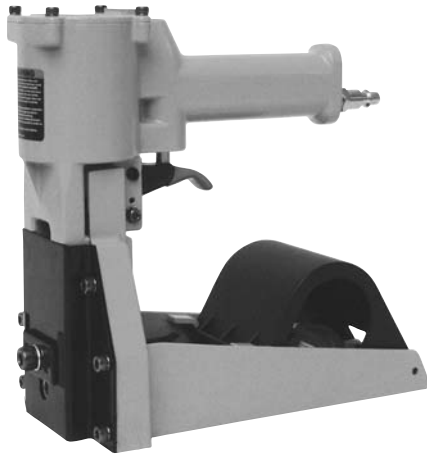


# BOSTITCH®

## D61 ADC

**PNEUMATIC CARTON CLOSER  
GRAPADORA NEUMÁTICA PARA CARTÓN  
AGRAFEUSE PNEUMATIQUE POUR CARTON**



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

**BOSTITCH®**  
STANLEY FASTENING SYSTEMS

# INTRODUCTION

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The Bostitch D61ADC series staplers are precision-built tools, designed for high speed, high volume stapling. 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 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. Stanley-Bostitch, Inc., East Greenwich, Rhode Island 02818.

## INDEX

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Safety Instructions .....	3
Tool Specifications .....	4
Air Supply: Fittings, Hoses, Filters, Air Consumption, Regulators, Operating Pressure, Setting Correct Pressure .....	5
Lubrication .....	5
Loading:	
Staple Leg Length Adjustment .....	6
Load Coils of Staples .....	7
Clinch Adjustment .....	7
Depth Adjustment .....	7
Jammed Staple Removal .....	7
Tool Operation Check .....	8
Maintaining the Pneumatic Tool .....	8
Trouble Shooting .....	9

## NOTE:

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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

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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, clinchers 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 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:**

Keep hands and body away from the discharge area of the tool.

**⚠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.

## MAINTAINING THE TOOL

**⚠WARNING:**

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

# D61ADC TOOL SPECIFICATIONS

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All screws and nuts are metric.

MODEL	LENGTH	HEIGHT	WIDTH	WEIGHT
D61ADC	9" (362mm)	8.625" (219mm)	4.5" (115mm)	5.9lb.(2.5kg.)

## **FASTENER SPECIFICATIONS:**

MODEL	STAPLE SERIES	WIRE SIZE	CROWN WIDTH	FASTENER RANGE
D61ADC	SWC	.074" X .037" (1.88mm x .94mm)	1 3/8" (34.29)	1/2 - 3/4" (12.7mm - 19.05mm)

## **TOOL AIR FITTING:**

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

## **OPERATING PRESSURE:**

The operating pressure of the tool is 70 to 100 p.s.i. (4.9 to 7.1 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 D61ADC requires 4.0 cubic feet per minute (.113 cubic meters) of free air to operate at the rate of 100 fasteners per minute, at 80 p.s.i. (5.66kg/cm<sup>2</sup>). 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 fasteners per minute, you need 50% of the tool's c.f.m. of free air which is required for running at 100 fasteners per minute.

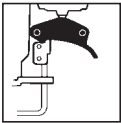
# **OPERATION**

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BOSTITCH OFFERS ONE TYPE OF OPERATION FOR THIS SERIES TOOL.

## **TRIGGER OPERATED**

This is a trigger operated model cycled by actuation of the 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.

## **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 D61ADC

**⚠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.



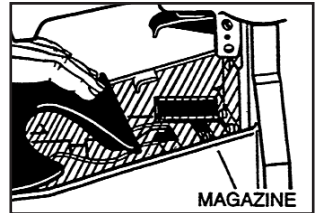
The employer and/or user must ensure that proper eye protection is worn. Eye protection equipment must conform to the requirements of the American National Standards Institute, ANSI Z87.1 and provide both frontal and side protection. **NOTE:** Non-side shielded spectacles and face shields alone do not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

**TO PREVENT ACCIDENTAL INJURIES:**

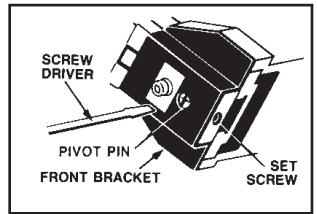
**⚠WARNING:**

- Never place a hand or any other part of the body in 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 while loading the tool.





1. Open the magazine:  
Press cover slightly to unlatch from magazine and swing cover open.



2. Check Staple Leg Length:  
Adjustment is provided in the D61ADC for different staple leg lengths. Clinchers must be changed to use 1/2" (13mm) staples.  
A) To adjust machine for leg length, loosen set screw and turn dial 180° with a screwdriver to the desired adjustment as noted. Tighten set screw.



- B) To change to shallow clinchers (see part charts for part numbers) remove screws and front bracket to provide access to clinchers. Change one at a time to prevent reversing parts.

