Brad Nailer

Operating Instructions and Parts Manual

CHN70200

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For parts, product and service information

Visit: www.chpower.com

Call : Customer Service at 1-800-543-6400

Address any correspondence to: Campbell Hausfeld
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100 Production Drive
Harrison, OH 45030 U.S.A.

CAMPBELL HAUSFELD®

Brad Nailer

Description

This nailer is designed for decorative trim, molding, window casings, furniture trim and picture frame assembly. Features include: convenient side loading magazine which holds up to 100 nails, tethered no-mar tip, quick clear nose, an adjustable depth of drive mechanism, oil free, electronic low nail indicator, nail placement laser pointer, in-line magazine, bubble level, anti-dry fire, conversion trigger with safety lockout, rubber comfort grip, swivel plug, and rear exhaust.

Figure 1 - CHN70200 Brad Nailer

Specifications

Model CHN70200

Requires: 0.3 Avg SCFM using 10 fasteners per minute at 90 psi

Air Inlet: 1/4 inch NPT

Fastener Size Range: 18g Brad Nails - 5/8 inch to 2 inch

Magazine Capacity: 100 fasteners per load

Weight: 3 lbs., 4 oz.

Length: 11 inches

Height: 10 inches

Maximum Pressure: 100 psi

Pressure Range: 60 psi to 100 psi

Batteries: Two (2) AAA

Laser: Class IIIA

Wavelength: 640 nm - 660 nm

Radiant Power: 1.53 < 5 mW

Locate model number and date code on magazine and / or tool body. Record below:

Model #: _____

Date Code: _____

Retain these numbers for future reference.

Safety Guidelines

This manual contains information that is very important to know and understand. This information is provided for SAFETY and to PREVENT EQUIPMENT PROBLEMS. To help recognize this information, observe the following symbols.

⚠ DANGER ***Danger indicates an imminently hazardous situation which, if not avoided, WILL result in death or serious injury.***

⚠ WARNING ***Warning indicates a potentially hazardous situation which, if not avoided, COULD result in death or serious injury.***

⚠ CAUTION ***Caution indicates a potentially hazardous situation which, if not avoided, MAY result in minor or moderate injury.***

NOTICE ***Notice indicates important information, that if not followed, may cause damage to equipment.***

IMPORTANT: Information that requires special attention.

Safety Symbols

The following Safety Symbols appear throughout this manual to alert you to important safety hazards and precautions.


Wear Eye and Mask Protection


Read Manual First


Risk of Personal Injury


Risk of Falling


Wear Eye Protection


Wear Hearing Protection


Risk of Fire


Risk of Explosion


Risk of Shock

Important Safety Information

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

This manual contains important safety, operational and maintenance information. If you have any questions, please call 1-800-543-6400 for customer assistance.

⚠ WARNING ***When using tools, basic precautions should always be followed, including the following:***

CALIFORNIA PROPOSITION 65

⚠ WARNING ***This product or its power cord may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.***

⚠ WARNING ***You can create dust when you cut, sand, drill or grind materials such as wood, paint, metal, concrete, cement, or other masonry. This dust often contains chemicals known to cause cancer, birth defects, or other reproductive harm. Wear protective gear.***

GENERAL

a. **To reduce the risks of electric shock, fire, and injury to persons, read all the instructions before using the tool. Failure to follow warnings, dangers, and cautions could result in DEATH or SERIOUS INJURY.**

b. Be thoroughly familiar with the controls and the proper use of the equipment. Follow all instructions. Contact your Campbell Hausfeld representative if you have any questions.

c. Only persons well acquainted with these rules of safe operation should be allowed to use the unit.

⚠ WARNING ***Do not operate or allow anyone else to operate the nailer if any warnings or warning labels are not legible. Warnings or warning labels are located on the nailer magazine and body.***

⚠ WARNING ***Always assume the nailer contains nails. Respect the tool as a working implement; no horseplay. Always keep others at a safe distance from the work area in case of accidental discharge of nails. Do not point the tool toward yourself or anyone whether it contains fasteners or not. Accidental triggering of the nailer could result in death or serious personal injury.***

⚠ CAUTION ***Do not make any modifications to the tool without first obtaining written approval from Campbell Hausfeld. Do not use the nailer if any shields or guards are removed or altered. Do not use the nailer as a hammer. Personal injury or tool damage may occur.***

NOTICE ***Clean and check all air supply hoses and fittings before connecting the nailer to an air supply. Replace any damaged or worn hoses or fittings. Tool performance or durability may be reduced.***

WORK AREA

a. **Keep the work area clean and well lighted.** Cluttered benches and dark areas increase the risks of electric shock, fire, and injury to persons.

b. **Do not operate the tool in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** The tool is able to create sparks resulting in the ignition of the dust or fumes.

c. **Keep bystanders, children, and visitors away while operating the tool.** Distractions are able to result in the loss of control of the tool.

Important Safety Information (Continued)

PERSONAL SAFETY

a. **Stay alert. Watch what you are doing and use common sense when operating the tool. Do not use the tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating the tool increases the risk of injury to persons.

b. **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry, or long hair increases the risk of injury to persons as a result of being caught in moving parts.

c. **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the tool in unexpected situations.

d. **Use safety equipment.** A dust mask, non-skid safety shoes and a hard hat must be used for the applicable conditions.

⚠ WARNING ***Ensuring that the tool is used only when the operator and all other personnel in the work area are wearing ANSI Z87 eye protection equipment, and when required, other appropriate protection equipment such as head, hearing and foot protection equipment. Serious eye or permanent hearing loss could result.***

e. **Always wear hearing protection when using the tool.** Prolonged exposure to high intensity noise is able to cause hearing loss.

f. **Do not attach the hose or tool to your body.** Attach the hose to the structure to reduce the risk of loss of balance if the hose shifts.

g. **Always assume that the tool contains fasteners.** Do not point the tool toward yourself or anyone whether it contains fasteners or not.

⚠ WARNING ***Do not drop or throw the tool. Dropping or throwing the tool can result in damage that will make the tool unusable or unsafe. If the tool has been dropped or thrown, examine the tool closely for bent, cracked or broken parts and air leaks. STOP and repair before using or serious injury could occur.***

⚠ CAUTION ***Avoid long extended periods of work with the nailer. Stop using the nailer if you feel pain in hands or arms.***

⚠ CAUTION ***Hold tool by insulated gripping surface when performing an operation where the tool or fastener may contact hidden wiring. Contacting a "live" wire will make exposed metal parts of the tool "live" and shock the operator.***

⚠ DANGER ***This is a Class IIIA Laser Product that laser radiation***

h. **Never look directly into the laser beam or its direct reflection.** Lasers are harmful to the eyes.

i. **Do not set up the tool at eye level or operate the tool on or near a reflective surface.** The laser beam could be projected into your own or someone else's eyes.

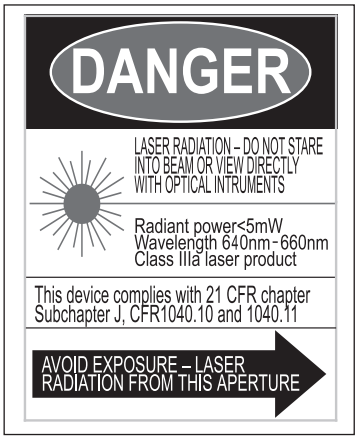

Figure 2

⚠ WARNING ***Never place hands or any other body parts in the nail discharge area of the nailer. The nailer might eject a fastener and could result in death or serious personal injury.***

ELECTRICAL SAFETY

⚠ WARNING ***Replace batteries only with same size batteries. Do not mix old and new batteries. Using wrong size batteries can create a risk of fire or injury.***

⚠ WARNING ***The front end of the tool may be made "live" if the tool comes into contact with live wiring in the wall. TO PREVENT ACCIDENTAL ELECTRICAL SHOCK, HOLD TOOL ONLY BY THE SOFT GRIP HANDLE.***

TOOL USE AND CARE

a. **Do not force the tool.** Use the correct tool for the application. The correct tool will do the job better and safer at the rate for which the tool is designed.

