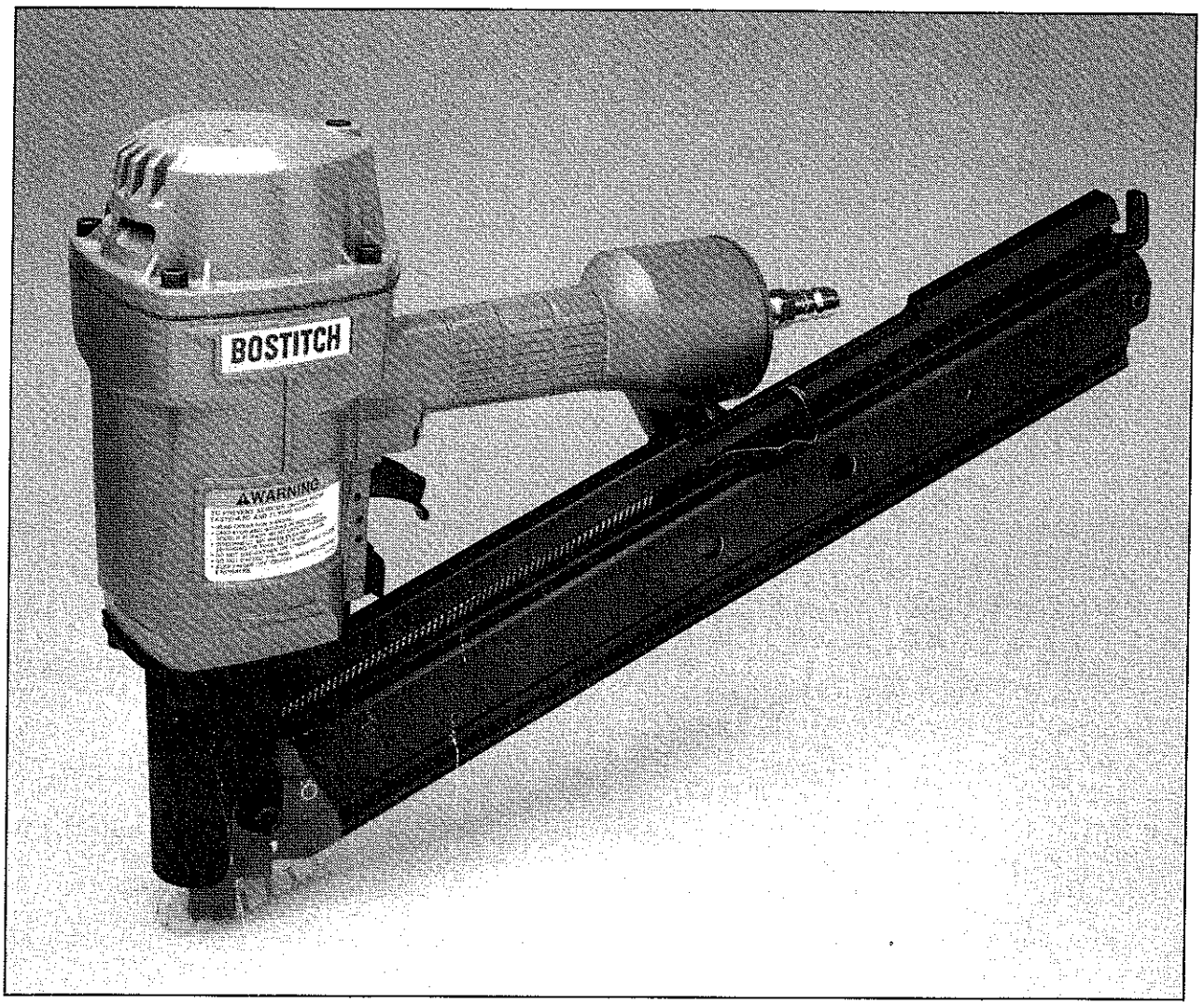
STANLEY BOSTITCH

Model N80S Series

STICK NAILERS



OPERATION and MAINTENANCE MANUAL

⚠WARNING:

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 STANLEY-BOSTITCH REPRESENTATIVE OR DISTRIBUTOR.

