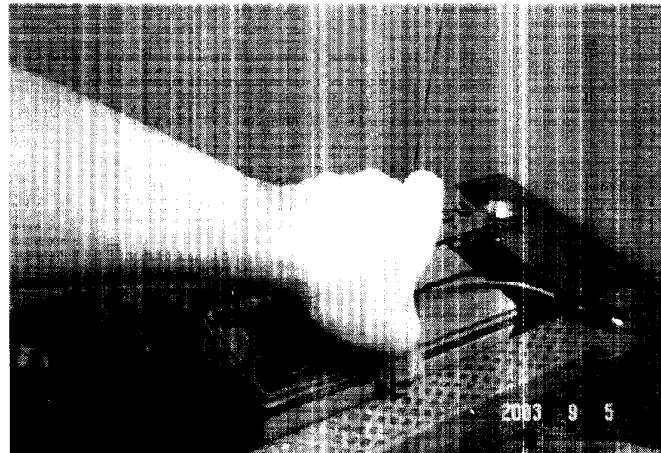
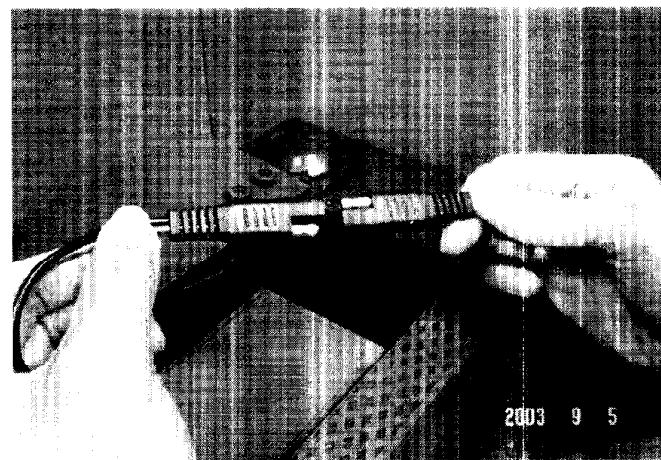


**3**



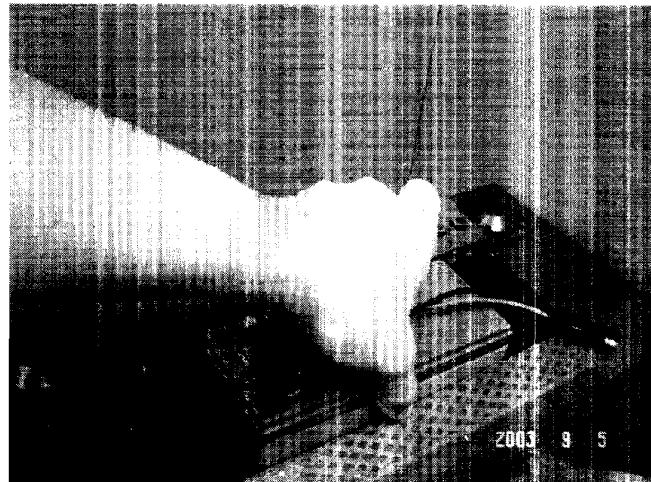
- Place the 12 Volt (7.0 Amp/Hr.) battery upright in the battery compartment. Make sure the battery connector extends toward the M5 Stuart Tank body.

**4**



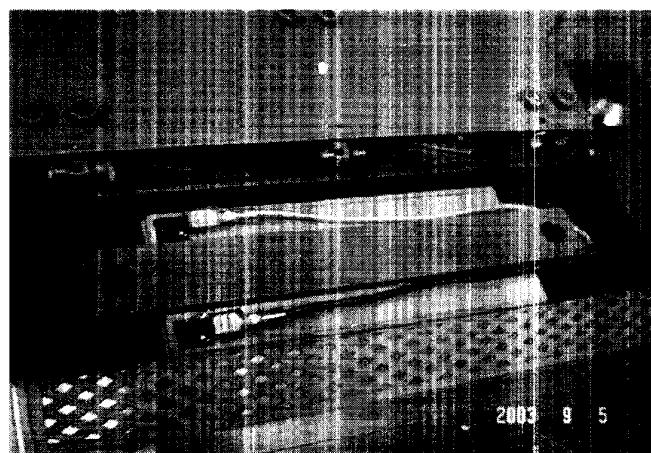
- Plug the battery connector into the motor harness connector.