⚠ WARNING ***Disconnect the tool from the air source before making adjustments, doing tool maintenance, clearing jams, touching the safety yoke, leaving work area, loading, or unloading the tool. Such precautionary measures reduce the risk of injury to persons.***

b. **Store the tool when it is idle out of reach of children and other untrained persons**. A tool is dangerous in the hands of untrained users.

c. **Maintain the tool with care.** A properly maintained tool reduces the risk of problems and is easier to control.

d. **Use only those fasteners listed in the "Fastener Interchange Information" section on *page 12* of this manual.** Fasteners not identified for use with this tool by the tool manufacturer are able to result in a risk of injury to persons or tool damage when used in this tool.

Important Safety Information (Continued)

e. **Always work in a well-ventilated area. Wear OSHA-approved dust mask.**

⚠ WARNING ***Always disconnect the tool from the power source when unattended, performing any maintenance or repair, clearing a jam, loading, unloading , or moving the tool to a new location.***

⚠ WARNING ***Always fit tool with a fitting or hose coupling on or near the tool in such a manner that all compressed air in the tool is discharged at the time the fitting or hose coupling is disconnected. Do not use a check valve or any other fitting which allows air to remain in the nailer. Death or serious personal injury could occur.***

⚠ WARNING ***Never carry the nailer by the air hose or pull the hose to move the nailer or a compressor. Keep hoses away from heat, oil and sharp edges. Replace any hose that is damaged, weak or worn. Personal injury or tool damage could occur.***

⚠ WARNING ***Do not drive a nail on top of other nails. The nail could glance and cause death or a serious puncture wound.***

⚠ WARNING ***Do not use tool if laser guide power switch does not turn it on or off. Any tool that cannot be controlled with the switch is dangerous and must be repaired.***

f. **Ensure the laser guide power switch is in the off position before inserting batteries.** Inserting the batteries into the tool with the switch on invites accidents.

g. Turn laser guide Off before making any adjustments, changing accessories, or storing. Such preventive safety measures reduce the risk of accidents.

⚠ WARNING ***When batteries are not in use, keep them away from metal objects such as paper clips, coins, keys, nails, or screws that can make a connection from one terminal to another. Shorting the battery terminals together may cause sparks, burns, a fire, or damage to the batteries.***

h. **This tool must NOT be modified or used for any application other than that for which it was designed.**

i. Under abusive conditions, liquid may be ejected from the batteries. Avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, seek medical help. Liquid ejected from the batteries may cause irritation or burns.

⚠ CAUTION ***Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.***

j. The use of optical instruments with this product will increase eye hazard.

k. Turn off laser beam when it is not in use or when tool will be left unattended.

l. Do not remove any labels from the tool.

m. The product will emit a laser beam from the aperture. The users of the product shall be limited to professional operators. In normal operation and maintenance conditions, the operators shall wear protective eyewear to prevent injury to the eyes.

NOTICE ***Do not expose tool to extreme heat.***

n. Do not store in locations where the temperature may reach or exceed 120°F (49°C), such as a metal tool shed, or a car in the summer. This can lead to deterioration of the battery.

o. Do not disassemble tool.

p. Remove batteries when storing tool for an extended time.

NOTE: Battery temperature will increase during and shortly after use.

Only use new Alkaline replacement batteries [two (2) AAA required]. Do not mix old and new batteries.

Battery shelf life - the included batteries may be in a slightly depleted state or dead depending on how long the product has awaited purchase. Do not return product to store for depleted batteries; please call Campbell Hausfeld at 1-800-543-6400 for assistance.

q. Do not modify or alter the nailer or any nailer parts. Do not use the nailer if any shields or guards are removed or altered. Do not use the nailer as a hammer. Personal injury or tool damage may occur.

⚠ DANGER ***Do not use any type of flammable gases or oxygen as a power source for the nailer. Use filtered, lubricated, regulated compressed air only. Use of a compressed gas instead of compressed air may cause the nailer to explode which will cause death or serious personal injury.***

⚠ DANGER ***Never use gasoline or other flammable liquids to clean the nailer. Never use the nailer in the presence of flammable liquids or gases. Vapors could ignite by a spark and cause an explosion which will result in death or serious personal injury.***

r. Avoid using the nailer when the magazine is empty. Accelerated wear on the nailer may occur.

⚠ DANGER ***Do not modify or disable the Work Contact Element (WCE). Do not tie or tape the WCE or trigger in a depressed position. Death or serious personal injury could result.***

⚠ CAUTION ***Always check that the Work Contact Element (WCE) is operating properly. A nail could accidentally be driven if the WCE is not working properly. Personal injury may occur.***

⚠ DANGER ***Do not touch the trigger unless driving nails. Never attach air line to nailer or carry nailer while touching the trigger. The tool could eject a fastener which will result in death or serious personal injury.***

Important Safety Information (Continued)

SERVICE

a. **Tool service must be performed only by qualified repair personnel.**

b. **When servicing a tool, use only identical replacement parts. Use only authorized parts.**

c. **Use only the lubricants supplied with the tool or specified by the manufacturer.**

⚠ CAUTION ***Disconnect air supply and release tension from the pusher before attempting to clear jams because fasteners can be ejected from the front of the nailer. Personal injury may occur.***

AIR SOURCE

a. **Never connect to an air source that is capable of exceeding 200 psi.** Over pressurizing the tool is able to result in bursting, abnormal operation, breakage of the tool or serious injury to persons. Use only clean, dry, regulated compressed air at the rated pressure or within the rated pressure range as marked on the tool. Always verify prior to using the tool that the air source has been adjusted to the rated air pressure or within the rated air-pressure range.

b. **Never use oxygen, carbon dioxide, combustible gases or any bottled gas as an air source for the tool.** Such gases are capable of explosion and serious injury to persons.

NOTICE ***Air compressors providing air to the nailer should follow the requirements established by the American National Standards Institute Standard B19.3-1991; Safety Standard for Compressors for Process Industries. Contact your air compressor manufacturer for information.***

SAVE THESE INSTRUCTIONS
DO NOT DISCARD

The **DANGER**, **WARNING**, **CAUTION**, and **NOTICE** notifications and instructions in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Unpacking

After unpacking the unit, inspect carefully for any damage that may have occurred during transit. Check for loose, missing or damaged parts. Make sure to tighten fittings, bolts, etc., before putting unit into service. Check to be sure all supplied accessories are enclosed with the unit. In case of questions, damaged or missing parts, please call 1-800-543-6400 for customer assistance.

CONTENTS

- Brad Nailer
- 2 inch, 18 gauge fasteners
- Operating Instructions
- Warranty Card
- Carry Bag

ADDITIONAL ITEMS NOT INCLUDED

- Compressor (must be able to maintain a minimum of 60 psi when the nailer is being used)
- Air hose
- Small tool for clearing jams
- Threadlock glue
- ANSI Z87 eye protection
- Hearing protection and other personal protective equipment as required

Assembly

This tool comes fully assembled.

Glossary

Become familiar with these terms before operating the unit.

ACTUATE (TOOL) — To cause movement to the tool's component(s) intended to drive the fastener.

ACTUATION SYSTEM — The use of a trigger, work contact element (WCE) and/or other operating control, separately or in combination or sequence, to actuate the tool.

AIR INLET — The opening in which the compressed air supply is connected, usually by means of a threaded fitting.

FASTENERS — This nailer uses 18g Brad Nails ranging in size from 5/8 inch to 2 inch.

MAGAZINE — The part of the nailer that holds the Fasteners.

MAXIMUM AIR PRESSURE — The maximum allowable pressure of compressed air, as specified by the manufacture, for operating the tool.

