

TECH TIPS

Service Call:

**120V Belt Drive Generator Low
Voltage / No Voltage**

Tools Needed:

Multi Meter
7/16" wrench
Phillips screwdriver

Model:

S40,S60,S80,Z45,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

Key switch to platform controls

Verify upper and lower E-stops are pulled out

Start unit from upper controls

Generator toggle switch to the ON position

Using Multi meter test the platform GFCI for 120V AC

If no voltage is present proceed to Step 2

If voltage is low (under 110V AC) proceed to Step 8



Step 2

Verify platform GFCI is not tripped



Step 3

Verify ground GFCI is not tripped and that the generator plug is plugged into the outlet



Step 4

Verify generator belt is installed and properly adjusted

Follow cable from the generator back towards the grey junction box and verify that the 4 pin Deutsch plug is connected together



Step 5

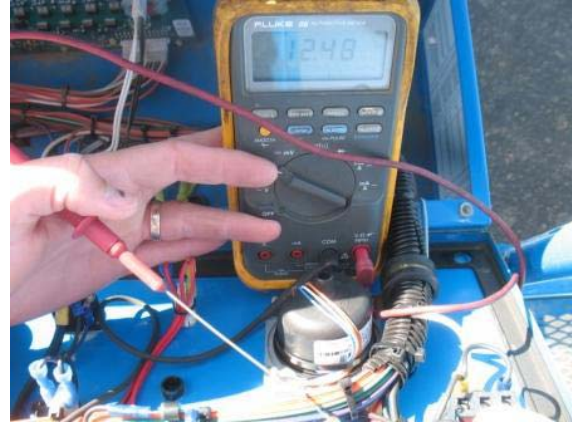
Using the 7/16" wrench remove the 6 1/4-20 fasteners from the platform control box lid

Locate the generator select switch and verify it is still in the on position

Using your multi meter verify that the green/white tracer wire has 12v

If voltage is present proceed to Step 6, if there is no voltage move your positive lead to the center post of the generator toggle switch. If 12v is present then replace toggle switch pn 56547

If 0v call Genie Industries 1-800-536-1800 for further assistance



Step 6

Locate green/white tracer wire spade connection by the black voltage regulator and the grey terminal box

Verify the spade connectors are connected and back probe using your multi meter to test for 12v

If 12v is present proceed to Step 7

If 0v is present call Genie Industries 1-800-536-1800



Step 7

Using your Phillips screwdriver remove the lid of the grey junction box and locate the relay inside

Using your multi meter test the red wire on terminal 30 for 12v

If 12v is present on terminal 30 test for 12v on the red wire of terminal 87 of the same relay

Proceed to Step 8 if 12v is present on terminal 87

If there is no voltage on terminal 30 or terminal 87 call Genie Industries 1-800-536-1800 for further assistance



Step 8

Locate the voltage regulator plug, it is a flat 5 pin plug at the bottom of the black voltage regulator



Step 9

Using your multi meter place your positive lead on the red wire of the voltage regulator plug and verify you have 12v

If 0v is present repair the wire from this plug to terminal 87 of the relay in the grey junction box

If 12v is present proceed to Step 10



Step 10

Using your multi meter place your positive lead into the far left terminal (this wire may be Black/White tracer or Black/Red tracer)

If voltage is above 10v proceed to Step 11

if 0v replace voltage regulator pn 60738 or if this is a new regulator call Genie Industries 1-800-536-1800 for further assistance



Step 11

Using your multi meter back probe with your positive lead into the 4 pin Deutsch plug going to the generator and test for voltage

If voltage is present call Genie Industries 1-800-536-1800 for further assistance

If 0v present check for loose connection in the grey junction block between the green wire from this plug which is being supplied power from the black/white tracer wire from the voltage regulator. (they are screwed down in the grey junction block together) Verify the pins are not pushed back in the 4 pin Deutsch plug.



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