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WP1 INSTRUCTION

1. Purpose and characteristic

The trap is professional equipment for launching the clay target. It possesses many characteristics, e.g. Simple structure, stable performance, long fire distance and high success rate for launching the target.

2. Main technical parameters

Dimension	Weight	Electrical power	Motor power	Target loading	Shooting distance
60*58*78mm	31KG	DC12V	50W	260PCS	70-90M

3. Installation and usage

3.1 Picture of Product



Components Picture



- 1) Clubfoot
- 2) Frame
- 3) Up Magazine Panel
- 4) Paddle on-off and wiring harness
- 5) Stainless steel pipe
- 6) 14-19 club wrench
- 7) 3/16 inner hexagon wrench
- 8) 3/8-16UNC Draw-bar
- 9) Spring
- 10) 12-14 open spanner
- 11) Plate
- 12) Safety Kit



Insert 4 clubfeet (1) into four grooves of frame (2), screw down the bolts with 14 club wrench (6)



Install the trap between 2 sides of frame (2), screw down the bolts



Put the plate (11) on the trap, screw down the bolts



Install the damper plate and screw down the bolts.



Install safety Kit (12)



Fasten the stainless steel pipe (5) on bottom Magazine Panel by hand, then put the Up Magazine Panel (3) on the stainless steel pipe, screw down the bolts with wrench (7).



Hook one end of (9) on the hook (like “9”),the other end is hooked on (8), insert another end of (8) into hole on the cover, screw down two bolts.



Insert connector plug of (4) into the socket of wiring harness, connect the electrical source (DV12V battery cell). Pay attention: The red clamp is connected the anode, the black clamp is connected the cathode.

3.2 Usage

Before using the trap, check if the electrical source connection is correct and safe, each component is assembled well.

After checking all the parts, turn the switch to “ON” position, the motor will work and drive the trap to prepare for releasing, and then step on the paddle switch, release the arm and the target is launched, the trap will enter into the next working cycle.

3.2.1 Adjustment of separating knife



Loosen the bolt of separating knife, adjust the knife to proper height (knife is about 0.3mm higher than clay target). Too high or Too low will lead to targets broken.

3.2.2 Adjustment of Launch height

Loose the bolt between the trap and basic frame. Turn to proper height and then fasten the bolt.

3.2.3 FAQ

Failure Symptom	Caused reason	Solutions
Target Broken	Improper height of separating knife	Re-adjust
	Target with flaws	Check and change
Keep Launching targets	Limited switch setting	Check and change
Fail to Launch targets	Foot pedal fails	Check and change
	Launch switch fails or looses	Change or fasten
	Low battery	Recharge or change
	Fail to connect to power	Connect to power
	Relay fails	Check and change

4. Maintenance

The trap needs be started frequently, and checked before each use.

After launching around 3000 targets, check all main nuts and bolts are tight Incase any have vibrated lose. If there are persistent loosening, use some locktight on the nuts.

At the same time, check the cogs and movable joints are lightly and evenly lubricated. (Do not over grease the cogs)

When loading the clay targets, check the quality of the target, don't load damaged or fractured targets into the trap as the throwing arm will instantly smash the clay sending clay particles in the air.

After you are finished using the trap, you need clean it in time, preventing any clay particles from getting into the cog rotary system.

5. Safety Warning

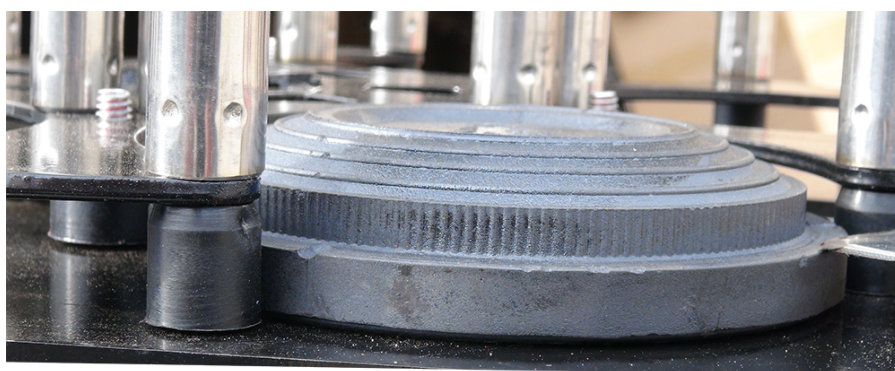
- 1) Whilst setting the trap at the start of every use, always ensure nobody is in the firing range of the arm / clay coming out.

- 2) After each use, the arm needs to return to the disarm position. Whilst the arm is in the cocked position (on) the clay trap is dangerous, so you should not enter the throwing arm rotation space.

- 3) Before adjusting any parts or moving the trap, ensure the trap is in the disarm and off position (the arm should be at 12'oclock)

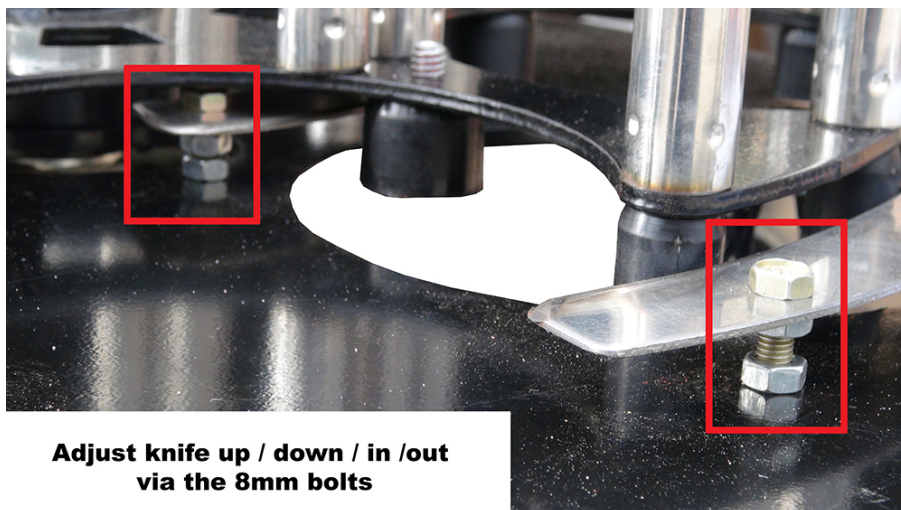
Setting Adjustments

Knife separator Setting adjustments



**Adjust the knife separator via the 8mm bolts.
You will need to adjust both the front and rear knife.**

The Knife separator needs to be 1mm above the clay lip, to perfectly cut between the 2 clays



Clay plate adjustment



Ensure the throwing arm rubber is on the top section of the clay



when the spring is off, you can pull the throwing arm round by hand.

Ensure the throwing arm rubber is always on the top section of the clay until the clay comes off the plate.



If you need to adjust the height of the plate, adjust the 3 bolts up/down to resolve the height.