**5**



- Position the battery clamp over the battery with the ends of the battery clamp aligned with the screw holes in the M5 Stuart Tank body.

**6**



- Insert the screws through the ends of the battery clamp and into the M5 Stuart Tank body.

**7**



- Tighten the screws with a Philips screwdriver. Do not over-tighten.

8

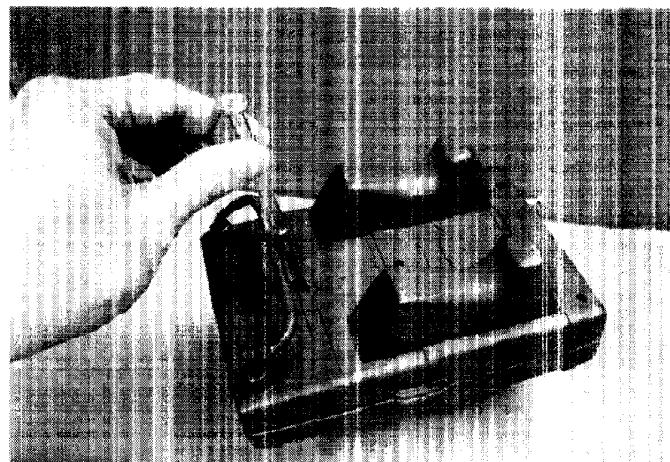


- Close the battery hatch & tighten screw securely. Do not over-tighten.

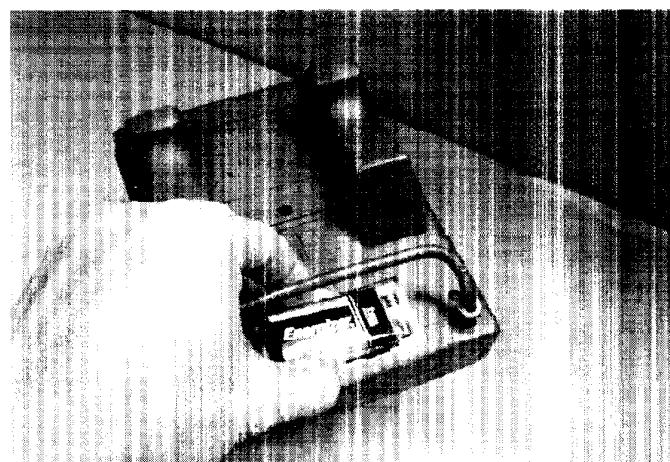
**Note:** If the battery connector will not plug into the M5 Stuart Tank harness connector, turn it over and try again! Do not force the battery connector into the M5 Stuart Tank harness connector.

**IMPORTANT!** Always remember to keep the batter hatch locked at all times to prevent children from accessing the battery.

## Radio Controller:



- Switch the power to "OFF"
- Unscrew the battery hatch cover located on the back of the radio controller with a Philips screwdriver and remove.



- Insert one 9-Volt battery in the proper direction as indicated inside the battery compartment.
- Replace the battery hatch & tighten screw securely.

# F

## Battery Care and Disposal

### **Care**

If a **battery leak develops**, avoid contact with the leaking acid and place the damaged battery in a plastic bag. See information below for proper disposal.

If **acid comes in contact with skin or eyes**, flush with cool water for at least 15 minutes and call a physician.

If **acid is internally ingested**, give water, milk of magnesia or egg whites immediately. Never give emetics or induce vomiting. Call a physician.

• Charge a new battery for at least 18 hours before first use. Never charge the battery longer than 30 hours. Overcharging or undercharging the battery may shorten battery life and decrease vehicle running time.

• After the first charge, recharge the battery for at least 14 hours after each use. Never charge the battery longer than 30 hours. Charge the battery after each use, regardless of how long the vehicle was used.

• The battery must be upright while charging.

• Do not allow the battery to run down completely before charging.

• Charge the battery before storing the vehicle.

• Charge the battery at least once per month, even if the vehicle has not been used.

• Leaving the battery in a discharged condition will ruin it.

• Always remove an exhausted battery from the vehicle. Battery leakage and corrosion can damage the vehicle.