NO-MAR TIP — The no-mar tip is designed to eliminate marks caused by the serrated Work Contact Element (WCE) (*see Figure 5*). The no-mar tip may be removed and tethered to the tool if not required (See REMOVING NO-MAR TIP) or when a slightly deeper countersink is preferred. Simply slide the no-mar off the WCE and attach to the storage post on the tool's electronic shroud.

psi (POUNDS PER SQUARE INCH) —Measurement of the pressure exerted by the force of the air. The actual psi output is measured by a pressure gauge on the compressor.

QUICK COUPLER — A quick coupler is designed to work in combination with a quick plug to quickly and easily join a pneumatic tool to an air hose (*see Figure 3*).

QUICK PLUG — A quick plug is designed to work in combination with a quick coupler to quickly and easily join a pneumatic tool to an air hose (*see Figure 4*).

REGULATOR — A device used to control air pressure to an air operated tool

THREAD LOCK GLUE — A locking glue that is applied to the screw threads before installing. Prevents the screws from working loose during tool operation.

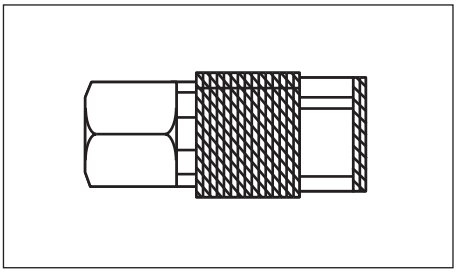

Figure 3 - Quick Coupler

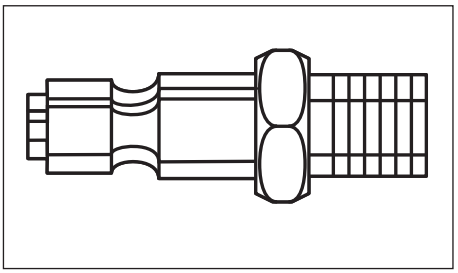

Figure 4 - Quick Plug

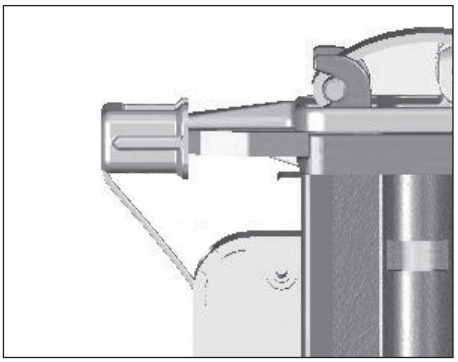

Figure 5

Getting To Know Your Brad Nailer Like A Pro

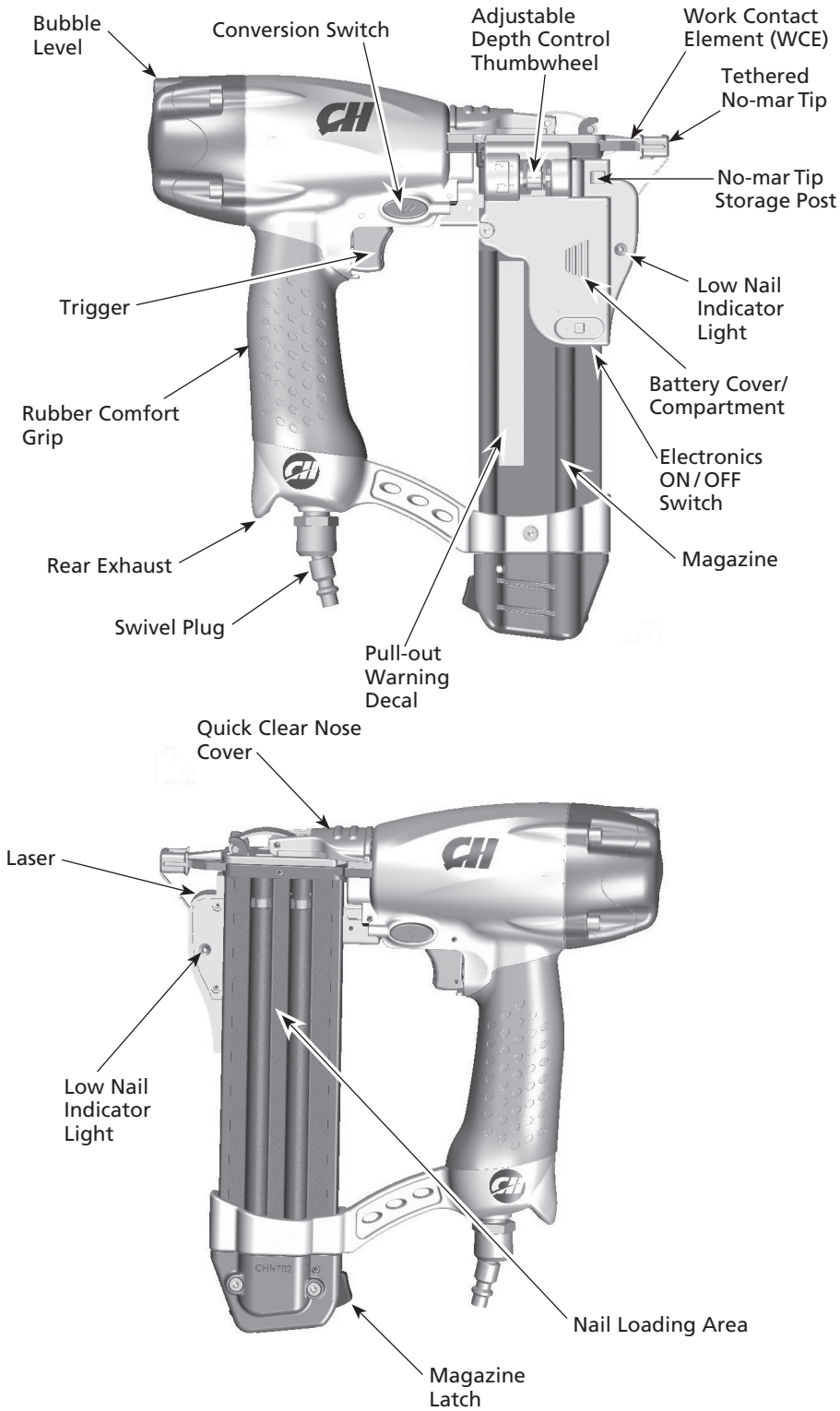

Figure 6 - Components of the Brad Nailer

Features

ANTI-DRY FIRE

This tool is equipped with an Anti-Dry Fire feature. This prevents the Work Contact Element (WCE) from being pushed in when only a few nails remain. Simply load new nail clip behind remaining nails to continue shooting.

TETHERED NO-MAR

The tool is fitted with a no-mar tip which is tethered to the tool to prevent loss when not mounted to tool. To utilize the no-mar tip, simply slide it over the tools WCE.

LOW NAIL INDICATOR LIGHTS

The tool is equipped with lights on either side of the tool near the nose. When the nail count becomes low, the lights will turn yellow. When the nail count is nearly out, the Anti-Dry Fire feature will engage and the lights will turn red. (See Loading the Nailer section).

NAIL PLACEMENT LASER POINTER

The tool is equipped with a laser mounted near the nose. This can be seen through the wide slots in the WCE and / or no-mar tip. The laser will indicate exact placement of the fastener.

⚠ DANGER ***This is a Class IIIA Laser Product that emits laser radiation. Do not stare into beam or view directly with optical instruments.***

BUBBLE LEVEL

The tool is equipped with a bubble level located on the head cap. This will assist in alighning the tool for level driving of the fastener. The bubble level will assist in vertical and horizontal positioning of the tool.

Set-Up

LUBRICATION

This nailer requires **NO** lubrication for normal operation. However, lubrication will **NOT** harm the tool.

