2W82-P
Impact Wrench

Air Supply Diagram

Tune-Up Kit
440943 (incl: Index Nos. 5, 7, 10, 13, 16, 19, 24, 32, 33, 39, 48, & 49)

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**INSTRUCTION MANUAL**

**Air Supply Requirements**

1. Supply tool with 90 psi (6.2 bar) of clean, dry air. Higher pressure drastically reduces tool life.
2. Connect tool to air line using pipe, hose, and fittings sized shown in the diagram on page 12.

**Lubrication**

1. Use an air lubricator with SAE #10 oil, adjusted to two (2) drops per minute. If an air line lubricator cannot be used, add air motor oil to the tool once a day.
2. Check air outlet once each month. Use 3.5 oz. (100 ml) of SAE #30 oil or equivalent.

**Operation**

This impact wrench is equipped with a regulator to enable adjustment of output power. Turn the regulator knob clockwise for maximum torque, counterclockwise to reduce power.

**Noise & Vibration Declaration**

*Sound pressure level: 97.8 dB(A) in accordance with the standards of the National Institute of Standardization. Values measured in individual use will be in the range of 72 to 94 dB(A) depending on the physical condition and the physical environment.*

**Maintenance**

1. Disassemble and inspect air motor and impacting clutch every three (3) months if the tool is used every day. Replace damaged or worn parts.
2. High wear parts are identified in the parts list.
3. To keep downtime to a minimum, the following service kits, detailed on page 12, are recommended: 449043 Tune-Up Kit

*These data and values were obtained by the manufacturer and are not intended to be used for inexact assessments. Values measured in individual use will vary between 72 and 94 dB(A) depending on the physical condition and the physical environment.*

**WARNING**

To reduce risk of injury, everyone using, installing, maintaining, changing accessories on, or working near this tool must read and understand these instructions before performing any task.

**For Additional Safety Information Consult:**

Your employer and/or trade association.

US Department of Labor (OSHA); Council of the European Communities and/or local codes.

*Safety Code For Portable Air Tools* (B166.1) available from: American National Standards Institute, Inc., 11 W. 42nd Street, New York, NY 10036, USA.

*Safety Requirement For Hand-Held Non-Electric Power Tools* available from: European Committee for Standardization, Rue de Stassart 38, 1060 Brussels, Belgium.

**Air Supply And Connection Hazards**

Air under pressure can cause severe injury. Always shut off air supply, drain hose of air pressure and disconnect tool from air supply when not in use, before changing accessories or when making repairs. Never direct air at yourself or anyone else. Wearing hoses can cause serious injury. Always check for damaged or loose hoses and fittings. Do not use quick disconnect couplings at tool. See instructions for correct set-up. Whenever universal twist coupling used, lock pins must be installed. Do not exceed maximum air pressure of 90 psi (6.2 bar) as stated on tool nameplate.

**Entanglement Hazards**

Keep away from rotating drive. Do not wear jewelry or loose clothing. Choking can occur if neckwear is not kept away from tool and accessories. Seizing can occur if air is not kept away from tool and accessories. Avoid direct contact with accessories during and after use. Gloves will reduce the risk of cuts or burns. Use only proper accessory retainers (see parts list). Use deep sockets wherever possible.

**PROJECTILE HAZARDS**

Always wear impact-resistant eye and face protection when involved with or near the operation, repair or maintenance of the tool or changing accessories on the tool.

Always use the simplest hook-up possible. Long, spring extension bars and adapters absorb impact power and could break. Use deep sockets wherever possible. Never operate the tool off the work. It may run too fast and cause the accessory to be thrown off the tool.

**Workplace Hazards**

Slip/Trip/Fall is a major cause of serious injury or death. Beware of excess hose left on the walking or work surface. High sound levels can cause permanent hearing loss. Use hearing protection as recommended by your employer or OSHA regulation (see 29 CFR part 1910).

Maintain a balanced body position and secure footing. Be in control of the throttle at all times. Do not get caught between the tool and the work.

Repetitive work motions, awkward positions and exposure to vibration can be harmful to hands and arms. If numbness, tingling, pain or whitening of the skin occurs, stop using the tool and consult a physician.

Avoid inhaling dust or handling debris from work process that can be harmful to the body. Proper breathing protection must be worn when working with materials which produce airborne particles. Proceed with care in unfamiliar surroundings. Be aware of potential hazards created by the work activity. This tool is not insulated for coming into contact with electric power sources.

**ADDITIONAL SAFETY TOPICS**

This tool and its accessories must not be modified. This tool is not recommended for use in explosive atmospheres. Operators and maintenance personnel must be physically able to handle the bulk, weight and power of the tool. For tools using the pin and O-ring socket retention system, use the O-ring to secure retain the socket pin.

**EC DECLARATION OF CONFORMITY**

We, Desoutter Limited, HP2 7DR, UK, declare under our sole responsibility that the product to which this declaration relates is in conformity with the requirements of the Council Directive of 16 June 1989 on the approximation of the laws of the Member States relating to machinery (89/392/EEC).

Machine Name: 2W82-P Impact Wrench

Machine Type Assembly Power Tool for Threaded Fasteners - No other use is permitted.

Serial No. Tools with No. 51668-1999 or higher

Technical Data

1" (25 mm) 0.8 hp, Dr.

Bolt size: 1" Grade 8

Air pressure 90 psi (6,2 bar)

Torque range 455-1445 ft. lb. (661-1965 Nm)

UL, torques 1700 ft. lb. (2305 Nm)

Ft. Speed 4400 RPM

Air Consumption (Free speed) 41 ft/min (12.9 l/s)

Harmonised Standards Applied EN952

National Standards Applied ISO 9867-1, Pneumatic PNBT1C2

Name And Position Of Issuer C. J. Duden, Engineering Manager, Desoutter Limited

Signature Of Issuer

Place And Date Of Issue London, England, January 1, 1997