

ASC 33580 10/3/99

Instructions

ENGLISH

HOT-SHOT

WARNING

SAFETY INSTRUCTIONS CAREFULLY READ AND FOLLOW INSTRUCTIONS BEFORE USING YOUR HOT-SHOT[®] PROD.

- This prod is **DESIGNED FOR USE ON LIVESTOCK ONLY**
- Never use the prod on humans
- **KEEP THE UNIT AWAY FROM CHILDREN**

- The prod generates a high voltage pulse, and you should never touch the electrodes while the unit is activated
- Clean, dry and store prod in dry environment. Remove batteries prior to cleaning or drying
- **KEEP PROD DRY** - If unit gets wet **IMMEDIATELY TAKE STEPS TO THOROUGHLY DRY UNIT OUT** to avoid corrosion and/or unintended feedback
- Use in a well ventilated area. Do not use near flammable liquids or dust
- Whenever the prod is not in use, place the safety clip under the trigger button
- **IF USING THE RECHARGEABLE UNIT CHARGE THE PACK FOR 16 HOURS BEFORE INITIAL USE**
- Intended for ground level use only

Application

The HOT-SHOT[®] prod is an electric livestock prod designed to assist in the movement of cattle and hogs.

Function

The HOT-SHOT[®] prod uses batteries to power an electronic circuit that generates a high voltage pulse. This pulse is delivered by touching the animal with the two electrodes.

Animal Protection

Please follow the regulations that apply to animal protection and slaughtering in your area.

Operation

To activate this prod, remove the safety clip from under the button, touch the two brass prongs on the end of the prod to the animal and press the button. A light touch against the animal gives the most effective results. Only apply a shock to the animal as required.

Maintaining your HOT-SHOT[®] Prod

It is important to keep you HOT-SHOT[®] clean and dry for best performance. Follow proper maintenance after each use.

- 1) Thoroughly **CLEAN AND DRY** the HOT-SHOT[®] Livestock Prod after each use:
 - a. Remove shaft from handle and dry connection area of shaft and handle
 - b. Wipe handle with a dry cloth, particularly around the trigger button and end cover areas
2. Inspect shaft tip for damage or excessive wear and replace as necessary
3. Store with shaft separated from unit to allow for complete drying in areas that can't be wiped dry
4. The HOT-SHOT[®] Prod handle may be stored lying down or hanging from the wrist strap, the shaft may be hung from shaft hang hole in the tip

Make sure to dry completely before reassembly. It is also recommended to perform periodic maintenance to your HOT-SHOT[®] Prod. For more detailed maintenance information visit www.miller-mfg.com

Maintaining your HOT-SHOT[®] Rechargeable Battery Pack (RBP)

RBP should be charged for 16 continuous hours before first use. Charge the pack in temperatures between 40-100° F. Charging time may vary depending on ambient temperatures and extent of discharge for both 110 volt charger (R110) and 12 volt charger (R12). HOT-SHOT[®] charger (R110 and R12) required. Other chargers may damage the pack and will VOID the warranty.

Charging times:

- R12: full charge in 16 hours
- R110: full charge in 9 hours

Periodically run the unit until there is a noticeable drop in output (this exercises the batteries and increases the life of the pack).

Break-in your new Rechargeable Battery Pack.

It is important to properly condition or break-in your new Rechargeable Battery Pack in order to maximize its life and performance. New Rechargeable Battery Packs arrive in a discharge condition and must be fully charged before use. This conditioning charge may take up to 16-24 hours. It is recommended that you fully charge and fully discharge your Rechargeable Battery Pack 2-4 times to allow the batteries to reach its rated capacity. The term 'fully discharge' means to use the Rechargeable Battery Pack in the Hot-Shot[®] device under normal conditions until the device no longer operates correctly. It is a good idea to have a second battery pack charged and ready when the first battery pack discharges.

Keep the Rechargeable Battery Pack clean and dry!

It is good maintenance to clean the Rechargeable Battery contacts with a cotton swab and alcohol or use a pencil eraser to remove any dirt or grime. When storing the Rechargeable Battery Pack, wipe it down with a clean dry cloth and store it in a cool dry place away from heat sources and any metal objects.

Rechargeable batteries must be disposed of properly and may not be disposed of in the municipal waste stream. Miller Mfg. Co. is a member of the Rechargeable Battery Recycling Corporation and pays a licensing fee for each rechargeable battery we sell. This means you can dispose of your rechargeable battery for free at one of thousands of disposal sites across the nation. To find a listing of locations by City or Zip Code visit www.call2recycle.org or call toll-free 877-2-RECYCLE. Please note that only the RBP is recyclable all other HOT-SHOT[®] Prod components are not covered by this program.

