SI-1070

PNEUMATIC TOOLS SHINANO INC.

INSTRUCTION MANUAL FOR AIR IMPACT DRIVER

Safety Precautions

To ensure safe operation of this pneumatic tool, always adhere to the following safety standards:

■Work Area and Apparel

Always wear approved safety goggles, a dust mask, ear protectors (hearing protection), and safety shoes during operation.
Do not wear loose-fitting clothing, ties, necklaces, or unconfined long hair, as they can be caught in the rotating parts.
Never operate this tool in explosive atmospheres, such as in the presence of flammable liquids, gases, or high dust levels.
Sparks generated during drilling can ignite dust or fumes.

■Air Supply & Pressure Management

Do not exceed the maximum operating air pressure of 0.63 MPa (90 PSI).Excessive air pressure can cause tool bursting or abnormal high-speed rotation, resulting in severe danger.
Ensure the air supply line is equipped with an air filter to remove moisture/debris and a lubricator for continuous tool oiling.

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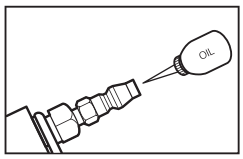
Accessories : Driver Bit (1)
Safety instructions (1)

Air Supply & Connection

Dry & Clean Air: Ensure the air compressor delivers clean, dry air.
Moisture and dust in the air line will cause rust and damage the internal motor components.
Hose Connection: Clean the air hose and fittings before connecting them to the tool.
FRL Unit: The use of an air filter-regulator-lubricator (FRL) unit is highly recommended to maintain tool longevity and performance.

Daily Lubrication

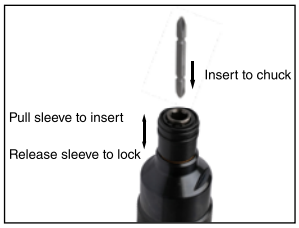
If an automatic line lubricator is not used, inject 1 to 2 drops of high-grade pneumatic tool oil (ISO VG32 turbine oil) directly into the air inlet before and after each use.
Run the tool at free speed for a few seconds to distribute the oil evenly inside the motor.



Operating Instructions

CAUTION: Always disconnect the air hose from the tool before installing, removing, or adjusting the driver bits to prevent accidental startup.

1. Driver Bit Installation & Removal (One-Touch Sleeve Type)
Pull the chuck sleeve at the tip of the tool forward and hold it.
Insert a 1/4" (6.35mm) hex shank driver bit straight into the chuck as far as it will go.
Release the chuck sleeve to let it return to its original position.
Verification: Hand-test the bit by giving it a light pull to ensure it is completely locked in place.
Visually check that the bit is aligned straight along the center axis before operation.
Removal: To remove the bit, pull the chuck sleeve forward in the same manner and pull the bit out.



Driver Bit Installation

2. Forward/Reverse Rotation
Forward/Reverse Lever: Switch the lever according to your work objective.
This allows you to easily change between tightening (Forward) and loosening (Reverse).



Forwad/Reverse Lever

3. Tool Handling & Operation
Hold the tool's pistol grip securely. Although it has a compact and lightweight body, make sure to hold it firmly to withstand the reaction force during impacting.
Align the tip of the driver bit straight and accurately into the groove of the screw head.
Apply adequate downward pressure perpendicular to the screw so that the bit does not slip out and strip the screw head, then depress the "feather touch" throttle trigger to start.
As soon as the screw is fully tightened or loosened, release the trigger immediately.
Wait until the tool stops rotating completely before lifting the bit off the screw head and putting the tool down.

Maintenance & Storage

Post-Use Cleaning: Remove the drill bit after use.
Clean the tool body and air inlet area with a dry cloth or clean compressed air to remove accumulated chips and dust.
Moisture Drainage: Drain the compressor tank and air line water traps daily. Moisture entering the tool internals causes rust and premature motor failure.
Storage: Store the tool in a dry, safe environment. If the tool is to be stored for an extended period, apply a generous amount of air oil into the inlet, run it for 2-3 seconds to coat internal components, and wrap it securely.

SI-1070 Specifications

Model Number	Free Speed rpm	Shank Size in./(mm)	Max Torque Nm/(ft-lb)	Working Torque Nm/(ft-lb)	Bolt Cap mm/(in.)	Weight kg/(lb)	Noise Level dBA/(power)	Vibration a/k m/s^2	Avg.Air Consumption CFM	Hose Size mm/(in.)
SI-1070	11,000	1/4"/ (6.35)	35/(25.8)	0-30/(0-22)	6/(1/4)	0.65/(1.43)	83/(94)	6.4/(2.1)	2.1/(1.0)	10 / (3/8")

Noise levels according to ISO 15744:2008,ISO 11203:2009 Vibration level according to ISO 28927

⚠ WARNING

- Neither use the damaged driver bit nor the different size product.
- When a hard material or a long screw is fastened, hold the tool firmly with both hands, because, a high reaction torque burdens over the hands and wrists during impacting.
- Be sure to use the driver bit and the other parts, which we can recommend.

⚠ CAUTION

- Avoid using it for the other purpose than the usage, and do the forcible operation beyond the capability.
- Unnecessary idle operation will encourage to wear and result in failure. Avoid such operation.
- The air tool is a precious tool. Neither throw nor drop the tool, nor give a strong shock thereto.
- After operations, be sure to prevent dusts from entering at the air inlet.
- Operate the tool within the air pressure of 0.63Mpa (6.5kg/cm^2). If operated in high pressure, the maximum allowance speed will be exceeded, which may result in damage of components.

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