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Číslo: CAA-AD-T-093/2003

Datum vydání: 01. prosince 2003

ROBINSON HELICOPTER COMP.
R44, R44 II

VRTULNÍK – HLAVNÍ A VYROVNÁVACÍ ROTOR – JISTÍCÍ ŠROUBY – KONTROLA/VÝMĚNA

Týká se: vrtulníků R44 a R44 II vyrobených firmou Robinson Helicopter Comp., všech výrobních čísel, certifikovaných ve kterékoliv kategorii.

Důvod vydání: předejít poruše šroubů zajišťujících části cyklického řízení hlavního rotoru a upevňujících listy vyrovnávacího rotoru, což může vést ke ztrátě říditelnosti vrtulníku.

Datum účinnosti: ihned po obdržení

Provést v termínech:

Jak je popsáno v FAA E AD 2003-24-51 od data účinnosti tohoto PZZ.

Postup provedení prací:

Dle FAA E AD 2003-24-51 (příloha tohoto PZZ).

Poznámky:

- Provedení tohoto PZZ musí být zapsáno do letadlové knihy.
- Případné dotazy týkající se tohoto PZZ adresujte na ÚCL sekce technická – Ing. Shrbený.
- 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 FAA E AD 2003-24-51.

Ing. Pavel MATOUŠEK
ředitel

2003-24-51 ROBINSON HELICOPTER COMPANY: Docket No. 2003-SW-48-AD.

Applicability: Model R44 and R44 II helicopters, certificated in any category.

Compliance: Required as indicated, unless accomplished previously.

To prevent failure of the bolt that secures parts of the main rotor swashplate and attaches the tail rotor blade, and subsequent loss of control of the helicopter, accomplish the following:

(a) Before further flight, for all R44 and R44 II helicopters except those serial numbers (S/N) specified in paragraph (c) of this AD:

(1) Determine if maintenance has been performed after February 7, 2003 on the areas specified

in Figure 1 of this AD, and determine if any bolt, part number (P/N) NAS6605-31, shown in Figure 1

has been replaced for any reason.

(2) If any bolt has been replaced, or if it is uncertain whether any bolt has been replaced after February 7, 2003, remove the paint from the bolt head to reveal the vendor identification marking.

Determine if the bolt vendor identification is 01DO.

(b) If the bolt vendor identification is 01DO in step (a)(2) of this AD, comply with paragraphs (d) and (e) of this AD.

(c) The following R44 and R44 II helicopters must comply with paragraphs (d) and (e) of this AD:

(1) Model R44 helicopters, S/N 0210, 0565, 0641, 0987, and 1312 through 1349, except 1345 and 1346, and

(2) Model R44 II helicopters, S/N 10010, 10062, and 10083 through 10212, except 10092, 10173, 10204, 10207, 10210, and 10211.