STANLEY BOSTITCH
Stanley Fastening Systems

BSA1522S REV O 7/90

INTRODUCTION

The Stanley-Bostitch N80S 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 manual kept for reference. NOTE: Additional safety measures may be required because of your particular application of the tool. Contact your Stanley-Bostitch representative or distributor with any questions concerning the tool and its use. Stanley-Bostitch, Inc., East Greenwich, Rhode Island 02818.

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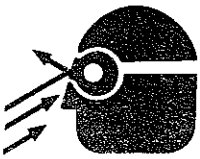
NOTE: Stanley-Bostitch tools have been engineered to provide excellent customer satisfaction and are designed to achieve maximum performance when used with precision Stanley-Bostitch fasteners engineered to the same exacting standards. **Stanley-Bostitch cannot assume responsibility for product performance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

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 Z87.1-1979 and provide both frontal and side protection. NOTE: Non-side shielded spectacles and face shields alone do not provide adequate protection.

CAUTION: EAR PROTECTION may be required in some environments. As the working area may include exposure to high noise levels which can lead to hearing damage, the employer and user should ensure that any necessary hearing protection is provided and used by the operator and others in the work area.

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 the trigger or depress the contact trip while connecting the tool 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 other persons 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 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: Check operation of the contact trip mechanism frequently. Do not use the tool if the trip is not working correctly as accidental driving of a fastener may result. Do not interfere with the proper operation of the contact trip mechanism.

⚠WARNING: Do not drive fasteners on top of other fasteners as this may cause deflection of fasteners which could cause injury.

MAINTAINING THE TOOL

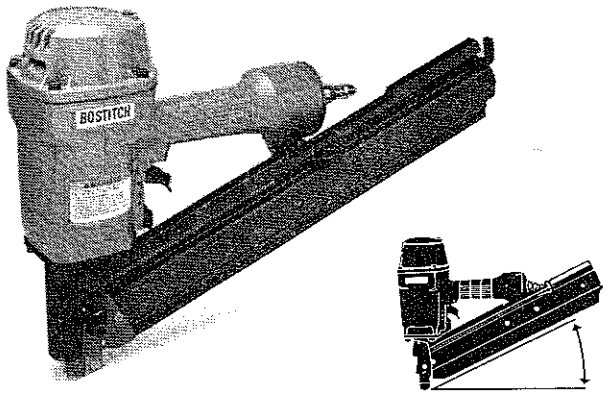
⚠WARNING: When working on air tools note the warnings in this manual and use extra care when evaluating problem tools.

MODEL N80S

For general purpose framing and decking

FEATURES

- *Choice of Contact Trip and Sequential Trip Operation.*
- *Die cast Aluminum housing and extrudued Aluminum magazine combine lightweight and high manuverability.*
- *Angled magazine stays clear of the work surface - makes toe nailing easy.*
- *Fast loading of up to three sticks of plain, screw and ring shank nails in steel, galvanized or stainless steel finishes (75 to 105 nails depending on size).*
- *Wide range of nail sizes in lengths of 2" to 3-1/2"(50-90mm) and shank diameters of .113" to .131"(2.8-3.3mm).*
- *No adjustment is necessary when changing nail lengths.*



TOOL SPECIFICATIONS

All screws and nuts are metric.

MODEL	TOOL ACTUATION	LENGTH	HEIGHT	WIDTH	WEIGHT
N80S-1	Contact Trip	18-3/8" (466mm)	13-3/4" (350mm)	5-7/16" (138mm)	8lb. (3.7kg.)
N80S-2	Sequential Trip	18-3/8" (466mm)	13-3/4" (350mm)	5-7/16" (138mm)	8lb. (3.7kg.)

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. The connector socket on the air hose should be 9/32" (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 N80S requires 7.8 cubic feet per minute of free air to operate at the rate of 100 nails per minute, at 80 p.s.i. (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.

STANLEY-BOSTITCH OFFERS TWO TYPES OF OPERATION IN THIS SERIES OF TOOLS

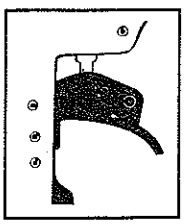
CONTACT TRIP

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. 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.

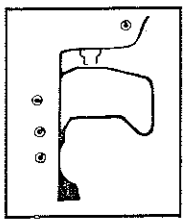
SEQUENTIAL TRIP

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 millwork 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 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 8 before proceeding to use this tool.



