

TROUBLESHOOTING

Make sure the trap is uncocked and electrical power is disconnected before proceeding!

Problem 1 TrapLoader won't load

- A. Check power supply to trap
- B. Check feeder slider for debris or jam

Problem 2 TrapLoader continues to feed targets

- A. Check position of urethane rollers (C-1033)
- B. Check position of lower knives and loose shoulder bolts

Problem 3 Clay targets are broken on carrier arm

- A. Check for a bad batch of clay targets
- B. Check alignment of feeder slider to carrier arm

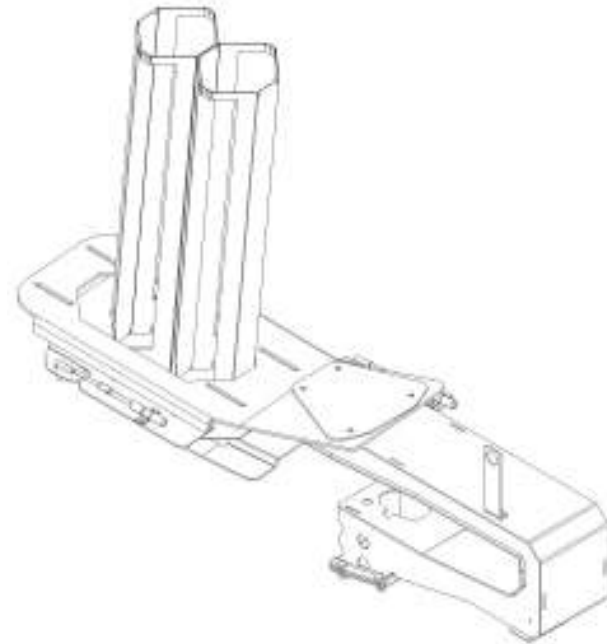
AFTER SALES SERVICE

Any items found to be missing in the box or defective items will be provided free of charge by Western Retro Products Ltd.

To order parts, contact us directly at 1-250-216-8937 or by email: ian@westernretro.net

Business hours Monday to Friday
from 8:00 to 17:00 (Pacific Standard Time)

User Manual for the TrapLoader DS100



AN IMPORTANT MESSAGE TO USERS

These instructions contain important safety information. For operator safety, it is important to review the warnings, cautions and safety topics. We recommend users periodically review and reinforce the information in this manual.

FOR YOUR SAFETY

- A. Warning! The Western trap can cause serious injury. Never leave the trap in the cocked (ready to fire) position when not in use.
- B. Do not attempt to adjust or reach into the TrapLoader while the trap is on. Always turn the trap off and uncock the throwing arm before making adjustments to the TrapLoader.
- C. Always keep the X400 trap release switch (aka. pull cord) in a safe location while working on the trap.
- D. Do not wear loose clothing when operating the trap machine.
- E. To help prevent electric shock ensure your trap machine is properly grounded in accordance to local electrical codes.
- F. Shoot well and take care of yourself and others by choosing appropriate locations to shoot.

TOOLS REQUIRED

- Two 7/16" wrenches
- Hammer or Rubber mallet
- Knife or box cutter
- 1" Crescent wrench
- 7/8" & 3/4" wrench
- Flat head screw driver or punch
- Side cutter

- B. For singles slide the feeder slider into position and load the first target stack.
- C. Turn the trap machine on and press the target release switch to load a target.
- D. Check the position of the clay target(s) on the carrier arm assembly.
- E. Align feeder slider to carrier arm as necessary to ensure target(s) are positioned correctly against the rubber carrier arm rail.

PERIODIC MAINTENANCE

To keep your TrapLoader DS100 in first class working condition we advise the following:

- A. Regularly clean your TrapLoader using a mild detergent and non-abrasive cloth. Dry off after use in the rain or wet conditions
- B. After each use check rollers (C-1033), Target holder tubes (C-1011) & Sleeve bushing (C-1002) for wear.
- C. Occasionally (Every 5,000 targets) lubricate the lower and upper knives with 10-30W motor oil.
- D. Occasionally (Every 5,000 targets) ensure fasteners are not loose.
- E. Regularly maintain your Western trap. Western Retro Products has detailed service information available for your Western trap.

