



TIP SHEET

Replacement procedure for float switch, or fluid sensor, on horizontal hydraulic pump tank

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#82-L0508, Rev. 0A

FIGURE 1



CAUTION

Do not allow the float switch to drop into tank. Keep attached to harness, or hold on to the wires, until switch is removed or installed.

FIGURE 2



FIGURE 3



FIGURE 4



The following replacement procedure is for float switches, or fluid sensors, on hydraulic pumps with horizontal steel or plastic tanks.

Instructions

Removal of old switch

- 1) If tank is excessively full, lower jack legs until they contact ground.
- 2) Clean area around float switch.
- 2) Remove float switch nut and washer (Figure 1).
- 3) Hold onto wires and push float switch into tank to loosen grommet. (Figure 2) ****Use caution so that the float switch does not drop into the tank****
- 4) Remove old grommet from tank (Figure 3).
- 5) Carefully pull float switch out of reservoir, ensuring that float switch does not hang on tank wall (Figure 4).
- 6) Disconnect float switch from pump wiring harness.

Installation of new switch

- 1) Move grommet, washer and nut off fluid sensor threads and onto the wires.
- 2) Attach float switch to pump wiring harness.
- 3) Insert fluid sensor into the power unit tank (Figure 4). ****Use caution so that the fluid sensor does not drop into the tank****
- 4) Slide grommet into the hole such that the tank wall is located in the grommet groove (Figure 2).
- 5) Gently pull and wiggle wires to bring the thread of the float switch body out of the tank through the grommet hole (Figure 1)
- 6) While gently pulling on the wires, move the washer and nut onto the threads and tighten the nut until snug.
- 7) Hold fluid sensor with a 10mm open end wrench and torque nut to 15 to 20 inch-pounds.
- 8) Check fluid level with jacks retracted, and fill tank per procedure in owner's manual if needed. Refer to www.powergearus.com for manuals.