NOTICE ***The work surface can become damaged by excessive lubrication.***

	60 psi Minimum
	100 psi Maximum

Chart 1

MINIMUM COMPONENTS REQUIRED FOR HOOK-UP

AIR COMPRESSOR: The air compressor must be able to maintain a minimum of 60 psi when the nailer is being used. An inadequate air supply can cause a loss of power and inconsistent driving (see Chart 1).

PRESSURE REGULATOR: A pressure regulator is required to control the operating pressure of the nailer between 60 psi and 100 psi.

AIR SUPPLY HOSE: ALWAYS use air supply hoses with a minimum working pressure rating equal to or greater than the pressure from the power source, or 150 psi, whichever is greater. Use 1/4 inch air hose for runs up to 50 feet. Use 3/8 inch air hoses for 50 ft. run or longer (*see Figure 7 and Chart 2*).

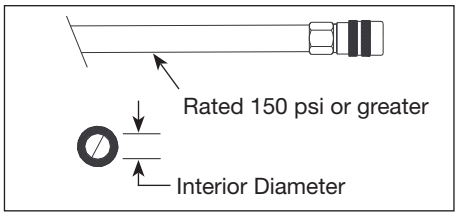

Figure 7 - Air Hose Requirements

AIR HOSE REQUIREMENTS	
DIAMETER	**LENGTH OF RUN**
1/4 inch	Less than 50 feet
3/8 inch	Greater than or equal to 50 feet

Chart 2

HOOK-UP INSTRUCTIONS FOR NAILER TO AIR SUPPLY

Figure 8 shows the recommended hookup for the nailer.

NOTE: *For better performance, install a 3/8 inch quick plug (1/4 inch NPT threads) with an inside diameter of 0.315 inch (8 mm) on the nailer and a 3/8 inch quick coupler on the air hose.*

1. With ON/OFF switch in OFF position, plug compressor into electrical outlet.
2. Close pressure regulator by turning all the way to the left. Turn compressor ON and let it pump all the way up to automatic shut-off pressure.
3. Attach air hose to regulator outlet. Adjust pressure regulator by turning to the right so that outlet pressure is between 60 psi to 100 psi.
4. Load fasteners into nailer (See Loading/Unloading the Nailer section on page 11).
5. Point the nailer in a safe direction while attaching to air hose.
6. Nailer is ready for use. You may need to adjust outlet pressure to achieve proper fastener depth.

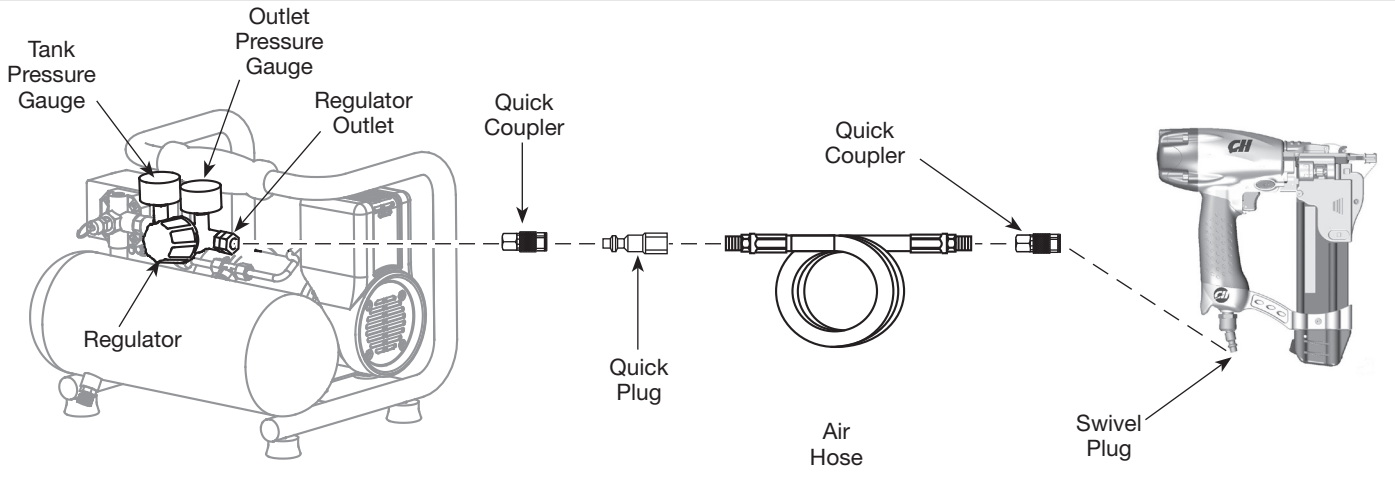

Figure 8 - Recommended Hookup

Set-Up (Continued)

LOADING / UNLOADING THE NAILER

Always **disconnect** the tool from the air supply **before** loading / unloading fasteners. Choose which type of fastener you want to use for you project. Additional fasteners can be found at major home centers.

Loading the Nailer

1. Press down on latch and pull back on the magazine cover.
2. Insert a stick of Campbell Hausfeld nails or equivalent (see "Fasteners" section) into the magazine. Make sure the pointed ends of the nails are resting on the bottom ledge of the magazine when loading. Make sure the nails are not dirty or damaged.
3. Push the magazine cover forward until the latch catches.

Unloading the Nailer

1. Press down on latch and pull back on the magazine cover.
2. Remove nails.
3. Push the magazine cover forward until the latch catches.

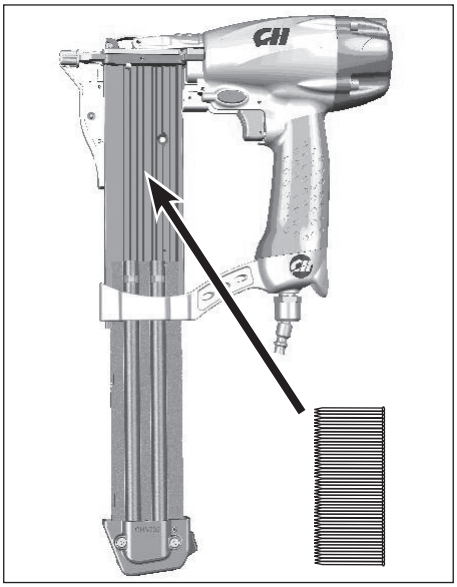

Figure 9 - Loading the Nailer

ADJUSTING THE NAIL PENETRATION

The CHN70200 is equipped with an adjustable depth of drive feature. This allows the user to determine how deep a fastener will be driven into the work surface.

1. Adjust the operating pressure to a pressure which will consistently drive the fasteners. Do not exceed the maximum operating pressure of 100 psi.
2. To drive the nail shallower, turn the wheel to left to the extent desired.
3. To sink a nail deeper, turn the wheel to right to the extent desired.
4. Make sure trigger and work contact element (WCE) move freely up and down without binding or sticking after each adjustment.

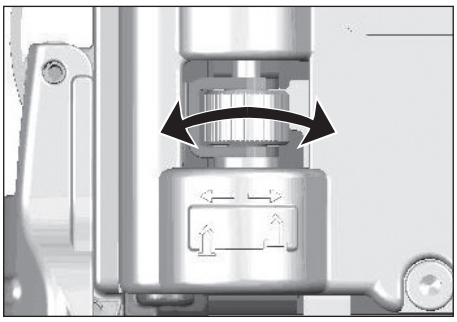

Figure 10 - Nail Depth Adjust

INSTALLING NO-MAR TIP

1. Disconnect air supply from nailer.
2. Remove no-mar tip from the storage post.
3. Carefully place no-mar tip over the end of work contact element.
4. Check that the WCE and trigger move up and down freely without sticking or binding.

REMOVING NO-MAR TIP

1. Disconnect air supply from nailer.
2. Pry no-mar tip away from the work contact element.
3. Replace no-mar tip onto the storage post for future use.