NOTE: Western Retro Products sells a PARTS KIT for the TrapLoader DS100 which contains all necessary replacement parts required to service and maintain your loader in first class working order.

ALIGN FEEDER SLIDER TO CARRIER ARM ASSEMBLY

- A. Remove all clay targets in feeder slider.
- B. Loosen four 1/4"-20 nylock hex nuts on target support clamp.
- C. Remove mainspring adjustment screw (X42) from Western trap.
- D. Rotate carrier arm assembly (X5AW) into cocked position.
- E. Look down into feeder slider assembly. Align left lower knife (P-2018) to rubber carrier rail (N19W) on X5AW.
- F. Fasten four nylock hex nuts.
- G. Replace mainspring adjustment screw.

IMPORTANT NOTE: To avoid target breakage, personal injury and possible damage to trap equipment, targets must load as close to the rubber carrier rail as possible without bumping or loading on top of rubber carrier rail.

TARGET HOLDER TUBE

- A. Install target holder tube as shown and cut to size.

LOADING TRAPLOADER

- A. For doubles slide the feeder slider into position and load both target stacks.

UNPACKING

- A. Remove all packing materials with knife. Use caution to avoid scratching powder coated machine parts.
- B. Remove the clamp and target support clamp from the support arm assembly.

PREPARING YOUR TRAP

NOTE: A copy of the owners manual and parts list for the Western trap are provided online at www.westernretro.net. Replacement parts are available through Western Retro Products Ltd.

- A. Remove the X5AW carrier assembly.
- B. Remove two X157 carrier nuts, X156 lock washer, and two carrier washers.
- C. Inspect the N19W carrier rail and X91 carrier arm grommets and X92 bushings for wear. Replace if necessary.
- D. Remove the X6 carrier arm & 1/2 bolt.
- E. Replace the old bolt with the new longer 1/2"-2 3/4" long bolt (C-1001).
- F. Reinstall X6 & X5AW.
- G. Replace washers with target support (P-2009).
- H. Reinstall X156 lock washer.
- I. Reinstall X157 carrier nut and then insert sleeve bushing over the bolt (C-1001).
- J. Install carrier pivot nut (C-1007).
- K. Secure lock tabs on X156 lock washer against bolt (C-1001) and pivot nut..

ATTACHING TARGET BASE

- A. Insert four carriage bolts (C-1006) into the feeder slider (P-2003) assembly.
- B. Insert one nylon washer (C-1030) onto each of the four carriage bolts.
- C. Slide target base (P-2015) over target holders & onto feeder slider.
- D. Insert one nylon washer onto each of the four carriage bolts and install wing nuts (C-1008).

ATTACHING TARGET BASE TO SUPPORT ARM

- A. Insert four carriage bolts (C-1006) into support arm assembly.
- B. Secure target base to support arm assembly using target support clamp (P-2010).
- C. Fasten with four 1/4"-20 nylock hex nuts (C-1009).
- D. Install cable support (P-1001) with two 10-24 x 5/8" machine screws (C-1010) into support arm assembly.
- E. Insert strain relief into cable support.

ATTACHING TRAPLOADER

- A. Place TrapLoader onto uncocked trap by rotating carrier arm assembly (X5AW) counter clockwise until (A) feed cam (P-2016) falls into position around sleeve bushing and pivot nut, and (B) pivot nut is completely inserted into roller bearing (C-1005) on support arm.
- B. Check alignment of support arm on trap upper frame assembly (X4BW) and specifically trigger pins X12W & X13W.
- C. Secure TrapLoader to trap with clamp (P-2002) using four 1/4"-20 x 3/4" bolts and 1/4" nylock hex nuts.
- D. Recheck alignment of support arm to upper frame assembly. Ensure pivot nut is completely inserted into roller bearing. Ensure support arm assembly is seated evenly about X12W & X13W trigger pins on X4BW upper frame assembly.

FEEDER SLIDER ALIGNMENT

- A. Loosen the four wing nuts (C-1008).
- B. Slide feeder slider assembly fully forwards for doubles shooting.
- C. Slide feeder slider assembly fully backwards for singles shooting.
- D. Fasten the four wing nuts.