

OPTIONAL SERVICE BULLETIN NO. OSB40-015

I. TECHNICAL DETAILS

1.1 Category

Optional.

1.2 Airplanes affected

DA 40 all serial numbers.

1.3 Time of Compliance

At owner's discretion.

1.4 Subject

Winterization kit.

ATA-Code: 71-00

1.5 Reason

A Winterization Kit can be installed in order to reduce the engine oil cooling to allow favorable oil temperatures when operating the aircraft at low outside air temperatures.

1.6 Concurrent documents

Work Instruction No. WI-OÄM40-078.

1.7 Approval

The technical information contained in this document has been approved under the authority of MOT Design Organisation Approval No. MOT JA-01.

1.8 Accomplishment/Instructions

Work Instruction No. WI-OÄM40-078 latest effective issue must be complied with.

1.9 Mass (Weight) and CG

Not affected.

II. PLANNING INFORMATION

2.1 Material & Availability

All necessary parts can be ordered from Diamond Aircraft Industries GmbH or from your local General Distributor or Diamond Service Center.

2.2 Special Tools

No special tools are required.

2.3 Labor effort

1 hour.

2.4 Credit

None.

2.4 Reference documents

Diamond DA40 Airplane Maintenance Manual, Doc. No. 6.02.01.

III. REMARKS

The work must be carried out by the manufacturer, a certified aircraft service station or a certified aircraft maintenance mechanic.

WORK INSTRUCTION WI-OÄM 40-078

„WINTERIZATION KIT“

I GENERAL INFORMATION

I.1 Subject

The installation of the Winterization Kit for standard baffles or baffles for improved cooling in accordance with OÄM 40-109.

I.2 Reference Documents

Diamond Aircraft DA 40 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 maintenance mechanic.
- 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.
- c) In case of doubt, contact Diamond Aircraft Industries.

II DRAWINGS, SPECIAL TOOLS & MATERIALS

II.1 Drawings

D41-7116-03-00/1

II.2 Special Tools

None.

II.3 Material

Quantity	Part No.	Description
1	D41-7116-61-00 or D41-7116-61-00/1	Winterization shield for standard baffles or Winterization shield for baffles for improved cooling in accordance with OÄM 40-109
1	99R10-01A1	Camloc Holding Cam
1	99N10-01A1	Nut

Material is available from Diamond Aircraft Industries.

III INSTRUCTIONS

1	Adjust the position of the winterization shield to the baffle. Ensure and mark an adequate position for the installation of the camloc.
2	Drill a hole with a diameter of 12 mm (0.47 in) (item 22 in drawing no. D41-7116-03-00/1, sheet 2) into the baffle.
3	Install the Camloc Holding Cam (p/n 99R10-01A1) with the nut (p/n 99N10-01A1) into the baffle and apply paste around it from the back side.
4	Install the winterization shield.
5	Clean working area and check for foreign objects.
6	Perform functional check of altered, repaired and new parts.
7	Test all systems in working area for function.
8	Make necessary entries into aircraft logs.