

Interchange Industrial

Operations and Maintenance Manual

**2-1/4" / 57mm
Pallet Coil Nailer**
1" to 2-1/4" (25 mm to 57 mm)

Model No.

CN57-I

Item No. **65705**

**2-3/4" / 70mm
Pallet Coil Nailer**
1-3/4" to 2-3/4" (45 mm to 70 mm)

Model No.

CN70-I

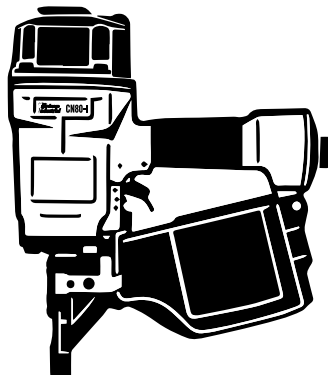
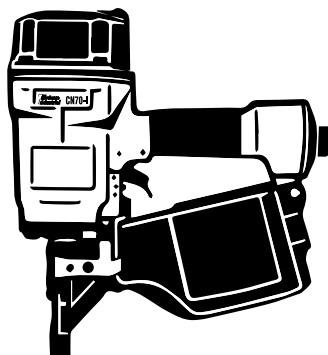
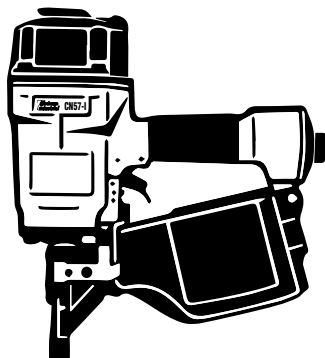
Item No. **65710**

**3-1/4" / 83mm
Pallet Coil Nailer**
2" to 3-1/4" (50 mm to 83 mm)

Model No.

CN80-I

Item No. **65715**



NOTE: Please read and fully understand the instructions in this manual before operating the pneumatic power tool. Carefully read through this OPERATOR'S MANUAL to ensure efficient, safe operation. It is recommended that the MANUAL be kept readily available as an important reference when using this tool.



CN57-I, CN70-I and CN80-I Pneumatic Coil Nailers

INTRODUCTION

These tools are designed for high speed, high volume nailing. They will deliver efficient, dependable service when used correctly and with care. As with any fine power tool, for best performance the manufacturer's instructions must be followed. Please study this manual before operating the tool and understand the safety warnings and cautions. The instructions on installation, operation and maintenance should be read carefully, and the manuals kept for reference.

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The Parts Lists and Schematics for the tools are packaged separately and are also available on the Interchange website: www.interchangebrands.com.

**SAVE THIS MANUAL
FOR FUTURE REFERENCE!**

SAFETY INSTRUCTIONS



TO AVOID SEVERE PERSONAL INJURY OR PROPERTY DAMAGE

BEFORE OPERATING THIS TOOL, ALL OPERATORS SHOULD READ AND STUDY THIS MANUAL TO UNDERSTAND AND FOLLOW THE SAFETY WARNINGS AND INSTRUCTIONS. FAILURE TO FOLLOW WARNINGS COULD RESULT IN DEATH OR SERIOUS INJURY. KEEP THESE INSTRUCTIONS WITH THE TOOL FOR FUTURE REFERENCE.

SAFETY



EYE PROTECTION which conforms to ANSI/ CE specifications and provides protection against flying particles both from the FRONT and SIDE should ALWAYS be worn by the operator and others in the work area when connecting to air supply, loading, operating or servicing this tool. Eye protection is required to guard against flying fasteners and debris, which could cause severe eye injury.



The employer and/or user must ensure that proper eye protection is worn. Eye protection equipment must conform to the requirements of the ANSI Z87.1 and 89/686/EEC, and provide both frontal and side protection. NOTE: Non-side shielded spectacles and face shields alone do not provide adequate protection.



