

PAR[®]

ELECTRIC WATER SYSTEM PUMP SWITCHES

KIT 37121-SERIES AUTOMATIC PRESSURE SWITCHES

REPLACEMENT INSTRUCTIONS

AUTOMATIC PRESSURE SWITCH
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GENERAL INSTRUCTIONS

This instruction sheet describes how to:

- (1) Replace a pressure switch in a "dash" -1000 series PAR water system pump (example: 36950-1000).
- (2) Install a conversion bracket and replacement switch in a pump with a dash number below -1000 (example: 36950-0000).

Refer to the tables below for replacement switch part number and procedure to use. For dash-number pumps below -1000 that are already fitted with a conversion plate, use the "direct replacement of pressure switch" procedure applicable to -1000 models.

Pump Models	Pressure Switch (Procedure A)	Pressure Switch Conversion Kit (Procedure B)
17510 36950 36800 36955 36850 36970 36900 37000 36905 37215	(-1000 & Higher) Use Kit # 37121-0010	(Below-1000) Use Kit # 37121-0000

Automatic pressure switch 37121-0010 directly replaces switches on all PAR water systems built to comply with the 1978 through present USCG electrical requirements.

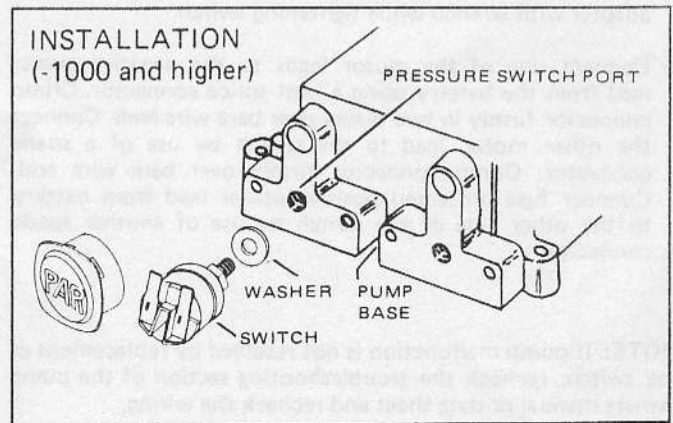
Procedure A AUTOMATIC PRESSURE SWITCH REPLACEMENT

Direct replacement of switch. No conversion kit required: Air compressor 17510 and water pump models that have dash number -1000 or larger (Example: 36950-1000).

NOTICE: TURN OFF POWER TO PUMP AND BLEED PRESSURE FROM SYSTEM. FAILURE TO DO SO COULD CAUSE LEAKAGE OF WATER DURING REPAIR.

1. Disconnect power leads from switch, and remove using 9/16" wrench.
2. If switch is connected to circuit with butt connectors, remove connectors from motor lead and (+ pos.) power lead and replace with spade connectors.
3. Moisten rubber side of washer with water. Thread washer onto switch threads with metallic side of washer facing switch.
Apply a thin film of sealing compound to the replacement switch threads. Keep compound clear of passageway hole.
4. Screw replacement switch into pump base until snug (Figure 1).
5. Reconnect switch leads using spade connectors.

(Figure 1).



**Procedure B
AUTOMATIC PRESSURE SWITCH REPLACEMENT**

Conversion kit required: Air compressor 37000 and water pump models that have dash number less than -1000. Example: 36950-0000. NOTE: If pump already has been fitted with conversion kit (Figure 3), use the direct replacement instructions, Procedure A.

NOTICE: TURN OFF POWER TO PUMP AND BLEED PRESSURE FROM SYSTEM. FAILURE TO DO SO COULD CAUSE LEAKAGE OF WATER DURING REPAIR.

