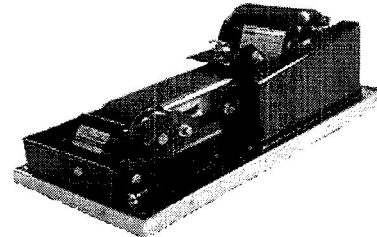


INSTRUCTIONS FOR COVINGTON HORIZONTAL WET BELT SANDERS

INTRODUCTION

A truly wet belt sander designed for real convenience and versatility. Open side of unit allows sanding belt to be quickly replaced and a single control aligner keeps belt running true. Work bench permits unobstructed access to sanding work area.



DESCRIPTION

Sander horizontal bearing support casting is mounted on heavy 16 gauge steel tank base. Bearings are shielded, double neoprene sealed and greased for life. Standard features include sanding belt, delivery sponge for applying water and adjustable back-up plate.

The smaller 460 horizontal wet belt sanding units take 3" X 25-7/32" belts. Belts are available in silicon carbide (60-600 grit), cork, leather, felt and diamond .

The larger 762 horizontal wet belt sanding units take 3" X 41-1/2" belts. Belts are available in silicon carbide (60-600 grit), cork, felt, and diamond.

INSTALLATION

Safety: Before plugging your unit into electrical supply, read the Covington Safety Demand Sheet.

Motor Mounting (when unmounted at the factory): The motor will come with a factory mounted pulley already adjusted for your machine. Place the pulley into the v-belt and set the motor into the cradle. Both motor mount split rings should fit between the uprights on the motor cradle. Once placed into the cradle take the two mounting latches and place them over cradle notches and tighten the bolt until motor is secured.

All new sanders have been run at the factory and have been adjusted for proper belt alignment. You may need to make some minor adjustments prior to running your sander, as some movement may have occurred while in shipment.

Belt Removal-Replacement: Loosen the Large tri-knob (turn counterclockwise) so the belt is loose. **Do not remove Tri-knob.** Turn the belt by hand and run the belt to the right; off the drum. Usually it is unnecessary to loosen the vertical adjustment when changing belts.

Belt Adjustment-Lateral: After installing belt, tighten the upper tri-knob (turn clockwise) so that the belt is medium tight and the upper barrel level. Next, start the sander and adjust the knob so the belt runs in the center of the pulleys. Tighten the knob to cause the belt to move toward the tri-knob. Loosen the knob to move the belt in the other direction.

Belt Adjustment -Tensioner: Belt tension can be adjusted by tightening or loosening the vertical bolt with spring in the Horizontal casting between Tri-knob and belt guard assembly. If there is a humming noise, the belt is probably too tight.

Sponge: Wet the sponge and place it between the front guard and the belt. Fill the pan with enough water to keep the sponge damp. The purpose of the sponge is to keep the belt damp and clean. DO NOT have the water level too high or the belt will throw water spray. When not using the sander for several days, remove the sponge so the belt will not remain wet in one place for a prolonged period of time

Water Valve: If a brass valve is installed in the sander hood with a spray nozzle on the underside, connect a water source to the valve. Use 1/4" copper tubing if the water is under pressure, or 1/4" plastic tubing if the water is brought in by gravity flow. A little bit of water will be ample to keep the belt wet.

Optional Parts Rest: This will give a positive stop for working on some materials. To install remove spray nozzle assembly. Install parts rest so working surface is even with backplate.

HELPFUL HINTS & HARMFUL ERRORS

Belt Creeping: If you have trouble with the belt moving to one side when sanding or polishing on the edge of the belt, the belt may be too loose or you may be sanding off the supported back plate. Sand on the back plate, and or make a slight vertical adjustment.

Wear-out: A well used belt will leave a finer finish than the same belt when new. A well worn fine grit belt may be used as a pre-polish belt. Sanding belts do not lose their usefulness until the belt backing wears out.

Sanding: As a general rule, 80 grit abrades twice as fast as 220 grit; 220 grit abrades twice as fast as 400 grit; and 400 grit faster than 600 grit. If the material being sanded is medium to soft, some sanding steps can be omitted.

Polishing: The polishing operation does not remove any surface material, Some materials such as glass almost always require both pre-polish and polish steps. Pre-polish usually consists of 600 grit silicon carbide or, in the case of glass 2F or 4F pumice powder put on a cork belt. A good general purpose polishing device is optical grade cerium oxide on a felt belt.

Back Plate: Hold the plate horizontally behind the belt with the bolt in the support casting slot and positioned with the side of the plate against the casting. Slide the 1/4" thick washer, lock washer and nut on to the lower bolt and position back plate evenly behind belt and tighten with a 7/16 wrench. The front should rest on the support casting .

