

POWERNAIL[®] CO.

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Operation and Maintenance Manual

Models 445 XLL, XLS, LL, LS, SL, SS, & SN Pneumatic Powernailer[®]



WARNING

Read this manual before you use this Nailer. Follow all safety warnings and instructions. Do not attempt any disassembly or repairs while the air line is connected. Always disconnect the air line first. Do not use excessive unregulated air pressure.

If you are uncertain about the operation of the Nailer, call us directly a 1-800-323-1653 for assistance or contact the closest Powernail[®] Dealer for help. Please retain this information for future reference.

REVISION G3-0908

TO PREVENT ACCIDENTAL INJURIES:

Always wear approved front and side **EYE PROTECTION** when operating this Nailer. Others in the work area should also wear front and side **EYE PROTECTION**. Eye protection will help guard against flying nails and debris, which could cause severe eye injury.

EAR PROTECTION may be required to prevent hearing damage when there are high noise levels in the work area.

Always **DISCONNECT THE AIR SUPPLY** before making any adjustments, repairing, clearing jams or when the Nailer is not in use.

Never attach the female end of a quick disconnect to the Nailer. This will trap air inside the Nailer and permit it to be discharged. Only the unrestricted male connection should be attached to the Nailer.

Use only regulated compressed air, do not use bottled gases of any kind to power this Nailer. Normal air pressure should not exceed 120 psi or damage to the Nailer and seals may occur. Excess air pressure can cause the Nailer to explode.

THE TRIGGER IS A SAFETY DEVICE and should only be pulled when the Nailer is in proper position on the work surface and before the plunger is struck with the mallet. Do not tie or tape down the safety trigger as the Nailer could discharge if dropped on the plunger. The Nailer will not fire unless the trigger is pulled before the mallet blow.

Do not use the trigger safety as a lock up for the plunger then rack the wood using the locked up Nailer body. It will severely damage the mechanism and the Nailer. Use the mallet to rack the wood strip, not the Nailer.

DO NOT USE THE METAL END OF THE MALLET TO STRIKE THE PLUNGER, use the rubber capped end only.

Never place any part of the body in the discharge path of the Nailer when air is connected to the Nailer. Always make sure Nailer is empty of cleats before connecting air hose so as to prevent any accidental discharge from occurring.

Never leave the Nailer unattended while it is connected to an air supply.

DESCRIPTION

The Powernailer® Model 445 Mallet Actuated Pneumatic Nailer is the latest model designed to bring Powernail quality to a pneumatic Nailer. For those looking for the ease of use of a pneumatic tool, the Powernailer Model 445—designed for use with 1-1/2", 1-3/4" and 2" Powercleats® nails—provides several distinct advantages. Like our Model 45, the Model 445 can nail down 1/2", 3/4" and 33/32" tongue and groove hardwood flooring through the use of easy-to-change, no-mar adapter plates.

To use the Model 445, simply snug up the flooring with the rubber mallet, pull the safety trigger and tap the plunger with the rubber capped mallet end and let the Nailer drive and set the nail at the correct 45 degree angle.

For a superior pneumatic Nailer, look to the company that has been the industry's quality leader for over 50 years, **POWERNAIL® COMPANY, INCORPORATED**.

OPERATION

Read these instructions carefully before you use the Nailer.

WARNING Whenever air is connected to the Nailer, keep body parts away from the nail discharge path. Disconnect the air line before making adjustments or repairs on the Nailer. Only connect air to an unloaded Nailer so as to prevent accidental discharge.

Consult the drawing for the appropriate adapter pad to use with the thickness of flooring you are installing.

Rack the flooring into place with the rubber end of the mallet supplied with the Nailer

Place the Nailer Adapter Foot on the tongued edge of the flooring strip to be nailed. Be sure the Adapter Foot is pressed tightly against the edge of the flooring strip above the tongue.

Be sure flooring strips are racked tightly. Pull the Safety Trigger and tap the Nailer Plunger Rubber Cap with the rubber capped end of the mallet to discharge the Nailer.

WARNING It is not necessary to hit the Nailer hard to activate it. Never hit the Nailer with excessive force or with the metal end of the mallet, this will damage the Nailer.

Never use the Safety Trigger interlock to lock up the plunger and rack the wood with blows to the Nailer body. This will severely damage the safety mechanism and Nailer. This abuse and damage is not covered by the warranty.

Before each use check all screws to be sure they are tight. Shock and vibration can loosen screws. Do not over tighten any screw.

AIR SUPPLY:

The air must be clean and dry. Dirty and/or wet air will damage the Nailer. A combination filter-regulator-lubricator is required for proper Nailer performance and should be placed close to the Nailer per manufacturers' recommendations.

Drywall Dust:

- Using Pneumatic Powernailers in drywall dust conditions will dramatically decrease the life of the Nailer.
- Drywall dust is abrasive, when cycled through the Nailer it will cause excessive wear.

Fill the lubricator with a high-quality Air Tool Oil. Adjust the lubricator to the manufacturers' recommendations. Do not over oil the Nailer, as excess oil will be discharged with the spent air and could stain the wood flooring, walls or furnishings. **We will not be responsible for oil stains.**

WARNING

Detergent oil is not recommended and may damage the seals. Consult the filter regulator lubricator manufacturer's recommendations for proper operation, settings and unit maintenance.

The air source must continuously deliver 100 to 120 psi and 3-1/2 cubic feet of air per minute to operate the Nailer. Connect a 1/4" minimum internal diameter and clean air hose to the Nailer. Be sure the air regulator is set at 90 psi. If the nail is not countersunk below the surface of the wood, turn up the air pressure, but not over 120 psi.

Check for air supply leaks that waste air and starve the Nailer of air thereby reducing its performance. There should be no orifice smaller than 1/4" in the air path between the Regulator and the Nailer.

LUBRICATION:

If you do not use an in line lubricator, you must lubricate the Nailer manually. The frequency of lubrication is dependent upon the duty cycle of the Nailer. Continuous duty requires more frequent oiling than intermittent duty.

At least every eight (8) hours place two to four drops of Air Tool Oil, supplied with your Nailer, into the disconnected air line male connector attached to the Nailer.

WARNING

Do not over lubricate the Nailer, excess oil mist or drops will be vented with spent air when over lubricated. Excess oil could stain the wood flooring, walls or furnishings. Dry fire the Nailer, without nails, to purge excess oil, before you begin to nail down flooring.

We will not be responsible for oil stains. Before storing the Nailer, lubricate and cycle the Nailer in insure internal parts are oil protected from corrosion.

TO LOAD MODEL 445 XLL, LL or SL:

Place up to two sticks (200 Powercleats) into the Nail Channel feed slot. Pull back the spring loaded Nail Pusher over the nails until it contacts the last nail and slowly release the Nail Pusher.

TO LOAD MODEL 445 XLS, LS or SS:

Place one stick (100 Powercleats) into the Nail Channel feed slot.

TO LOAD MODEL 445 SN:

Place 1/2 stick (50 Powercleats) into the Nail Channel feed slot.

TO UNLOAD:

To remove nails from the Nail Channel, pull the two round knobs on the Nail Pusher together. This will clear it from the nail path. Then turn the Nailer over so the nails slide out of the channel.

WARNING

Do not use any nails other than Powernail Powercleats Nails, which are specifically designed for use in any Powernailer. Powercleats Nails are available in various lengths to accommodate any flooring thickness. Contact your Powernail Dealer for Powercleats Nails.