



MANDATORY PERMIT DIRECTIVE

Number: 2011-010

Issue date: 16 December 2011



In accordance with 22(1) of 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.

Type Approval Holder's Name: Nanchang Aircraft Manufacturing Company (NAMC)	Type/Model Designation(s): NAMC CJ-6A
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Title:	Tailplane Forward Spar - Inspection
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Manufacturer:	Nanchang Aircraft Manufacturing Company (NAMC)
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Applicability:	NAMC CJ-6A
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Reason:	<p>While carrying out a recent fleet review of the type, the CAA has identified reported instances of cracking in the central section of the forward spar of the tailplane on the worldwide Nanchang CJ-6A fleet. We have also seen examples of strengthening of the tailplane on aircraft imported into the UK, indicating an earlier problem in military service.</p> <p>Extended cracking of the forward spar could lead to an unsafe condition in flight. This MPD is therefore raised to ensure that a precautionary routine check of the tailplane forward spar is incorporated into the maintenance schedule for all aircraft of this type, irrespective of the modification standard of the tailplane.</p>
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Effective Date:	23 December 2011
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Compliance/Action:	<p>Compliance with this MPD is required within 25 flying hours or 6 months of the effective date of this MPD, whichever limit is reached first, unless the intent of this inspection has already been accomplished, and the repeat inspection specified is already built into the maintenance schedule for the aircraft.</p> <p>Gain access to the region of the central section of the tailplane forward spar between the fuselage attachment points.</p>
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<p>Compliance/Action Cont:</p>	<p>For aircraft with no reinforcement of the tailplane forward spar:</p> <ol style="list-style-type: none"> 1) Carry out a visual inspection of the full depth of the spar along the length of the exposed central section. Examine the edge of the elevator cable cut-out using a minimum of a x10 magnification. A tailplane which exhibits any crack indication along the exposed length may not continue in service until an approved reinforcing modification is carried out on the forward spar. 2) If no cracking is identified, refit fairing(s) and return aircraft to service. <p>Thereafter, at intervals not exceeding 50 hours, carry out a repeat inspection of the tailplane forward spar in accordance with the above.</p> <p>For aircraft with a reinforced tailplane forward spar:</p> <ol style="list-style-type: none"> 1) Carry out a visual inspection of the reinforcing plate for any cracking. 2) Carry out an inspection of the visible section of the original spar to ensure no crack propagation has occurred beyond any terminated indication originally present. Use a minimum of a x10 magnification. Reject from service any tailplane which exhibits cracking beyond crack stopping prior to reinforcement in the original spar, or which exhibits any evidence of cracking subsequent to reinforcement. 3) If no further cracking is identified, refit fairing(s) and return aircraft to service. <p>Thereafter, at intervals not exceeding 50 hours, carry out a repeat inspection of the tailplane forward spar in accordance with the above.</p> <p>Report any instances of cracking to the CAA, at the contact details below.</p>				
<p>ENSURE COMPLIANCE WITH THIS MPD IS RECORDED IN THE AIRCRAFT LOGBOOK</p>					
<p>Reference Publications:</p>	<p>None</p>				
<p>Remarks:</p>	<ol style="list-style-type: none"> 1. This MPD was posted on 13 October 2011 as PMPD 11-02 for consultation until 12 November 2011. 2. Enquiries regarding this Mandatory Permit Directive should be referred to: Airworthiness Evaluation and Surveillance, Civil Aviation Authority, Safety Regulation Group, Aviation House, Gatwick Airport South, West Sussex RH6 0YR. <table border="1" data-bbox="504 1854 1460 1960"> <tr> <td data-bbox="504 1854 1023 1910">Tel: +44 (0)1293 573074</td> <td data-bbox="1023 1854 1460 1910">Fax: +44 (0)1293 573976</td> </tr> <tr> <td colspan="2" data-bbox="504 1910 1460 1960">E-mail: department.certification@caa.co.uk</td> </tr> </table>	Tel: +44 (0)1293 573074	Fax: +44 (0)1293 573976	E-mail: department.certification@caa.co.uk	
Tel: +44 (0)1293 573074	Fax: +44 (0)1293 573976				
E-mail: department.certification@caa.co.uk					