



**HUGHES
SERVICE INFORMATION
NOTICE**

NOTICE NO. N-92

DATE July 6, 1971

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FAA/DOA WE-1-APPROVED

SUBJECT: RELOCATION - WARNING INDICATOR LIGHT, SEARCHLIGHT CONTROL HANDLE

MODELS AFFECTED: All Model 269 Series Helicopters Equipped With P/N 269A4333 Manually Operated Searchlight Kit (Extendable Type)

TIME OF COMPLIANCE: Shall be accomplished at or before next scheduled 100-hour periodic inspection

PREFACE: The information given in this Service Information Notice lists a procedure for removing the existing warning indicator light on the searchlight control handle, and replacing it with a new type indicator light located on the instrument console. The new warning indicator and console location are designed to reduce reflection and glare.

Reference

269 Series - Basic Handbook of Maintenance Instructions, Revised 1 May 1970
269 Series - HMI Appendix A, Revised 1 May 1970

CUSTOMER SERVICE DEPARTMENT • HUGHES TOOL COMPANY • AIRCRAFT DIVISION • CULVER CITY, CALIFORNIA

PARTS LIST

| <u>Nomenclature</u> | <u>Part No.</u> | <u>Quantity</u> |
|-------------------------|-----------------|-----------------|
| Decal | 269A4333-41 | 1 |
| Plug Button | SS51043 | 1 |
| Indicator Light (Amber) | MS25041-4 | 1 |
| Lamp | GE #330 (12V) | 1 |
| or | or | |
| Lamp | GE #327 (24V) | 1 |
| Butt Splice | 320559 | 1 |
| Wire, Electrical | #20 GA | A/R |

TOOLS & EQUIPMENT

Drill Motor - Portable

Drill Bit - #3/64 (0.469 in. dia.)

PROCEDURE

- a. Check that all electrical power is OFF; disconnect battery.
- b. Remove instrument panel side fairing.
- c. Drill 0.469 in. diameter hole in instrument panel at dimensions shown in Figure 1.
- d. Install MS25041-4 amber indicator light (with applicable 12V or 24V lamp) in instrument panel.
- e. Revise electrical circuitry as follows (See Figure 1, wiring diagram):
 1. Disconnect existing wire no. WHITE 9-20 from magnetic relay switch.

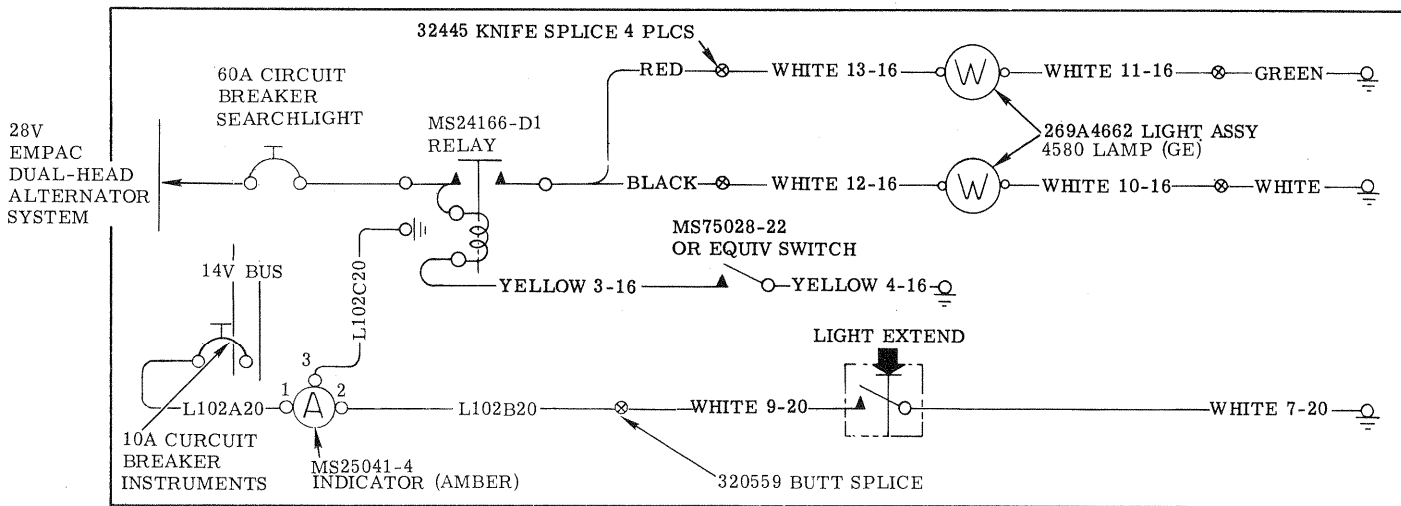
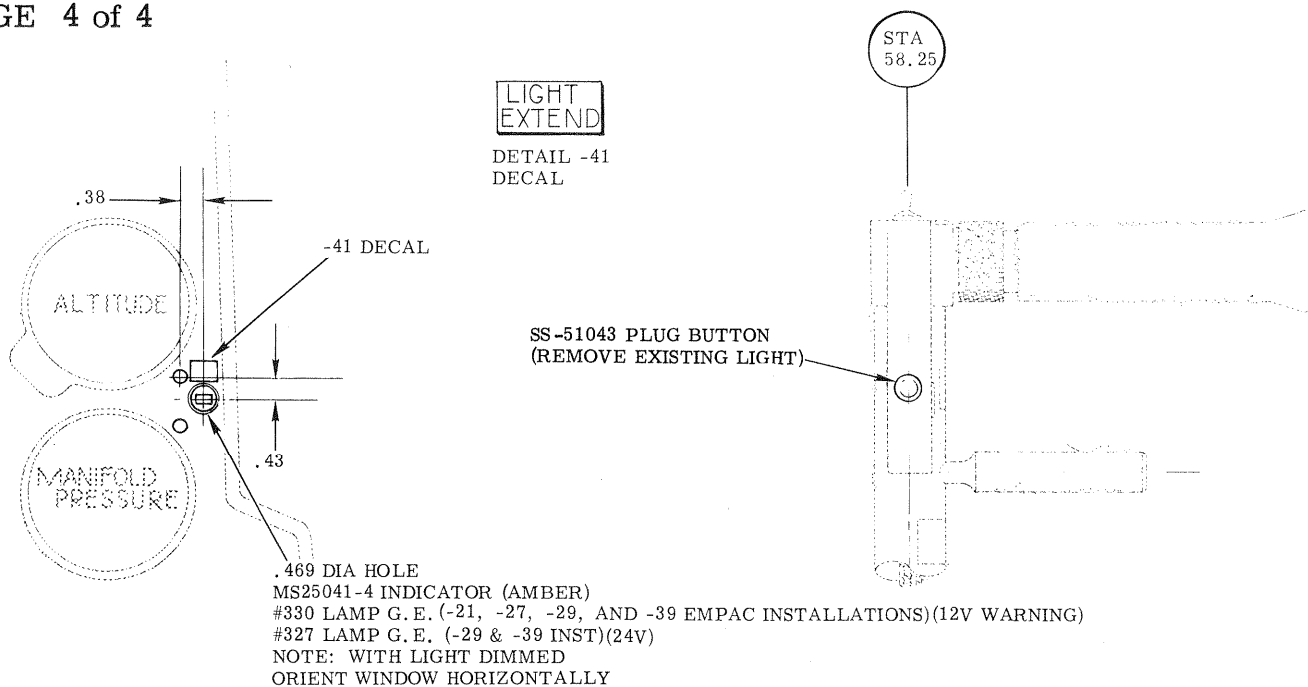
2. Connect new wire no. L102A20 to new indicator light terminal and to existing 10A instrument circuit breaker at bus.
 3. Connect new wire no. L102B20 to indicator light terminal and then butt splice to wire no. WHITE 9-20.
 4. Connect new wire no. L102C20 to indicator light terminal and to ground stud.
 5. Remove light block from searchlight handle; disconnect and remove warning indicator light from light block.
 6. Disconnect wire no. WHITE 8-20 from position indicator switch. Connect wire no. WHITE 7-20 to switch and to ground stud.
 7. Install light block on searchlight handle; install SS51043 plug button on light block.
- f. Install instrument panel side fairing; install new 269A4333-41 decal on instrument panel as shown.
- g. Connect battery.
- h. Perform functional flight test of searchlight assembly; check that warning indicator light on instrument console functions properly, when searchlight is in extended position.

