



# SCHWEIZER SERVICE NOTICE

NOTICE NO. N-126  
DATE 24 Feb 1975  
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MANDATORY

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**SUBJECT: INSPECTION/REPLACEMENT CLUTCH ACTUATOR RETAINING SCREWS**

**MODELS AFFECTED:** All 269A-1 and 269B Helicopters equipped with clutch actuator PN DL 1020M81C: 12V, 269A4564 or DL1020M82C 28V.

All 269A Helicopters and 269C Helicopter S/N 0001 through 0288, 0290 through 0329, 0331 through 0341, 0343 through 0363, 0365 through 0371, and 0373 equipped with clutch actuator 269A4564 or DL 1020M82C 28V.

All 269A4564 (DL 1020M82C) 28V and DL 1020M81C: 12V in Spares Inventory.

**TIME OF COMPLIANCE:** Shall be accomplished within ten hours of helicopter operation on installed clutch actuator.

Shall be accomplished prior to installation on clutch actuators in Spares Inventory.

**PREFACE:** This Service Information Notice defines a procedure for inspection and possible replacement of the four (4) 4-40 retaining screws in the clutch actuator body.

Inspections have recently revealed improper screws.

Replacement screws may be procured at no charge from any Hughes Helicopter Service Center or Distributor, within ninety (90) days from the date of this Notice. Screws may also be procured from:

Simmonds Precision  
Motion Controls Division  
1275 Bloomfield Ave.  
Caldwell, N. J., 07006

Reference

269A Series - Basic HMI, Issued April 1973, Revision #2, 1 January 1974

PARTS LIST  
(If Required)

<u>Nomenclature</u>	<u>Part Number</u>	<u>Qty</u>
Screw-Allen 4-40 Clutch Actuator	Ny-Lock PN P60HS440-12C or Simmonds PN S6370CESCS 4-12	4

TOOLS AND EQUIPMENT

Glass 10 x magnifying  
torque wrench 0 to 20 inch pounds minimum

PROCEDURE

- a. Disconnect clutch actuator from center frame section and electrical terminal from actuator in accordance with referenced HMI.
- b. Remove gland nut securing actuator cover, remove sealing tape from two halves of cover, remove cover half from electrical terminal end of actuator.
- c. Visually inspect 4 each 4-40 Allen screws as follows:

NOTE

All screws with a single band of vertical lines around the outside of the raised head must be removed and inspected. Vertical lines are parallel with shank of screw.

- (1) Inspect ny-lock pellet location. If pellet is more than 3 threads from end of screw discard screw.
  - (2) Using 10X magnifying glass, inspect full length of screws for cracks. Discard cracked screws.
  - (3) Any screw with a head configuration other than that described in NOTE is acceptable and does not require inspection.
- d. Replace screws retired from service with new screws, torque screws 5 to 7 inch-pounds.

- e. Identify reworked or acceptable actuators by impression stamping by hand the letter "A" on the bottom panel of the actuator data plate.
- f. Reassemble and install actuator in reverse order of disassembly and removal (Refer to HMI).

NOTE

Reseal case halves using water proof pressure sensitive plastic electrical tape.

- g. Record compliance with this service information notice in compliance section of Helicopter Log Book.

WEIGHT AND BALANCE

Weight and Balance not affected.