CAUTION: Additional Safety Protection will be required in some environments. For example, the working area may include exposure to noise level which can lead to hearing damage. The employer and user must ensure that any necessary hearing protection is provided and used by the operator and others in the work area. Some environments will require the use of head protection equipment. When required, the employer and user must ensure that head protection conforming to ANSI Z89.1/ CE is used.

AIR SUPPLY AND CONNECTIONS

Do not use oxygen, combustible gases, or bottled gases as a power source for this tool as tool may explode possibly causing injury.

Do not use supply sources which can potentially exceed 200 P.S.I.G. as tool may burst, possibly causing injury.



The connector on the tool must not hold pressure when air supply is disconnected. If a wrong fitting is used, the tool can remain charged with air after disconnecting and thus will be able to drive a fastener even after the air line is disconnected possibly causing injury.

Do not pull trigger or depress contact arm while connected to the air supply as the tool may cycle, possibly causing injury.

Always disconnect air supply:

1. Before making adjustments;
2. When servicing the tool;
3. When clearing a jam;
4. When tool is not in use;
5. When moving to a different work area, as accidental actuation may occur, possibly causing injury.

NAIL LOADING

When loading tool:

1. Never place a hand or any part of body in fastener discharge area of tool;
2. Never point tool at anyone;
3. Do not pull the trigger or depress the trip as accidental actuation may occur, possibly causing injury.

OPERATION

Always handle the tool with care:

1. Never engage in horseplay;
2. Never pull the trigger unless nose is directed toward the work;
3. Keep others a safe distance from the tool while tool is in operation as accidental actuation may occur, possibly causing injury.

The operator must not hold the trigger pulled on contact arm tools except during fastening operation as serious injury could result if the trip accidentally contacted someone or something, causing the tool to cycle.

Keep hands and body away from the discharge area of the tool. A contact arm tool may bounce from the recoil of driving a fastener and an unwanted second fastener may be driven possibly causing injury.

Check operation of the contact arm mechanism frequently. Do not use the tool if the arm is not working correctly as accidental driving of a fastener may result. Do not interfere with the proper operation of the contact arm mechanism.

Do not drive fasteners on top of other fasteners or with the tool at an overly steep angle as this may cause deflection of fasteners which could cause injury.

Do not drive fasteners close to the edge of the work piece as the wood may split, allowing the fastener to be deflected possibly causing injury.

MAINTAINING THE TOOL

When working on air tools note the warnings in this manual and use extra care when evaluating problem tools.



CN57-I SPECIFICATIONS

TOOL SPECIFICATIONS	
LENGTH	10-5/8" / 270 mm
HEIGHT	11-1/8" / 283 mm
WIDTH	5-1/8" / 131 mm
WEIGHT	5.7 lbs. / 2.6 kgs.
RECOMMENDED OPERATING PRESSURE	70 to 120 psi / 5 to 8 bar
LOADING CAPACITY	300 to 350 Nails
AIR CONSUMPTION	2.1 cfm (1.0 liter/second) at 90 psi (6 bar) pressure
FASTENER SPECIFICATIONS	
NAIL LENGTH	1" to 2-1/4" / 25 to 57 mm
SHANK DIAMETER	.083" to .090" / 2.1 to 2.3 mm
SHANK TYPE	Smooth, Ring, Screw
PITCH	Accepts 6.8 and 8.1 Pitch

TOOL AIR FITTING

This tool uses a 1/4-18 N.P.T. male plug. The inside diameter should be .200" (5 mm) or larger. The fitting must be capable of discharging tool air pressure when disconnected from the air supply.

OPERATING PRESSURE

70 to 120 psi (5 to 8 kg/cm²). Select the operating pressure within this range for best fastener performance. **DO NOT EXCEED THIS RECOMMENDED OPERATING PRESSURE.**

CN57-I TECHNICAL DATA

AIR CONSUMPTION

The tool requires 2.1 cubic feet per minute (1.0 liter/second) of free air to operate at the rate of 100 nails per minute, at 90 psi (6.0 kg/cm²). Take the actual rate at which the tool will be run to determine the amount of air required. For instance, if your fastener usage averages 50 nails per minute, you need 50% of the 2.1 cfm which is required for running at 100 nails per minute.

