



NEALCO EQUIPMENT, LLC

MAILING ADDRESS:

P.O. Box 279
Shippensburg, PA 17257
Phone: 717-532-2439 • Toll-Free: 866-351-6325 • Fax: 717-530-8158

SHIPPING ADDRESS:

One Schwenk Drive
Shippensburg, PA 17257-0337

PUMPHEAD PROXIMITY SENSORS

INSTALLATION AND IDENTIFICATION

UPPER PROXIMITY SENSOR - # 21947502

Black / White wires- Normally Open Contacts

LOWER PROXIMITY SENSOR - # 21947510

Black / Red wires- Normally Closed Contacts

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

When replacing a proximity sensor, the depth it is screwed into the manifold block is critical. The distance between the manifold block and the line on the sensor must be 1-13/16 inch. At 1-3/4 inch, the sensor should be tight against the piston cushion and at 1-7/8 inch the sensor 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 sensors is as follows:

With the piston & shaft assembly all the way in the up position, turn the upper proximity sensor all the way in until it makes contact with the piston cushion, then back it out $\frac{1}{2}$ turn. Tighten the nuts without moving the position of the sensor. Then move the piston & shaft assembly to the lowest position and repeat this process for the lower proximity sensor.

Warning: Setting the proximity sensor 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.

