



MANDATORY PERMIT DIRECTIVE

Number: 1997-003 R2

Issue date: 28 April 2014



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: N/A	Type/Model Designation(s): Rotorway Executive and Rotorway Executive (Modified) helicopters														
Revision:	This MPD Revises 1997-003 R1 dated 28 November 2008														
Title:	Mandatory Requirements for UK Approval														
Manufacturer:	Rotorway International														
Applicability:	Rotorway Executive and Rotorway Executive (Modified) helicopters														
Reason:	<p>The purpose of this MPD is to define the modifications and inspections required on Rotorway Executive and Rotorway Executive (Modified) Helicopters for acceptance onto the UK register and to ensure continued airworthiness of the helicopter.</p> <p>This MPD has been revised to reflect changes to Rotorway International Bulletins.</p>														
Effective Date:	06 May 2014 Revision 1: 05 December 2003 Original Issue: 20 January 1997														
Compliance/Action:	<p>From the effective date of this MPD, the CAA considers compliance with the bulletins specified below mandatory. Prior to the issue or the revalidation of a Permit to Fly, it must be established and certified that the following bulletins issued by Rotorway International have been complied with. Any repetitive inspection requirements must be incorporated into the applicable maintenance schedule for the helicopter.</p> <table border="0" data-bbox="518 1668 1460 2027"> <tr> <td style="vertical-align: top;">Part A</td> <td style="vertical-align: top;">Bulletins issued by Rotorway Executive Incorporated (pre-1990)</td> </tr> <tr> <td colspan="2"><i>Bulletin Number Description</i></td> </tr> <tr> <td>85-09</td> <td>Main Drive Chain repeat inspection. (See Note 1).</td> </tr> <tr> <td>86-02</td> <td>Main Drive Chain life. (See Note 1).</td> </tr> <tr> <td>87-01</td> <td>Modification to mounting of flying controls.</td> </tr> <tr> <td>88-03</td> <td>Minimum Alternator capacity requirement.</td> </tr> <tr> <td>88-04</td> <td>Landing gear inspection and life limit.</td> </tr> </table>	Part A	Bulletins issued by Rotorway Executive Incorporated (pre-1990)	<i>Bulletin Number Description</i>		85-09	Main Drive Chain repeat inspection. (See Note 1).	86-02	Main Drive Chain life. (See Note 1).	87-01	Modification to mounting of flying controls.	88-03	Minimum Alternator capacity requirement.	88-04	Landing gear inspection and life limit.
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Compliance/Action Cont:	88-05	Vertical Fin Attachment Bracket and Bolt replacement.
	88-07	Dellorto Carburettor Modification.
	88-11	Safety Retainer.
	89-01	Rotor Barrel Part Number E17-6100. (See Note 2).
	Part B	Bulletins issued by Rotorway Executive International
	<i>Bulletin Number</i>	<i>Description</i>
	A-02	Replacement Airframe tubes to improve structural integrity.
	A-05	Installation of replacement Tail Boom attachment brackets.
	A-06	Replacement Main Rotor Shaft.
	A-07	Installation of Electronic Ignition System.
	A-08	Introduction of capacitance type fuel system.
	A-09	Valve Train Inspection.
	A-11	Main Sprocket attachment bolts replacement/inspection.
	A-12	'Gates' Tail rotor belts.
	A-13	Maintenance Instructions for lubrication of bearings.
	A-14	Re-torque requirements for cylinder head bolts.
	A-15	Main Rotor blade checks.
	A-16	Prevention of Electrolytic corrosion in ignition systems.
	A-18	Valve Train Inspections. (See Note 3)
	A-19	Main Rotor blade modification.
	A-20	Tail Rotor Belt Tension.
	A-21	Simplified method for checking tail rotor belt tension. (See Note 4)
	A-23	Inspection and monitoring of Secondary Drive Unit.
	A-25	Tail Rotor Belt Tension (Cold Weather).
	A-26	Secondary Bearing Unit Upgrade and keyway inspection. (See Note 5)
	A-27	Component Lives.
	A-28	Replacement of Elastomeric bearings.
	A-29	Advice in respect of installing radio and avionic equipment.
	A-30	Engine cam gear life. (Aluminium cam gear standard only).
	A-31	Throttle cable modification.
	A-36	Inspection of tail rotor drive belt routing.
	A-43	Inspection of secondary drive assembly.
	Note 1:	Applies to chain part number E22-1330 only. For other chain part numbers comply with current manufacturers life limits.
	Note 2:	Where difficulty is experienced in balancing the tail rotor in the vertical plane, the rotor barrel must be replaced to avoid early fatigue failure.

	<p>Note 3: The effectivity of this bulletin is stated as for the Executive 90 only. It has been confirmed by the manufacturer that it is equally applicable to the Executive helicopters.</p> <p>Note 4. See also MPD No. 1995-094 R1.</p> <p>Note 5: CAA regard the keyway inspection only as Mandatory. The replacement secondary bearing unit should be carried out if the regular monitoring (post flight) indicates that an over temperature situation has occurred with the three bearing installations.</p>
ENSURE COMPLIANCE WITH THIS MPD IS RECORDED IN THE AIRCRAFT LOGBOOK	
Reference Publications:	<p>Rotorway International Bulletins listed under 'Compliance/Action', available from Rotorway International's website. http://www.rotorway.com/serv_bulletins.html</p>
Remarks:	<ol style="list-style-type: none"> 1. The CAA has decided to issue this MPD with a request for comments, postponing the public consultation process until after publication. 2. Enquiries regarding this Mandatory Permit Directive should be referred to: Aircraft Certification, Civil Aviation Authority, Safety and Airspace Regulation Group, Aviation House, Gatwick Airport South, West Sussex RH6 0YR. <p>Tel: +44 (0) 1293 573541 Email: angela.bines@caa.co.uk</p>