CONTACT TRIP
Identified by:
Black Trigger



SEQUENTIAL TRIP
Identified By: Silver 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. (10.5 kg/cm²) working pressure rating or 150 percent of the maximum pressure that could be produced in the air system, which ever is higher. 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. 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. 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 manufacturers 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 thru the air line connection will lubricate the internal parts. Use STANLEY-BOSTITCH Air Tool Lubricant, Mobil Velocite #10, or equivalent. Do not use detergent oil or additives as these lubricants will cause excellerated 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:

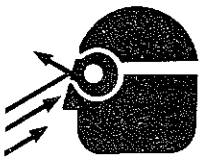
For cold weather operation, near and below freezing, the moisture in the air line may freeze and prevent tool operation. We recommend the use of STANLEY-BOSTITCH WINTER FORMULA air tool lubricant or permanent antifreeze (ethylene glycol) as a cold weather lubricant.

CAUTION: To prevent frost or ice formation on the tool's operating valves and mechanisms that could cause tool failure, do not store tools in a cold weather environment.

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

LOADING THE N80S SERIES STICK NAILER

⚠WARNING:



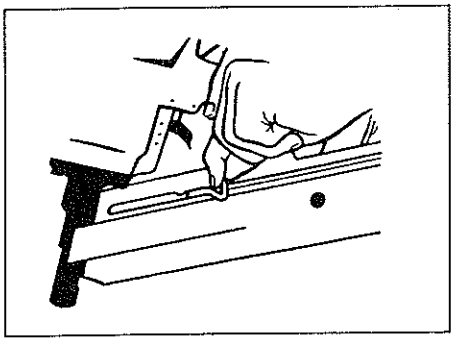
EYE PROTECTION which conforms to ANSI specifications and provides protection against flying particles both from the FRONT and SIDE should ALWAYS be worn by the operator and others in the work area when loading, operating or servicing this tool. Eye protection is required to guard against flying fasteners 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 Z87.1-1979 and provide both frontal and side protection. NOTE: Non-side shielded spectacles and face shields alone do not provide adequate protection.

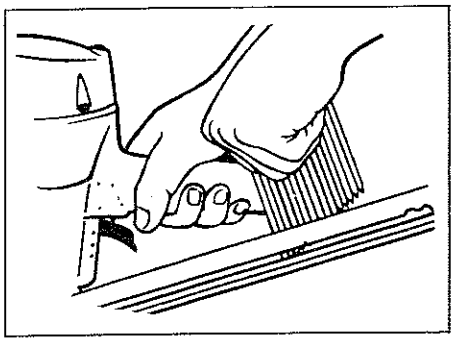
⚠WARNING: TO PREVENT ACCIDENTAL INJURIES:

- Never place a hand or any other part of body in nail discharge area of tool while the air supply is connected.
- Never point the tool toward anyone else.
- Never engage in horse play.
- Never pull 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.

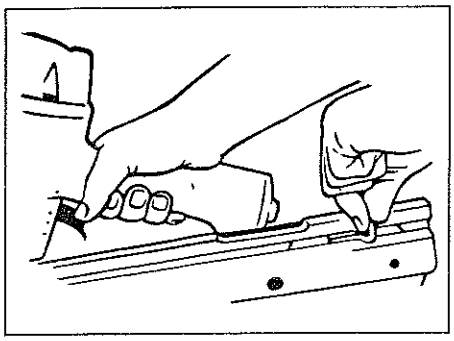
LOADING NAILER



1. Open Magazine:
Pull pusher back to engage latch.



2. Load Nails:
Hold nailer with magazine tilted downward. Insert sticks of nails.

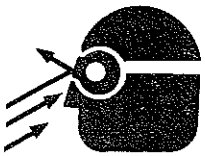


3. Close Magazine:
Release latch by pulling latch tab and pusher together slightly to disengage, slide pusher against nails.

NOTE: Use only nails recommended for use in Stanley-Bostitch N80S series nailers or nails which meet the Stanley-Bostitch specifications.

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 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—1979 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 operating systems on STANLEY-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 work contacting arm 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, position the nose of the tool on the work surface, WITH FINGER OFF THE TRIGGER, and depress the contact trip. Pull the trigger to drive a fastener and remove your finger from the trigger after each operation.

