



BMAA Defect Alert #0067 ISSUE 2: P&M Aviation Ltd SB146 - Hang Bolt Lanyard Swage

UPDATED: 23/02/2017

This service bulletin is now the subject of an Emergency MPD (2017-003-E) please find the direct link below:

EMPD 2017-003-E

Hang Bolt plus Lanyard – Inspection / Replacement

<http://publicapps.caa.co.uk/docs/33/20170221MPD2017003E.pdf>

The MPD references the P&M Aviation Ltd Service Bulletin 146 issue 1.

Inspection before further flight

See the SB for full details, a copy of which follows this defect note.

If you have any questions, please contact the BMAA or P&M Aviation.

Kind regards,
Rob

Rob Mott
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British Microlight Aircraft Association
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ref SB146 hang bolt lanyard

SERVICE BULLETIN NUMBER 146, issue 1.

TITLE Hang Bolt Lanyard
CLASSIFICATION P&M Aviation have classified this service bulletin essential.
COMPLIANCE Inspection before further flight.
APPLICABILITY Hang bolt lanyard part YQB-31302, batch numbers A9835, A9868, A9880 supplied between 20/6/16 and 05/01/17 for the aircraft types below:

- BM44** Pegasus Quasar 2 TC
- BM46** Pegasus Quantum 15 (Rotax 2-stroke engines)
- BM50** Pegasus Quantum 15-912
- BM56** Pegasus Quantum 15-HKS
- BM66** Pegasus Quik
- BM70** Quik GT450
- BM77** QuikR
- BM80** Quik GTR
- BM81** PulsR

1) INTRODUCTION

A hang bolt lanyard was found to be under-swaged which allowed it to detach at a low load. The lanyard is essential to stop the hang bolt pinch nut from slackening off.

Production procedures have been changed in the factory to prevent this problem recurring.

2) ACTION

The affected batches have the part and batch number written on it.

Contact the factory for a replacement, the original should be returned to the factory.

3) Documentation

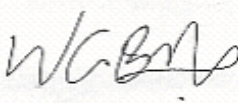
The aircraft technical log must be signed " Service bulletin SB146 (hang bolt lanyardcheck) carried out" by a qualified inspector and/or an owner/operator.


4) Continued Airworthiness

At each permit revalidation, the inspector must check that there are no hang bolt lanyards of the affected batches fitted.

ISSUED BY W.G.Brooks

DATE

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| Approved |  | Date 06/01/17 |
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| Checked |  | Date 06/01/17 |
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EMERGENCY MANDATORY PERMIT DIRECTIVE



Number: 2017-003-E

Issue date: 21 February 2017

In accordance with Article 41(1) of The Air Navigation Order 2016, as amended, the following action required by this Mandatory Permit Directive (MPD) is mandatory for applicable aircraft registered in the United Kingdom operating on a UK CAA Permit to Fly.

| | |
|---|---|
| Type Approval Holder's Name: P&M Aviation Ltd | Type/Model Designation(s): Various, see below |
| Title: | Hang Bolt plus Lanyard – Inspection / Replacement |
| Manufacturer: | P&M Aviation Ltd |
| Applicability: | <p>All Microlights of the following types where P & M Aviation Ltd are the Type Approval Holder:</p> <p>TADS No. Aircraft Type</p> <ul style="list-style-type: none">BM44 Pegasus Quasar 2 TCBM46 Pegasus Quantum 15 (Rotax 2-stroke engines)BM50 Pegasus Quantum 15-912BM56 Pegasus Quantum 15-HKSBM66 Pegasus QuikBM70 Quik GT450BM77 QuikRBM80 Quik GTRBM81 PulsR |
| Reason: | <p>The lanyard on a hang bolt plus lanyard component was found to be under swaged which allowed it to detach at a low load. The lanyard is essential to stop the hang bolt pinch nut from slackening off. Should the pinch nut fall off there would not be anything to prevent the hang bolt from potentially migrating out of its housing and the wing would then detach.</p> <p>This problem was identified as a manufacturing deficiency of part number YQB-31302 and affected three batches of the component: A9835, A9868 and A9880.</p> |
| Effective Date: | 21 February 2017 |

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|--|---|
| Compliance/Action: | <p>Compliance is required as follows, unless previously accomplished:</p> <ol style="list-style-type: none"> 1. Before further flight, inspect the hang bolt plus lanyard, part number YQB-31302. If the lanyard is from batch number A9835, A9868 or A9880, before further flight, remove the hang bolt plus lanyard from the aircraft and return to P & M Aviation Ltd for replacement. Note: The hang bolt plus lanyard part number and batch number are marked on the sleeve shrunk on to the lanyard. 2. Record the inspection from paragraph 1 and any necessary rectification action in the aircraft technical log in accordance with paragraph 3 of P & M Aviation Ltd Service Bulletin 146. 3. Repeat the actions in paragraphs 1 and 2 at each Permit to Fly revalidation. |
| ENSURE COMPLIANCE WITH THIS MPD IS RECORDED IN THE AIRCRAFT LOGBOOK | |
| Reference Publications: | P & M Aviation Ltd Service Bulletin Number 146 Issue 1 dated 6 January 2017 |
| Remarks: | <ol style="list-style-type: none"> 1. This MPD was not posted for consultation because of the urgency of the requirement. 2. Enquiries regarding this Mandatory Permit Directive should be referred to: GA Unit, Civil Aviation Authority, Safety and Airspace Regulation Group, Aviation House, Gatwick Airport South, West Sussex, RH6 0YR. Tel: +44 (0)1293 573988 E-mail: ga@caa.co.uk |