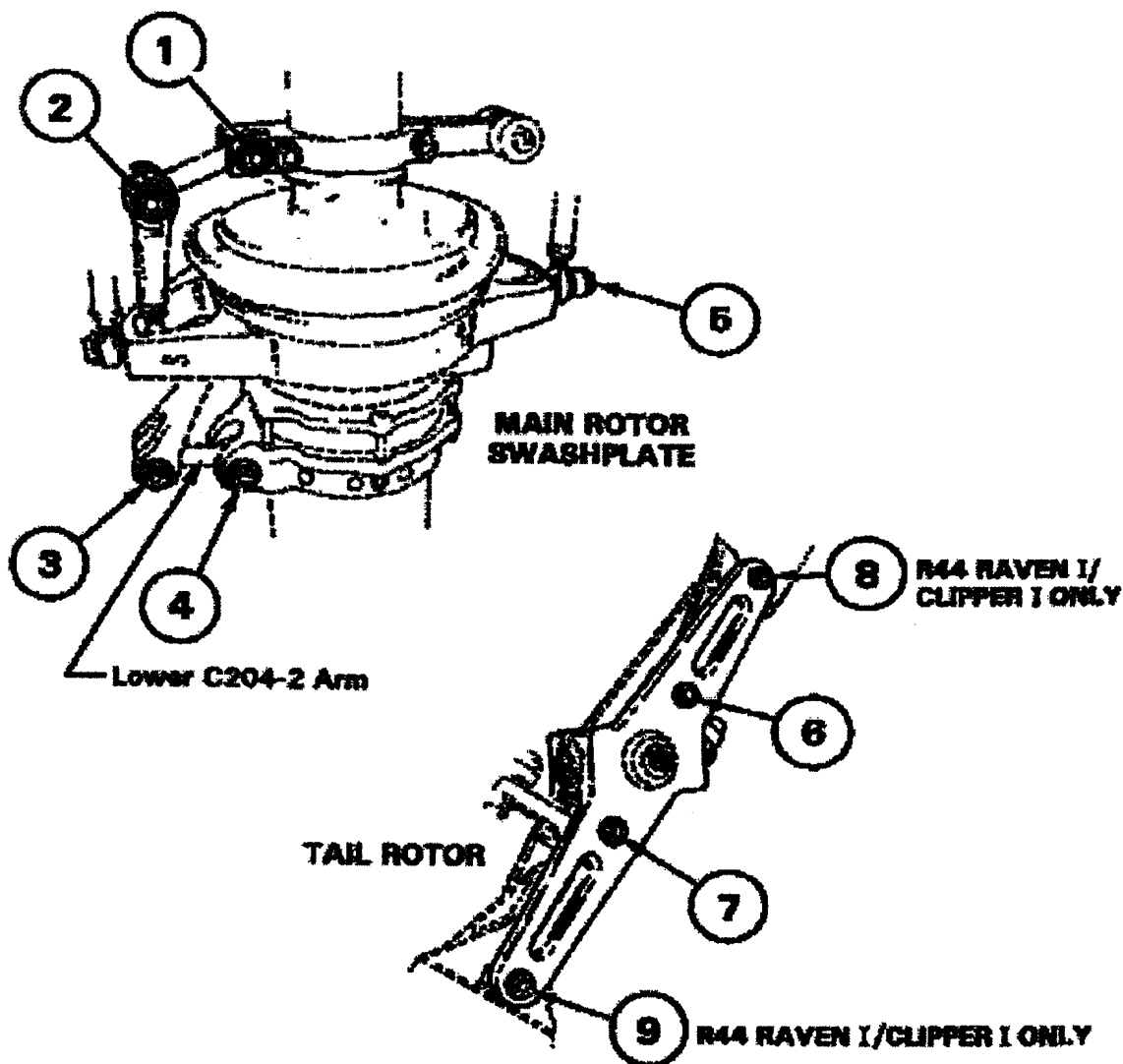
(d) For the helicopters specified in paragraphs (b) and (c) of this AD, before further flight, and before first flight each day of operation, do the following:

(1) Visually inspect each bolt for fretting residue under the bolt head, which indicates a loose, potentially cracked bolt.

(2) Apply 10-15 ft-lb (13-20 Nm) torque to each bolt head and verify no rotation. See Figure 1 of this AD.

(3) If residue or rotation of the bolt is found, before further flight, replace each unairworthy bolt with an airworthy bolt that does not have a vendor identification marking of 01DO.

Note 1: Robinson Helicopter Company Service Bulletin SB-51, dated November 24, 2003, pertains to the subject of this AD.



Suspect NAS6605-31 Bolts

9 Place on R44

7 Places on R44 II

Figure 1

(e) For the helicopters specified in paragraphs (b) and (c) of this AD, within 10 hours time-in-service

or by December 31, 2003, whichever occurs first, replace each bolt, P/N NAS6605-31, that has vendor identification marking 01DO on the bolt head, with an airworthy bolt, P/N NAS6605-31,

that has an alternate vendor identification marking.

(f) Bolt, P/N NAS6605-31, with vendor identification marking 01DO on the bolt head, is NOT

ELIGIBLE for installation on any helicopter.

(g) To request a different method of compliance or a different compliance time for this AD,

follow the procedures in 14 CFR 39.19. Contact the Los Angeles Aircraft Certification Office, FAA,

for information about previously approved alternative methods of compliance.

(h) Emergency AD 2003-24-51, issued November 28, 2003, becomes effective upon receipt.

FOR FURTHER INFORMATION CONTACT: Fred Guerin, Aviation Safety Engineer, FAA, Los

Angeles Aircraft Certification Office, Airframe Branch, 3960 Paramount Blvd., Lakewood, California 90712, telephone (562) 627-5232, fax (562) 627-5210.

Issued in Fort Worth, Texas, on November 28, 2003.

Larry M. Kelly,

Acting Manager, Rotorcraft Directorate,

Aircraft Certification Service.