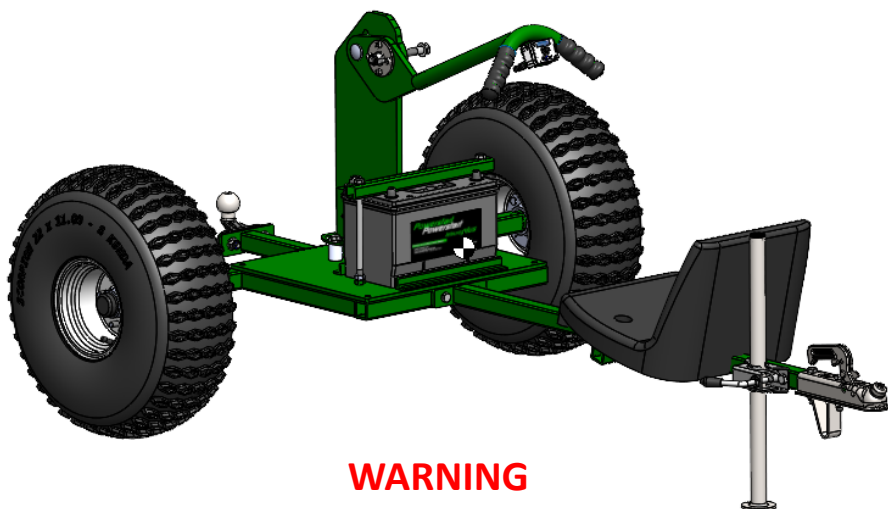




# Operating Instructions

## MONTERO

### Clay Pigeon Trap Trolley



## WARNING

Clay target launchers can be dangerous and must be treated with great care at all times to avoid accidents.

Never place any bodily part into the path of any mechanical piece whilst the machine is in motion or likely to be so.

You must treat a clay target launcher with the same caution that you would treat a loaded gun.

Assume at all times that a clay target launcher is armed and loaded and treat it accordingly



This document must be read in full before attempting to operate the machine

## Preface:

Every effort has been made to ensure that the information contained within this manual is complete, accurate and up-to-date. Promatic International assumes no responsibility for errors beyond its control.

## Conventions used within this manual:

**Trap:** Your Clay target launcher - commonly known as a clay trap and may be referred to in this manual as "The trap" or "The machine"

## Warnings & Cautions:



**Warning:** This section contains instructions which, if ignored or carried out incorrectly, may result in risk of personal injury.



**Caution:** This section contains instructions which, if ignored or carried out incorrectly, may result in malfunction or damage to the equipment or consumables.



**Note:** This section contains additional information which the user may find useful, but is not essential to the operation of the product.



### 12v DC Power Source:

This Trap is designed to be powered from a 12v DC battery.

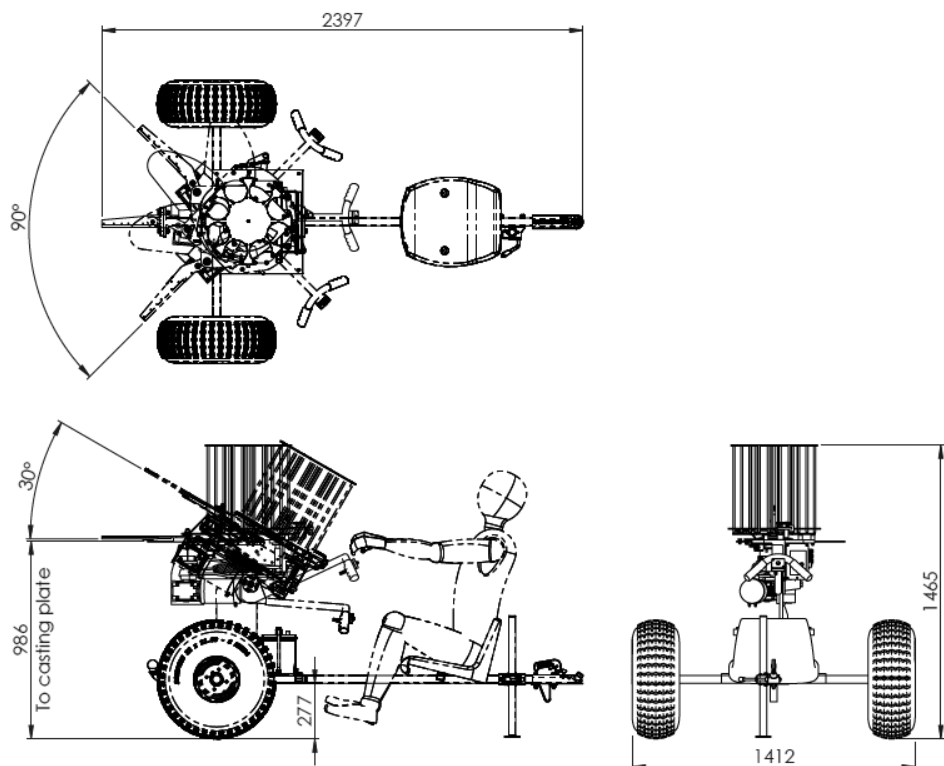
We recommend 105Ah leisure batteries. Promatic part no. E30V/LB105

