

"WHEN ALL ELSE FAILS, READ THE INSTRUCTIONS!"

... YOUR MOTHER

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# KLOPP®

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## COIN COUNTERS - MODELS CM AND CE

The MODEL KK and FACTORY ADJUSTED MODELS to count the 1 1/8" token and the Canadian \$2.00 coin require additional instructions which are attached to the cover of this booklet.

### OPERATING INSTRUCTIONS AND PICTORIAL PARTS LIST

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Please read these operating instructions carefully. They are brief but very important. You are urged to save this manual for the time when you may wish to order a replacement part. Please also complete the attached warranty card and mail to us. This will place you on KLOPP's mailing list for future service and conversion information.

BE SURE TO READ OILING INSTRUCTIONS ON PAGE 4.



Model CE

Model CM

**KLOPP®**  
INTERNATIONAL, INC.

225 Dunbar Court  
Oldsmar, Florida 34677  
(813) 855-6789

This product is covered by a ONE-YEAR LIMITED FACTORY WARRANTY. Please see the enclosed "Complete Warranty Statement" for details, limitations and your responsibility under the warranty. If your Complete Warranty Statement has been misplaced, Call or write directly to KLOPP International, Inc., for a replacement.



# OPERATING INSTRUCTIONS

Please read these instructions thoroughly before operating your KLOPP Counter.

**A. COINS COUNTED** — Your KLOPP COUNTS \$, 25¢, 10¢, 5¢, 1¢ coins and the most popular size tokens which are the 1", .984, .900, .882 and .800 — one denomination at a time — **it will not** count mixed coins. (To sort, count and wrap all in one machine, ask about the KLOPP MODEL ET, "Everything Machine".)

If your counter was factory adjusted to count the 1 1/8" token or the Canadian \$2 coin, please see the additional Operating Instructions attached to the cover of this Operating Instructions booklet for the coins to be counted.

**B. WRAPPING TUBES** — Your KLOPP was shipped with cast aluminum wrapping tubes for the 25¢, 10¢, and 5¢ coins. Optional wrapping tubes are available for the \$, 1¢ plus 1" and .984 tokens and a combination tube for the .900/.822 tokens. The .800 token can be wrapped by using the 5¢ coin tube. If you wish to bag coins and tokens, one all-purpose bagging tube is also available and will bag all coins and tokens described above. These optional tubes may be ordered directly from the Klopp factory.

**C. 100% INSPECTION** — Your KLOPP is 100% inspected at the factory and has been operated with all denominations of coins and tokens. You should receive years of trouble-free service. On the very remote chance that you should have a problem or even just a question, please call "Klopp Service" (813) 855-6789.

**D. TO OPERATE YOUR KLOPP, DO THE FOLLOWING** (See Photo).

1. Pour a quantity of the same coins into the coin tray - not pictured.
2. Turn the Denomination Selector Knob to 1¢, 5¢, 10¢, 25¢ or \$T. It automatically sets the proper height and width in the counting track. \$ coins and 1" tokens are counted at \$T; .984 tokens are counted at the "25" setting; .900 and .882 tokens at a "9" setting and .800 at the "5" setting.
3. An automatically actuated coin stop blocks the flow of coins when the wrapper is filled. With the turn of a single Coin Stop Knob, stops may be set at 20, 25, 40, 50, or at "C" for a continuous flow of coins into a bag or hopper. Totals are recorded on a rugged, mechanical 5-digit resettable meter. Set the Coin Stop Knob to either "C" for continuous bagging or "40" for quarters and nickels, "50" for dimes and pennies, plus "20" or "25" where needed.
4. Set the meter at "0." (**IMPORTANT—READ "STEP E." NOW!**)
5. Snap on the proper coin wrapping tube and insert a bank coin wrapper from the bottom. Insert your finger just slightly into the bottom of the bank wrapper so that the first coin will lie flat on it.
6. If manual model, push down firmly on the Coin Stop Knob "3" and release. Then turn the crank to start coin flow.
7. If electric model, turn "ON" the motor and push down firmly on the Coin Stop Knob "3" and release to start coin flow. Or, for your convenience, a Coin Stop Trip is located near the bottom of the wrapping tube - just push the Trip up and release to start coin flow.
8. Continually feed coins from the tray to the hopper. **DO NOT** overfill hopper - 1/3 full is ideal . . . overfilling will slow the coin flow. 20, 25, 40, or 50 coins will be dispensed into the wrapper and then stop.

