

SUPPLEMENT O1
TO THE AIRPLANE FLIGHT MANUAL DA 40 F
OPERATION OF THE
DA 40 F
WITH WINTER KIT

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1. GENERAL

1.1 INTRODUCTION

This Supplement supplies the information necessary for the efficient operation of the airplane when the winter kit is installed. The information contained within this Supplement is to be used in conjunction with the complete AFM.

This Supplement to the "Airplane Flight Manual DA 40 F" is a permanent part of the AFM and must remain in the AFM at all times when the winter kit is installed.

The implementation of the design change advisory OÄM 40-242 is prerequisite for the use of the DA 40 F with winter kit.

2. OPERATING LIMITATIONS

2.15 LIMITATION PLACARD

The following placard is attached to all four parts of the winter kit:

<p>Remove at Outside Temperatures above 15 °C / 59 °F</p>
--

2.16 OTHER LIMITATIONS

The winter kit should only be used at outside temperatures on ground below 15 °C / 59 °F, since engine temperatures below the limit engine temperatures cannot be guaranteed otherwise.

3. EMERGENCY PROCEDURES

No change.

4A. NORMAL OPERATING PROCEDURES

Proceed according to the normal operating procedures given in the main part of the Airplane Flight Manual.

In addition:

4A.3 CHECKLISTS FOR NORMAL OPERATING PROCEDURES

4A.3.1 PRE-FLIGHT INSPECTION

II. Walk-around check, visual inspection

* *Front fuselage:*

- Verify that the outside air temperature permits the use of the winter kit.
- Check all four parts of the winter kit for improper mounting or obvious damage.

4B. ABNORMAL OPERATING PROCEDURES

No change.

5. PERFORMANCE

No change.

6. MASS AND BALANCE

6.1 INTRODUCTION

The mass of the winter kit is negligible. The mass and balance data of the airplane therefore remain unchanged.

6.5 EQUIPMENT LIST

Additional equipment required for the operation with winter kit:

- 1 cover for the LH cooling air inlet
- 1 cover for the RH cooling air inlet
- 1 cover for the oil cooler duct
- 1 air filter protection sheet
- 8 camlocs for attachment

