



Civil Aviation Authority

# EMERGENCY MANDATORY PERMIT DIRECTIVE



Number: 2017-003-E

Issue date: 21 February 2017

<b>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.</b>	
Type Approval Holder's Name: <b>P&amp;M Aviation Ltd</b>	Type/Model Designation(s): <b>Various, see below</b>
<b>Title:</b>	<b>Hang Bolt plus Lanyard – Inspection / Replacement</b>
<b>Manufacturer:</b>	P&M Aviation Ltd
<b>Applicability:</b>	All Microlights of the following types where P & M Aviation Ltd are the Type Approval Holder:  TADS No. Aircraft Type  <b>BM44</b> Pegasus Quasar 2 TC <b>BM46</b> Pegasus Quantum 15 (Rotax 2-stroke engines) <b>BM50</b> Pegasus Quantum 15-912 <b>BM56</b> Pegasus Quantum 15-HKS <b>BM66</b> Pegasus Quik <b>BM70</b> Quik GT450 <b>BM77</b> QuikR <b>BM80</b> Quik GTR <b>BM81</b> PulsR
<b>Reason:</b>	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.  This problem was identified as a manufacturing deficiency of part number YQB-31302 and affected three batches of the component: A9835, A9868 and A9880.
<b>Effective Date:</b>	21 February 2017

<b>Compliance/Action:</b>	<p>Compliance is required as follows, unless previously accomplished:</p> <ol style="list-style-type: none"> <li>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 &amp; 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.</li> <li>2. Record the inspection from paragraph 1 and any necessary rectification action in the aircraft technical log in accordance with paragraph 3 of P &amp; M Aviation Ltd Service Bulletin 146.</li> <li>3. Repeat the actions in paragraphs 1 and 2 at each Permit to Fly revalidation.</li> </ol>
<b>ENSURE COMPLIANCE WITH THIS MPD IS RECORDED IN THE AIRCRAFT LOGBOOK</b>	
<b>Reference Publications:</b>	P & M Aviation Ltd Service Bulletin Number 146 Issue 1 dated 6 January 2017
<b>Remarks:</b>	<ol style="list-style-type: none"> <li>1. This MPD was not posted for consultation because of the urgency of the requirement.</li> <li>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: <a href="mailto:ga@caa.co.uk">ga@caa.co.uk</a></li> </ol>