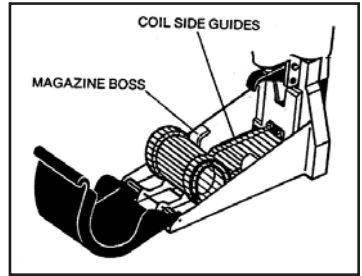
CLINCHERS	STANDARD/FLAT		SHALLOW/OFFSET	
	A01900601(L.H.)	A01900501(R.H.)	D60065 (R.H.)	D60066 (L.H.)
STAPLE LENGTHS	5/8 (16mm)	3/4 (19mm)	1/2 (13mm)	5/8 (16mm)
DIAL POSITION				

- C) To adjust coil guides, loosen four screws:
  - 1) For 1/2" (13mm) staples: push guides forward and in-wards as far as they go, tighten screws.
  - 2) For 5/8" (16mm) staples: push guides to rear with screws in center of slots, tighten screws.
  - 3) For 3/4" (19mm) staples: push guides forward and out-wards as far as they go, tighten screws.

# LOADING THE D61ADC CONTINUED

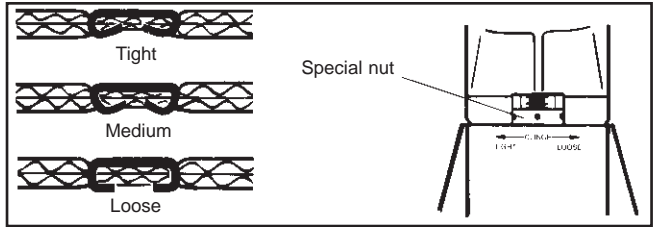
## 3. Load the Coil of Staples:

Place coil of staples in magazine. Feed front end of coil into side and top guides. Push forward until stopping on blade guide, swing cover closed and slightly squeeze to engage magazine bosses. Check positive engagement.



## 4. Clinch Adjustment:

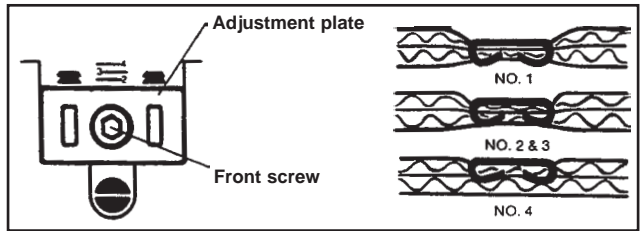
Turn special nut through window clockwise to tighten clinch and counter-clockwise to loosen clinch. Use a tool to fit 1/8" (3mm) hole.



**Note:** Remove adjusting tool after adjustment tool

## 5. Depth Adjustment:

Loosen front screw and adjust to desired depth. When top edge of adjustment plate is at highest setting (No. 4), the clinches are at their shallowest penetration. If set at lowest setting (No. 1), the clinchers are at their deepest penetration.



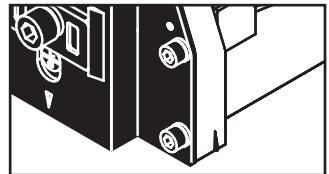
**Note:** Tighten screw before firing tool.

## 6. Stapling:

Grasp handle with one hand. Position on box in line with the desired staple location. There is a small projection on either side of the frame as an aid in locating the position of the staple. Press trigger. Move machine to next staple location with or without releasing the trigger.

Strongest closure requires end staples close to end of box. Check packaging requirements.

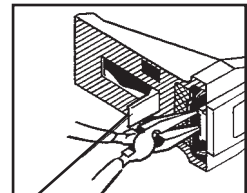
Check staple clinching in samples of board being used. Adjustments for depth of penetration and tightness of clinch are easy and instantaneous, full advantage should be taken of them



## 7. Jammed Staple Removal:

**⚠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.

Jams can be cleared by pulling jam release lever to a 90° position. At this position, hold coil of staples to prevent movement and use either a long nose plier or a screwdriver to clear jam. Carefully release lever to prevent staples being trapped between anvil and blade guide.



Jam release lever

# **TOOL OPERATION CHECK:**

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**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.

### **⚠WARNING:**

**THE TOOL WILL CYCLE EACH TIME THE TRIGGER IS PULLED!  
THIS IS A FULL CYCLE TOOL. PULL THE TRIGGER, AND CLINCHERS WILL DISCHARGE  
AND RETRACT**

## **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 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**

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**⚠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 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.



# 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/Piston rod leaks air	O-ring	.Replace O-ring
Frame/cap leaks air	Damaged O-ring	.Replace O-ring
	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
	Broken piston	.Replace piston
Lack of power; slow to cycle	Tool dry, lacks lubrication	.Use BOSTITCH Air Tool Lubricant
	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
	Air pressure too low	.Check air supply equipment
	Worn or misadjusted cycle lever	.Adjust adjustment nut or replace adjustment lever
Skipping fasteners; intermittent feed	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 /piston	.Replace O-ring/piston
	Tool dry, lacks lubrication	.Use BOSTITCH Air Tool Lubricant
	Low air pressure	.Check air supply system to tool
	Loose magazine nose screws	.Tighten all screws
	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)
	Worn anvil/pusher	.Replace anvil/pusher
	Broken pusher spring	.Replace pusher spring
	Worn former	.Replace former
	Dry/dirty magazine	.Clean/lubricate use BOSTITCH Air Tool Lubricant
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
	Worn former	.Replace former
	Worn anvil/pusher	.Replace pusher