9. Remove the full bank wrapper and fold ends. Insert another empty wrapper and again either push down and release the Coin Stop Knob or push up and release the Coin Stop Trip to restart coin flow.

10. To COUNT AND BAG (not wrap) - Replace the wrapping tube with an optional bagging tube and set the Coin Stop Knob at "C" for continuous flow.

## E. CLEARING THE COUNTING MEMORY — IMPORTANT INFORMATION

Before counting and wrapping EACH DENOMINATION, it is necessary to **CLEAR THE COUNTING MECHANISM MEMORY**. If you did not have the exact number of coins/tokens on the last roll you counted, your KLOPP will deliver only the "balance due" on the first roll at the next counting.

To CLEAR YOUR MEMORY, do the following:

1. Prepare to count as you normally would (see D "To Operate Your KLOPP").
2. Do not insert a wrapper as you normally would. Instead, hold your hand under the tube.
3. Turn "ON" the motor or turn the crank and release the flow of coins/tokens either by depressing the Coin Stop Knob or by pushing up the Coin Stop Trip. When the "balance due" from the previous count is reached, no more coins/tokens will flow into the tube. Return the handful of coins/token to the hopper.
4. Reset the meter to zero and insert a wrapper in the tube.
5. Depress the Coin Stop Knob or push up on the Coin Stop Trip and you will now receive a full roll of coins/tokens.

## F. POSSIBLE ADJUSTMENTS

There are only three adjustments that should ever be necessary on your KLOPP. These are: Adjusting the tension on the combination tray leg/locking arm; Adjusting the space between the lower discharge wheel and the upper discharge roller; Removing a jammed coin.

1. **Adjusting the tension on the combination tray leg/locking arm** — Note that the tray leg is also used to lock the coin tray in its closed position while transporting your KLOPP from one location to another. From time to time, tension on this locking arm may become reduced through use. To increase the tension on the locking arm, note the small rubber tipped support arm located on the rear inside of the coin tray. When the tray is closed, this support arm fits against the top of your KLOPP counter immediately in front of the meter. To increase the tension on the tray leg/locking arm, remove rubber tip, then grasp the arm with a large pair of pliers and gently bend it slightly upward. To decrease the tension on the tray leg/locking arm, bend the support arm downward.



2. **Adjusting the space between the lower discharge wheel and the upper discharge roller** — Note that after leaving the hopper, coins/tokens are moved to the tube by passing between the lower discharge wheel and the upper discharge roller. (Only a small portion of the lower discharge wheel is visible where it protrudes upward in the coin track.) The distance between the wheel and roller is set at the factory and locked in place. The black rubber-like material which contacts the coins/tokens is a special formula to give years of wear-free service. No adjustments should be necessary until after millions of coins/tokens have passed through your Klopp.

With years of use, however, some wear may occur on the surface of the roller or wheel. This may cause coins/tokens not to be transported in a perfectly even flow. If this ever occurs, do the following:

Face the front of your KLOPP and locate the small hole on the side to your right.

Turn your KLOPP upside down so that you can see the mechanism from the bottom. Insert a small screwdriver in the hole described above and locate the lower discharge wheel adjustment screw head. **DO NOT TURN THE SCREW HEAD, YET.**

Now locate the slotted set screw which holds the lower discharge wheel screw in position. Loosen the set screw by turning it counter-clockwise 1/4 turn — **NO MORE.**

Turn your KLOPP right side up again. Set the Denomination Selector Knob at 10. Insert the screwdriver in the hole described above. Turn the screwdriver and note that as you do the lower discharge wheel moves slightly up and down. Move it upward until it is the distance of one-half the thickness of a dime from the discharge roller.

Turn your KLOPP upside down and retighten the set screw by turning clockwise.

