



HUGHES  
SERVICE INFORMATION  
LETTER

LETTER NO. L-39  
DATE Feb. 27, 1968  
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TELETYPE

TO—All owners and operators of Hughes Helicopters

SUBJECT: INTERIM REVISION(HMI) RE: INSPECTION - CABLE,  
BELT DRIVE CLUTCH CONTROL

MODELS AFFECTED: All 269 Series Helicopters

Reference

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

The information given in this Service Information Letter lists a procedure which provides (1) a visual check of belt drive assembly components at every 50-hour periodic inspection, and (2) a complete teardown of the clutch control assembly, after every 400 hours of aircraft operation, to inspect internal fittings and components (including the entire length of the clutch control cable) for wear and damage. This data supersedes and/or supplements instructions given in the current HMI, and is to be considered a part of the HMI until formal incorporation is accomplished at the next revision cycle.

269A/A-1/TH-55A Handbook of Maintenance Instructions

Pg. 4-45, Para. 4-94. INSPECTION-BELT DRIVE CLUTCH CONTROL  
ENGAGEMENT CABLE.

DELETE: Second sentence: "Inspect the cable closely and also attaching fittings at each and every 50 hour periodic inspection."

And replace with new second sentence as follows:

Inspect the cable closely and also attaching fittings at each and every 50 hour periodic inspection (steps a. and b.); perform teardown inspection of assembly at each and every 400 hour periodic inspection (step c.).

DELETE: First sentence of step c.

And replace with new first sentence and Note as follows:

Perform the following additional inspection on the clutch control engagement cable at each and every 400 hour periodic inspection, specified in Table 1-3.

NOTE

Not required for 269A helicopter Serial Nos. 0011 through 0314 and 269A-1 helicopter Serial Nos. 0001 and subsequent, with P/N 269A5482 or P/N 269A5482-1 clutch control spring assembly installed.

Following substep (3) of step c.

ADD: New substep (3A) and Note as follows:

(3A) Remove cotter pin (10), spacers (27) and washer (9) from ears of guide (25) as shown.

NOTE

Cotter pin (10) may be installed through spring housing (11) or through ears of washer (24), depending on assembly design configuration.

269B HANDBOOK OF MAINTENANCE INSTRUCTIONS

Pg. 1-14. Table 1-3. Periodic Inspections, 400-HOUR INSPECTION

ADD: New step f. as follows:

f. Inspect clutch control cable

4-90,  
Step c.

Pg. 4-45, Para. 4-90. INSPECTION-BELT DRIVE CLUTCH CONTROL ENGAGEMENT CABLE.

DELETE: Second sentence: "Inspect the cable closely and also attaching fittings at each and every 400 hour periodic inspection".

And replace with new second sentence as follows:

Inspect the cable closely and also attaching fittings at each and every 50 hour periodic inspection (steps a and b); perform teardown inspection of assembly at each and every 400 hour periodic inspection (step c).

ADD: New step c. as follows:

c. Perform an additional inspection on the clutch control engagement cable at each 400 hour periodic inspection, specified in Table 1-3, Periodic inspections, as follows:

- (1) Position clutch engagement control, or clutch control switch, to DISENGAGED position.
- (2) Remove cotter pin, washer and small clevis pin securing attachment strap and fitting to spring housing. (Refer to Figure 15A)
- (3) Remove cotter pin, washer and large clevis pin from spring housing.
- (4) Remove large cotter pin, washer, and spacers (where installed), from ears of washer.

NOTE

For 269B helicopters Serial Nos. 0193 thru 0235 with P/N269A5455 guide installed, remove cotter pin from ears of guide.

- (5) Compress inner spring by pulling spring housing and restraining the cable; pry rubber retainer cap from end of retainer tube.

NOTE

Removal of rubber cap will expose inner spring assembly.

- (6) Slide spring housing down cable to expose cable, terminal (swaged ball) and internal fittings.
- (7) Inspect entire length of clutch engagement cable as instructed in step b; pay particular attention to first 3-1/2 inches of cable inside spring assembly.

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NOTE

Replace cable subassembly if any strand breakage is noted,  
or excessive wear is evident.

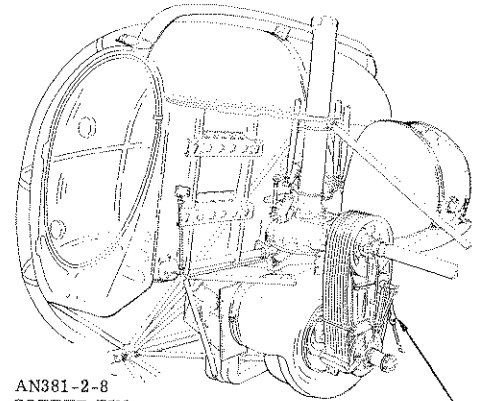
- (8) Reassemble in reverse order of disassembly.