B. **RAPID FASTENER OPERATION:** To operate the tool in this manner, pull the trigger with the tool off the work surface. To drive fasteners, "tap" the nose of the tool against the work surface using a "bouncing" motion. Each depression of the contact trip will drive a fastener.

⚠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.**

OPERATOR NOTE:

Do not press the tool against the work surface with "extra force" but instead allow the tool to recoil off the work surface to avoid a second unwanted fastener.

3. SEQUENTIAL TRIP OPERATION:

THE SEQUENTIAL TRIP MODEL contains a work contacting arm that operates in conjunction with the trigger to drive a fastener. There is only one method of operation to drive fasteners with a sequential trip tool, and that is single fastener placement. To operate the tool, release the trigger, press the nose of the tool on the work surface, then pull the trigger to drive a fastener. This sequence must be performed for each fastener to be driven.

The Sequential Trip Model provides a positive safety advantage because it will not accidentally drive a fastener if the nose of the tool is unintentionally allowed to recontact the work surface or anything else, with finger on the trigger.

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

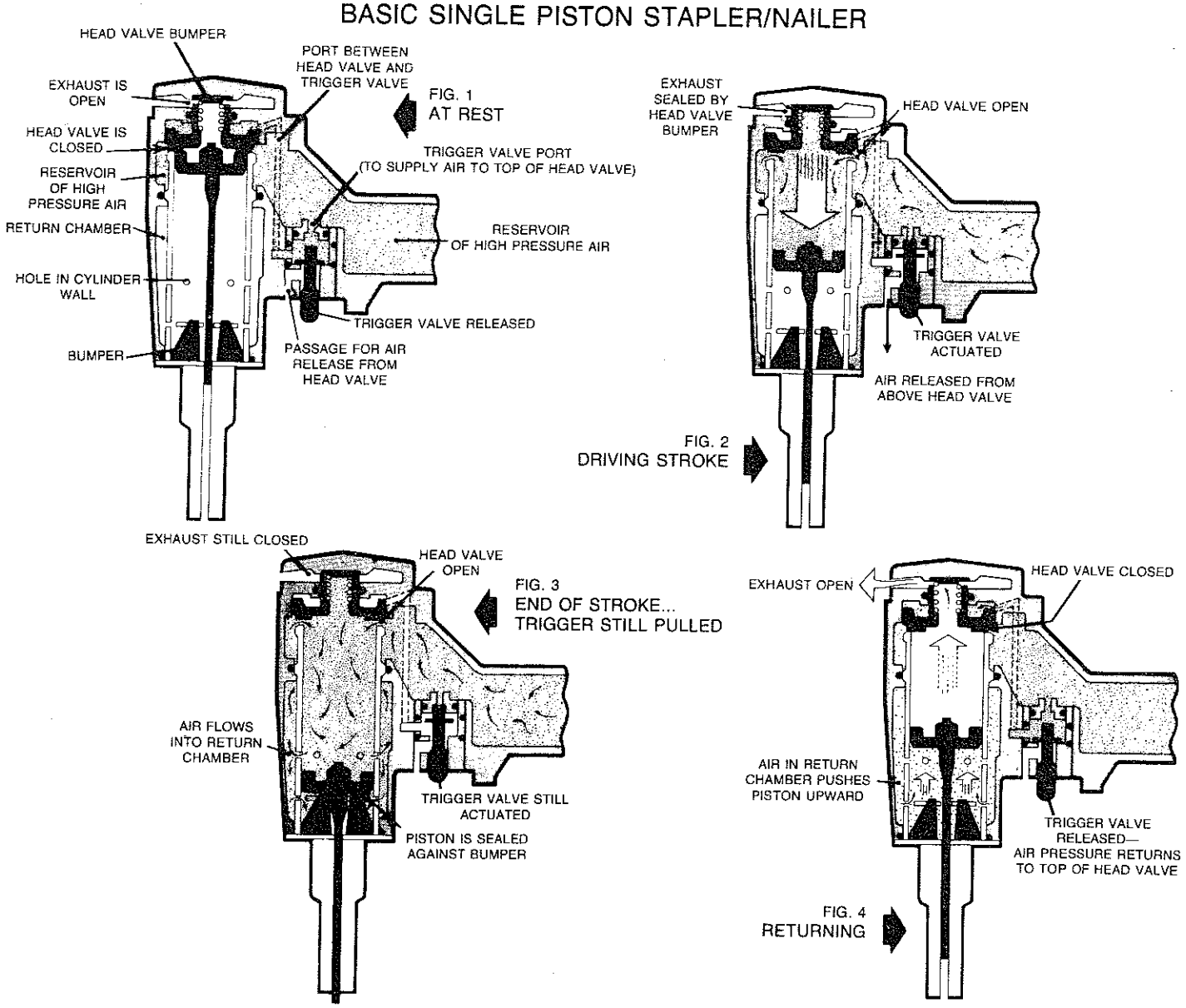
- **Use the STANLEY-BOSTITCH pneumatic tool only for the purpose for which it was designed.**
- **Never use this tool in a manner that could cause a fastener to be directed toward the user or others in the work area.**
- **Do not use the tool as a hammer.**
- **Always carry the tool by the handle. Never carry the tool by the air hose.**
- **Do not alter or modify this tool from the original design or function without approval by STANLEY-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.**

