



# SERVICE BULLETIN

DATE: 23 AUGUST 1971

PAGE 1 OF 4

**/// MANDATORY ////////////////////////////////// MANDATORY ////////////////////////////////// MANDATORY ///**

## NEW PRESSURE-ACTUATED SWITCH – AUTOMATIC ENGINE REIGNITION KIT INSTALLATION, P/N 369H90118–501 OR P/N 369H90140

### 1. PLANNING INFORMATION

#### A. MODELS AFFECTED:

All 369H Series Helicopters Equipped With Subject Automatic Engine Reignition Kits

#### B. PREFACE:

The information given in this Service Information Notice lists a procedure for replacing the existing P/N 369H92025-3 pressure-actuated switch on the automatic engine reignition kit installation with a new P/N 369H92040 switch, to improve reliability and operating performance of the engine relight system.

#### C. TIME OF COMPLIANCE:

Shall be accomplished when replacement of pressure switch is required.

#### D. WEIGHT AND BALANCE:

Weight and balance not affected

#### E. REFERENCE:

500 Series - Basic Handbook of Maintenance Instructions, Revised 1 June 1971

500 Series - HMI Appendix A, Revised 1 June 1971

**/// MANDATORY ////////////////////////////////// MANDATORY ////////////////////////////////// MANDATORY ///**

DATE: 23 AUGUST 1971  
PAGE 2 OF 4

# SERVICE BULLETIN

/// MANDATORY ////////////////////////////////// MANDATORY ////////////////////////////////// MANDATORY ///

## F. PARTS LIST:

REPLACEMENT PARTS/SUPPLIES			
Nomenclature	Part No.	Qty.	Source
Switch, Pressure—actuated	369H92040	1	HTC —AD
Packing	NAS617-3	1	Commercial
Splice, Knife	32445	4	Amp Inc.
Silicon Tubing, Varglass	No. 4, H-A-1	A/R	Varflex Corp.
Silicon Tubing, Varglass	No. 3/8, H-A-1	A/R	Varflex Corp.
Cord, Lacing	T-3333	A/R	General Cable Corp.

## 2. PROCEDURE

- Check that all electrical power is OFF; ensure that BATT-OFF-EXT switch is in OFF position.
- Disconnect battery.
- Open engine access doors.

**NOTE:** Note hazard label on exciter.

- Remove ignition exciter assembly, as follows, to gain access to work area:
  - Carefully disconnect spark ignition lead from ignition exciter.
  - Disconnect wire lead from exciter terminal.
  - Remove hardware securing exciter from engine.
- Cut existing wiring from P302 connector to existing 369H92025-3 (S-10) pressure actuated switch. (See Figure 1)
- Remove switch from ANF783C3 tee; discard switch.
- Install new 369H92040 pressure switch (S-10) on tee; use new NAS617-3 packing.

**NOTE:** Fire sleeves are provided and must be installed only on new switches having vendor (Meletron) serial numbers 1 through 132. Secure sleeve with Cres safety wire as shown in Figure 1.

- Splice new pressure switch lead wires to P302 connector wires as shown; tie No. 4 silicone tubing over splices. Cover full length of wiring from P302 connector to S-10 switch with No. 3/8 silicone tubing.
- Reinstall ignition exciter assembly; reconnect wire lead and spark igniter lead assembly to exciter. Loosen heater/engine tubing as required. Note hazard label on exciter.
- Connect battery.

/// MANDATORY ////////////////////////////////// MANDATORY ////////////////////////////////// MANDATORY ///

# SERVICE BULLETIN

DATE: 23 AUGUST 1971

PAGE 3 OF 4

**/// MANDATORY ////////////////////////////////// MANDATORY ////////////////////////////////// MANDATORY ///**

k. Perform the following ground function check of the automatic engine re-light system:

**NOTE:**

- Ensure that Auto-Reignition toggle switch is in OFF position before manually starting engine by normal procedures.
- Prior to check of automatic reignition system, bleed torque gage pressure lines. Also, pressure and leak test lines between engine and torque gage at 200 psi; refer to Section 17 of Basic HMI.
- If amber RE-IGN light illuminates when key switch is set to ON position, press face of indicator module to extinguish amber light.

1. Start engine and set torque pressure at approximately 40 psi.

2. Set toggle switch to ON position; the green ARMED light will illuminate, indicating that the system is in the armed mode.

3. Reduce engine torque pressure below 25 psi; the amber RE-IGN light will illuminate, indicating that the ignition exciter is energized.

4. Increase engine torque pressure to approximately 40 psi; press and release face of indicator module to extinguish amber RE-IGN light.

