

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

**Doc. No.** : 6.01.02-E  
**Date of Issue of the Supplement** : 26 Jan 2006  
**Design Change Advisory** : OÄM 40-242

**Signature** :   
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**Stamp** :   
**Date of Approval** : 06. MRZ. 2006

The technical information contained in this document has been approved under the authority of DOA No. EASA.21J.052.

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**0.1 RECORD OF REVISIONS**

Rev. No.	Reason	Chapter	Page(s)	Date of Revision	Approval	Date of Approval	Date Inserted	Signature

## 0.2 LIST OF EFFECTIVE PAGES

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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><b>Remove at Outside Temperatures above 15 °C / 59 °F</b></p>
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### **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**

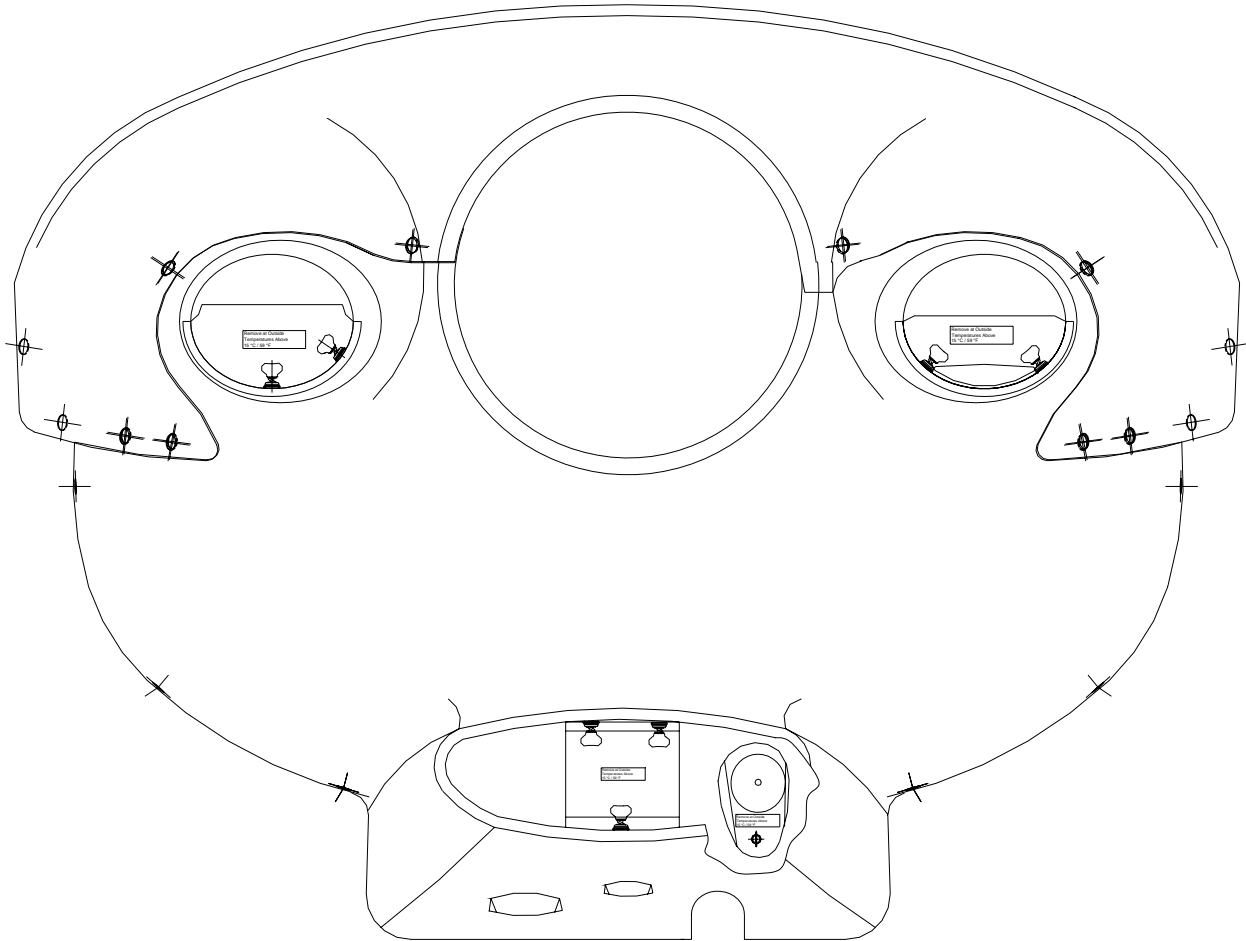
### **7.9 POWER PLANT**

#### **7.9.1 ENGINE, GENERAL**

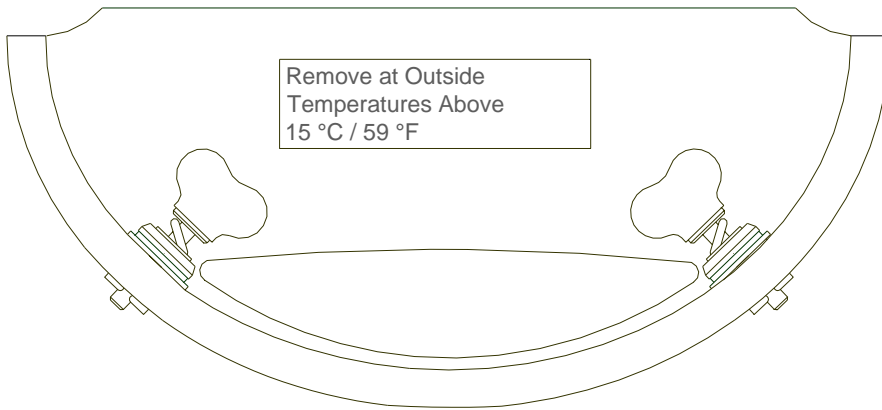
The winter kit consists of four protective yellow CFRP plates (winter kit) which restricts the flow of cooling air in case of the LH air inlet, the RH air inlet and oil cooling air duct. The fourth protective plate is designed to shield the induction air filter against blockage due to snow and ice accumulation.

All covers are attached by camlocs.

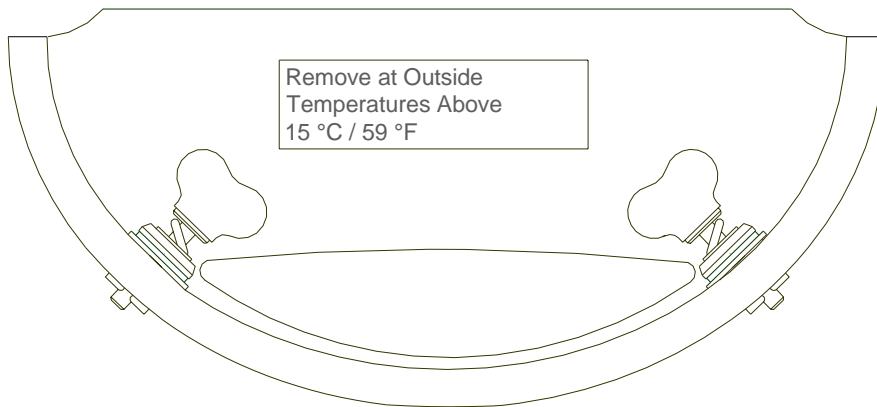
For installation bring each protective cover into position and close the related camlocs. For removal, reverse the sequence.



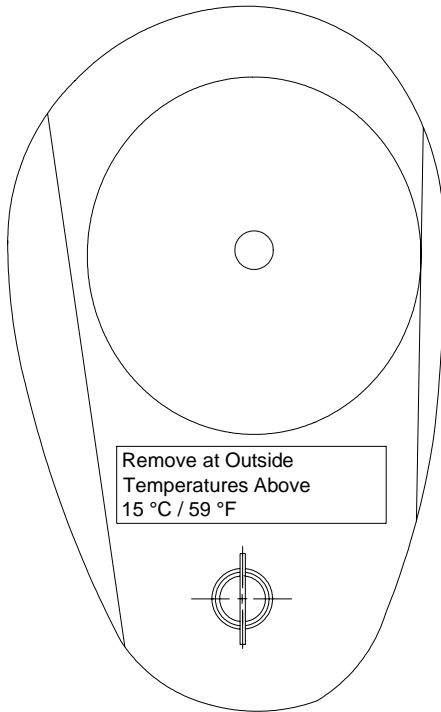
Installation of all four protective plates of the winter kit on the cowling.



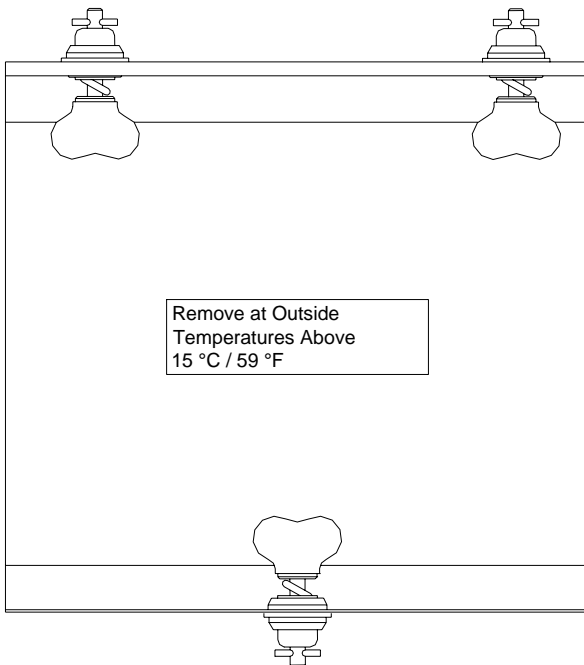
Protective plate of  
LH air inlet



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.