7. DESCRIPTION OF THE AIRPLANE AND ITS SYSTEMS

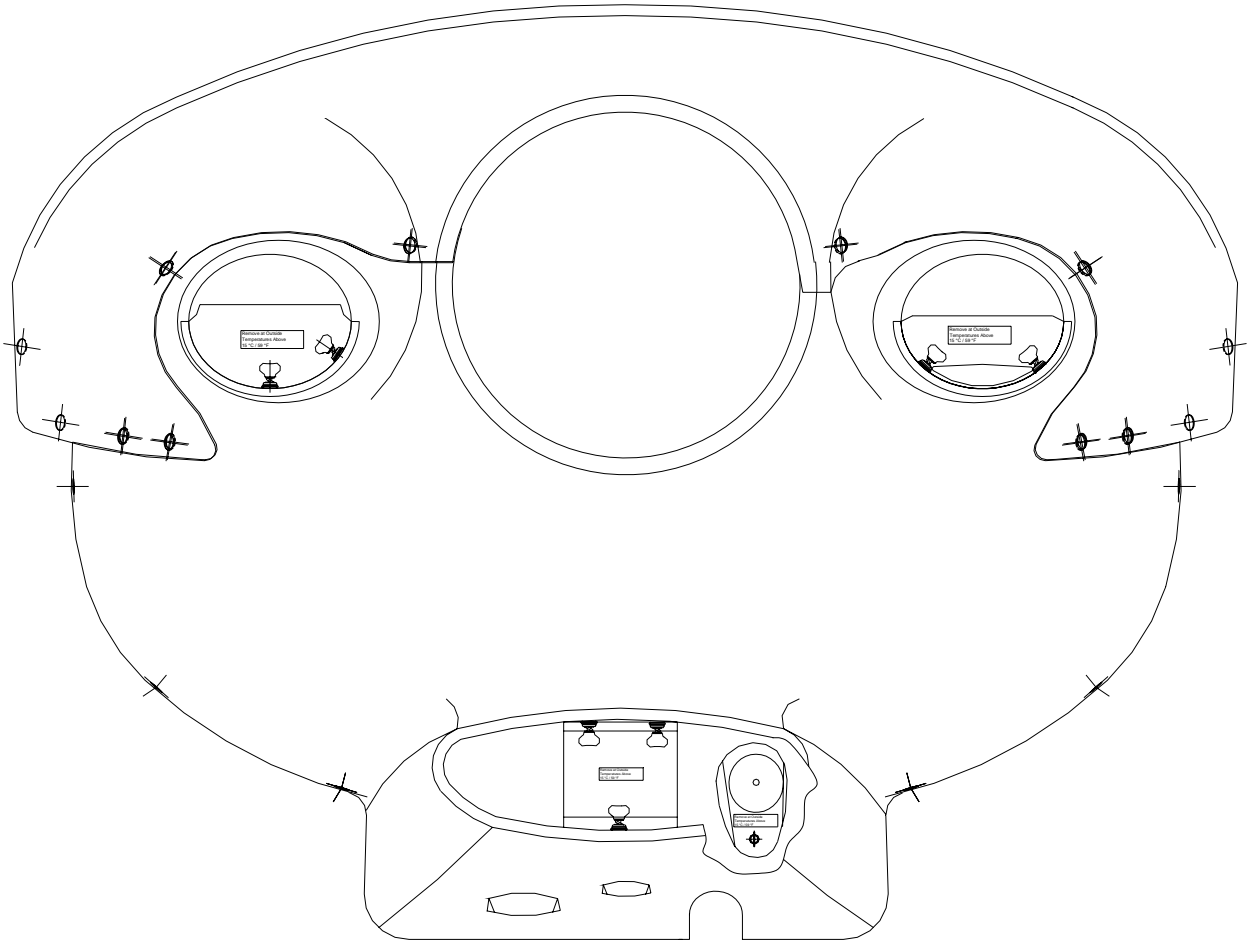
7.9 POWER PLANT

7.9.1 ENGINE, GENERAL

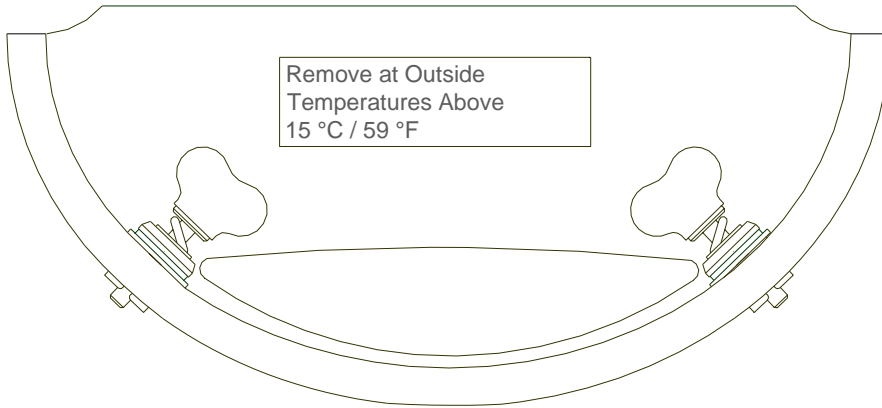
The winter kit consists of four protective yellow CFRP plates (winter kit) which restricts the flow of cooling air in case of the LH air inlet, the RH air inlet and oil cooling air duct. The fourth protective plate is designed to shield the induction air filter against blockage due to snow and ice accumulation.

All covers are attached by camlocs.