**IT MUST NEVER BE DIRECTLY CONNECTED TO MAINS AC POWER**



**EYE PROTECTION MUST BE WORN WHEN WORKING ON OR AROUND A CLAY TARGET LAUNCHER AS SMALL SHARP PIECES OF CLAY MAY BE EJECTED DURING NORMAL USE.**





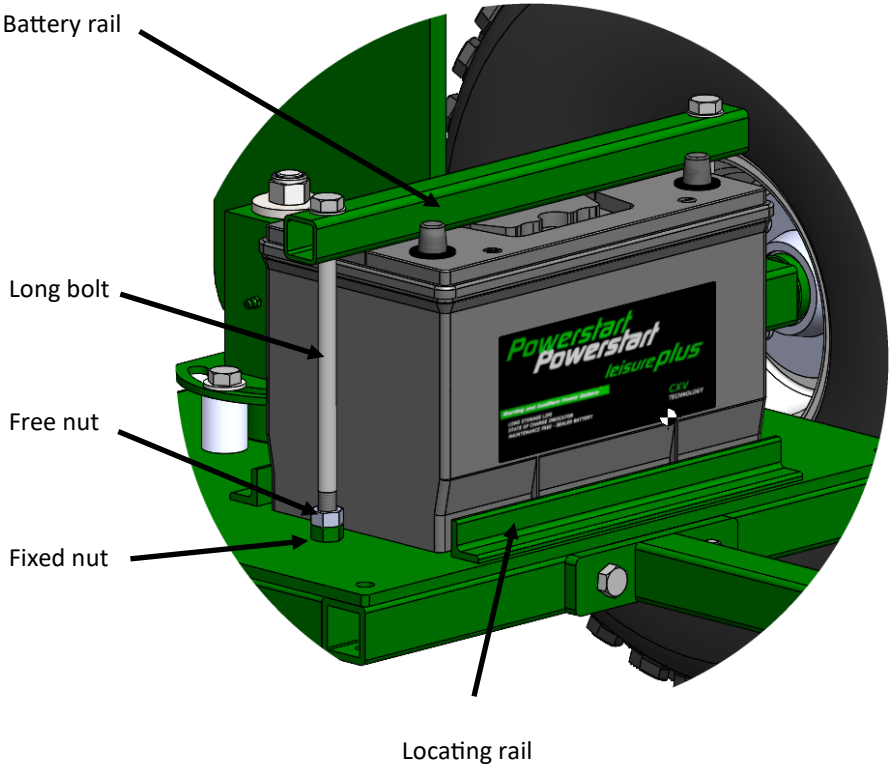
MONTERO TROLLEY WITH SUPERSPORTER TRAP FITTED  
WITH A 300 BIRD CAROUSEL

Note that the width dimension may be exceeded when the trap is moved to its left and right extremes. This is due to the path of the throwing arm. Keep all obstructions clear of the throwing arm at all times.

For information about the trap fitted to your trolley, please refer to the specific user manual.

