



# SERVICE BULLETIN

DATE: 15 FEBRUARY 1982

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## INSTRUMENT CLUSTER 3-PACK CONVERSION – AC TO ROCHESTER

### 1. PLANNING INFORMATION

#### A. Models Affected:

500 Model 369HS Helicopter, Serial No. 0411 through 08741

500 Model 369HM Helicopter, Serial No. 0248 through 0292

#### B. Preface:

The information given in this Service Information Notice lists a procedure for conversion from AC to Rochester instrument cluster 3-pack assembly. The AC instrument cluster 3-pack assembly is no longer available from the manufacturer. Therefore, when replacement becomes necessary, it must be replaced with a Rochester instrument cluster 3-pack assembly.

#### C. Time of Compliance:

Shall be accomplished at next replacement of instrument cluster 3-pack assembly.

#### D. Reference:

500 Model 369H Series Basic HMI, Publication No. CSP-H-2, Reissued 15 September 1981

#### E. Weight and Balance Data:

Weight and balance not affected

#### F. FAA Approval:

The resultant alteration to the affected Model 369H series helicopters, described by the kit installation instructions in this Notice, has been shown to comply with Federal Aviation Regulations and is FAA approved.

#### G. Parts/Supplies:

When ordering, specify Kit No. M30304-BSC (369HS) or M30304-501 (369HM) consisting of the following:

| REPLACEMENT PARTS/SUPPLIES       |               |      |            |
|----------------------------------|---------------|------|------------|
| Nomenclature                     | Part No.      | Qty. | Source     |
| Instrument cluster assy*         | 369D296305-21 | 1    | Rochester  |
| Instrument cluster assy **       | 423-042       | 1    | Rochester  |
| Resistor, R3 (1/8W, 121 ohm, 1%) | RN55C1210F    | 1    | Commercial |
| Clamp                            | AN742F4       | 2    | Commercial |
| *Component of M30304-BSC         |               |      |            |
| **Component of M30304-501        |               |      |            |

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## H. Materials:

| MATERIAL  |        |
|---|--------|
| Nomenclature  | Source |
| Sleeving, fiberglass, No. 4, MIL-I-3190, Class HA-I, 0.214 inch ID X 4.0 inches |        |
| Solder, QQ-S-571  |        |
| Trichloroethane 1-1-1, O- T- 620C   |        |

## 2. PROCEDURE

- (1). Turn off electrical power.
- (2). Replace resistor R3 as follows:
  - (a). Open engine compartment access doors. (Refer to Section Basic HMI)
  - (b). Locate existing resistor R3 in engine compartment, right-hand side. Remove and retain mounting hardware. (See Figure 1)
  - (c). Unsolder wires D505C20 and D510B20 from resistor R3 and discard resistor.

**NOTE:** Prior to soldering, thoroughly clean surfaces to be soldered with trichloroethane 1-1-1.

### WARNING

**Provide adequate ventilation when using trichloroethane 1-1-1.**

- (d). Install new resistor R3. Lap solder wires to resistor and cover with sleeving. (See Figures 1 and 2.)
- (e). Install clamps with hardware retained above. (See Figure 1)
- (f). Close engine compartment access doors.
- (3). Replace instrument cluster 3-pack assembly as follows:
  - (a). Remove instrument panel right side fairing (369H5). (Refer to Section 2, Basic HMI).
  - (b). Unplug connector J4.
  - (c). Remove and retain hardware attaching instrument cluster 3-pack assembly to instrument panel. Remove instrument cluster 3-pack assembly from instrument panel.
  - (d). Install new instrument cluster 3-pack assembly in instrument panel with hardware retained above.
  - (e). Reconnect connector
  - (f). Reinstall instrument panel right side fairing (369HS).
- (4). Turn on electrical power and check all instruments for proper operation.
- (5). Record compliance with this Service Information Notice in Compliance Record of helicopter Log Book.

