KLOPP®
INTERNATIONAL, INC.

1567 North Bend Dr
Tarpon Springs, FL 34689
TEL: 813/855-6789
800/356-9080
www.kloppcoin.com
sales@kloppcoin.com

REPLACING THE COIN GAUGE SHAFT

Please Note: Take care not to lose screws or other small parts you may encounter.
Refer to the photo on page 3 for parts descriptions.

1. On the upper right side of the machine are the Coin Gauge and the Coin Gauge Cover. Remove the Coin Gauge Cover from the machine, exposing the Coin Gauge. Set the Cover and its screws aside. Turn the Coin Gauge Knob to the Nickel setting.

2. You will see a vertical screw with a spring around it located between the Coin Gauge Assembly and the Silver Hopper ring. Remove this screw and spring and set them aside.

3. The Coin Gauge Assembly is held on by 2 screws, one in front and one behind. Remove these two screws and the Coin Gauge Assembly. **Please Note:** There is a small metal plate that is also attached to the rear screw; set it aside with the screws.

4. Under the Coin Gauge Assembly, there is a T-shaped bar called the Guide Rail. The small tab on the top of the Guide Rail fits into the groove on the underside of the Coin Gauge Assembly. Make note of the position of the Guide Rail, as you will need to make sure it's in the same place when you put everything back together.

5. The Coin Gauge Assembly may also rest on two pins, which varies with each machine. If you have pins, and one or both of the pins come off with the old Coin Gauge Assembly, re-insert them into the holes on the machine for re-mounting the Coin Gauge Assembly later. If you don't have pins, don't worry about it.

6. At this point, you may wish to clean the surface of the machine under where the Coin Gauge Assembly was, while you have access to it.

7. The Coin Gauge Assembly should still be on the Nickel setting. If you look at the Coin Gauge, you'll notice a nut and a Cam on the end where the Upper Discharge Wheel is, as well as the Coin Guide Finger that wraps around the Wheel. **VERY IMPORTANT: Pay close attention to the orientation of the Cam, as you need to make sure you reattach it the exact same way later on.** You may want to mark it for reference, or take a picture.

8. Remove the nut, and slide the Cam, Wheel, and Finger off the end of the Coin Gauge Shaft. The Finger has a small flange in the side. The flange sits on top of a pin, and has the end of a Spring looped over it. You'll need to put the Finger back this same way when you reattach it later.

9. There is a brass gear with a spiral groove in it, and you should be able to see a set screw in the gear. Remove the set screw and the Shaft should slide out of the Assembly. **Please note: If your machine is very rusty or extremely dirty, you may have difficulty removing this set screw. In some cases, the screw head has been known to shear off. If this happens, you would need to either replace the entire assembly, or send the Coin Gauge Assembly in to us in order to have it fixed.**

10. There is a half-circle Locator Pawl Spring which will come loose; take note of how it was attached, and set it aside for now. You can leave the Worm Gear and the Bracket as they are.

11. There is a screw inside the end of the Knob that holds the Shaft in place, remove the screw and pull the Shaft out of the Knob.

12. Insert the new Shaft into the Knob the same way the old one was. There is a pin that seats into a groove on the Knob, and there is a dimple on the Shaft that must line up with the Nickel setting on the Knob. Once it is lined up, use the screw you removed on Step 11 to fasten the two parts together.

13. This next step is a little tricky. You need to slide the Shaft back through the Bracket and the Worm Gear, and you need to line up the dimple on the Shaft with the screw hole in the Gear. It helps if you can get a bright light angled down into the hole so you can see. Otherwise, you have to hold the Shaft up next to the Gear/Bracket to compare the dimple and the screw hole to get an idea of how far the Shaft should slide in. Then, insert it and estimate whether you have it lined up, and then put the set screw in and tighten it down only as far as it just makes contact. Then, turn the Knob/Shaft to see if you can feel if the set screw is in the dimple or not. Repeat as necessary until you get the set screw properly down into the dimple, then tighten it.

14. Reattach the Pawl Spring by sliding one end into the small hole in the front of the Bracket, and looping the other end over the notch in the Pawl.

15. Take the Wheel (the old one, or a new one if replacing), and set it in the middle of the Finger, and slide both back onto the Shaft. The flange on the side of the finger needs to be on top of the pin, and have the Spring looped over it, the same way as it was when you removed it.

16. Make sure you are still on the Nickel setting. Slide the Cam back onto the end of the shaft, making sure it is the same orientation as it was when you removed it. Tighten the nut while keeping the Cam in place. The Cam should not be allowed to rotate when tightening the nut. You may need to mount the Coin Gauge in a vise, and use two small wrenches, one to hold the cam, and one to tighten the nut..

17. The Guide Rail Assembly has a pin, which seats into the groove on the Worm Gear in the Coin Gauge Assembly. You need to seat the pin in the groove, and then place the Coin Gauge Assembly back on the machine. If your machine had pins for the Coin Gauge Assembly, reseat the Assembly on the pins. It may take a little wrangling to get the pins and the Guide Rail situated properly, so be patient.