## Mounting the 12V battery.

The battery sits on the trolley base plate between the two locating rails. It is secured in place with a clamp bar placed over the top of the battery (while keeping it clear of the battery terminals). It is secured with two long bolts passed through the bar. After passing the bolts through the bar, place a nut onto each of the bolts and screw the bolt tightly into the fixed nuts on the base plate. The free nuts along the bolts are then tightened against the fixed nuts to lock the bolts and fix the clamp bar in place.



## Connecting the battery:

Ensure you are behind the machine, that the **ARM/DISARM** switch is in the **OFF** position and the trap in a safe condition (either disarmed or in safe mode). Connect the red cable to the Red (+) terminal and the black cable to the Black (-) Terminal. Ensure the terminal fasteners are tight, the battery is safely positioned and the charger has been removed.

## Battery Troubleshooting :

**Trap fails to re-arm** - If after a period of prolonged use the trap fails to re-arm itself and is found to be stalled (may also be making a humming sound) then this is an indication that the battery is depleted, and the voltage has fallen too low to operate the trap. Disconnect the battery immediately and re-charge (or fit a replacement fully-charged battery).

Although the battery may appear to have recovered, the trap should not be used any further than necessary to make it safe as continued operation at low voltage may cause damage to the motor, battery or other electrical components.

**Circuit breaker has operated** - The battery may have been incorrectly fitted (terminals reversed) or an excessive amount of current was drawn either due to a fault or obstruction within the trap. Check for obvious faults or obstructions and reset the circuit breaker (if fitted). If the faults persists, seek advice from Promatic.

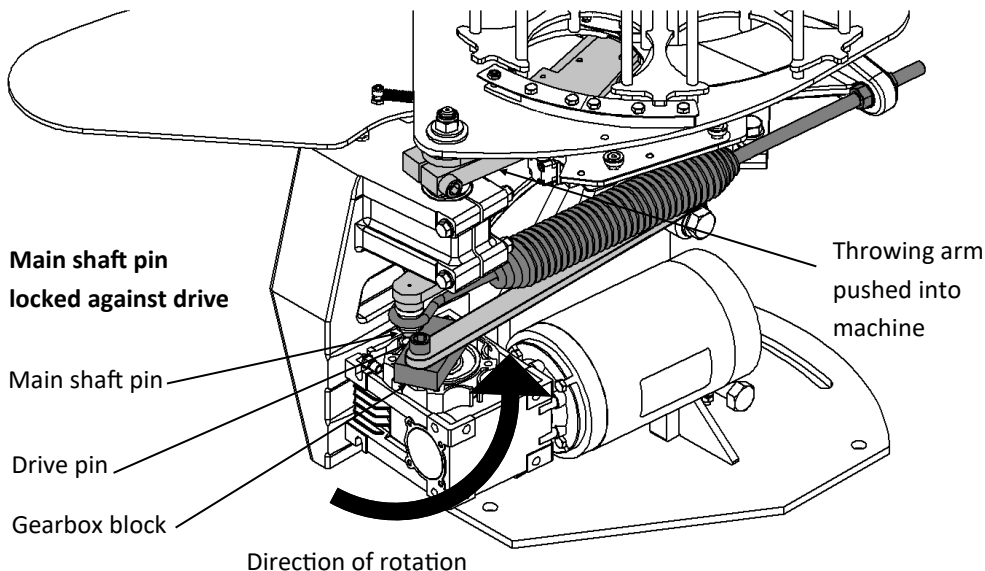


**If the circuit breaker has tripped due to an obstruction DO NOT ASSUME THE TRAP IS SAFE** it may still be armed with the obstruction holding back the energy from the spring - carefully clear the obstruction whilst remaining in the safe area behind the trap **BE AWARE** of the path of the throwing arm **AND** the debris that may be ejected.