5. Set Auto Re-Ignition toggle switch of OFF position. 6. Shut down engine; close engine access doors.

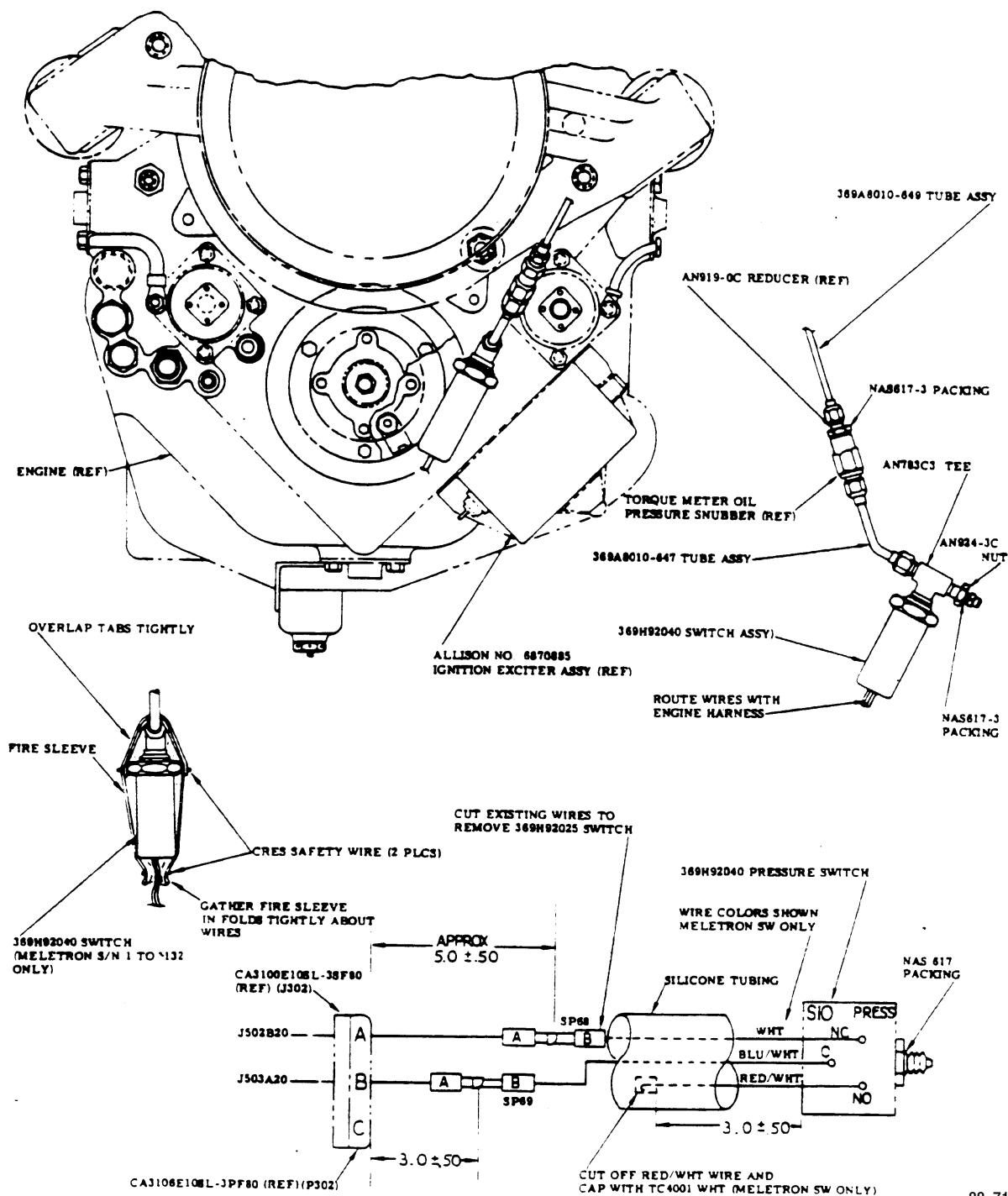
l. Record compliance with this Service Information Notice in Compliance Record of helicopter Log Book.

**/// MANDATORY ////////////////////////////////// MANDATORY ////////////////////////////////// MANDATORY ///**

**DATE: 23 AUGUST 1971**  
**PAGE 4 OF 4**

# SERVICE BULLETIN

**MANDATORY MANDATORY MANDATORY**



88-715

**Figure 1. Installation - 369H92040 Pressure-Actuated Switch, Automatic Engine Reignition Kits**