

INSTRUCTIONS FOR REPLACING A FRANKLIN MODEL 6A8-215-B8F ENGINE
(SERIAL NOS. 23001 TO 23500 INCL.) WITH A FRANKLIN MODEL
6A8-215-B9F ENGINE (SERIAL NOS. 23501 AND UP) ON A SEABEE

#241 = 23969



The following modifications must be accomplished on the Seabee when replacing a Franklin Model 6A8-215-B8F Engine serial Nos. 23001 to 23500 incl, with a Franklin Model 6A8-215-B9F Engine serial Nos. 23501 and up. All necessary parts are furnished with the engine in a kit. This kit is Republic spare part item 1531.

Electrical Changes

Sox RAC # 8

1. To eliminate radio noises due to the split ignition on Model 6A8-215-B9F engines it is necessary to install a Filter in the distributor circuit of the engine. This filter is to be mounted on the left hand side of the engine on a bracket on the ignition coil as shown on figure 1. The wire that went from the ignition switch to the left hand magneto is to be connected to the one side of the filter. In order to do this the fitting on the end of the wire that connected to the magneto must be removed and a 31398 terminal placed on the end of the wire in its place. One end of new wire furnished in the kit is to be connected to the other filter terminal and the other end to the low tension side of the coil.

2. The fitting on the right hand magneto lead must be removed and the fitting supplied on the new magneto installed on the end of this wire.

3. The ignition switch must be replaced with the new type furnished in the kit and this is to be wired as shown on figure 2. When installing this switch also replace the placard with the new one furnished. Please note the relocation of wire No. 8 on the circuit breaker as shown on the wiring diagram.

Propeller

1. On propeller cylinders which have four counterbored attaching holes, install 17P64055-1 spacers furnished in the kit in these holes.

This engine has a ball thrust bearing so that 2500 RPM may be used in reverse. Therefore remove reverse pitch limitation placard if this is one in the airplane.

<u>Parts Required:</u>	<u>Quantity</u>	<u>Part Number</u>	<u>Part Name</u>
	4	17P64055-1	Spacer
	3	17F82077-1	Nipple
	1	17F82094-1	Bracket Assy.
	1	17F82095-1	Clamp
	1	17F82002-80	Wire
	1	SK17-81054-1	Placard
	1	Item 1288	Switch
	1	Jx65A (Sprague)	Filter
	1	AN365-1032	Nut
	3	AN520-10-8	Screw
	1	AN742-14C	Clamp
	1	AN960-10	Washer
	2	AN960-416L	Washer
	1	31398 (Amp)	Terminal



STARTER IGNITION SWITCH

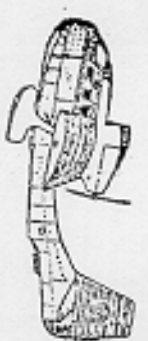
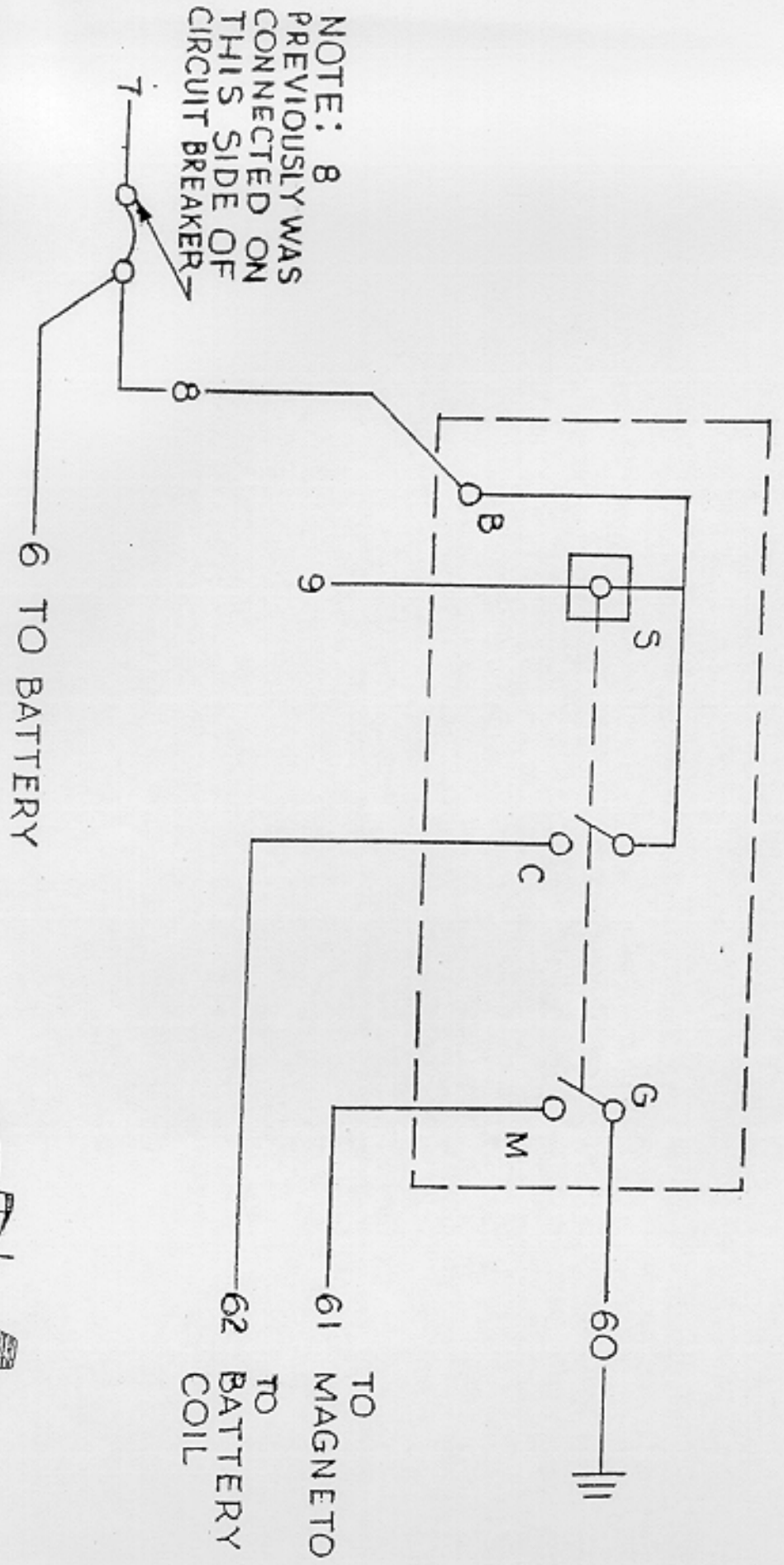


FIG. 2 INSTRUCTION No. 11, Page 2

AN 742-14C CLAMP
AN 520-10-8 SCREW
AN 365-1032 NUT
AN 960-10 WASHER

Rev 2 Per

JX 65A FILTER
SPRAGUE
17F 82095 CLAMP
AN 520-10-8
SCREW 2 REQ'D.
17F 82002-80
WIRE

17F 82094-1
BRACKET ASSY.

17F 82077-1
NIPPLE 3 REQ'D.

AN 960-416 L
WASHER 2 REQ'D.

CLEAN SURFACE
TO
BOND BRACKET

INSTRUCTION No. 11

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VIEW LOOKING FORWARD
L.H. SIDE ENGINE

