

HOAC-Austria
Flugzeugwerk Wr. Neustadt
Gesellschaft m.b.H.
N.A. Otto-Straße 5
2700 Wiener Neustadt
AUSTRIA

SERVICE BULLETIN NO. 31

S/N's affected: All H 36 DIMONA S/N's
All H 36 DIMONA Mk II S/N's
All HK 36 SUPER DIMONA S/N's with LIMBACH engine

Subject: Maintenance schedule for SLICK magnetos used in
single ignition systems

Reason: SLICK has found out that single magneto ignition
systems that are not redundant or fail-safe are
critical to flight safety and therefore require
more frequent inspections.

Measures: The inspection of the magneto must be carried out
in accordance with SLICK Service Bulletin 1-89B.
Consult the latest maintenance and overhaul
manual. The specifications for the 4200 series
are valid.
The following pages of the Maintenance Manual
must be replaced and entered on the revisions
page.

H 36 and H 36 Mk II

Replace page 33 with page 33, issue May 11th,
1993

HK 36

Replace page 3.3 with page 3.3, issue May 11th,
1993

Time of compliance: According to SLICK Service Bulletin 1-89 B. Revision B dated Jan. 3rd, 1993, i.e. at the next 50 hour inspection.

Material: Maintenance Manual pages and Slick Service Bulletin enclosed

Mass and CG: Not affected.


Remark: If you have sold your motorglider in the meantime, would you please pass this SB on to the new owner and forward his name, address and aircraft S/N to us.

Wiener Neustadt, May 11th, 1993

BAZ-approved on: May 18th, 1993



Dipl.Ing. Dieter KÖHLER
Technical Manager



Ing. DUNDLER

HOAC	MAINTENANCE CHECKLIST HK 36 Super Dimona	Status: May 11, 1993 Source: SB 31	Sheet		
			2 of 12		
			Hours		
			50	100	500
1.9	Perform Limbach Service Bulletin 13.1 or currently effective edition				0
1.10	Perform compression test on all four cylinders (engine warm, throttle valve open) cyl.1 = cyl.2 = 0 [bar] cyl.3 = cyl.4 = 0 [psi]			0	0
1.11	Check valve clearance (cold), inlet and exhaust valve. Nominal clearance: 0.20 mm (1/128 in)		0	0	0
1.12	Replace cylinder head gaskets, and apply solidifying sealing compound (e.g. Curil)		0	0	0
1.13	Apply a light coat of appropriate lubricant to sparking plug threads, screw in sparking plugs Torque: 25 Nm / 18.4 lbs.ft.		0	0	0
1.14	Check oil temperature and oil pressure pick-ups for leaks, inspect breakers		0	0	0
1.15	Check ignition harness for abrasion, check fastening		0	0	0
1.16	Inspect magneto according to Slick Manual L-1037 (a) External inspection (b) Internal inspection EVERY 250 HOURS		0	0	0 0 250 h
1.17	Check ignition timing			0	0
1.18	Replace air filter insert				0
1.19	Check air filter insert, blow air from inner surface to outer surface		0	0	
1.20	Clean oil cooler ribs, check for damage and leaks		0	0	0
1.21	Check compensator tube between induction pipes for abrasion and leaks		0	0	0
1.22	Clean fuel filter of engine-driven fuel pump. Replace seals.			0	0
1.23	Replace V-belt				0
1.24	Check V-belt tension, tighten if necessary. Secure straining screw		0 0	0 0	0 0

Hoffmann
H 36 DIMONA

Maintenance and
Inspections

A. Powerplant (cont.):	50	100	500
19. Drain fuel, remove finger filter and check for dirt and condition. Look also Pos. 11 and 14 (fuselage)			0
20. Check carburetor membranes.		0	0
21. Check flapper valve play in carburetor throat. If play exceeds 0.8 mm repair by bushing or replace.			0
22. Check oil level in carburetor dome. Add original "Zenith lube oil" if necessary.	0	0	0
23. Check carburetor, choke, heater and air bowden flex cables for ease of movement. Lubricate if necessary with light oil.	0	0	0
24. Check engine mounting bolts and Silent blocks for security, safety, and damage.	0	0	0
25. Check V-wire brace beneath engine for security. If cables are loose, re-tighten.		0	0
26. Check generator belt for security and condition. Replace frayed belt.	0	0	0
27. Check ignition timing (refer to Limbach handbook).		0	0
28. Inspect magneto according to Slick Manual L-1037.			
(a) External inspection	0	0	0
(b) Internal inspection EVERY 250 HOURS			0 250 h
29. Check ignition harness for security, abrasion, and porosity. Replace cracked or damaged harness.	0	0	0
30. Electrical connectors incl. battery: check for security, damage, and corrosion.	0	0	0
31. Clean spark plugs and reset gap (0.4 mm). Replace plugs after 200 <u>Engine hours</u> .	0	0	0
32. Check exhaust system for blowby, cracks, and security.	0	0	0
33. Remove heater shroud and check for cracks, hot spots, corrosion, and damage.			0
34. Check engine case for oil seepage or cracks.		0	0

Date: 11-May-1993
Source: SB 31

SLICK Service Bulletin

SB1-89B

IV. REPLACEMENT

These magnetos should be replaced as necessary when indicated by the above inspections, or at engine TBO.

WARRANTY:

Void if prescribed maintenance schedules are not followed.

CHECK WITH SLICK TO BE SURE YOU HAVE THE MOST CURRENT REVISIONS OF SLICK MANUALS F-1100, L-1037, L-1363, AND PERTINENT SLICK SERVICE BULLETINS BEFORE PERFORMING MAINTENANCE OR OVERHAUL.

ISSUED			REVISED			Slick Aircraft Products Unison Industries 530 Blackhawk Park Avenue Rockford, Illinois, U.S.A. 61104	PAGE NO.	REVISION
MO	DAY	YR	MO	DAY	YEAR		5 OF 5	B
12	10	89	03	01	93	© 1992		