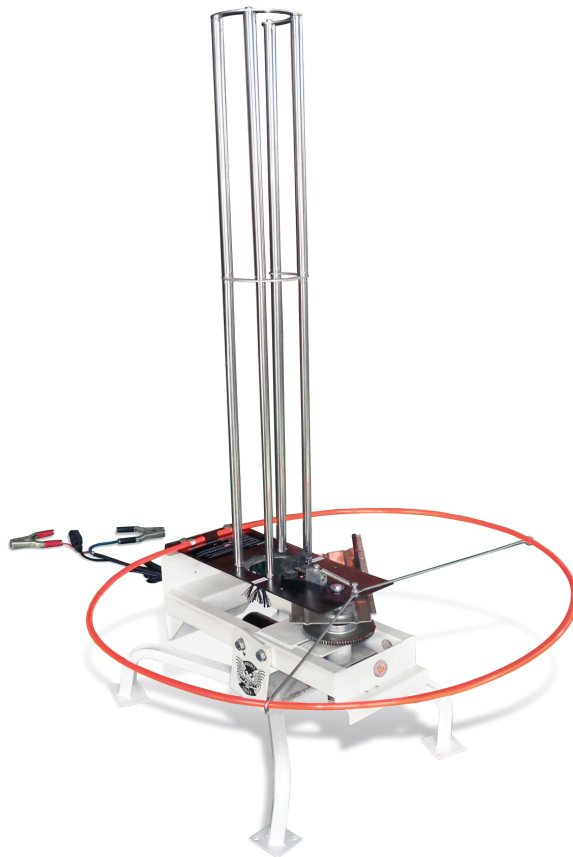




DOUBLE EAGLE AUTO TRAP

Model: DE2

Operating Manual



DO-ALL OUTDOORS, LLC
Nashville, Tennessee, USA
Customer Service: 1(866)SHOT-DOC
www.doalloutdoors.com

**WARNING: TO AVOID SERIOUS INJURY, PLEASE READ
AND FOLLOW ALL INSTRUCTIONS PRIOR TO USE**



! WARNING !

THIS DEVICE CAN BE DANGEROUS AND MUST BE HANDLED WITH EXTREME CARE TO AVOID SERIOUS BODILY HARM

NEVER PLACE ANY BODY PART IN THE WAY OF ANY MECHANICAL PIECE OF THIS TRAP WHILE LOADED

ALWAYS DISARM THE TRAP BEFORE LOADING, ADJUSTMENTS, OR MAINTENANCE

ALWAYS DISCONNECT SPRING WHILE IN STORAGE, WHILE TRANSPORTING, OR NOT IN USE

NEVER STAND TO THE RIGHT OF THE THROWER OR IN THE PATH OF THE THROWING ARM

ALWAYS WEAR PROPER EAR & EYE PROTECTION WHILE OPERATING OR ADJUSTING TRAP

NEVER ALLOW CHILDREN OR UNTRAINED PERSONS TO APPROACH OR USE THE TRAP

ALWAYS INSPECT TRAP TO ENSURE UNIT IS IN GOOD OPERATING CONDITION PRIOR TO EACH USE

DO-ALL TRAPS, LLC DBA DO ALL OUTDOORS, LLC DOES NOT ACCEPT ANY RESPONSIBILITY FOR DAMAGES AND/OR INJURY SUSTAINED FROM THE USE OR MISUSE OF THIS PRODUCT

****SHOOTER SHOULD ALWAYS STAND TO THE LEFT OF OR BEHIND THE TRAP FOR SAFETY REASONS**

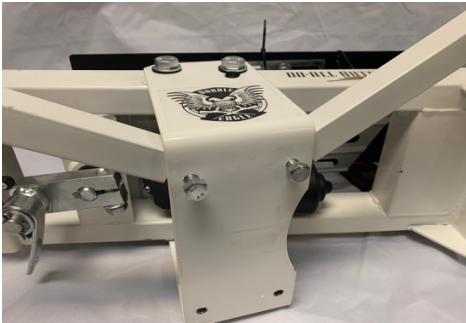
<p><u>REQUIRED TOOLS</u></p> <p>19MM Wrench/Socket 14MM Wrench/Socket 10MM Wrench/Socket Crescent Wrench</p>	<p style="text-align: center;">12V DEEP CYCLE MARINE BATTERY IS RECOMMENDED FOR OPTIMAL PERFORMANCE. **TOOLS & BATTERY NOT INCLUDED.</p> <p>Please follow the instructions and reference the pictures while assembling your Double Eagle Auto Trap. Failure to complete proper assembly could result in damage to Trap and/or bodily harm.</p>
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DO NOT discard the packaging materials until your Trap is fully assembled. Small parts and pieces may be loose in the box, care should be taken while opening and sorting through the packaging. Please call **866-SHOT-DOC** if you are missing parts or have assembly questions.



