

# TECH TIPS

Service Call:

**Sudden loss of boom functions**

Tools Needed:

Multimeter  
Phillips screw driver  
9mm Nutdriver

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:**

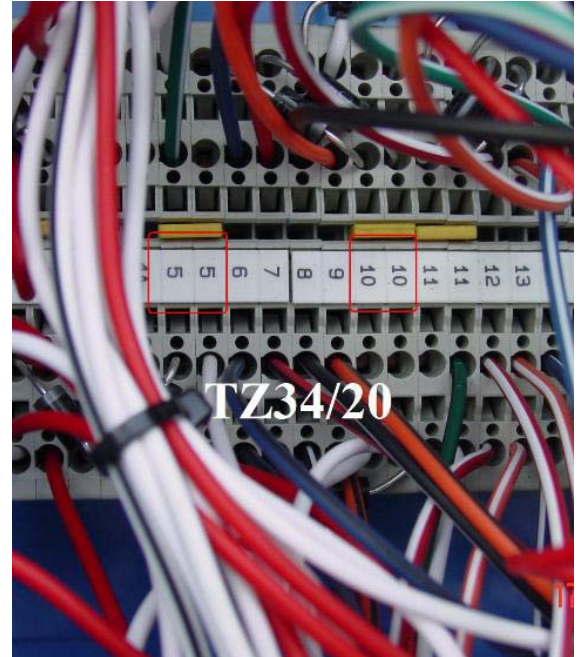
- You are trained and qualified to perform maintenance on this machine.
- You read, understand and obey:
  - manufacturer's instructions and safety rules
  - employer's safety rules and worksite regulations
  - applicable governmental regulations
- You have the appropriate tools, lifting equipment and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

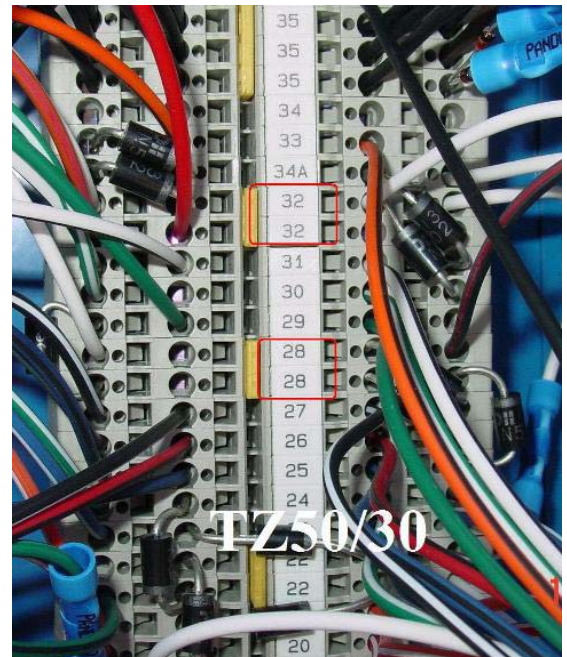
If one of the outrigger limit switches opens, all primary and secondary boom functions will be lost. With boom off it's rest the outriggers will not operate.

To confirm the existence of an open outrigger limit switch, open the ground control panel and check for continuity between terminals 5&10 on the TZ34/20, as per image on left.



## Step 2

Check the continuity between terminals 28&32 on the TZ50/30, as shown on left.



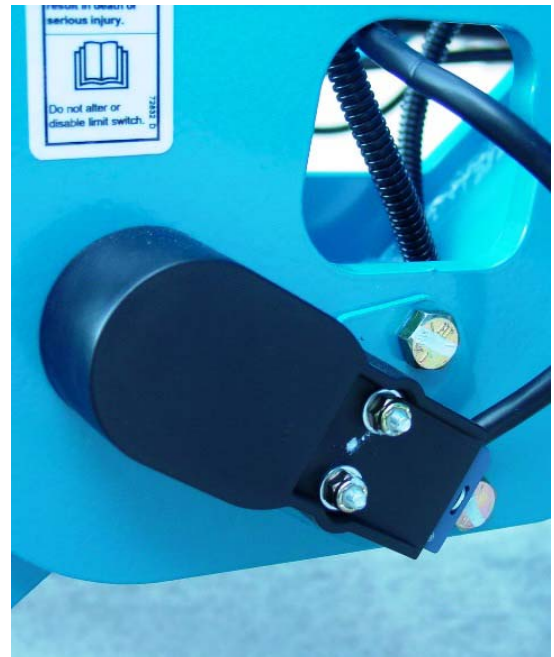
## Step 3

To determine which outrigger limit switch has the open contacts, you will need to do a continuity test between the red and red/white wires at the Deutsch connector on each outrigger.



## Step 3

After locating the outrigger with the open limit switch, remove the outer protective plastic cover (9mm nuts).



## Step 4

Examine limit switch and see if there is an obstruction or debris, preventing the black pin from sliding freely in its slot and away from the limit switch plunger, which would prevent it from fully extending.



## Step 5

Clean any debris or replace limit switch. Test for satisfactory machine functioning and return to service. If problem still exist call Genie 360 Service Department 1-800-536-1800.