



HDP Series Pistol Grip Trigger Start Direct Drive User Manual

Pneumatic Screwdriver Product Description

A pneumatic screwdriver or nutrunner is a compressed air powered tool that is used to tighten or loosen screws, bolts, nuts, or other threaded fasteners. Do not use this tool for any other purpose.

Pneumatic Screwdriver Safety Instructions

1. Always install, operate, inspect, and maintain this screwdriver in accordance to any applicable local, state, or national regulations and standards.
2. Be sure all hoses and fittings are the correct size and are tightly secured.
3. Do not use damaged, deteriorated, or frayed air hoses or fittings.
4. Ensure that an emergency shut off valve is installed in an easily accessible location.
5. Stay clear of whipping air hoses. Shut the air supply off before approaching a whipping hose.
6. Keep the work area clean, uncluttered, well ventilated, and properly illuminated.
7. Keep hands, loose clothing, long hair, and jewelry away from the bit or socket.
8. Never drag or carry the tool by the air hose.
9. When using angle tools be aware of pinch points caused by possible torque reaction during run down and at shut off.

Pneumatic Tool General Instructions

AIR SUPPLY

1. Air tools are adversely affected by moisture and dirt. Since air from air compressors can contain moisture and rust, it is desirable to provide a filter and lubricator in the pipeline to remove such elements.
2. When installing a new air hose or air pipe, blow air through the hose or pipe to clean it before connecting the tool.
3. When using an air hose or air pipe which has been idle for any length of time, blow air through the hose or pipe to clean it before connecting the tool.
4. When disconnecting an air tool from an air hose, do not drop the hose onto the floor. This will prevent debris from contaminating the tool the next time the tool is connected.
5. Use an air regulator to maintain a stable air pressure of 85 psi at the tool.
6. Drain any water from the system at the beginning and at the end of each day of operation.
7. Make sure the air pressure is set properly before setting the clutch.

LUBRICATION

Do not lubricate the tools with flammable or volatile liquids such as automatic transmission fluid, power steering fluid, jet fuel, diesel, or kerosene. Use only properly labeled air tool oil.

1. Proper lubrication is indispensable to air tools. The most ideal method is to install one lubricator per tool to automatically add oil to the air going into the tool.

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Pneumatic Tool General Instructions (Continued)

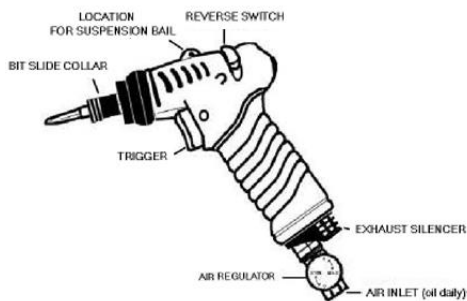
LUBRICATION (Continued)

- Manual lubrication: If an automatic lubricator is not available for each tool then the tools should be manually oiled twice each day. The tool should be oiled prior to the start of operation for the day and at the end of operations for the day.

At the start of operations one or two oz. of light machine oil or air tool oil should be poured into the air inlet of the tool. The tool should then be run with its exhaust directed into a rag or towel to prevent the oil mist from contaminating the work area or parts.

At the end of operations one or two oz. of light machine oil or air tool oil should be poured into the air inlet of the tool. The trigger (on trigger start or lever start tools) or the bit or spindle (on push to start tools) should be pressed briefly, just enough to get the oil into the motor of the tool. This way the oil will prevent any rust caused by moisture in the air from forming in the tool while it is idle. It will also absorb any other contamination and flush it out the next time the tool is used.

Operating Instructions



Note: This tool is a DIRECT DRIVE tool. It may also be described as a STALL TOOL. The torque output of this tool is a direct result of the air pressure supplied to the tool. This type of tool will stall the tool reaches torque.

- Insert the proper driver bit by pulling BIT SLIDE COLLAR away from the tool body. Make sure the collar springs back to its original position to insure the bit is locked in spindle.
- Set the torque on the tool by turning the knob on the AIR REGULATOR at the air inlet. The more air you allow into the tool the more torque will be applied to the fastener as the tool stalls. The regulator knob can be turned either clockwise or counter clockwise to adjust the air pressure to the motor. If the inline regulator is not used on the tool then a pressure regulator must be provided at the tool connection point to be able to regulate the air pressure to the tool, and the torque output.
To set torque with the most precision use a torque meter such as an ASG DTT or DTT-L series Torque meter. Contact ASG for details.
- Use the REVERSE SWITCH to change the direction of rotation of the tool. **CAUTION:** do not shift the tool between forward and reverse while the tool is running. This may damage the air motor.
- Press the TRIGGER to start the tool. The tool will run until the torque applied to the fastener is equal to the torque output of the motor. At that point the tool will stall in your hand. **CAUTION:** THIS IS A STALL TOOL, be prepared for the torque reaction when the tool stops. Always maintain a firm grip on the tool, always use the tool in a proper work area, always maintain your balance while using the tool.
- On pistol grip trigger start direct drive tools do not attempt to connect air hose to top of tool or rear of tool. Use only the air inlet at the bottom of the pistol grip.

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Pneumatic Tool General Instructions (Continued)

Operating Instructions (Continued)

Test result according to EN 792-6:2000

Model	Vibration EN 28662-1 and EN ISO 8662-7	Noise: prEN ISO 15744:99	Safety Instructions Warning
		Sound Pressure Level	
HDP39	Load 1.1 m/s ²	73 db	Read this manual and understand all safety instructions before operating tools. Wear approved eye protection, ear protection, and gloves while operating tools.
HDP48	Load 0.8 m/s ²	73.9 db	
HDP59	Load 0.1 m/s ²	75 db	

Removing or Installing Air Fittings From the Air Inlet of ASG H Series Air Tools

Caution! When installing or removing air fittings, or air hoses, from the air inlet of any ASG H Series air tools always use either a 17MM wrench or an 11/16" wrench to hold the air inlet while tightening or loosening the fitting as shown in photo below.

If the air inlet is over tightened while installing a fitting or hose on pistol grip tools the composite housing can split. This type of damage will not be covered under warranty. If the air inlet is over tightened while installing a fitting or hose on inline tools the silencer can be damaged or the forward reverse valve can bind. This type of damage will not be covered under warranty.

If the air inlet is removed from inline push to start tools the cone spring and operating rod can fall out. Missing parts are not covered under warranty.

If the air inlet is removed from inline lever start tools the cone spring and ball can fall out. Missing parts are not covered under warranty.

