



HUGHES SERVICE INFORMATION NOTICE

NOTICE NO. N-43

DATE March 28, 1968

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SUBJECT: RETROFIT - DUAL-STRAP CLUTCH SPRING
ATTACHMENT FITTING (P/N 269A5436-13 AND
269A5436-19)

MODELS AFFECTED: { 269A Helicopter Serial Nos. 0452 thru 0713
269B Helicopter Serial Nos. 0236 thru 0333

Also the following helicopters, if equipped with
P/N 269A5436-5/-7 or 269A5436-9/-11 dual-strap
clutch spring attachment fitting as optional equipment:

269A Helicopter Serial Nos. 0011 thru 0451
269A-1 Helicopter Serial Nos. 0001 thru 0041
269B Helicopter Serial Nos. 0001 thru 0235

TIME OF COMPLIANCE: Mandatory within next 25 hours of aircraft operation,
unless already accomplished.

PREFACE:

The information given in this Service Information Notice lists a procedure for replacement of dual-strap clutch spring attachment fitting (P/N 269A5436-5/-7 and 269A5436-9/-11) now installed on the above referenced aircraft.

A new dual-strap clutch spring attachment fitting has been designed by the manufacturer to incorporate straps of equal thickness and strength, thus providing positive attachment. This retrofit dual-strap assembly (P/N 269A5436-13 for electric clutch installation and P/N 269A5436-19 for manual clutch installation) may be obtained without cost by owners and operators of above reference aircraft, having P/N 269A5436-5/-7 or -9/-11 installed, by ordering same within 60 days after receipt of this Service Information Notice.

The new -13 or -19 dual-strap assemblies may be purchased and installed at the owners and operators discretion for aircraft presently equipped with the basic single-strap assembly, P/N 269A5436 or P/N 269A5436-3 (List Prices included in ordering information).

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Reference

269A/A-1/TH-55A Handbook of Maintenance Instruction, Reissued 15 Dec. 1967
269B Handbook of Maintenance Instruction, Reissued 15 August 1967

The following information shall be used when ordering replacement parts.
Prices listed are subject to change without notice.

MANUAL CLUTCH INSTALLATION - Model 269A Serial Nos. 0011 thru 0314;
Model 269A-1 Serial Nos. 0001 thru 0041, order part numbers.

<u>Nomenclature</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Price, List*</u>
Fitting Assembly, clutch control cable tension spring	269A5436-19	1	\$11.40
Pin	MS20392-3-19	1	.15
Pin, Cotter in Price List	AN-381-2-8	1	.01

ELECTRIC CLUTCH INSTALLATION - Model 269A Serial Nos. 0315 thru 0713;
Model 269B Serial Nos. 0001 thru 0333, order part numbers:

<u>Nomenclature</u>	<u>Part No.</u>	<u>Qty</u>	<u>Price, List*</u>
Fitting Assembly, clutch control cable tension spring	269A5436-13	1	\$ 6.53
Pin	MS20302-3-19	1	.15
Pin, Cotter in Price List	AN-381-2-8	1	.01

*Not applicable for referenced aircraft equipped with dual-strap clutch spring
assembly, P/N269A5436-5/-7 or P/N269A5436-9/-11.

PROCEDURE

- a. Position clutch engagement control, or clutch control switch, to DISENGAGED position.
- b. Remove hardware securing existing dual-strap attachment fitting to idler pulley assembly, per referenced HMI.
- c. Install new 269A5436-13 or 269A5436-19 dual-strap attachment fitting; use new pin, cotter pin and existing washer.

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- d. Check dual-strap attachment fitting installation for discrepancies.
- e. Perform operational check of clutch control spring assembly.

Weight and Balance Data

Weight and balance not affected.





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*See basic Notice, dated 28 March 1968

SUBJECT: RETROFIT OR INSPECTION - DUAL-STRAP CLUTCH
SPRING ATTACHMENT FITTING (P/N 269A5436-5/-7)

MODELS AFFECTED: 269A(TH-55A) Helicopter Serial Nos. 0452 thru 0713
Also the following helicopters, if equipped with P/N
269A5436-5/-7 dual-strap clutch spring attachment
fitting as optional equipment:

269A(TH-55A) Helicopter Serial Nos. 0315 thru 0451

TIME OF COMPLIANCE: Step I - RETROFIT - Within next 25 hours of aircraft
operation, unless already accomplished.
Step II - INSPECTION - Within next 25 hours of aircraft
operation, and at each subsequent 25 hours of operation
thereafter.

PREFACE:

The information given in this Service Information Notice lists alternative procedures for Step I, Retrofit of existing P/N 269A5436-5/-7 dual-strap clutch spring attachment fitting; or Step II, Inspection of subject fitting at intervals specified if fitting is to remain in service.

Compliance with either Step I - Retrofit Procedure or Step II - Inspection Procedure is mandatory.

Reference

269A/A-1/TH-55A Handbook of Maintenance Instructions, Reissued 15 Dec. 1967
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PARTS LIST

<u>Nomenclature</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Mfgr.</u>
Fitting Assembly, clutch control cable tension spring	269A5436-13	1	HTC-AD
Pin	MS20392-3-21	1	Commercial
Pin, cotter	AN-381-2-8	1	Commercial

STEP I - RETROFIT PROCEDURE

- a. Position clutch control switch to DISENGAGED position.
- b. Remove hardware securing existing P/N 269A5436-5/7 dual-strap attachment fitting to idler pulley assembly. (Refer to Para. 4-94, HMI)
- c. Install new 269A5436-13 dual-strap attachment fitting; use new pin, new cotter pin, and existing washer.
- d. Check dual-strap attachment fitting installation for discrepancies.
- e. Perform operational check of clutch control spring assembly.

STEP II - INSPECTION PROCEDURE

- a. Position clutch control switch to DISENGAGED position.
- b. Remove hardware securing existing P/N 269A5436-5/7 dual-strap attachment fitting to idler pulley assembly. (Refer to Para. 4-94, HMI)
- c. Visually inspect dual-strap assembly for cracking, deformation or damage.

CAUTION

If cracking, deformation or damage is noted, remove and discard fitting. Install new P/N 269A5436-13 dual-strap attachment fitting.

- d. Reinstall dual-strap attachment fitting.
- e. Check dual-strap attachment fitting installation for discrepancies.
- f. Perform operational check of clutch control spring assembly.