AIR TOOLS

CARPENTER

Coil Siding Nailer

Model No. CCN65

IMPORTANT:
Please read this manual carefully before using this product, and save it for reference.

INSTRUCTION MANUAL

Contact us

info@carpenterpowertools.com

Carpenter Power Tools
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Jasper, GA. 30143

1-888-666-1887

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TECHNICAL SPECIFICATIONS

Operating pressure	70 – 120 psi (4.9 – 8.3bar 5 – 8.5 kgf/cm2)
Dimensions (Length*Height*Width)	11.1"(L)x12.44"(H)x5.2"(W)
	(282mmx316mmx132mm)
Net Weight	5.2 lbs (2.3 kg)
Nail capacity	200 – 300 nails (1 coil)
Fastener Details	15º 1-1/2” to 2-1/2” Wire Collated Coil Siding Nails 15º 1-1/2” to 2-1/2” Plastic Coil Nails
Air consumption	.049 ft3/cycle at 90 psi
	(1.4 ltr/cycle at 6.9 bar)
	(1.4 ltr/cycle at 7 kgf/cm2)
Air inlet	3/8 NPT Thread
Driving Power	440 in./lbs at 90 psi

CFM: Cubic feet per minute refers to the volumetric flow of air. This information Is used to determine the proper compressor to suit your needs.

NPT: National Pipe Thread.

SAFETY GUIDELINES

This manual contains information that relates to PROTECTING PERSONAL SAFETY and PREVENTING EQUIPMENT PROBLEMS. It is very important to read this manual carefully and understand it thoroughly before using the product. The symbols listed below are used to indicate this information.

DANGER!

Potential hazard that could result in serious personal injury including possible death.

WARNING!

Potential hazard that could result in serious personal injury to the tool user or others in the work area.

CAUTION!

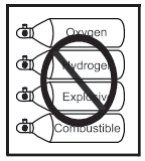
Potential hazard that could result in damage to the tool or property.

PERSONAL SAFETY

These precautions are intended for the personal safety of the user and others working with the user. Please take time to read and understand them.

Make sure you read and understand this manual before using this tool. Make sure other users read and understand this manual before they use the tool.

SAFETY GUIDELINES

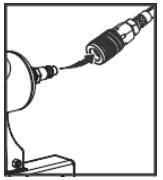


- DANGER! Potential hazard that could result in serious personal injury including possible death.
- Do not use oxygen or any other combustible or bottled gas to power air-powered tools. Failure to observe this warning can cause explosion and serious personal injury or death.
- Do not use this tool in the presence of flammable liquids, dust or gases. Sparks that are created during use may ignite these materials.
- Use only compressed air to power air-powered tools. Use an approved air hose with a minimum length of 25' (7.6 m).
- Do not allow inexperienced or untrained individuals to operate any air-powered tool.
- Keep hands and other parts of the body away from the Outlet (Firing Head) during use.
- Nails or objects in the workpiece can cause serious injury if they are deflected by the workpiece.
- Keep children away from the work area. Do not allow children to handle power tools.
- Never point nailer toward yourself or anyone else.
- Always assume the nailer contains fasteners. Never point the nailer toward yourself or anyone else, whether it contains fasteners or not. If fasteners are mistakenly driven, it can lead to severe injuries. Never engage in horseplay with the nailer. Respect the nailer as a dangerous working implement.

WARNING!
Potential hazard that could result in serious personal injury to the tool user or others in the work area.

- Always wear eye and hearing protection when using the air compressor. Failure to do so may result in sight or hearing loss.
- Do not overload the tool. Allow the tool to operate at its optimum speed for maximum efficiency.
- Do not point the tool towards yourself or other people, even when the tool has stopped. Keep hands, feet, and all other parts of the body clear from work area.
- Do not attempt to clear nailer jams while the air hose is connected.
- Do not keep the trigger or the Push Lever pressed while loading nails.

CAUTION!
Potential hazard that could result in damage to the tool or property.



- Disconnect the tool from the air supply and turn off the compressor before performing any maintenance, when the tool is not in use, when it is being handed to another person, when it is left unattended, or when loading and changing nails. Failure to comply may result in injury or damage to equipment.
- Do not exceed the maximum or minimum pressures. Operating the tool at the wrong pressure (too low or too high) may cause excessive noise or rapid wear.
- Use only Non-Detergent Air Tool Lubricating Oil for this tool.
- Near and below freezing, moisture in the air line may freeze and prevent tool operation. Do not store in a cold weather environment to prevent frost or ice formation. Frost and ice on the tools operating valves and mechanisms could cause tool failure.

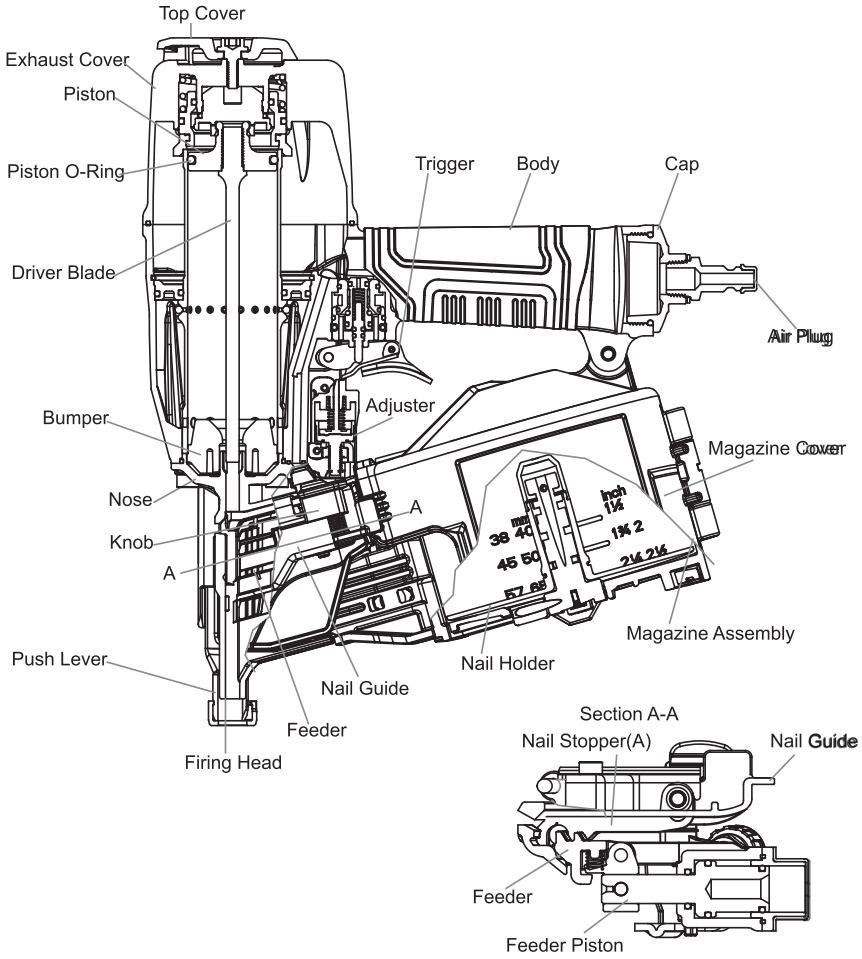
NOTE: Some commercial air line drying liquids are harmful to “O” rings and seals—Do not use these low temperature air dryers without checking compatibility.