• Do not store the battery on a surface which could be damaged by the acid contained inside the battery. Take precautions to protect the surface on which you store the battery.

• Do not store the battery in temperatures above 75° F or below -10° F.

• Prevent the battery from moving freely inside the battery compartment **Always use the battery clamp to secure the battery in the battery compartment.**

• Examine the battery, charger and their connectors for excessive wear or damage each time you charge the battery. If damage is detected, do not use the charger or the battery until you have replaced the worn or damaged part.

### **Disposal**

- Your battery is a sealed lead-acid battery. It must be recycle or disposed of in an environmentally sound manner.

- Do not dispose of a lead-acid battery in your regular household trash. The incineration, land filling or mixing of sealed lead-acid batteries with household trash is prohibited by law in most area.

- Return exhausted batteries to federal or state approved lead-acid battery recycler, or a local seller of automotive batteries. Contact your local waste management officials for other information regarding the environmentally sound collection, recycling and disposal of lead-acid batteries. If you live in the State of Florida or Minnesota, it is prohibited by law for anyone to throw away lead-acid batteries in the municipal waste stream.

# G

## Caring For Your M5 Stuart Tank

- During snowy or rainy weather, the M5 Stuart Tank should be stored inside or under a protective

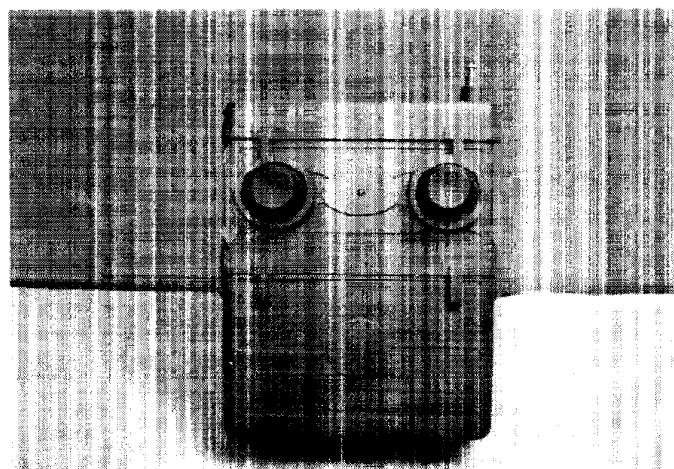
cover. Remember to charge the battery at least once per month while your M5 Stuart Tank is not in regular use.

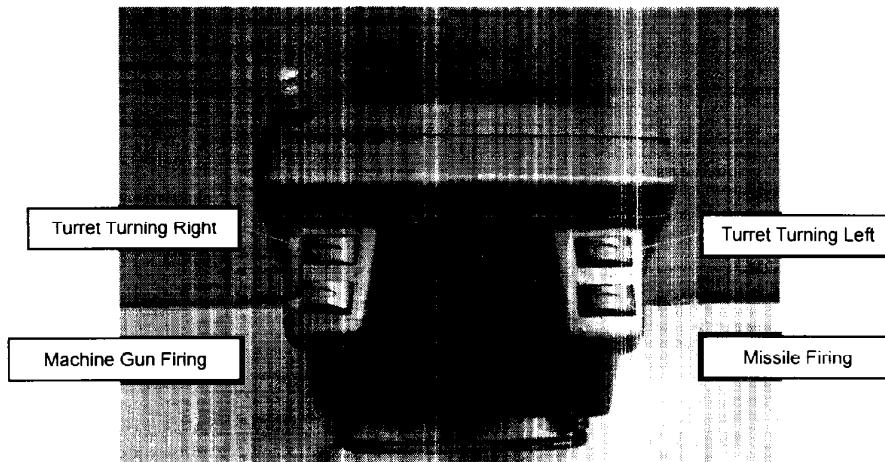
- Avoid operating the M5 Stuart Tank in wet or snowy conditions. Water or moisture in the motors or electrical switches can cause them to corrode, and could cause switch or motor failure.
- Avoid operating the M5 Stuart Tank on sand, loose dirt or gravel. Sand, loose dirt or gravel in the motors or electrical switches can cause them to jam, and could cause switch or motor failure.
- The M5 Stuart Tank can be wiped with a soft, dry cloth.