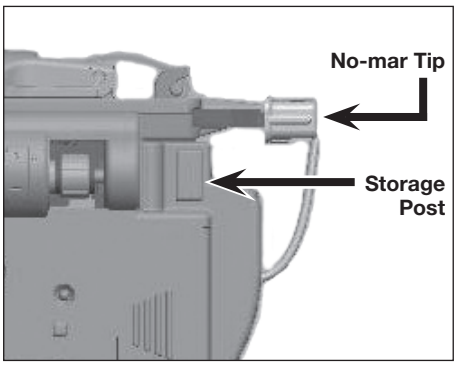

Figure 11 - No-mar Tip

Pre-Operation

OPERATIONAL MODES

⚠ WARNING ***Always know the operational mode of the nailer before using. Failure to know the operational mode could result in death or serious injury.***

This nailer may be operated in the "Sequential" mode (as supplied by the manufacturer) or "Bump" mode. the tool may be converted from one mode to the other by firmly pressing the conversion switch from one position to the other.

Press the conversion switch to the "  " side to activate Sequential Mode.

Press the conversion switch to the "  " side to activate Bump Mode.

Press either side to the middle position to activate the Safety Lockout Mode.

Sequential Mode

This method is recommended when precise nail placement is required. Operation in this mode requires trigger to be pulled each time a nail is driven. Nailer can be actuated by depressing the Work Contact Element (WCE) against work surface followed by pulling the trigger.

The trigger must be released after each fastener is driven to allow tool to reset.

Since the tool can only be actuated by first removing the finger from the trigger, this is considered to be a more restrictive mode of operation, suitable for less experienced users.

Bump Mode

This method is recommended when less precise nail placement is required. Operation in this mode requires trigger to be depressed with nailer off of the work surface. Then, the nose of the nailer is tapped against the work surface causing a nail to be driven.

Each time the Work Contact Element is depressed, a nail is driven into the work surface. Extreme care should be taken because a nail will be driven when the WCE is pressed against any surface.

Since the tool can be actuated without removing the finger from the trigger, this is considered to be a less restrictive mode, suitable for more experienced users.

Safety Lockout Mode

When the conversion switch is pressed into the middle position, the trigger is in Safety Lockout Mode. In this mode, no combination of WCE and trigger activations will allow the tool to cycle or fire. If tool does operate while in Safety Lockout Mode, contact Campbell Hausfeld for technical support, and do not use the nailer until repaired.

WORK CONTACT ELEMENT (WCE)

⚠ CAUTION ***Check the operation of the Work Contact Element (WCE) trip mechanism before each use. The WCE must move freely without binding through its entire travel distance. The WCE spring must return the WCE to its fully extended position after being depressed. Do not operate the nailer if the WCE trip mechanism is not operating properly. Personal injury may occur.***

1. Disconnect the air supply from the nailer.
2. Make sure the trigger and Work Contact Element (WCE) move freely up and down without sticking or binding.

NOTE: If the tool is not loaded with nails, the anti-dry fire feature will not allow the WCE to be depressed.

3. Reconnect air supply to the nailer.
4. Use a scrap piece of wood as a work surface.

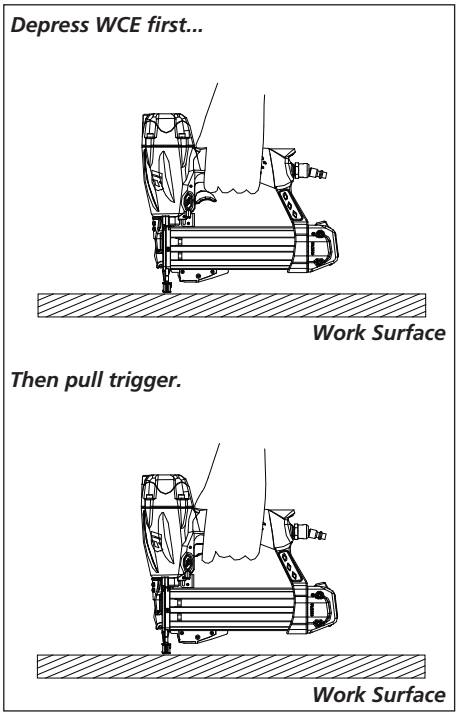

Figure 14 - Sequential Mode

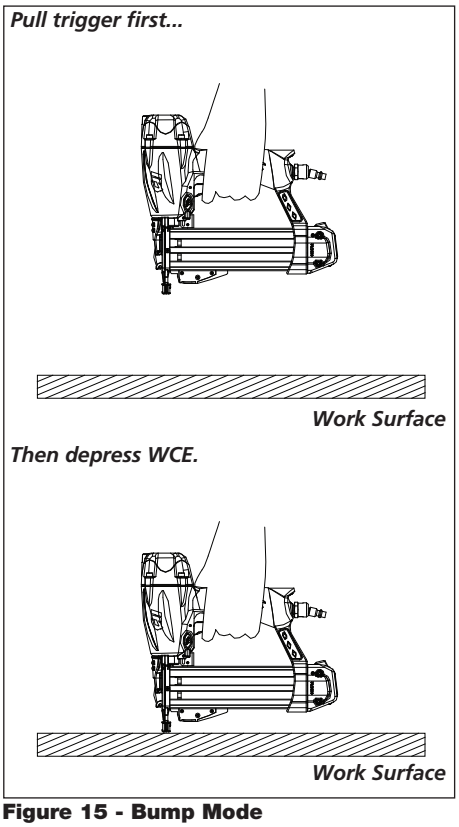

Figure 15 - Bump Mode

Pre-Operation (Continued)

5. Depress the WCE against the work surface without pulling the trigger (See Figure 16). The nailer **MUST NOT OPERATE**. Do not use the tool if it operates without pulling the trigger. Personal injury may result.
6. Remove nailer from work surface. The WCE must return to its original down position. Pull the trigger (See Figure 17). The nailer **MUST NOT OPERATE**. Do not use the tool if it operates while lifted from the work surface. Personal injury may result.
7. Pull the trigger and depress the WCE against the work surface. The nailer **MUST OPERATE** when in bump mode. The nailer **MUST NOT OPERATE** if in sequential mode.
8. Depress the WCE against work surface. Pull the trigger. The nailer **MUST OPERATE**.
9. Switch nailer into the other Mode as described in Operational Modes section and repeat.

IMPORTANT: Repeat steps one through nine with tool in Safety Lockout Mode. Tool **SHOULD NOT** operate at any step. If tool does operate while in Safety Lockout Mode, contact Campbell Hausfeld for technical support.

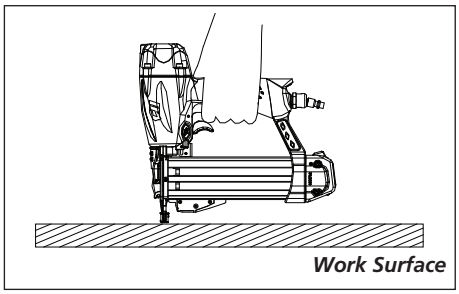

Figure 16

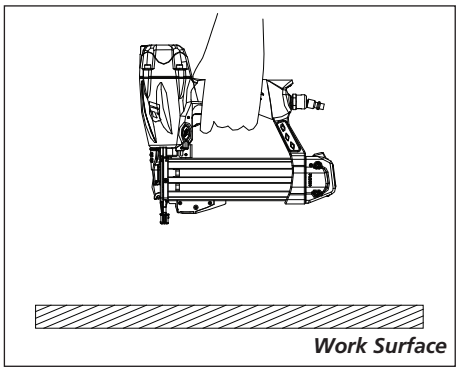

Figure 17

ELECTRONICS ON / OFF SWITCH

Located on the battery compartment is an ON/ OFF for the tool's electronic functions, low nail indicator LEDs, and nail placement laser.