NOTE

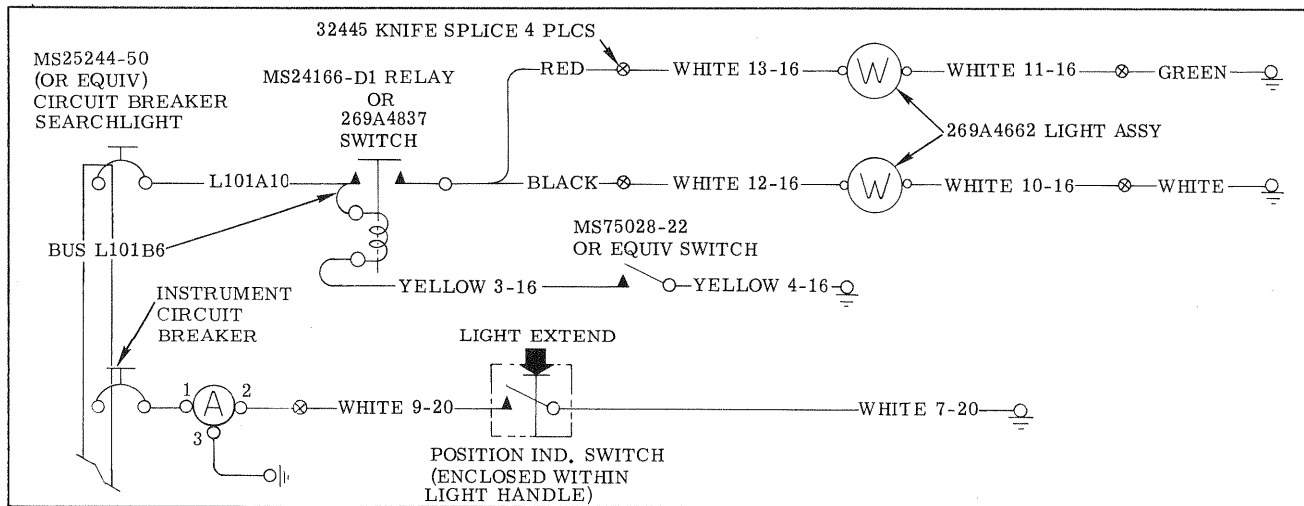
When dimming light, orient indicator window horizontally.

WEIGHT & BALANCE DATA

Weight and balance not affected.



WIRING DIAGRAM-269A4333-29 AND -39 SEARCHLIGHT CONFIGURATIONS WITH 28V EMPAC DUAL ALTERNATOR



WIRING DIAGRAM - 269A4333-21, -27, 29 AND -39 INSTALLATIONS

FIGURE 1. RELOCATION - WARNING INDICATOR LIGHT, SEARCHLIGHT CONTROL HANDLE.