OPERATION

NOTE: The information contained in this Manual is designed to assist you in the safe operation of the Nailer.

Some illustrations in this Manual may show details or attachments that differ from those on your own Nailer.

NAME OF PARTS



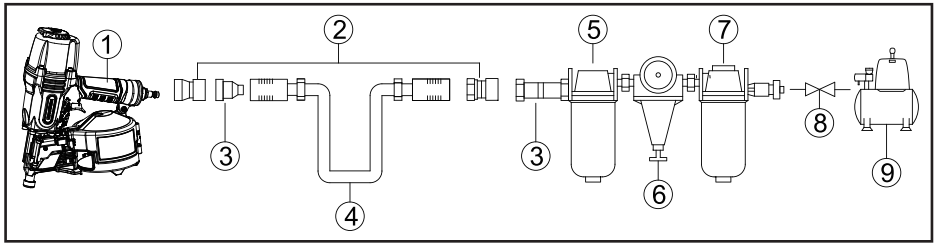
Compatible compressors

GUIDELINES FOR PROPER USE AND OPERATION

Be sure to use a proper air compressor with CARPENTER Air Tools. The compressor should be able to supply a minimal air delivery of 4.7 CFM @ 90 PSI to ensure the compressor can run continuously with the CARPENTER 15º Wire Collated Coil Siding Nailer.

General use

The CARPENTER 15º Wire Collated Coil Siding Nailer. drives 1-1/2" to 2-1/2" 15º Wire Collated Coil Nails and plactic coil nails. The tool is lightweight and durable, stands up to the elements and provides consistently accurate results over the life of the tool. An ideal tool for a variety of construction projects, including installation of asphalt roofing shingles and insulation boards. It also features a high-capacity side-load magazine, tool-less depth adjustment, durable construction, and more.



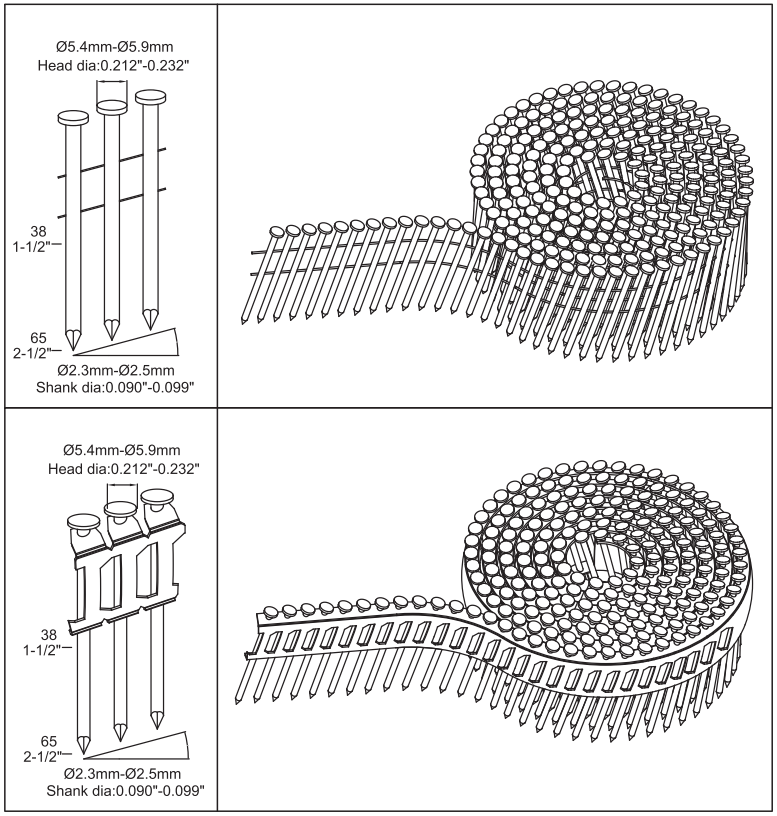
No.	Description	No.	Description
1	Air-powered Coil Siding Nailer	6	Regulator
2	Quick connector	7	Filter
3	Quick coupler	8	Cut-off valve
4	Air hose	9	Air compressor
5	Lubricator		

- It is recommended that a filter-regulator-lubricator be used and be located as close to the tool
- If a filter-regulator-lubricator is not installed, place up to 6 drops of compressor oil into the air inlet plug before each use.
- If a filter-regulator-lubricator is installed, keep the air filter clean. A dirty filter will reduce the air pressure to the tool, which will cause a reduction in power, efficiency, and general
- Verify that all of the connections in the air supply system are sealed in order to prevent air leakage.

Read and follow all the safety instructions at the beginning of this manual and inspect the air-powered nailer prior to each use in order to ensure that the proper power source is being used and verify that the tool is in proper working order

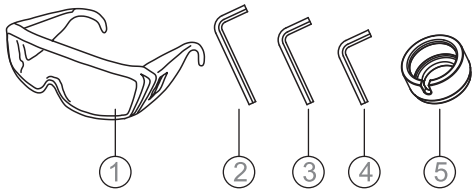
ACCEPTABLE NAILS

Only nails shown in the Table below can be driven with this Nailer.
NOTE:



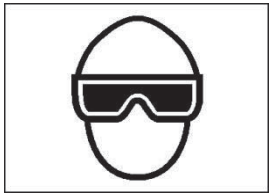
STANDARD ACCESSORIES

1	Safety glasses	1
2	Allen wrench for M6 screw	1
3	Allen wrench for M5 screw	1
4	Allen wrench for M4 screw	1
5	Nose cap "No-mar push lever attachment" (It is attached in the magazine assembly)	1



TESTING THE NAILER

⚠ DANGER



•Operators and others in work area MUST wear safety glasses with side shields which conforms to ANSI Z87.1 specifications.

