



## Airworthiness Directive

**AD No.:** 2016-0228

**Issued:** 14 November 2016

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) 216/2008 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.

This AD is issued in accordance with Regulation (EU) 748/2012, Part 21.A.3B. In accordance with Regulation (EU) 1321/2014 Annex I, Part M.A.301, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that AD, unless otherwise specified by the Agency [Regulation (EU) 1321/2014 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [Regulation (EC) 216/2008, Article 14(4) exemption].

**Design Approval Holder's Name:**

GROB AIRCRAFT AG

**Type/Model designation(s):**

Grob G 109 and Grob 109B powered sailplanes

**Effective Date:** 28 November 2016

**TCDS Number(s):** LBA Kennblatt 817

**Foreign AD:** Not applicable

**Supersedure:** None

### ATA 32 – Landing Gear – Tail Wheel Mounting Bracket – Inspection / Repair

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**Manufacturer(s):**

Burkhart Grob Luft und Raumfahrt GmbH & Co. KG, Grob-Werke GmbH & Co.KG.

**Applicability:**

Grob G 109 and Grob G109B powered sailplanes, all manufacturer serial numbers.

**Reason:**

Occurrences were reported of broken pivots of the tail wheel mounting bracket. Subsequent investigation attributed these events to corrosion and damage due to wear.

This condition, if not detected and corrected, could lead to loss of rudder control, resulting in reduced control of the powered sailplane.

To address this potentially unsafe condition, Grob Aircraft AG issued Mandatory Service Bulletin (MSB) 817-70 (hereafter referred to as 'the MSB' in this AD) to provide inspection and repair instructions.

For the reasons described above, this AD requires repetitive inspections of the tail wheel mounting bracket and, depending on findings, accomplishment of applicable corrective action(s).



**Required Actions and Compliance Times:**

Required as indicated, unless accomplished previously:

- (1) Within 3 months or 100 flight hours (FH), or during the next annual inspection, whichever occurs first after the effective date of this AD, and, thereafter, at intervals not to exceed 100 FH, or during each annual inspection, whichever occurs first, inspect the tail wheel mounting bracket in accordance with the instructions of the MSB.
- (2) If, during any inspection as required paragraph (1) of this AD, any damage is detected, as defined in the MSB, before next flight, accomplish a repair in accordance with the instructions of the MSB.
- (3) Accomplishment of a repair on a powered sailplane, as required by paragraph (2) of this AD, does not constitute terminating action for the repetitive inspections as required by paragraph (1) of this AD for that powered sailplane.

**Ref. Publications:**

Grob Aircraft AG MSB 817-70 original issue dated 16 September 2016.

The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.

**Remarks:**

1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.
2. This AD was posted on 14 October 2016 as PAD 16-147 for consultation until 11 November 2016. No comments were received during the consultation period.
3. Enquiries regarding this AD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu).
4. For any question concerning the technical content of the requirements in this AD, please contact:  
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