HA and HAW Series Right Angle Lever Start Auto Shut Off

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)

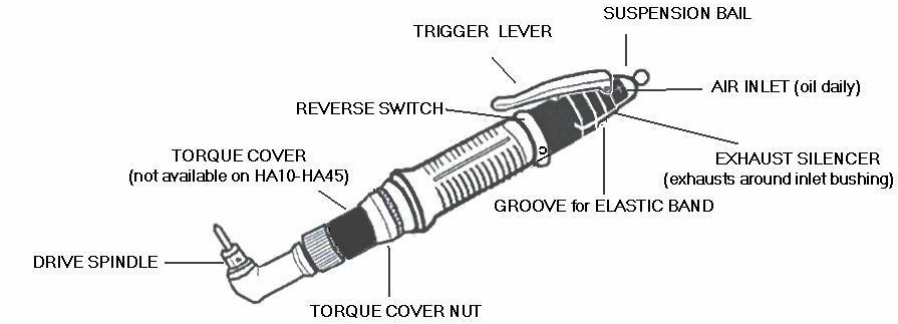
LUBRICATION (Continued)

2. 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



1. Insert proper driver bit by pushing the bit into the DRIVE SPINDLE. Use only **Insert Style Bits**. These bits are identified by the full hexagonal shape of the body with no groove for a locking ball and are generally about a inch or less in length. Push the bit in as far as it will go (about 1/2") – the bit is held in place with a ball under tension by a metal band around the spindle. To remove the bit, simply pull it straight out. On tools with a square drive the socket will push on to the square.
2. Set the torque on the tool by loosening the TORQUE COVER (used only on HA48 through HA68). The TORQUE COVER is loosened by unscrewing the TORQUE COVER NUT. With the cover (and/or the nut) moved towards the angle head, you can see a torque scale on the tool ahead of the threads where the nut was attached. The scale goes from 0 to 10. Only the even numbers appear, 2,4,6 and 8. This is not the actual torque the tool is going to produce. If the torque range of the tool is 4 to 26 inch pounds, then 0 is going to be approximately equal to 4 inch pounds and 10 is going to be approximately equal to 26 inch pounds. There are 4 colored ELASTIC BANDS supplied with the tool, RED, GREEN, YELLOW and BLUE. These different colors can be used to indicate the torque values of similar tools on the same line or to indicate tools belonging to a specific cell or line. The elastic band fits into a groove just ahead of the trigger lever. To attach a band, slip the band down the trigger lever between the lever and the body of the tool. Lift the lever gently away from the body to allow the band to pass the valve pin.

   With any air fitting or hose removed, stretch the band around the air inlet and press the band into the groove. To remove, reverse the procedure.

   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.
3. 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.

Pneumatic Tool General Instructions (Continued)

Operating Instructions (Continued)

4. Press the TRIGGER LEVER to start the tool. The tool will run until the preset torque has been reached. The motor will then be automatically stopped, and no more torque will be applied.
5. On LEVER START type tools use caution when setting the tool down to prevent the tool from accidentally starting.
6. On angle style tools use caution at high torques to avoid any pinching of hands and fingers due to tool reaction during rundown or at shut off.

Model	Vibration EN 28662-1 and EN ISO 8662-7	Noise: prEN ISO 15744:99 Sound Pressure Level	! Safety Instructions Warning
HA10 and HAW10	Load 0.4 m/s²	68 db	Read this manual and understand all safety instructions before operating tools. Wear approved eye protection, ear protection, and gloves while operating tools.
HA10-40 and HAW10-40	Load 0.9 m/s²	75 db	
HA45 and HAW45	Load 1.1 m/s²	73 db	
HA48-50 and HAW48-50	Load 0.8 m/s²	77 db	
HA55 and HAW55	Load 1.0 m/s²	76 db	
HA60-68 and HAW60-68	Load 0.9 m/s²	77 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 tool 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 will not be covered under warranty.