

OPTIONAL SERVICE BULLETIN

OSB 40-076

OSB F4-030

I TECHNICAL DETAILS

I.1 Category

Optional.

I.2 Airplanes affected

Type: DA 40, DA 40 F
Serial numbers: 40.696 and subsequent
40.F001 and subsequent
40.FC001 and subsequent

I.3 Date of effectivity

31-Oct-2013

I.4 Time of Compliance

At owner's discretion

I.5 Subject

Installation of CO Detector P/N 452-201-010 as a replacement for P/N 452-201-004.
ATA-Code: 31-00

I.6 Reason

The CO Detector P/N 452-201-004 is no longer available from the manufacturer. This Service Bulletin describes the installation of CO Detector P/N 452-201-010 as a replacement for P/N 452-201-004.

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 40-281, OÄM 40-222, OÄM 40-253, which have 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

Comply with WI-OSB 40-076 / WI-OSB F4-030, latest effective issue.

I.10 Mass (Weight) and CG

No change.

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

See WI-OSB 40-076 / WI-OSB F4-030, latest effective issue.

II.2 Special Tools

None.

II.3 Labour Effort

Approx. 1 hours.

II.4 Credit

None.

II.5 Reference Documents

DA 40 Series Airplane Maintenance Manual, Doc. No. 6.02.01, 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.



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**EXECUTION REPORT TO
SERVICE BULLETIN
OSB 40-076
OSB F4-030**

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, 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 40-076 / WI-OSB F4-030

I GENERAL INFORMATION

I.1 Subject

Installation of CO Detector P/N 452-201-010 as a replacement for P/N 452-201-004.

I.2 Reference Documents

DA 40 Series Airplane Maintenance Manual, Doc. No. 6.02.01, 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 if not 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

D4F-3110-30-00_01
D4F-3144-31-00_2

II.2 Special Tools

None.

II.3 Material

Quantity	Part Number	Description
1	452-201-010	CO Detector
1	D4F-3144-31-00-SB	CO Detector Retrofit Harness

Material including drawing is available from Diamond Aircraft Industries.

III INSTRUCTIONS

1	Set the ALT/BAT switch to OFF.
2	Disconnect the airplane main battery for maintenance (Refer to AMM Section 24-31).
3	Remove the instrument panel cover (Refer to AMM Section 25-10).
4	<p>Replace CO Detector unit P/N 452-201-004 with new CO Detector P/N 452-201-010.</p> <p>Note Use existing mounting hardware. Note If a conventional instrument panel is installed the CO detector is located beneath the VM1000 display (Refer to drawing D4F-3110-30-00_01). If the G1000 STC is installed the CO Detector is located behind the MFD (Refer to drawing D4F-3144-31-00_2).</p>
5	Connect the CO Detector Retrofit harness (D4F-3144-31-00-SB) to the CO Detector and the other end to instrument panel harness, connector J3124.
6	Attach the retrofit harness to the instrument panel harness using appropriate cable ties.
7	Install instrument panel cover (Refer to AMM Section 25-10).
8	Connect the airplane main battery after maintenance (Refer to AMM Section 24-31).
9	<p>Do a Power On Self Test: Switch power on. The test is passed if the LED at the remote switch flashes two times.</p>
10	<p>Do a manual test of the CO Detector: Press the remote switch. The test is passed if the LED at the remote switch flashes two times.</p>
11	Clean working areas, check for foreign objects.
12	Check all altered, replaced, repaired parts for proper function.
13	Test all systems in working area for function.
14	Make all necessary entries in the airplane logs.