

TECH TIPS

Service Call:

- **Loss of all functions and alarm sounding when the primary boom is lifted off its rest using the ground control panel.**
- **Works fine and alarm stops when power is switched to platform.**

Tools Needed:

3/8 wrench
#2 Phillips tip screwdriver
Continuity tester or Multi Meter

Model:

TZ34/20



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:

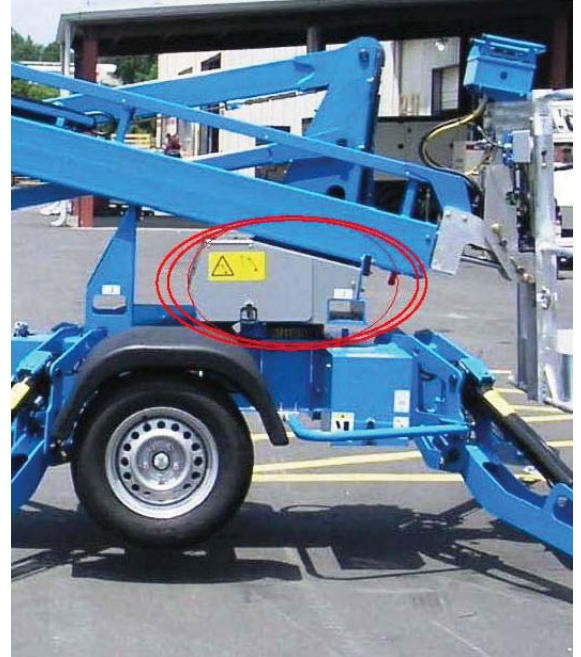
- You are trained and qualified to perform maintenance on this machine.
- You read, understand and obey:
 - manufacturer's instructions and safety rules
 - employer's safety rules and worksite regulations
 - applicable governmental regulations
- You have the appropriate tools, lifting equipment and a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

Set up the machine on its outriggers and verify that it is level.

- Unlatch and lift the primary boom up off its rest.
- Turn the power key switch to the off position to silence the alarm.



Step 2

The boom limit switches are mounted to the ceiling of the compartment, on the drivers side of the machine, see image in step 1.

1. Inspect the limit switches and clean the area of any debris, which may prevent the plungers from fully extending.
 2. Verify that both plungers are fully extended and not binding, if they are, clean the limit switch plungers and pivots with a non-residue electrical contact cleaner.
- If this fails to correct the problem, replacing the limit switches would be your only option, these are sealed units and not repairable. Proceed to step 3, for the correct way of doing this.

Note: If either step 1 or 2 above corrects the problem, stop here and return the machine to service.



Step 3

Replacing the boom limit switches:

- Remove the four machine screws and lock nuts, securing the limit switches and replace with assembly part number 105257, this consists of the two limit switches with attached harness and connector.



Step 4

Adjust the position of the limit switches:

- When the boom is down there should be continuity between the Red and White wires and NO continuity to the White/Black wire.
- When the boom is up there should be continuity between the White and White/Black wires and NO continuity to the Red wire.

This completes the installation of the limit switches, the machine should be fully functional now, return to service.

Note: If machine continues to malfunction contact the technical support department at 1-800-536-1800