

THE GLIDING FEDERATION OF AUSTRALIA

GFA AD 409
(ISSUE 1)

GFA AIRWORTHINESS DIRECTIVE

TYPE AFFECTED: Dimona H36 up to serial number 36268.

SUBJECT: Inspection and possible replacement of the main pins.

DOCUMENTATION: Hoffmann Aircraft Service Bulletin No 24 and Work Instruction 9 both of which form part of this AD.

ACTION REQUIRED: Before next flight the main pins must be inspected in accordance with Work Instruction No 9. If necessary the pins must be replaced.

WEIGHT AND BALANCE: Not affected.

IMPLEMENTATION: The requirements of this AD must be completed by persons rated "Inspection for issue of Maintenance Release" Dimona H 36.

COMPLIANCE: The requirements of this GFA Airworthiness Directive are mandatory. This Directive is issued pursuant to the Rules and Regulations of the Gliding Federation of Australia.

SIGNED:

CHIEF TECHNICAL OFFICER AIRWORTHINESS

For and on behalf of:

**THE GLIDING FEDERATION
OF AUSTRALIA**

GFA AD 409

ISSUE: 1

12 April, 1994

Page 1 of 3

HOFFMANN AIRCRAFT Ges.m.b.H.
Richard-Neutra-Gasse 5
1210 Wien

S E R V I C E B U L L E T I N N O . 2 4
=====

Affected:

Dimona H-36 all serial-numbers up to serial
no. 36 268.

Subject:

Main bolt

Occasion:

Measurement differences in the main bolt
aerea found out during routine inspections.

Actions:

In accordance with enclosed Work Instruction
no. 9.

Compliance:

Before the next flight.

Weight and balance: Not affected.

Remarks:

All action must be performed by an certified
maintenance engineer and must be entered into
the log book.

Vienna, May 4th 1988

approved by Austrian Civil
Aviation Authorities

17. Mai 1988



Dipl.-Ing.-L. Osvaldik

Approval of installation has been done by best knowledge
and judgement. The original text
in German language is authoritative

GFA AD 409

ISSUE: 1

12 April, 1994

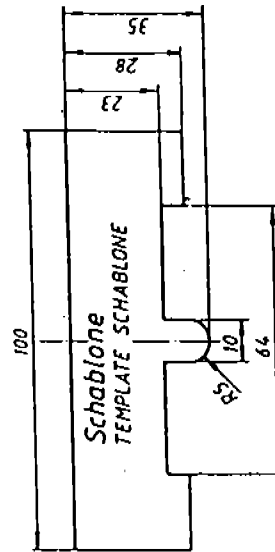
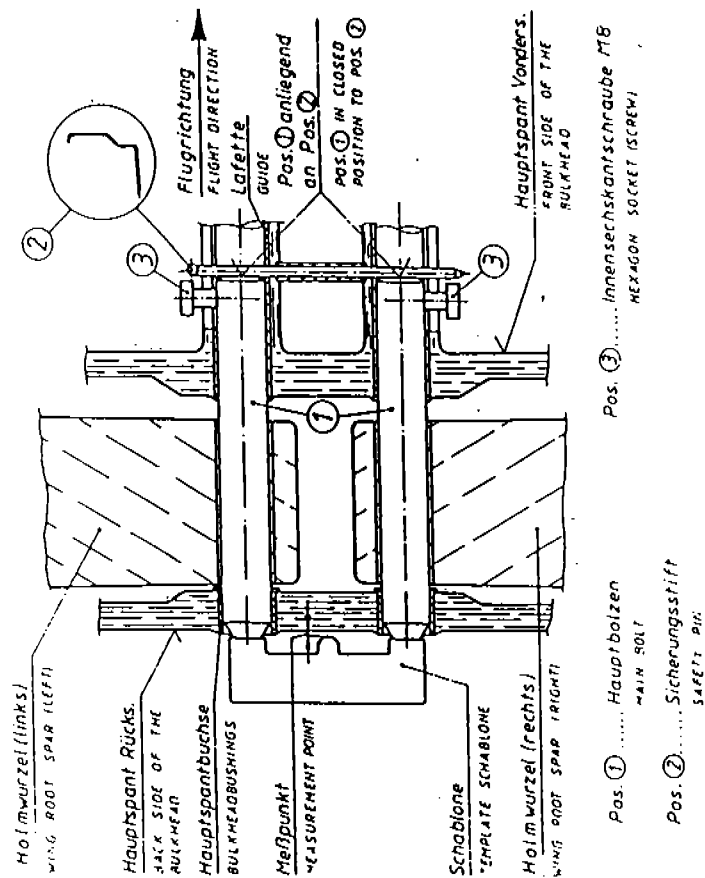
Page 2 of 3

W O R K I N S T R U C T I O N N O . 9
=====

Measurement procedure:

1. Push the main bolt in flight direction up to the wing safety pin
using wing assembling lever.
2. Measure the distances between the main bolt heads and the back side
of main bulkhead using the enclosed template and torch light in
accordance with sketch 1:
3. If the measurement point of template doesn't touch the main bulkhead:
no further actions necessary.
4. In case measurement point of template touches the main bulkhead
(excluded bad surface furnishings) performe the following actions
using the main bolts which will be delivered by the manufacturer:
 - 4.1 Wing disassembling in accordance with airplane flight manual
 - 4.2 Remove the fuel tank
 - 4.3 Remove the main bolt hexagon socket screws (pos. 3) secured by
Loctite cement.
 - 4.4 Remove both main bolts against the flight direction. If necessary
remove slightly the spoiler rod before.
 - 4.5 Compare the diamaters of new with the old main bolts. Tolerance: $\pm 0,0 \text{ mm}$
 $- 0,04 \text{ mm}$
 - 4.6 Check the conglutination of the main bulkhead bushings.
 - 4.7 Clean the main bolts, bulkhead bushings, guides of the main bolts
and hexagon sockets with trichlore.
 - 4.8 Installe the main bolts into the previous position.
 - 4.9 Installe the hexagon sockets into the main bolts using Loctite 648
cement for security (using standard torq 16 Nm).

Skizze 1
SKETCH



4.10 Grease the main bolts and the main bulkhead bushings.

4.11 Check smooth movement of main bolts.

4.12 Push the main bolt against the flight direction until the stop point. Check the distance between the main bolts and the bulkhead bushings in the wing spar tunnel by visual check from the other side.

4.13 If some construction details obstruct above actions - contact the manufacturers.