



SCHWEIZER SERVICE NOTICE

MANDATORY

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SUBJECT: IDENTIFICATION AND POSSIBLE REPLACEMENT OF RADIO COMMUNICATION RELAY

MODELS AFFECTED: All Model 269C Helicopters with Serial Numbers as listed below.

SERIAL NUMBERS AFFECTED: 1166 through 1201
1204
1205
1207 through 1214

TIME OF COMPLIANCE: Shall be accomplished within next 100 hours of helicopter operation.

REFERENCE: 269 Series - Basic HMI Reissued 15 March 1982.

PREFACE: On the affected helicopters an incorrect relay may have been installed in the KY196 Communication Radio Key line. This Service Information Notice provides a procedure to identify and replace (as required) the suspect relay. Failure to comply with this Service Information Notice could lead to a total loss of transmit capabilities.

PARTS LIST

<u>NOMENCLATURE</u>	<u>PART NO.</u>	<u>QTY</u>	<u>MFR</u>
Relay	M39016/6-128L	1	HI-G Co.
Shrinkable Tubing	FIT 105	A/R	Commercial

TOOLS AND EQUIPMENT

Soldering Iron with Heat Sink

Desoldering Tool

Heat Gun

3/16-inch wrench

MATERIAL

Solder

QQ-S-571

Commercial

PROCEDURE

- a. Remove right instrument console side cover (Figure 1) as follows:
 - (1) Loosen four screws along front edge of panel.
 - (2) Remove screw securing lower right hand corner (near canopy).
 - (3) Disconnect velcro at rear of panel.
 - (4) Remove right half of instrument console side cover.
- b. Locate the suspect relay mounted on the lateral support bracket (Figure 2).

CAUTION

Extreme care is required to avoid damaging or scratching the canopy when removing relay.

- c. Use wrench and screwdriver to remove two screws securing relay to lateral support bracket. (See Figure 2).
- d. Observe the markings printed on relay.

Markings on Incorrect Relay:

Markings on Correct Relay:

HFW1131G01
M39016/6-114L
160 OHMS 12-0 VDC
2A @28 VDC RES.

HI-G Co., Inc.
J2K-4730-128L
M39016/6-128L
26.5VDC, 700 Ω

- e. If the incorrect relay is installed, remove and replace the relay as follows:
 - (1) Mark wires attached to relay as shown in Figure 3.
 - (2) Remove shrink tube from wire connections.
 - (3) Using soldering iron and desoldering tool, disconnect wires from relay.
 - (4) Discard relay (M39016/6-114L).
 - (5) Install shrinktube on end of each wire.
 - (6) Using soldering iron and solder, connect wires to corresponding leads on M39016/6-128L relay (Figure 3).
 - (7) Slide shrink tube down to cover exposed leads.
 - (8) Use heat gun to contract shrink tube.

- f. Insert relay into support bracket and secure with screws and nuts. (See Figure 2.)
- g. Reinstall right instrument console thermoplastic side cover. (See Figure 1.)
- h. Record compliance with this Service Information Notice in Compliance Section of Helicopter Log Book.

WEIGHT AND BALANCE DATA

Weight and balance not affected.

