


EASA	PROPOSED AIRWORTHINESS DIRECTIVE	
	PAD No.: 06 - 166	
	Date: 28 June 2006	
No person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive unless otherwise agreed with the Authority of the State of Registry.		
Type Approval Holder's Name: EUROCOPTER		Type/Model designation(s): AS 350 AND AS 355 Helicopters
TCDS Number: EASA.R.008, France 168.		
Foreign AD: None.		
Supersedes: DGAC AD F-2005-136, EASA Approval 2005-6120		
ATA 05, 52	Doors – Sliding Door Rear Roller Support Shaft and Rear Fitting	
Manufacturer:	EUROCOPTER (formerly EUROCOPTER FRANCE, AEROSPATIALE)	
Applicability:	Helicopters: - AS 355 E, F, F1, F2 and N, - AS 350 B, BA, BB, B1, B2, B3 and D, fitted with sliding door(s) before embodiment of MOD 073298 and/or MOD 073308.	
Reason:	<p>This Airworthiness Directive (AD) is issued following a case of total failure and a case of a crack discovered on the support shaft of the sliding door rear roller.</p> <p>Metallurgical analysis revealed a non-conformity concerning the heat treatment of the material.</p> <p>If this deficiency is not corrected, it could lead to the loss of the sliding door in flight.</p> <p>Since then, a case of a crack and a case of failure of the roller support shaft rear attaching fitting have been reported.</p> <p>The purpose of this AD which supersedes DGAC AD No. F-2005-136, is:</p> <p>- To cover the conversion of the EUROCOPTER Alert Telex into Alert Service Bulletins (ASB) with the same reference numbers indicated below, corresponding to the aircraft version.</p>	

	<p>- To inform that the embodiment of MOD 073298 and/or 073308 (or compliance with EUROCOPTER AS 350 ASB No. 52.00.30 and AS 355 ASB No. 52.00.23) cancels the instructions in this AD.</p>
Effective Date:	Proposed: 28 July 2006
Compliance:	<p>1. The following measures are mandatory as from August 3, 2005, the effective date of DGAC AD No. F-2005-136.</p> <p>1.1. Sliding doors having logged less than 90 flying hours:</p> <p>At the latest at 110 flying hours, then at intervals not exceeding 110 flying hours, check the support shaft of the rear roller and the rear fitting of the sliding door(s), for cracks, in compliance with the instructions specified in paragraph 2.B. of ASB No. 05.00.47 corresponding to AS 350 helicopters or ASB No. 05.00.45 corresponding to AS 355 helicopters.</p> <p>1.2. Sliding doors having logged 90 flying hours or more:</p> <p>1.2.1. Unless already done, compliance with the instructions specified in paragraph 2.B. of the referenced original edition of AS 350 ASB No. 05.00.47 or of AS 355 ASB No. 05.00.45 must be ensured no later than within 20 flying hours as from February 16, 2005, the effective date of DGAC AD No. F-2005-032 and AD No. F-2005-033.</p> <p>1.2.2. No later than within 110 flying hours following last compliance with AD No. F-2005-032 or AD No. F-2005-033 or with paragraph 1.2.1, then at intervals not exceeding 110 flying hours, comply with the instructions specified in paragraph 2.B of referenced AS 350 ASB No. 05.00.47 or AS 355 ASB No. 05.00.45, corresponding to the aircraft version.</p> <p>2. The following measures are mandatory as from the effective date of this AD.</p> <p>2.1. At the latest by December 31, 2006, replace the roller support shaft and fitting of the LH and/or RH sliding doors in compliance with the instructions specified in paragraph 2.B of referenced AS 350 ASB No. 52.00.30 or AS 355 ASB No. 52.00.23, corresponding to the aircraft version.</p> <p>2.2 At the latest by December 31, 2006:</p> <p>2.2.1. Before installation on an aircraft of sliding door(s) held as spares and referenced in paragraph 1.A.2., comply with the instructions specified in paragraph 2.B of AS 350 ASB No. 52.00.30 or AS 355 ASB No. 52.00.23, corresponding to the aircraft version.</p>

	<p>2.2.2. Scrap the stock of shafts P/N 350A 25-1275-20 and roller support fittings P/N 350A25-1270-20, in compliance with the instructions specified in paragraph 2.B.5 of referenced AS 350 ASB No. 52.00.30 or AS 355 ASB No. 52.00.23, corresponding to the aircraft version.</p>
Ref. Publications:	<p>EUROCOPTER AS 350 Alert Service Bulletins No. 05.00.47 and No. 52.00.30.</p> <p>EUROCOPTER AS 355 Alert Service Bulletins No. 05.00.45 and No. 52.00.23.</p> <p>or later approved revisions.</p>
Remarks:	<ol style="list-style-type: none"> 1. If requested and appropriately substantiated the responsible EASA manager for the related product has the authority to accept Alternative Methods of Compliance (AMOCs) for this AD. 2. The closing date for comments is 14 July 2006. 3. Enquiries regarding this AD should be addressed to Mr. M. Capaccio, AD Focal Point, Certification Directorate, EASA. E-mail: ADs@easa.europa.eu 4. For any questions concerning the technical content of the requirements in this AD, please contact: EUROCOPTER (STDI) - Aéroport de Marseille Provence 13725 Marignane Cedex - France. Tel: 33 (0) 4 42 85 97 97 - Fax: 33 (0) 4 42 85 99 66. E-mail: Directive.technical-support@eurocopter.com