

OPTIONAL SERVICE BULLETIN

OSB D4-100

OSB 40NG-036

I TECHNICAL DETAILS

I.1 Category

Optional.

I.2 Airplanes affected

Type: DA 40 D with a TAE 125-01 engine, DA 40 NG.

Serial numbers: D4.001 through D4.253

D4.255 through D4.278

D4.281

D4.288 through D4.295

40.DS001 through 40.DS004

40.N001 through 40.N229

Airplanes converted to DA 40 NG

I.3 Date of effectivity

03-Feb-2015

I.4 Time of Compliance

At owner's discretion.

I.5 Subject

Installation of the Coolant Level Sensor D4D-9075-26-26.

ATA-Code: 71-50

I.6 Reason

When replacing the coolant level sensor with coolant level sensor D4D-9075-26-26, a faston must be installed on the coolant level signal line instead of a ring terminal.

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 40-643/a, which has been approved under the authority of EASA Design Organization Approval ref. EASA.21J.052.

The technical content of this document has been approved under the authority of DOA ref. EASA.21J.052.

I.9 Accomplishments / Instructions

See WI-OSB D4-100 / WI-OSB 40NG-036, latest effective issue.

I.10 Mass (Weight) and CG

No Change.

II PLANNING INFORMATION

II.1 Material and Availability

See WI-OSB D4-100 / WI-OSB 40NG-036, latest effective issue.

II.2 Special Tools

None.

II.3 Labour Effort

Approx. 0.5 hours.

II.4 Credit

None.

II.5 Reference Documents

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

DA 40 NG Airplane Maintenance Manual, Doc. No. 6.02.15, latest effective issue.

III REMARKS

1. All work must be done by a certified aircraft service station or a certified aircraft maintenance mechanic.
2. All work, in particular that which is not especially described in this Service Bulletin, must be done in accordance with the referenced Maintenance Manual.
3. Completion of all work must be recorded in the log book.
4. In case of doubt contact Diamond Aircraft Industries GmbH.

**EXECUTION REPORT TO
SERVICE BULLETIN
OSB D4-100
OSB 40NG-036**

AIRPLANE INFORMATION

Airplane Serial Number _____

Airplane Registration _____

Airplane Operator _____

Hours of operation of airplane _____

No. of landings _____

Hours of operation-engine _____

Typical operation of airplane private, club, training, other _____

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

WORK INSTRUCTION

WI-OSB D4-100

WI-OSB 40NG-036

I GENERAL INFORMATION

I.1 Subject

Installation of the Coolant Level Sensor D4D-9075-26-26.

I.2 Reference Documents

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

DA 40 NG Airplane Maintenance Manual, Doc. No. 6.02.15, latest effective issue.

I.3 Remarks

- a) All work must be done by a certified aircraft service station or a certified aircraft maintenance mechanic.
- b) All work, in particular that which is not especially described in this work instruction, must be done in accordance with the referenced maintenance manual.
- c) In case of doubt, contact Diamond Aircraft Industries GmbH.

II DRAWINGS, SPECIAL TOOLS & MATERIALS

II.1 Drawings

None

II.2 Special Tools

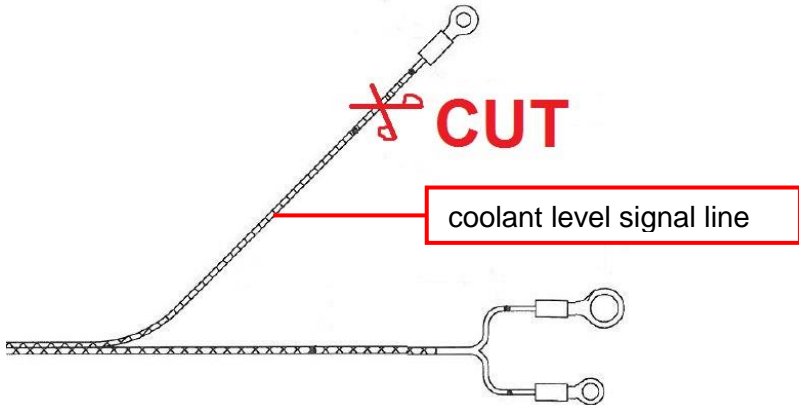
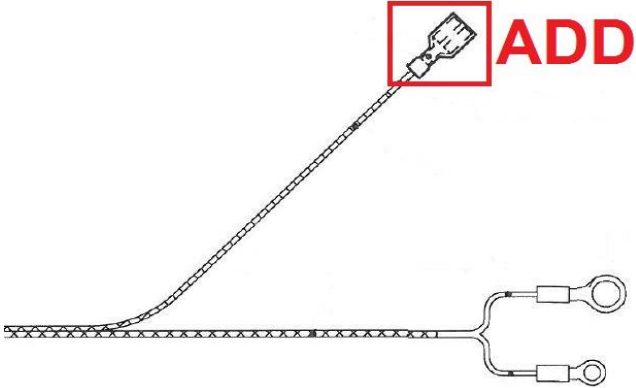
None.

II.3 Material

Quantity	Part No.	Description
1	2-510184-2	Faston Receptacle red
1	D4D-9075-26-26	Coolant Level Sensor
1	DIN 7603-A22x27 Cu	Sealing Ring, Flat 27x22x1,5
1	09-00306	Fuel lube

Material is available from Diamond Aircraft Industries.

III INSTRUCTIONS

1	Remove the Coolant Level Sensor from Coolant tank.
2	<p>Cut the ring terminal as shown in the picture below.</p> 
3	<p>Crimp the faston as shown in the picture below.</p> 
4	Lubricate the Coolant Level Sensor D4D-9075-26-26 with fuel lube.
5	Put the sealing ring on the new Coolant Level Sensor.
6	Install the Coolant Level Sensor D4D-9075-26-26 into the Coolant tank and connect the faston.
7	Clean working area, check for foreign objects

8	Check all altered, replaced, repaired parts for proper function.
9	Test all systems in working area for function.
10	Make all necessary entries in the airplane logs.