



CLAY TARGET MACHINES

100E MIDI CONVERSION INSTRUCTIONS

MEC P/N – 120000417

CAUTION: ANY MEC CLAY TARGET MACHINE MUST BE IN THE DISARMED STATE WITH THE BATTERY DISCONNECTED PRIOR TO MAKING ANY ADJUSTMENTS, LOADING THE CLAY TARGETS OR TRANSPORTATION OF MACHINE.

NO.	Description	QTY.	P/N
1	100E MIDI CAROUSEL WELD	1	120000259
2	6 STACK MINI LET DOWN RAMP	1	120000321
3	100E MIDI INNER KNIFE EDGE	1	120100407
4	SPACER- 1" I.D. BRONZE WSHR	2	120500032

NOTE: THE FRONT RAIL IS DESIGNED TO PUT THE CLAY AT A CONSTANT POINT ON THE THROWING ARM. THEREFORE, TO THROW A MORE CONSISTENT TARGET YOU CAN ORDER THE 120000418 FRONT RAIL KIT IF YOUR MACHINE IS NOT EQUIPPED WITH IT.

Step 1: With machine disarmed, remove the carousel by using a $\frac{3}{4}$ " wrench. Next, remove the washer and the grey carousel spacer.





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Step 2: Remove both nylon nuts from the top plate by using a ½" wrench. Also, remove the ½" nylon nut above the throwing arm.



Step 3: Take top plate off the machine.





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Step 4: Remove inner knife edge by taking off the three nuts using a 7/16” wrench. Install the midi inner knife edge and retighten the three nuts. Knife edge will be set for height in later step.



Step 5: Using a 7/16” wrench, remove the two hex head bolts that are securing the letdown ramp. Remove the standard size letdown ramp, and attach the mini let down ramp using the same bolts.





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Step 6: Using a 7/16" wrench and a Phillips screwdriver, loosen the nuts on the back rail until adjustments can be made.



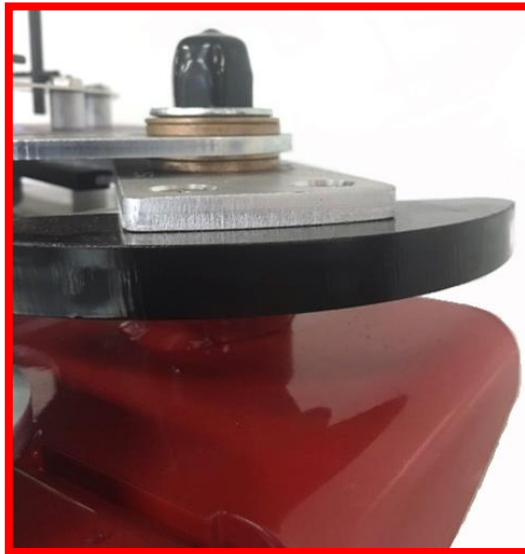
Step 7: For midi targets, make sure back rail is pushed in to narrow the gap. Set the back rail so the clay can smoothly transition from the soft fall plate through the front rail without pinching the clay.





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Step 8: Make sure that there is one thick bronze washer and one thin bronze washer on top of the throwing arm. After top plate is reattached, make sure there is one thick bronze washer and one thin bronze washer on top of the throwing arm. Then add the silver washer above the bronze washer.



Step 9: Secure the top plate to the frame using the two 5/16" nylon nuts, and the 1/2" nylon nut. Place midi carousel onto the machine. Do not put hardware on carousel shaft at this time.





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Step 10: Using a 7/16" wrench and a midi clay, reset the inner and outer knife edges to appropriate height. The height should be set so there is about a gap the size of a business card in between the ridge of the clay and the knife edge.



Step 11: Reattach carousel in this order. Place carousel on shaft, put on grey spacer, put on silver washer, and then tighten on 1/2" nut. Set carousel tension so you cannot free spin carousel, but be sure to not completely tighten carousel to where it locks in place.





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This completes your midi conversion.

