OPTIONAL SERVICE BULLETIN
OSB 42-113
OSB 42NG-049

I TECHNICAL DETAILS

I.1 Category

Optional.

I.2 Airplanes affected

Type:	DA 42, DA 42 M, DA42 NG, DA 42 M-NG
Serial numbers:	42.004 through 42.427
	42.AC001 through 42.AC151
	42.M001 through 42.M026
	42.MN001 through 42.MN032
	42.N001 through 42.N067
	42.N100 through 42.N141
	42.NC001 through 42.NC008

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 42-725/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 42-113 / WI-OSB 42NG-049, latest effective issue.

I.10 Mass (Weight) and CG

No Change.

II PLANNING INFORMATION

II.1 Material and Availability

See WI-OSB 42-113 / WI-OSB 42NG-049, 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 42 Series Airplane Maintenance Manual, Doc. No. 7.02.01, latest effective issue.

DA 42 NG Airplane Maintenance Manual, Doc. No. 7.02.15, 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 42-113 OSB 42NG-049

AIRPLANE INFORMATION

Airplane Serial Number _____

Airplane Registration _____

Airplane Operator _____

Hours of operation of airplane _____

No. of landings _____

Hours of operation-engine LH _____

RH _____

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

_____
Date, Name, Sign

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

WORK INSTRUCTION

WI-OSB 42-113

WI-OSB 42NG-049

I GENERAL INFORMATION

I.1 Subject

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

I.2 Reference Documents

DA 42 Series Airplane Maintenance Manual, Doc. No. 7.02.01, latest effective issue.

DA 42 NG Airplane Maintenance Manual, Doc. No. 7.02.15, 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

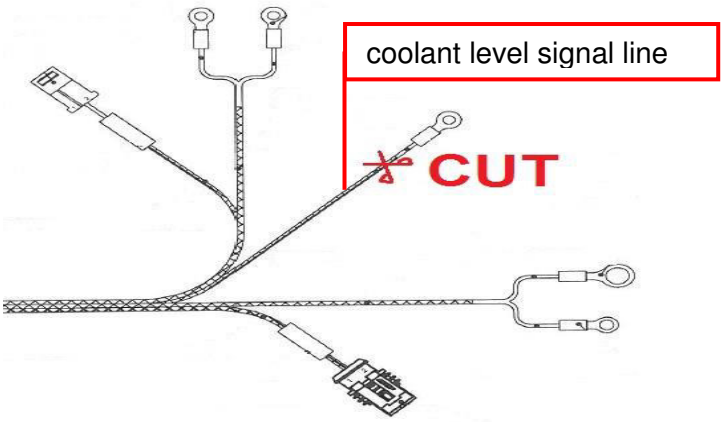
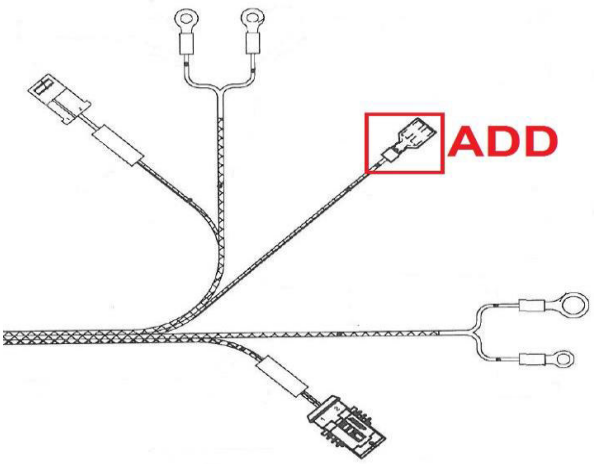
None.

II.3 Material

Quantity	Part No.	Description
1/ per engine	245-5446	Faston Receptacle red
1/ per engine	D4D-9075-26-26	Coolant Level Sensor
1/ per engine	DIN 7603-A22x27 Cu	Sealing Ring, Flat 27x22x1,5
a/r	09-25300	Fuel lube

Material is available from Diamond Aircraft Industries.

III INSTRUCTIONS

1	Remove the Coolant Level Sensor from Coolant tank.
2	Cut the ring terminal as shown in the picture below. 
3	Crimp the faston as shown in the picture below. 
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.