

# BOSTITCH®

## FN16250

**INDUSTRIAL OIL-FREE FINISH NAILER**  
**CLAVADORA INDUSTRIAL SIN ACEITE PARA TERMINACIONES**  
**CLOUEUR DE FINITION SANS HUILE DE QUALITÉ**  
**INDUSTRIELLE**



### **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, COMUNIQUESE 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 FUTUR RÉFÉRENCE. SI VOUS AVEZ DES QUESTIONS, CONTACTEZ VOTRE REPRÉSENTANT OU VOTRE CONCESSIONNAIRE BOSTITCH.

# **BOSTITCH®**

STANLEY FASTENING SYSTEMS L.P.

# INTRODUCTION

---

The Bostitch FN16250 is a precision-built tool, designed for precise high volume nailing. This tool will deliver efficient, dependable service when used correctly and with care. As with any fine power tool, for best performance the manufacturer's instructions must be followed. Please study this manual before operating the tool and understand the safety warnings and cautions. The instructions on installation, operation and maintenance should be read carefully, and the manuals kept for reference. 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

---

Safety Instructions .....	3
Tool Specifications .....	4
Air Supply: Fittings, Hoses, Filters, Air Consumption, Regulators, Operating Pressure, Setting Correct Pressure .....	5
Loading the Tool .....	6
Tool Operation .....	7 & 8
Maintaining the Pneumatic Tool .....	9
Dial-A-Depth™ Fastener Control Adjustment. ....	9
Trouble Shooting .....	10
Notes .....	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 — U.S. and Canada Only

---

Effective December 1, 2005 Bostitch, L.P. warrants to the original retail purchaser that the product purchased is free from defects in material and workmanship, and agrees to repair or replace, at Bostitch's option, any defective Bostitch branded pneumatic stapler or nailer for a period of seven (7) years from date of purchase (one (1) year from the date of purchase for compressors and tools used in production applications). Warranty is not transferable. Proof of purchase date required. This warranty covers only damage resulting from defects in material or workmanship; it does not cover conditions or malfunctions resulting from normal wear, neglect, abuse, accident or repairs attempted or made by other than our national repair center or authorized warranty service centers. Driver blades, bumpers, o-rings, pistons and piston rings are considered normally wearing parts. For optimal performance of your Bostitch tool always use genuine Bostitch fasteners and replacement parts.

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

Some states and countries 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 and country to country.

To obtain warranty service in the U.S. return the product, together with proof of purchase, to the U.S. Bostitch National or Regional Independent Authorized Warranty Service Center. In the U.S. you may call us at 1-800-556-6696 or visit [www.BOSTITCH.com](http://www.BOSTITCH.com) for the location most convenient for you. In Canada please call us at 1-800-567-7705 or visit [www.BOSTITCH.com](http://www.BOSTITCH.com)

# 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 connecting to air supply, loading, operating or servicing this tool. Eye protection is required to guard against flying fasteners and debris, which could cause severe eye injury.



The employer and/or user must ensure that proper eye protection is worn. Eye protection equipment must conform to the requirements of the American National Standards Institute, ANSI Z87.1 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 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.

**▲WARNING:**

This nailer produces SPARKS during operation. NEVER use the nailer near flammable substances, gases or vapors including lacquer, paint, benzene, thinner, gasoline, adhesives, mastics, glues or any other material that is – or the vapors, fumes or byproducts of which are – flammable, combustible or explosive. Using the nailer in any such environment could cause an EXPLOSION resulting in personal injury or death to user and bystanders.

**▲WARNING:**

Never use belt hook with contact trigger (black trigger) operated tools.

## MAINTAINING THE TOOL

**▲WARNING:**

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

# FN16250 TOOL SPECIFICATIONS

All screws and nuts are metric.

MODEL	LENGTH	HEIGHT	WIDTH	WEIGHT
FN16250	12-3/8" (314mm)	10-1/2" (266.7mm)	3-1/16" (77.8mm)	3.3lbs (1.50kg)

## FASTENER SPECIFICATIONS:

TOOL MODEL	NAIL SERIES	GAUGE	WIRE SIZE	FASTENER RANGE
FN16250	SB16	16	.054 X .065 (1.37mm X 1.65mm)	1"- 2-1/2" (25mm-63mm)

## TOOL AIR FITTING:

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

## OPERATING PRESSURE:

70 to 120 p.s.i.g. (4.9 to 8.4 kg/cm<sup>2</sup>). Select the operating pressure within this range for best fastener performance. DO NOT EXCEED THIS RECOMMENDED OPERATING PRESSURE.

## AIR CONSUMPTION:

Model FN16250 requires 3.1 cubic feet per minute of free air to operate at the rate of 60 fasteners per minute, at 80 p.s.i.g. To calculate the actual rate at which the tool will be run to determine the amount of air required, for example; if your usage averages 30 fasteners per minute, you need 50% of the 3.1 c.f.m. which is required for running at 60 fasteners per minute.

# OPERATION

BOSTITCH OFFERS THREE 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.

## TRIGGER OPERATED:

The Trigger Operated model is cycled by actuation of the trigger only. This model does not have a Contact Arm and is intended for use only where a Contact Arm CANNOT be used to satisfy the requirements of the application. The Trigger Operated tool will cycle each time the trigger is actuated.

## MODEL IDENTIFICATION:

Refer to Operation Instructions on page 7 before proceeding to use this tool.

