Remove Fuel Probe on LH Side. Refer to AMM Section 28-41-00 – Paragraph 4.A.
2	Install improved Fuel Probe, referring to AMM Section 28-41-00 – Paragraph 4.B with following amendments: Between step (1) and (2): <ul style="list-style-type: none">• Remove Teflon bushing/guide• Install new Circlip in new busing/guide (D4D-2817-11-30)• Install bushing/guide in tank assembly
3	Perform Items 1 and 2 for RH side.
4	Clean working area and check for foreign objects.
5	Perform functional check of altered, repaired and new parts.
6	Test all systems in working area for function.
7	Make necessary entries in aircraft logs.