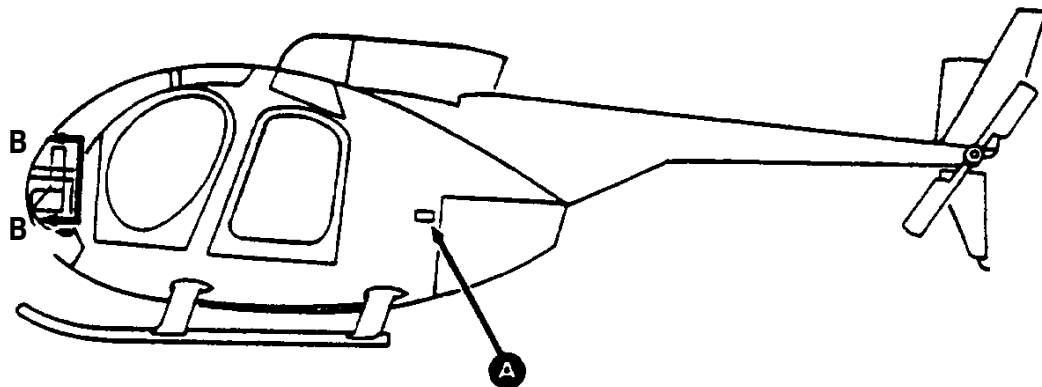
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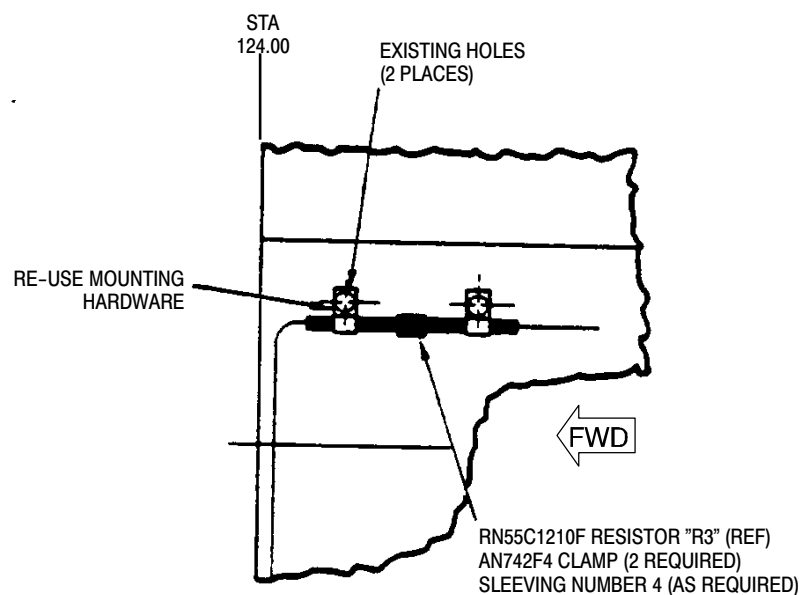
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EXISTING RESISTOR "R3" NUMBER 3730  
R.H. SIDE OF ENGINE COMPARTMENT