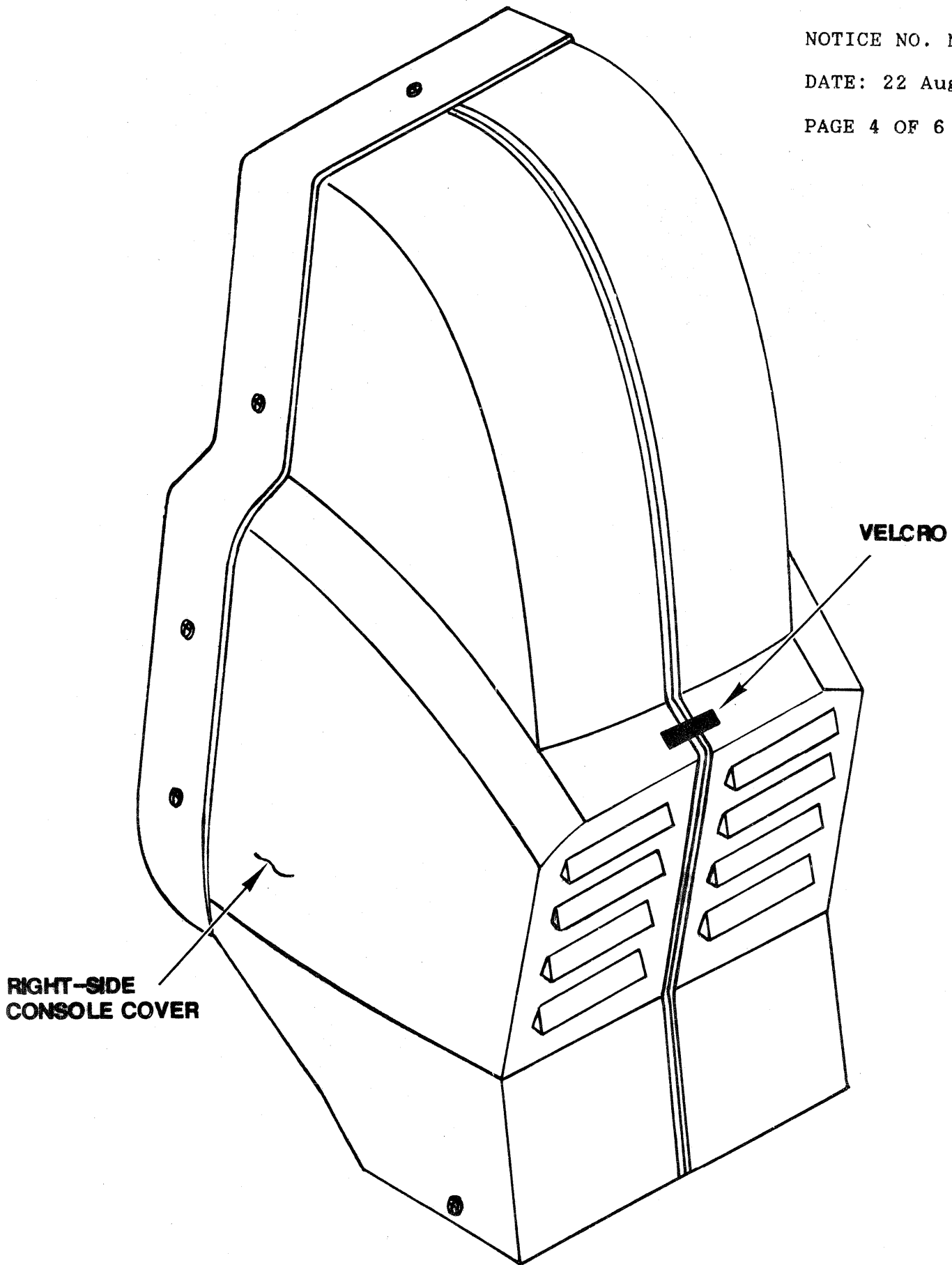
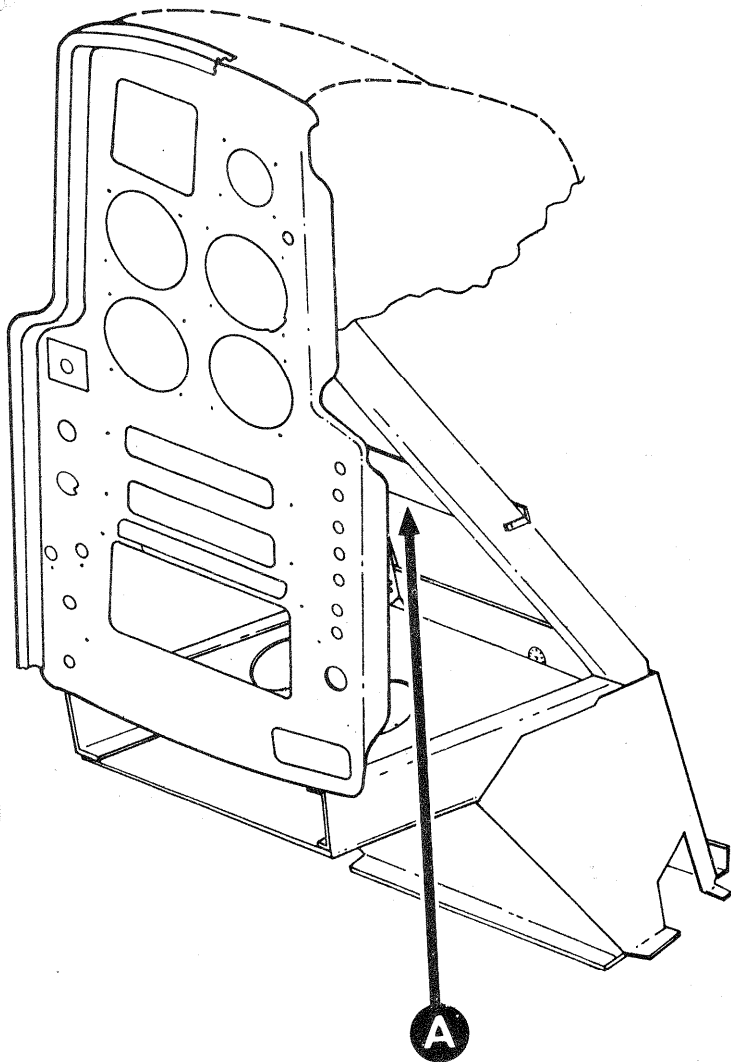
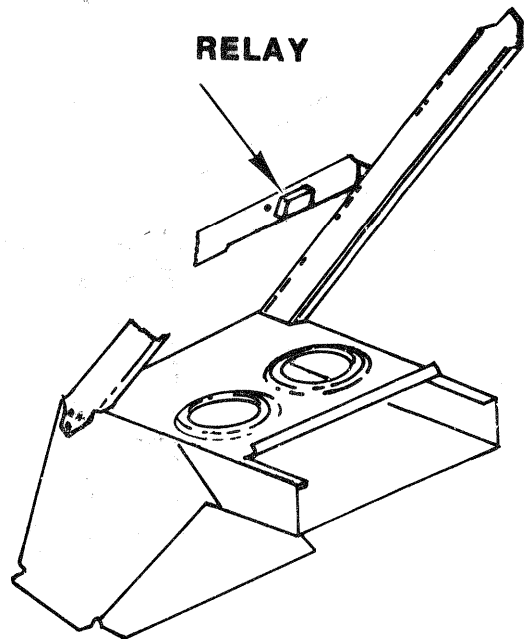


