	AIRWORTHINESS DIRECTIVE No F-2005-119 R1		Distribution: A	Issue date: February 01, 2006	Page : 1/2
	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>	
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.					
Corresponding foreign Airworthiness Directive(s): Not applicable			Airworthiness Directive(s) replaced: F-2005-119 original issue		
Person in charge of airworthiness: EUROCOPTER			Type(s): EC 155 helicopters		
Type certificate(s) No. 86 TCDS No 159					
ATA chapter: 29	Subject: Hydraulic power - Coolers				

1. EFFECTIVITY:

EUROCOPTER EC 155 B and B1 helicopters equipped with optional coolers (reference 11-84964) of hydraulic systems using AIR 3520 fluid:

Serial numbers of the hydraulic coolers concerned: 7400, 7404, 7405, 7407, 7409, 7410, 7411, 7413, 7414, 7415, 7425, 7426, 7434, 7436, 7448, 7452, 7455 and 7456.

2. REASONS:

This Airworthiness Directive (AD) is issued following the discovery of sand contamination in a new hydraulic cooler.

The finest sand particles could cause early hydraulic pump wear and subsequent leaks in the hydraulic systems of the flight controls, which could lead, in the worst case, to the loss of control of the helicopter.

Revision 1 of this AD covers the conversion of EUROCOPTER EC 155 Alert Telex No. 29A004 into an Alert Service Bulletin (ASB) bearing the same reference number, with no change to the technical content.


3. MANDATORY ACTIONS AND COMPLIANCE TIMES:

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

3.1. Within the next 15 flight hours:

- identify the serial number of the cooler of each hydraulic system (right and left),
- if the cooler's serial number appears in the list of § 1. of this AD:

replace the right and/or left filter element with a new filter element, check for possible sand contamination of removed filter elements and, if necessary, decontaminate the contaminated hydraulic system(s) following the instructions specified in § 2.B. of referenced EUROCOPTER EC 155 ASB No. 29A004.

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3.2. Before installation on a helicopter, of a hydraulic cooler, held as spare, of which the serial number appears in the list of § 1. of this AD, comply with the instructions specified in § 2.b.2.d. of the referenced ASB.

4. **REFERENCE PUBLICATION:**

EUROCOPTER EC 155 Alert Service Bulletin No. 29A004
(Any subsequent approved revision of this ASB is acceptable).

5. **EFFECTIVE DATES:**

Original issue : Upon receipt of the emergency AD issued on July 06, 2005
Revision 1 : February 11, 2006

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 Revision is approved under EASA reference No 2006-0021 dated January 24, 2006.