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## **ACM-4 & ACM-5 Cut Off Saw Operating Instructions**



- 1) Connect 6 feet grounded power cord to any 115V outlet to power the ½ H.P. universal motor. (Domestic models; export models must be hooked up to 230V outlets.)
- 2) Set adjustable stop located at front right of base pillar to limit cutting depth and avoid damage to cutting wheel or V-block. (The 10/32-socket head screw must be removed.)
- 3) Place the material to be cut in the V-Block.
- 4) Adjust self-locking holding clamp to secure material to be cut.
- 5) The most efficient and economical cutting rate is attained when the amount of pressure applied by operator is just short of that required to slow spindle speed.
- 6) The operator should maintain a steady controlled pressure. Erratic or overly forceful operation may result in wheel breakage.
- 7) When using #47-SC Speed Control, connect speed control to power source and connect the power cord of motor to speed control receptacle.
- 8) When using 95-FS Foot Switch, connect it to a power source and attach power cord of saw to Foot Switch receptacle.

### **CHANGING THE CUTTING WHEEL:**

- 1) Open Wheel Cover.
- 2) Remove spindle-locking nut.
- 3) Remove male and female flanges.
- 4) Mount cutting wheel on male inner flange and secure in place with female outer flange. (NOTE: Paper blotters **MUST** be attached to both sides of wheel between flanges!)
- 5) Replace flanges on spindle and secure with spindle locking nut. NOTE: As spindle thread is right handed, spindle-locking nut requires only finger tightening. Wheel damage may result when excessive force is used to tighten spindle-locking nut.
- 6) Close and secure wheel cover.

### **MAINTENANCE:**

- 1) The ACM-4, or the ACM-5 requires no lubrication maintenance.
- 2) To tighten the drive belt tension, loosen the four socket head screws securing motor and repositioning motor as needed.
- 3) To replace motor brushes, remove right side of motor housing by removing the four screws securing the four corners of the housing.
- 4) Clean motor and drive components at regular intervals with compressed air to avoid accumulation of abrasive dust and cutting debris.

**CAUTION: ALWAYS WEAR PROTECTIVE EYEWEAR WHEN OPERATING SAW!**