FIGURE 1 INSTRUMENT CONSOLE COVER



INSTRUMENT PANEL



DETAIL A.

FIGURE 2. RELAY LOCATION

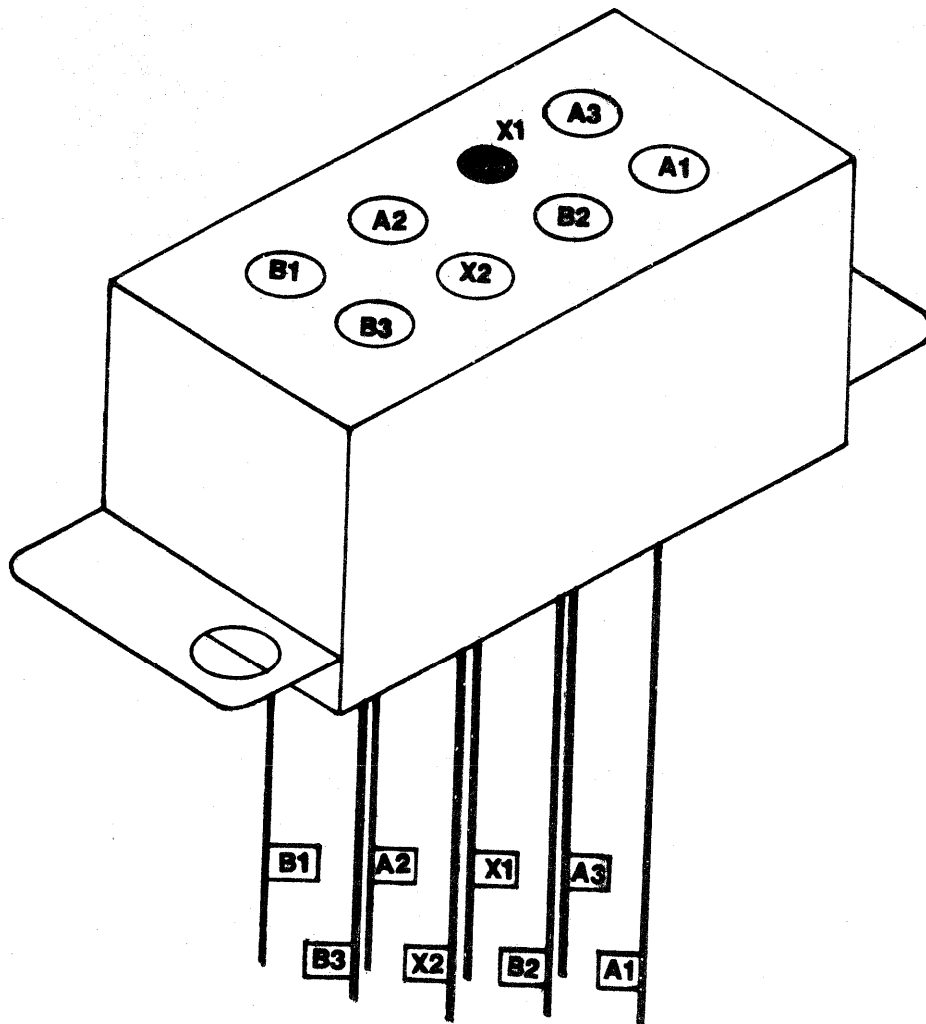


FIGURE 3. RELAY WIRING DIAGRAM