NOTE

Apply a small amount of rubber cement to rubber cap before  
inserting in retainer. Cap is to be flush with end of tube.

ADD: New Figure 15A. Belt Drive Clutch Control Tension Spring.

TRAINED



CLUTCH CONTROL  
 SPRING ASSEMBLY

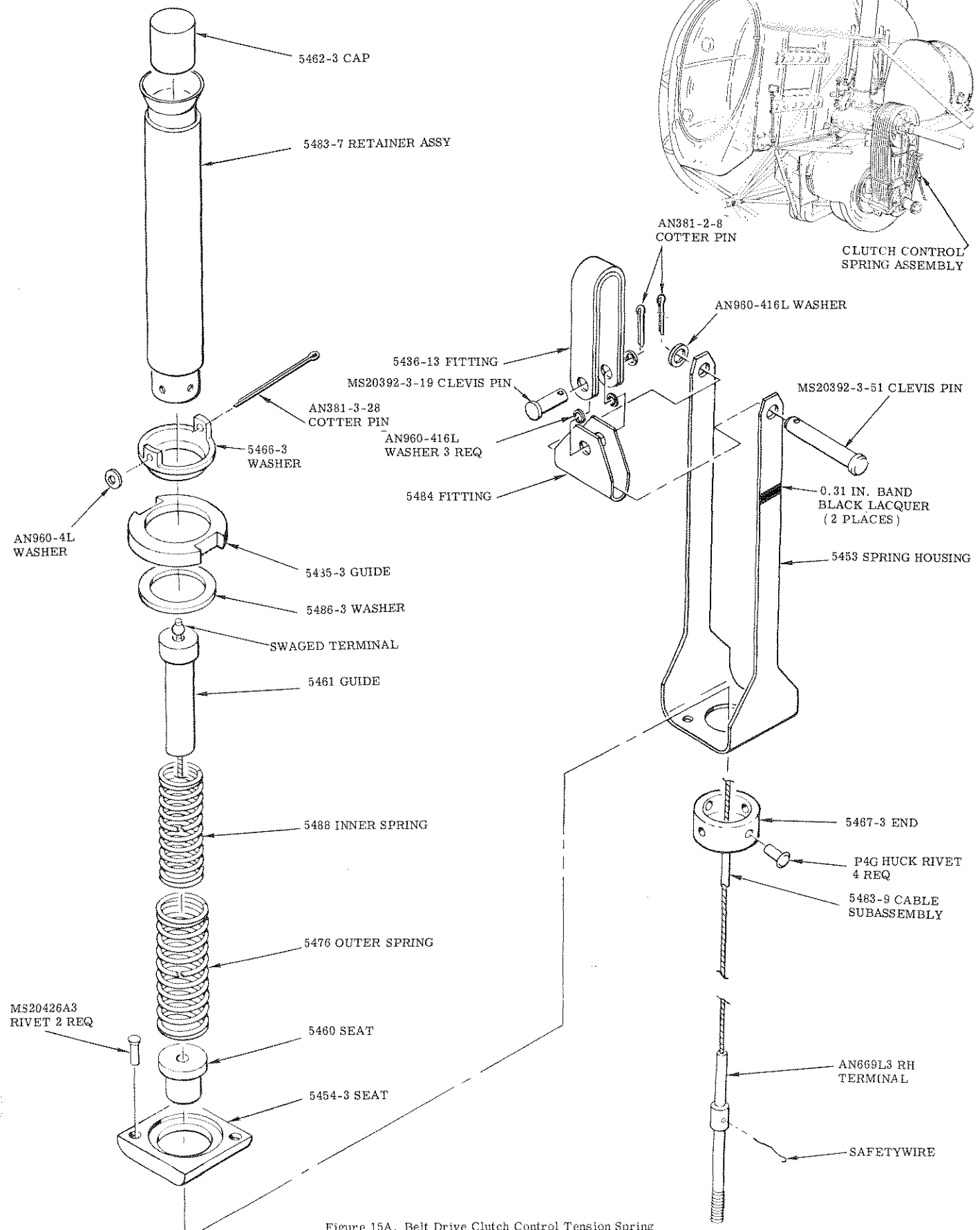


Figure 15A. Belt Drive Clutch Control Tension Spring