NOTE: Do not continue to use a tool that leaks air or does not function properly. Notify your nearest Stanley-Bostitch representative if your tool continues to experience functional problems.

BASIC TOOL OPERATION:

STANLEY-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:

BASIC SINGLE PISTON STAPLER/NAILER



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:

STANLEY-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 STANLEY-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

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 O-ring/seals
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	Cracked gasket	Replace gasket
	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 STANLEY-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 STANLEY-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
	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 & plug	Replace quick disconnect fittings
	Worn piston O-ring	Replace O-ring, check driver
	Tool dry, lacks lubrication	Use STANLEY-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 STANLEY-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 STANLEY-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.
	Broken weld wires in nail coil	Discontinue using
Fasteners jam in tool/canister	Wrong size fasteners for tool	Use only recommended fasteners/check canister bottom adjustment
	Broken welded wires in nail coil	Discontinue using

ALSO AVAILABLE ACCESSORIES:

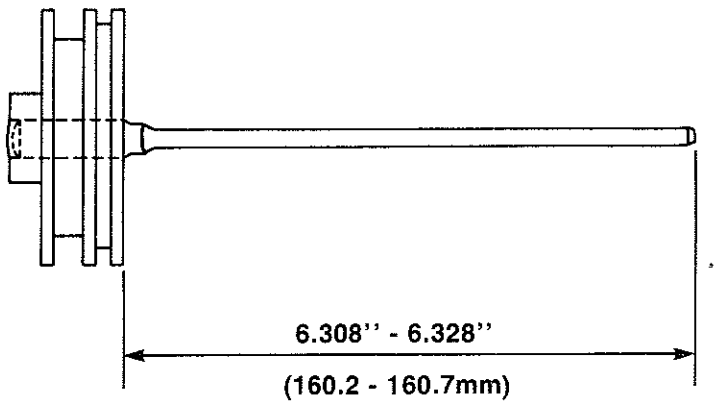
851325	Loctite Grade 271 (.02 oz.)
851385	Loctite Grade 242 (.02 oz.)
TT15403	Hex Wrench 5mm
TT15404	Hex Wrench 6mm
BC601	4 oz. bottle Stanley-Bostitch Air Tool Lubricant
BC602	1 pint Stanley-Bostitch Air Tool Lubricant
BC603	1 pint Stanley-Bostitch "Winter Formula" Lubricant
BC604	1 quart Stanley-Bostitch Air Tool Lubricant
86524	4 oz. Tube O-Ring Lube
N70/N80ORK	O-Ring Kit
N70/N80BK	Bumper Kit
N80K2	Remote Control Kit
N86SK1	Adjustable Trip Combination
N86SK2	Adjustable Trip Smooth

