



MANDATORY PERMIT DIRECTIVE

In accordance with Article 11(6)(a) of the Air Navigation Order 2005 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: 2007-002 BRITISH AEROSPACE

Subject: Port and Starboard mainplane spar upper attachment lugs cracking.

Applicability: All British Aerospace Jet Provost and Strikemaster aeroplanes.

Reason: Over a number of years, cracking has occurred in the mainplane spar upper attachment lug in the outer surface and also from the bore of the lug. BAe CSI/JET PROVOST/46 Issue 3 was mandated by MPD 1995-107 (extension of applicability to all Jet Provosts being promulgated under Revision 2, following a review at BAe). BAe CSI/Strikemaster/50 Issue 3 was mandated by MPD 1995-109 R1 previously on Strikemaster aircraft.

Following a recent accident due to wing structural failure, a review of the above CSIs has been conducted and it has been determined that they do not necessarily find cracking if it takes place from the inner surface of the lug where any crack may be obscured by the bush. Repeated removal of the bush is not advisable as it may introduce damage to the lug bore.

The consequence of failure of the lug is loss of the aircraft. This MPD is to restrict Strikemaster and Jet Provost operations to 'non-aerobatic', so reducing the rate of fatigue damage accumulation and reducing the possibility of severe downward bending loads, which are suspected to be the main contributor to the failure.

This MPD may be alleviated or revised when the CAA are satisfied that alternative methods of crack detection have been determined and defined.

Compliance: Before further flight, insert a placard within plain view of the pilots stating:

“Aerobatics are prohibited”.

Insert a similar page in the Aircraft Manual, referring also to this MPD.

Record compliance with this MPD in the aircraft log book.

This MPD becomes effective on 10 March 2007.