

## **Replacing the Lower Discharge Wheel**

(Manual Machine - Refer to accompanying photo/parts list on page 3)

### **Please Note: Take care not to lose screws or other small parts you may encounter**

1. Open the top Tray and remove the two screws holding the Tray/Spout assembly onto the machine. Set the Tray/Spout assembly and screws aside. Turn the machine upside down. You will see the Lower Discharge Wheel (part D) attached to the Lower Discharge Unit (part 1) assembly. Please remember the location and orientation of the bracket in order to replace it the same way later.
2. The Lower Discharge Wheel Bracket (part E) is attached to the machine by two large screws. Remove these screws and you should be able to remove the Lower Discharge Unit. The Wheel is spring loaded so it may jump a bit as the screws are loosened.
3. Some machines may also have 2 pins that aid in holding the Bracket in place. These pins may come out with the Bracket, or stay in place on the machine. Just leave them, and remember them when it comes time to replace the Unit.
3. There is a Lower Discharge Wheel Spring (part F) attached to the Lower Discharge Wheel Yoke (part A) and the adjacent bracket. Take note of how this Spring is positioned on the Yoke and bracket so you can replace it exactly the same way later. Also, note how there is a notch in the Yoke that catches on a tab on the Bracket; you'll need to replace it exactly the same way later.
4. There is a small screw on the side of the Lower Discharge Wheel Yoke (NOT the one on top of the Bracket; leave the bracket screw alone for now). Remove the screw from the side of the Yoke, and the Yoke and Spring should slide off the Eccentric Shaft (part C). You may need to use a flat-head screwdriver to hold the other end of the Eccentric Shaft in place while you do so. Leave the Eccentric Shaft in place. Make sure you note how the Yoke is oriented so as to replace it the same way later.
5. Once the Yoke/Wheel assembly is free, there should be a small set screw holding the Lower Discharge Wheel onto the Lower Discharge Wheel Shaft (part B). Remove this screw, and you should be able to push the Shaft out and free the Wheel.
6. Attach the new Wheel by sliding the Lower Discharge Wheel Shaft through the Yoke and Wheel and reattaching the set screw (do not over-tighten, just tighten firmly). Basically, reverse the actions of Step 5. Optionally, you may also want to add 1 drop of 3-in-1 oil to the shaft if it seems necessary.
7. Slide the Yoke/Wheel assembly back onto the Eccentric Shaft in the same orientation as it was before, with the Spring positioned the same way it was before. Remember, the notch on the Yoke should be caught by the tab on the bracket. Reattach the screw you removed in Step 5. (This step may be somewhat difficult, as you will need to hold the unit together while tightening the screw.)
8. With the Lower Discharge Unit reassembled, you can now replace it in the machine. Place the Unit into the machine as it was when you removed it. (Remember the pins if your machine had them.) It may take a little effort to get the spring-loaded wheel to move enough to allow you to position the bracket. You will need to hold the Unit in place while you retighten the screws.

9. Now that the Unit is back in place, it is necessary to adjust the Wheel height. With the machine upside down, you'll see the set screw that is on the top of the Lower Discharge Wheel Bracket sticking up. Loosen this screw about a 1/2 turn, but do not remove it.

