

OPERATION

Read these instructions carefully before you use the Stapler.

WARNING

Whenever air is connected to the Stapler, keep body parts away from the staple discharge path. Disconnect the air line before making adjustments or repairs on the Stapler. Only connect air to an unloaded Stapler 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 Stapler.

Place the Stapler Adapter Foot on the tongued edge of the flooring strip to be stapled. 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 Stapler Plunger Rubber Cap with the rubber capped end of the mallet to discharge the Stapler.

WARNING

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

Never use the Safety Trigger interlock to lock up the plunger and rack the wood with blows to the Stapler body. This will severely damage the safety mechanism and Stapler. 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 Stapler. A combination filter-regulator-lubricator is required for proper Stapler performance and should be placed close to the Stapler per manufacturers' recommendations.

Drywall Dust:

- Using Pneumatic PowerStapler in drywall dust conditions will dramatically decrease the life of the Stapler.
- Drywall dust is abrasive, when cycled through the Stapler 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 Stapler, 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 Stapler. Connect a 1/4" minimum internal diameter and clean air hose to the Stapler. Be sure the air regulator is set at 90 psi. If the staple 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 Stapler of air thereby reducing its performance. There should be no orifice smaller than 1/4" in the air path between the Regulator and the Stapler.

LUBRICATION:

If you do not use an in line lubricator, you must lubricate the Stapler manually. The frequency of lubrication is dependent upon the duty cycle of the Stapler. 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 Stapler, into the disconnected air line male connector attached to the Stapler.

WARNING

Do not over lubricate the Stapler, 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 Stapler, without nails, to purge excess oil, before you begin to staple down flooring.

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

OPERATION (continued)

TO LOAD MODEL 445 FS:

Pull back the steel staple pusher until it catches and locks in place on angle at rear end of center channel. Place up to two clips (about 100 PowerStaples) into the Channel feed slot and allow to slide down channel into place. Unlock steel pusher by pulling it back and up over angle so it slides on center channel until it makes contact with staples.

TO UNLOAD:

Disconnect air supply before unloading. To remove staples from the staple Channel, pull back steel staple pusher until it catches and locks in place on angle at rear end of the center channel. Tilt stapler back so that any remaining staples may slide back down the channel towards rear of stapler. Turn stapler over allowing staples to come out of slot on top of channel.

PARTS & SERVICE:

When ordering parts include the part number, part description, PowerStapler model and serial number. Be sure to state the quantity of the part(s) required. Contact your Pownail Dealer for the necessary parts.

WARNING

Never work on the Stapler if the air line is attached. Always disconnect the air line from the Stapler first.

STAPLER DISASSEMBLY:

TO REPLACE RUBBER BUMPER (#20):

1. Disconnect the air supply
2. Remove the four (4) cap screws holding the Adapter Foot, Foot and Staple Channel assembly to the main Body (see illustration).
3. Pull the Rubber Bumper out of the cylinder bore. Replace the old Bumper if it shows signs of wear or it is split.
4. Reverse these steps to reassemble the Stapler. Be sure to align the Driving Blade with the slot in the Staple Channel Assembly while you reassemble the Stapler **NEVER FIRE THE STAPLER WITHOUT THE RUBBER BUMPER INSTALLED, IT WILL SEVERELY DAMAGE THE STAPLER.**

TO REPLACE DRIVING BLADE (#14):

1. Disconnect the air supply.
2. Remove the four socket head cap screws holding the Adapter Foot, Foot and Stapler Channel Assembly to the body.
3. Remove the Rubber Bumper.
4. Pull the Driving Blade with pliers until the Piston is fully extended outward towards the bottom of the cylinder.
5. Use the 15/16 inch box wrench supplied to unscrew the Driving Blade Jam Nut and remove it. Hold the Piston from turning while unscrewing the Jam Nut by holding the piston hex with the 1-1/8" box wrench supplied.
6. Push out the 1/4" diameter blade retaining Dowel Pin and remove the broken Driving Blade stub.
7. Install a new Driving Blade in the slot and replace the Dowel Pin. Screw on the retaining Jam Nut using the same tools. If the Jam Nut becomes worn and loose after frequent removals, it should be replaced.
8. Check the fit, there should be some sideways movement between the Driving Blade and the Jam Nut assembly. This is desirable and helps the blade to align itself with the mating parts.
9. Reassemble the components. Be sure to align the Driving Blade with the slot in the Adapter Foot Assembly.

SEAL REPLACEMENT:

There are 7 seals that may require replacement. We recommend that you have your POWERNAIL Dealer replace the Seals.

SEAL KIT:

You may choose to buy a Seal Replacement Kit and replace the seals yourself. It is good practice to replace all seals at one time regardless if only one seal needs replacement.

SEAL DESCRIPTION & NUMBER:

1. Rubber Seat (#19)
2. Plunger Seal Set (#21)
3. Piston U-Cup Lip Seal (#22)
4. Return Cylinder U-Cup Lip Seal (#23)
5. Piston Rod U-Cup Lip Seal (#24)
6. Plunger Wiper Seal (#25)
7. Return Cylinder O-Ring Gasket (#26)