



**HUGHES
SERVICE INFORMATION
NOTICE**

NOTICE NO. N-125

DATE 2 Jan 1975

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**SUBJECT: STATIC SYSTEM - LINE RESTRICTOR AND DRAIN FITTING
MODIFICATION KITS (M10094 AND M10094-3)**

MODELS AFFECTED: 269C Helicopters Serial No. 0001 through 0389

TIME OF COMPLIANCE: At owners and operators discretion

PREFACE: Part I of this Service Information Notice lists a procedure for (1) optional relocation of the static line restrictor fitting to a new position near the airspeed indicator, thus reducing the possibility of moisture entering the restrictor passage and plugging the static system, and (2) installation of a new drain fitting to provide a sump area and facilitate drainage of the static system when necessary.

Part II of this Service Information Notice lists a procedure for relocation of the restrictor fitting only.

Reference

269 Series - Basic HMI, Issued 1 April 1973; Revision No. 2, 1 January 1974

269 Series - HMI Supplement C, Issued 1 March 1973; Revision No. 3, 1 October 1974

Customer Service Department

PARTS LIST

For relocation of restrictor fitting and installation of new drain fitting, specify Modification Kit No. M10094 which consists of the following.

<u>Nomenclature</u>	<u>Part No.</u>	<u>Qty</u>	<u>Mfr</u>	
Union	A400-6	1	Crawford Fitting, Cleveland, Ohio	
Nut	AN818-4D	2	Commercial	
Washer	AN960-PD4	1	↑ ↓	
Rivet	MS20604-B3T1	1		
Pin, cotter	MS24665-172	1		
Chain	LW114-1-3	1		
Washer	AN960D716L	2		
Sleeve	AN818-4Z	2		
Nut	AN924-4D	1		
Cap	AN929A4	1		
Tee, bulkhead	AN804D4	1		Commercial

For relocation of restrictor fitting only, specify Modification Kit. No. M10094-3 which consists of the following.

<u>Nomenclature</u>	<u>Part No.</u>	<u>Qty</u>	<u>Mfr</u>
Union	A400-6	1	Crawford Fitting, Cleveland, Ohio

TOOLS AND EQUIPMENT

Gun, rivet
 Drill bit - #40

MATERIALS

Primer, zinc chromate

PROCEDURE

PART I - Relocation of Restrictor Fitting and Addition of Drain Fitting
 (Modification Kit No. M10094)

- a. Check that all electrical power is OFF; pay particular attention to MAG switch.
- b. Remove instrument panel fairing.
- c. Remove lower forward fairing.

d. Remove 269A8310 restrictor fitting from static tube at forward end of tailboom; remove tie-straps securing static tube to helicopter center frame.

NOTE

Existing nuts and ferrules for 269A8310 fitting may be used with A400-6 union; nuts and ferrules supplied with A400-6 union may be used to install 269A8310 fitting.

e. Remove existing plug in lower LH fuselage firewall; install new bulkhead tee in 0.490-inch hole. (See Figure 1.)

f. Install chain (with cotter pin attached) to firewall adjacent to and below tee, using rivet and washer as shown. Use #40 drill; install rivet with zinc chromate primer.

g. Install existing 269A8310 restrictor fitting by inserting the fitting into the 269A8328-19 static tube at new location behind instrument panel as shown. Rework length of -19 static tube as required .

h. Connect -19 static tube to forward port of bulkhead tee, using hardware as shown. Rework length of -19 static tube as required.

i. Install A400-6 union to static tube at forward end of tailboom.

j. Install -19 static tube to union and to aft port of bulkhead tee, using hardware as shown. Rework length of -19 static tube as required.

k. Secure static tube to helicopter center frame with tie-straps.

NOTE

Lowest part of static tube must be at connection to tee to allow for proper drainage.

l. Install cap on lower port of bulkhead tee and secure nut assembly to chain with cotter pin.

m. Check installation of restrictor and drain fittings and union for discrepancies.

n. Replace instrument panel fairing and lower forward fairing.

o. Perform flight test to check operation of altimeter and airspeed indicator.