## H

### How to Operate Your M5 Stuart Tank

- Slide the "On/Off" switch of the M5 Stuart Tank (rear tank body) and Radio Controller (right side of the radio controller) to "ON" position.
- Extend the antenna of the Radio Controller.
- Use the left & right control sticks to control the M5 Stuart Tank to move FORWARD, BACKWARD, LEFT and RIGHT





- Push the TURRET TURNING buttons to rotated the turret left or right direction
- Insert the missile into the main canon then push the MISSILE FIRING buttons to launch the missile (with missile firing sound effect & recoil motion).
- Push the MACHINE GUN FIRING buttons to generated machine gun firing sound effect.
- After approximately 30 minutes, your M5 Stuart Tank will begin to lose its power. Simply follow the steps outlined in the "Battery Charging" section to recharge your M5 Light Tank.

#### **Operation Tips and Helpful Hints:**

- Do not operate during thunderstorms.
- When your M5 Stuart Tank starts to loose power, it may experience loss of functions of performance ability. If this happens, simply recharge your battery again and/or replace the Controller battery.
- Your M5 Stuart Tank is operated by radio waves. It is possible the unit may not perform properly due to interference from nearby devices such as a cordless phone, hair dryer, walkie-talkie or radio controlled toys.
- Avoid sand and snow when operating your M5 Stuart Tank.
- Always select a safe place to play. Never drive your M5 Stuart Tank on streets.
- Keep fingers, hair and loose clothing away from the track and wheels while the M5 Stuart Tank is switched on.
- Do not get your rechargeable battery wet. If you do, dry immediately

## Problems and Solutions Guide

### If your M5 Stuart Tank does not operate:

- Make sure the batteries are installed properly.
- Recharge your battery.
- Make sure M5 Stuart Tank is turned on and Controller is turned on.
- Make sure the battery contacts have not become dirty. If they have, simply wipe with dry cloth.

### If your M5 Stuart Tank responds slowly:

- Recharge the battery.
- You may be out of range, move closer to the M5 Stuart Tank.
- Make sure the battery contacts have not become dirty. If they have, simply wipe with dry cloth.
- Replace the battery in the Controller

Problems	Possible Cause	Solution
M5 Stuart Tank does not run	Undercharged battery	Charge the battery. A new battery should have been charged for at least 18 hours before using the M5 Light Tank for the first time. After first-time use, recharge the battery for at least 14 hours after each use. Never charge the battery longer than 30 hours.
		Check all connectors. Make sure the battery connector is tightly plugged into the charger connector, and that the charger is plugged into wall.
		Make sure power flow to the wall outlet is "ON"
	Charger is not working	There is no sure way to tell if your charger is working unless you have a volt meter.
	Loose wire or loose connector	Check all wires and connectors. Make sure the battery connector is tightly plugged into the motor harness connector, and that there are no loose wires around the motor.
	Dead battery	If your battery is old or if you have not followed Battery Care instructions, your battery may be dead.
M5 Stuart Tank was running but suddenly stopped	Electrical switch damage	The electrical switches can become corroded due to exposure to water or moisture, or can jam due to loose dirt, sand or gravel.
	Loose wire or loose connector	Check all wires and connectors. Make sure the battery connector is tightly plugged into the motor harness connector, and that there are no loose wires around the motor.
	M5 Stuart Tank is overloaded	Make sure you do not overload the M5 Stuart Tank by towing objects behind the M5 Stuart Tank
	Driving conditions are too stressful	Use only on generally level ground. Extreme temperatures can also affect run time

