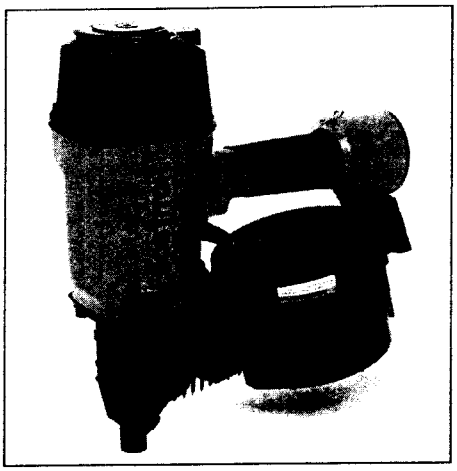
0213300L. #254

BOSTITCH

N80CB

COIL-FED PNEUMATIC NAILERS
CLAVADORAS NEUMÁTICAS ALIMENTADAS POR ROLLO
CLOUEURS PNEUMATIQUES À ENROULEMENT



OPERATION and MAINTENANCE MANUAL
MANUAL DE OPERACIÓN y DE MANTENIMIENTO
MANUEL D'INSTRUCTIONS et D'ENTRETIEN

⚠WARNING: **⚠ADVERTENCIA:** **⚠ATTENTION:**

BEFORE OPERATING THIS TOOL, ALL OPERATORS SHOULD STUDY THIS MANUAL, TO UNDERSTAND AND FOLLOW THE SAFETY WARNINGS AND INSTRUCTIONS. KEEP THESE INSTRUCTIONS WITH THE TOOL FOR FUTURE REFERENCE. IF YOU HAVE ANY QUESTIONS, CONTACT YOUR BOSTITCH REPRESENTATIVE OR DISTRIBUTOR.

ANTES DE OPERAR ESTA HERRAMIENTA, TODOS LOS OPERADORES DEBERÁN ESTUDIAR ESTE MANUAL PARA PODER COMPRENDER Y SEGUIR LAS ADVERTENCIAS SOBRE SEGURIDAD Y LAS INSTRUCCIONES. MANTENGA ESTAS INSTRUCCIONES CON LA HERRAMIENTA PARA FUTURA REFERENCIA. SI TIENE ALGUNA DUDA, COMUNÍQUESE CON SU REPRESENTANTE DE BOSTITCH O CON SU DISTRIBUIDOR.

LIRE ATTENTIVEMENT LE PRÉSENT MANUEL AVANT D'UTILISER L'APPAREIL. PRÊTER UNE ATTENTION TOUTE PARTICULIÈRE AUX CONSIGNES DE SÉCURITÉ ET AUX AVERTISSEMENTS. GARDER CE MANUEL AVEC L'OUTIL POUR FUTURE RÉFÉRENCE. SI VOUS AVEZ DES QUESTIONS, CONTACTEZ VOTRE REPRÉSENTANT OU VOTRE CONCESSIONNAIRE BOSTITCH.

102775 REV H 1/03

BOSTITCH
Stanley Fastening Systems

TROUBLE SHOOTING

PROBLEM	CAUSE	CORRECTION
Trigger valve housing leaks air	O-ring cut or cracked	Replace O-ring
Trigger valve stem leaks air	O-ring/seals cut or cracked	Replace trigger valve assembly
Frame/nose leaks air	Loose nose screws	Tighten and recheck
	O-ring or Gasket is cut or cracked	Replace O-ring or gasket
	Bumper cracked/worn	Replace bumper
Frame/cap leaks air	Damaged gasket or seal	Replace gasket or seal
	Cracked/worn head valve bumper	Replace bumper
	Loose cap screws	Tighten and recheck
Failure to cycle	Air supply restriction	Check air supply equipment
	Tool dry, lack of lubrication	Use BOSTITCH Air Tool Lubricant
	Worn head valve O-rings	Replace O-rings
	Broken cylinder cap spring	Replace cylinder cap spring
	Head valve stuck in cap	Disassemble/Check/Lubricate
Lack of power; slow to cycle	Tool dry, lacks lubrication	Use BOSTITCH Air Tool Lubricant
	Broken cylinder cap spring	Replace cap spring
	O-rings/seals cut or cracked	Replace O-rings/seals
	Exhaust blocked	Check bumper, head valve spring, muffler
	Trigger assembly worn/leaks	Replace trigger assembly
	Dirt/tar build up on driver	Disassemble nose/driver to clean
	Cylinder sleeve not seated correctly on bottom bumper	Disassemble to correct
	Head valve dry	Disassemble/lubricate
	Air pressure too low	Check air supply equipment
Skipping fasteners; intermittent feed	Worn bumper	Replace bumper
	Tar/dirt in driver channel	Disassemble and clean nose and driver
	Air restriction/inadequate air flow through quick disconnect socket and plug	Replace quick disconnect fittings
	Worn piston O-ring	Replace O-ring, check driver
	Tool dry, lacks lubrication	Use BOSTITCH Air Tool Lubricant
	Damaged pusher spring	Replace spring
	Low air pressure	Check air supply system to tool
	Loose magazine nose screws	Tighten all screws
	Fasteners too short for tool	Use only recommended fasteners
	Bent fasteners	Discontinue using these fasteners
	Wrong size fasteners	Use only recommended fasteners
	Leaking head cap gasket	Tighten screws/replace gasket
	Trigger valve O-ring cut/worn	Replace O-ring
	Broken/chipped driver	Replace driver (check piston O-ring)
	Dry/dirty magazine	Clean/lubricate use BOSTITCH Air Tool Lubricant
	Worn magazine	Replace magazine
Fasteners jam in tool	Driver channel worn	Replace nose/check door
	Wrong size fasteners	Use only recommended fasteners
	Bent fasteners	Discontinue using these fasteners
	Loose magazine/nose screws	Tighten all screws
	Broken/chipped driver	Replace driver