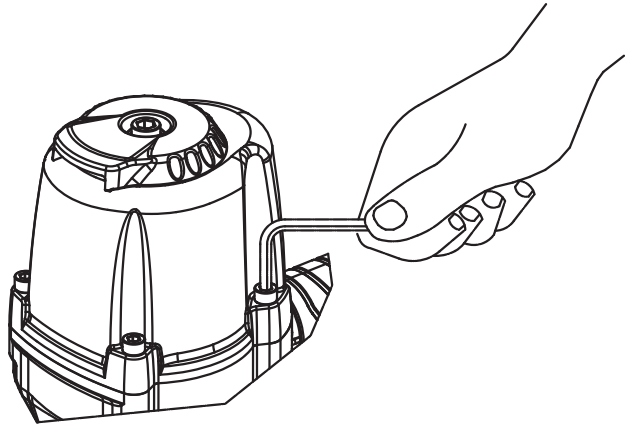
⚠ WARNING

• Never use Nailer unless push lever is operating properly.

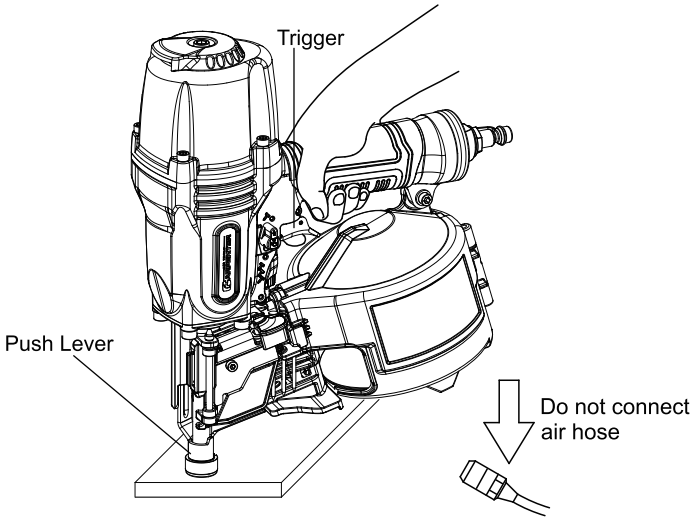
Before actually beginning the nailing work, test the Nailer by using the check list below. Conduct the tests in the following order.
If abnormal operation occurs, stop using the Nailer and contact a Carpenter power tools immediately.

(1) DISCONNECT AIR HOSE FROM NAILER.
REMOVE ALL NAILS FROM NAILER.

■ ALL SCREWS MUST BE TIGHTENED. If any screws are loose, tighten them.



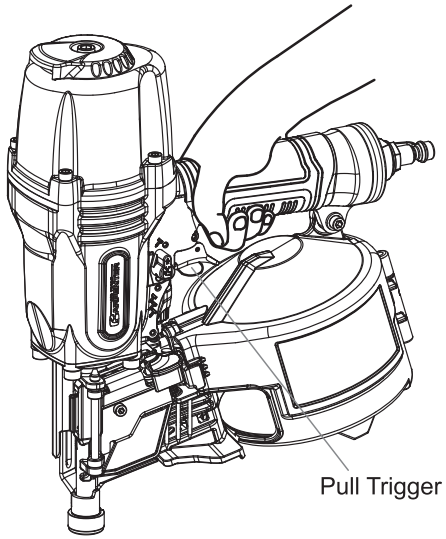
■ THE PUSH LEVER AND TRIGGER MUST MOVE SMOOTHLY.



(2) Adjust the air pressure to 70 psi (4.9 bar 5 kgf/cm²). Connect the air hose. Do not load any nails in the Nailer.

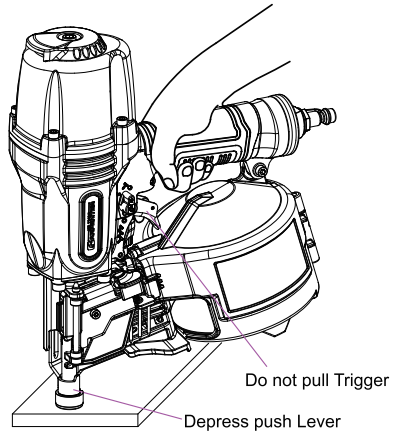
■ THE NAILER MUST NOT LEAK AIR.
Hold the Nailer downward and pull the trigger.

■ THE NAILER MUST NOT OPERATE.



(3) With finger off the trigger, depress the push lever against the workpiece.

■ THE NAILER MUST NOT OPERATE.



(4) Without touching the trigger, depress the push lever against the workpiece. Pull the trigger.

■ THE NAILER MUST OPERATE.

(5) With the Nailer off the workpiece, pull the trigger. Depress the push lever against the workpiece.

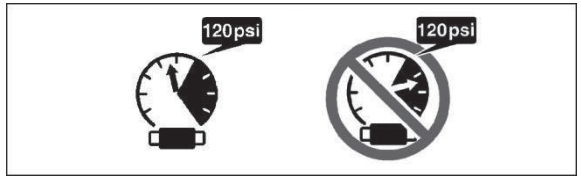
■ THE NAILER MUST OPERATE.

(6) If no abnormal operation is observed, you may load nails in the Nailer. Drive nails into the workpiece that is the same type to be used in the actual application.

■ THE NAILER MUST OPERATE PROPERLY.

ADJUSTING AIR PRESSURE

⚠WARNING



Do not exceed 120 psi (8.3 bar 8.5 kgf/cm²).

Adjust the air pressure at recommended operating pressure 70 – 120 psi (4.9 – 8.3 bar 5 – 8.5 kgf/cm²) according to the length of nails and the hardness of workpiece.
The correct air pressure is the lowest pressure which could do the job. Using the Nailer at a higher than required air pressure unnecessarily over stresses the Nailer.

