	<b>AIRWORTHINESS DIRECTIVE</b> <b>No F-2004-182</b>	Distribution: <b>A</b>	Issue date: <b>December 08, 2004</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>	
	<p style="text-align: center;"><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></p>			
Corresponding foreign Airworthiness Directive(s): <b>Not applicable</b>		Airworthiness Directive(s) replaced: <b>UF-2004-182</b>		
Person in charge of airworthiness: <b>EUROCOPTER</b>		Type(s): <b>EC 155 helicopters</b>		
Type certificate(s) No. <b>86</b> TCDS No <b>159</b>				
ATA chapter: <b>05, 63</b>	Subject: <b>Main rotor drive - Check of the main gearbox (MGB) planet gear carrier</b>			

### 1. EFFECTIVITY:

EC 155 B and B1 helicopters, all serial numbers, equipped with an MGB, all part numbers.

**Note:** This Airworthiness Directive (AD) is intended for maintenance personnel and crews.

### 2. REASONS:

This AD is issued following two cases of cracks that were discovered in the web of the planet gear carrier of an MGB.

The cracks were discovered upon removal of the MGBs subsequent to the detection of metal chips at the magnetic plug.

Rupture of the web of the planet gear carrier can lead to seizure of the MGB.

### 3. MANDATORY ACTIONS AND COMPLIANCE TIMES:


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

#### 3.1. MGBs that have logged less than 50 flying hours since new or major overhaul

- When the MGB has logged 50 flying hours:
  - . In case of chip warning light illumination, at the latest before resuming flights, comply with the instructions specified in § 2.B. of the referenced EUROCOPTER EC155 Alert Telex (AT) No. 63A008.

#### 3.2. MGBs that have logged 50 flying hours or more since new or major overhaul

- In the event of chip warning light illumination, at the latest before resuming flights, comply with the instructions specified in § 2.B. of the referenced AT.

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**4. REFERENCE PUBLICATION:**

EUROCOPTER EC 155 Alert Telex No 63A008  
(Any later approved revision of this AT is acceptable).

**5. EFFECTIVE DATE:**

Upon receipt of the emergency AD issued on November 12, 2004.

**6. REMARK:**

For questions concerning the technical contents of this AD's requirements, contact:

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This AD has been the subject of an emergency diffusion on November 12, 2004.

**7. APPROVAL:**

This AD is approved under EASA reference No 2004-11052 dated November 12, 2004.

SUPERSEDED