



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 helicopters
Supersedure:	This MPD supersedes MPDs 1997-005 and 1997-006
Title:	Engine Cam Gear Life/Replacement
Manufacturer:	Rotorway International
Applicability:	Rotorway International Rotorway Executive, Executive 90, and Executive 162F helicopters
Reason:	<p>The CAA issued MPDs 1997-005 and 1997-006 to introduce life limits for the cam gear in the engine following a number of failures of the aluminium standard of gear in service. Failure of the cam gear results in engine failure.</p> <p>Starting with engine number 6353, the cam gear in the engine has been made from steel. Based on satisfactory service experience, Rotorway International has raised the replacement time of the steel timing gears, as detailed in Rotorway International Cam Gear Service Letter dated 16 June 2005.</p> <p>This new MPD has been issued following the publication of this Service Letter, which amended the life limits of the engine cam gear and to include all applicable models in one MPD.</p>
Effective Date:	06 May 2014
Compliance/Action:	<p>With effect from the date of this MPD the life of the aluminium engine cam gear (Part No. A24-1502) is limited to 250 flight hours or the next Permit renewal, whichever is sooner.</p> <p>If Rotorway kit No. A24-1510 is installed, or any further improved Rotorway replacement steel cam gear is fitted, then owners may revert to the manufacturer's replacement interval, as specified by the maintenance manual or by Service Bulletin.</p>

ENSURE COMPLIANCE WITH THIS MPD IS RECORDED IN THE AIRCRAFT LOGBOOK

Reference Publications:	Rotorway International Cam Gear Service Letter dated 16 June 2005, available from Rotorway International's website. http://www.rotorway.com/serv_bulletins.html
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. Tel: +44 (0) 1293 573541 Email: angela.bines@caa.co.uk