DRIVER LENGTH ADJUSTMENT

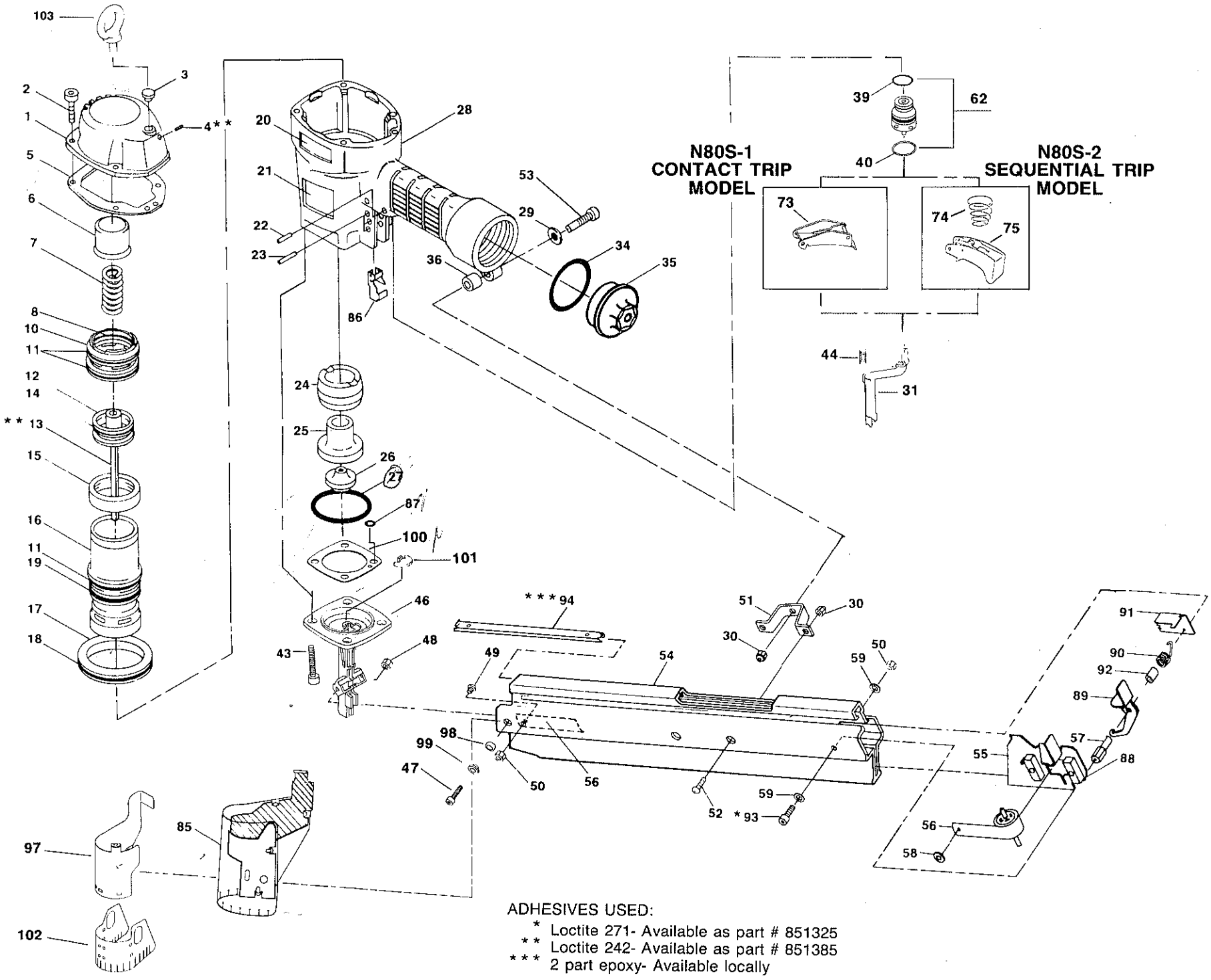
The driver length may be adjusted to compensate for wear. Heat and precise measurement are required. Contact a qualified service technician if adjustment becomes necessary.

The standard length, measured from the bottom of the main piston to the tip of the driver is:

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



NOTE: For "Flush-Driving", length settings shorter than 5.808" (147.5mm) may be used. However, the adjusted length should never be less than 5.625" (142.8mm) or more than 5.828" (148mm), otherwise normal nailer function may be adversely affected.