NOISE

A-weighted single-event sound power level LWA, 1s: 106.48 dBA

A-weighted single-event emission sound pressure level at work station LpA 1s,d: 103.8 dBA

These values are determined and documented in accordance to EN12549.

VIBRATION

Vibration characteristic value = 2.35 m/s²

These values are determined and documented in accordance to ISO 8662-11.

This value is a tool-related characteristic value and does not represent the influence to the hand-arm-system when using the tool. An influence to the hand-arm-system when using the tool will for example depend on the gripping force, the contact pressure force, the working direction, the adjustment of main air supply and the workpiece support.

CN70-I SPECIFICATIONS

TOOL SPECIFICATIONS	
LENGTH	12-1/16" / 306 mm
HEIGHT	12-7/16" / 315 mm
WIDTH	5" / 128 mm
WEIGHT	7.9 lbs. / 3.6 kgs.
RECOMMENDED OPERATING PRESSURE	70 to 120 psi / 5 to 8 bar
LOADING CAPACITY	225 to 300 Nails
AIR CONSUMPTION	3.6 cfm (1.7 liter/second) at 90 psi (6 bar) pressure
FASTENER SPECIFICATIONS	
NAIL LENGTH	1-3/4" to 2-3/4" / 45 to 70 mm
SHANK DIAMETER	.092" to .113" / 2.3 to 2.9 mm
SHANK TYPE	Smooth, Ring, Screw

TOOL AIR FITTING

This tool uses a 1/4-18 N.P.T. male plug. The inside diameter should be .280" (7 mm) or larger. The fitting must be capable of discharging tool air pressure when disconnected from the air supply.

OPERATING PRESSURE

70 to 120 psi (5 to 8 kg/cm²). Select the operating pressure within this range for best fastener performance. **DO NOT EXCEED THIS RECOMMENDED OPERATING PRESSURE.**

CN70-I TECHNICAL DATA

AIR CONSUMPTION

The tool requires 3.6 cubic feet per minute (1.7 liter/second) of free air to operate at the rate of 100 nails per minute, at 90 psi (6.0 kg/cm²). Take the actual rate at which the tool will be run to determine the amount of air required. For instance, if your fastener usage averages 50 nails per minute, you need 50% of the 3.6 cfm which is required for running at 100 nails per minute.

NOISE

A-weighted single-event sound power level LWA, 1s: 115.7 dBA

A-weighted single-event emission sound pressure level at work station LpA 1s,d: 112.4 dBA

These values are determined and documented in accordance to EN12549.

VIBRATION

Vibration characteristic value= 3.37 m/s²

These values are determined and documented in accordance to ISO 8662-11.

This value is a tool-related characteristic value and does not represent the influence to the hand-arm-system when using the tool. An influence to the hand-arm-system when using the tool will for example depend on the gripping force, the contact pressure force, the working direction, the adjustment of main air supply and the workpiece support.

CN80-I SPECIFICATIONS

TOOL SPECIFICATIONS	
LENGTH	12-1/8" / 307 mm
HEIGHT	14-1/4" / 362 mm
WIDTH	5" / 128 mm
WEIGHT	8.8 lbs. / 4.0 kgs.
RECOMMENDED OPERATING PRESSURE	70 to 120 psi / 5 to 8 bar
LOADING CAPACITY	225 to 300 Nails
AIR CONSUMPTION	3.8 cfm (1.8 liter/second) at 90 psi (6 bar) pressure
FASTENER SPECIFICATIONS	
NAIL LENGTH	2" to 3-1/4" / 50 to 83 mm
SHANK DIAMETER	.099" to .131" / 2.5 to 3.3 mm
SHANK TYPE	Smooth, Ring, Screw

TOOL AIR FITTING

This tool uses a 1/4-18 N.P.T. male plug. The inside diameter should be .280" (7 mm) or larger. The fitting must be capable of discharging tool air pressure when disconnected from the air supply.