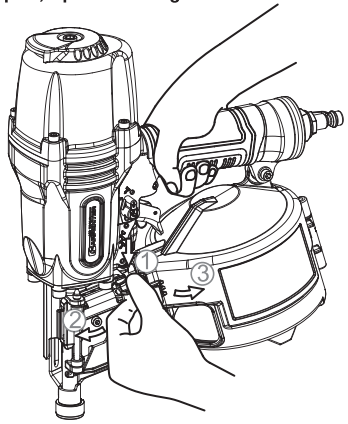
OPERATING INSTRUCTIONS

LOADING NAILS

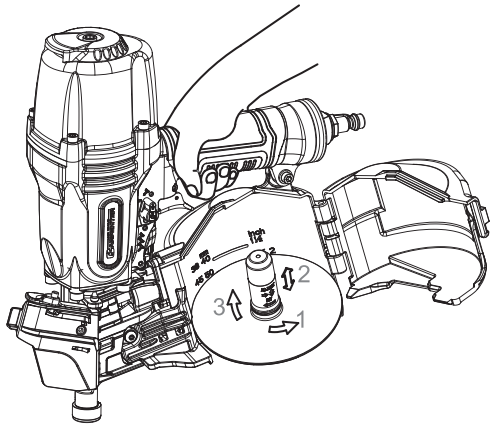
⚠ WARNING

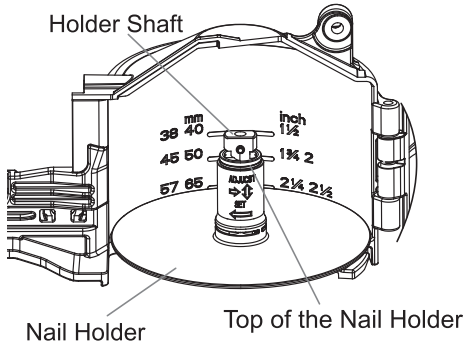
When loading nails into Nailer,
1.Do not pull trigger;
2.Do not depress push lever;
3.Keep Nailer pointed downward.

(1) Press the knob down and swing the nail guide open; open the magazine cover

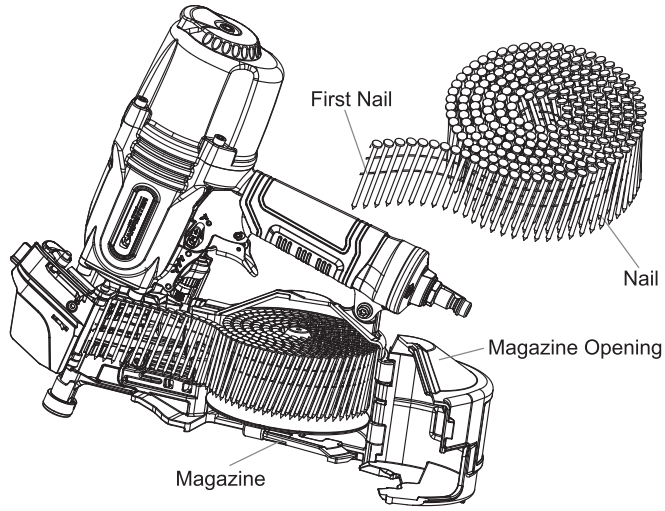


(2) Adjust the position of the nail holder according to the nail length.
The nail may not feed smoothly if the nail holder is not correctly adjusted.
①Turn the nail holder about 90 degrees counterclockwise.
②Move the nail holder up and down to align the top of the nail holder with a mark on the holder shaft in accordance with the length of the nails being used.
③Turn the nail holder 90 degrees clockwise until you hear "click"

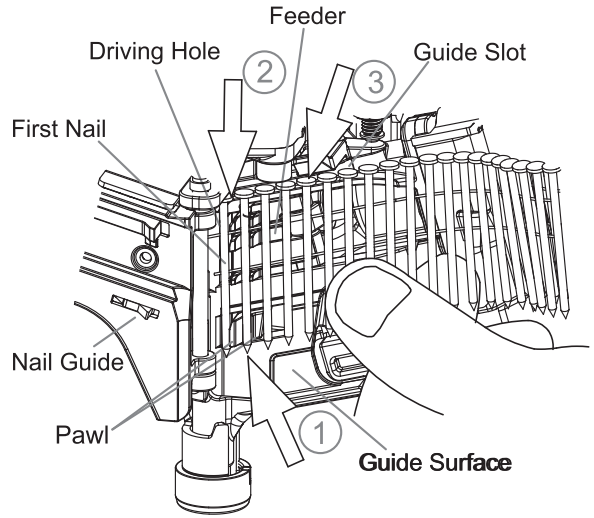




(3) Place the nail coil in the magazine.
Insert the first nail into the magazine opening.



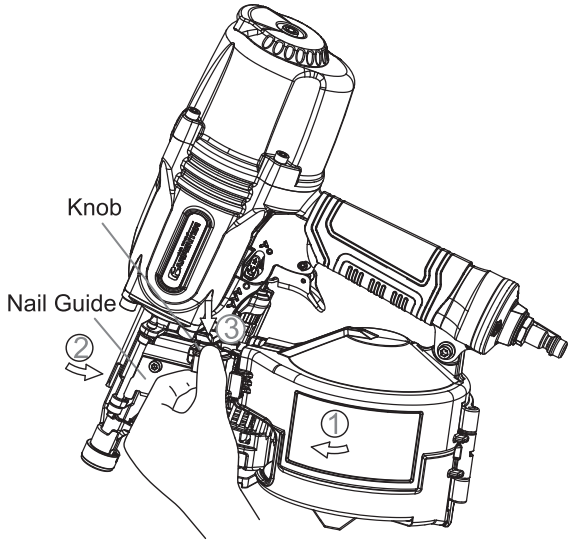
(4) ①Uncoil enough nails to reach the driving hole
②Insert the first nail into the driving hole and the second nail between the two pawls of the feeder.
③Fit the nail heads in the guide slot
④Pulling the nails to the right, swing the nail guide closed.



NOTE: Be careful not to deform the collated wires and not to disengage the nails with the guide surface,otherwise the nail guide may not close correctly.

OPERATING INSTRUCTIONS

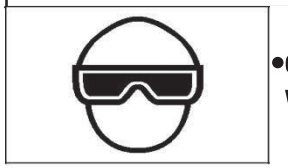
⑸Close the magazine cover.
Pulling the nails to the right, swing the nail guide closed.
⑹ Grip the nail guide and knob with finger.
⑺ Lock the knob completely.



NAILER OPERATION

Read section titled “SAFETY”(pages 4 – 6).

⚠ DANGER



•Operators and others in work area MUST wear safety glasses with side shields which conforms to ANSI Z87.1 specifications.

⚠ WARNING

- **NEVER point tool at yourself or others in work area.**
- **Keep fingers AWAY from trigger when not driving nails to avoid accidental firing.**
- **Choice of triggering method is important. Please read and understand.**

“METHODS OF OPERATION” found below.

- **Never place your hands or feet closer than 8 inches (200 mm) from firing head when using.**
- **Do not drive nails on top of other nails or with Nailer at too steep of an angle; nails can ricochet and hurt someone.**
- **In order to avoid double fire or unwanted ejection of a nail due to bouncing of the Nailer.**
  ①Do not push Nailer on workpiece with strong force;
  ②Take Nailer away from workpiece using recoil;
  ③Release trigger quickly when performing trigger fire.