**CONTACT TRIP**  
Identified by:  
**BLACK TRIGGER**



**SEQUENTIAL TRIP**  
Identified by:  
**GRAY TRIGGER**



**TRIGGER OPERATED**  
Identified by:  
**BLACK 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<sup>2</sup>) 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<sup>2</sup>) is required to control the operating pressure for safe operation of this tool. Do not connect this tool to air pressure which can potentially exceed 200 p.s.i. (14 kg/cm<sup>2</sup>) 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.

# LOADING THE FN16250

**⚠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 connecting to air supply, loading, operating or servicing this tool. Eye protection is required to guard against flying fasteners and debris, which could cause severe eye injury.

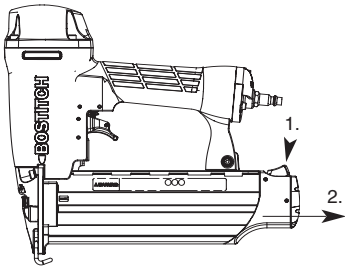


The employer and/or user must ensure that proper eye protection is worn. Eye protection equipment must conform to the requirements of the American National Standards Institute, ANSI Z87.1 and provide both frontal and side protection. **NOTE:** Non-side shielded spectacles and face shields alone do not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

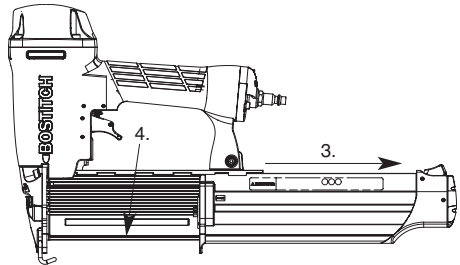
**TO PREVENT ACCIDENTAL INJURIES:**

**⚠WARNING:**

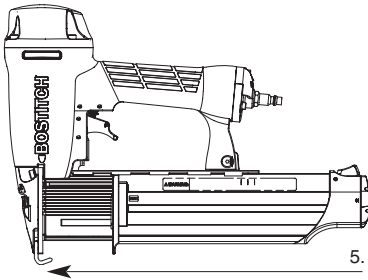
- Never place a hand or any other part of the body in nail discharge area of tool while the air supply is connected.
- Never point the tool at anyone else.
- Never engage in horseplay.
- Never pull the trigger unless nose is directed at the work.
- Always handle the tool with care.
- Do not pull the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



1. Depress magazine release button.
2. Pull back magazine.



3. Open magazine fully.
4. Insert fasteners, points must be against bottom of magazine.



5. Push magazine forward until latch is engaged.

# TOOL OPERATION

**⚠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 connecting to air supply, loading, operating or servicing this tool. Eye protection is required to guard against flying fasteners and debris, which could cause severe eye injury.

The employer and/or user must ensure that proper eye protection is worn. Eye protection equipment must conform to the requirements of the American National Standards Institute, ANSI Z87.1 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

# 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.

**⚠WARNING:**

Never use belt hook with contact trigger (black trigger) operated tools.

## **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.



# MAINTAINING THE PNEUMATIC TOOL

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

## 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. Use Parker "O"-LUBE or equivalent on all "O"-rings. Coat each "O"-ring with "O"-LUBE before assembling.

## AIR SUPPLY-PRESSURE AND VOLUME:

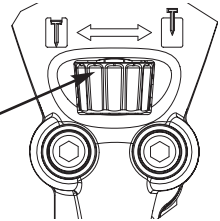
Air volume is as important as air pressure. The air volume supplied to the tool may be inadequate because of undersize fittings and hoses, or from the effects of dirt and water in the system. Restricted air flow will prevent the tool from receiving an adequate volume of air, even though the pressure 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.

**⚠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.

## "DIAL-A-DEPTH™" FASTENER CONTROL ADJUSTMENT

The DIAL-A-DEPTH™ Fastener Control adjustment feature provides close control of the fastener drive depth; from flush with the work surface to shallow or deep countersink. First, set the air pressure for consistent drive in the specific work as described on page 4, then use the DIAL-A-DEPTH™ Fastener Control adjustment to give the desired depth of drive.

Fastener Control Adjustment



# TROUBLE SHOOTING

<b>PROBLEM</b>	<b>CAUSE</b>	<b>CORRECTION</b>
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	O-ring is cut or cracked	Replace O-ring
	Bumper cracked/worn	Replace bumper
Frame/cap leaks air	Damaged seal	Replace seal
	Cracked/worn head valve bumper	Replace bumper
	Loose cap screws	Tighten and recheck
Failure to cycle	Air supply restriction	Check air supply equipment
	Worn head valve	Replace head valve
	Head valve stuck in cap	Disassemble/Check/Lubricate
Lack of power; slow to cycle	O-rings/seals cut or cracked	Replace O-rings/seals
	Exhaust blocked	Check bumper
	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
	Air pressure too low	Check air supply equipment
	Skipping fasteners; intermittent feed	Worn 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 ring		Replace piston/driver assembly
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 seal		Tighten screws/replace seal
Trigger valve O-ring cut/worn		Replace O-ring
Broken/chipped driver		Replace driver/piston assembly
Dirty magazine		Clean magazine
Worn magazine		Replace magazine
Damaged driver guide	Replace driver guide	
Fasteners jam in tool	Driver channel worn	Replace nose
	Wrong size fasteners	Use only recommended fasteners
	Bent fasteners	Discontinue using these fasteners
	Loose magazine/nose screws	Tighten all screws