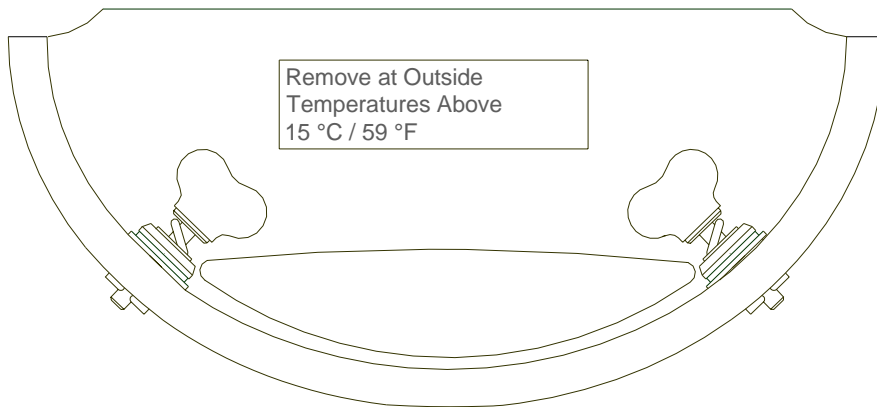
For installation bring each protective cover into position and close the related camlocs. For removal, reverse the sequence.



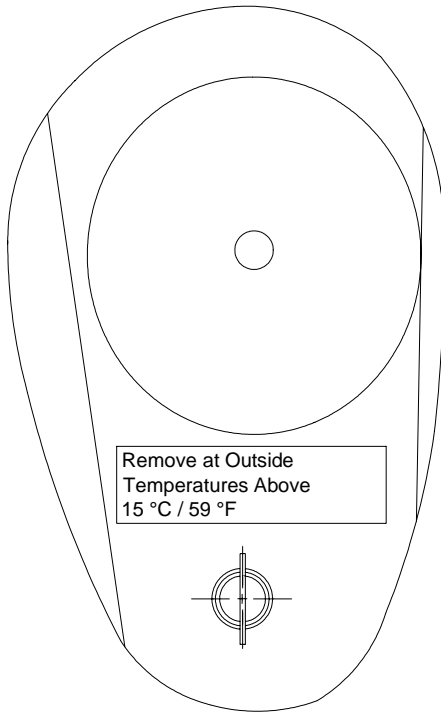
Installation of all four protective plates of the winter kit on the cowling.



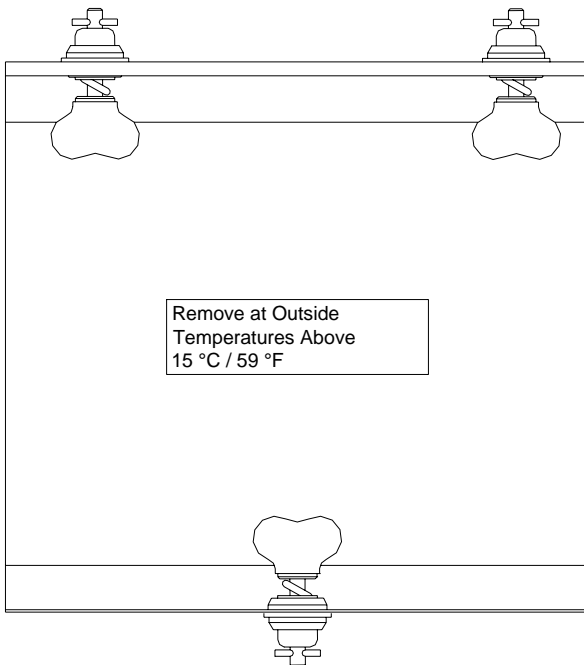
Protective plate of
LH air inlet



Protective plate of
RH air inlet



Protective plate of oil cooling air duct



Ice protection cover of the
induction air filter

8. AIRPLANE HANDLING, CARE AND MAINTENANCE

No change.