- **Do not drive nails into thin boards or near corners and edges of workpiece. Nails can be driven through or away from workpiece and hit someone.**
- **Never drive nails from both sides of a wall at the same time. Nails can be driven into and through the wall and hit a person on the opposite side.**
- **Never use Nailer which is defective or operating abnormally.**
- **Do not use Nailer as hammer.**
- **Disconnect air hose from Nailer when:**

①It is not in use;
②Leaving work area;
③Moving it to another location; and handing it to another person.

This Carpenter nailer has a STANDARD CONTACT TRIP MECHANISM (Bounce Fire). An OPTIONAL SEQUENTIAL TRIP MECHANISM kit (SINGLE SHOT) is available.

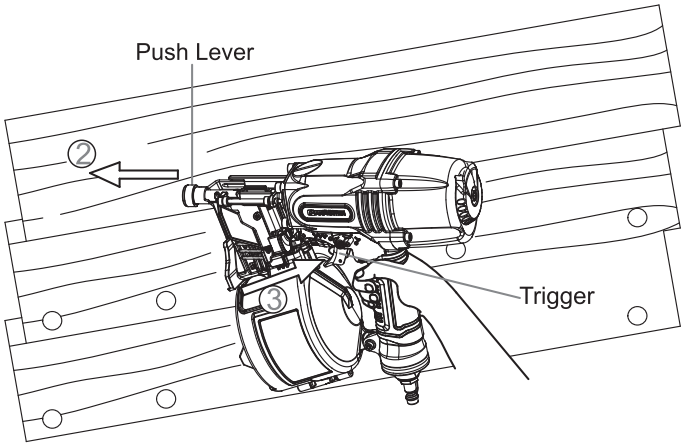
THE STANDARD CONTACT TRIP MECHANISM (Bounce Fire) is for use where rapid fastener placement is desired and must be operated in accordance with the following “Methods of Operation”.

METHODS OF OPERATION

This Nailer is equipped with the push lever and does not operate unless the push lever is depressed (upward position).
There are two methods of operation to drive nails with this Nailer.

They are:
1.Intermittent operation (Trigger fire):
2.Continuous operation (Push lever fire):

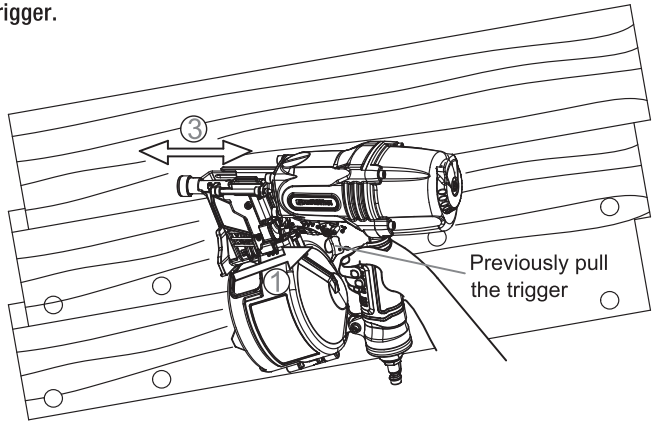
⑴ Intermittent operation (Trigger fire)
①Position the nail outlet on the workpiece with finger off the trigger.
②Depress the push lever firmly until it is completely depressed.
③Pull the trigger to drive a nail.
④ Remove finger from the trigger.
To drive another nail, move the Nailer along the workpiece and repeat this procedure.



(2) Continuous operation (Push lever fire)

① Pull the trigger with the Nailer off the workpiece.
② Depress the push lever against the workpiece to drive a nail.
③ Move the Nailer along the workpiece with a bouncing motion.
④ Each depression of the push lever will drive a nail.

As soon as the desired number of nails have been driven, remove your finger from the trigger.



⚠WARNING

- **Keep your finger off the trigger except during fastening operation, because serious injury could result if the push lever accidentally contacts you or others in work area.**
- **Keep hands and body away from the discharge area. The nailer with contact trip mechanism may bounce from the recoil of driving a fastener and unwanted subsequent fastener may be driven, possibly causing injury.**
- **Some types of loaded nails can spark out of the muzzle during a nail driving operation. Exericise caution!**

THE OPTIONAL SEQUENTIAL TRIP MECHANISM (SINGLE SHOT PARTS) is for use where precision fastener placement is desired and must be operated in accordance with the following “Method of Operation”.

You must first depress the push lever (upward position) where you wnat to drive a nail and then pull the trigger. After the each nail is driven, completely release the trigger and lift the tool off the work surface. An OPTIONAL SEQUENTIAL TRIP MECHANISM may reduce the possibility of bodily injury to you or others in the work area. This is because it is less likely to drive an unwanted nail if you keep the trigger pulled and accidentally bump the push lever against yourself or others. An OPTIONAL SEQUENTIAL TRIP MECHANISM may also reduce the speed of operation compared to the standard contact trip mechanism.

NOTE:

Both STANDARD CONTACT TRIP MECHANISM and OPTIONAL SEQUENTIAL TRIP MECHANISM are safe if used as described above and accroding to all warnings and instructions.

Always handle nails and package carefully.

If dropped, the collated nails may break or come loose. In such cases, do not use the nails because, if used in that condition, nail feed may become faulty and result in missed nails or jamming of the nails.

After nailing:

(1) Disconnect air hose from the Nailer;
(2) Remove all nails from the Nailer;
(3) Supply a few drops (approximately 2 cc (.12 in^3)) of iubricant into the air plug on the Nailer;
(4) Open the petcock on the air compressor tank to drain any moistures.

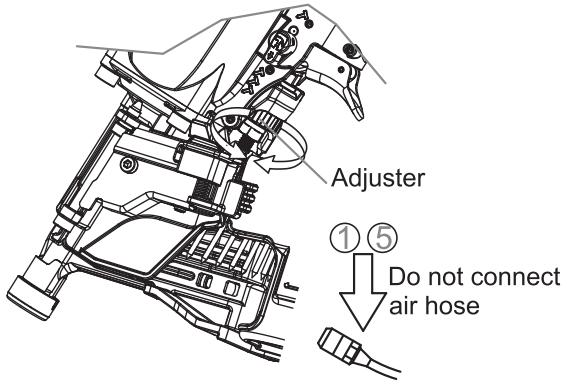
ADJUSTING THE NAILING DEPTH

To assure that each nail penetrates to the same depth,be sure that:

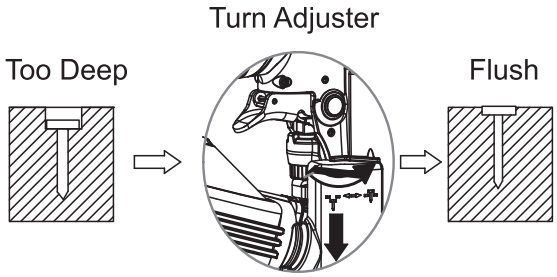
⑴ The air pressure to the Nailer remains constant(regulator is installed and working properly).

