



# SCHWEIZER SERVICE NOTICE

NOTICE NO. N-144  
DATE 8 August 1977  
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MANDATORY

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SUBJECT: INSPECTION - THROTTLE CONTROL CABLE ASSEMBLY

MODELS AFFECTED: 269A Helicopter Serial No. 0011 thru 0314  
269A (TH-55A) Helicopter Serial No. 0315 and subs  
269A-1 Helicopter Serial No. 0001 thru 0041  
269B Helicopter Serial No. 0001 and subs  
269C Helicopter Serial No. 0004 thru 0538; 0542 thru 0544;  
0547 thru 0552

TIME OF COMPLIANCE: Shall be accomplished within next 100 hours of helicopter operation.

PREFACE: Reports of service difficulties with the crimped end fittings have led to an investigation of the throttle control cable. This Notice provides for a one-time inspection of the cable assembly to ensure the integrity of the fitting attachments. The cable is to be proof loaded in accordance with the instructions in this Bulletin. Cable assemblies not meeting the proof load requirements are to be replaced with new cable assemblies.

## Reference

269 Series - Basic HMI, Issued 1 April 1973; Revision No. 4, 15 December 1976

## Hughes Helicopters

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### TOOLS AND EQUIPMENT

Spring scale - 0 to 100 pounds

Commercial

### PROCEDURE

a. Remove hardware securing crimped end fitting of throttle control cable to throttle linkage assembly at servo control. (Refer to Basic HMI.)

#### NOTE

Do NOT loosen retention jam nuts securing flexible cable at servo control adapter arm, and at cable mounting bracket on seat structure rib (upper firewall area). Throttle control must be rerigged, if any of the cable retention jam nuts are loosened.

b. Using spring scale attached to cable end fitting, pull and apply a proof load of 45 to 55 pounds on the throttle cable. Do NOT exceed proof load of 55 pounds.

#### NOTE

When applying proof load, pull slowly on cable in order to detect if any slippage exists at crimped area of end fitting at both ends of the throttle cable assembly. Replace throttle control cable assembly, if any slippage is noted. Apply proof load along the centerline (within  $\pm 10^\circ$ ) of installed throttle control cable position. (See Figure 1.)

c. Reconnect throttle control cable end fitting to throttle linkage assembly at servo control, using existing hardware.

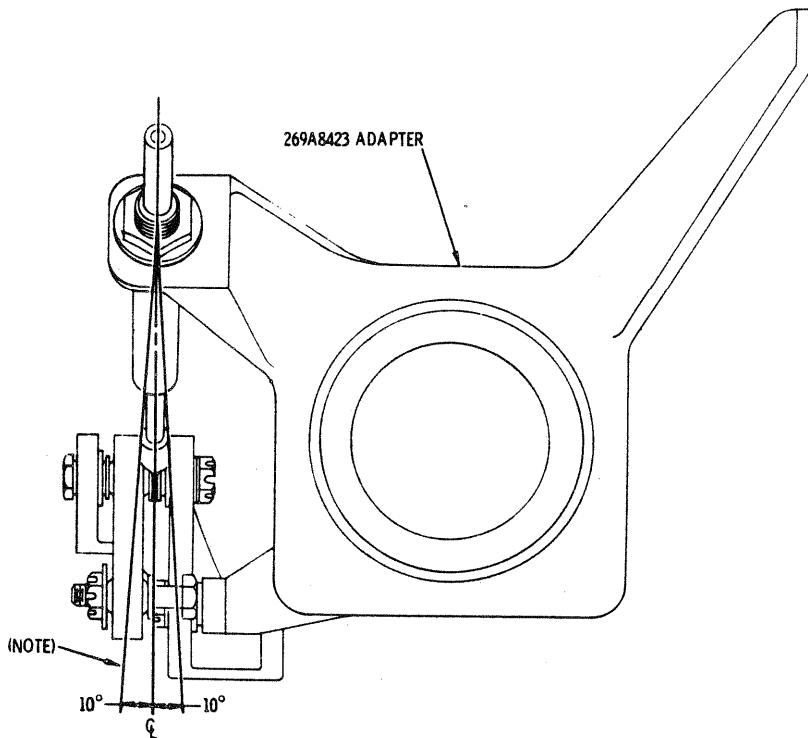
d. Perform operational check of throttle control.

e. Record compliance with this Service Information Notice in Compliance Record of helicopter Log Book.

### WEIGHT AND BALANCE DATA

Weight and balance not affected.

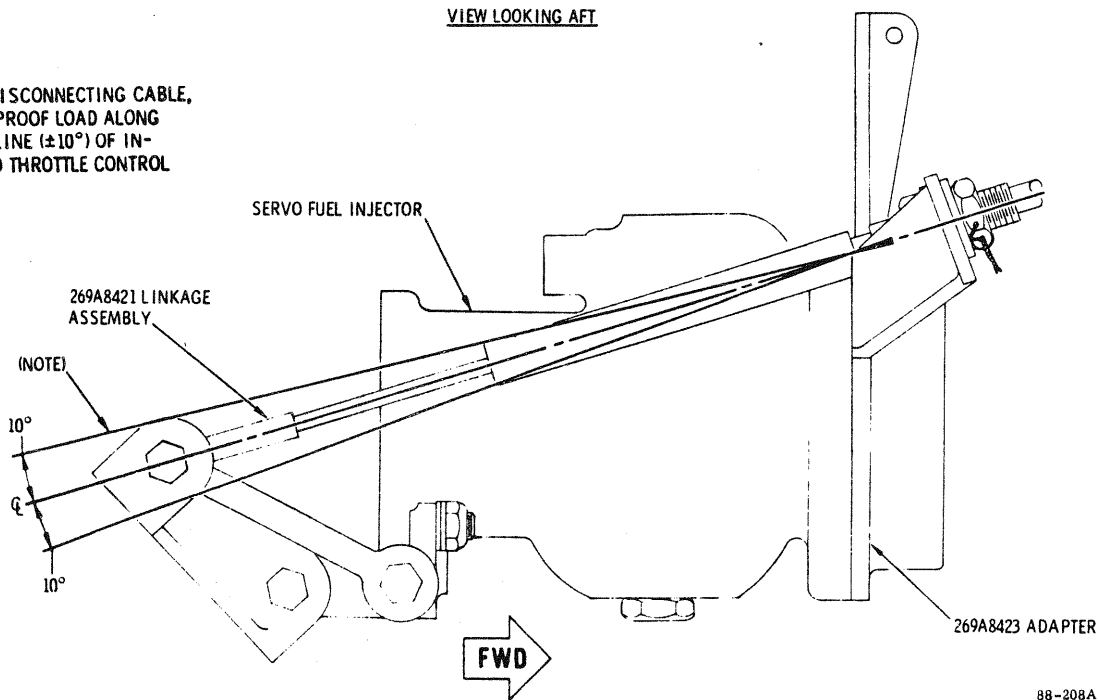
FAA APPROVED



VIEW LOOKING AFT

NOTE:

AFTER DISCONNECTING CABLE,  
APPLY PROOF LOAD ALONG  
CENTERLINE ( $\pm 10^\circ$ ) OF IN-  
STALLED THROTTLE CONTROL  
CABLE.



88-208A

Figure 1. Inspection - Throttle Control Cable Assembly