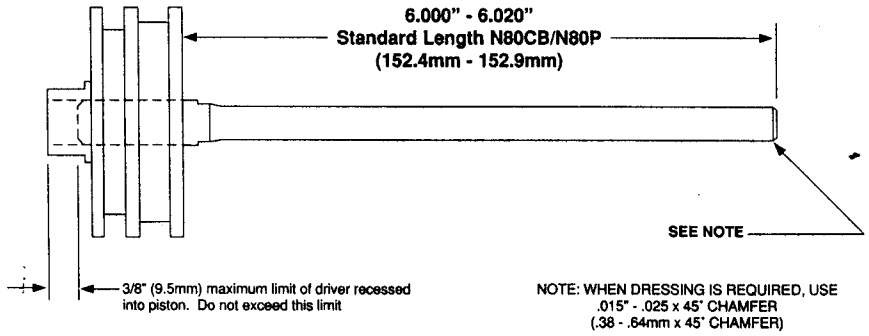
COIL NAILERS

Skipping fasteners; intermittent feed	Feed piston dry	Add BOSTITCH Air Tool Lubricant in hole in feed piston cover
	Feed piston O-rings cracked/worn	Replace O-rings/check bumper and spring. Lubricate assembly.
	Check Pawl binding	Inspect Pawl and spring on door. Must work freely.
	Canister bottom not set correctly	Set canister bottom for length of nails being used
Fasteners jam in tool/canister	Broken weld wires in nail coil	Remove coil of nails and use another coil
	Wrong size fasteners for tool	Use only recommended fasteners/check canisterbottom adjustment
	Broken welded wires in nail coil	Remove coil of nails and use another coil
	Wrong slide plate adjustment for wire/plastic collated nail coil	Adjust switch pins for wire/plastic collated nail coil

N80CB 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 redressings will be possible before this maximum depth is reached.

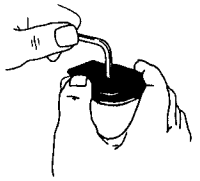


NOTE: Driver wear of approximately 1/8" (3mm) can be tolerated in most applications. However, in difficult driving applications, driver wear or approximately 1/16" (1.5mm) may cause a slight reduction in the apparent driving power.

NOTE: For "Flush-Driving", length settings shorter than shown above may be used. However, the adjusted length should never be less than 5.705" (144.9mm), or more than 6.055" (153.8mm), otherwise normal nailer function may be adversely affected.

DIRECTIONAL EXHAUST DEFLECTOR

Loosen screw as shown. Adjust to desired exhaust direction and tighten screw.



ACCESSORIES AVAILABLE:

BC601	4 oz. Bostitch Air-Tool Lubricant
BC602	1 pint Bostitch Air-Tool Lubricant
BC603	1 pint Bostitch "Winter-Formula" Air-Tool Lubricant
BC604	1 quart Bostitch Air-Tool Lubricant
100679	Lube 1 lb. can
SEQ1	Sequential Trip Conversion Kit
N80K2	Remote Control Kit
N80CK1	Smooth Trip Kit
N80CK2	Dial-A-Depth™ Fastener Control Kit
ORK11	O-Ring Kit
BK3	Bumper Kit
N80154A	Replacement Driver Assembly - A "Hard Driver" for high volume applications, such as pallets
851325	Loctite 271 (.02 oz.)
831385	Loctite 242 (.02 oz.)
105005	Assembly, Adjustable Contact Trip

TOOL OPERATION CHECK:

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

1. TRIGGER OPERATED TOOL:

A. With finger off the trigger, hold the tool with a firm grip on the handle.

B. Place the nose of the tool against the work surface.

C. Pull the trigger to drive. Release the trigger and cycle is complete.

CAUTION: THE TOOL WILL CYCLE EACH TIME THE TRIGGER IS PULLED!

2. 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.

3. 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 BOSTITCH pneumatic tool only for the purpose for which it was designed.**
- **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 alter or modify this tool from the original design or function without approval from BOSTITCH, INC.**
- **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 nearest Bostitch representative if your tool continues to experience functional problems.**

BASIC TOOL OPERATION

Bostitch pneumatic tools are cycled by a compressed air operated single piston design. The following illustrations show the four functional cycles that occur when the tool is operated to drive a fastener:

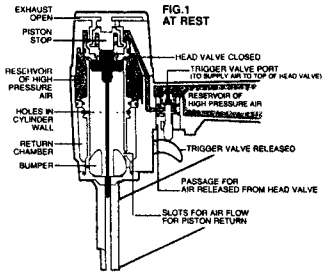


FIG.1
AT REST

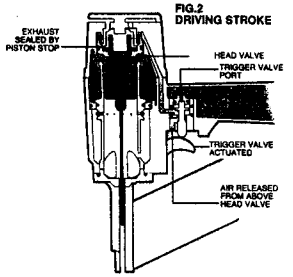


FIG.2
DRIVING STROKE

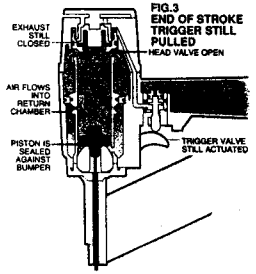


FIG.3
END OF STROKE
TRIGGER STILL PULLED

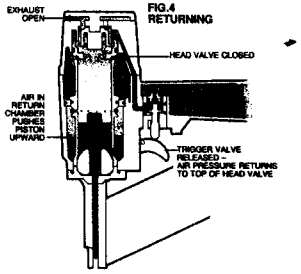


FIG.4
RETURNING

MAINTAINING THE PNEUMATIC TOOL

⚠WARNING: When working on air tools, note the warnings in this manual and use extra care evaluating problem tools.

CAUTION: Pusher spring (constant force spring). Caution must be used when working with the spring assembly. The spring is wrapped around, but not attached to, a roller. If the spring is extended beyond its length, the end will come off the roller and the spring will roll up with a snap, with a chance of pinching your hand. Also the edges of the spring are very thin and could cut. Care must also be taken to insure no permanent kinks are put in the spring as this will reduce the springs force.

REPLACEMENT PARTS:

BOSTITCH replacement parts are recommended. Do not use modified parts or parts which will not give equivalent performance to the original equipment.

ASSEMBLY PROCEDURE FOR SEALS:

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

AIR SUPPLY-PRESSURE AND VOLUME:

Air volume is as important as air pressure. The air volume supplied to the tool may be inadequate because of undersize 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, misfeeds 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.