⑵The Nailer is always held firmly against the workpiece.adjust the nailing in the following order.

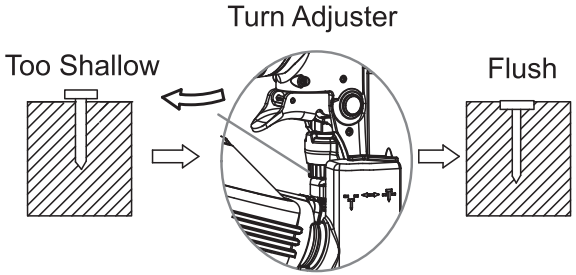
①DISCONNECT AIR HOSE FROM NAILER.



②If nails are driven too deep,turn the adjuster to the shallow side.
Adjustments are in half-turn increments.

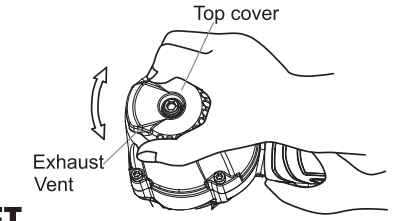


If nails are driven too shallow,turn the adjuster to the deep side.



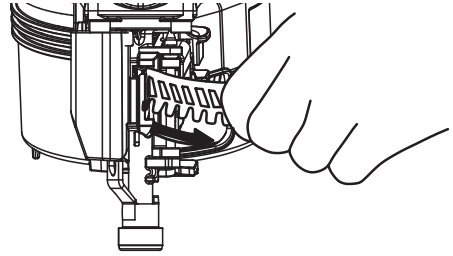
CHANGING THE EXHAUST DIRECTION

The direction of the exhaust vent can be changed by turning the top cover



CUTTING OFF THE SHEET

Tear off the output sheet in the direction of the arrow when using the sheet collated nails.



USING THE NOSE CAP

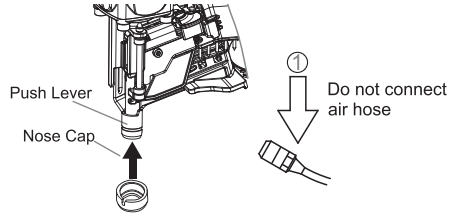
If you like to protect the surface of workpiece against scratches or markings made by the push lever, attach the accessory nose cap to the push lever.

①DISCONNECT AIR HOSE FROM NAILER.

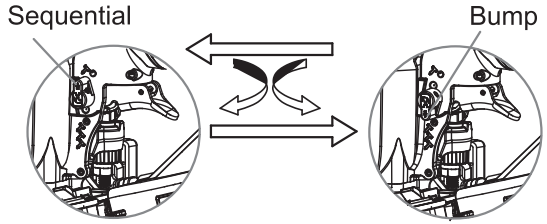
②Put the nose cap to the toe of the push lever.

NOTE:

●The nose cap may reduce nailing depth due to its thickness .Re-adjustment of nailing depth is required.



Change the Method Of Operation



MAINTENANCE

NOTE: The information contained in this Manual is designed to assist you in the safe maintenance of the Nailer.

Some illustrations in this Manual may show details or attachments that differ from those on your own Nailer.

MAINTENANCE AND INSPECTION

Read section titled "SAFETY" (pages 4 – 6).

⚠WARNING

Disconnect air hose and remove all nails from Nailer when doing maintenance and inspection and clearing a jam.

1. Clearing a jam

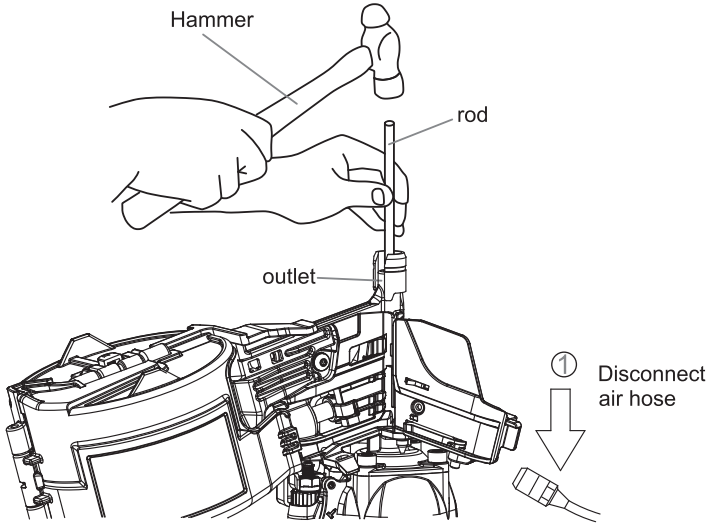
Remove a jammed nail in the following order:

(1) DISCONNECT AIR HOSE.

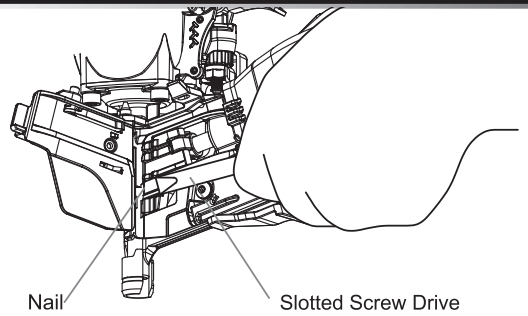
(2) Open the nail guide.

Insert a rod into the outlet.

Tap the rod with a hammer.



Remove the jammed nail with a slotted screw driver.



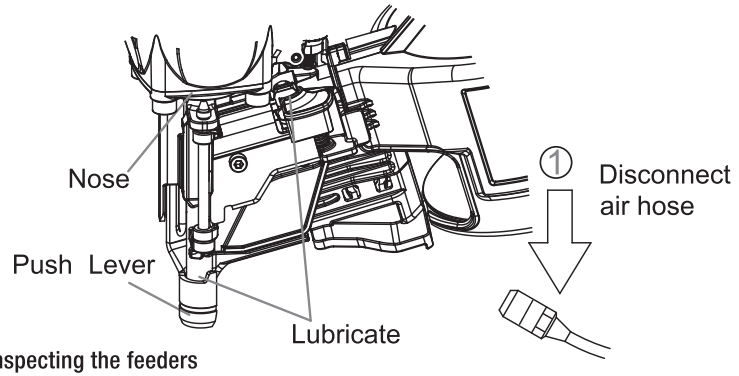
(3) Cut the deformed collated wire with nippers. Correct the deformation. In case of frequent jam, contact Canpenter authorized service center.