**Figure 1. Instrument Cluster 3-pack Conversion (Sheet 1 of 2)**

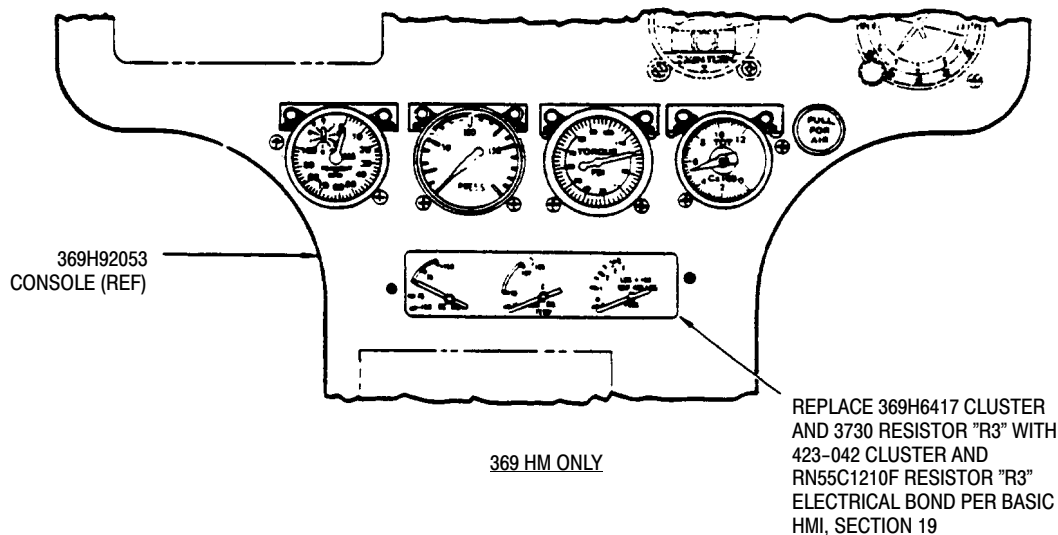
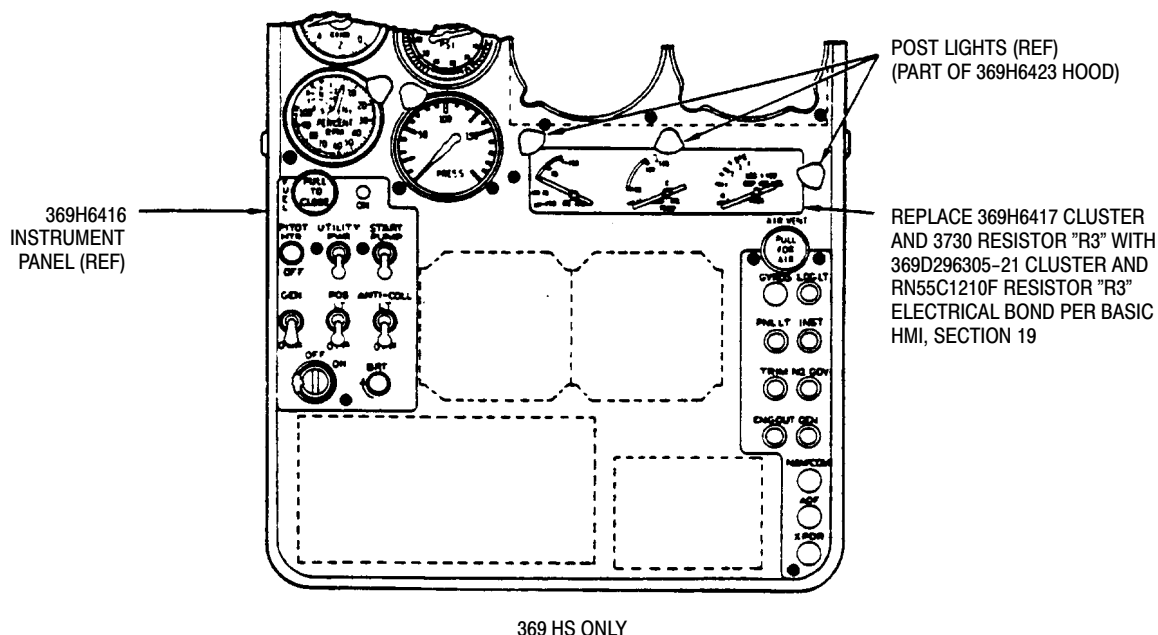
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SECTION B - B

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Figure 1. Instrument Cluster 3-pack Conversion (Sheet 2 of 2)