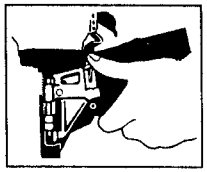
LOADING THE N80CB SERIES COIL NAILER

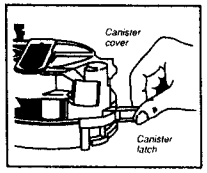
⚠WARNING: EYE PROTECTION which conforms to ANSI specifications and provides protection against flying particles both from the FRONT and SIDE should ALWAYS be worn by the operator and others in the work area when loading, operating or servicing this tool. Eye protection is required to guard against flying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

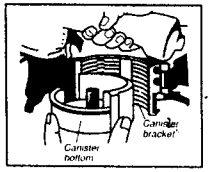
The employer and/or user must ensure that proper eye protection is worn. Eye protection equipment must conform to the requirements of the American National Standards Institute, ANSI Z87.1-1989 and provide both frontal and side protection. NOTE: Non-side shielded spectacles and face shields alone do not provide adequate protection.

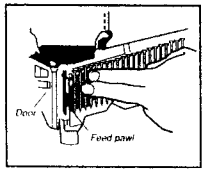
⚠WARNING: TO PREVENT ACCIDENTAL INJURIES:

- 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 nose is directed toward the work.
- Always handle the tool with care.
- Do not pull the trigger or depress the trip mechanism while loading the tool.



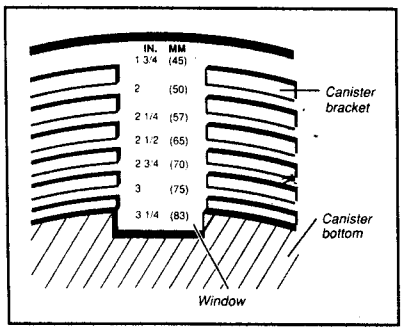






1. **Open the magazine:** pull down down latch and swing door open. Swing magazine cover open.

2. **Check adjustment:** the nailer must be set for the length of nail to be used. Nails will not feed smoothly if the magazine is not correctly adjusted.
   The N80CB accepts from 1-1/2" to 3-1/4" nails. To change setting:
   a) Release the canister latch on the rear of the canister.
   b) Pull out canister bottom by swinging right to left until tabs disengage.
   c) Inside the canister bracket are settings in inches and millimeters. The canister is adjusted correctly when the length of the nail being used is shown in the window of the canister bottom.



3. **Load the coil of nails:**
   Place a coil of nails over the post in the canister. 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.

4. **Swing cover closed.**

5. **Close the door.**
   Check that latch engages. (If it does not engage, check that the nail heads are in the slot on the nose).

Note: The canister is adjusted correctly for 1-1/2" and 1-3/4" nails when "1-3/4 (45)" appears in the window of the canister bottom.

NOTE: Use only nails recommended by Bostitch for use in Bostitch N80CB Series nailers or nails which meet Bostitch specifications.

⚠WARNING: EYE PROTECTION which conforms to ANSI 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 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 American National Standards Institute, ANSI Z87.1-1989 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:

I. **READ AND UNDERSTAND THE WARNINGS CONTAINED IN THIS MANUAL.**
II. **REFER TO "TOOL SPECIFICATIONS" IN THIS MANUAL TO IDENTIFY THE OPERATING SYSTEM ON YOUR TOOL.**

There are three available systems on BOSTITCH pneumatic tools. They are:
1. TRIGGER OPERATION 2. CONTACT TRIP OPERATION 3. SEQUENTIAL TRIP OPERATION

1. TRIGGER OPERATION

A TRIGGER OPERATED tool requires a single action to drive a fastener. Each time the trigger is pulled the tool will drive a fastener. The trigger operated model is intended for use only when a contact trip or sequential trip cannot be used due to the requirements of the application.

2. 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.

⚠WARNING: **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.**

⚠WARNING: **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.**

3. 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.

INTRODUCTION

The Bostitch N80CB is a precision-built tool; designed for high speed, high volume nailing. These tools 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 manual kept for reference. NOTE: Additional safety measures may be required because of your particular application of the tool. Contact your Bostitch representative or distributor with any questions concerning the tool and its use. Bostitch, Inc., East Greenwich, Rhode Island 02818.

INDEX

Warranty 2
Safety Instructions 3
Tool Specifications: Air Consumption & Operating Pressure 4
Air Supply: Fittings, Hoses, Filters, Regulators 5
Lubrication and Cold Weather Operation 5
Loading the Tool 6
Adjusting for Nail Length 6
Operating the Tool ..... 7 & 8
Basic Tool Function Diagram 9
Maintaining the Pneumatic Tool 9
Trouble Shooting 10
Driver Maintenance/Adjusting Exhaust 11
Accessories 11

NOTE:

Bostitch tools have been engineered to provide excellent customer satisfaction and are designed to achieve maximum performance when used with precision Bostitch fasteners engineered to the same exacting standards. **Bostitch cannot assume responsibility for product performance if our tools are used with fasteners or accessories not meeting the specific requirements established for genuine Bostitch nails, staples and accessories.**

LIMITED WARRANTY

Bostitch, Inc., warrants to the original retail purchaser that this product is free from defects in material and workmanship, and agrees to repair or replace, at Bostitch's option, any defective product within 1 year from the date of purchase This warranty is not transferable. It only covers damage resulting from defects in material or workmanship, and it does not cover conditions or malfunctions resulting from normal wear, neglect, abuse, accident or repairs attempted or made by other than our regional repair center or authorized warranty service center. Driver blades, bumpers and o-rings are considered normally wearing parts.

THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES. ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS LIMITED TO THE DURATION OF THIS WARRANTY. BOSTITCH SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

This warranty is limited to sales in the United States and Canada. Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

To obtain warranty service, return the product at your expense together with proof of purchase to a Bostitch Regional or authorized warranty repair center. You may call us at 1-800-556-6696 for the location of authorized warranty service centers in your area.

SAFETY INSTRUCTIONS

⚠WARNING: **EYE PROTECTION which conforms to ANSI 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 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 American National Standards Institute, ANSI Z87.1-1989 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 1986 is used.