N80S-1
CONTACT TRIP
MODEL
N80S-2
SEQUENTIAL TRIP
MODEL
ADHESIVES USED:
* Loctite 271- Available as part # 851325
** Loctite 242- Available as part # 851385
*** 2 part epoxy- Available locally

PARTS COMMON TO N80S-1 & N80S-2

Item No.	Part No.	Description	Item No.	Part No.	Description	Item No.	Part No.	Description
1	N80115A	Cylinder Cap Assy.	22	MPG030020	Roll Pin 3 x 20	51	N80321	Mounting Bracket
2	MSC6100-25	Screw M 6 x 25	23	MPG030025	Roll Pin 3 x 25	52	MSB6100-12	Hex.Soc.Button Hd.Screw M6 x 12
3	854064	Grommet	24	N70156	Bumper "A"	53	MSC6100-30	M6 x 30 Hex. Soc. Hd. Cap Screw
*4	MSG5080-5P	Screw M 5 x 5	25	N70157	Bumper "B"	55	N80322A	Pusher Assembly
5	N70118	Cylinder Cap Seal	28	N80139	Frame	56	N16175A	Pusher Spring Assembly
6	N70153	Piston Stop	29	MPW6.2	Washer 138	57	N80340	Magazine Spacer
7	854015	Compression Spring—3195	30	MHE6100-100	Elastic Stop Nut M6	58	N80323	Spring Spacer
8	MRG041630	O-ring 1A 3.1 x 41.5	34	MRG049431	O-Ring ARP568-140	59	LW8	Spacer
10	N80337	Head Valve Piston	35	N80140	End Cap	62	N86122A	Trigger Valve Assembly
11	851438	O-Ring 1A3.1 x 56.5	36	N70143	Rubber Bushing	74	N60077	Spring, Trigger
12	N70133	Main Piston	‡‡39	86459	O-Ring	75	N60085A	Trigger S.T. Assy.
14	851439	O-Ring 1A5 x 42.7	‡‡40	MRG019824	O-Ring 1AP20	86	N70145	Arm Guide
15	N70155	Cylinder Seal	41	MRG002514	O-Ring 1B 1.4 x 2.5	**88	N80333	Pusher Bearing Kit
16	N80117	Cylinder	43	MSC8125-28	Screw M8 x 28	89	N80325	Latch
17	N70154	Cylinder Ring	44	N80132	Spring	90	N80335	Latch Spring
18	MRG084431	O-Ring 1AG90	47	MSC8125-16	Hex.Soc.Hd. Cap Screw M8x16	91	N80332	Latch Stop
19	MRG055657	O-Ring 1AP56	48	N70120	Torque Nut	92	N80336	Latch Spring Bushing
20	N70148	"Bostitch" Label	49	MSB4070-10	Hex.Soc.Button Hd.Screw M4 x 10	93	MSC4070-45	Hex Soc. Hd. Cap Screw M4 x 45
21	851392	Warning Label	50	MHE4070-100	Elastic Stop Nut M4 x 0.70	***94	N16177	Nail Guide
						†103	851756	Hanger

UNIQUE PARTS

ITEM	PART NO.	DESCRIPTION	N80S-1 Alum. Mag.	N80S-2 Alum. Mag.	N80S-1 Black Mag.	N80S-2 Black Mag.
13	N80358	Driver			x	x
13	N80301	Driver	x	x		
26	N80314A	Driver Guide Assy.	x	x		
27	MRG053515	O-Ring 1A1. 5 x 53.5	x	x		
31	N80368	Contact Trip Combination			x	x
31	N80306A	Contact Arm Assy.- Black	x	x		
46	N80334	Nose	x	x		
46	N80348	Nose			x	x
54	N80309A	Magazine Assembly	x	x		
54	N80365A	Magazine Assembly- Black			x	x

ITEM	PART NO.	DESCRIPTION	N80S-1 Alum. Mag.	N80S-2 Alum. Mag.	N80S-1 Black Mag.	N80S-2 Black Mag.
73	N50082A	Trigger Assembly C.T.	x		x	
75	N60085A	Trigger Assembly S.T.		x		x
85	N80317A	Dust Shield Assy.	x	x		
87	T29047	O-Ring 1. 5 x 3.5	x	x		
97	N80360	Guard			x	x
98	N80356	Shock Ring			x	x
99	N80357	Spacer			x	x
100	N80354	Nose Gasket			x	x
101	N80359	Locator Plate			x	x
102	N80361	Dust Shield			x	x

NOTE: Magazine color (Natural Aluminum vs Black) distinguishes between varying parts, see check list above.

* Item #4 is included with item #1.

** Item #88 includes (4) bearings, (2) screws & (2) nuts.

*** Item #94 is included in N80309A & N80365A magazine assembly (item#54)

‡‡ Items #39 & #40 are included with item #62

† 851756 Optional accessory hanger not included with tool.