OPERATING PRESSURE

70 to 120 psi (5 to 8 kg/cm²). Select the operating pressure within this range for best fastener performance. **DO NOT EXCEED THIS RECOMMENDED OPERATING PRESSURE.**

CN80-I TECHNICAL DATA

AIR CONSUMPTION

The tool requires 3.8 cubic feet per minute (1.8 liter/second) of free air to operate at the rate of 100 nails per minute, at 90 psi (6.0 kg/cm²). Take the actual rate at which the tool will be run to determine the amount of air required. For instance, if your fastener usage averages 50 nails per minute, you need 50% of the 3.8 cfm which is required for running at 100 nails per minute.

NOISE

A-weighted single-event sound power level LWA, 1s: 114.3 dBA

A-weighted single-event emission sound pressure level at work station LpA 1s,d: 110.6 dBA

These values are determined and documented in accordance to EN12549.

VIBRATION

Vibration characteristic value= 3.36 m/s²

These values are determined and documented in accordance to ISO 8662-11.

This value is a tool-related characteristic value and does not represent the influence to the hand-arm-system when using the tool. An influence to the hand-arm-system when using the tool will for example depend on the gripping force, the contact pressure force, the working direction, the adjustment of main air supply and the workpiece support.

OPERATION

Refer to Operation Instructions and warnings on pages before proceeding to use this tool.

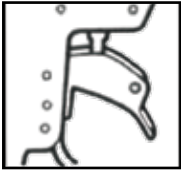
TWO TYPES OF OPERATION AVAILABLE FOR THESE TOOLS.

CONTACT TRIP – IDENTIFIED BY BLACK TRIGGER

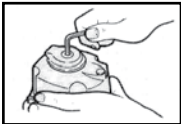


The common operating procedure on “Contact Trip” tools is for the operator to contact the work to actuate the trip mechanism while keeping the trigger pulled, thus driving a fastener each time the work is contacted. This will allow rapid fastener placement on many jobs, such as sheathing, decking and pallet assembly. All pneumatic tools are subject to recoil when driving fasteners. The tool may bounce, releasing the trip, and if unintentionally allowed to recontact the work surface with the trigger still actuated (finger still holding trigger pulled) an unwanted second fastener will be driven.

SEQUENTIAL TRIP (optional) – IDENTIFIED BY NICKEL PLATED TRIGGER



The Sequential Trip requires the operator to hold the tool against the work before pulling the trigger. This makes accurate fastener placement easier, for instance on framing, toe nailing and crating applications. The Sequential Trip allows exact fastener location without the possibility of driving a second fastener on recoil, as described under “Contact Trip”. The Sequential Trip Tool has a positive safety advantage because it will not accidentally drive a fastener if the tool is contacted against the work – or anything else – while the operator is holding the trigger pulled.



DIRECTIONAL EXHAUST DEFLECTOR (available on some models)

Loosen screw as shown.
Adjust to desired exhaust direction.
Re-tighten screw

AIR SUPPLY AND CONNECTIONS



DO NOT USE OXYGEN, COMBUSTIBLE GASES, OR BOTTLED GASES AS A POWER SOURCE FOR THIS TOOL AS TOOL MAY EXPLODE, POSSIBLY CAUSING INJURY.



FITTINGS: Install a male plug on the tool which is free flowing and which will release air pressure from the tool when disconnected from the supply source.

HOSES: Air hoses should have a minimum of 150 psi (10.6 kg/cm²) working pressure rating or 150 percent of the maximum pressure that could be produced in the air system. The supply hose should contain a fitting that will provide “quick disconnecting” from the male plug on the tool.

