

The Service Bulletin TM 1078-27/2 substitutes the Service Bulletin TM 1078-27, dated 16.02.93.

Subject: Modification of the G 115/ G 115 A to the G 115 B standard

Concerned: G 115, S/N 8008 - 8088
G 115 A, S/N 8090 - 8109

Urgency: optional

Procedure: During an amended type certification, the installation of the AVCO LYCOMING O-320 160 HP engine has been approved, which improves the aircrafts performance data noticeably. Included in the comprehensive flight test program demonstration of the advanced noise protection requirements has been accomplished.
With slight structural reinforcing to the fuselage and wings, an increase of the maximum takeoff weight is achieved (up to 920 kg/2028 lbs for NORMAL category, 850 kg/1874 lbs for UTILITY category).
Finally this modification of the G 115/ G 115 A to the G 115 B is offered to all G 115 customers.

Action: The modification to the G 115 B series includes the following main modifications:

- Installation of the AVCO LYCOMING O-320-D2A engine (optional O-320-D1A or O-320-D3G)
- Installation of SENSENICH 74 DM6S5-2-64 propeller
- Reinforcing of the fuselage and wing structure
- Enlarged fuel tank installation
- Improved aileron control installation

In addition, combined with these modifications, the following modifications (Service Bulletins) must be performed (if not already performed optionally):

- TM 1078-6 : Approval of installation of a primer system
- TM 1078-9/2 : Extension of operation limits up to spinning *
(Note: Action 3 of this Service Bulletin is not applicable)
- TM 1078-9/4 : Approved installation of a new pitot static system *
- TM 1078-13 : Modification of the main landing gear
- TM 1078-19 : Permitted modification of the nose landing gear
- TM 1078-20 : Installation of a rudder trim plate
- TM 1078-21 : Installation of maintenance - free fuel lines
- TM 1078-23 : Installation of an additional rudder stop
- TM 1078-28 : Modification of the wing flap hinges **

or optional

TM 1078-24 : Inspection of the flap hinges **
(exchange of the hinges according to Repair Instructions No. 1078-24 is mandatory)

* already included in G 115 A series

** only for G 115 A



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GROB
G 115

- Material:** After modification a new Flight Manual and Maintenance Manual for the G 115 B, Issue August 1992, will be supplied.
- Weight and Balance:** After modification the empty weight and the new center of gravity will be determined.
- Remarks:**
1. The modification will be performed by GROB. After modification a respective "Inspection Certificate" will be issued.
 2. If you have sold your aircraft in the meantime, would you kindly pass this information on to the new owner and forward his name and address and aircraft S/N to us.

Mattsies, 21 April 1993

LBA approved:

This Service Bulletin is originally written in German and approved by the German LBA on the 23 April 1993. The translation has been accomplished to the best of our knowledge and judgement. In case of doubt, the German original is authoritative.

Dipl. Ing. J. Altmann
(Airworthiness engineer
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DATUM / DATE
21.04.93

ERSETZT AUSGABE / ISSUE EDITION
16.02.93

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