



**NOTE: Parts are no longer available for this tool.**

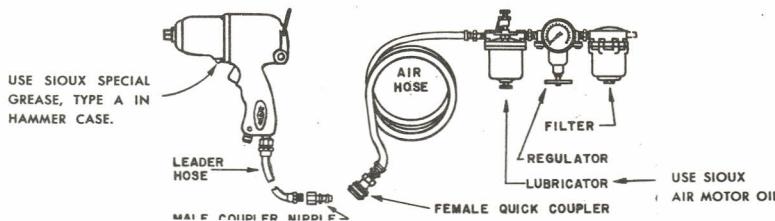
**The manual will continue on the next page.**



# INSTRUCTIONS

For Nos. 320, 322

## Sioux Air Impact Wrench



### OPERATION

The efficiency of the Air Impact Wrench is dependent on the proper supply of clean dry air at the proper pressure of 90 psi. (6.33 KG/CM<sup>2</sup>). The use of line filters, pressure regulators and lubricators will insure maximum output and service of air tools. If no air filter is used drain air tank frequently to prevent moisture from entering air tool.

### HOSE AND HOSE CONNECTION

Use  $\frac{1}{2}$ " (12.7 MM) inside diameter hose,  $\frac{3}{8}$ " (9.52 MM) pipe thread fittings can not be smaller than  $11/32$ " (8.73 MM) inside diameter. Smaller hose and hose couplings will restrict the flow of air and reduce the power of impact wrench. If quick couplers are used do not fasten them directly to the tool. Use No. 1381 6 ft. leader hose between tool and quick couplers.

### LUBRICATION

Sioux has tested many oils and greases, many of which are good, but very few meet the special requirements of air tools. In order that users of Sioux air tools get the best performance from the tool, the following lubricants are recommended:

Sioux Air Motor Oil for air motors No. 288.

Sioux Special Grease Type A for hammer case No. 289.

### HAMMER CASE

The hammer case mechanism is packed with Sioux Special Grease Type A. Every 40 hours of operation add  $\frac{1}{2}$  oz. Sioux Special Grease Type A. A  $1\frac{1}{2}$  oz. tube of grease, Cat. No. 289 is packed with each wrench.

### AIR MOTOR

Air Line Lubricators are recommended and when used set flow of oil to deliver 6 to 8 drops per minute to the air tool. When air line lubricator is not used remove the Allen screw from end of handle and fill the chamber with Sioux Air Motor Oil. Refill the oil chamber after each 8 hours of operation. Daily before using, and after each 4 hours of service, squirt a small amount of Sioux Air Motor oil into leader hose.

### POWER SELECTOR

The Sioux Air Impact Wrench is designed to operate at 90 lbs. per sq. inch and not over 125 lbs. per sq. inch at the tool. The power selector, which is numbered 1 to 8, will adjust the torque output to the requirements of the user. The impact wrench operates at full power when power selector is set at No. 8.

### LOSS OF POWER

1. Hose too small. (See "Hose and Hose Connection").
2. Excessive amount of moisture in air line. Drain compressor air tank and air line filter if used.
3. Loose, worn, or cracked sockets will reduce torque output. Use deep sockets rather than extension bar whenever possible.
4. Dirt or sludge in wrench. Disconnect leader hose and flush out air motor using a good grade petroleum solvent. Squirt solvent directly into leader hose. Connect to supply line and depress trigger and allow dirt and sludge to come out exhaust. Repeat if necessary. Lubricate the wrench according to directions under "Lubrication" immediately.

**SIOUX TOOLS INC.**

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This pdf incorporates the following model numbers:

320, 322