

Battery Care and Maintenance for the Minehound VMR-2

Lithium Polymer battery for the VMR2 Minehound



Inspect the battery for defect and broken or missing parts.

Broken Tab on battery



This battery is still usable but it will not make good battery contact and therefore may cause problems. Field Expedient method of securing the battery to the minehound could be used in an emergency but it would be better to turn it in to the FSR's and get a new one. (See Contact page for Information)

Warning label



Notice the charging temperature of the battery between 0 and 40 degrees Celsius, That's 32 to 104 degrees Fahrenheit. Let the battery cool on its own before recharging and only charge if the temp is between 32 to 104 degrees Fahrenheit. If it's too hot to touch or hold for any amount of time let it cool, then recharge fully. Full charge should take about 5 hours...follow the directions in the manual. If battery life continues to be less than 4 hours, contact an FSR for a new one. (See Contact Information below)

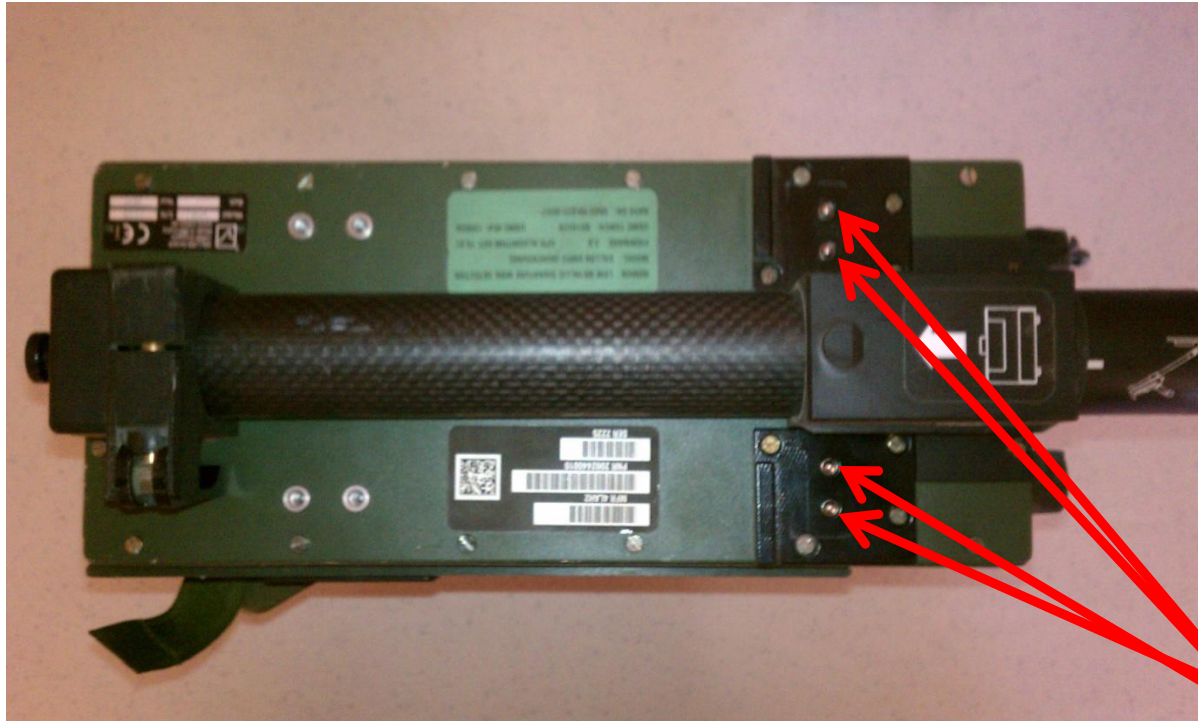
Check Battery Contacts on battery for dirt or corrosion.



Use a No# 2 pencil eraser and clean contact of all debris. Then use **canned air** and a clean cloth to wipe the contacts off. Do not use any sandpaper or any material to reduce the thickness of the contact metal. This could lessen the contact tension between the battery and the Minehound.