2. Inspecting the push lever

(1) DISCONNECT AIR HOSE.

(2) Clean the push lever sliding part.

Lubricate it with lubricant.

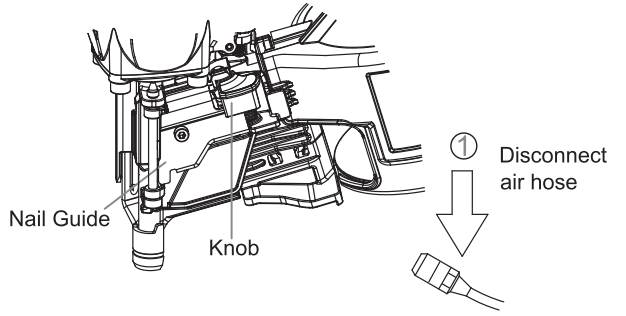


3. Inspecting the feeders

(1) DISCONNECT AIR HOSE.

(2) Clean the knob sliding part.

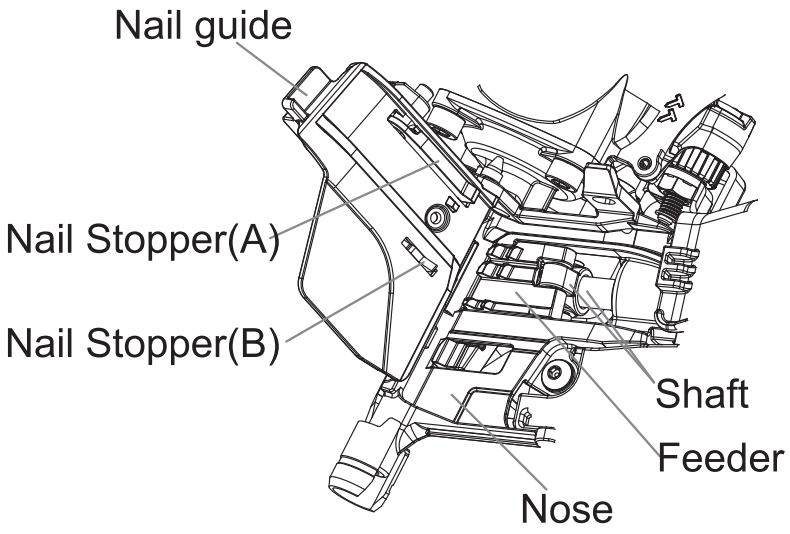
Lubricate it with lubricant.



Open the nail guide and remove dust. Lubricate the sliding groove of the feeder and shafts.

⚠ CAUTION

Check that nail stopper (A) and nail stopper (B) slide smoothly by pusing them with finger. If not smooth, nails can be driven at an irregular angle and hurt someone.

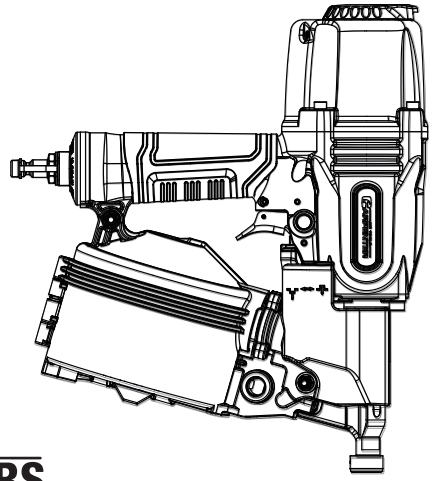


Lubricate the feeding surfaces of the nose and the nail guide after cleaning. This promotes smooth operation and prevents rust.

4. Inspecting the magazine
   (1) DISONNECT AIR HOSE.
   (2) Clean the magazine. Remove dust or wooden tips which may have accumulated in the magazine.

5. Storing
   When not in use for an extended period, apply a thin coat of the lubricant to the steel parts to avoid rust.
   Do not store the Nailer in a cold weather environment. Keep the Nailer in a warm area.
   When not in use, the Nailer should be stored in a warm and dry place.
   Keep out of reach children.

6. WARNING LABEL
   Change the WARNING LABEL if missing or damaged. A new WARNING LABEL is available from a Carpenter authorized service center.



Warning Label

SERVICE AND REPAIRS

⚠WARNING

Only service personnel trained by Carpenter, distributor or employer shall repair the Nailer. Use only parts supplied or recommended by Carpenter for repair.

All quality Nailers could eventually require servicing or replacement of parts because of wear from normal use.
NOTE: Specifications are subject to change without any obligation on the part of Carpenter.

Maintenance chart (See page 26)
Operator troubleshooting (See page 26)

