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Číslo: CAA-AD-035/2003

Datum vydání: 25. března 2003

EUROCOPTER
AS 355

VRTULNÍK – „TRW SAMM“ SEVOŘÍZENÍ HLAVNÍHO A VYROVNÁVACÍHO ROTORU (ATA 01, 67) – KONTROLA/VÝMĚNA

Týká se: vrtulníků AS 355 E, F, F1, F2, N vyrobených firmou Eurocopter vybavených TRW SAMM servořízením hlavního a vyrovnávacího rotoru uvedenými v části „Effectivity“ DGAC AD 2003-100(A) (příloha tohoto PZZ).

Důvod vydání: byla objevena výrobní chyba na táhlech servořízení hlavního rotoru. Tato chyba může vést ke ztrátě říditelnosti vrtulníku.

Datum účinnosti: 15. května 2003.

Provést v termínech:

Jak je popsáno v DGAC AD 2003-100(A) od data účinnosti tohoto PZZ.

Postup provedení prací:

Dle DGAC AD 2003-100(A).

Poznámky:

- Provedení tohoto PZZ musí být zapsáno do letadlové knihy.
- Případné dotazy týkající se tohoto PZZ adresujte na ÚCL sekce technická – Ing. B. Fiala.
- Pokud to vyžaduje povaha tohoto PZZ, musí být zapracován do příslušné části dokumentace pro obsluhu, údržbu a opravy letadla.
- Tento PZZ byl vypracován na základě DGAC AD 2003-100(A), který nahrazuje DGAC AD 2001-591-065(A) jenž byl zrušen jeho revizí.

Ing. Pavel MATOUŠEK
ředitel

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