


EASA	EMERGENCY AIRWORTHINESS DIRECTIVE	
	<p>AD No.: 2006 – 0060-E</p> <p>Date: 07 March 2006</p>	
<p>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.</p>		
<p>Type Approval Holder's Name:</p> <p>EUROCOPTER</p>	<p>Type/Model designation(s):</p> <p>AS 350</p>	
<p>TCDS Number: EASA R.008</p>		
<p>Foreign AD: None</p>		
<p>Supersedes: None</p>		
<p>ATA 55</p>	<p>Stabilizers – Upper and Lower Fins</p>	
<p>Manufacturer(s):</p>	<p>EUROCOPTER , EUROCOPTER – FRANCE, AEROSPATIALE</p>	
<p>Applicability:</p>	<p>1 -AS 350 B, B1, B2, BA, BB and D helicopters, equipped with: upper and lower fins <u>pre</u>-MOD 073288.</p> <p>2 -AS 350 B3 helicopters, equipped with: lower and upper fins <u>pre</u>-MOD 073288, or, lower and upper fins <u>post</u>-MOD 073288, with the upper fin <u>pre</u>-MOD 073148.</p>	
<p>Reason:</p>	<p>This Airworthiness Directive (AD) is issued following the discovery of two cases of cracks in the spar of the upper fin on AS 355 N helicopters.</p> <p>The growth of a crack in the attachment spar of a fin can, in time, lead to the failure of the spar and the loss of the fin.</p>	

	<p>For AS 350 B3 helicopters: compliance with this AD cancels the instructions given in the DGAC AD F-2005-010, planned to be replaced, in very short term, by an EASA AD, without modification to its technical content.</p>
<p>Effective Date:</p>	<p>07 March 2006</p>
<p>Compliance:</p>	<p>The following measures are mandatory as from the effective date of this AD:</p> <p>1. Case for AS 350 B, B1, B2, BA, BB and D helicopters.</p> <p>1.1. At the latest by June 30, 2006 or at the next «T» inspection (the first limit reached is applicable), replace the upper fin and lower fin attachment screws, in compliance with the instructions specified in paragraph 2.B. of referenced EUROCOPTER AS 350 Alert Service Bulletin (ASB) No. 55.00.12.</p> <p>1.2 As from June 30, 2006, it is forbidden to install screws PN 22201BC060016L or PN 22201BV060016L on upper and lower fins.</p> <p>2. Case for AS 350 B3 helicopters.</p> <p>2.1 Helicopters equipped with upper and lower fins <u>pre-MOD 073288</u>, with the upper fin <u>pre-MOD 073148</u>.</p> <p>2.1.1. No later than within 110 flying hours, replace the upper and lower fin attachment screws in compliance with the instructions specified in paragraph 2.B.2 of referenced EUROCOPTER AS 350 ASB No. 55.00.13.</p> <p>2.1.2. At intervals not exceeding 110 flying hours, check the tightening torque of the upper fin attachment screws and check that there is no crack and no loosened rivet in the upper fin reinforcement splice, in compliance with the instructions specified in paragraph 2.B.3 of referenced EUROCOPTER AS 350 ASB No. 55.00.13:</p> <p>a) if a crack is detected in the reinforcement splice, replace the fin, scrap the 2 attachment screws and replace them before installing a new fin, in compliance with the instructions specified in paragraph 2.B.3.a.1,</p> <p>b) if the tightening torque of one or both of the attachment screws is less than 80% of the minimum torque value and/or if there is a loosened rivet, check that there is no crack in the upper fin spar, in compliance with the instructions specified in paragraph 2.B.3.a.2,</p> <p>- if there is a crack in the spar, replace the upper fin, scrap the 2 attachment screws and replace them</p>

before installing a new fin, in compliance with the instructions specified in paragraph 2.B.3.a.2,

- if there is a loosened rivet, replace the loosened rivet(s), scrap the 2 attachment screws and replace them in compliance with the instructions specified in paragraph 2.B.3.a.2,
- if there is no crack and no loosened rivet, scrap the 2 attachment screws and replace them in compliance with the instructions specified in paragraph 2.B.3.a.2,

c) if the tightening torque of the 2 attachment screws is equal to or more than 80% of the minimum torque value and if there is no crack and no loosened rivet, scrap the 2 attachment screws and replace them in compliance with the instructions specified in paragraph 2.B.3.a.3.

2.2. Helicopters equipped with upper and lower fins pre-MOD 073288, with the upper fin post-MOD 073148.

At the latest at the next 500-hour inspection or by March 31, 2006 (the first limit reached is applicable), replace the upper and lower fin attachment screws, in compliance with the instructions specified in paragraph 2.B.2 of referenced EUROCOPTER AS 350 ASB No. 55.00.13.

2.3. Helicopters equipped with upper and lower fins post-MOD 073288, with the upper fin pre-MOD 073148.

No later than within 110 flying hours and at intervals not exceeding 110 flying hours, check the tightening torque of the upper fin attachment screws and check that there is no crack and no loosened rivet in the upper fin reinforcement splice, in compliance with the instructions specified in paragraph 2.B.3. of referenced EUROCOPTER AS 350 ASB No. 55.00.13:

- a) if a crack is detected in the reinforcement splice, replace the fin, scrap the 2 attachment screws and replace them before installing a new fin, in compliance with the instructions specified in paragraph 2.B.3.a.1,
- b) if the tightening torque of one or both of the attachment screws is less than 80% of the minimum torque value and/or if there is a loosened rivet, check that there is no crack in the upper fin spar, in compliance with the instructions specified in paragraph 2.B.3.a.2,
 - if a crack is detected in the spar, replace the upper fin, scrap the 2 attachment screws and replace them before installing a new fin, in compliance with the instructions specified in paragraph 2.B.3.a.2,

	<ul style="list-style-type: none"> - if there is a loosened rivet, replace the loosened rivet(s), scrap the 2 attachment screws and replace them in compliance with the instructions specified in paragraph 2.B.3.a.2, - if there is no crack and no loosened rivet, scrap the 2 attachment screws and replace them in compliance with the instructions specified in paragraph 2.B.3.a.2, <p>c) if the tightening torque of the 2 attachment screws is equal to or more than 80% of the minimum torque value, and if there is no crack and no loosened rivet, scrap the 2 attachment screws and replace them in compliance with the instructions specified in paragraph 2.B.3.a.3.</p>
Ref. Publications:	<p>EUROCOPTER AS 350 Alert Service Bulletins No. 55.00.12 and No. 55.00.13.</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 safety assessment has requested not to implement the full consultation process and an immediate publication and notification. 3. Enquiries regarding this AD should be addressed to Mr. M. Capaccio, AD Focal Point, Certification Directorate, EASA. E-mail: ADs@easa.eu.int. 4. For any questions concerning the technical content of the requirements in this AD, please contact: EUROCOPTER (STXI) - Aéroport de Marseille Provence 13725 Marignane Cedex - France. Tél : 33 (0) 4 42 85 97 97 - Fax : 33 (0) 4 42 85 99 66. E-mail : Directive.technical-support@eurocopter.com.