To utilize the function, turn the battery switch to the "ON" position. To avoid unwanted battery depletion during storage, turn the switch to the "OFF" position.

Figure 18 - Electronic ON/OFF Switch

Operation

NAIL PLACEMENT LASER POINTER

The tool is equipped with a laser mounted near the nose. Turn the electronics switch to the **ON** position. When the Work Contact Element (WCE) touches the workpiece and slightly moves, the laser will shine on the spot where the nail will be driven. This can be seen through the wide slots in the WCE and / or no-mar tip. When the laser is in the desired location, simply fully press in the WCE and fire the tool.

⚠ DANGER ***This is a Class IIIA Laser Product that emits laser radiation. Do not stare into beam or view directly with optical instruments.***

NOTE: The laser will only show accurate placement when the depth control is set to maximum depth.

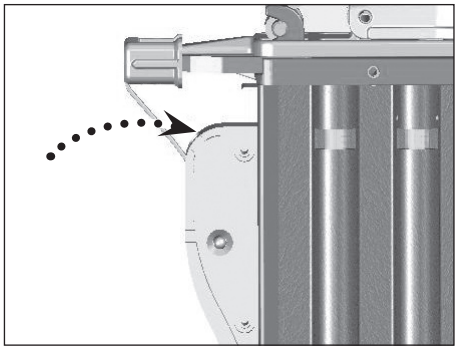

Figure 19 - Nail Placement Laser Pointer

FIRING THE NAILER

1. Load fasteners (see Loading / Unloading the Nailer section).
2. Connect the air supply to the nailer.

⚠ WARNING ***An improperly functioning tool must not be used. Do not actuate the tool unless the tool is placed firmly against the work piece.***

In Sequential Mode

Press the conversion switch to the "  " side to activate Sequential Mode.

1. Slightly depress Work Contact element (WCE) against work surface.
2. Laser pointer will shine on spot where nail will be driven when the WCE slightly touches the work surface.
3. Fully depress WCE.
4. Pull trigger. Fastener will be driven into workpiece.

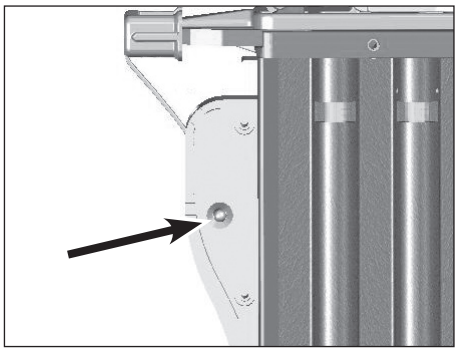

Figure 20 - Low Nail Indicator Lights

In Bump Mode (Laser should not be used in Bump Mode)

Press the conversion switch to the "  " side to activate Bump Mode.

1. Remove tool from work surface. **DO NOT** point tool at yourself or others.
2. Pull trigger.
3. Firmly depress Work Contact element (WCE) against work surface. Tool will cycle.
4. Remove tool from work surface. Move tool to the next area where fastener is to be driven and repeat.

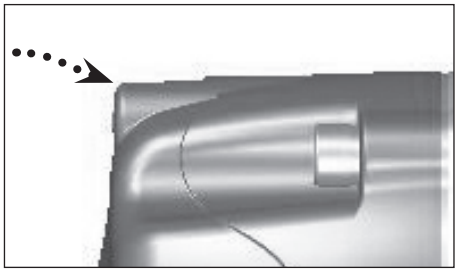

Figure 21 - Bubble Level

LOW NAIL INDICATOR LIGHTS

The tool is equipped with lights on either side of the tool near the nose. Turn the electronics switch to the **ON** position. When the nail count becomes 10 or so nails remaining in the magazine, the lights will come on yellow. You may reload at that time (See Loading the Nailer section). When the nail count becomes 5 or so remaining nails, the Anti-Dry Fire will engage and the lights will turn red. You **MUST** reload at that time.

BUBBLE LEVEL

The tool is equipped with a bubble level located on the head cap. When the gun is in a horizontal driving orientation, a level condition can easily be observed and controlled by simply aligning the tool in such a manner whereas the bubble is between the center markings on the length of the level. The same is true when in a vertically downward driving orientation by aligning the tool such that the bubble is centered in the circular marking at the top of the level.

Storage

The nailer should be stored in a cool dry location.

Maintenance

CLEARING A JAM FROM THE NAILER

1. Disconnect nailer from air supply.
2. Remove all nails from the magazine (see Loading/ Unloading). Failure to do so may cause the nails to eject from the front of the nailer.
3. Undo latch by pulling cover in the direction shown.
4. The door can now be rotated, exposing the jammed fastener.
5. Remove the jammed fastener, using pliers or a screwdriver if required.
6 Rotate door back into the closed position.
7. Extend the latch and place over the hooks on the nose.
8. Close the latch by pushing the latch up and in until the latch snaps into place.
9. Load with nails.
10. Make sure the trigger and work contact element (WCE) move freely up and down without sticking or binding.

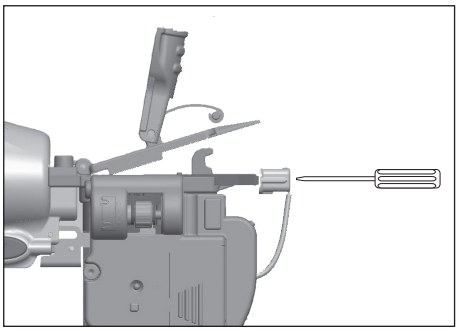

Figure 22

NAILER REPAIR

Only qualified personnel should repair the tool and they should use genuine Campbell Hausfeld replacement parts and accessories, or parts and accessories which perform equivalently.

REPLACEMENT PARTS

⚠ WARNING ***Use only genuine Campbell Hausfeld service parts. Tool performance, safety and durability could be reduced if improper parts are used. When ordering replacement parts, specify by part number.***

BATTERY REPLACEMENT

⚠ WARNING ***Always disconnect the tool from the power source when unattended, performing any maintenance or repair, clearing a jam, loading, unloading , or moving the tool to a new location.***

The electronics on the tool (low nail indicator lights and nail placement laser pointer) run off of two (2) AAA batteries located in the compartment on the back of the magazine. When the batteries' power is running low and they need to be replaced, the electronic functions may not work properly or at all. Disconnect the tool from air source and remove the battery compartment cover by pulling out. Insert two (2) new batteries in the proper orientation. Do not mix old and new batteries. Close cover.

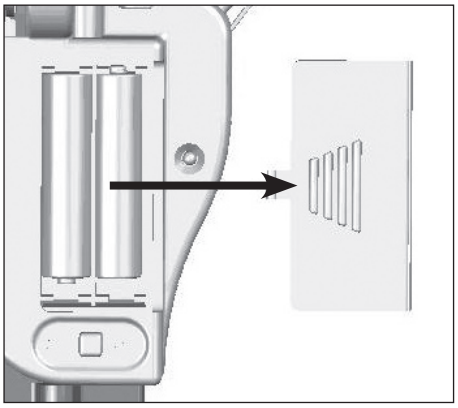

Figure 23 - Battery Replacement

ASSEMBLY PROCEDURE FOR SEALS

When repairing a nailer, the internal parts must be cleaned and lubricated. Parker O-lube or equivalent must be used on all o-rings. Each o-ring must be coated with O-lube before assembling. A small amount of oil must be used on all moving surfaces and pivots.

Maintenance (Continued)

TECHNICAL SERVICE

For information regarding the operation or repair of this product, please call 1-800-543-6400.

FASTENER INTERCHANGE INFORMATION

Fasteners used in the Campbell Hausfeld CHN70200 Brad Nailer will also work in the following brand units:

- Bostitch T31-1, T29-30, BT-35, BT50
- Duofast BB4440
- Hitachi NT45A
- Paslode 2138-F40
- Porter Cable BN125, BN200
- Sears 18409, 18424
- Senco SLP20, LS2, LS5.

