



CIVIL AVIATION AUTHORITY  
CZECH REPUBLIC  
Airworthiness Division  
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## AIRWORTHINESS DIRECTIVE

**Number: CAA-AD-035/2003**

Date of issue: March 25, 2003

**EUROCOPTER**  
AS 355

### **HELICOPTER – MAIN AND TAIL TRW SAMM SERVOCONTROLS (ATA 01, 67) – INSPECTION/REPLACEMENT**

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**Applicability:** AS 355 helicopters, versions E, F, F1, F2 and N equipped with the following main and tail TRW SAMM servocontrols listed in DGAC AD 2003-100(A).

**Effective date:** May 15, 2003

**Compliance:** Required as indicated in DGAC AD 2003-100(A).

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*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 233320922, fax: 420 220562270.*

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**DGAC AD No.: 2003-100(A)**

**EUROCOPTER**

**AS 355 helicopters**

Main and Tail TRW SAMM servocontrols (ATA 01, 67)

**1. EFFECTIVITY:**

AS 355 helicopters, versions E, F, F1, F2 and N equipped with the following main and tail TRW SAMM servocontrols:

1.1. Main servocontrols, part number SC5083 or SC5084, with part numbers without suffix "V", having the following serial numbers:

- SC5083: S/N from 1500 to 1515 inclusive.
- SC5084: S/N from 722 to 726 inclusive.

1.2. Main and tail servocontrols, part number SC5081-1 or SC5082-1 or SC5083 or SC5084 or SC5071-1 or SC5072, with part numbers without suffix "V", with the following serial numbers:

SC5081-1: S/N 78, 89, 227, 240, 315, 362, 427, 451, 452, 492, 497, 498, 506, 512, 532, 550, 556, 561.

SC5082-1: S/N 045, 180, 194, 197, 254, 264.

SC5083: S/N 01, 03, 05, 082, 17, 21, 40, 43M, 65M, 77, 87, 103M, 106M, 107, 109, 128, 129, 138, 139, 144, 148, 152, 206, 207, 218, 221, 226, 235, 239, 240, 241, 243, 254, 256, 269, 286, 287, 290, 291, 302, 312, 321, 325, 327, 330, 331, 334, 338, 339, 347M, 356M, 365, 371, 372, 378M, 380M, 389, 412M, 418, 423, 428, 439, 484M, 503, 505, 525, 526, 528, 529, 573M, 587, 594M, 598, 612, 622, 1150 to 1155, 1157, 1159 to 1169, 1180 to 1199, 1207, 1208, 1210 to 1259, 1269, 1291 to 1499.

SC5084: S/N 013, 025, 31, 75, 087, 87, 101M, 102, 105, 108, 136, 160, 162, 165M, 203, 205, 205M, 209, 220, 225, 232M, 239M, 267M, 271, 288M, 292, 300, 320, 364M, 458, 612, 627, 630, 632 to 634, 636 to 652, 654, 656 to 660, 682 to 721, 727 to 731, 733 to 756.

SC5071-1: S/N 343, 389.

SC5072: S/N 003, 35, 108, 197, 216M, 253M, 339M, 347M, 432M, 700 to 724, 726 to 744, 763 to 768, 783 to 789, 820 to 883.

Note: Servocontrols with part numbers with suffix "V" have been checked or repaired by TRW SAMM. These servocontrols are not covered by this AD.

**2. REASONS:**

This Airworthiness Directive (AD) is issued following the discovery of a manufacturing fault on a set of main servocontrol rods. Failure of these rods would result in loss of helicopter control.

Furthermore, this AD incorporates and extends the applicability of AD 2001-591-065(A) cancelled by its Revision 1, (EUROCOPTER AS 355 Service Telex No. 01,00.48 related to this AD, is superseded by an ASB with same number).

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

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

- 3.1. Before the next flight, check whether any of the servocontrols listed in paragraph 1.1, or paragraph 1.2. above are installed on the aircraft.
- 3.2. Before resuming flights, replace all servocontrols listed in paragraph 1.1 above with servocontrols that are not specified in this list, in compliance with the instructions described in paragraph 2.A of EUROCOPTER AS 355 Alert Service Bulletin (ASB) No. 01.00.48 referenced below.
- 3.3. Within 550 flight hours or 24 months (whichever limit is reached first), replace all servocontrols listed in paragraph 1.2 above with servocontrols that are not specified in this list, in compliance with the instructions described in paragraph 2.A of the ASB referenced below.

3.4. Before installing any servocontrol held as spares, check its part number and serial number against paragraphs 1.1 and 1.2 above.

If the part number of the servocontrol is specified in one of the two lists, replace it in compliance with the instructions described in paragraph 2.A of the ASB referenced below.

**REF.: EUROCOPTER AS 355 Alert Service Bulletin No. 01.00.48.**

This Airworthiness Directive replaces AD 2001-591-065(A) which is cancelled.

**EFFECTIVE DATE : On receipt from MARCH 05. 2003**