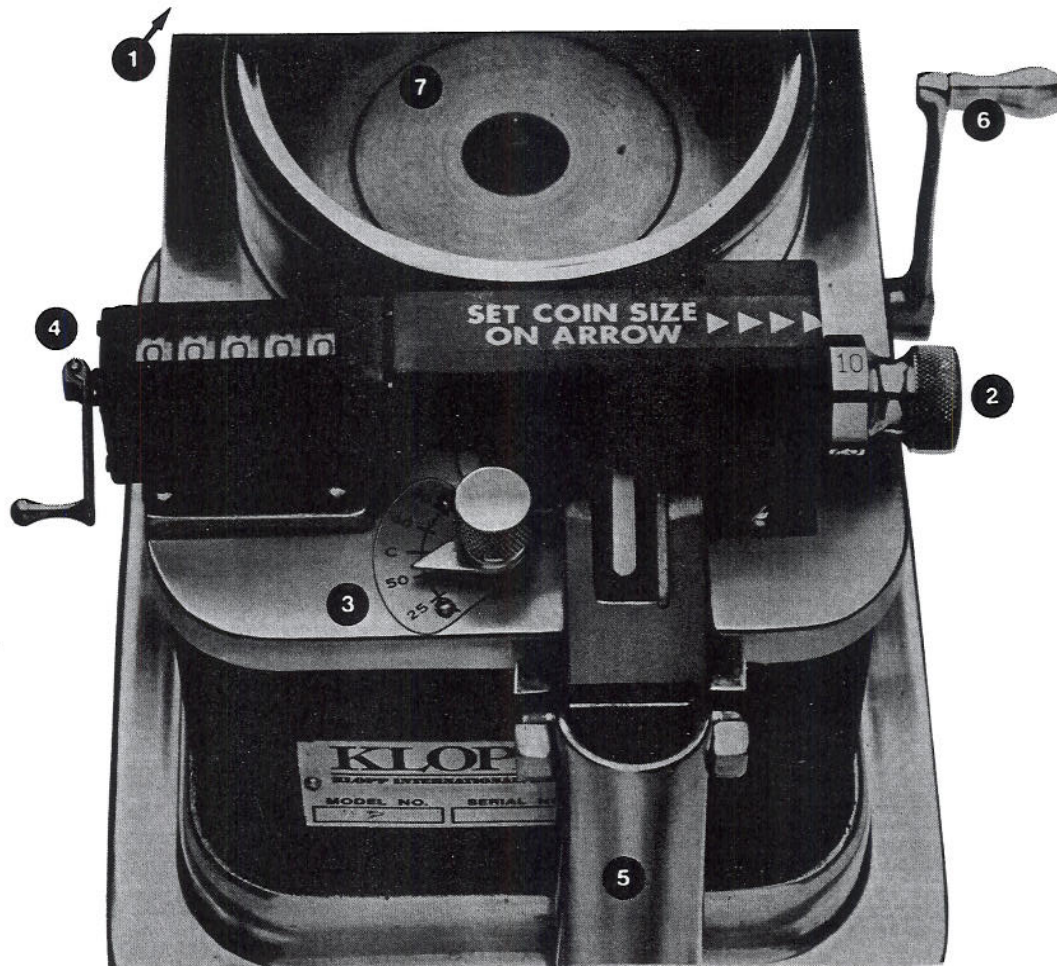
Test your KLOPP for a smooth flow of dimes. Be sure to test all denominations, not just dimes.

3. **Removing a jammed coin** — If a mutilated or bent coin/token becomes stuck in the track, do the following to remove it:

If a coin jams, YOU MUST turn "OFF" the motor. If you do not, you may damage the rotating disc and/or burn up the motor.

Turn the Denomination Selector Knob to "\$T" which will open the height and width of the track to the maximum opening.

Remove the jammed coin/token by turning the crank in a reverse direction or rotating the disc by hand on an electric counter when the motor is shut off.



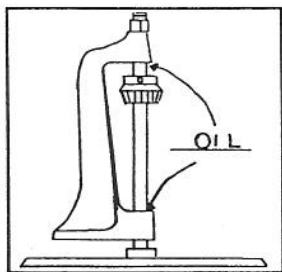


# SERVICE INFORMATION

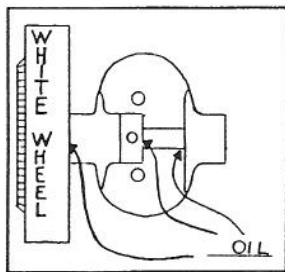
**CLEANING YOUR KLOPP** — To keep your KLOPP in good working order, it is necessary to periodically CLEAN the rotating disc and the coin/token track, plus the black upper and lower discharge rollers and the white nylon drive wheel. This can be accomplished by the use of a soft rag moistened with lighter fluid or mineral spirits. **CAUTION** — Be careful that all solvent is dry before turning on electric models. Also, do not allow lint or foreign matter to build up in the track or around the starwheel which turns as each coin/token passes it to be counted.