AIR SUPPLY AND CONNECTIONS

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

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

⚠WARNING: **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.**

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

⚠WARNING: **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.**

LOADING TOOL

⚠WARNING: **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

⚠WARNING: **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.**

⚠WARNING: **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.**

⚠WARNING: **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.**

⚠WARNING: **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.**

⚠WARNING: **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.**

⚠WARNING: **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

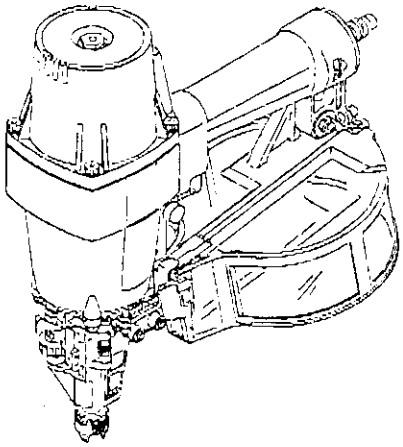
⚠WARNING: **When working on air tools note the warnings in this manual and use extra care when evaluating problem tools.**

Manual 644

Paslode Australia

Nail Coil Gun Package Fencing 02133002

DUO-FAST
HEAVY DUTY COIL NAILER
MODEL KD-665A



OPERATING MANUAL

CONTENTS:

SAFETY INSTRUCTIONS	P2
SPECIFICATIONS	P3
OPERATING INSTRUCTIONS	P4
MAINTENANCE	P6
WARRANTY STATEMENT	P7
PARTS DIAGRAM	P8
PARTS LIST	P9
FASTENERS AVAILABLE	P10
FASTENERS AVAILABLE	P11

KEEP THIS MANUAL AVAILABLE FOR ALL PERSONS ASSIGNED TO THE USE OF THE TOOL

❖ **WARNING**: FOR PERSONAL SAFETY & PROPER OPERATION OF THIS TOOL READ THIS INSTRUCTION MANUAL CAREFULLY. WHEN USING PNEUMATIC TOOLS, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED.

SAFETY INSTRUCTIONS

EYE PROTECTION IS ENCLOSED WITH THIS TOOL

To avoid serious eye injury from fasteners, approved eye protection must be worn by the tool operator, and everyone in the vicinity of the tool. Use approved safety glasses with side shields, goggle, or a wide vision safety mask over prescription glasses.

HEARING PROTECTION

To avoid the possibility of hearing loss, always use hearing protection when you are exposed to high noise levels. If in doubt, safeguard your hearing by wearing approved protective hearing defenders.

AVOID THE RISK OF EXPLOSION

Maximum Air Pressure 800 kPa (120 p.s.i)

NEVER Connect This Tool To Any Pressurised Air Cylinder Or Gas Bottle.

Fastener driving tools operated by compressed air must not be connected to a compressed airline where the maximum permissible operating pressure of the tool can be exceeded by a factor of more than 10%. To achieve this limit, the utilisation of a pressure reduction valve which includes a downstream safety valve may be employed.

BEFORE USING THE TOOL

- Check that the applied air pressure does not exceed the maximum pressure rating for the tool.
- The safety system must be in a proper operating condition. The tool must function properly.
- Do not load or unload fasteners with the airline connected to the tool, or with the tool trigger or work contact element depressed.
- Do not use a malfunctioning tool - have it serviced by qualified service personnel.

SAFE OPERATION

- ❑ Always assume the tool contains fasteners
- ❑ Never point the tool toward yourself, or anyone else, whether it contains fasteners or not.
- ❑ To avoid serious personal injury from discharged fasteners, always place the nose (muzzle) of the tool against the workpiece before operating the tool.
- ❑ Operate the tool squarely against a workpiece of proper thickness and away from its edges. If the tool is operated with its nose (muzzle) held at an angle to the workpiece, near its edges, or against thin material, a fastener can ricochet or pass through the workpiece and cause injury to yourself or others in the work area.
- ❑ Respect this tool. It is powerful and can be dangerous if handled incorrectly.

Disconnect the tool from the airline when:

- ❑ The tool is left unattended
- ❑ Maintenance or repairs are to be performed on the tool
- ❑ Clearing a jam
- ❑ Moving the tool to another location.

This tool must not be used with bump fire or contact actuation if the work involves:

- ❑ Changing one driving location to another involving the use of stairs, ladders, or scaffolding
- ❑ Closing boxes or crates
- ❑ Fitting transportation safety systems.

For these applications the single shot or sequential actuation mode must be selected

Repairs to this tool must only be performed by qualified service personnel.
Only Duo-Fast authorised parts are to be used for repair/replacement.

This tool is marked with ∇ and must only be used with an effective work contact element.

SPECIFICATIONS

TOOL & FASTENER SPECIFICATIONS		
WEIGHT	2.7kg	FREE AIR CONSUMPTION
HEIGHT	315mm	1.5 l @ 550 kPa
LENGTH	305mm	1.7 l @ 620 kPa
OPERATING AIR PRESSURE	470-800 kPa (70-120 psig)	1.8 l @ 690 kPa
MAXIMUM OPERATING PRESSURE	800 kPa (120 psig)	
NAILS FULL ROUND HEAD	DUO-FAST COIL	32-65mm 2.1 to 2.8 dia

OPERATING AIR PRESSURE

The correct operating air pressure is the lowest compressed air setting that will do the job. Using the tool at higher air pressures than required wastes air, and overstresses the tool. Start at 620 kPa (90 psig) and adjust the air pressure up or down as required. NOTE: operating air pressure must not exceed the maximum pressure rating for the tool.

AIR FILTER / REGULATOR / LUBRICATOR

A filter, pressure regulator and lubricator must be included in the air system for proper tool operation.

FILTER: A filter will prevent excessive wear and part corrosion by trapping pipe scale, dirt solidified lubricants, oil, moisture and other impurities. Moisture removal will assist in preventing frozen airlines when operating at low temperatures.

REGULATOR: The most important requirement for proper tool operation is the correct air pressure for the job. If the tool is overpowered, tool wear is increased; if the tool is underpowered it will not perform satisfactorily. A regulator positioned close to the tool assures proper and economic tool operation.

