

OPERATING INSTRUCTIONS – MEC 408 CHANDELLE MACHINE

CAUTION: ANY MEC MACHINE MUST BE IN THE DISARMED STATE WITH THE BATTERY DISCONNECTED PRIOR TO MAKING ANY ADJUSTMENTS, LOADING WITH CLAYS OR TRANSPORTING

Ensure that the machine is set on level ground, either on the optional T Cart or a pallet. Ensure that the machine is in the **DISARMED/SAFE** position and that the battery is disconnected.

Check the height / clearance of the knife-edges by placing a clay in the carousel. Rotate the carousel so that the clay starts to pass underneath the inner and outer knife separator blades. The clay must pass freely under the knife separator blades without binding but with the minimum of clearance. Adjust if necessary with 7/16" open ended wrench. The height on both the inner and outer knife edge will need to be adjusted. Please note, the photos below show knife edges being set with a Rabbit target instead of a standard target, but the same principle applies.



Put some clay's in the carousel, but do not fill just yet, as this will make it easier to adjust the elevation and tilt of the machine.

It should be pointed out that if the machine is tilted forward it will throw a low target along the ground. Tilting all the way back will allow the machine to throw a vertical teal target.

Adjust machine elevation by loosening the silver clamping nut on the elevation slots on either side of the machine using a 3/4" wrench. There is no need to loosen the 3/4" gold colored locknuts as they are loose enough to allow the machine to be elevated. Tip machine forwards or backwards to the desired angle and then retighten the two silver clamping nuts.

Adjust machine tilt by loosening the silver clamping nut at the front and rear of the square base plate upright slots using a $\frac{3}{4}$ " wrench. There is no need to loosen the $\frac{3}{4}$ " gold colored locknuts as they are loose enough to allow the machine tilt.

The machine can be tilted to one side to allow the target to curl. When viewed from behind, the machine can be leaned further to the left for a dome down type target when throwing standard clays only.

Please note that on all MEC Chandelle machines a Rabbit Plate will need to be fitted to the Throwing Plate to allow Rabbit targets to be thrown.

FITTING THE RABBIT PLATE

Before attempting to work on the machine, please ensure that the machine is in the **DISARMED/SAFE** position and that the battery is disconnected.

Remove the outer guard by un-doing the $\frac{3}{4}$ " locknut on the front and the three $\frac{1}{2}$ " locknuts on the rear of the machine as shown in the photo below.



Remove the curved Back Rail from the Throwing Plate using an 11/16" wrench to undo the two locknuts on the back side of the Throwing Plate. The Rabbit Plate is attached to the back side of the Throwing Plate and also needs to be removed using an 11/16" wrench. There are five Allen bolts in total attaching the Rabbit Plate to the Throwing Plate.



With the Rabbit Plate removed, it now needs to be attached to the front side of the Throwing Plate as shown in the photo below. Also refit the curved Back Rail to the Throwing Plate.



Refit the Outer Guard to the side of the machine

The Clay Deflector that is attached to the inside of the Outer Guard will now need to be adjusted. This is done by un-winding the two lower 11/16" locknuts on the side of the outer guard. By loosening these two locknuts the spring loaded Clay Deflector is pushed closer to the clay. This is necessary as the thinner Rabbit clays would fall out the bottom of the machine if the Clay Deflector was left set for Standard clays.



Un-wind the two locknuts enough so that when a Rabbit clay is loaded the deflector supports it and holds the clay against the throwing plate as shown below.



Fill the machine with targets and set the elevation etc, before reconnecting the battery.

Unwind the battery and pull cord cables at the back of the machine and lay them out on the ground.

Attach the battery connections to the battery, ensuring a good contact. Do not connect the pull cord to the machine at this stage.

Ensure that the clays about to be thrown are aimed into a safe area. Press the toggle switch to the ON position. Push the toggle switch to the DISARM position to fire the clay and check for the required trajectory.

If necessary adjust the main spring tension to give the correct throwing distance. Ensure that the nuts on the spring stud are tightened against each other.

The pull cord cable or radio release can now be connected to the orange three pin female plug coming off the machine.

The machine is now ready to use. Turn the machine on the ARM position, the machine will now load a target and is ready to throw. The machine must be treated with **EXTREME CAUTION** at this point. Do not stand in front of the machine or allow anyone else to do so.

No loading or adjustment to the machine should be carried out unless the machine is visibly in the **DISARMED/SAFE** position and the battery disconnected.

To disarm the machine, push the toggle switch to the DISARM position, allowing the machine to throw the last clay before the toggle springs back to the OFF position.

After use, the machine must be left in the **DISARMED/SAFE** position and the battery disconnected.

For any questions regarding setup or use of any MEC Clay Trap, please call our toll free number 1-800-676-0365. Alternatively go to our website for video footage showing how setup and adjustment is made, www.mecshootingsports.com.