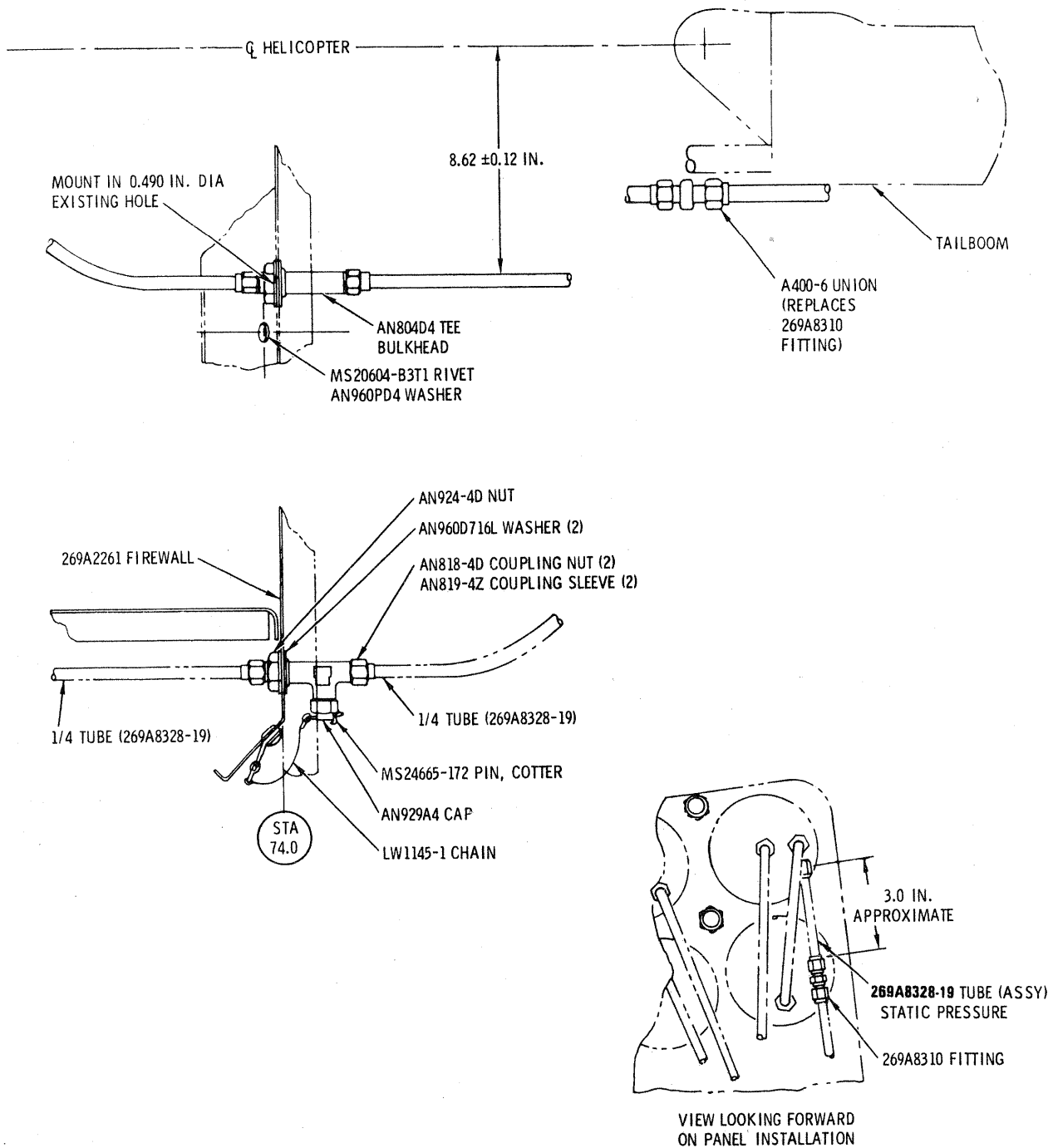


Figure 1. Static system - line restrictor and drainage fitting modification kits (M10094 and M10094-3)

p. Record installation of drainage fitting and relocation of restrictor fitting (Modification Kit No. M10094) in Compliance Record of helicopter Log Book.

PART II - Addition of New Drain Fitting Only
(Modification Kit No. M10094-3)

- a. Check that all electric and power is OFF; pay particular attention to MAG switch.
- b. Remove instrument panel fairing.
- c. Remove existing 269A8310 restrictor fitting from static tube at forward end of tailboom; replace with new A400-6 union as shown. (See Figure 1.)
- d. Install 269A8310 restrictor fitting to 269A8328-19 static tubes at new location at instrument panel as shown. Rework length of static tubes as required.
- e. Check installation of restrictor fitting and union for discrepancies.
- f. Install instrument panel fairing.
- g. Perform flight test to check operation of altimeter and airspeed indicator.
- h. Record relocation of 269A8310 restrictor fitting (Modification Kit No. M10094-3) in Compliance Record of helicopter Log Book.

WEIGHT AND BALANCE DATA

PART I and PART II: Weight and balance not affected.