Stimpson model 479 Machines are built to give many years of trouble free service if maintained and operated as instructed. Your machine has been adjusted for the sample work or blueprint submitted with your order, performance tested, and is ready for operation. Tools are made to order. To avoid any unnecessary downtime it is suggested that you keep a spare set of tools on hand at all times.

CAUTION: USE CARE IN REMOVING THE MACHINE FROM ITS CRATE AND PACKING. DO NOT MOVE OR LIFT THE MACHINE BY ITS GUARDS.

(Power to the machine must be off while lubricating, cleaning, adjusting or repairing the machine. Be sure the machine is in the home position before turning on power.)

LUBRICATION

ALL 479 MACHINES HAVE BEEN FACTORY LUBRICATED/DO NOT OVER LUBRICATE:
Excess oil, if not wiped clean, will only lead to an accumulation of dust and other abrasive particles causing premature wear and malfunction of the machine. All points requiring lubrication are provided with oil cups or access holes, except the plunger and pivot points where pins are installed. A drop or two of oil in these areas is sufficient.

FIRST TWO WEEKS: It is advisable to oil your machine every morning at each oil point using a few drops of a good grade medium viscosity machine oil; thereafter, about twice a week for machines in steady service.

ELECTRIC MACHINES: The most important lubrication points are the Main Shaft No. 72 which is lubricated through the oil cup No. 34; the Flywheel No. 69 through Oil Cup No. 90.

PNEUMATIC MACHINES: Your machine is equipped with a Pressure Gauge No. 120, Pressure Regulator No. 118, Air Filter No. 121, and an Air Lubricator No. 122. Air Pressure and Lubricator have been adjusted for your work. The Lubricator has been filled with S.A.E. 10 weight oil. Do not allow oil level to drop below 1/8 full. When filling or making adjustments BE SURE TO SHUT OFF AIR PRESSURE. The Air Filter Bowl must be kept clean to assure filtering efficiency and to avoid a pressure drop. Before opening the Drain Cock SHUT OFF AIR PRESSURE. Water accumulation must not reach the Baffle. Excessive accumulation of water at the machine is an indication that an additional filter on an air dryer is needed downstream of the compressor.

ADJUSTMENTS

BEFORE MAKING ANY ADJUSTMENTS, REPAIRS OR REPLACING PARTS, SHUT OFF POWER TO THE MACHINE AND DISCONNECT POWER CORD OR AIR SUPPLY.

TOOL ADJUSTMENT: To adjust tool to obtain correct tightness of setting, loosen bottom set Lockscrew No. 58 and the Locknut No. 59. Raise or lower the Adjusting Screw No. 60 to obtain proper height of the bottom set tool. Raising the bottom set too high will cause a loss of setting force and can damage the setting tools. Maximum setting force
Foot Power

Pneumatic

Electric

Machine downtime. By regularly scheduled tests accumulated in the places not easily accessible - using air pressure, which will blow out any particles. The best method is the work is of a nature which lends to mend all machine in steady use being cleaned.

Keep your machine clean.

Clock and drain bowl every morning.

Air Filter No. 121:

The air stream.

Sufficiency. Only 5% of the oil droppings ever enter the air stream. Two to five drops a minute should be decreased. Too high indicates that the oil flow must be decreased. Oil vapor coming through the blower indicates the oil flow. Clockwise to turn the adjusting screw on the top of the lubricator is reached, then push knob down to lock.

Air Lubricator No. 122:

To adjust the oil flow.

Air Pressure:

Your machine has been factory set at 80 P.S.I. If it becomes necessary to adjust the wear.

Pneumatic Machines:

Wear will cause premature motor and flywheel bearing. Excessive tension on the belt approx. 1/2". Excessive tension on the belt when desired tension is obtained. Belt should flex tighten or loosen the belt. Re-tighten the screws. 1/2" to 1/4" less of the belt loosen your screws No. 17 to other screw.

Belt Adjustment No. 68:

To adjust the tightness when the plunger link in the plunger unit is exerted.