



SCHWEIZER SERVICE INFORMATION NOTICE

NOTICE NO. N-169.1

DATE

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SUBJECT: ALTERNATOR OUT INDICATING LIGHT (269)

MODELS AFFECTED: All Model 269 Series Helicopters.

TIME OF COMPLIANCE: At owners and operators discretion.

PREFACE: The information given in this Service Information Notice lists a procedure for installation of an optional alternator out indicator light and related components and wiring. When alternator out indicator light is installed the operator must submit form 337 to his Local office of the FAA.

REFERENCE: Model 269 Series Basic HMI, Issued 1 April 1973,
Reissue No. 5, 1 February 1978

PARTS LIST

NOMENCLATURE	PART NO.	QTY	MFR
Relay	W388ACQX-2	1	Magnecraft
Lamp Assy*	BEP62ALP (28V) or BEP66ALP (12V)	1	Shelly Associates El Segundo, Ca.
Diode, zener**	1N5343	1	Commercial
Fuse, 1 amp***		1	Commercial

*Any microminiature lamp assembly may be used, voltage to be compatible with voltage of helicopter electrical system, lens, color to be amber

**Equivalent may be used. 7.5 volts, 5 watts minimum.

***May be an in line fuse.

MATERIALS

Wire, 20 gage, MIL-W-16878/4E-20

TOOLS AND EQUIPMENT

Drill motor, portable
Drill bit-No. 11.

INSTALLATION PROCEDURE

- a. Drill mounting hole for alternator indicating light as follows:
 1. Remove instrument panel fairing. (Refer to Section 14 of Basic HMI)
 2. Mark location of mounting hole for lamp assembly to right of ammeter between instrument cluster and circuit breakers.
 3. Place a cup made from masking tape on back of instrument panel where hole will be drilled.
 4. Drill a 0.191 inch hole in instrument panel. Use No. 11 drill. Do not penetrate tape.
 5. Remove tape and all chips. Remove any burrs and ensure that all burrs are collected and none fall into instruments or wiring.
 6. Install light assembly. Letter words ALT OUT next to light assembly using white paint or decal.
- b. Install W388ACQX-2 relay on forward side of 269A9915 beam to right of right hand T/R pedal support bracket.
- c. Install remaining components and wiring as follows: (See Fig. 1)
 1. Connect one lead of IN5343 zener diode to terminal B of W388ACQX-2 relay.
 2. Connect one terminal of 1 amp fuse to alternator terminal marked AUX. Connect other terminal of fuse to remaining lead of diode using 20 gage wire.
 3. Connect instrument circuit breaker (10 amp) to one terminal of lamp assembly. Connect other terminal of lamp assembly to terminal 7 of relay. Use 20 gage wire.

NOTE

ENSURE THAT ALL COMPONENTS AND WIRES INSTALLED DO NOT INTERFERE WITH OPERATION OF HELICOPTERS CONTROLS.

- d. Reinstall instrument panel fairing. (Refer to Section 14 of Basic HMI)

e. Test operation of alternator out indicating light as follows:

1. Open alternator switch or remove 1 amp fuse while engine is running and observe that light comes on.
2. Close alternator switch or replace 1 amp fuse while engine is running and observe that light goes out.

WEIGHT AND BALANCE DATE

Weight and balance not affected



