

TECH TIPS

Service Call:

Electric Motor does not activate when all functions (except for down) are operated.

Tools Needed:

9/16" Wrench
Volt Meter

Model:

GS Scissors/GR's



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

Turn Key Switch to the off position
Push in the red Emergency Stop button to the off position at both the ground and platform controls

Open the battery tray and disconnect the main battery connector as shown in this photo.



Step 2

Open the Hydraulic tray and locate the DC electric motor.
Label the motor cables with the correct terminal designations,
and disconnect them from the motor using the 9/16" wrench.



Step 3

Using a volt meter with the setting on Ohm's, check the resistance between terminals D1 and A1. You should have continuity between the two terminal posts.

If there is no continuity between the D1 and A1 posts, replace the motor.



Step 4

Using the same Ohm setting on the voltage meter, check between terminal D1 and the case of the motor.

You should have an "Open Circuit". There should be no continuity between the post D1 and the case of the motor.

If you have continuity, replace the motor



Step 5

Using the same Ohm setting on the volt meter, check between terminal A1 and the case of the motor.

You should have an "Open Circuit". There should be no continuity between terminal A1 and the case of the motor.

If you have continuity, replace the motor.



Step 6

If after performing these troubleshooting steps on the motor and everything checks out OK, reconnect the cables to the proper terminals on the motor and reconnect the battery pack to the machine.

Note: At this time, refer to the Motor Controller Tech Tip to troubleshoot the motor controller.