

TECH TIPS

Service Call:

Outrigger(s) will not work

Tools Needed:

Multimeter

Model:

TZ34/20 & TZ50/30



Tech Tips Safety Rules



Danger

Failure to obey the instructions and safety rules in the appropriate Operator's Manual and Service Manual for your machine will result in death or serious injury. Many of the hazards identified in the operator's manual are also safety hazards when maintenance and repair procedures are performed.

Do Not Perform Maintenance Unless:

- You are trained and qualified to perform maintenance on this machine.
- You read, understand and obey:
 - manufacturer's instructions and safety rules
 - employer's safety rules and worksite regulations
 - applicable governmental regulations
- You have the appropriate tools, lifting equipment and a suitable workshop.

The information contained in this tech tip is a supplement to the service manual. Consult the appropriate service manual of your machine for safety rules and hazards.

Step 1

Verify that the hydraulic pump turns on, when the down function button is pressed.

- If it does not, the fault is not with the outriggers, please call for technical assistance at 1-800-536-1800.
- If it does turn on, proceed to step 2.



Step 2

Verify that the boom is down and clamped in its rest. If the boom is not in its rest, one or more of the boom limit switches will be open, which will be preventing the outriggers from functioning.

- Clamp the boom down and check for outrigger functions, if restored, return machine to service.
- If the boom is clamped down, and the outriggers still do not work, proceed to step 3.



Step 3

While attempting to operate the outrigger that will not move, unplug and check for voltage at the connector for the coil on the pressure-holding valve at hydraulic cylinder of that outrigger.

- If there is no voltage at the connector, the problem is within the control panel, please call 1-800-536-1800 for technical assistance.
- If there is voltage at the connector, proceed to step 4.



Step 4

Selecting the appropriate resistance scale on the multimeter, check for a resistance value of 27 to 30 Ohms, between the pins of the outrigger coil (shown on right).

- Higher or lower values would indicate shorted or open windings, and the coil would need replacement.

After replacement, perform a function test and return machine to service.

If you are still experiencing problems with the operation of this machine, please call for technical assistance at: 1-800-536-1800

