



## **SAFE OPERATING MANUAL**

**IMPORTANT**

**READ OPERATING MANUAL BEFORE**

**OPERATING TRAP**

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## ASSEMBLY INSTRUCTIONS

- Remove trap from packaging.
- Rotate throwing arm counter clock wise until straight out in front of trap. Lay trap on side with decal at rear. Follow rubber band inside the trap. Remove rubber band and hook mainspring through spade bolt on crankshaft (where rubber band was connected). Hook spade bolt eye bolt (included in packaging) over other end of spring and slide through 3/8 hole in rear of trap. Thread on 3/8" nut and jiggle spring as you tighten 3/8" nut, while keeping spring eyes from binding. Nut should be tightened until it bottoms out. Turn nut until snug. Install second 3/8" nut and jam against first 3/8" nut.
- Place trap upright. Adjust elevation by loosening 4 adjusting bolts (2 on each side of machine where the base attaches to the frame). Set elevation to desired angle and retighten the 4 adjusting bolts.
- Place magazine rods (included in packaging) over studs on magazine and hand tighten. The 2 rods with rubber sleeves attach to the front 2 studs on magazine.
- Place steel crescent ring (included in packaging) over top four magazine rods and install with 1/4"x3/4" Allen bolts, tighten bolts with wrench provided.

- Mount trap to sturdy base.
- Load 108mm targets into magazine making sure black brake shoe is positioned with cutout portion down, if not, pull back spring loaded black and turnover.
- Before connecting to battery, read, understand all safety instructions noted in this guide.
- Stand at rear of trap and stay clear of throwing arm. Attach battery terminals to battery. **Throwing arm will cock immediately.** Always remember, when trap is connected to battery, trap is cocked and ready to fire. When trap is disconnected from battery, it is still in the cocked position. See safety precautions and de-cocking procedures.

## BATTERIES

- You must use a 12-volt deep cycle marine type battery.
- Keep battery fully charged, low battery voltage causes excessive motor heat, slow cocking time, early motor failure, etc.
- Always inspect battery clips on trap, keep them clean.
- Charge battery when not in use with a trickle charger.
- Trap is polarity protected.

## RELOADING MAGAZINE

- When trap runs out of targets it is difficult to install targets while trap is in cocked position. Install new targets before trap runs completely out of targets.
- To fill magazine while trap is cocked, remove red clip from battery. Make sure brake shoe is in the up position. Hold firing button down and tap red clip to positive battery terminal long enough to dry-fire trap. As trap fires, make sure to remove red battery clip from battery terminal. Magazine is now ready to reload.
- Excessive dry firing of trap puts a heavy load on trap components.

## SAFETY PRECAUTIONS

- Stand to rear of trap. Stay clear of throwing arm path, which is 360°. When trap is connected to batter it will immediately cock. Thus fill with targets before connecting to battery.
- Mount trap only to secure fixture. Throw targets only in a safe direction. Know target path as well as shooters zone of fire.
- All spectators, bystanders, operators and shooters stand behind trap, not to either side or front. Wear safety glasses.

Never allow children near trap.

- Approach trap only from rear, not from front or either side.
- Never allow persons less than 18 years of age to operate or approach trap. Never allow persons to operate trap who have not read and understand information contained in this instruction manual.
- Never leave cocked trap or firing button unattended. Always un-cock trap after use and before moving.
- Targets may be thrown in rapid succession. However, continuous cycling may cause motor to overheat. Do not allow motor to overheat!
- Never adjust, tamper or transport trap while cocked or connected to battery. Remember if trap is disconnected from battery it is still cocked unless it is un-cocked by you.
- To manually un-cock trap, follow steps 1-5.  
Step 1. Remove positive battery clip from battery.  
Step 2. Push and hold firing button down.  
Step 3. Tap positive battery clip to positive post on battery until trap fires.  
Step 4. Remove both battery clips from battery immediately following firing of trap.  
**Step 5. Only when throwing arm is straight out in front of trap is trap un-cocked.**

**OR**, simply unscrew 3/8" nut that is attached to spade bolt at rear of trap.

## **TROUBLE SHOOTING**

**PROBLEM:** Trap will not cock.

**SOLUTION:** Battery is dead or weak. Charge battery or replace. Check wire to make sure that it is not broken at clip. It is not good to operate trap on a weak battery.

**PROBLEM:** Trap will not feed targets.

**SOLUTION:** Shift plate is clogged with target dust or debris. Tap shift plate with plastic hammer. Do not lubricate.

**PROBLEM:** Trap breaks targets.

**SOLUTION:** Make sure targets are not moist. Old targets draw moisture.

**PROBLEM:** Target has short throwing distance.

**SOLUTION:** Spring is too loose. Spring may have lost temper, if so, replace spring.

**PROBLEM:** Excessive target breakage.

**SOLUTION:** Allow throwing arm to completely stop before holding down on the firing button.