Inspect Battery Contacts on the Minehound body



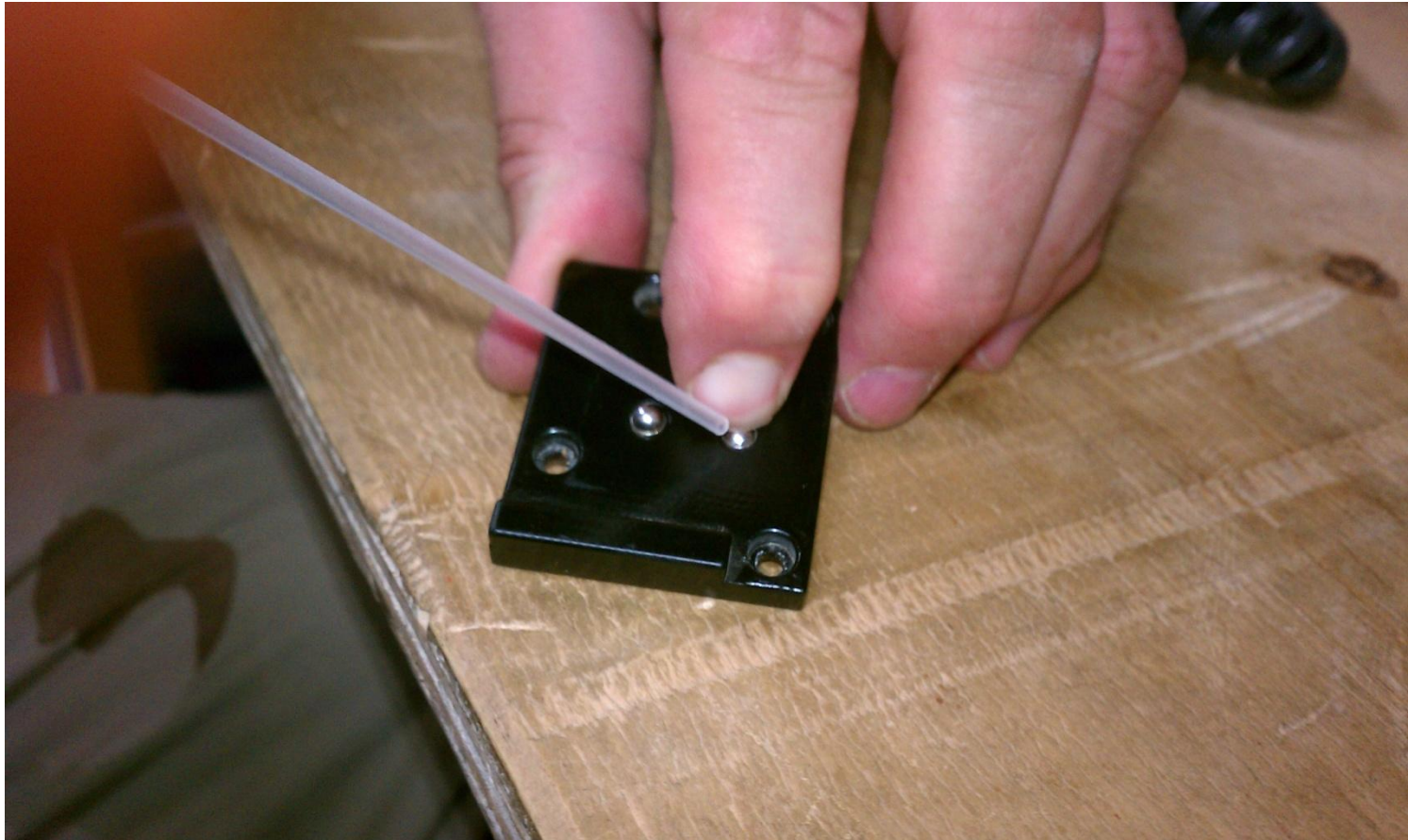
Battery Contacts

Look for pitting and signs of arching from poor battery contact. These are spring loaded contacts and you should be able to depress the ball and see it moves. If dirt or debris get in the spring housing it will affect the tension on the battery contact thus causing power failure.

