
SUPPLEMENT NO. 5
to the Flight Manual
for the Powered Sailplane
HK 36 TC with ROTAX 912 S3

OPERATION WITH WINTERIZATION KIT

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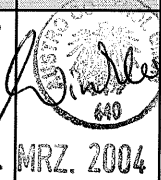
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This powered sailplane must be operated in compliance with the information and limitations contained herein.

Prior to operating the powered sailplane, the pilot must take notice of all the information contained in this Flight Manual.

0.1 RECORD OF REVISIONS

Rev. No.	Reason	Chapter	Page(s)	Date of Revision	EASA Approval No.	ACG verification	Date Inserted	Signature
1	FAA requirements	all	all	2003-10-06	2004-3263			

0.2 LIST OF EFFECTIVE PAGES

Chapter	Page	Date
0	9-5-0	06 Oct 2003
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	9-5-3	06 Oct 2003
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1. GENERAL

1.1 INTRODUCTION

% These pages constitute Supplement No. 5 to the "Flight Manual for the Powered
% Sailplane HK 36 TC with ROTAX 912 S3" and are valid only for the operation of the
powered sailplane with the optional winterization kit.

Translation of this Supplement has been done by best knowledge and judgement. In
any case, the original document in the German language is authoritative.

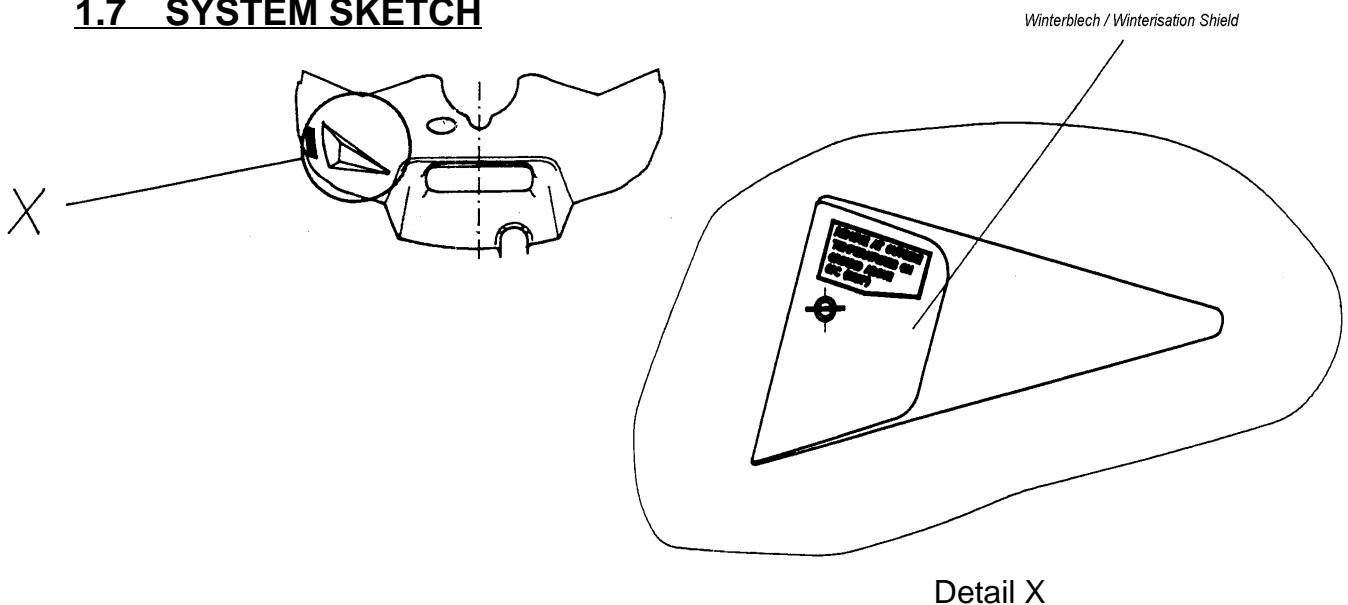
1.6 DESCRIPTIVE DATA

The winterization kit consists of a yellow protective metal plate (winterization shield)
which reduces the cross sectional area of the air intake for the oil cooler. The plate is
attached to the air intake using a camloc.

The winterization shield can easily be installed or removed.

Diamond Aircraft Service Bulletin No. 53 (latest issue) must be carried out to prepare
the powered sailplane for the operation with the winterization kit.

1.7 SYSTEM SKETCH



2. OPERATING LIMITATIONS

2.12 MINIMUM EQUIPMENT LIST

Additional equipment for tow-plane operation with winterization kit

- 1 Winterization shield for the air intake of the oil cooler
- 1 Camloc for the attachment of the winterization shield

2.15 OTHER LIMITATIONS

The winterization shield should only be used when the outside air temperature on the ground is below 15 °C (59 °F). An excessive increase in engine temperatures may otherwise result.

2.16 LIMITATION PLACARDS

Placard	Place	Remark
REMOVE AT OUTSIDE TEMPERATURES ON GROUND ABOVE 15 °C (59 °F)	on the winteriza- tion shield	

3. EMERGENCY PROCEDURES

No change.

4. NORMAL PROCEDURES

4.4 PREFLIGHT INSPECTION

The preflight inspection is supplemented by the following items:

- * Check whether the outside air temperature permits the use of the winterization shield.
- * If operation is permissible, check for improper mounting or looseness.

5. PERFORMANCE

No change.

6. MASS (WEIGHT) AND BALANCE

The mass (weight) of the winterization kit is so small that it can be neglected. Thus there is no change in Chapter 6.

7. POWERED SAILPLANE AND SYSTEMS DESCRIPTION

7.9 POWER PLANT

By using the winterization shield at low outside air temperatures, the oil temperature increases by up to 20 °C (36 °F), compared to operation without winterization shield.

Due to the increased oil temperature, the water condenses out of the oil more easily.

8. POWERED SAILPLANE HANDLING, CARE AND MAINTENANCE

8.2 POWERED SAILPLANE INSPECTION PERIODS

The winterization shield and its attachment are checked during scheduled inspections as part of the normal maintenance routine.