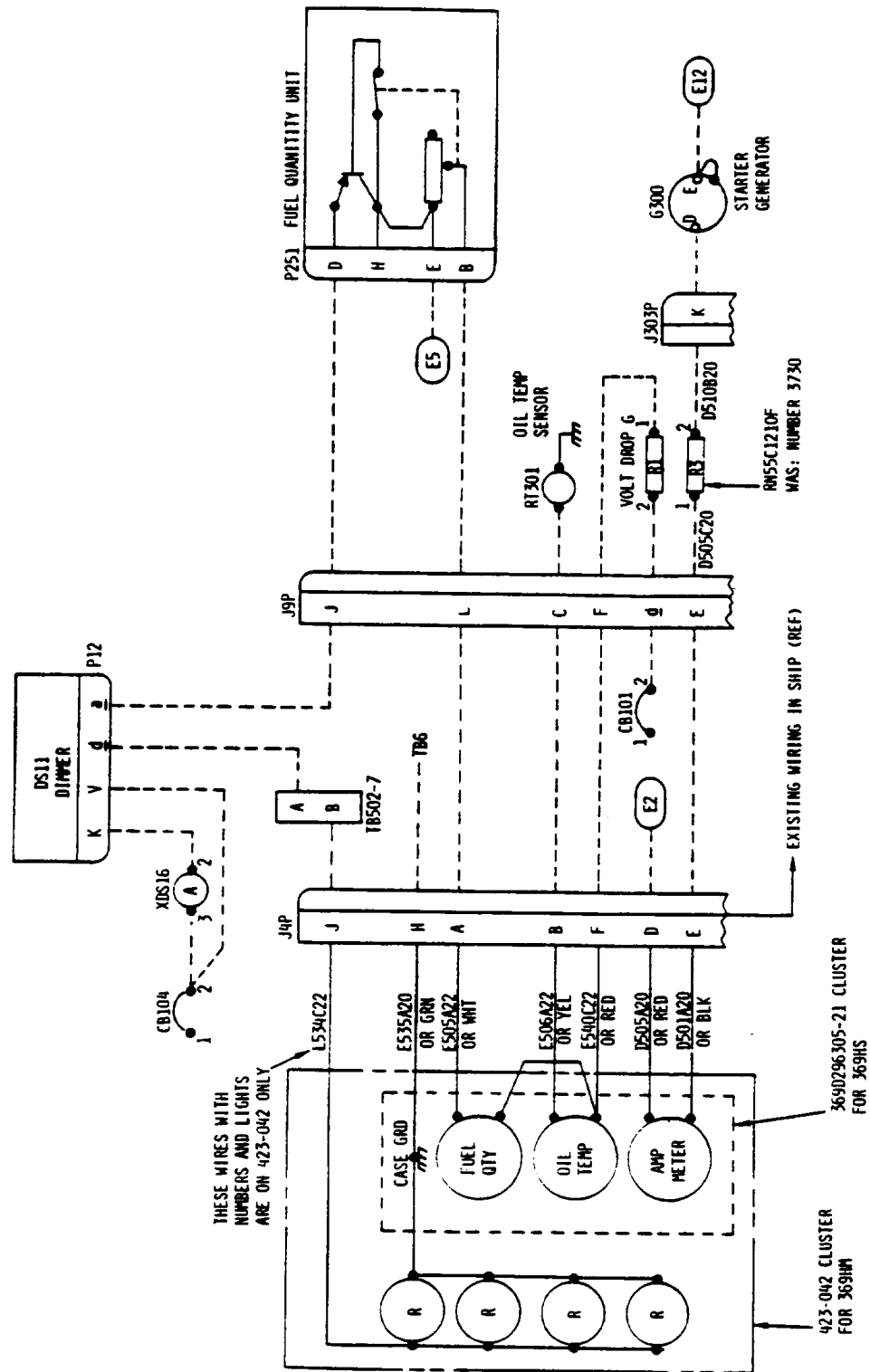
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Figure 2. Wiring Diagram

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