18. There is a small horn that sticks out of the front of the Hopper ring. The Cam should be under the horn.

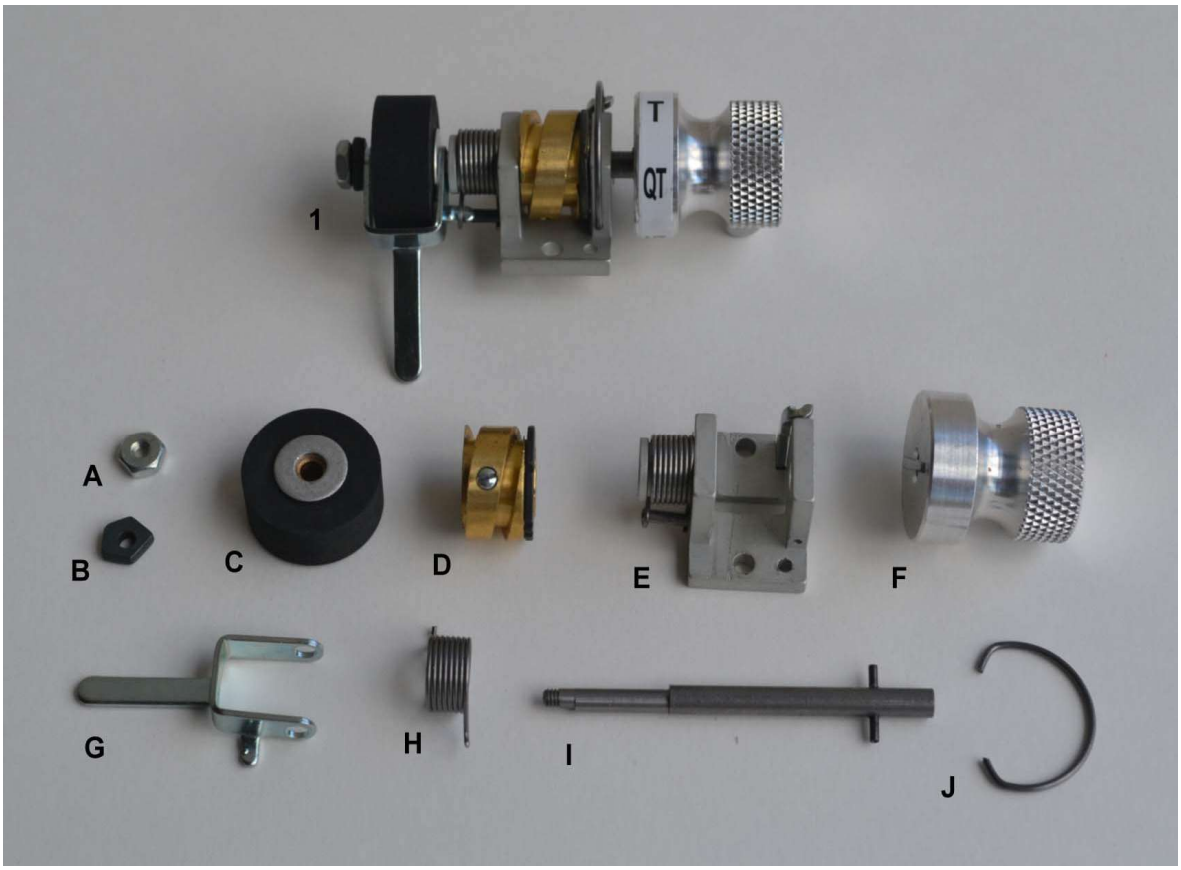
19. Take the two small screws and the small Hopper Plate and replace them. The small screw that goes in the front of the Coin Gauge Assembly should be snug but not tightened yet. The rear screw goes thru the square end Hopper Plate, and should also be snug but not tight yet.

20. Take the remaining screw, the one with the spring around it, and replace it. It goes through the small bracket on the Hopper and screws into the round end of the Hopper Plate. It can sometimes be difficult to hold it in place and push it down enough to get the screw to go in, so be patient. Once in, it should be screwed down all the way, but **DO NOT OVERTIGHTEN IT**. It can easily strip out. Tighten the other two screws now as well.

21. Turn the Knob to make sure all the settings work, and that the Guide Rail moves back and forth freely. Take 5-10 coins and set the Knob to the appropriate setting and test the operation.

If you have any problems, we'll be happy to help, just give us a call.

Coin Gauge Assembly
Part #93-5072



Item #	Part #	Description	Price
1*	#93-5072	Coin Gauge Assembly	$145.75
A	#278-350051000	Coin Gauge Hex Nut	$1.00
B*	#3-590	Cam/Coin Gauge	$9.00
C	#93-581	Upper Discharge Wheel	$15.00
D*	#93-53702	Coin Gauge Worm Assembly - 2000	$28.00
E	#93-5102004	Coin Gauge Bracket Assembly	$35.00
F*	#93-52702	Knob Assembly	$11.00
G	#3-570	Coin Guide Finger	$4.50
H	#3-560	Coin Guide Finger Spring	$2.50
I	#3-5210	Coin Gauge Shaft	$18.50
J	#3-550	Locator Pawl Spring	$4.00

*** - Model and Serial Number needed to ensure proper version of part is provided.**