

# TECH TIPS

Service Call:

**No Operations - Various Trouble Codes Pertaining to Can Bus including but not limited too: 71-11, 78-13, 77-13,63-16, 17-22, 58-13**

Tools Needed:

Volt-OHM meter, 7/16 wrench

Model:

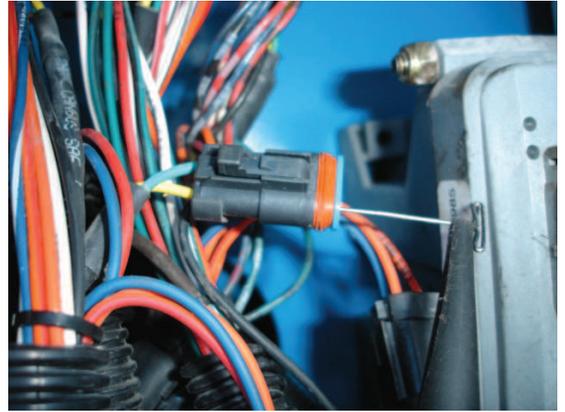
**Genie Z-40/23N &RJ**



## Step 1

Connect the Meter to the Can-Bus at the TCON, use the Can-Bus connection in Pic 1, Remove the Black Cover (the black cover will have one black wire connected to it, not shown) ground one lead of the meter to a good ground and put the positive lead to yellow can bus wire. You should read approximately 2.6 volts. Connect the lead to the green and you should get 2.1 volts. If you get these readings your Can-Bus reading is good. If you don't get the correct voltage reading proceed to step two. A good reading would show your TCON, VCON, PCON and Right Motor Controller are getting a good Can-Bus signal.

Proceed to step 6 and 7 to check OHMS if the readings are good.



## Step 2

To check the TCON unhook the gray Duetch connector at the TCON leaving the meter lead connected to the Can-Bus. Now check the voltage, if the voltage now goes to 2.6 and 2.1 volts the TCON is defective and requires replacement. If the voltage does not go to 2.6 and 2.1 proceed to step 3.



## Step 3

Remove the cover over the drive end of the frame. To check the Right Motor Controller with the meter lead still connected to the Can-Bus At The TCON location unhook the Duetch connector at the Right Motor Controller. If the voltage does not go to 2.6 and 2.1 the Motor Controller is not defective. Proceed the Step 4.



## Step 4

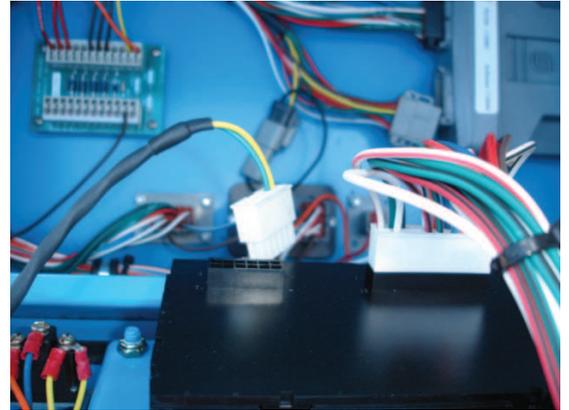
To check the PCON with the meter still connected to the Can-Bus at the TCON location unhook the gray Duetch Connector at the PCON. If the voltage goes to 2.6 and 2.1 the TCON is defective. If not proceed to step 5.



## Step 5

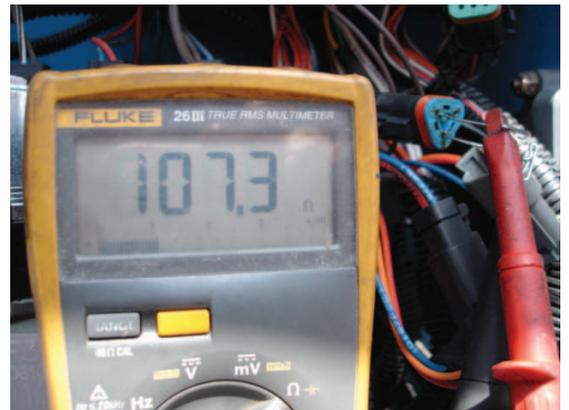
To check the VCON (display module at the platform) with the meter still connected at the TCON location unhook the Can-Bus at the VCON. If the voltage goes to 2.6 and 2.1 the VCON is defective.

If all readings are good proceed to step 6 and 7 to check the OHMS readings.



## Step 6

With the TCON, PCON, VCON and Right Motor Controller connected to check the OHMS of the Can-Bus put the meter in OHMS mode and check between the Green and the Yellow wires on the Can-Bus connector located close to the TCON location. The OHMS should read approximately 107.3 OHMS if all connections are good. If this reading is good proceed to step 7



## Step 7

With the TCON, PCON, VCON and Right Motor Controller connectors containing the yellow and green Can Bus disconnected check the OHMS at the Can-Bus Connector located in close proximity to the TCON as pictured. The OHMS should read approximately 120.9.

If all readings are as described the Can-Bus signal and wiring is good.

If you require further assistance please contact Genie Industries @ 1-800-536-1800.



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