	<b>AIRWORTHINESS DIRECTIVE</b> <b>No F-2005-136</b>	Distribution: <b>A</b>	Issue date: <b>August 03, 2005</b>	Page : <b>1/2</b>
Direction générale de l'aviation civile France GSAC publication	This Airworthiness Directive is published by the DGAC on behalf of EASA, Airworthiness Authority of the State of Design for the affected product, part or appliance.		<i>Translation of « Consigne de Navigabilité » of same number. In case of difficulty, reference should be made to the French issue.</i>	
	<b>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.</b>			
Corresponding foreign Airworthiness Directive(s): <b>Not applicable</b>		Airworthiness Directive(s) replaced: <b>F-2005-032 and F-2005-033, cancelled by their Revision 1</b>		
Person in charge of airworthiness: <b>EUROCOPTER</b>		Type(s): <b>AS 350, AS 355 helicopters</b>		
Type certificate(s) No. <b>84, 168</b> TCDS No <b>157, 168</b>				
ATA chapter: <b>05, 52</b>	Subject: <b>Doors - Sliding door rear roller support shaft and rear fitting</b>			

### 1. EFFECTIVITY:

Helicopters:

- AS 355 E, F, F1, F2 and N,
- AS 350 B, BA, BB, B1, B2, B3 and D,

fitted with sliding door(s).

### 2. REASONS:

The Airworthiness Directives (ADs) F-2005-032 and F-2005-033 were issued following a case of total failure and a case of crack discovered on the support shaft of the sliding door rear roller.

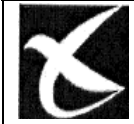
The ADs F-2005-032 and F-2005-033 introduced periodic monitoring of the support shaft of the sliding door rear roller in order to make sure that there is no crack.

Since then, a case of crack and a case of failure of the roller support shaft rear attaching fitting have been reported.

Consequently, this new AD:

- incorporates the requirements of the ADs F-2005-032 and F-2005-033 and extends the crack check to the rear attaching fitting of the roller support shaft of the sliding door(s),
- covers the Revision 1 of the EUROCOPTER AS 350 and AS 355 Alert Telexes (ATs) referenced below.

This new AD replaces the ADs F-2005-032 and F 2005-033 which were issued on February 16, 2005 and cancelled by their Revision 1.



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**3. MANDATORY ACTIONS AND COMPLIANCE TIMES:**

The following measures are rendered mandatory as from the effective date of this AD:

**3.1. Sliding door(s) having logged less than 90 flying hours:**

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 § 2.B. of the referenced AT, corresponding to the aircraft version.

**3.2. Sliding door(s) having logged 90 flying hours or more:**

**3.2.1.** Unless already carried out, compliance with the original edition of the referenced AT, corresponding to the aircraft version, must be ensured no later than within the 20 flying hours as from February 16, 2005, the effective date of the ADs F-2005-032 and F-2005-033.

**3.2.2.** No later than within the 110 flying hours following last compliance with AD F-2005-032 or with AD F-2005-033 or with § 3.2.1., then at intervals not exceeding 110 flying hours, comply with the instructions specified in § 2.B. of the referenced AT, corresponding to the aircraft version.

**3.3.** Before installation, on an aircraft, of sliding door(s) held as spares and having logged flying hours, comply with the instructions specified in § 2.B. of the referenced AT, corresponding to the aircraft version.

**4. REFERENCE PUBLICATIONS:**

EUROCOPTER AS 350 Alert Telex No 05.00.40 R1  
EUROCOPTER AS 355 Alert Telex No 05.00.40 R1  
(Any subsequent approved revision to the ATs is acceptable).

**5. EFFECTIVE DATE:**

Upon receipt, as from August 03, 2005.

**6. REMARK:**

For any questions concerning the technical content of the requirements in this AD, please contact:  
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**7. APPROVAL:**

This AD is approved under EASA reference No 2005-6120 dated July 27, 2005.