

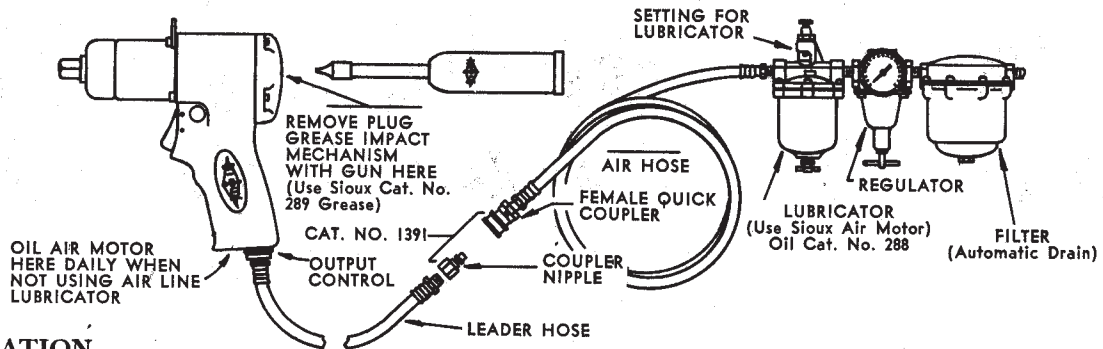


INSTRUCTIONS

Form A179B
Date 2004October7/A
Page 1 of 1

Sioux Air Impact Wrench

Nos. 472, 475, 476, 477, 478, 479



OPERATION

Wet and dirty air will seriously affect air tool performance and life. These tools are designed to operate on 90 P.S.I. air pressure, with filters, pressure regulators, and lubricators in the air lines.

Before using, and twice daily thereafter, pour a small quantity of air motor oil into the air inlet. When line lubricators are not used, fill built-in oiler twice daily.

The output control is located in the end cap of the tool and regulates the output in the right hand direction only. Each time the output control is returned to maximum the reversing valve must also be moved to its full right hand position in order for the tool to produce full power.

HOSE AND HOSE CONNECTION

Hose and hose couplings should not be smaller than $7/32$ " (5.5 MM) inside diameter, $3/8$ " (9.52 MM) inside diameter hose is preferable. 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. 1376 6 ft. leader hose between the tool and quick couplers.

LUBRICATION

- The hammer case mechanism is lubricated at the factory with Sioux Special Grease No. 289. Every 40 hours of operation add six to eight shots of Sioux Special Grease No. 289. Add grease through grease fitting at the rear of the air motor. When greasing Impact mechanism after service or when completely regreasing unit, from $3/8$ to $1/2$ oz. grease should be added.
- 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 4 to 5 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 Sioux Air Impact Wrench is designed to operate at 90 lbs. per sq. inch at the tool. The power selector, which is numbered 1 to 4, 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. 4.

LOSS OF POWER

- Hose too small. (See "Hose and Hose Connection").
- Excessive amount of moisture in air line. Drain compressor air tank and air line filter if used.
- Loose, worn, or cracked sockets will reduce torque output. Use deep sockets rather than extension bar whenever possible.
- 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.

250 SNAP-ON DRIVE ■ PO BOX 1596 ■ MURPHY, NC 28906 ■ USA ■

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