**OILING YOUR KLOPP - HOW AND WHERE TO LUBRICATE** — Your KLOPP was lubricated at the factory with a few drops of oil. If it ever begins to make a squealing or grinding sound, it needs to be relubricated. To do so, follow the directions below:

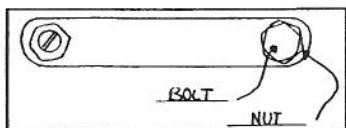
- 1. FOR THE MANUAL MODEL CM** — Turn your KLOPP upside down. Put two drops of "3-in-one" (or equal) oil on the rotating shafts at the locations shown in Drawings A & B below. Do not over oil.
- 2. FOR THE ELECTRIC MODEL CE AND KK** — Turn your KLOPP upside down. Put two drops of "3-in-one" (or equal) oil on the rotating shafts at the locations shown in Drawing A. Note Drawing C. Loosen the nut 1/4 turn (11/16 wrench needed) and then remove the hexhead bolt leaving the nut in position on the bolt. Look through the hole in which the bolt was located. You will see an oil retaining wadding. Put 18 drops of oil on top of the wadding. Replace the bolt and retighten nut. Leave the counter upside down for a few minutes so that the oil can work its way down through the wadding and onto the shafts. Do not over oil.



DRAWING A



DRAWING B



DRAWING C

Wipe off all excess oil. Be sure oil does not get on either the large black or white wheels or the belt from the motor to the pulley. To remove excess oil, wipe off these parts with a clean cloth lightly dampened with alcohol.

**REPAIRS AND REPLACEMENT PARTS** — KLOPP's are very heavy duty and almost literally "last forever". Our one-year limited factory warranty on both parts and labor, when returned to the factory prepaid and undamaged, gives full protection for 12 months from the date of original purchase.

Eventually, some parts will probably wear. It may take 3 years or 10 years but someday it will happen. To replace a worn part you have 2 choices of action.

- 1. KLOPP WILL FIX IT** — Call KLOPP at 813-855-6789 for shipping instructions and current repair times.
- 2. YOU CAN FIX IT** — Following is a pictorial parts manual. Note that not all of the parts in your KLOPP are pictured. There is a very good reason. We have pictured only those parts which the average KLOPP owner with basic mechanical aptitude can easily and properly replace. This is based on years of field experience. We have not pictured parts that require special tools, gauges, or special assembly training to install and adjust. A KLOPP is not as easy to take apart and put back together as it appears. Our reputation is based on the fact that we use the highest quality materials and assemble them very precisely. This is the reason we strongly recommend that we fix it for you.

To order parts, simply send us a letter or call us at 813-855-6789. We will be happy to help you to be sure that you are ordering the proper part. Normally, shipment can be made within two working days by UPS-COD.

## WHEN ORDERING PARTS, PLEASE DO THE FOLLOWING:

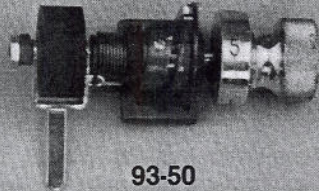
- Advise us of the **MODEL AND SERIAL NUMBER** of your KLOPP. Parts for manual and electric models may look similar, but can be slightly different.
- To avoid error, order by part number and name.
- Supply a street mailing address. All parts are shipped UPS and they will not deliver to a Post Office Box. We do not ship by mail unless you live in an area not serviced by UPS.

