



SERVICE BULLETIN OSB 315-66

I. TECHNICAL DETAILS

1.1 Category:

Optional

1.2 Aircraft affected:

GROB G 103A TWIN II ACRO
GROB G 103C TWIN III ACRO

Serial-No. 3544 – 34078 (with suffix „K“)
Serial-No. 34101 – 34203

1.3 Time of Compliance:

At holders discretion

1.4 Subject:

ATA-Code: 53-00 Fuselage

1.4.1. Installation of stringers in rear fuselage

1.4.2. Cancellation of limitation of operation.

1.5 Reason:

Alert Service Bulletins ASB315-63 and ASB315-63/2 introduced a reduction of speeds for rough air v_B and the maximum flying speed v_{NE} . Aerobatic flights were provisionally prohibited.

Mandatory Service Bulletin MSB 315-65 introduced revised Manual pages for operation in a reduced envelope:

This Service Bulletin OSB 315-66, in combination with Work Instruction OSB 315-66, must be completed to regain the full capability for Aerobatic Flight for GROB G 103A TWIN II ACRO and GROB G 103C TWIN III ACRO. Otherwise the reduced envelope as determined with MSB 315-65 will remain valid.

NOTE: Execution of this Service Bulletin require, that MSB 315-65 be complied with before!

GROB G 103A TWIN II ACRO
GROB G 103C TWIN III ACRO



1.6 Concurrent documents:

Work Instruction OSB 315-66

1.7 Approval Note:

The technical information contained in this document has been approved by the authority (Luftfahrt-Bundesamt).

1.8 Accomplishment/ Instructions:

1.8.1 Completion of all structural modifications and all associated measures in accordance with Work Instruction OSB 315-66.

1.8.2 Exchange of obsolete pages (Flight and Maintenance Manual) by revised pages (attached to this SB).

Flight Manual GROB G 103A TWIN II ACRO	Revision 6, 16.10.03
Flight Manual GROB G 103A TWIN II ACRO Canadian issue	Revision 7, 16.10.03
Flight Manual GROB G 103A TWIN II ACRO FAA issue	Revision 4, 16.10.03
Flight Manual GROB G 103A TWIN II ACRO Italian issue	Revision 4, 16.10.03

Flight Manual GROB G 103C TWIN III ACRO	Revision 6, 16.10.03
Maintenance Manual GROB G 103C TWIN III ACRO	Revision 6, 16.10.03

1.8.3 The following placard (attached near to the front/rear airspeed indicator) is to be removed.



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1.8.4 G 103A TWIN II ACRO:

Apply the following limitation placard over the existing placard on the front and rear RH cockpit side wall

Maximum Flying Weight	580 kp	1280 lbs		
Maximum airspeeds		km/h	fts	mph
In calm air:	V_{NE}	250	135	155
In rough Air:	V_{RA}	180	97	115
Aerotow:	V_T	170	92	105,5
Winch/ Automobile tow:	V_W	120	65	74,5
Airbrakes extended:	V_{FE}	250	135	155
Manoeuvring speed:	V_A	180	97	115

1.8.4 G 103C TWIN III ACRO:

Apply the following limitation placard over the existing placard on the front and rear RH cockpit side wall:

Maximum Flying Weight	600 kp	1323 lbs		
Maximum airspeeds		km/h	fts	mph
In calm air:	V_{NE}	280	151	174
In Rough Air:	V_{RA}	200	108	124
Aerotow:	V_T	185	100	115
Winch/ Automobile tow:	V_W	140	76	87
Airbrakes extended:	V_{FE}	280	151	174
Manoeuvring speed:	V_A	185	100	115

1.9 Repetitive Actions:

None

1.10 Mass (Weight) and CG:

Following the structural modification in accordance with Work Instruction OSB 315-66 a Weight and Balance report is to be completed. The CG must be within limits. The W&B Report is to be added to the Flight Manual and the Aircraft History Record.

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II. PLANNING INFORMATION

2.1 Material & Availability:

The material required for the modification in accordance with Work Instruction 315-66 may be ordered with the attached Purchase Order.

2.2 Special Tools:

N/A

2.3 Labour costs:

approximately 30 hrs.

2.4 Reference documents:

N/A

2.5 Credit:

N/A

III. REMARKS

- 3.1 The correct execution of the instructions may be performed by an authorised aviation workshop and has to be certified in the logbook by an authorised inspector.
- 3.2 If you have sold your aircraft in the meantime, would you kindly pass this information on to the new owner and forward his address and aircraft S/N to us..
- 3.3 For questions and assistance please contact:

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Approved by EASA under Approval

No...1415.....on...02.12.03...(date)

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