

Amendment List
(log of revisions)

No.	Reference / short title	Page	Date
1.	<u>Technical Note No. 349-7</u> Increase of the max. permitted all-up weight, increase of the max. weight of the non-lifting parts (optional)	11, 19	June 1983
2.	<u>Technical Note No. 349-8</u> Optional installation of a tail wheel (instead of standard skid)	15, 23	October 1986
3.	<u>Technical Note No. 349-14</u> Optional tilt up instrument panel	10A, 19A	Sept. 1987
4.	<u>Technical Note No. 349-12</u> Revisions for Italian Type Approval	12, 33A, 34A	Febr. 1988
5.	<u>Technical Note No. 349-15</u> Nose and c/g tow release mechanism	11, 19	April 1991
6.	<u>Technical Note No. 349-24</u> Inspection program for extending the service time to 12000 hours	30, 30A	October 1998
7.	Supplement of the equipment and instruments	25, 26, 27, 27A, 27B	December 2006

4. Equipment List

A. Safety harnesses

A four-piece symmetrical safety harness is required for the sailplane.

The following restraint system may be used:

Lower Straps

Type	Manufacturer	Data-Sheet No.
Bagu IV-E/2	Gadringer	40.070/16
Bagu V-B/2	Gadringer	40.070/32
Bagu FAG-7F/0	Autoflug	40.070/30
Bagu 5202	Gadringer	40.070/32
4-01-1256	Schroth	40.073/11

Anchorage points:

Lap strap anchorages by the seat pan.

Shoulder straps

Type	Manufacturer	Data-Sheet No.
Schugu II-C	Gadringer	40.071/05
Schugu II-C/V	Gadringer	40.071/05
Schugu FAG-7H/0	Autoflug	40.071/21
Schugu 2700	Gadringer	40.071/05
4-01-1256	Schroth	40.073/11

Anchorage points:

On the tube of the frame in each case at the point where the GRP cover is designed to accommodate them.

B. Instruments and equipment

The following instruments are available for the basic instrumentation of the aircraft (see also section 2.9 of the Flight Manual):

a) Normal Flying

AIRSPEED INDICATOR

(Range: 50 – 300 km/h, 27 – 162 kt, 31 – 186 mph)

Manufacturer: Gebr. Winter, Jungingen

Model	Code No.			Data Sheet No.
	km/h	mph	kt	
6 FMS 4	6421	6422	6423	TS 10.210/15
7 FMS 4	7421	7422	7423	TS 10.210/19
6 FMS 5	6511	6512	6513	TS 10.210/16
7 FMS 5	7511	7512	7513	TS 10.210/20

ALTIMETER

Manufacturer: Gebr. Winter, Jungingen

Model	Code No.		Data-Sheet No.
	m	ft	
4 HM 6	4060	4200	TS 10.220/44
4 FGH 10	4110	4330	TS 10.220/46
4 FGH 20	4220	4440	TS 10.220/47
4 FGH 40		4550	TS 10.220/48

b) Additional equipment

OUTSIDE AIR TEMPERATURE (OAT) INDICATOR

(when flying with water ballast)

Model	Manufacturer	Specif.-No.
Temperature gauge TF 00-59K	Störk	01 59 042
Distance Thermometer Y-LE-TNF /-20 +60	Kobold	01 59 042

VARIOMETER

Manufacturer: Gebr. Winter, Jungingen

Model	Code-No.	Specif.-No.
5 St VL	all code numbers approved	TS 10.230/11
5 St VLM		TS 10.230/12
5 St V		TS 10.230/13
5 St VM		TS 10.230/14

MAGNETIC COMPASS

Model	Manufacturer	Data-Sheet No.
FK 16 C 2300 C 2400	Ludolph Airpath Airpath	L-10.410.3

TURN & BANK INDICATOR with slip ball

Model	Manufacturer	Specif.-No.
WZ 402/31	Apparatebau Gauting	10-241/8
IFR 51-12-2	Instruments and Flight Research Wichita/USA.	TSO C 3 b

VHF-TRANSCEIVERS

The following models are to be used in exchange:

Model	Manufacturer	Data Sheet No.
FSG 40 S	W. Dittel GmbH.	10.911/45
FSG 50	W. Dittel GmbH.	10.911/71
FSG 60	W. Dittel GmbH.	10.911/72
FSG 70	W. Dittel GmbH.	10.911/81
FSG 71 M	W. Dittel GmbH.	10.911/81
FSG 90, 90H1	W. Dittel GmbH.	10.911/98JTS
FSG 2T	W. Dittel GmbH.	10.911/103JTSTO
ATR 720	Avionic Dittel	10.911/70
ATR 720 A	Filser Electronic GmbH.	10.911/74
ATR 720 B	Filser Electronic GmbH.	10.911/80
ATR 720 C	Filser Electronic GmbH.	10.911/83
ATR 500	Filser Electronic GmbH.	O.10.911/113JTSTO
ATR 600	Filser Electronic GmbH.	O.10.911/106JTSTO
ATR 600R01	Filser Electronic GmbH.	O.10.911/115JTSTO
ATR 833	Filser Electronic GmbH.	EASA.210.0193
M760	Microair	CAA LA301068
AR 3201	Becker	10.911/76
AR 3201-()	Becker	10.911/76
AR 4201	Becker	10.911/87

c) Additional equipment

DILUTER DEMAND OXYGEN SYSTEMS

Model	Manufacturer	Code-No.	Data Sheet No.
Höhenatmer HLa 758	Dräger	E 20088	40.110/1
Miniregler	Dräger	E 24902	40.110/19
Miniregler	Dräger	E 24903	40.110/19

EMERGENCY LOCATOR TRANSMITTER

Model	Manufacturer	Data-Sheet No.
EB-2 B (CD)	Mar Tech Division	10.915/2
ELT 10	Narco Avionics	10.915/3
ELT 8.1	Dorne & Margolin Inc.	10.915/5
3000	Pointer	10.915/6
ACK E01	ACK Technologies Inc.	10.915/9

Transponder Mode A/C

Model	Manufacturer	Data-Sheet-No.
ATC 2000-(3)-R(XX) (ATC 3401-1-R, CU 3400-1-(XX), CU 5401-1-(XXX))	Becker	LBA.0.10.930/54 JTSO
ATC 4401 (ATC4401-1-175, ATC4401-2-175, ATC441-1-250, ATC4401-2-250)	Becker	LBA.0.10.930/062 JTSO
T2000	Microair	LBA.10.930/066 JTSO
ACK A-30	ACK Technologies	TSO C-88a

Transponder Mode S

Model	Manufacturer	Data-Sheet-No.
BXP 6401-1-(01)+ BXP 6402-1R-(01) BXP 6401-2-(01)+ BXP 6402-2R-(01) AM 6400-1-(01) Address modul CU 6401-1-(01) Control unit	Becker	EASA.21O.322
BE 6400-01(01) Blind Encoder	Becker	EASA.21O001174
ACK A-30	ACK Techno- logies INC.	TSO C-88a
TRT 600 TRT 800 TRT-800H	Filser	10.930/063 NTS EASA.21O.045 EASA.21O.269
VT-0101 VT-0102-070 VT-01 VT-0102-125 VT-0103-1	Garrecht	EASA.21O.384

Note: concerning the installation of further equipment:

The Luftfahrt-Bundesamt (LBA) will advise with regard to the suitability of equipment not listed herein.

(The installation of oxygen systems must also be approved and their overhaul times are to be observed).