**REMEMBER: IF YOU HAVE A PROBLEM OR JUST A QUESTION ABOUT YOUR KLOPP, CALL THE KLOPP SERVICE MANAGER AT 813-855-6789**





93-580



93-50



3-5230



93-530



93-510



3-5210



3-590



3-570



3-560



3-550



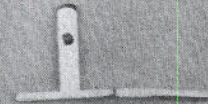
3-630



3-620



3-640



93-610

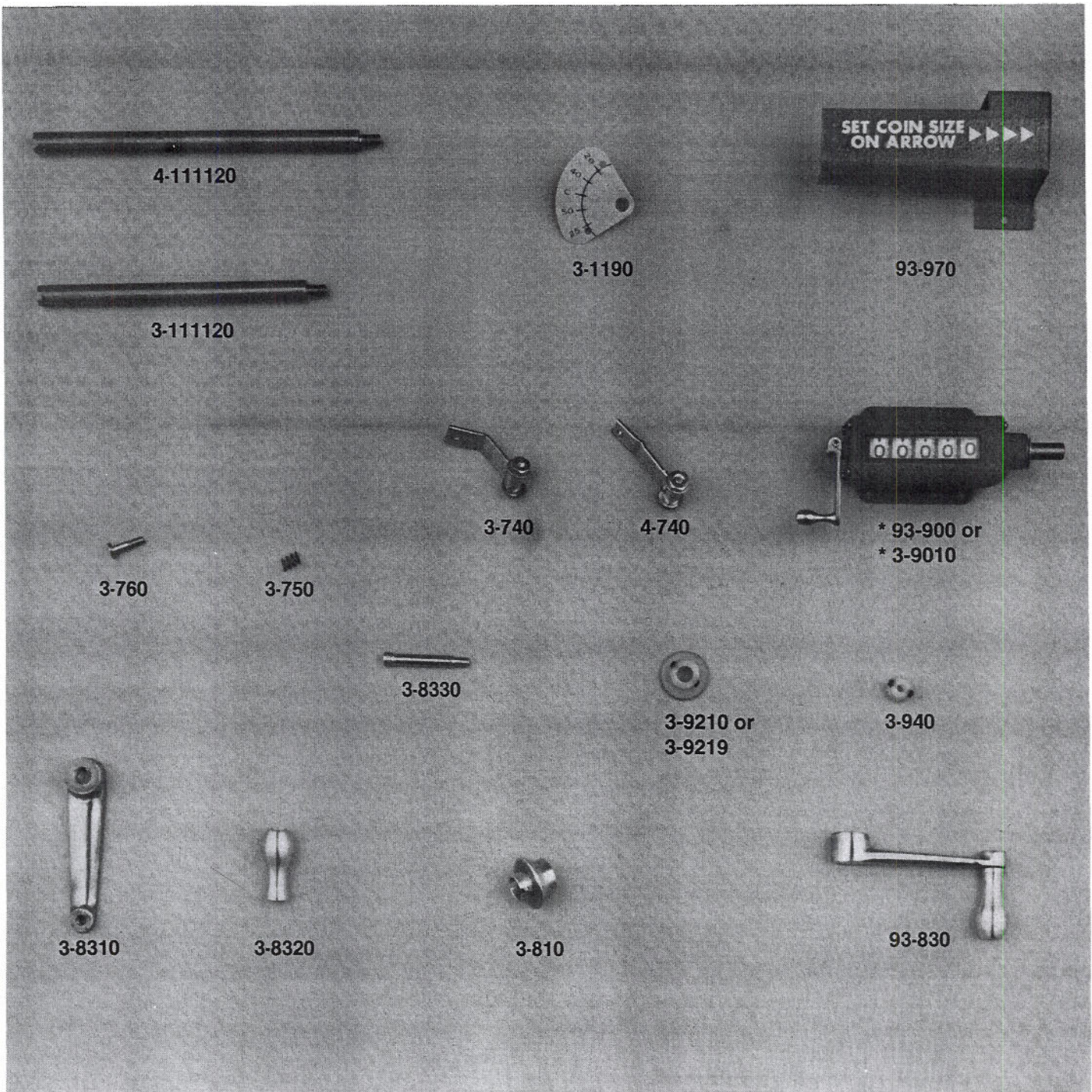
- ★ 93 - 50 Coin Gauge Unit Assembly
- 93 - 510 Coin Gauge Bracket Assembly
- ★ 93 - 530 Worm Assembly
- 3 - 550 Locator Pawl Spring
- 3 - 560 Coin Guide Finger Spring
- 3 - 570 Coin Guide Finger
- 93 - 580 Upper Discharge Roller Assembly

- ★ 3 - 590 Coin Gauge Cam
- ★ 93 - 610 Guide Rail Assembly
- 3 - 620 Hopper Shoulder Screw
- 3 - 630 Hopper Shoulder Screw Plate
- 3 - 640 Hopper Shoulder Screw Spring
- 3 - 5210 Coin Gauge Shaft
- ★ 3 - 5230 Coin Gauge Knob

★ BECAUSE OF PART CHANGES, WE MUST HAVE YOUR MACHINE SERIAL # WHEN YOU ORDER. (PARTS PICTURED MAY NOT LOOK EXACTLY LIKE YOUR PART.)

