



TECHNICAL BULLETIN

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REPLACEMENT OF PLENUM WALL FITTINGS – TORQUE PRESSURE GAGE TUBING AND ENGINE OIL PRESSURE GAGE TUBING

1. PLANNING INFORMATION:

A. Models Affected:

All Model 369H Series Helicopters equipped with PN 369A8010-665 or PN 369A8010-677 Tube Assemblies for Engine Oil Pressure Gage and Torque Pressure Gage*

B. Time of Compliance:

At owners and operators discretion

C. Preface:

Field reports indicate that breakage and damage to the reducer installed on the plenum chamber pan fitting has occurred during normal service or removal and installation of the engine oil pressure line. Installation of new type fittings is recommended for both the torque pressure gage line and engine oil pressure gage line, to facilitate removal and installation of the tube assemblies and preclude possible breakage and failure of the fittings.

*It is to be noted that PN 369A8010-665 and PN 369A8010-677 tube assemblies are single, continuous 3/16-inch OD nylon pressure lines extending from the instrument panel gage to the plenum chamber pan. Helicopters equipped with -665 or -677 tube assemblies may be reworked per this Notice.

Early model helicopters are NOT affected by this Notice if equipped with original two-section pressure lines, i.e. , forward section from instrument panel gage to engine air intake fairing, and center section from fairing to engine firewall. Refer to Basic

D. Weight and Balance:

Weight and balance not affected

E. Preface Publications:

500 Series - Basic HMI, Issued I October 1972; Revision No. 7, 15 October 1976

REPLACEMENT PARTS/SUPPLIES			
Nomenclature	Part No.	Qty.	Source
Union	ASI2-3XH2BZ-SS-T	2	HH

2. PROCEDURE

- (1). Check that all electrical power is OFF.
- (2). Remove left forward engine air intake fairing and left aft bulkhead access cover in cargo compartment. Refer to Basic HMI-Vol. I.

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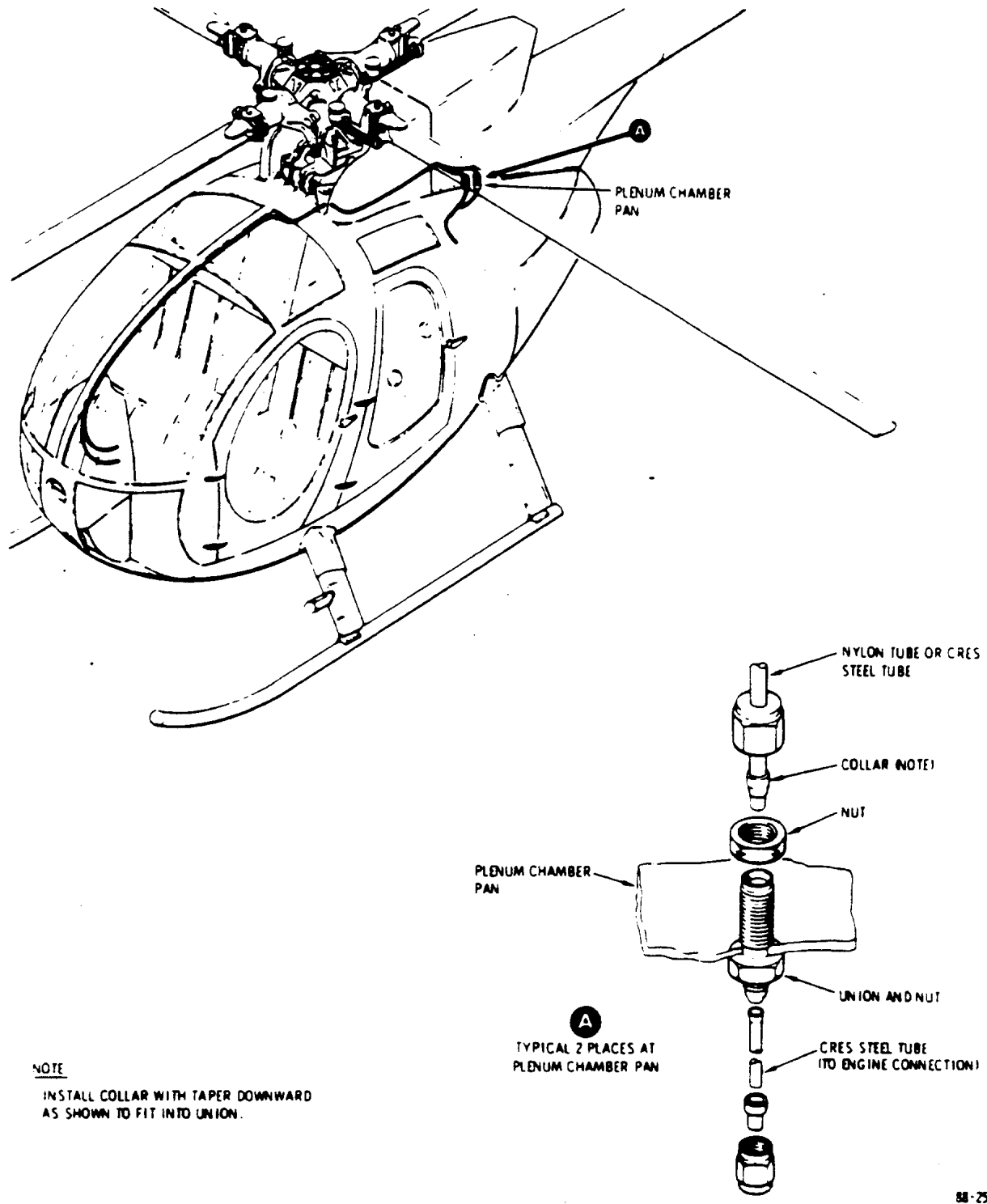
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- (3). Open LH engine compartment access door.
- (4). Disconnect pressure line nuts at forward and aft sides of both plenum chamber pan fittings. Cap pressure lines. Refer to Basic HMI.
- (5). Remove existing fittings (reducers and unions) from plenum chamber pan.
- (6). Install new AS12-3XH2BZ-SS-T fittings at plenum chamber pan, as shown in Figure 1.
- (7). Uncap lines and connect forward and aft sections of engine oil pressure and torque pressure gage lines to new fittings.
- (8). Check installation of new fittings for discrepancies.
- (9). Perform pressure and leak test of both lines between engine and gages at 200psi.
- (10). Bleed and service oil pressure lines, per basic HMI.
- (11). Close engine compartment access door. Reinstall aft bulkhead access cover and engine air intake fairing.

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Figure 1. Replacement Of Plenum Wall Fittings - Oil/Pressure Gage Tubing Torque.