LUBRICATOR: The heavy-duty lubricants used in routine maintenance will not remain in the tool indefinitely. An airline lubricator that injects an oil mist into the tool's air supply is essential. Refer to airline lubricants for the type of lubricant to use.

AIR HOSE REQUIREMENTS

The air supply hoses must have a minimum working pressure rating of 1000 kPa (150psig). Use a good quality 8mm inside diameter air hose with this tool. The inlet air fitting at the rear of the handle is threaded to accept a male ¼" BSP fitting. *QUICK ACTION SNAP-OFF/ON COUPLINGS MUST BE USED. THESE MAY ONLY BE CONNECTED TO THE AIRLINE . NEVER FIT A QUICK ACTION COUPLING DIRECTLY TO THE TOOL. AS THIS WILL TRAP AIR IN THE TOOL WHEN RELEASED FROM THE AIRLINE.*

AIRLINE LUBRICANTS

The following lubricants are recommended for use in the airline lubricator. Above 0^0 C (32^0 F) use a non-detergent S.A.E No. 20 weight oil. Below 0^0 C, use a mixture of one part non-detergent S.A.E No.10 weight oil to three parts ethylene glycol automotive antifreeze, *CERTIFIED* as being compatible for use with aluminium. It should not contain any "anti-leak" additives. Placing a few drops of non-detergent oil in the tool air inlet before each use is beneficial. It is intended to supplement an airline lubricator, not to replace its use.

NEVER use a detergent oil i.e. motor oil, sewing machine oil etc. Detergent oils can have an effect on 'O' ring seals causing them to swell. This in turn may cause the tool to malfunction and create a safety hazard.

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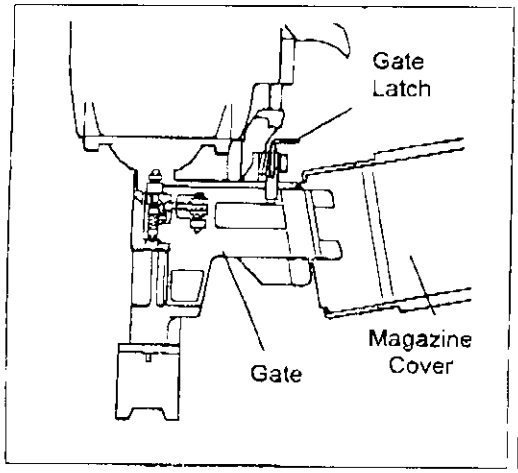
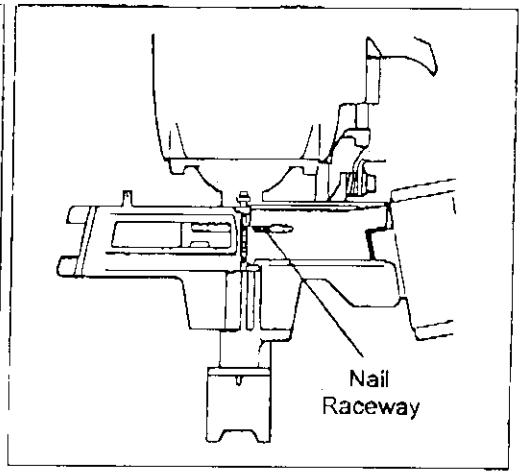
OPERATING INSTRUCTIONS

LOADING & UNLOADING NAILS

- ❑ Disconnect the tool from the airline.
- ❑ Lay the tool on its side, exposing the gate latch.
- ❑ Unlatch and open the gate. Swing open the magazine cover
- ❑ Remove the tape from the coil of nails, and uncoil a few inches of nails
- ❑ Guide the first nail into the nail raceway, whilst placing the coil of nails into the magazine.
- ❑ Close the magazine and gate
- ❑ Reconnect the tool to the airline.
- ❑ When removing empty collation tape from the tool, remove finger from trigger, and smartly pull the tape in an upward direction



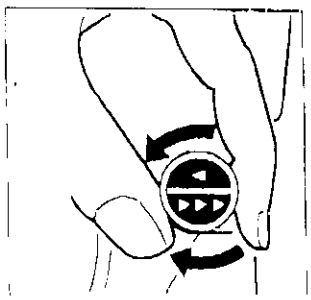


OPERATION OF TOOL

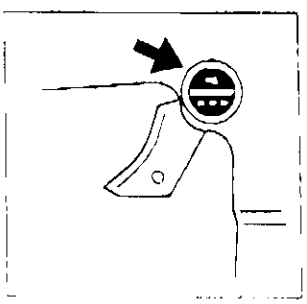
This tool is equipped with a work contact element. The work contact element must be depressed for the tool to operate when the trigger is actuated. There are two methods of driving fasteners:

1. Single Shot/Sequential/Trigger Operation. This method of operation is used when precision fastener location is more important than speed of operation. Depress the work contact element by pushing the nose (muzzle) of the tool firmly against the workpiece and depress the trigger to drive the fastener.

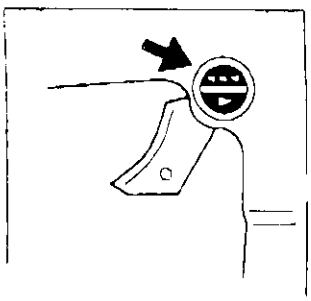
2. Bump Fire/Touch Trip/Contact actuation. This method of operation is used when speed is more important than precision fastener location. Pull and hold in the trigger, then strike the work contact element against the workpiece to drive the fastener. Repeat this actuation as rapidly as required.



Pull trigger function knob out & rotate to change mode of operation.



In this position, tool operates in single shot mode.

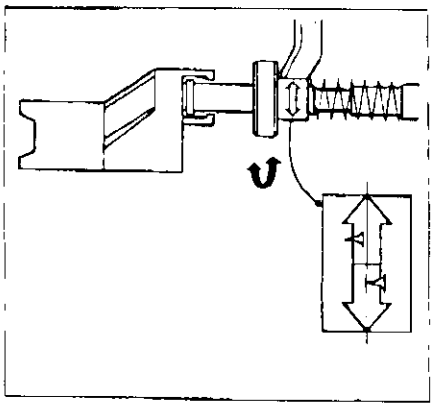


In this position, tool operates in bump fire mode.