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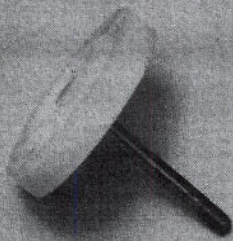


- |          |                          |          |  |
|----------|--------------------------|----------|--|
| 3-740    | Tube Clip (CM)           | 4-111120 | Frame Standard (CE & KK)                                   |
| 3-750    | Tube Clip Spring         | 3-1190   | Coin Stop Index Plate                                      |
| 3-760    | Tube Clip Shoulder Screw | ★ 93-900 | Meter Assembly (Prior 7/88)<br>(Includes meter bevel gear) |
| 4-740    | Tube Clip (CE & KK)      | ★ 3-9010 | Meter Only - As of 7/88<br>(No meter bevel gear)           |
| 3-810    | Crank Collar             | 3-9210   | Meter Bevel Gear - As of 7/88                              |
| 93-830   | Crank Assembly           | 3-9219   | Meter Bevel Gear - Prior 7/88                              |
| 3-8310   | Crank Arm                | 3-940    | Drive Star Shaft Pinion Gear                               |
| 3-8320   | Crank Button             | 93-970   | Coin Gauge Cover Assembly                                  |
| 3-8830   | Crank Screw              |          |  |
| 3-111120 | Frame Standard (CM)      |          |  |

★ Meter pictured has been discontinued.  
Current meter not pictured.

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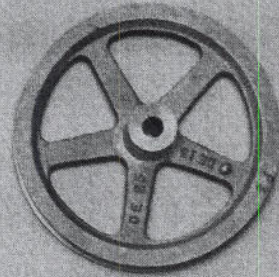
3-2110



