



NOTE: Parts are no longer available for this tool.

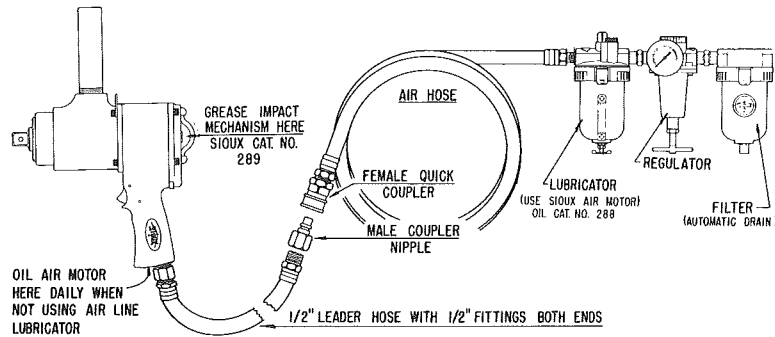
The manual will continue on the next page.

SIoux



TOOLS

INSTRUCTIONS For No's. 480, 481, & 482 Sioux Heavy Duty 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.2) and properly lubricated. The use of line **filters, pressure regulators and lubricators** will insure long life and maximum output of the Impact Wrench.

The volume control is located on the rear of the air motor and is graduated from minimum to maximum. The volume control valve controls the torque output in the right hand rotation. The reversing valve is located immediately below the volume control.

HOSE FITTINGS AND HOSE:

Use 1/2" (12.7 MM) inside diameter hose, with 1/2" (12.7 MM) fittings. Smaller hose couplings will restrict the flow of air and reduce the power of the Impact Wrench. When quick couplers are used do not install them directly in the tool. Use No. 1386, 6 ft. leader hose between the tool and quick couplers.

LUBRICATION:

- A. The hammer case mechanism is lubricated at the factory with Sioux Special Grease Type A. Every 40 hours of operation add 7-8 shots of Sioux Special Grease Type A, Cat. No. 289 using grease gun. Add grease through grease fitting at rear of the air motor. When greasing Impact mechanism after service or when completely regreasing unit, from 1 to 1 1/4 oz. grease should be added.
- B. The Air Motor is lubricated independently from the impact mechanism. Sioux Air motor oil is recommended for air motors. Sioux Air motor oil, Cat. No. 288, is a special oil for air motors. It has the ability to adhere to the motor parts thereby increasing lubrication life and protects parts from rusting.

Air line lubricators are recommended and when used set flow to deliver 6 to 8 drops of oil per minute to the Impact Wrench. When air line lubricators are not used remove socket head screw from handle and fill chamber daily.

OUTPUT CONTROL:

The Output Control is located at the rear of the air motor housing. It is graduated for minimum to maximum settings. The torque is controlled in the right hand direction only. When the torque control knob is turned to lower the torque, it also moves the reverse to a middle position. Be sure to push the reverse back to the extreme right position when turning the torque control knob to the full power position. This wrench is designed to give maximum torque output with greatest air consumption efficiency at 90 lbs. per sq. inch of pressure at the Impact Wrench.

LOSS OF POWER:

1. Hoses or fittings too small.
2. Excessive amount of moisture in air line.
3. Loose, worn, or cracked sockets. Extension Bars reduce torque output somewhat.
4. Dirt or sludge in wrench.
5. Lack of lubrication.
6. Air compressor not of sufficient size for air tool being used.

SIoux TOOLS INC.

This pdf incorporates the following model numbers:

480, 481, 482