

TECH TIPS

Service Call:

No Drive SEPEX Models. Voltage checks at SEPEX Motor Controller

Tools Needed:

Digital VOM
7/16 Wrench

Model:

Units with SEPEX



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.

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Step 1

Key switch to Platform and E-Stop pulled out



Step 2

Remove rear chassis cover to access SEPEX motor controller



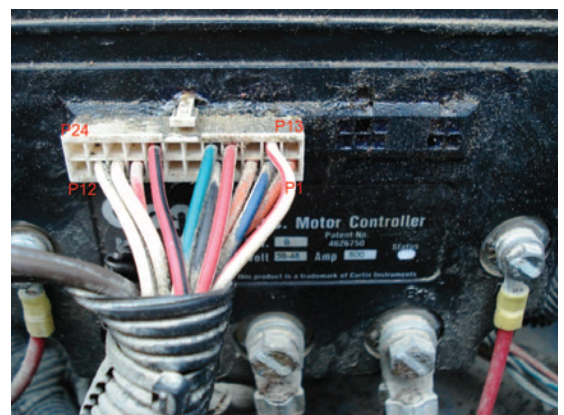
Step 3

Place negative of VOM to B- on motor controller. Check voltages at motor controller plug.



Step 4

Refer to picture for pin orientation.



Step 5

P1 48 volts (Key switch to Platform position) If no voltage then check Diode at the SEPEX plug

P9 48 volts (Key switch to Platform position) If no voltage then check 10 amp fuse in yellow fuse holder at PR1 contactor

P2 24 volt input from footswitch. If no voltage then check footswitch wiring

P3 24 volt input in stowed position / 0 volts in elevated or extended position. Voltage comes from limit switches, if no voltage then check limit switch wiring

P17 Provides ground to PR1 coil

P5 Pulsing ground to Status LED



Step 6

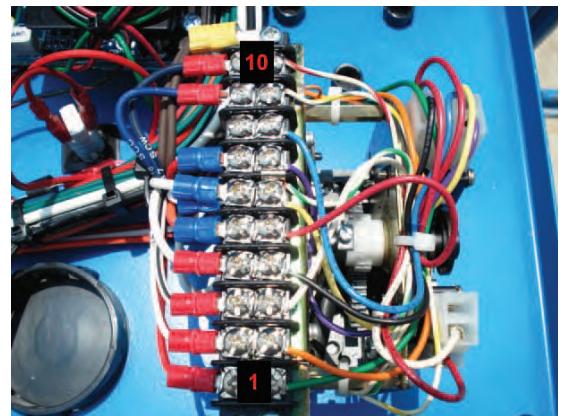
P16 ~3.5 volts when Drive Joystick is in neutral and drops to 0 volts at full stick forward or reverse. This is output voltage from the SEPEX to terminal 1 of joystick. If no voltage then refer to Service Manual for trouble shooting SEPEX motor controller

P14 ~0.2 volts. If no voltage then check for open wire to terminal 2 of Drive Joystick.

P20 Provides ground to CR5 coil to release the brakes when stroking the Joystick off center

P10 24 volt input from Joystick in Forward. If no voltage then check for open circuit to terminal 4 of Drive joystick

P11 24 volt input from Joystick in Reverse. If no voltage then check for open circuit to terminal 3 of Drive joystick



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If voltage displayed on VOM is different then specified in steps 5 and 6 then contact the Genie Industries Service Dept. at 1-800-536-1800 for further assistance.

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