1. Remove switch cover. Remove two lower screws inside case. Pull switch straight out to separate from pump. Dislodge O-ring and sleeve from pressure switch port on pump base. (Some older configurations may not have a sleeve.)
2. Inspect pressure switch port on pump base. If port is counterbored to accept an O-ring, proceed with step a. If port is not counterbored, proceed with step b.
 - a. Moisten small O-ring with water and place in counterbore of base. Take care to seat O-ring at bottom of counterbore. Place brass sleeve over stub of the conversion bracket.
 - b. Moisten small O-ring with water and place around stub of conversion bracket (brass sleeve not used).
3. Align conversion bracket mounting holes with those in base. Insert stub of conversion bracket into pump base with a smooth straight push. Secure conversion bracket to base with screws provided (Figure 2).
4. Moisten washer with water and thread onto switch with metallic side facing switch. Apply a thin film of sealing compound to the replacement switch threads. Keep compound clear of passageway hole. Screw replacement switch into conversion bracket tightly. Hold conversion plate adapter with wrench while tightening switch.
5. Connect one of the motor leads to the negative power lead from the battery using a butt splice connector. Crimp connector firmly in two places over bare wire ends. Connect the other motor lead to the switch by use of a spade connector. Crimp connector firmly over bare wire end. Connect fuse protected positive power lead from battery to the other side of the switch by use of another spade connector.

NOTE: If pump malfunction is not resolved by replacement of the switch, recheck the troubleshooting section of the pump owners manual or data sheet and recheck the wiring.

Figure 2

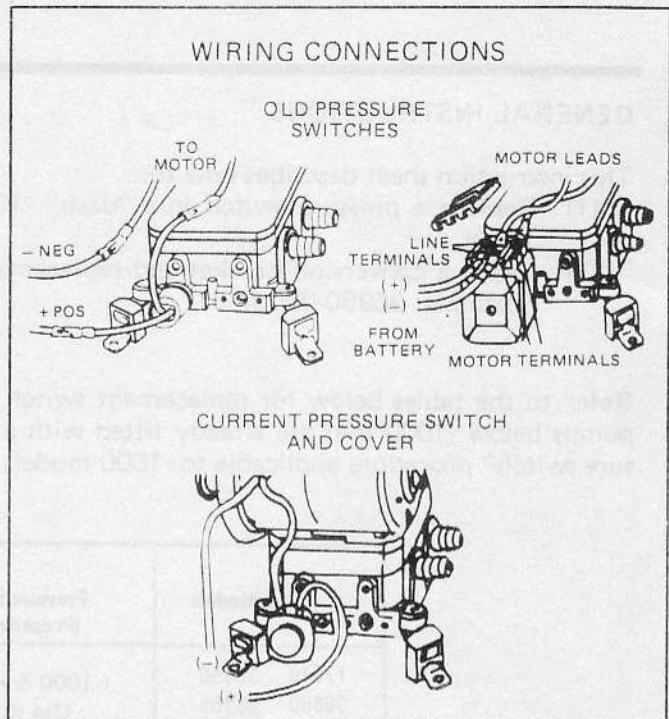
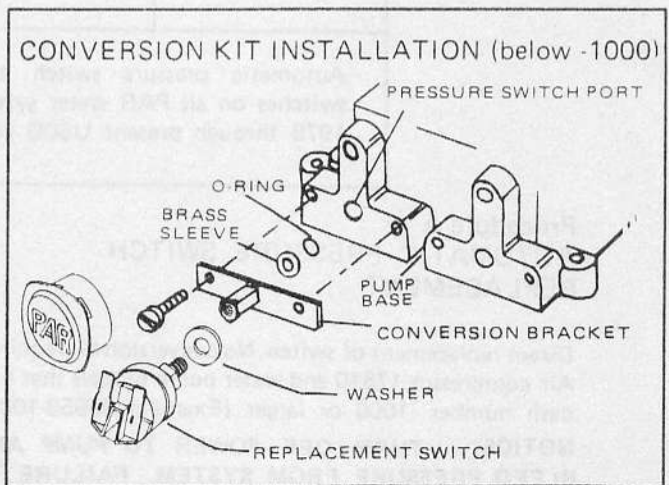


Figure 3



THE PRODUCTS DESCRIBED HEREIN ARE SUBJECT TO THE JABSCO® ONE YEAR LIMITED WARRANTY, WHICH IS AVAILABLE FOR YOUR INSPECTION UPON REQUEST.

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