MAINTENANCE

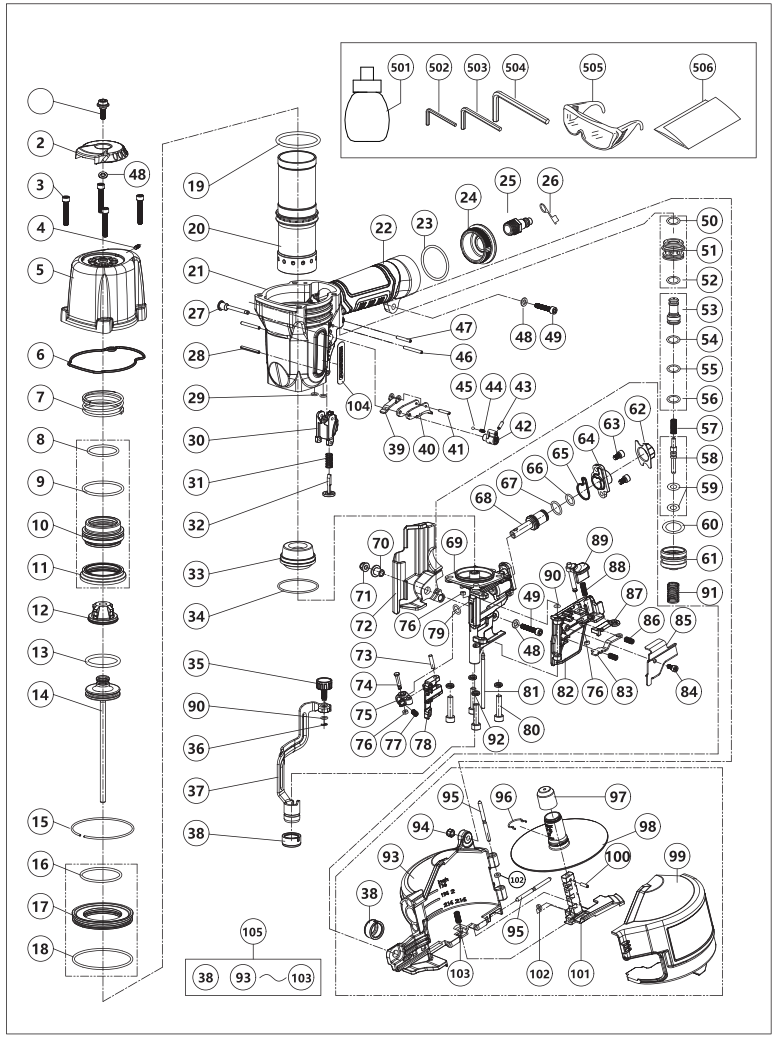
Maintenance chart

ACTION	WHY	HOW
Drain air line filter daily.	Prevent accumulation of moisture and dirt.	Open manual petcock.
Keep lubricator filled.	Keep the Nailer lubricated.	Fill with lubricant.
Clean filter element-then blow air through filter in direction opposite to normal flow.	Prevent clogging of filter with dirt.	Follow manufacturer's instructions.
Clean magazine and feeder mechanism.	Prevent a jam	Blow clean daily
Keep push lever working properly.	Promote operator safety and efficient Nailer operation.	Blow clean daily
Lubricate the Nailer after nailing	Extend the Nailer life.	Supply 2-3 drops of lubricant into the nailer
Drain air compressor.	Keep the Nailer operate properly.	Open petcock on air compressor tank.

Operator troubleshooting

Most minor problems can be resolved quickly and easily using the table below.
If problems persist,contact a Carpenter for assistance.

PROBLEM	POSSIBLE CAUSES	SOLUTIONS
Nailer operates,but no nail is driven	Check for a jam.	Clear a jam per page 22
	Check function of feeder per page15.	Clean and lubricate.
	Check for proper nails.	Use only recommended nails.
Weak drive. Slow to cycle.	Check air pressure.	Increase air pressure.(Do not exceed 120 psi(8.3bar 8.5kg/cm2)
	---	Use the lubricant.
	Driver blade worn	Contact Carpenter for replacement.
	Piston O-ring worn or damaged	
Drives too deep	Check air pressure.	Reduce air pressure.(Adjust 70-120psi)
Skipping nails. Intermittent feed.	Check for proper nails.	Use only recommended nails.
	Check function of nail feeder per page 15.	Clean and lubricate.
	---	Use lubricant.
	Check position of nail holder in manazine per page11.	Adjust nail holder to proper position.
	Piston O-ring cut or heavily worn	Contact Carpenter for replacement.
Nails jam Driven nail is bent.	Check for proper nails.	Use only recommended nails.
	Driver blade worn	Contact Carpenter for replacement.
Drives properly during normal operation,but does not drive fully at faster nailing speeds.	Check inside diameter of air hose.	Use larger air hose.



No.	Description	Qty.
1	Hex. Socket	1
2	Top Cover	1
3	Hex. Socket HD. Bolt M5x30	4
4	Hex. Socket HD. Bolt M5x10	
5	Exhaust Cover	1
6	Gasket	1
7	Spring	
8	O-ring 32.6*2.5	1
9	O-ring 43*2.65	1
10	Head Cap	1

No.	Description	Qty.
11	swtich valve sealing	1
12	spring seat	1
13	O-ring 34.5*3.55	
14	Piston	1
15	Ratchet Spring	1
16	O-ring 44.5*2.5	1
17	Cylinder Plate	
18	O-ring 63.6*2.5	1
19	O-ring 45*3.55	1
20	Cylinder	1

No.	Description	Qty.
21	Gunbody	1
22	Grip Rubber	1
23	O-ring 36.5*2.65	1
24	End cap	1
25	Air inlet plug 3/8"	1
26	Dust Cap	1
27	shift rod	1
28	Roll Pin 3*28	2
29	O-ring 5.15*1.5	2
30	guide holder	1
31	Sping	1
32	Plunger	1
33	Piston Bumper	1
34	O-ring 40.5*2	1
35	Adjusting screw	1
36	Rock pin 3	1
37	Pushing Lever	1
38	Tip sleeve	2
39	Safety Guard	1
40	Trigger	1
41	pin 2.5*16	1
42	Shift knob	1
43	pin 3*10	1
44	Spring	1
45	steel ball DW=4	1
46	pin 3*30	1
47	pin 3*22	1
48	Washer D=5	3
49	Hex.Socket HD.Bolt M5x25	2
50	O-ring 14*1.8	1
51	Valve Bushing	1
52	O-ring 16*1.6	1
53	sleeve	1
54	O-ring 6.1*1.8	1
55	O-ring 6.4*2	1
56	O-ring 9*1.8	1
57	Swtich spring	1
58	Trigger Plunger	1
59	O-ring 2.4*1.6	2
60	O-ring 20*1.8	1
61	Trigger Valve Bushing	1
62	Magazine Bushing	1
63	Hex.Socket HD.Bolt M5x10	2
64	Feed Piston Cover	1
65	Gasket	1
66	O-ring 11.2*1.8	1
67	o-ring 14.2*1.9	1

No.	Description	Qty.
68	Feed Piston	1
69	Nose	1
70	Sleeve	1
71	Nut M5	1
72	Driver guide cover	1
73	Roll Pin	1
74	Feeder Shaft	1
75	Feeder seat	1
76	Shaft	3
77	Feeder Spring	1
78	Feeder	1
79	O-ring 8.75*1.8	1
80	Hex. Socket HD.Bolt M6x25	4
81	Nail Guide Shaft	1
82	Nail Guide Cover	1
83	Nail Stopper	1
84	Hex. Socket HD.Bolt M4x10	1
85	Nail Guide Cover	1
86	Spring	2
87	Main Nail Stopper	1
88	Spring	1
89	Guide Lock	1
90	O-ring 4*1.8	2
91	Spring	1
92	washer(6)	4
93	Magazine	1
94	I-Nut M5	1
95	Pin	2
96	Ratchet Spring	1
97	Holder Cap	1
98	Nail Holder	1
99	Magazine Cover	1
100	Roll Pin 3*12	1
101	Holder Shaft	1
102	Feeder Shaft Ring	2
103	Spring	1
104	Label	2
105	Magazine	
501	Oil pot	1
502	Hex M4/3mm	1
503	Hex M5/4mm	1
504	Hex M6/5mm	1
505	Safety glasses	1
506	Manual	

PARTS LIST