TO PREVENT UNINTENTIONAL TOOL ACTIVATION, BE SURE TO RELEASE THE TRIGGER AS SOON AS YOU HAVE FINISHED DRIVING FASTENERS. NEVER MOVE AROUND WITH YOUR FINGER ON THE TRIGGER. NEVER PRESS THE WORK CONTACT ELEMENT AGAINST ANY OBJECT EXCEPT THE MATERIAL TO BE FASTENED.

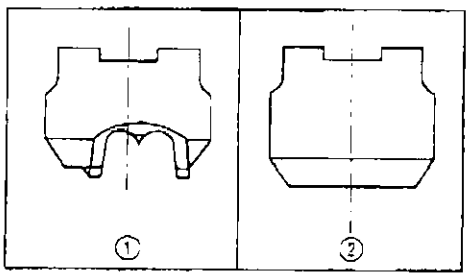
As the nails are being driven, the plastic nail carrier tape is fed out of the tool. As excess tape accumulates it may be torn off by pulling the tape smartly upwards. When pulling off tape do not keep your finger on the trigger of the tool.

ADJUSTING DEPTH OF DRIVE

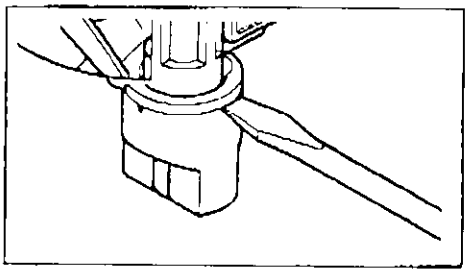


Rotate depth of drive wheel clockwise or anticlockwise to adjust fastener drive depth.

FITTING NO-MAR ATTACHMENT



1. Standard nose piece.
2. No-mar attachment, used where prevention of damage to workpiece is required, e.g. decking.



To replace standard nose piece with no-mar attachment, use screwdriver to lever the nose piece off and then push no-mar attachment on by hand.

Manual 645

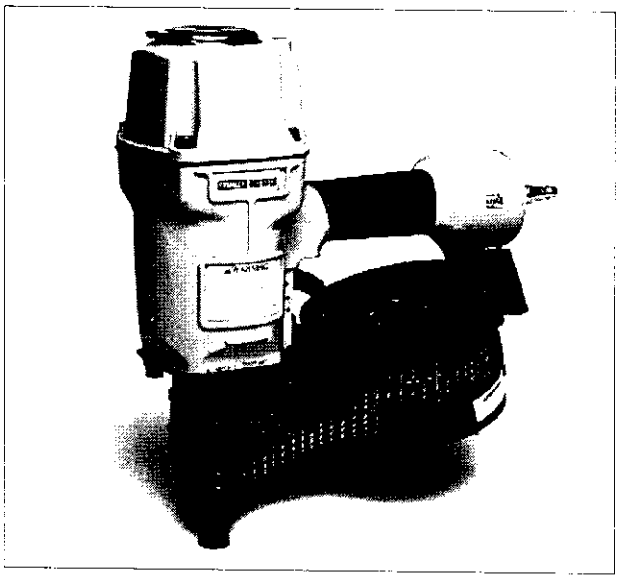
Nail Coil Saw Decking & Framing ... C213 Sec 1

STANDARD

BOSTITCH®

N80CB

COIL-FED PNEUMATIC NAILERS
CLAVADORAS NEUMÁTICAS ALIMENTADAS POR ROLLO
CLOUEURS PNEUMATIQUES À ENROULEMENT



OPERATION and MAINTENANCE MANUAL
MANUAL DE OPERACIÓN y DE MANTENIMIENTO
MANUEL D'INSTRUCTIONS et D'ENTRETIEN

⚠WARNING: **⚠ ADVERTENCIA:** **⚠ ATTENTION:**

BEFORE OPERATING THIS TOOL, ALL OPERATORS SHOULD STUDY THIS MANUAL, TO UNDERSTAND AND FOLLOW THE SAFETY WARNINGS AND INSTRUCTIONS. KEEP THESE INSTRUCTIONS WITH THE TOOL FOR FUTURE REFERENCE. IF YOU HAVE ANY QUESTIONS, CONTACT YOUR BOSTITCH REPRESENTATIVE OR DISTRIBUTOR.

ANTES DE OPERAR ESTA HERRAMIENTA, TODOS LOS OPERADORES DEBERÁN ESTUDIAR ESTE MANUAL PARA PODER COMPRENDER Y SEGUIR LAS ADVERTENCIAS SOBRE SEGURIDAD Y LAS INSTRUCCIONES. MANTENGA ESTAS INSTRUCCIONES CON LA HERRAMIENTA PARA FUTURA REFERENCIA. SI TIENE ALGUNA DUDA, COMUNÍQUESE CON SU REPRESENTANTE DE BOSTITCH O CON SU DISTRIBUIDOR.

LIRE ATTENTIVEMENT LE PRÉSENT MANUEL AVANT D'UTILISER L'APPAREIL. PRÊTER UNE ATTENTION TOUTE PARTICULIÈRE AUX CONSIGNES DE SÉCURITÉ ET AUX AVERTISSEMENTS. GARDER CE MANUEL AVEC L'OUTIL POUR FUTURE RÉFÉRENCE. SI VOUS AVEZ DES QUESTIONS, CONTACTEZ VOTRE REPRÉSENTANT OU VOTRE CONCESSIONNAIRE BOSTITCH.

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BOSTITCH®
Stanley Fastening Systems

INTRODUCTION

The Bostitch N80CB is a precision-built tool; designed for high speed, high volume nailing. These tools 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 manual kept for reference. NOTE: Additional safety measures may be required because of your particular application of the tool. Contact your Bostitch representative or distributor with any questions concerning the tool and its use. Bostitch, Inc., East Greenwich, Rhode Island 02818.

