



**United Kingdom
Civil Aviation Authority**

MPD No: 2010-007

Issue Date: 6 September 2010

MANDATORY PERMIT DIRECTIVE

In accordance with Article 22(1) of the Air Navigation Order 2009 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.

MPD: 2010-007 SAVANNAH

Subject: UK Savannah anti-balance tab operating mechanism (bungee pitch trim)

Applicability: UK Savannah aircraft fitted with bungee pitch trim (Mandatory Modification 12).

Reason: A UK Savannah aircraft fitted with the bungee pitch trimmer (Mandatory Modification 12) suffered a double, in-flight, anti-balance tab failure leaving both anti-balance tabs free to flap in the slipstream. The aircraft remained controllable and a safe landing was made. The root cause of the problem is believed to be the anti-balance tab operating mechanism. The design of the mechanism is such that at full up elevator the anti-balance tab gearing becomes infinite and therefore prone to being strained.

BMAA Service Bulletin 2283 issue 1 is introduced to manage the problem until a BMAA approved modification to eliminate the problem is installed. BMAA Service Bulletin 2283 issue 1 introduces a pre-flight inspection schedule; a preliminary modification to replace the plastic rod-ends in the anti-balance tab operating mechanism with metal rod-ends, and a deadline of 31 December 2011 to eliminate the problem by installing a BMAA approved modification.

Compliance:

1. Before each flight carefully inspect the anti-balance tab operating mechanism (in accordance with BMAA Service Bulletin 2283 issue 1). This inspection regime must be commenced within one month of the effective date of this MPD.
2. Within 3 months of the effective date of this MPD replace the plastic rod-ends in the anti-balance tab operating mechanism with metal rod-ends (in accordance with BMAA Service Bulletin 2283 issue 1).
3. Before 31 December 2011 install a BMAA approved modification to eliminate the problem (in accordance with BMAA Service Bulletin 2283 issue 1).

Ensure compliance with this MPD is recorded in the aircraft logbook.

Effective Date: 13 September 2010

1. This MPD was published on 13 August 2010 as PMPD 10-07 for consultation until 3 September 2010.
2. Enquiries regarding this MPD should be referred to Aircraft Certification Department, Civil Aviation Authority, Safety Regulation Group, Aviation House, Gatwick Airport South, West Sussex, RH6 0YR, United Kingdom.
Tel: +44 (0)1293 573726 Fax: +44 (0)1293 573996 Email: department.certification@caa.co.uk