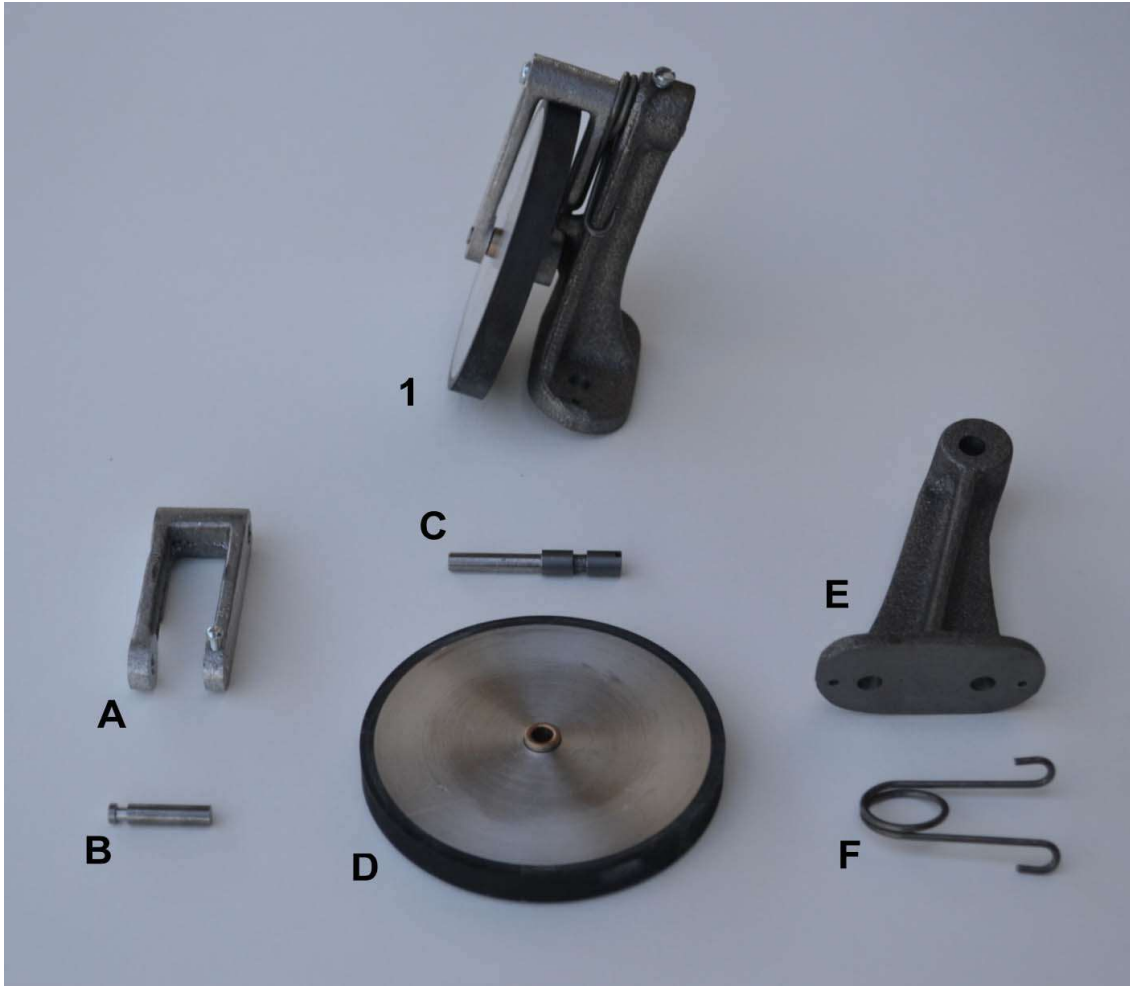
10. Turn the machine right side up, with the front facing you. Turn the Coin Gauge to the Dime setting. There is a small hole in the right hand side of the machine. Slide a flat-head screwdriver into this hole so it meshes with the flat-head groove on the Eccentric Shaft. Sometimes, it may be necessary to lift up the machine for a moment to see how to get the screwdriver into the slot.

11. Look through the front of the machine where the coins come out so you can see both the Upper and Lower Wheels. Turn the screwdriver back and forth and you will see the gap between the Wheels change. Make this gap slightly less than the thickness of a dime. Once set, turn the machine upside down and re-tighten the set screw.

12. Use your hand to manually turn the coin Disc while watching the Lower Wheel turn to make sure it moves without impediment. If satisfied, try running a small amount of coins to verify all is working well. Replace the Tray/Spout Assembly if all is well.

If you have any issues or question please call us and we can help you through the procedure.

## Lower Discharge Unit #93-2220



<b>Item #</b>	<b>Part #</b>	<b>Description</b>	<b>Price</b>
1	#93-2220	Lower Discharge Unit	\$114.00
A	#3-22211	Lower Discharge Wheel Yoke	\$23.00
B	#3-2225	Lower Discharge Wheel Shaft	\$3.00
C	#3-22212	Eccentric Shaft	\$15.25
D	#93-2210	Lower Discharge Wheel	\$45.00
E	#3-2222	Lower Discharge Wheel Bracket	\$28.00
F	#3-2223	Lower Discharge Wheel Spring	\$3.00