

Automation Devices, Inc.

SWAN-MATIC MODEL 50PD CAPPER INSTRUCTIONS

➤ INSTALLATION

Remove the capping machine and its accessories from the shipping container. Next, set the machine on a level surface on its base and remove the pipe plug, in the elbow, located on the side of the housing. Empty the contents of lubrication from the quart bottle into the housing; two (2) quarts should fill and show in the elbow. Next, replace the pipe plug.

Introduce power to the electric motor; however, check to be sure the voltage on the nameplate is the same as the power supply from which the capping machine will operate. Turn the switch on for several minutes at room temperature to thoroughly lubricate the mechanism. The machine should run free and easy with no effort. If not, inspect it for shipping damage.

Proper alignment of bottles or jars and pressing head position is important for best results when capping. Stop the motor when the spindle stroke is at the extreme end of the downward stroke. Place the bottle or jar directly under the spindle, and locate the housing by loosening the handle at the column so that the pressing head contacts the cap. On large caps, a $\frac{1}{4}$ inch overtravel on the spindle may be necessary; however, small caps may only require a firm contact. Arrange the back stop in the proper position to center the jar or bottle under the pressing head, and securely fasten the back stop to the base plate and the housing to the column.

➤ MAINTENANCE

Periodic inspection of the level of oil in the housing of the capping machine is recommended to assure that sufficient lubrication is present.

To replace the spindle shaft seal, remove the pressing head from the spindle by loosening the two $\frac{1}{4}$ inch set screws holding the pressing head

on the spindle. The pressing head will then slip off the spindle.

The shaft seal itself can be removed by either puncturing the metal portion of this seal on the lower side and prying the seal out of its seat, or by drilling several small holes in the metal portion of the seal and inserting self-tapping sheet metal screws part way in and prying the seal out of its seat.

CAUTION: Be sure that in removing a shaft seal, the shaft itself is not marked or scored, this will cause poor sealing and excessive wear.

After removing the seal from its seat, thoroughly clean the seat with solvent to remove all oil and foreign material, and inspect the shaft for dirt or score marks which could cause premature seal failure.

Before installing the new shaft seal, it is recommended that the lower end of the spindle shaft be covered with shim stock, or heavy wax paper and this along with the shaft itself be well lubricated to allow the shaft seal to slide along the shaft without damaging the seal.

The seal should be installed with the sharp edge of the rubber upward, and before seating the seal, coat the outside of the shaft seal with a liquid gasket cement to assure a good seal.

It is recommended that the lower surface of the shaft seal project below the adjacent cast surface of the capping machine base to allow for easier removal in the future. Tap the shaft seal in place with a hammer and block of wood, being sure that the shaft is not misaligned and bound in the casting before proper seating.

Replace the pressing head on the spindle, observing the relation between the set screws and the flats on the spindle.

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