

IMPACT WRENCH 1" HEAVY DUTY

Professional Air Tools

Notice

1. The warranty period of all air tools is three months from the date of purchase (the date on receipt or invoice). Customers are entitled to following services:
 - a. During valid warranty period, repair services will be provided free of charge if the product proves to be defective in workmanship or material.
 - b. After warranty period is expired, charged service will be provided during service lifetime of the tool.
2. The warranty does not cover products that are:
 - a. damaged due to working pressure of more than rated value ($\cong 8.0 \text{ kg/cm}^2$).
 - b. damaged due to using lubricants other than specified types that result in rusting or worn-out of cylinder.
 - c. broken or ruptured due to external force;
 - d. tampered by non-professional service personnel;
 - e. beyond the warranty period.

MAINTENANCE INSTRUCTIONS

Following instructions are to be followed so as to ensure excellent performance and maximum service lifetime of the tool:

● Use air supply only with correct pressure

Air supply pressure shall be maintained within the range of $6.3 \sim 8.0 \text{ kg/cm}^2$. The air compressor used shall have a minimum flow rate of 520 L/min with rated power of more than 5.0 HP. Work efficiency will be significantly decreased or even normal operation can not be maintained if the air pressure is too low. Though work efficiency might be increased, internal components are likely to be damaged and the tool's lifetime shortened if the air pressure is too high.

● Use air hose only with correct size

The internal diameter of air hose for 1 " air impact wrench must be 1/2 " (12.7mm), and 3/8 " (9.5mm) for 3/4 " and 1/2 " wrenches; The longer the hose, the more air pressure decrease will occur.

● Use filers

Water, dust, rust and other foreign substances are the main reasons for early deterioration of air tool components. A filter must be mounted in place to prevent foreign substances entering tools. The filter shall allow sufficient air flow and be rinsed regularly as necessary. Otherwise, operation of air tool will be negatively affected. Furthermore, air compressors in which condensate water would accumulate has to be drained regularly to ensure that only dry air enters the air tools.

● Proper lubrication

To ensure proper operation during expected service lifetime, an air tool shall be lubricated regularly and properly. The correct way of lubrication is through a combination device which incorporates lubricator, filter and regulator. When air flow passes the device, lubricants will be atomized and then sent into the tool and lubricate those internal moving parts and reduce their wear. The device shall be located as close to the air inlet as possible.

The selection of lubricants is also very important. Incorrect lubricants will impair the tools on the contrary. Air tool lubricant, spindle oil, sewing machine oil or SAE #10 lubricant. The use of thick machine oil is prohibited. In case the oil-water-mixer is not available, before operation inject 3~4 drops of lubricant into air inlet of the tool, or inject lubricant into the hole specially designed for oil-filling after the screw cap is removed and then tighten the cap in place.

For air impact wrenches with hammer-and-rotation mechanism, lubricants at hammering section should be checked on the daily basis. SAE #30 lubricant is to be used.

Note: If insufficient torque, non-turning, or decrease of impact force occurs, check the tool with reference to above instructions step by step to solve the problem. If the problem persists, contact the nearest dealer or the manufacturer directly.

If the tool is not turning or turning not smoothly (obvious decrease in torque), inject sufficient air tool lubricant or spindle oil into the oil filling hole and try to make it turn smoothly. If the problem persists after the tool is rinsed two or three times, send the tool to the nearest dealer for repair.