Inspect the ball & spring for movement and clean contact with pencil eraser, remove excess with clean cloth or canned air. **Do not use any lubricant on them!**

Removing dirt and debris

Battery Contact has been removed only for Photo demonstration. **DO NOT REMOVE!**



Depress the ball and hold it down while using canned air.

Re-inspect for movement

Battery Contact has been removed only for Photo demonstration. **DO NOT REMOVE!**



Re-inspect for movement and make sure the height of the contacts are approx the same.
If it fails inspection seek guidance from FSR's. (See contact info below)

Charging the Battery



The vehicle must be turned off before connecting and remain off until rechargeable battery is fully charged.

Do not unplug the battery charger or remove the battery from the charger while it is charging from the vehicle.

Error Codes:

Yellow LED – not active

Red LED – not active (after inserting battery)

Check power supply

Change power cable

Defective battery charger/Bad battery

Charging time for new battery – 5 hrs.

Lithium-Polymer Cell Battery Block

-In MD only 12hrs

-In GPR only 10hrs

-In Combined MD and GPR 8hrs

Minehound & Gizmo FSR's

Any question pertaining to batteries for VMR-2 and VMC-1 can be directed to the following:

For the RC East you may contact in BAF:

Daniel Starrett or Robert Ortiz

Bagram FSR for HHI

For PM CCS/PM CM-EOD

Bagram HHI Instructor/Technician

DSN:318 481-8875 or 6491

Roshan: 011 93 079 377-5776

AKO: daniel.starrett@us.army.mil

GMAIL: daniel.starrett@gmail.com

SWA: daniel.c.starrett@afghan.swa.army.mil **or**

Roshan: 011 93 079 972-1241

AKO: Robert.Ortiz9@us.army.mil

SWA: Robert.Ortiz1@afghan.swa.army.mil

Minehound & Gizmo FSR's

Any question pertaining to batteries for VMR-2 and VMC-1 can be directed to the following:

For the RC South you may contact in KAF:

Glen Starnes (EPS)
Kandahar Team Lead/Instructor/Technician
Bagram FSR for HHI
For PM CCS/PM CM-EOD
Bagram HHI Instructor/Technician

AKO: Glen.starnes@us.army.mil

NIPR: Glen.a.starnes@afghan.swa.army.mil

SIPR: Glen.a.starnes@afghan.swa.army.smil.mil

Phone DSN: 318- 421-6014

Rohsan: 079-812-8965 /079-084-0946

or

AKO: Jermaine.t.holloway1@us.army.mil

SWA: dennis.l.chavez@afghan.swa.army.mil

Minehound & Gizmo FSR's

At Camp Leatherneck & Dwyer USMC:

Bernard Bilgri (DAC)

LNK Site Lead for HHI

PM CCS/PM CM-EOD

DSN: 318-357-6227

Roshan: 011-93-796027907

USMC: bernard.bilgri@afg.usmc.mil

AKO: bernard.bilgri@us.army.mil

evans.brownsr@us.army.mil

daristide@gmail.com

Minehound & Gizmo Theater Lead

Rory Calhoun (DAC)

PM CCS/PM CM-EOD Lead for HHI

Theater/Bagram Lead HHI

DSN: 318 481-1216

SIPR: 308 431-4667

Roshan: 011 93 079 689-6766

Roshan #2: 011 93 079 957 6078

SWA: Rory.Calhoun@afghan.swa.army.mil

CENTRIXS: Rory.Calhoun@afgn.centcom.isaf.cmil.mil

SIPR: Rory.Calhoun@afghan.swa.army.smil.mil

AKO: Rory.Calhoun1@us.army.mil