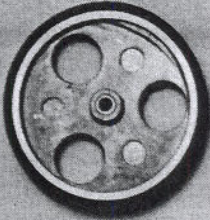
4-2110



94-2120



4-250



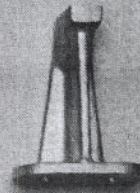
93-2210



4-2230



4-2240



4-2910



3-2120



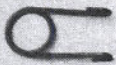
4-2130



3-22220



3-222110



3-22230



3-22250



3-2130



4-230



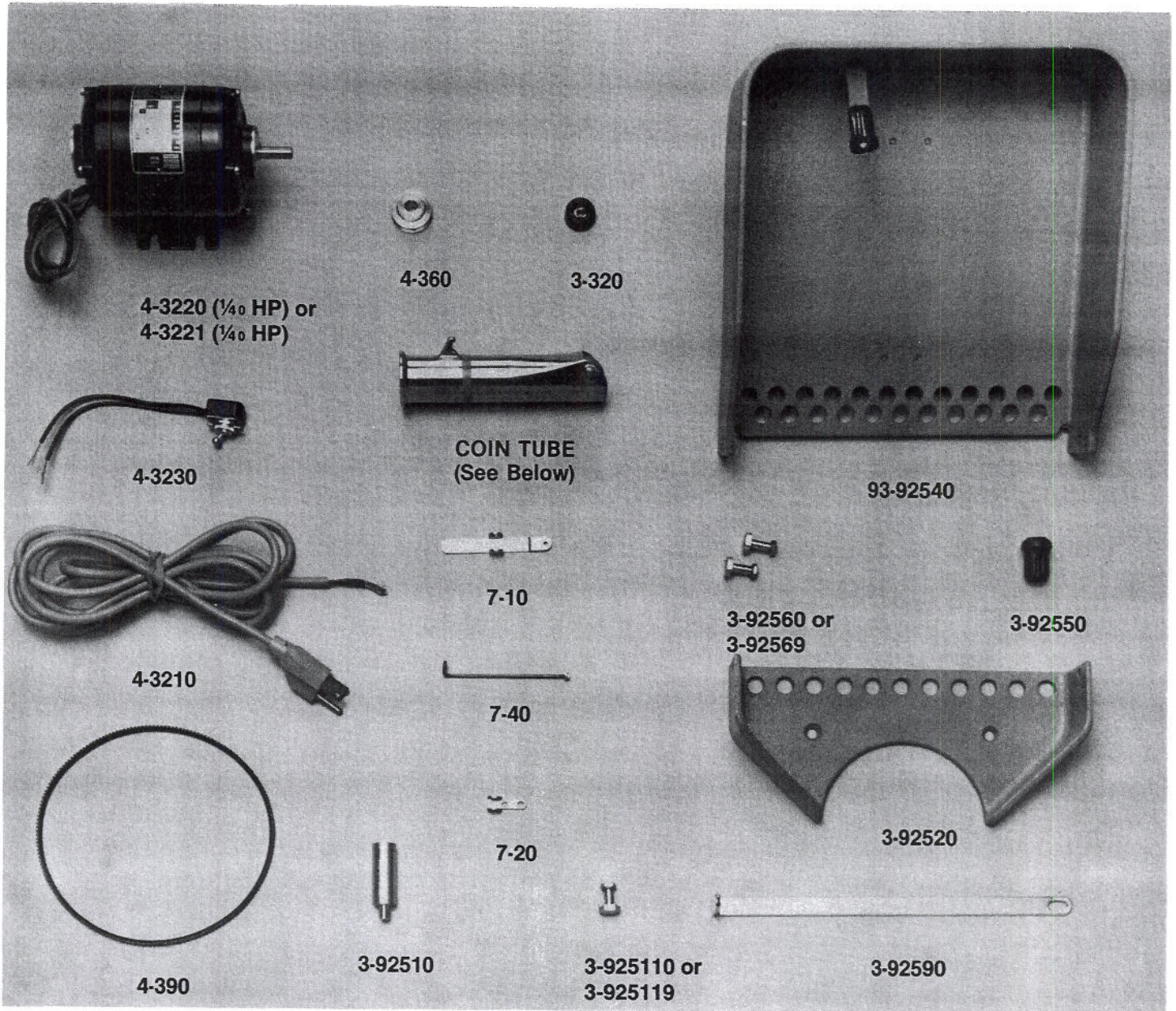
3-222120

- 4 - 230 Strap Hinge Clevis Pin
- 4 - 250 Motor Drive Belt Pulley
- 3 - 2110 Drive Wheel (CM)
- 4 - 2110 Drive Wheel (CE)
- 3 - 2120 Drive Shaft Bracket
- 94 - 2120 Small Gear Assembly
- 3 - 2130 Drive Shaft Collar
- 4 - 2130 Drive Unit Bracket
- 93 - 2210 Lower Discharge Wheel

- 4 - 2230 Discharge Wheel Strap
- 4 - 2240 Discharge Wheel Spring
- 4 - 2910 Strap Rest Bracket
- 3 - 22220 Discharge Wheel Bracket
- 3 - 22230 Discharge Wheel Spring
- 3 - 22250 Discharge Wheel Shaft
- 3 - 222110 Discharge Wheel Yoke
- 3 - 222120 Eccentric Shaft

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- 7-10 Counter Trip
- 7-20 Trip Hinge
- 7-40 Trip Rod
- 3-320 Base Foot
- 4-360 Motor Pulley (specify for  
1/40 or 1/20 motor)
- 4-390 Motor Drive Belt
- 4-3210 Electric Cord
- 4-3220 Motor 1/40 HP Long Shaft  
(As of Serial #CH-111)
- 4-3221 Motor 1/40 HP Short Shaft  
(Prior to Serial #CH-111)
- 93-9250 Complete Folding Tray Assem-  
bly (Includes 93-92540, 3-  
92520, 3-92590, 3-925110)

- 3-92510 Tray Spout Stud
- 3-92520 Tray Spout
- 93-92540 Tray With Handle, Rubber  
Tip and Shoulder Screws (2)
- 3-92550 Rubber Tip
- 3-92560 Shoulder Screw For Alumi-  
num Tray (need 2)
- 3-92569 Shoulder Screw For Sheet  
Metal Tray (need 2)
- 3-92590 Tray Locking Leg
- 3-925110 Tray Locking Leg Shoulder  
Screw, threaded w/o nut, As  
of 4/87
- 3-925119 Tray Locking Leg Shoulder  
Screw, threaded with nut,  
Prior 4/87

#### COIN TUBES

- 3-9100 Dime Wrapping Tube
- 3-9101 Penny Wrapping Tube
- 3-9110 Nickel Wrapping Tube
- 3-9120 Quarter Wrapping Tube
- 3-9128 .900/.882 Token Wrapping  
Tube
- 3-9129 .984 Token Wrapping Tube
- 93-9130 Bagging Tube - \$/1" thru 1¢
- 93-9138 Bagging Tube - 1 1/8" thru 1¢
- 93-9140 \$/1" Wrapping Tube

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