**Transit Mode Procedure - This is recommended for machine transportation.**

**Warning: Stand at rear of machine only**

1. Disarm the machine by flicking the **ARM/DISARM** switch momentarily towards the **DISARM** position and immediately releasing (long enough for the trap to fire, but not giving the machine a chance to rearm). The throwing arm should be pointing towards the front of the machine. The Gearbox block (A rectangular block attached to the gearbox shaft) should be in a position pointing towards the front of the machine. Push the **ARM/DISARM** switch momentarily in direction of **DISARM/NUDGE** just enough to allow the block to move slightly past the straight ahead position as seen in the diagram below. If the block has gone too far, follow this procedure again until the desired position is achieved.
2. Disconnect the power source from the machine.
3. Adjust the spring to reduce the tension.
4. The throwing arm can be pushed slowly, **USING THE PALM OF THE HAND ONLY**, around Anti-clockwise (Into the machine).



**Generic Trap Image**

5. As the throwing arm gets to the firing position (pointing directly to the back of the machine) the spring will take over, moving the arm onto the drive bolt on the Gearbox block. This will stop the arm and prevent it from firing. Further jogging should now see the throwing arm follow the drive bolt. If not, repeat the procedure but jog the gearbox block further round before pushing the arm around.

Once the arm is locked onto the drive pin disconnect the battery.

This is TRANSIT MODE. The arm is now trapped between the drive bolt in one direction and locked on the one-way bearing within the trap. It cannot move or release again until power is applied and the ARM/DISARM switch operated.

### Disarming the machine (Safe mode).

1. To disarm the machine push the **ARM/DISARM** switch momentarily to the **DIS-ARM** position and immediately release (long enough for the trap to fire, but not giving the machine a chance to rearm). The throwing arm should be pointing towards the front of the machine.
2. Turn the **ON/OFF** or **I** switch (if fitted) to the OFF or **O** position and disconnect the battery.

### Firing the machine (Ensure the range is clear at the front of the trap.)

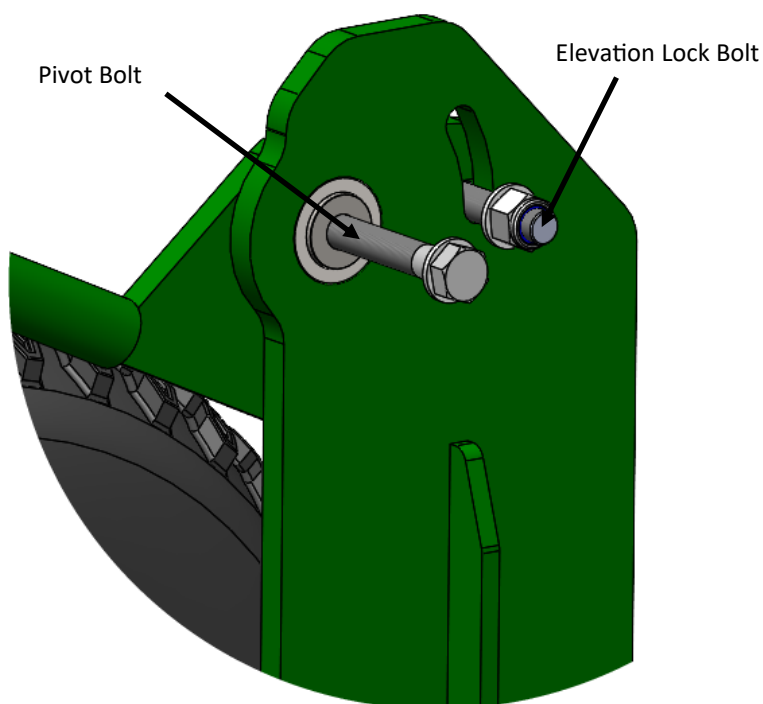
1. Turn the **ON/OFF** or **I** switch (if fitted) to the ON or **I** position and set the **ARM/DISARM** switch to the **ARM/LOAD** position. The machine will move automatically and arm itself ready to launch a loaded clay.
2. Press the **FIRE** button on the command cable to throw a clay.
3. The machine will fire every time the **FIRE** button is pressed and will automatically rearm itself, until disarmed and switched off. When switched off, disconnect the power source.