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ASSEMBLY



1. Carefully remove trap from the box. Loosen the 14MM bolts on the base of the trap head enough to slide two legs through as shown on the picture to the left. Repeat for the other side and tighten.

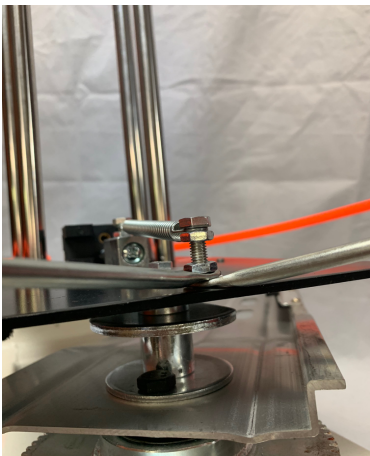


2. When all four legs are installed, place the trap right side up on the ground. Locate the longer of the pigeon stacker tubes and install the thinner tubes by holes near the stickers "Small Poles" and thicker tubes towards the back.

3. Place one of the metal horseshoes on top of the four tubes with the opening facing the back of the trap. Take the smaller tubes and screw them through the holes in the horseshoe and into the top of the already installed tubes.

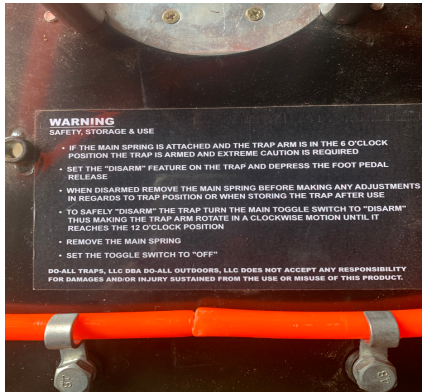


4. Take the second metal horseshoe and place it on top of the stacker tubes with the opening facing towards the back of the trap. Using the four 10MM bolts, screw down the metal horseshoe into the threaded holes in the stacker tubes and tighten with a 10MM socket or wrench.



5. Using a 10MM socket, remove the bolt with the plunger spring attached. The spring will want to pull the bolt back so as you get close to removing the bolt be sure to hold the bolt and spring. Take the safety ring arms and push the bolt through the two holes in the arms making sure the two nuts stay on the bolt. Thread the bolt back into the hole you just unscrewed it from. When it seats far enough to hold the spring in, take the bottom nut and hand tighten it to the top of the safety ring arm and the top nut and hand tighten it to hold the spring in place against the head of the bolt.

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6. Loosen the 14MM bolts towards the back of the trap head and slide each side of the safety ring under the clip. Snap the ring into each arm hook so it makes a full circle around the trap and tighten the 14MM bolts to hold down the ends.

7. Rotate the arm to 12 O'clock. Insert one end of the black main spring into silver swiveling spring hook attached to the clutch. Attach spade bolt to the other end of the black main spring and feed the threaded side of the spade bolt through the opening at the back of the trap. Using a crescent wrench, tighten the locknut on the back until 2-3 full threads are exposed.

THE TRAP IS NOW LIVE!

PLEASE USE EXTREME CAUTION AND ALWAYS REMOVE SPRING WHEN TRANSPORTING, ADJUSTING, OR STORING THE TRAP.

OPERATION

1. Make sure deep cycle battery (not included) is fully charged. Before clamping alligator clips to battery, make sure the toggle switch on the trap is set to off.
 - **NEVER CARRY TRAP BY THROWING ARM**
2. Connect the foot pedal to the corded 3 prong plug coming out of the trap.
 - **NEVER PLUG THIS INTO A WALL.**
3. Connect the red alligator clip to the positive battery post and the black alligator clip to the negative battery post.
4. Flip the switch up to "disarm." Once arm moves to 12 o'clock position, turn the machine back off and load the clays into the stacker tube assembly. Once the trap is loaded, you can flip the switch to "on." The arm will rotate counter-clockwise and automatically load a clay onto the throwing arm.
 - STANDARD SIZE AMERICAN FLYER CLAY PIGEONS RECOMMENDED.**
5. ALWAYS set trap up pointing away from bystanders, trees, and animals with a recommended 400 meter open field/shot fall zone. Always look over the trap for damage and test throw a few clay pigeons before use to make sure the trap is operating properly.
 - NEVER ADJUST TRAP WHEN COCKED AND IN FIRING POSITION!!!**
6. With the shooter/bystanders standing to the left or behind the trap, press the foot pedal to throw the clay. **Please test fire prior to shooting at clay pigeons.**

SWITCHING BETWEEN SINGLES & DOUBLES

1. Make sure the trap is disengaged, the throwing arm is at 12 o'clock, and the battery is disconnected before switching the plunger. Be sure to have pigeon stack empty.
2. Using a 10MM socket/wrench, unscrew the bolt holding the plunger spring and safety ring arms. Remember to hold the spring as the bolt comes out as it will try pull it back.
3. Once the spring has been removed, pull the plunger back into the feeding hole and rotate 180 degrees. Push the plunger back and reinstall spring and bolt exactly how it came apart. This process will switch the trap from throwing singles to doubles.