FASTENERS

The following Campbell Hausfeld brad nails are available at local retail stores. For help locating any item, call customer service at 1-800-543-6400. Campbell Hausfeld nails meet or exceed ASTM Standard F1667.

Model #	Length	Shank Gauge	Finish	Head	Collation	Nails Per Stick	Nails Per Box
FB180016AV	5/8 inch	18 Gauge	Galvanized	Brad /Brown	Adhesive	100	1000
FB180025AV	1 inch	18 Gauge	Galvanized	Brad /Brown	Adhesive	100	1000
FB180030AV	1-1/4 inch	18 Gauge	Galvanized	Brad /Brown	Adhesive	100	1000
FB180040AV	1-1/2 inch	18 Gauge	Galvanized	Brad /Brown	Adhesive	100	1000
FB180050AV	2 inch	18 Gauge	Galvanized	Brad /Brown	Adhesive	100	1000

Troubleshooting Guide

⚠ WARNING ***Stop using nailer immediately if any of the following problems occur. Serious personal injury could result. Any repairs or replacements must be done by a Qualified Service Person or Authorized Service Center.***

SYMPTOM	CAUSE	SOLUTION
Air leaking at trigger valve	O-rings in trigger valve housing are damaged	Replace O-rings. Check operation of Work Contact Element (WCE)
Air leaking between housing and nose	1. Damaged O-rings and / or seals 2. Damage to bumper	1. Replace O-rings and / or seals 2. Replace bumper
Air leaking between housing and cap	1. Loose screws 2. Damaged gasket	1. Tighten screws 2. Replace gasket
Nailer skips driving nail	1. Worn bumper 2. Dirt in nose piece 3. Dirt or damage prevent nails or pusher from moving freely in magazine 4. Damaged pusher spring 5. Inadequate air flow to nailer 6. Worn O-ring on piston or lack of lubrication 7. Damaged O-ring on trigger valve 8. Air leaks	1. Replace bumper 2. Clean drive channel 3. Clean magazine 4. Replace spring 5. Check fitting, hose, or compressor 6. Replace piston seals 7. Replace O-rings 8. Tighten screws and fitings
Nailer runs slow or has loss of power	1. Nailer not lubricated sufficiently 2. Broken spring in cylinder cap 3. Exhaust port in cap is blocked	1. Lubricate nailer 2. Replace spring 3. Replace damaged internal parts
Nails are jammed in nailer	1. Guide on driver is worn 2. Nails are not correct type 3. Nails are bent 4. Magazine or nose screws are loose 5. Driver is damaged 6. Nails loaded incorrectly	1. Replace guide 2. Use only recommended nails 3. Replace with undamaged nails 4. Tighten screws 5. Replace driver 6. Review Loading / Unloading section of manual
Laser and / or low nail indicators not working	1. System power switch not turned on 2. Batteries need to be replaced 3. Components not properly replaced during re-assembly after customer maintenance 4. Laser won't come on because WCE not slightly depessed	1. Turn switch on 2. Replace batteries (see "Changing batteries" section) 3. Review parts view for assistance in proper re-assembly 4. Depress WCE to work surface

For Replacement Parts or Technical Assistance, Call 1-800-543-6400

Please provide following information:
- Model number
- Serial number (if any)
- Part description and number as shown in parts list

Address any correspondence to:
Campbell Hausfeld
Attn: Customer Service
100 Production Drive
Harrison, OH 45030 U.S.A.

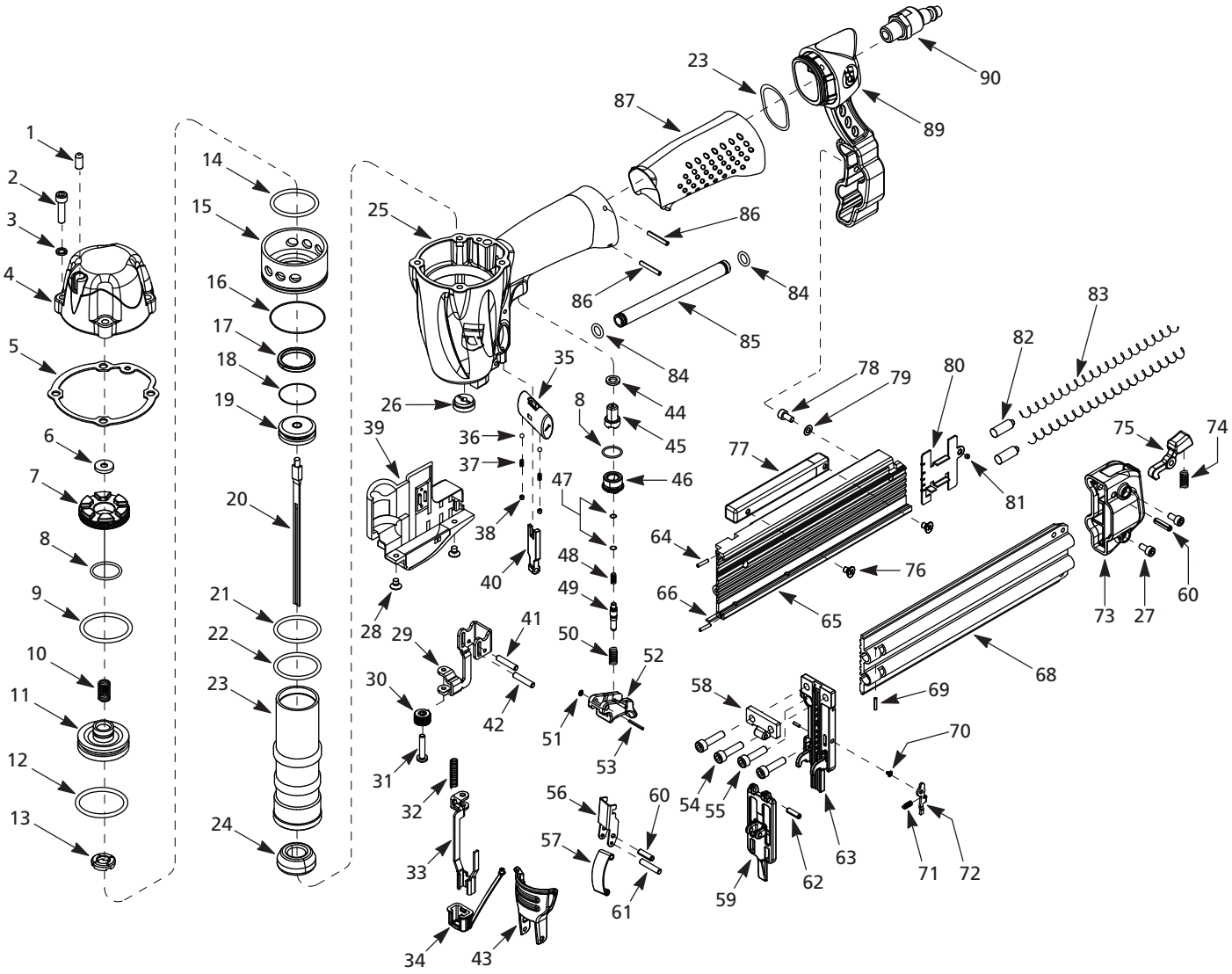

Figure 24 – Repair Parts Illustration for Air Powered Brad Nailer, model CHN70200AV

