KLOPP®
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UNPACKING/ INSPECTING YOUR KLOPP

The rotating shafts of the internal mechanism in your KLOPP were lubricated at the factory. During shipment to you, a small amount of oil can drip onto the inside bottom of the shipping carton. This is normal and does not indicate a problem.

Oil can also occasionally drip onto other parts, if the shipping carton is turned upside down or on its side during shipment to you. **Before operating your KLOPP, turn it upside down to be sure that both the large white (Drive Wheel) and black (Lower Discharge Wheel) wheels are free of oil.** Rotate these by turning the crank handle (Manual machine) or rotating the motor pulley (Electric machine). On the electric Model CE, also be sure that the Drive Belt from the motor to the pulley is free of oil. If oil has dripped onto any of these parts, lightly dampen a clean cloth with alcohol and wipe off the oil. Be sure that the alcohol has completely dried before operating electric models.

To keep your KLOPP running at peak performance, follow the Maintenance & Lubrication procedures below.

MAINTENANCE AND SERVICE

The reason you purchased a KLOPP Coin Machine was to save time and provide accurate counts. Do not defeat this purpose by not maintaining your machine. Coins are filthy. During use, dirt & oil is transferred from the coins to the machine. Dust & lint from the air also accumulates on a machine over time. If not addressed, this will certainly affect the efficiency of your machine and could lead to costly repairs. The following easy maintenance tips can help ensure many years of efficient operation from your KLOPP Coin Machine:

- At least once a month, clean the surfaces that come in contact with coins. Use a clean, lint-free cloth dampened with rubbing alcohol for the Coin Tray and the Disc. Use KLOPP Klean Rubber Cleaner for the black Upper and Lower Discharge Wheels, and the rubber Disc Inserts. This will ensure that coins are properly pinched and pulled through the counter. At the same time, clean the black Disc Inserts with KLOPP Klean Rubber Cleaner.

LUBRICATING YOUR KLOPP

Every three-to-six months, or if you hear a squealing or grinding sound, lubricate the rotating shafts underneath your machine.

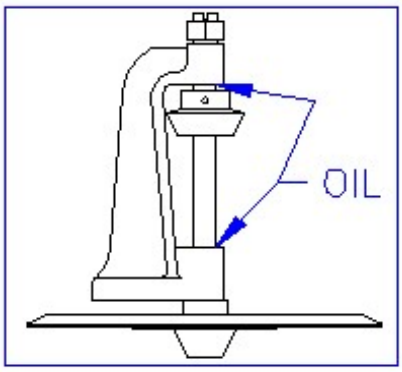
For Manual Models (CM, CMB, D & D2)

Turn your KLOPP upside down. Put two drops of KLOPP Oil (or Machine Oil) on the rotating shaft at the locations shown in Drawings: A & B. Rotate the wheel to work the oil in, then wipe off any excess oil. ***Do not over oil.*** Note: Drawing: B applies to machines purchased after 2004. For machines prior to 2004, put 1-2 drops on the wheel shaft where it passes through the bracket and rotate. Wipe off any excess oil. ***Do not over oil.***

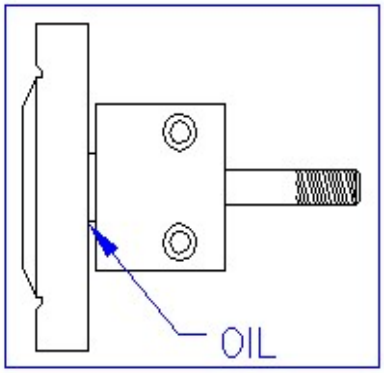
For Electric Models (CE, CEB, CECR, KK, DE, & DE2)

Turn your KLOPP upside down. Put two drops of KLOPP Oil (or Machine 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 hex head 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 10-15 drops of KLOPP Oil (or Machine 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.*** 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 the belt and white plastic wheel with a clean cloth lightly dampened with alcohol. Use KLOPP Klean Rubber Cleaner on the black rubber wheel. **If you have the Drive Unit configuration as shown in Drawing: D, you should not need to lubricate this assembly, unless you hear a squealing or grinding sound.**

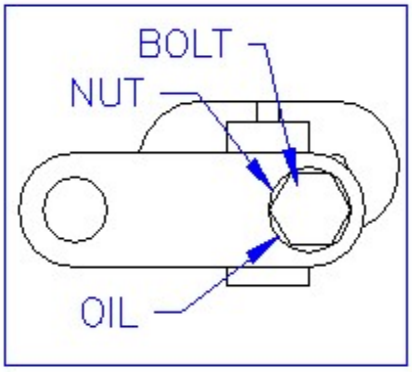
Even though KLOPP machines consist of cast aluminum, hardened steel and literally last forever, Factory Service will still be needed from time to time. Factory technicians with years of experience perform KLOPP servicing. Service typically consists of replacing worn or broken parts, cleaning and oiling all mechanical parts, and resetting the internal register. Repair costs (parts/labor/shipping) typically range from 375^{00}-475^{00}, depending on the age and condition of the machine. The cost may be higher if a major component needs to be replaced. **KLOPP Klean is available for $8.00 for a 4-ounce bottle. KLOPP Oil is available for $5.00 for a 1-ounce bottle**. The turnaround time for KLOPP Service is usually 3-to-5 business days, which means you will not be without your machine for weeks, counting coins by hand.



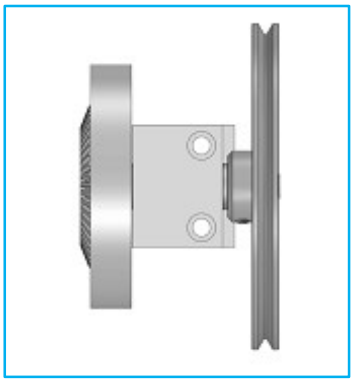
DRAWING: A



DRAWING: B



DRAWING: C



DRAWING: D