TROUBLESHOOTING

*****ALWAYS REMOVE MAIN SPRING PRIOR TO TROUBLESHOOTING!!!**

MACHINE NOT TURNING ON

1. CHECK BATTERY CONNECTION. THE MACHINE DRAWS 16 AMPS TO WORK PROPERLY. WE RECOMMEND A DEEP CYCLE BATTERY WITH A MINIMUM OF 675 COLD CRANKING AMPS.
2. CHECK RELAY. PLEASE CALL CUSTOMER SERVICE.

AUTO FIRING/NOT FIRING

1. IF THE TRAP CONTINUES TO FIRE, UNPLUG THE FOOT PEDAL. IF IT STOPS, THE SCREWS ON THE FOOT PEDAL NEED TO BE LOOSENED TO DEPRESS THE PEDAL DURING OPERATION.
2. IF FOOT PEDAL ISSUES CONTINUE, PLEASE SEE OUR TROUBLESHOOTING PAGE ON OUR WEBSITE FOR TESTING YOUR FOOT PEDAL.
3. ONCE YOU HAVE ESTABLISHED YOUR FOOT PEDAL IS NOT THE ISSUE, MOVE ON TO THE LIMIT SWITCH. IF YOUR TRAP CONTINUES TO AUTO FIRE, ADJUST THE LIMIT SWITCH ARM UP SO THE ARM WILL TRIGGER THE LIMIT SWITCH EARLIER TO STOP THE ARM FROM CONTINUOUS FIRING.
4. IF THE TRAP WILL NOT FIRE AND COINCIDES WITH THE LIMIT SWITCH, THIS MEANS THE ARM IS STOPPING TOO SOON. THE LIMIT SWITCH NEEDS TO BE ADJUSTED DOWN AND THEN RECHECKED TO ENSURE PROPER FIRING.
5. A GOOD RULE OF THUMB FOR ARM PLACEMENT WHEN LOADED IS TO MAKE SURE THE CLAY LOADS BETWEEN 1/2 AND 1 INCH FROM THE RUBBER STRIP. IF IT'S FARTHER, THE ARM IS STOPPING TOO SOON.

BREAKING CLAY PIGEONS

1. MAKE SURE THE STACKER TUBE HORSESHOE OPENING IS FACING THE REAR OF THE TRAP. THE ARM SHOULD ALWAYS BE IN THE 12 O'CLOCK POSITION WHEN LOADING CLAY PIGEONS.
2. IF TRAP IS "JUMPING" AROUND WHEN THE ARM SWINGS, THIS COULD BREAK CLAYS IN THE STACK OR WHILE LOADING ONTO ARM. THE TRAP SHOULD BE SECURED USING STAKES (NOT INCLUDED) OR BY MOUNTING TO A BOARD OR PIECE OF PLYWOOD FOR STABILITY.
3. WHEN THE STACK GETS DOWN TO A FEW CLAYS, THE MOTION OF THE TRAP CAN THROW THE CLAY PIGEONS AROUND AND THEY BREAK. ONCE YOU GET DOWN TO 2-3 CLAYS LEFT, ADD MORE TO WEIGH DOWN THE STACK AND CONTINUE SHOOTING!
4. CHECK TO SEE WHERE THE BASE OF THE FEEDER BRUSHES ARE TO THE TOP OF THE CLAY ARM. THE MOUNTING HARDWARE SHOULD NEVER TOUCH THE TOP OF THE BIRD. IF THIS IS HAPPENING, THE ARM OR TRAP CHASSIS IS BENT.

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OTHER

1. IF THE BIRD IS FLYING WITH A WOBBLE, THE THROWING ARM IS BENT AND WILL NEED TO BE BENT BACK. NEVER CARRY THE TRAP BY THE ARM.
2. IF THE MAIN GEAR AND MOTOR ARE MOVING BUT THE THROWING ARM ISN'T THEN THERE MAY BE AN ISSUE WITH THE CLUTCH ASSEMBLY. PLEASE REFER TO THE CLUTCH TEST INSTRUCTIONS ON THE TROUBLESHOOTING PAGE ON OUR WEBSITE.
4. ALWAYS CHECK THE GREASE ON MAIN GEAR & MOTOR SPROCKET. ADD SILICONE GREASE WHEN NECESSARY TO KEEP GEARS IN PROPER WORKING ORDER.
5. MAKE SURE THE THROWING SPRING IS TIGHT. DISTANCES CAN BE ADJUSTED BY TIGHTENING THE SPADE BOLT THROUGH THE BACK OF THE TRAP HEAD THAT IS CONNECTED TO THE SPRING.

Warranty & Customer Service

Register your product online at www.doalldoors.com. Receipt is **required** for warranty registration. **ONE YEAR PARTS WARRANTY.**

1(866)SHOT-DOC

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**Find tech tips, instructions, troubleshooting videos,
and more online!**



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