



Civil Aviation Authority

EMERGENCY MANDATORY PERMIT DIRECTIVE



Number: 2013-002-E

Issue date: 30 April 2013

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:

Cal Pacific Airmotive Inc.

Type/Model Designation(s):

North American P-51 Mustang

Title:

Inspection of Flight Control System

Manufacturer:

North American Aviation

Applicability:

North American P-51B, P-51C, P-51D, P-51K, F-51D, F-51K

Reason:

A North American Aviation (NAA) P-51 aircraft experienced failure of the elevator trim tab and loss of control of the aircraft. Contributing factors were worn fiber lock spline nuts at the elevator trim tab hinge attachment fittings and the installation of non-structural screws and hardware.

Failure to comply could cause trim tab failure and consequent loss of control of the aircraft.

Effective Date:

1 May 2013

Compliance/Action:

Within 20 hours of operation or 1 May 2013 whichever is later, and at each 100 hours of operation, or 12 months whichever occurs first, carry out the requirements, as necessary, of Cal Pacific Airmotive Inc. SB P51-001.

ENSURE COMPLIANCE WITH THIS MPD IS RECORDED IN THE AIRCRAFT LOGBOOK

Reference Publications:	<p>Cal Pacific Airmotive Inc. S.B. No. P51-001 Dated May 01 2013 “Inspection of Flight Control System”.</p> <p>Cal Pacific Airmotive Inc. S.B. No. P51-001 “Inspection of Flight Control System” Supplement No.1 Dated May 01 2013</p> <p>AN 01-60-3 Structural Repair Instructions for Airplanes A-36A, P-51, A, B, C, D, K and M, F-6B, C, D and K, and TF-51D Revised March 15, 1952.</p> <p>NA-5913 P-51B and C Maintenance Manual dated July 31, 1944.</p> <p>01-60JD-4 Parts Catalog P-51B and C dated March 1, 1944.</p> <p>AN 01-60JE-2 Handbook Maintenance Instructions USAF Series F-51D, ZF-51K, F-51M, TF-51D revised December 20, 1952 (also reference for P-51D through P-51K).</p> <p>AN 01-60JE-4 Parts Catalog USAF Series F-51D, TF-51D and F-51K Aircraft revised May 15, 1953 (also reference for P-51D through P-51K).</p>		
Remarks:	<p>[1]. This MPD was posted on 26 March 2013 as PMPD 13-01 for consultation until 15 April 2013.</p> <p>[2]. North American Aviation Maintenance Manual AN 01-60-JE2 figure 90 contains an error. Spline nut 22D8-02 & 22ND8-02 are a 10-32 thread as stated on page 2 of the service bulletin. Figure 90 on Service Bulletin page 7 (from North American Aviation Maintenance handbook AN 01-60-JE2) incorrectly shows the installing screws to fitting #73-22007 to be a NAS220-9 & NAS220-11, which is an 8-32 thread. NAA parts books 01-60JD-4 and AN 01-60JE-4 show the proper screw #NAS221 series and 7S2-1032 series which is a 10-32 thread. P-51B & C maintenance manual NA-5913 is also correct. Please be sure to install 10-32 screws. Cal Pacific Airmotive will be issuing a correction for the NAA Service manual AN 01-60-JE2.</p> <p>[3]. A copy of the Service Bulletin and the associated Supplement may be obtained from Cal Pacific Airmotive Inc. At URL: http://www.calpacificairmotive.com/</p> <p>[4]. Enquiries regarding this Mandatory Permit Directive should be referred to: Michael Poole, Civil Aviation Authority, Safety Regulation Group, Aviation House, Gatwick Airport South, West Sussex RH6 0YR.</p>		
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