



SCHWEIZER SERVICE NOTICE

NOTICE NO. N-120

DATE 29 July 1974

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FAA APPROVED

SUBJECT: WIRING MODIFICATION - INTEGRATED DUAL COMMUNICATION
CONSOLE (ATI)

MODELS AFFECTED: Model 269C Helicopter Serial No. 0190 and Subsequent
equipped with both Searchlight Kit and Integrated
Communications Kit (Policepac)

TIME OF COMPLIANCE: Shall be accomplished within next 50 hours of helicopter
operation or at installation of additional searchlight unit,
whichever is sooner. Compliance is not required if
previously accomplished.*

PREFACE: The information given in this Service Information Notice lists a procedure
for replacing and rerouting electrical wiring in the ATI console on the
above affected Model 269C helicopters. The purpose of the modification
is to preclude the possibility of an electrical overload, particularly if a
additional light unit and/or radio equipment are installed.

*Check the Compliance Record of helicopter Log Book to determine if such
wiring modification has already been accomplished per this Service Information
Notice.

References

269 Series - Basic HMI, Issued 1 April 1973; Revision No. 2, 1 January 1974
269 Series - HMI Appendix A, Issued 1 April 1973

PARTS LIST

<u>Nomenclature</u>	<u>Description</u>	<u>Qty</u>	<u>Mfr</u>
Wire, 12GA	M/5086/2-12 (MIL-W-5086 Type II)	AR	Commercial
Wire, 10GA	M/5086/2-10 (MIL-W-5086 Type II)	AR	Commercial

PROCEDURE

- a. Check that all electrical power is OFF; pay particular attention to MAG switch.
- b. Remove instrument panel fairing.
- c. Locate and determine if jumper wire connecting INST circuit breaker and LDG LT circuit breaker at main bus bar is 18GA wire or 12GA wire.

NOTE

If 18GA wire is presently installed, replace with new 12GA wire (P50A12) as shown in Figure 1.

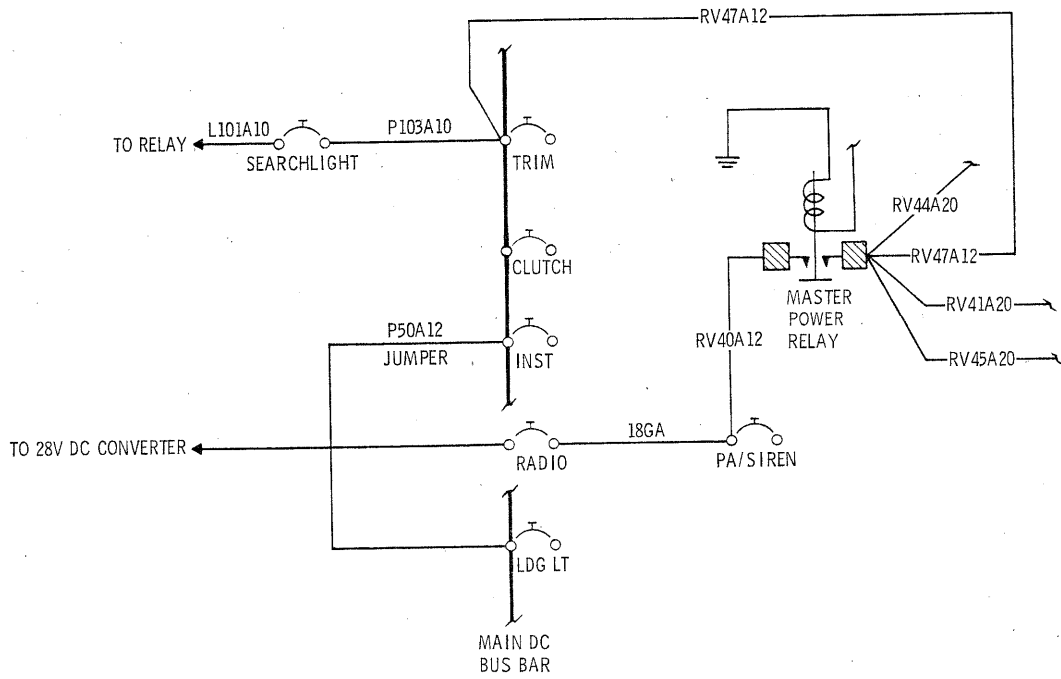
- d. Disconnect existing 12GA wire (RV47A12) from HEATER circuit breaker at main bus bar. Reconnect to TRIM circuit breaker at main bus bar as shown in Figure 1. Install new 12GA wire if length of existing wire No. RV47A12 is not sufficient.
- e. Check that existing 10GA wire (P103A10) from SEARCHLIGHT circuit breaker to main bus bar is connected to TRIM circuit breaker at main bus bar as shown. Install new 10GA wire if not installed as shown and length of existing wire No. P103A10 is not sufficient.
- f. Perform operational check of searchlight, landing light, and integrated communications systems.
- g. Reinstall panel fairing.
- h. Record compliance with this Service Information Notice in Compliance Record of helicopter Log Book.

CAUTION

If additional communications equipment (FM radio, transponder, etc.) is installed, be sure that proper gage wire and proper electrical bus source are selected for the amount of current required.

WEIGHT AND BALANCE DATA

Weight and balance not affected.



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Figure 1. Wiring Modification - Integrated Dual Communications Console (ATI)