SUPPLY SOURCE: Use only clean regulated compressed air as a power source for this tool. NEVER USE OXYGEN, COMBUSTIBLE GASES, OR BOTTLED GASES, AS A POWER SOURCE FOR THIS TOOL, AS TOOL MAY EXPLODE.

REGULATOR: A pressure regulator with an operating pressure of 0 - 125 psi (0 - 8.79 kg cm²) is required to control the operating pressure for safe operation of this tool. Do not connect this tool to air pressure which can potentially exceed 200 psi (14 kg/cm²) as tool may fracture or burst, possibly causing injury.

OPERATING PRESSURE: Do not exceed recommended maximum operating pressure as tool wear will be greatly increased. The air supply must be capable of maintaining the operating pressure of the tool. Pressure drops in the air supply can reduce the tool’s driving power. Refer to “TOOL SPECIFICATIONS” for setting the correct operating pressure for the tool.

FILTER: Dirt and water in the air supply are major causes of wear in pneumatic tools. A filter will help to get the best performance and minimum wear from the tool. The filter must have adequate flow capacity for the specific installation. The filter has to be kept clean to be effective in providing clean compressed air to the tool. Consult the manufacturer’s instructions on proper maintenance of your filter. A dirty and clogged filter will cause a pressure drop which will reduce the tool’s performance.

LUBRICATION

Frequent, but not excessive, lubrication is required for best performance. Oil added through the air line connection will lubricate the internal parts. Interchange Pneumatic Tool Oil, or equivalent. Do not use detergent oil or additives as these lubricants will cause accelerated wear to the seals and bumpers in the tool, resulting in poor tool performance and frequent tool maintenance.

If no airline lubricator is used, add oil during use into the air fitting on the tool once or twice a day. Only a few drops of oil at a time is necessary. Too much oil will only collect inside the tool and will be noticeable in the exhaust cycle.

COLD WEATHER OPERATION

For cold weather operation, near and below freezing, the moisture in the air line may freeze and prevent tool operation. We recommend the use permanent antifreeze (ethylene glycol) as a cold weather lubricant.

CAUTION: Do not store tools in a cold weather environment to prevent frost or ice formation on the tools' operating valves and mechanisms that could cause tool failure. Test tool without fasteners prior to operations to ensure there is no malfunction of the tool due to ice formation.

NOTE: Some commercial air line drying liquids are harmful to "O"-rings and seals – do not use these low temperature air dryers without checking compatibility.

NAIL LOADING



EYE PROTECTION which conforms to ANSI/ CE specifications and provides protection against flying particles both from the FRONT and SIDE should ALWAYS be worn by the operator and others in the work area when connecting to air supply, loading, operating or servicing this tool. Eye protection is required to guard against flying fasteners and debris, which could cause severe eye injury.

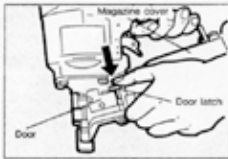
The employer and/or user must ensure that proper eye protection is worn. Eye protection equipment must conform to the requirements of the ANSI Z87.1 and 89/686/EEC, and provide both frontal and side protection. NOTE: Non-side shielded spectacles and face shields alone do not provide adequate protection.



TO PREVENT ACCIDENTAL INJURIES:

- Never place a hand or any other part of the body in nail discharge area of tool while the air supply is connected.
- Never point the tool at anyone else.
- Never engage in horseplay.
- Never pull the trigger unless tool nose is directed at the work.
- Always handle the tool with care.
- Do not pull the trigger or depress the trip mechanism while loading the tool.

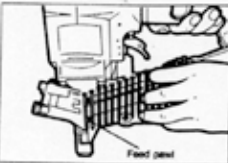
LOADING THE TOOL:



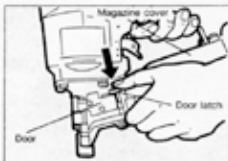
Open the magazine: Pull down door latch and swing door open. Open the magazine.