Short run time	Undercharged battery	<p>Charge the battery. A new battery should have been charged for at least 18 hours before using the M5 Light Tank for the first time. After first-time use, recharge the battery for at least 14 hours after each use. Never charge the battery longer than 30 hours.</p> <p>Check all connectors. Make sure the battery connector is tightly plugged into the charger connector, and that the charger is plugged into wall.</p> <p>Make sure power flow to the wall outlet is "ON"</p>
	Overcharged battery	Do not charge the battery longer than 30 hours.
	Battery is old and will not accept full charge	Even with proper care, a rechargeable battery does not last forever. Average battery life is 1 to 2 years depending on M5 Stuart Tank use and use conditions. Replace the battery with a 12 Volt (7 Amp/hr.) battery. Do not substitute parts.
	Driving conditions are too stressful	Use only on generally level ground. Extreme temperatures can also affect run time
M5 Stuart Tank runs sluggishly	Undercharged battery	<p>Charge the battery. A new battery should have been charged for at least 18 hours before using the M5 Stuart Tank for the first time. After first-time use, recharge the battery for at least 14 hours after each use. Never charge the battery longer than 30 hours.</p> <p>Check all connectors. Make sure the battery connector is tightly plugged into the charger connector, and that the charger is plugged into wall.</p> <p>Make sure power flow to the wall outlet is "ON"</p>
	Battery need charging	After approximately 1.5 hours of constant use, the battery needs charging
	Battery is old and will not accept full charge	Even with proper care, a rechargeable battery does not last forever. Average battery life is 1 to 2 years depending on M5 Stuart Tank use and use conditions. Replace the battery with a 12 Volt (7 Amp/hr.) battery. Do not substitute parts.
	M5 Light Tank is overloaded	Make sure you do not overload the M5 Stuart Tank by towing objects behind the M5 Stuart Tank
	Driving conditions are too stressful	Use only on generally level ground. Extreme temperatures can also affect run time
	Electrical switch damage	The electrical switches can become corroded due to exposure to water or moisture, or can jam due to loose dirt, sand or gravel.
Sometimes the M5 Stuart Tank doesn't run, but other time it does	Loose wire or loose connector	Check all wires and connectors. Make sure the battery connector is tightly plugged into the motor harness connector, and that there are no loose wires around the motor.

Charger gets warm during use	It is normal for some chargers to get warm during use and is not reason for concern. Some chargers do not get warm during use.	No action required.  If your charger does not get warm during use, it does not mean that it is not working properly.
Battery makes a sizzling or gurgling noise when charging	It is normal for some batteries to make noise and swell slightly while charging and is not reason for concern. Some batteries do not make noise or swell while charging.	No action required.  If your battery does not make noise or swell slightly during charging, it does not mean that it is not accepting the charge.

**IF THERE IS NO FUNCTION BETWEEN THE RADIO CONTROLLER AND THE M5 STUART TANK:**

- ③ Make sure you have turned ON the Radio Controller and the M5 Stuart Tank.
- ③ Make sure your M5 Stuart Tank is fully charged.
- ③ Check that the batteries are inserted properly.
- ③ Replace the old batteries with new alkaline batteries.
- ③ Move the Radio Controller closer to your M5 Stuart Tank to determine the best communication between the Radio Controller and the M5 Stuart Tank. (The operating range is approximately 25 to 30 feet)

**IF YOUR M5 STUART TANK FAILS TO CAHRE:**

- ③ Make sure the lead acid rechargeable battery have been inserted properly.
- ③ Make sure you have connected your M5 Stuart Tank onto the connector securely.

**IMPORTANT!**

If you experience a problem with your M5 Stuart Tank, first check the Problems and Solutions Guide above. If you still experience a problem, please contact Ultimate Solider® Consumer Relations at **1-510-481-6010** between 9 AM and 5 PM (EST) Monday through Friday.

Modifications not authorized by the manufacturer may void user's authority to operate this device.

Emissions or interference of surrounding electronic equipment may affect operating performance.

**FCC NOTICE !**

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

If, after reviewing the Problems and Solutions Guide, the vehicle still fails to operate, please contact Ultimate Soldier® Consumer Relations at **1-510-481-6010**.

**Hint:** For faster service when calling Consumer Relations, completely charge the battery before calling and have the following available by the phone: M5 Stuart Tank and radio controller, M5 Light Tank model number (see packaging box), Phillips screwdriver is helpful.

# **IMPORTANT !**

**DO NOT use this vehicle  
for the first time until you have  
charged the battery for 18 hours.**

**Remember to...**

- ④ Charge the battery immediately after each use.
- ④ Charge the battery once a month during storage,  
even if the vehicle has not been used.

Failure to follow these instructions will permanently damage your battery.  
Please refer to the Battery Care Section in this manual for more information.

## **DO NOT Return your M5 Stuart Tank to the Store !**

If you are missing parts or need assistance, please call us toll-free:



**Ultimate Solider® Consumer Relations  
1-510-481-6010  
9 AM - 5 PM EST, Monday through Friday.**

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