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PUMPHEAD PROXIMITY SWITCHES

INSTALLATION AND IDENTIFICATION

UPPER PROXIMITY SWITCH - # 21947502
Black / White wires- Normally Open Contacts
Short plastic connector with female pins

LOWER PROXIMITY SWITCH - # 21947510
Black / Red wires- Normally Closed Contacts
Long plastic connector with male pins

Warning: Before attempting to remove, replace or adjust the proximity switches, all hydraulic pressure must be relieved from the pumphead by removing both hydraulic hoses.

When replacing a proximity switch, the depth it is screwed into the manifold block is critical. The distance between the manifold block and the line on the switch must be 1-13/16 inch. At 1-3/4 inch, the switch should be tight against the piston cushion and at 1-7/8 inch the switch will be adjusted out too far for it to work.

Tighten the first nut (jam nut) to 15 lbs-ft and then tighten the outer nut 17-22 lbs-ft.

The safest way to install and adjust these switches is as follows:

With the piston & shaft assembly all the way in the up position, turn the upper proximity switch all the way in until it makes contact with the piston cushion, then back it out 1/4 to 1/2 turn.

Tighten the nuts without moving the position of the switch.. Then move the piston & shaft assembly to the lowest position and repeat this process for the lower proximity switch.

Warning: Setting the proximity switch too far into the manifold block will cause major damage to the interior parts of the pumphead when power is applied. Be sure to follow the above directions precisely.