Nail length adjustment: The nail support can be moved up and down to four settings. To change setting pull up on the post and twist to the correct step. The nail support should be adjusted correctly to the position indicated in inches and millimeters inside magazine.



Nail loading: Place a coil of nails over the post in the magazine. Uncoil enough nails to reach the feed pawl, and place the second nail between the teeth on the feed pawl. The nail heads fit in slot on nose.



Swing cover closed and close the door: Check that latch engages. (If it does not engage, check that the nail heads are in the slot on the nose.)

TOOL OPERATION



EYE PROTECTION which conforms to ANSI/ CE specifications and provides protection against flying particles both from the FRONT and SIDE should ALWAYS be worn by the operator and others in the work area when connecting to air supply, loading, operating or servicing this tool. Eye protection is required to guard against flying fasteners and debris, which could cause severe eye injury.



The employer and/or user must ensure that proper eye protection is worn. Eye protection equipment must conform to the requirements of the ANSI Z87.1 and 89/686/EEC, and provide both frontal and side protection. NOTE: Non-side shielded spectacles and face shields alone do not provide adequate protection.

BEFORE HANDLING OR OPERATING THIS TOOL:

- READ AND UNDERSTAND THE WARNINGS CONTAINED IN THIS MANUAL.
- REFER TO “TOOL SPECIFICATIONS” IN THIS MANUAL TO IDENTIFY THE OPERATING SYSTEM ON YOUR TOOL.

OPERATION

There are two available systems on this tool:

1. CONTACT TRIP OPERATION
2. SEQUENTIAL TRIP OPERATION
(more information on page 8)

1. CONTACT TRIP OPERATION: The **CONTACT TRIP MODEL** tool contains a contact trip that operates in conjunction with the trigger to drive a fastener. There are two methods of operation to drive fasteners with a contact trip tool.

- a. **SINGLE FASTENER PLACEMENT:** To operate the tool in this manner, first position the contact trip on the work surface, **WITHOUT PULLING THE TRIGGER**. Depress the contact trip until the nose touches the work surface and then pull the trigger to drive a fastener. Do not press the tool against the work with extra force. Instead, allow the tool to recoil off the work surface to avoid a second unwanted fastener. Remove your finger from the trigger after each operation
- b. **RAPID FASTENER OPERATION:** To operate the tool in this manner, hold the tool with the contact trip pointing towards but not touching the work surface. Pull the trigger and then tap the contact trip against the work surface using a bouncing motion. Each depression of the contact trip will cause a fastener to be driven.

The operator must not hold the trigger pulled on contact trip tools except during fastening operation, as serious injury could result if the trip accidentally contacted someone or something, causing the tool to cycle.



Keep hands and body away from the discharge area of the tool. A contact trip tool may bounce from the recoil of driving a fastener and an unwanted second fastener may be driven, possibly causing injury.

2. SEQUENTIAL TRIP OPERATION: The **SEQUENTIAL TRIP MODEL** contains a contact trip that operates in conjunction with the trigger to drive a fastener.

To operate a sequential trip tool, first position the contact trip on the work surface **WITHOUT PULLING THE TRIGGER**. Depress the contact trip and then pull the trigger to drive a fastener. As long as the contact trip is contacting the work and is held depressed, the tool will drive a fastener each time the trigger is depressed. If the contact trip is allowed to leave the work surface, the sequence described above must be repeated to drive another fastener.

TOOL OPERATION CHECK

CAUTION: Remove all fasteners from tool before performing tool operation check.

1. CONTACT TRIP OPERATION:

- a. With finger off the trigger, press the contact trip against the work surface.
THE TOOL MUST NOT CYCLE.
- b. Hold the tool off the work surface, and pull the trigger.
THE TOOL MUST NOT CYCLE.
- c. With the tool off the work surface, pull the trigger. Press the contact trip against the work surface.
THE TOOL MUST CYCLE.
- d. Without touching the trigger, press the contact trip against the work surface, then pull the trigger.
THE TOOL MUST CYCLE.

