

MAINTAINING YOUR KLOPP

When performing maintenance on your KLOPP please keep in mind that excessive oil and/or grease can cause the machine not to work properly. For example, there are two places where plastic gears mesh together, and do not need any kind of lubrication. In fact, grease or oil can cause the gear teeth to slip, and possibly strip out. You should avoid having grease or oil get into the teeth where the gears mesh together, and check them occasionally to make sure they stay clean. Also, there are only three places where oil should be used, and then only when necessary and in very small amounts (see below). Lubrication such as lithium grease or WD-40 should never be used on a KLOPP machine. It may also be helpful for you to use compressed air once a week to blow out excess dust and dirt that may accumulate in the machine.

LUBRICATING YOUR KLOPP

(See page 2 for Diagrams)

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 re-lubricated. To do so, follow the directions below:

For the Manual, Model CM, CMB, D, or D2

Turn your KLOPP upside down. Put two drops of "3-in-1" (or equal) 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 the Electric, Model CE, CEB, CECR, KK, DE, or DE2

Turn your KLOPP upside down. Put two drops of "3-in-1" (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 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 waylube oil on top of the wadding (we use Mobil Vactra Oil No. 2). 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.***

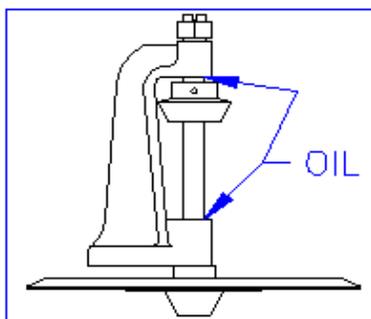
Wipe off all excess oil. Be sure oil does not get on either the large black or white wheels or the belt from the motor to the pulley. To remove excess oil, wipe off the belt and white plastic wheel with a clean cloth lightly dampened with alcohol. Use KLOPP Klean Rubber Cleaner on the black rubber wheel.

KLOPP MAINTENANCE AND SERVICE

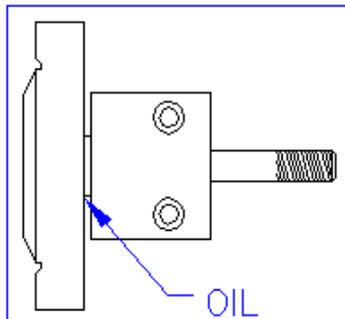
The main reason to purchase a KLOPP Coin Machine is to save time. Do not defeat this purpose by allowing your machine to become excessively dirty. Coins can be covered in oil and dirt from the public's hands, and rub off onto the surfaces of the machine. As well, dust and lint from the air can settle on the machine. The following easy maintenance tips can help ensure smooth operation of 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 Disc. Use KLOPP Klean Rubber Cleaner for the black Upper and Lower Discharge Wheels, located on the top front of the machine. This will ensure that coins are properly pinched and pulled through the counter.
- At least once a month, re-moisturize the black Disc Inserts on the spinning disc with "3-in-1" (or similar) oil. First, clean the black inserts with KLOPP Klean Rubber Cleaner. Second, place 1-2 drops of oil on each insert and let absorb overnight. **IMPORTANT:** Make sure to wipe all excess oil off of the disc prior to running the machine.
- When needed, lubricate the rotating shafts underneath your machine. Refer to the "LUBRICATING YOUR KLOPP" section of this document on page 1, and the diagrams on page 2.

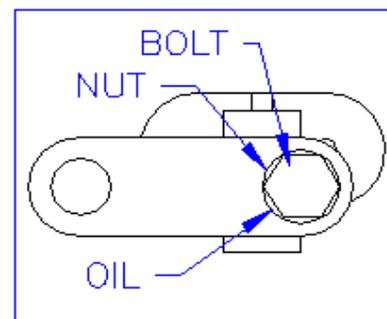
Even though KLOPP machines consist of cast aluminum, hardened steel and literally last forever, Factory Service will still be needed from time to time. Factory technicians with years of experience perform KLOPP servicing. Service typically consists of replacing worn or broken parts, cleaning and oiling all mechanical parts, and resetting the internal register. Repair costs (parts/labor/shipping) can range from \$350⁰⁰ to \$450⁰⁰, depending on the age and condition of the machine. The cost may be higher if a new meter, motor or register is needed. KLOPP Klean is available for \$8.00 for a 4-ounce bottle. The turnaround time for KLOPP Service is typically 3-5 business days, which means you will not be without your machine for weeks, counting coins by hand.



DRAWING: A



DRAWING: B



DRAWING: C