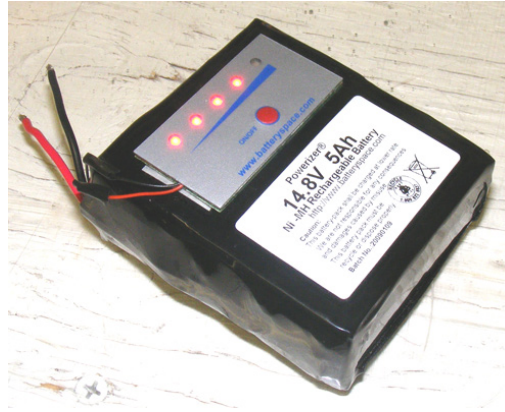


Technical Support Information

How to replace new fuel gauge for Li-Ion Battery pack



AA Portable Power Corp (<http://www.batteryspace.com>)

Address: 860 S, 19th St, unitA, Richmond, CA, 94804

Tel: 510-525-2328

Fax: 510-439-2808

Email: Sales@batteryspace.com

Prepared & Approved by Louis (04/02/09)

Tools & Accessories

1. Polymer Li-Ion Battery pack with Fuel gauge: 14.8V 5000mAh
2. Fuel Gauge for PCB of 14.8v Li-Ion Battery Pack (4 cells pack, 2 pin female JST connector)
3. Digital Multi Meter
4. Crimp
5. Soldering Iron Gun
6. Black tape

DIY Instruction

- Check the battery pack voltage before replacing a fuel gauge as picture1 below.
(Due to internal short circuit by fuel gauge, V out should be around 0.0V-0.5V)



Picture1

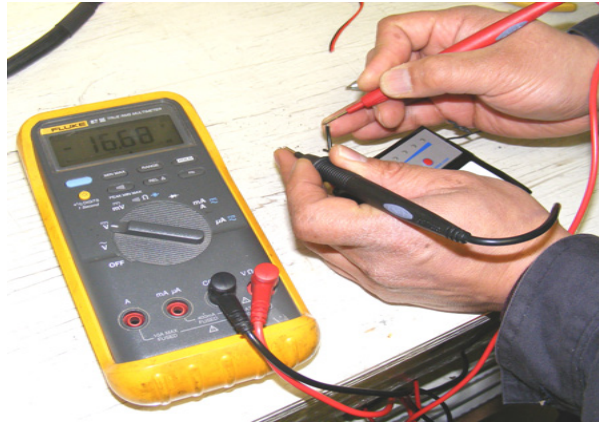
- Disconnect the Fuel Gauge's Black Wire by a crimp tools as picture 2 below



Picture2

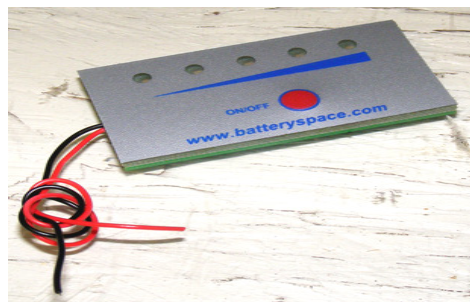
- Check the pack's voltage after disconnect the Fuel Gauge's Black Wire. The pack's voltage should be approximately 14.8V-16.68V for 4 cells pack

Tip: The pack's voltage could be range from pack's working voltage(the number of cells x 3.7V) to pack's peak voltage(the number of cells x 4.2V)



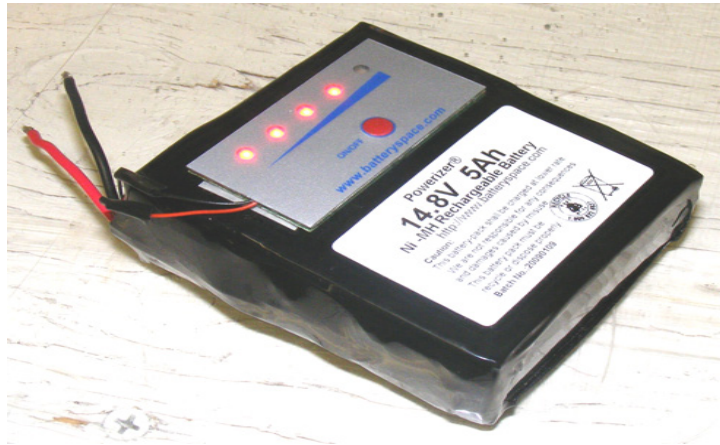
Picture 3

- Disconnect the Fuel Gauge's Red Wire and remove previous fuel gauge.
- Disconnect the New fuel gauge's 2 pin JST connector for Red & Black wire end as picture 4&5.



Picture 4 & 5

- Connect New fuel gauge wire to previous fuel gauge wire.
 - Solder the New Fuel Gauge's Red Wire to previous Fuel Gauge's Red Wire.
 - Solder the New Fuel Gauge's Black Wire to previous Fuel Gauge's Black Wire.
- Locate Black tape on both soldering spot as shown on final picture 6.



Picture: 6