

TECH TIPS

Service Call:

Loss of a joystick function from platform

Tools Needed:

7/16 wrench,
Volt Ohm meter

Model:

S40/45,Z60



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

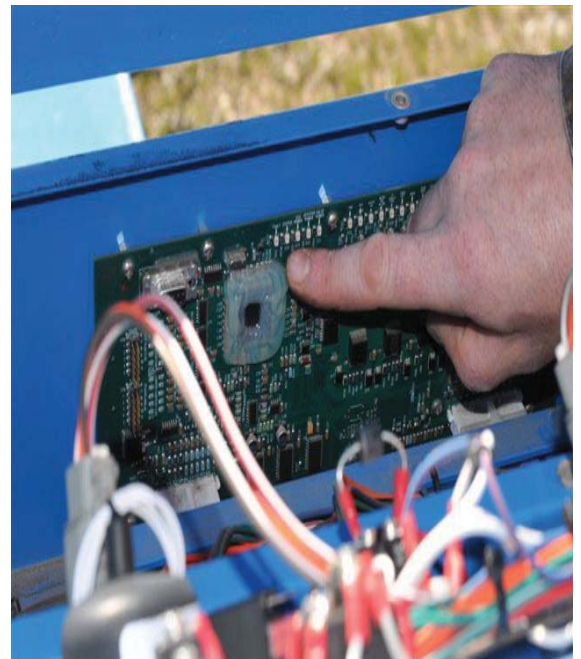
Pull out red e-stop button located at the ground control panel and turn key switch to platform.

Step 2

Pull red e-stop button located at platform controls. Step on foot switch and activate each joystick separately and check for fault codes on the red LED on the ALC 500 control card by counting the flashes. It will read two digit codes.

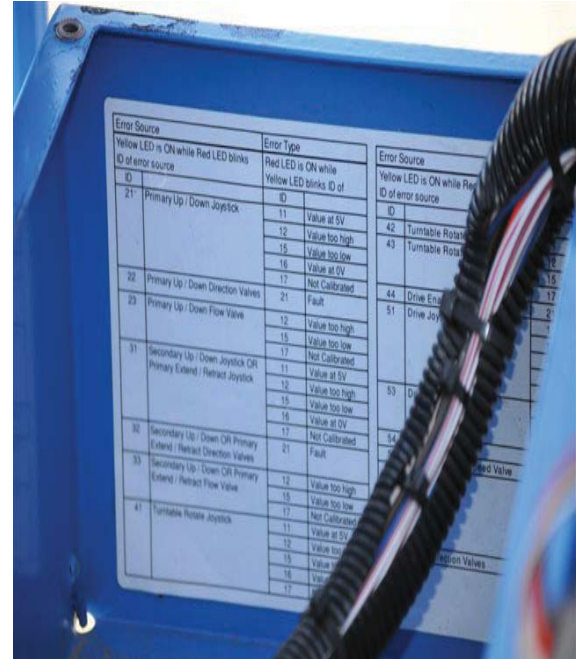
Then check the amber colored light just to the right of the red light. It will also read two digit codes.

To obtain the codes, you count the number of flashes of each of the lights. (red and amber)



Step 3

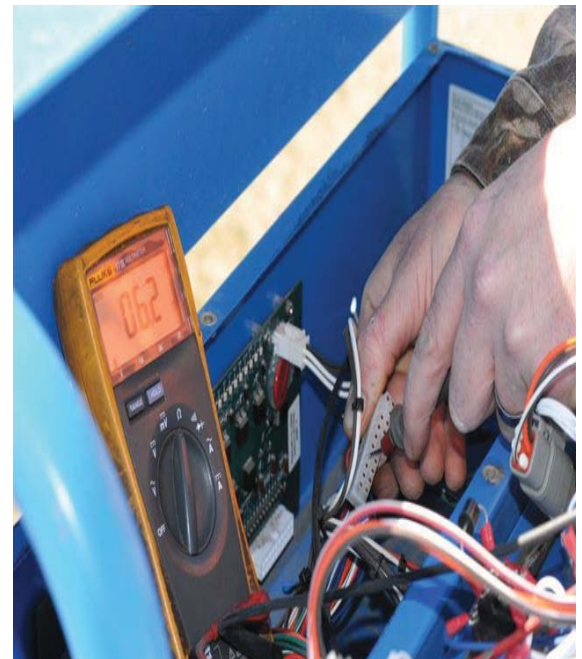
Locate decal in the right side of platform box and find the error type (red light flash count) and the error source (amber light flash count) to locate the circuit.



Step 4

Locate the large plug on the lower right hand side of the ALC 500 and unplug go to the circuit (see below) and with a small pin or paper clip probe that circuit. Use the red meter lead to paper clip and black lead to ground wires (brown) located at the left inner side of platform box. Select ohms, (the horseshoe symbol) it should read 5.5 to 6.5 ohms if not, repair the circuit.

- pin 6 red = primary boom up
- pin 7 rd/blk = primary boom down
- pin 8 rd/wh = up/down flow valve
- pin 9 wh/blk =swing right
- pin 10 white =swing left
- pin 11 wh/rd = swing flow valve
- pin 12 bl = secondary boom up
- pin 13 bl/blk secondary boom down
- pin 14 bl/wh = secondary boom flow valve



Step 5

After repairing the circuit test all functions for proper operation.

If the problem is not resolved, please contact Genie Industries Service Department. 1-800-536-1800