



CIVIL AVIATION AUTHORITY
CZECH REPUBLIC
Airworthiness Division
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AIRWORTHINESS DIRECTIVE

Number: CAA-AD-067/2002R1
Supersedes CAA-AD-067/2002
Date of issue: December 31, 2003
EUROCOPTER
AS 355

HELICOPTER – “TRW-SAMM” MAIN SERVOCONTROLS (ATA 67) – INSPECTION

Applicability: AS 355 F, F1, F2 and N helicopters equipped with "TRW - SAMM" main servocontrols, part numbers SC 8042 or SC 8043 that underwent their last complete overhaul or repair since complete overhaul at "HAWKER PACIFIC AEROSPACE", USA, before March 1, 2002.

Effective date: February 19, 2004.

Compliance: Required as indicated in DGAC AD F-2002-315-069R1.

Remarks: The compliance of this AD must be recorded in Aircraft Logbook, where applicable the requirements of this AD must be integrated into Aircraft Technical Documentation. Address inquiries concerning this AD to: Civil Aviation Authority, Airworthiness Division, Ruzyně Airport, 160 08 Prague 6, Czech Republic, tel: 420 2 33320922, fax: 420 2 20562270.

Ing. Pavel MATOUŠEK
director

DGAC AD No.: F-2002-315-069 R1

Airworthiness Directive(s) replaced: 2002-315-069

EUROCOPTER

Type(s): AS 355 helicopters

Type certificate(s) No. 168 TCDS No 168

ATA chapter:67

Rotor flight controls - TRW - SAMM main servocontrols

1. EFFECTIVITY:

AS 355 F, F1, F2 and N helicopters equipped with "TRW - SAMM" main servocontrols, part numbers SC 8042 or SC 8043 that underwent their last complete overhaul or repair since complete overhaul at "HAWKER PACIFIC AEROSPACE", USA, before March 1, 2002.

2. REASONS:

This Airworthiness Directive (AD) is issued following a report of incorrect tightening torque load found in service on servocontrols overhauled by "HAWKER PACIFIC AEROSPACE", installed on SA 366 G1 helicopters on the end-fitting that attaches the servocontrol cylinder to the upper ball end-fitting.

This anomaly might lead to thread failure and separation of the upper end-fitting and result in the loss of the control of the helicopter.

Revision 1 of this Airworthiness Directive (AD) covers the conversion of EUROCOPTER AS 355 Alert Telex No. 67.00.23 into an Alert Service Bulletin (ASB) bearing the same number, with no change to the technical content.

3. MANDATORY ACTIONS AND COMPLIANCE TIMES:

Remove the servocontrols and return them to "HAWKER PACIFIC AEROSPACE" for a check of the thread condition and application of the tightening torque as per CMM, in compliance with the instructions described in paragraph 2 of referenced EUROCOPTER AS 355 Alert Service Bulletin (ASB) No. 67.00.23, within the following time limits:

3.1. For servocontrols that have been in service for less than 1,000 flight hours at the effective date of the original issue of this AD;

The actions defined above were to be taken no later than within 550 flight hours or 12 months (whichever limit was reached first) from the effective date of the original issue of this AD.

3.2. For servocontrols that have been in service for 1,000 flight hours or more than 1,000 flight hours and less than 1,300 flight hours at the effective date of the original issue of this AD:

The actions defined above were to be taken before the servocontrols had reached 1,550 flight hours or within 9 months (whichever limit was reached first) from the effective date of the original issue of this AD.

3.3. For servocontrols that have been in service for 1,300 flight hours or more than 1,300 flight hours at the effective date of the original issue of this AD:

The actions defined above were to be taken no later than within 250 flight hours or 6 months (whichever limit was reached first) from the effective date of the original issue of this AD.

3.4. For servocontrols held as spares

The actions defined above are to be taken before installation on aircraft.

4. REFERENCE PUBLICATION:

EUROCOPTER AS 355 Alert Service Bulletin No. 67.00.23 (or any further revision of this ASB).

5. EFFECTIVE DATES:

Original issue : Upon receipt from June 12, 2002

Revision 1 : December 20, 2003

6. REMARK:

If you have any questions about 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 1451 dated December 02, 2003.