

OPTIONAL SERVICE BULLETIN

OSB 42-111

OSB 42NG-048

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 and subsequent
42.AC001 and subsequent
42.M001 and subsequent
42.MN001 and subsequent
42.N001 and subsequent
42.NC001 and subsequent

I.3 Date of effectivity

01-Sep-2015

I.4 Time of Compliance

At owner's discretion.

I.5 Subject

Installation of a Winter Kit in center wing fresh air inlet.

ATA-Code: 21-50

I.6 Reason

For better comfort regarding cabin temperatures when operating at low outside air temperatures, a ventilation Winter Kit may be installed at the air inlet of the center wing (lower side of RH center wing stub) to reduce the amount of cold air in the cabin and avoid cold ventilation of channels.

I.7 Concurrent Documents

None.

I.8 Approval

The technical information or instructions contained in this document relate to the Design Change Advisory No. OÄM 42-279, 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 42-111 / WI-OSB 42NG-048, latest effective issue.

I.10 Mass (Weight) and CG

No Change.

II PLANNING INFORMATION

II.1 Material and Availability

See WI-OSB 42-111 / WI-OSB 42NG-048, 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 42-111
OSB 42NG-048**

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

WORK INSTRUCTION

WI-OSB 42-111

WI-OSB 42NG-048

I GENERAL INFORMATION

I.1 Subject

Installation of a Winter Kit in center wing fresh air inlet.

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

D60-2120-00-00X01

II.2 Special Tools


None.

II.3 Material

Quantity	Part No.	Description
1	D60-2120-10-00	Winter Kit center wing
1	99E10-01	camloc latch
1	99N10-01A1	locking nut
1	V27W01-1AN	retaining washer
1	V27S02-6AGV	camloc with countersunk

Material is available from Diamond Aircraft Industries.

III INSTRUCTIONS

1	Position the Winter Kit center wing D60-2120-10-00 on the center wing NACA-air inlet i.a.w. drawing D60-2120-00-00X01.
2	<p>Mark the hole of positioned sheet (refer to picture below) on center wing.</p> 
3	Drill and countersink hole for the holder cam i.a.w. drawing D60-2120-00-00X01.
4	Put the Camloc latch 99E10-01 through the hole in center wing and fix the Camloc latch with a locking nut 99N10-01A1. Bond the locking nut with thickened resin i.a.w. AMM Chapter 51 and drawing D60-2120-00-00X01.
5	Install the Winter Kit center wing with retaining washer V27W01-1AN and Camloc V27S02-6AGV i.a.w. with drawing D60-2120-00-00X01. NOTE: It is required to remove the Winter Kit Baffle, when the outside air temperature exceeds 15°C!
6	Clean working area, check for foreign objects
7	Check all altered, replaced, repaired parts for proper function.

8	Test all systems in working area for function.
9	Insert TR-OÄM-42-279 into the AFM or use a AFM revision in which the TR has been incorporated.
10	Make all necessary entries in the airplane logs.