INDEX

Warranty 2
Safety Instructions 3
Tool Specifications: Air Consumption & Operating Pressure 4
Air Supply: Fittings, Hoses, Filters, Regulators 5
Lubrication and Cold Weather Operation 5
Loading the Tool 6
Adjusting for Nail Length 6
Operating the Tool ..... 7 & 8
Basic Tool Function Diagram 9
Maintaining the Pneumatic Tool 9
Trouble Shooting 10
Driver Maintenance/Adjusting Exhaust 11
Accessories 11

NOTE:

Bostitch tools have been engineered to provide excellent customer satisfaction and are designed to achieve maximum performance when used with precision Bostitch fasteners engineered to the same exacting standards. **Bostitch cannot assume responsibility for product performance if our tools are used with fasteners or accessories not meeting the specific requirements established for genuine Bostitch nails, staples and accessories.**

LIMITED WARRANTY

Bostitch, Inc., warrants to the original retail purchaser that this product is free from defects in material and workmanship, and agrees to repair or replace, at Bostitch's option, any defective product within 1 year from the date of purchase This warranty is not transferable. It only covers damage resulting from defects in material or workmanship, and it does not cover conditions or malfunctions resulting from normal wear, neglect, abuse, accident or repairs attempted or made by other than our regional repair center or authorized warranty service center. Driver blades, bumpers and o-rings are considered normally wearing parts.

THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES. ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS LIMITED TO THE DURATION OF THIS WARRANTY. BOSTITCH SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

This warranty is limited to sales in the United States and Canada. Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

To obtain warranty service, return the product at your expense together with proof of purchase to a Bostitch Regional or authorized warranty repair center. You may call us at 1-800-556-6696 for the location of authorized warranty service centers in your area.

SAFETY INSTRUCTIONS

⚠WARNING: EYE PROTECTION which conforms to ANSI 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 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 American National Standards Institute, ANSI Z87.1-1989 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 1986 is used.

AIR SUPPLY AND CONNECTIONS

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

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

⚠WARNING: 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.

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

⚠WARNING: 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.

LOADING TOOL

⚠WARNING: 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

⚠WARNING: 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.

⚠WARNING: 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.

⚠WARNING: 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.

⚠WARNING: 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.

⚠WARNING: 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.

⚠WARNING: 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

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

N80CB TOOL SPECIFICATIONS

All screws and nuts are metric.

MODEL	TOOL ACTUATION	LENGTH	HEIGHT	WIDTH	WEIGHT
N80CB-1	Contact Trip	12-1/16" (306mm)	13-1/4" (336mm)	5-9/16" (140mm)	8lb. 8oz. (3.86kgs.)
N80CB-2	Sequential Trip	12-1/16" (306mm)	13-1/4" (336mm)	5 9/16" (140mm)	8lb. 8oz. (3.86kgs.)

TOOL AIR FITTING:

This tool uses a 1/4 N.P.T. male plug. The inside diameter should be .275" (7mm) or larger. The fitting must be capable of discharging tool air pressure when disconnected from the air supply. The connector socket on the air hose should be .275" (7mm) inside diameter or larger.

OPERATING PRESSURE:

70 to 100 p.s.i.g. (4.9 to 7.0 kg/cm^2). Select the operating pressure within this range for best fastener performance.

DO NOT EXCEED THIS RECOMMENDED OPERATING PRESSURE.

AIR CONSUMPTION:

The N80CB requires 7.2 cubic feet per minute of free air to operate at the rate of 100 nails per minute, at 80 p.s.i.g. (5.6 kg/cm^2). 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 7.8 c.f.m. which is required for running at 100 nails per minute.

OPERATION

BOSTITCH OFFERS TWO TYPES OF OPERATION FOR THIS SERIES TOOL

CONTACT TRIP

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

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.

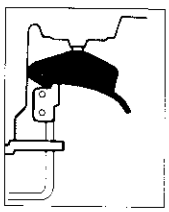
The Sequential Trip allows exact fastener location without the possibility of driving a second fastener on recoil, as described under "Contact Trip".

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.

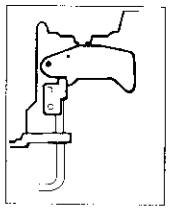
MODEL IDENTIFICATION:

Refer to Operation Instructions on page 4 before proceeding to use this tool.

CONTACT TRIP
Identified by:
BLACK TRIGGER



SEQUENTIAL TRIP
Identified by:
GRAY TRIGGER



AIR SUPPLY AND CONNECTIONS

⚠WARNING: **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 p.s.i. (10.6 kg/cm^2) 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 p.s.i. (0 - 8.79 KG/CM^2) is required to control the operatiing pressure for safe operation of this tool. Do not connect this tool to air pressure which can potentially exceed 200 p.s.i. (14 KG/CM^2)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 at 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. Use BOSTITCH Air Tool Lubricant, Mobil Velocite #10, 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 of BOSTITCH WINTER FORMULA air tool lubricant or 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.**

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.**

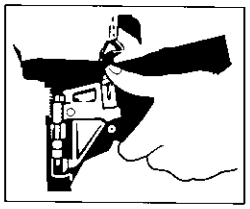
LOADING THE N80CB SERIES COIL NAILER

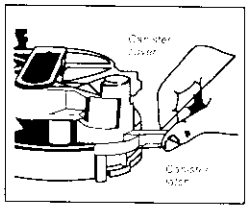
⚠WARNING: EYE PROTECTION which conforms to ANSI specifications and provides protection against flying particles both from the FRONT and SIDE should ALWAYS be worn by the operator and others in the work area when loading, operating or servicing this tool. Eye protection is required to guard against flying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

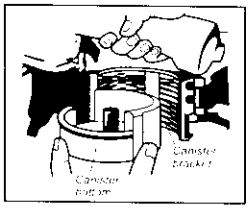
The employer and/or user must ensure that proper eye protection is worn. Eye protection equipment must conform to the requirements of the American National Standards Institute, ANSI Z87.1-1989 and provide both frontal and side protection. NOTE: Non-side shielded spectacles and face shields alone do not provide adequate protection.

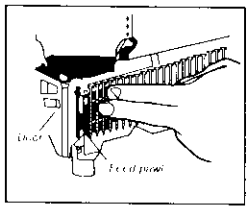
⚠WARNING: TO PREVENT ACCIDENTAL INJURIES:

- 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 nose is directed toward the work.
- Always handle the tool with care.
- Do not pull the trigger or depress the trip mechanism while loading the tool.



