

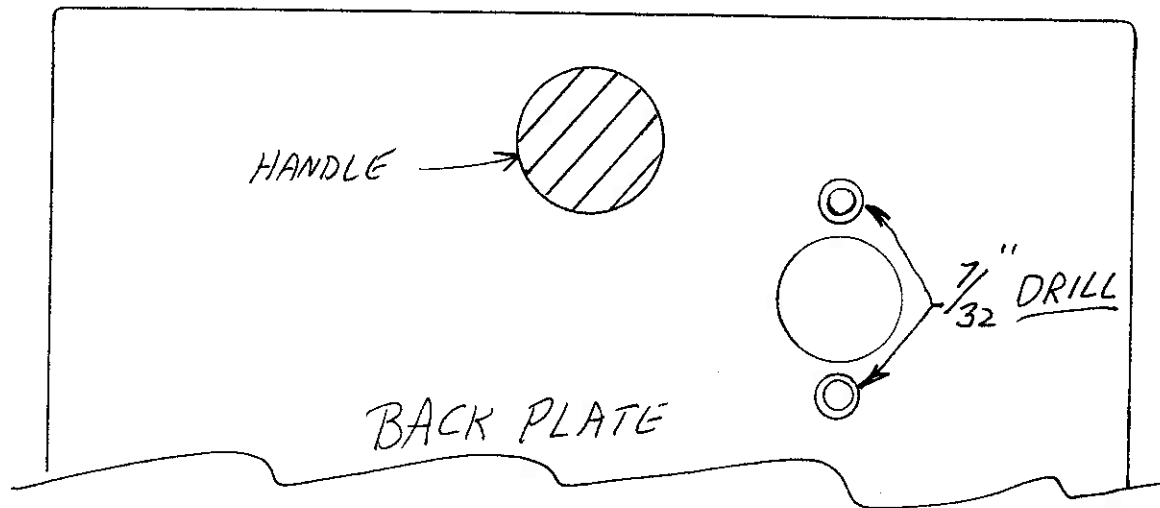
INSTRUCTIONS FOR INSTALLATION
OF NEW 2-AROUND GRAVERMEISTER VALVE

REMOVAL OF OLD VALVE

1. Unplug electrical cord !!!
2. Remove Stroke Speed Cover. (four screws near bottom of cover).
3. Remove belt and pull out old valve rotor. (remove and save sheave for installation of the new valve).
4. Remove and discard old pressure and vacuum hoses.
5. Remove valve body.(it may be necessary to spring top of front cover slightly to remove the mount screws).

INSTALLATION OF NEW VALVE

1. Enlarge the mount holes in the back plate with a $\frac{7}{32}$ " drill from the back side as shown below. This is necessary because of the larger rotor and bearing assembly diameter.



2. Loosen the 4 back plate screws, and pull back plate up in slots, and re-tighten.
3. Install new valve. Note that installation retains the rotor in the position.
4. Carefully cut to length new hoses. Install a spring in each hose so that the hose will not collapse, and secure with hose clamps provided. Stretch the springs just a little, so that the entire length of the hose is kept open, except for the connection ends.
5. Install valve sheave and belt. Locate sheave so belt is aligned with idler pulley before tightening set screw.
6. Remove old stroke speed label, and install new one.
7. Install cover, plug in, and enjoy the benefits of the higher stroke speed of your improved GRAVERMEISTER.