Troubleshooting

- 1) Check the batteries. We recommended using the HOT-SHOT[®] Battery Tester (R104). HOT-SHOT[®] High Amperage Alkaline Batteries (ALKDP) are strongly recommended for best performance
- 2) Clean and inspect all metal contact points to be sure they are free of corrosion
- 3) Make sure all parts are completely dry and properly assembled

For more detailed troubleshooting information visit www.miller-mfg.com

Warranty

Product	Hot-Shot Warranties
Green HS2000	1 year (date of purchase)
Red Sabre-Six	1 year (date of purchase)
Power Mite	1 year (date of purchase)
Rechargeable Battery Pack	1 year (date of mfg)
R110 & R12 Chargers	1 year (date of purchase)
Shafts (all)	Electrical continuity material & workmanship. No warranty after sale to end user.
Alkaline Batteries	4 year shelf life (no warranty after sale to end user)

Warranty Return/Repair

Warranty is on electronics only it does not include shaft, case breakage, any form of physical damage or damage due to normal wear and tear.

HOT-SHOT[®] maintains a complete repair service at the factory. If a HOT-SHOT[®] product fails due to a defect within the specified warranty period, the unit must be returned to the factory for examination. If the product is found to be defective and is within the warranty period, replacement or repairs will be made. The product will be returned postage paid.

HOT-SHOT[®] also maintains a repair for fee service at the factory. If a product is returned to the factory for repair and is not within the warranty period, customers will be contacted regarding estimated repair costs prior to chargeable repair service being performed.

Returns

In the event a product needs to be returned to HOT-SHOT[®] for a warranty claim:

- 1) Enclose a note with the product that includes your name, full address and phone number.
- 2) Enclose proof of purchase receipt
- 3) Send the product and above information to:
Miller Mfg. Co. / Attn: Repairs
1450 West 13th Street
Glencoe, MN 55336
Or call 800-260-0888

2 of 3 pgs

Prod Maintenance/Troubleshooting



Maintenance After Each Use:

1. Thoroughly CLEAN AND DRY the Hot-Shot® Livestock Prod after each use
 - a. Remove shaft from handle and dry connection area of shaft and handle
 - b. Wipe handle with a dry cloth, particularly around the trigger button and end cover areas
2. Inspect shaft tip for damage or excessive wear and replace as necessary
3. Store with shaft separated from unit to allow for complete drying in areas that can't be wiped dry
4. The Hot-Shot® Stock Prod handle may be stored lying down or hanging from the wrist strap, the shaft may be hung from shaft hang hole in the tip

Periodic Maintenance – Weekly or when the Hot-Shot® Livestock Prod is exposed to excessive moisture:

1. Disassemble the prod, clean and dry all parts. Clean and inspect all metal contacts for corrosion
2. Inspect and check power level on alkaline batteries (we recommend using the Hot-Shot® Battery Tester, part number R104)
3. Inspect all parts for damage and replace as needed
4. Allow to air dry before re-assembling
5. Store with shaft separated from unit to allow for complete drying in areas that can't be wiped dry
6. The Hot-Shot® Stock Prod handle may be stored lying down or hanging from the wrist strap, the shaft may be hung from shaft hang hole in the tip

Testing Operation of the Hot-Shot® Livestock Prod:

1. Check that Prod is assembled correctly and that all connections are secure
2. Remove trigger button safety clip
3. Depress trigger and listen for the motor tone
4. Touch both points to a metal surface, visible sparking on contact should occur

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Troubleshooting Guide:

Symptom	Possible Cause	Possible Fix
Weak Spark/No Spark or Prod makes no sound when trigger is depressed	Batteries weak	Alkaline: Check batteries with Hot-Shot® tester R104, replace if necessary Rechargeable: recharge battery pack
	Bad connection	Clean and inspect all connections
	Batteries not installed correctly	Check to see that the batteries are installed correctly per the insertion diagram inside the case
Motor makes tone, but no spark at end of shaft	Bad connection	Clean and inspect all connections
	Bad shaft	Check for spark at shaft connection point with shaft removed, if present replace shaft
	Bad motor	Check for spark at shaft connection point with shaft removed, if none replace motor
Motor making snapping sounds when shaft is not on animal or against steel	Bad shaft	Remove shaft, if snapping stops clean/dry shaft. If snapping continues when shaft is reattached replace the shaft
	Short Circuit due to moisture	Disassemble Prod, clean and dry all connections, reassemble and test
Arcing between contacts on motor or shaft	Bad shaft	Clean and dry shaft tip, if arcing still occurs at tip replace shaft
	Short Circuit due to moisture	Disassemble Prod, clean and dry all connections, reassemble and test
Batteries getting HOT (please note that batteries getting warm during operation is normal)	Batteries not installed correctly	Check to see that the batteries are installed correctly per the insertion diagram inside the case
	Short Circuit	Clean and inspect all connections and check assembly of prod to include all parts in case
User receiving shock at handle during operation	Short Circuit	Clean and inspect all connections and check assembly of prod to include all parts in case and ensure that all components are thoroughly dry
Prod still not functioning	Damaged or Bad Motor and/or case	Call Hot-Shot® customer support at 1-800-260-0888 or return prod to retailer for repair



Carefully clean contacts in handle and on shaft



Carefully clean contacts on case, motor and batteries

Carefully clean contacts on motor and end cap



Clean and inspect battery contacts points. Secure contact strips to outside of notch so that they do not contact the center strip.

Clean and inspect battery contact points.

SS7P1 Hold Down Nut