



## COIN MECHANISMS INC.

*Where The Money Meets The Machine*

### Intelligent Comparitor Cleaning and Preventive Maintenance

The Intelligent Comparitor is made from nickel-plated steel and high strength nylon molded plastic parts. This high security mechanism requires tighter tolerances within the mechanical assemblies of the product and its control of the coins being processed through it. Keeping the mechanism clean is important for long term, trouble free operation. Debris such as cigarette or cigar smoke (tar and nicotine), ashes, coin dust, liquor, soft drinks, and cleaning fluids easily adhere themselves to critical areas within the coin mechanism. This debris can affect the sliding sensor coil, the operation of the accept gate, and the speed of the coin through the device. Any of these can have an adverse affect on proper coin validation. Use the following guidelines to keep the mechanism clean and trouble free.

1. When cleaning the outside face of a machine, prevent liquid and spray cleaning solution from entering the mechanism via the coin slot by blocking or covering the coin slot when cleaning. If the coin slot is not blocked, the cleaning fluid will combine with all other debris that enters through the coin slot and congeal into a sticky film that will inhibit coin acceptance.
2. Clean any spilled drinks from the mechanism as soon as possible to prevent buildup of debris. A mild solution of dishwashing detergent will remove drinks. The circuit boards must not be exposed to the dishwasher solution. They must be removed and be cleaned if necessary with circuit board flux remover or a combination of isopropyl alcohol and freon.
3. Cigarette and cigar smoke can be removed with a general-purpose lens cleaner used for eyeglasses. This cleaner can also be used on mechanisms with a build-up of film from spray cleaning.
4. After any cleaning it is important to wipe any excess solution from the mechanism then buff or blow-dry with clean compressed air.
5. The sensor coil assembly should be removed from the metal mainplate and carefully cleaned around the periphery of the two parts where they slide against each other.
6. The damper lever should be removed and cleaned especially the pivot parts.
7. The bar code reader lens is plastic and must not come in contact with any harsh chemicals. A mild lens cleaner or isopropyl alcohol can be used on a cotton swab then buffed clean with a dry cotton swab.
8. Never use any oils, wax, or petroleum based solvents or sprays to clean the Comparitor.
9. The environment determines frequency of cleaning. Once every 3 months is a safe cleaning schedule. If the environment is heavily smoked filled with a large volume of coin play, then a more frequent schedule may be necessary.