2. SEQUENTIAL TRIP OPERATION:

- a. Press the contact trip against the work surface, without touching the trigger.
THE TOOL MUST NOT CYCLE.
- b. Hold the tool off the work surface and pull the trigger.
THE TOOL MUST NOT CYCLE.
Release the trigger. The trigger must return to the trigger stop on the frame.
- c. Pull the trigger and press the contact trip against the work surface.
THE TOOL MUST NOT CYCLE.
- d. With finger off the trigger, press the contact trip against the work surface.
Pull the trigger.
THE TOOL MUST CYCLE.

IN ADDITION TO THE OTHER WARNINGS CONTAINED IN THIS MANUAL, OBSERVE THE FOLLOWING FOR SAFE OPERATION

- Use the this pneumatic tool only for the purpose for which it was designed, like pallet, crating, sheathing, decking applications
- Never use this tool in a manner that could cause a fastener to be directed toward the user or others in the work area.
- Do not use the tool as a hammer.
- Always carry the tool by the handle. Never carry the tool by the air hose.
- Do not carry this tool with the trigger depressed when not in use.
- Do not alter or modify this tool from the original design or function.
- Always be aware that misuse and improper handling of this tool can cause injury to yourself and others.
- Never clamp or tape the trigger or contact trip in an actuated position.
- Never leave a tool unattended with the air hose attached.
- Do not operate this tool if it does not contain a legible WARNING LABEL.
- Do not continue to use a tool that leaks air or does not function properly. Notify your distributor or representative if your tool continues to experience functional problems.

MAINTAINING THE PNEUMATIC TOOL



When working on air tools, note the warnings in this manual and use extra care evaluating problem tools. Disconnect air supply and empty the magazine when inspecting or maintaining the tool.

REPLACEMENT PARTS:

Use only genuine parts from the manufacturer or distributor. Do not use modified parts or parts which will not give equivalent performance to the original equipment.

Tighten all screws.

Keep contact arm moving smoothly.

ASSEMBLY PROCEDURE FOR SEALS:

When repairing a tool, make sure the internal parts are clean and lubricated. Use Interchange Pneumatic Tool Oil or equivalent on all “O”-rings. Coat each “O”-ring with tool oil before assembling. Use a small amount of oil on all moving surfaces and pivots. After reassembly add a few drops of Interchange Pneumatic Tool Oil through the air line fitting before testing.

AIR PRESSURE AND VOLUME:

Air volume is as important as air pressure. The air volume supplied to the tool may be inadequate because of undersized fittings and hoses, or from the effects of dirt and water in the system. Restricted air flow will prevent the tool from receiving an adequate volume of air, even though the pressure reading is high. The results will be slow operation, mis-feeds or reduced driving power. Before evaluating tool problems for these symptoms, trace the air supply from the tool to the supply source for restrictive connectors, swivel fittings, low points containing water and anything else that would prevent full volume flow of air to the tool.

TROUBLESHOOTING/REPAIRS

The troubleshooting and/or repairs shall be carried out only by the authorized dealer/distributor or by other pneumatic tool specialists.

DRIVER MAINTENANCE INSTRUCTIONS

Worn driver causing poor quality or loss of power:

Wear on the driving tip will affect the nail drive, giving symptoms of bent and incompletely driven nails, and damaged nail heads.

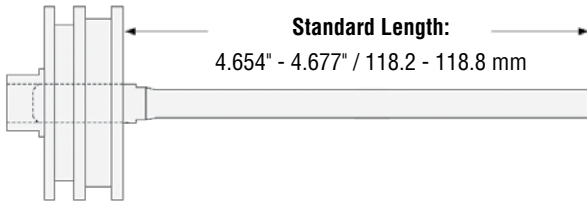
The driver length may be adjusted to allow the driving tip to be redressed to compensate for wear. Heat and precise measurement are required. Contact a qualified service technician for this adjustment.