### **Elevation Lock and Pivot bolt.**

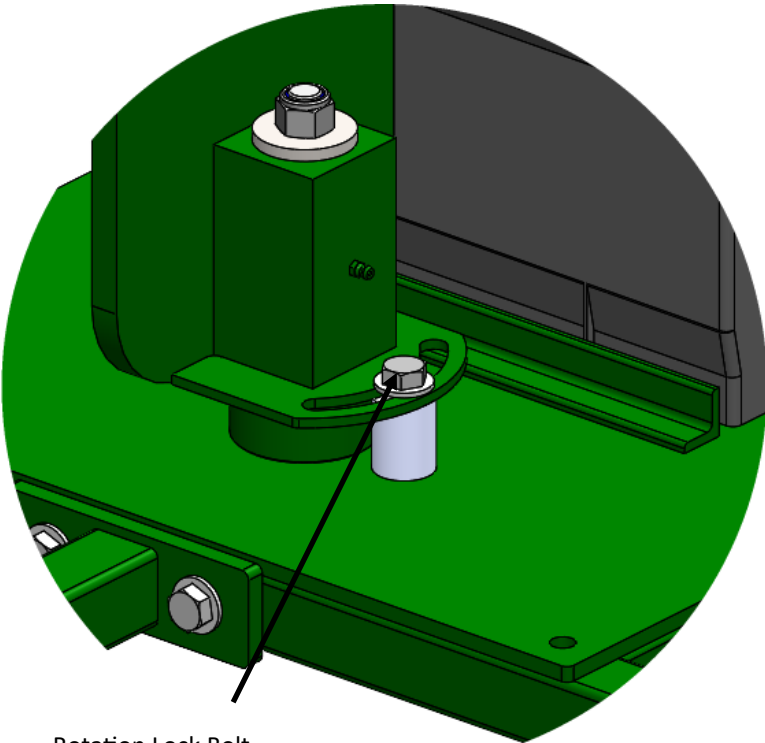
The pivot bolt should be only tight enough to prevent excessive movement of the trap on the trolley, but allow the trap to elevate easily.

The elevation lock bolt should be looser to allow elevation, but tightened fully to lock the trap at any given angle if a fixed elevation angle is required.



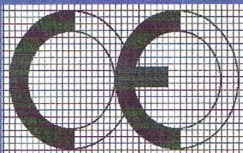
**Rotation lock bolt.**

In its usual free setup, the trap can be moved through 90°, 45° either side of centre. The trap rotation can be locked simply by tightening the bolt on the trolley base.



Rotation Lock Bolt

Notes.



# Barclay-Phelps

**CE Marking Consultants**

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## **CERTIFICATE & DECLARATION OF CONFORMITY FOR CE MARKING**

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### **Promatic International Ltd. declares that their:**

Clay Target Launchers listed as the following models

Elite, Hawk, Superhawk, Harrier, Harrier ABT/Wobble, Eagle, Eagle Battue, Falcon, Hobby / Merlin, Ranger 8, Osprey/All American Ranger, Ranger Battue, Ranger ABT/Wobble, Sporter 400TT, Sporter 400TT ABT/Wobble, Super Sporter Battue, Super Sporter, Super Sporter Downhill Thrower, Super Sporter ABT/Wobble, Rabbit, Squirrel, Ranger Chondell, Chondell, Hunter Wobble, Huntsman, Huntsman XP, Fieldsman, Club Skeet, Pro Skeet, Int Skeet, Olympic Trap, Club 275 DTL/ATA, International DTL/ATA, Pro ABT/Wobble, Auto Trap DTL/ATA/ABT/Wobble, International Doubles DTL/ATA/Wobble and Sporter Doubles DTL/ATA/Wobble

### **are classified within the following EU Directives:**

Machinery Directive 2006/42/EC

Electromagnetic Compatibility Directive 2004/108/EC

### **and further conform with the following EU Harmonized Standards:**

EN 12100-1:2003+A1:2009 EN 12100-2:2003+A1:2009  
EN 61000-6-3:2007 EN 61000-6-1:2007

**Dated:** 19 April 2011

**Position of signatory:** Group Technical Director

**Name of Signatory:** Graham Stephen Fair

**Signed below:**

p.p. Promatic International Ltd.



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