



# 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:

500D Model 369D Helicopter Serial No. 0003D thru 0232D

#### B. Preface:

Field reports indicate that breakage and damage to the reducer installed on the plenum chamber pan firing 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 and the engine oil pressure gage lines, to facilitate removal and installation of the tube assemblies and preclude possible breakage or failure of the fittings.

#### C. Time of Compliance:

At owners and operators discretion

#### D. Weight and Balance:

Weight and balance not affected

#### E. Reference Publications:

500D Basic HMI-Volume I, Issued 15 September 1976; Revision No. 1, 15 November 1977

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

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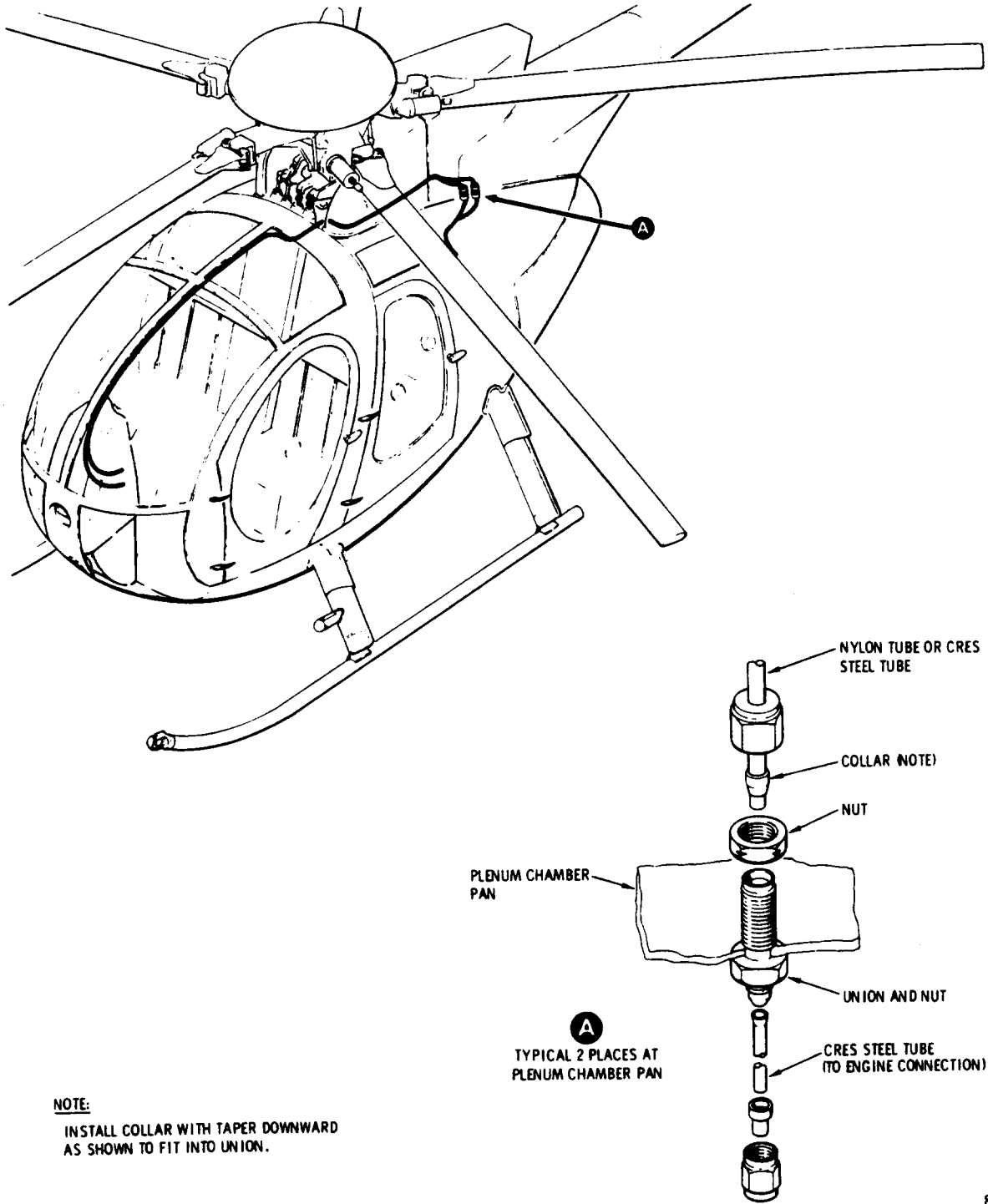
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## 2. PROCEDURE

- (1). Check that all electrical power is OFF.
- (2). Remove left forward engine air intake rafting, and left aft bulkhead access cover in cargo compartment. Refer to Basic HMI-Vol I.
- (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-Vol.I.
- (5). Remove existing fittings (reducers and unions) from plenum chamber pan.
- (6). Install new ASI 2-3XH2BZ-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 200 psi.
- (10). Bleed and service oil pressure lines, per Basic HMI-Vol I.
- (11). Close engine compartment access door. Reinstall aft bulkhead access cover and engine air intake rafting.

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**Figure 1. Replacement of Plenum Wall Fittings - Torque Pressure Gage Tubing and Engine Oil Pressure Gage Tubing**