The length setting for a new driver is shown below. Measurement is from the bottom face of the main piston.

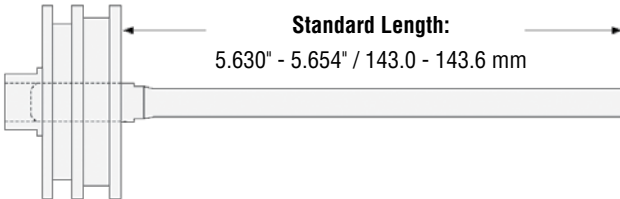
Note that the measurement from the top of the piston gives the maximum amount the driver may be adjusted to allow redressing. Always extend the driver the minimum required to allow redressing to restore the driving end; several re-dressings will be possible before this maximum depth is reached.

When using optional flangeless driver, see adjustment below. Be sure to use proper preparation and installation.

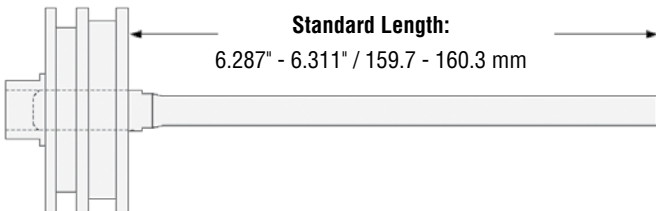
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Limited Five (5) Year Warranty for Pneumatic Nailers

Our products are designed and constructed using the highest standards of both material and workmanship. We warrant to the original retail purchaser that their nailers will be free from defects in material or workmanship for the warranty period of five years.

During the warranty period (which begins on the purchase date), we will repair or replace, at our option and expense, any product or part that is defective in materials or workmanship after examination by an Authorized Warranty Service Center, subject to the exceptions, exclusions and limitations described below. Any replacement product or part will carry a warranty for the balance of the warranty period applicable to the replaced product or part. A DATED SALES RECEIPT OR PROOF OF PURCHASE FROM THE ORIGINAL RETAIL PURCHASER IS REQUIRED TO MAKE A WARRANTY CLAIM. To make a warranty claim, you must return the product, with proper receipt/proof of purchase and return transportation charges prepaid, to us (your dealer) or an Authorized Warranty Service Center. We will perform our obligations under this warranty within a reasonable time after approval of the warranty claim.

WARRANTY EXCLUSIONS

The following warranty exclusions apply:

1. Normal wear parts are not covered under this warranty. Normal wear parts include, for example, rubber o-rings, seals and driver blades.
2. This warranty does not cover parts damaged due to normal wear, misapplication, misuse, accidents, operation at other than recommended speeds, improper storage, or damage resulting during shipping.
3. **Products used in production/industrial applications are excluded from this warranty.**
4. Labor charges, maintenance, or loss, damage and repairs resulting from improper operation are not covered by this warranty.

GENERAL WARRANTY CONDITIONS

This warranty will be honored, only if:

1. Clean, dry, regulated compressed air has been used at air pressure not exceeding the maximum indicated on the tool casting;
2. No evidence of abuse, abnormal conditions, accident, neglect, misuse or improper modifications or storage of the product exists; and
3. No deviations from following recommended operating instructions, specifications, and maintenance schedules exist. (Read Operator Manual for use, specifications, and maintenance instructions).

This warranty is the only warranty for the product and we disclaim all other warranties. Any implied warranties will be limited in duration to the applicable warranty period specified above. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Your remedies are solely and exclusively as stated above. We shall in no event be liable for incidental, consequential, indirect or special damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. In no event, whether as a result of a breach of contract, warranty, tort (including negligence) or otherwise, shall our liability exceed the price of the product that has given rise to the claim or liability. Any liability connected with the use of this product shall terminate upon the expiration of the warranty period specified above. No employee or representative of any distributor or dealer is authorized to make any change or modification to this warranty.

This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.