Replacement Parts List for Brad Nailer

Ref. No.	Description	Part No.	Qty.
1	Bubble Level	▲	1
2	Socket Head Cap Screw	✳	4
3	Washer	✳	4
4	Head Cap	—	1
5	Gasket	■ ●	1
6	Seal	■ ●	1
7	Upper Head Valve Bumper	■	1
8	O-Ring	■ ● ▽	2
9	O-Ring	■ ●	1
10	Spring	■	1
11	Head Valve	—	1
12	O-Ring	■ ●	1
13	Lower Head Valve Bumper	■ ●	1
14	O-Ring	■ ●	1
15	Collar	◆	1
16	O-Ring	● ◆	1
17	Spacer	● ▼	1
18	O-Ring	● ▼	1
19	Piston	▼	1
20	Driver Blade	▼	1
21	O-Ring	● ◆	1
22	O-Ring	● ◆	1
23	Cylinder	—	1
24	Bumper	◆	1
25	Body	—	1
26	Nozzle	●	1
27	Socket Head Cap Screw	π	2
28	Screw	★	2
29	Upper Work Contact Element	◇	1
30	Thumb Wheel	—	1
31	Pin	—	1
32	Spring	△	1
33	Lower Work Contact Element	△	1
34	No Mar Tip	□	1
35	Trigger Mode Selector Switch	○	1
36	Ball Bearing	○	2
37	Spring	○	2
38	Set Screw	○	2
39	Electronics Cover	★	1
40	Trigger Select Aperture	◇	1
41	Roll Pin for Trigger Select Aperture	◇	1
42	Roll Pin	◇	1
43	Quick Clear Nose Cover	‡	1
44	Seal	● ▽	1
45	Upper Valve Body	—	1
46	Lower Valve Body	—	1
47	O-Ring	● ▽	2
48	Trigger Valve Spring	▽	1
49	Trigger Valve Stem	▽	1
50	Trigger Spring	☆	1
51	Retaining O-Ring	● ☆	1
52	Trigger	☆	1
53	Spring Pin	☆	1
54	Socket Head Cap Screw	✳	2
55	Socket Head Cap Screw	✳	2
56	Quick Clear Nose Latch	‡	1
57	Spring Steel	‡	1
58	Plate	—	1
59	Quick Clear Nose Door	—	1
60	Spring Pin	‡ π	2
61	Roll Pin	‡	1
62	Spring Pin	✳	1
63	Drive Guide	—	1
64	Roll Pin	✳	2
65	Magazine	—	1
66	Rail	—	1
67	Roll Pin	✳	1
68	Magazine Door	—	1
69	Spring Pin	✳	1
70	Bearing	ß	1
71	Spring	ß	1
72	Cantilever	ß	1
73	Magazine End Cap	π	1
74	Spring	π	1
75	Thumb Latch	π	1
76	Screw	Ω	2
77	Recoil Decal Housing	Ω	1
78	Socket Head Cap Screw	✳	1
79	Washer	✳	1
80	Pusher	✖	1
81	Magnet	✖	1
82	Spring Seat	✖	2
83	Spring	✖	2
84	O-Ring	● †	2
85	Rear Exhaust Air Tube	†	1
86	Spring Pin	✳	2
87	Grip	—	1
88	Gasket	●	1
89	End Cap Magazine Bracket	—	1
90	1/4-18 NPT Swivel Plug	SV567600AV	1

REPLACEMENT PARTS KITS

▲	Bubble Level Kit	SKN13600AV
■	Head Valve Repair Kit	SKN13700AV
●	Complete O-Ring Kit	SKN13800AV
◆	Cylinder Repair Kit	SKN13900AV
▼	Driver Assembly Kit	SKN14000AV
★	Electronics Module Kit	SKN14100AV
△	Lower WCE Kit	SKN14200AV
□	No-Mar Tip Kit	SKN14300AV
○	Conversion Trigger Switch Kit	SKN14400AV
◇	Upper WCE Kit	SKN14500AV
▽	Trigger Valve Repair Kit	SKN14600AV
☆	Trigger Assembly Kit	SKN14700AV
‡	Quick Clear Nose Repair Kit	SKN14800AV
ß	ADF Repair Kit	SKN14900AV
π	Magazine Latch Assembly Kit	SKN15000AV
Ω	Warning Decal Kit	SKN15100AV
✖	Pusher Assembly Kit	SKN15200AV
†	Rear Exhaust Repair Kit	SKN15300AV
—	Not Available	
✳	Standard hardware item - available at your local hardware store	

Reminder: *Keep your dated proof of purchase for warranty purposes! Attach it to this manual or file it for safekeeping.*

Warranty

1. DURATION: From the date of purchase by the original purchaser as follows: Standard Duty Products - One Year, Serious Duty Products - Two Years, Extreme Duty Products - Three Years.
2. WHO GIVES THIS WARRANTY (WARRANTOR): Campbell Hausfeld / Scott Fetzer Company, 100 Production Drive, Harrison, Ohio, 45030, Telephone: (800) 543-6400
3. WHO RECEIVES THIS WARRANTY (PURCHASER): The original purchaser (other than for purposes of resale) of the Campbell Hausfeld product.
4. WHAT PRODUCTS ARE COVERED BY THIS WARRANTY: Any Campbell Hausfeld nailer, stapler, air tool, spray gun, inflator or air accessory supplied or manufactured by Warrantor.
5. WHAT IS COVERED UNDER THIS WARRANTY: Substantial defects in material and workmanship which occur within the duration of the warranty period.
6. WHAT IS NOT COVERED UNDER THIS WARRANTY:
   A. Implied warranties, including those of merchantability and FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED FROM THE DATE OF ORIGINAL PURCHASE AS STATED IN THE DURATION. If this product is used for commercial, industrial or rental purposes, the warranty will apply for ninety (90) days from the date of purchase. Some States do not allow limitation on how long an implied warranty lasts, so the above limitations may not apply to you.
   B. ANY INCIDENTAL, INDIRECT, OR CONSEQUENTIAL LOSS, DAMAGE, OR EXPENSE THAT MAY RESULT FROM ANY DEFECT, FAILURE, OR MALFUNCTION OF THE CAMPBELL HAUSFELD PRODUCT. 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.
   C. Any failure that results from an accident, purchaser's abuse, neglect or failure to operate products in accordance with instructions provided in the owner's manual(s) supplied with product. Accident, purchaser's abuse, neglect or failure to operate products in accordance with instructions shall also include the removal or alteration of any safety devices. If such safety devices are removed or altered, this warranty is void.
   D. Normal adjustments which are explained in the owner's manual(s) provided with the product.
   E. Items or service that are normally required to maintain the product, i.e. o-rings, springs, bumpers, debris shields, driver blades, fuses, batteries, gaskets, packings or seals, fluid nozzles, needles, sandblast nozzles, lubricants, material hoses, filter elements, motor vanes, abrasives, blades, cut-off wheels, chisels, chisel retainers, cutters, collets, chucks, rivet jaws, screw driver bits, sanding pads, back-up pads, impact mechanism, or any other expendable part not specifically listed. These items will only be covered for ninety (90) days from date of original purchase. Underlined items are warranted for defects in material and workmanship only.
7. RESPONSIBILITIES OF WARRANTOR UNDER THIS WARRANTY: Repair or replace, at Warrantor's option, products or components which are defective, have malfunctioned and/or failed to conform within duration of the warranty period.
8. RESPONSIBILITIES OF PURCHASER UNDER THIS WARRANTY:
   A. Provide dated proof of purchase and maintenance records.
   B. Deliver or ship the Campbell Hausfeld product or component to the nearest Campbell Hausfeld Authorized Service Center. Freight costs, if any, must be borne by the purchaser.
   C. Use reasonable care in the operation and maintenance of the products as described in the owner's manual(s).
9. WHEN WARRANTOR WILL PERFORM REPAIR OR REPLACEMENT UNDER THIS WARRANTY: Repair or replacement will be scheduled and serviced according to the normal work flow at the servicing location, and depending on the availability of replacement parts.

This Limited Warranty applies in the United States, Canada and Mexico only and gives you specific legal rights. You may also have other rights which vary from state to state or country to country.