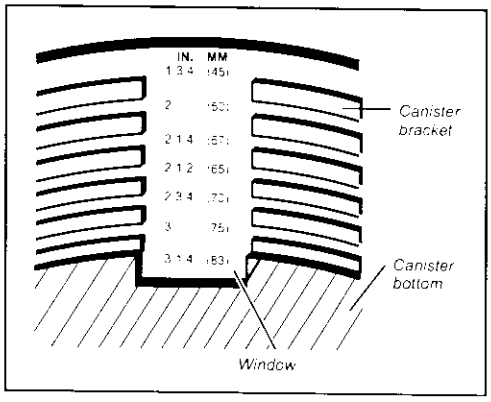






1. **Open the magazine:** pull down down latch and swing door open. Swing magazine cover open.

2. **Check adjustment:** the nailer must be set for the length of nail to be used. Nails will not feed smoothly if the magazine is not correctly adjusted.
   The N80CB accepts from 1-1/2" to 3-1/4" nails. To change setting:
   a) Release the canister latch on the rear of the canister.
   b) Pull out canister bottom by swinging right to left until tabs disengage.
   c) Inside the canister bracket are settings in inches and millimeters. The canister is adjusted correctly when the length of the nail being used is shown in the window of the canister bottom.



3. **Load the coil of nails:**
   Place a coil of nails over the post in the canister. 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.

4. **Swing cover closed.**

5. **Close the door.**
   Check that latch engages. (If it does not engage, check that the nail heads are in the slot on the nose).

   Note: The canister is adjusted correctly for 1-1/2" and 1-3/4" nails when "1-3/4 (45)" appears in the window of the canister bottom.

NOTE: Use only nails recommended by Bostitch for use in Bostitch N80CB Series nailers or nails which meet Bostitch specifications.

⚠WARNING: EYE PROTECTION which conforms to ANSI 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 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 American National Standards Institute, ANSI Z87.1-1989 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:

I. READ AND UNDERSTAND THE WARNINGS CONTAINED IN THIS MANUAL.
II. REFER TO "TOOL SPECIFICATIONS" IN THIS MANUAL TO IDENTIFY THE OPERATING SYSTEM ON YOUR TOOL.

There are three available systems on BOSTITCH pneumatic tools. They are:
1. TRIGGER OPERATION 2. CONTACT TRIP OPERATION 3. SEQUENTIAL TRIP OPERATION

1. TRIGGER OPERATION

A TRIGGER OPERATED tool requires a single action to drive a fastener. Each time the trigger is pulled the tool will drive a fastener. The trigger operated model is intended for use only when a contact trip or sequential trip cannot be used due to the requirements of the application.

2. 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.

⚠WARNING: **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.**

⚠WARNING: **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.**

3. 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. TRIGGER OPERATED TOOL:

A. With finger off the trigger, hold the tool with a firm grip on the handle.

B. Place the nose of the tool against the work surface.

C. Pull the trigger to drive. Release the trigger and cycle is complete.

CAUTION: **THE TOOL WILL CYCLE EACH TIME THE TRIGGER IS PULLED!**

2. 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.

3. 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 BOSTITCH pneumatic tool only for the purpose for which it was designed.**
- **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 alter or modify this tool from the original design or function without approval from BOSTITCH, INC.**
- **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 nearest Bostitch representative if your tool continues to experience functional problems.**

BASIC TOOL OPERATION

Bostitch pneumatic tools are cycled by a compressed air operated single piston design. The following illustrations show the four functional cycles that occur when the tool is operated to drive a fastener:

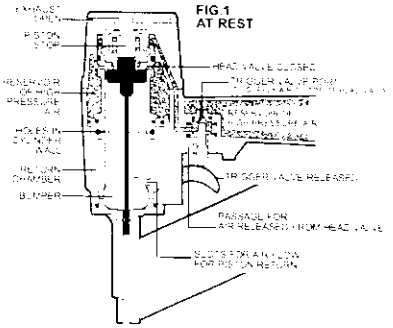


FIG.1
AT REST

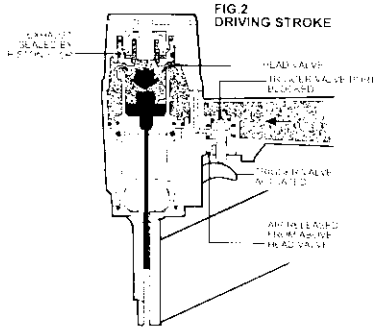


FIG.2
DRIVING STROKE

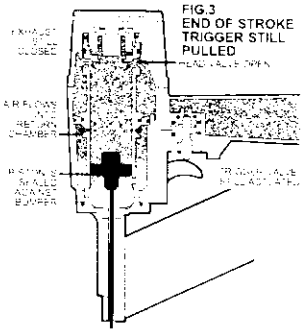


FIG.3
END OF STROKE
TRIGGER STILL
PULLED

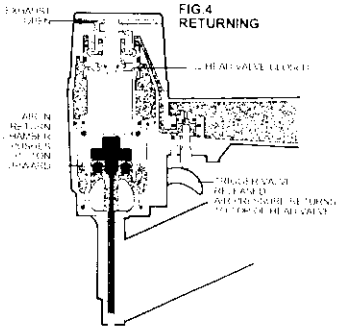


FIG.4
RETURNING

MAINTAINING THE PNEUMATIC TOOL

⚠WARNING: **When working on air tools, note the warnings in this manual and use extra care evaluating problem tools.**

CAUTION: Pusher spring (constant force spring). Caution must be used when working with the spring assembly. The spring is wrapped around, but not attached to, a roller. If the spring is extended beyond its length, the end will come off the roller and the spring will roll up with a snap, with a chance of pinching your hand. Also the edges of the spring are very thin and could cut. Care must also be taken to insure no permanent kinks are put in the spring as this will reduce the springs force.

REPLACEMENT PARTS:

BOSTITCH replacement parts are recommended. Do not use modified parts or parts which will not give equivalent performance to the original equipment.

ASSEMBLY PROCEDURE FOR SEALS:

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

AIR SUPPLY-PRESSURE AND VOLUME:

Air volume is as important as air pressure. The air volume supplied to the tool may be inadequate because of undersize 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, misfeeds 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.