

AIRWORTHINESS DIRECTIVE

released by DIRECTION GENERALE DE L'AVIATION CIVILE

Inspection and/or modifications described below are mandatory. No person may operate a product to which this Airworthiness Directive applies except in accordance with the requirements of this Airworthiness Directive.

Translation of 'Consigne de Navigabilité' ref. : 93-131-051(B) R1
In case of any difficulty, reference should be made to the French original issue.

EUROCOPTER FRANCE

AS 332 helicopters

Epicyclic Module

This Airworthiness Directive applies to AS 332 helicopters versions C, C1, L and L1 equipped with an epicyclic module P/N 332A32-2007-00 and -01.

Further to the possibility of the existence of non-compliant bolts on the epicyclic module upper casing bearing attachment (bolts too long which could interfere with the 2nd stage planet gear cage web), the following measures are rendered mandatory :

First case - Modules whose serial numbers are listed in the Annex to EUROCOPTER FRANCE AS 332 Telex Service N° 01-37 and which have been "Repaired" or "Overhauled"

- Apply the checks and measures specified in paragraph C.C of the referenced EUROCOPTER FRANCE Telex Service N°01-37 on the epicyclic modules in question according to the following compliance time limits, counted from the effective date of the original Airworthiness Directive :

1. Aircraft monitored by cycles

- 1.1** Epicyclic module fitted on aircraft operated with numerous torque variations (more than 4 cycles per hour; e.g. : logging) according to the definition given in Chapter 5.99 of the Master Servicing Recommendations (PRE) :

- Within the next 50 flying hours or 200 cycles (whichever limit is reached first).

- 1.2** Epicyclic module fitted on aircraft which are not operated with numerous torque variations (4 cycles or less per hour).

- 1.2.1** Module which has logged more than 2000 cycles since repair or overhaul :
 - Within the next 50 flying hours.

- 1.2.2** Module which has logged less than 2000 cycles since repair or overhaul :
 - Within the next 100 flying hours.

2. Aircraft not monitored by cycles

- 2.1** Epicyclic module which has logged more than 500 hours since repair or overhaul :
 - Within the next 50 flying hours.

- 2.2** Epicyclic module which has logged less than 500 hours since repair or overhaul :
 - Within the next 100 flying hours.

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v/DJ

January 18, 1995

EUROCOPTER FRANCE
AS 332 helicopters

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3. Epicyclic modules held as spares

- Before installing the module on a MGB.

Second case - Modules, subject of EUROCOPTER FRANCE AS 332 Service Telex N° 01-41, with serial numbers from M100 to M689 inclusive and from M3000 to M3048 inclusive and that have not been repaired nor overhauled and on which compliance with AS 332 Telex Service N° 01-37 has not been ensured.

- Apply the checks and measures specified in paragraph C.C of the referenced EUROCOPTER FRANCE Telex Service N°01-41 on the epicyclic modules in question according to the following compliance time limits, counted from the effective date of Revision 1 of this Airworthiness Directive :

1. Aircraft monitored by cycles

1.1 Epicyclic module fitted on aircraft operated with numerous torque variations (more than 4 cycles per hour; e.g. : logging) according to the definition given in Chapter 5.99 of the Master Servicing Recommendations (PRE) :

- Within the next 50 flying hours.

1.2 Epicyclic module fitted on aircraft which are not operated with numerous torque variations (4 cycles or less per hour) and which have logged since new :

- Less than 1800 cycles :
 - . Check before 2000 cycles are reached.
- Between 1800 and 2000 cycles :
 - . Check within 50 flying hours after reaching 2000 cycles.
- More than 2000 cycles :
 - . Check within the next 50 flying hours.

2. Aircraft not monitored by cycles

Epicyclic module which has logged since new :

- Less than 450 hours :
 - . Check before reaching 500 flying hours.
- Between 450 and 500 hours :
 - . Check before reaching 550 flying hours.
- More than 500 hours :
 - . Check within the next 50 flying hours.

3. Epicyclic modules held as spares

- Before installing the module on a MGB.

REF : EUROCOPTER FRANCE AS 332 Telex Service No 01-37 and 01-41

This Revision 1 replaces original AD 93-131-051(B) dated August 18, 1993.

EFFECTIVE DATES :

Original AD : **ON RECEIPT AFTER AUGUST 18, 1993**
Revision 1 : **JANUARY 28, 1995**