

Instruction Manual

NINJA CEILING FASTENING TOOL

NJ-100
NJ-125



WARNING!

DO NOT OPERATE THE TOOL UNTIL YOU HAVE READ THIS TOOL TRAINING
MANUAL AND EDUCATION HAS BEEN RECEIVED ACCORDING TO
ANSI STANDARD A 10.3-1995.
READING AND FOLLOWING THIS INSTRUCTION MANUAL CAN HELP
AVOID SERIOUS INJURY OR DEATH.



WARNING!

NINJA TOOL IS TO BE USED ONLY BY LICENSED OPERATORS. YOU MUST HAVE A LICENSE BEFORE OPERATING IT. YOU MAY COMPLETE THE ENCLOSED EXAM SUCCESSFULLY AND RETURN IT TO GET A TOOL OPERATOR'S CARD THAT WILL BE ISSUED TO YOU, AND ALSO ACTIVATE YOUR WARRANTY. OPERATOR'S LICENSE CAN ALSO BE OBTAINED DIRECTLY AT: www.bpfasteners.com

PRIOR TO OPERATING THE NINJA TOOL, PLEASE STUDY THIS MANUAL CAREFULLY AND DEVELOP A THOROUGH UNDERSTANDING OF THE CONTENTS. PROPER TRAINING ACCORDING TO THE CURRENT ANSI STANDARD A 10.3, SAFETY REQUIREMENTS FOR POWDER ACTUATED FASTENING SYSTEMS MUST BE COMPLETED AND A BLUEPOINT FASTENERS QUALIFIED OPERATOR CARD MUST BE OBTAINED PRIOR TO OPERATION OF THE TOOL. STATE, LOCAL, OR OTHER REGULATIONS SHOULD ALSO BE FOLLOWED. LAWS, REGULATIONS, AND STANDARDS REGARDING THE USE OF POWDER ACTUATED TOOLS MAY PERIODICALLY BE REVISED WITHOUT NOTICE. ANY SUCH REVISIONS MAY CHANGE THE SAFETY AND OPERATING PROCEDURES DESCRIBED IN THIS MANUAL. BLUEPOINT FASTENERS IS NOT RESPONSIBLE FOR ANY SUCH REVISIONS WHICH OCCUR AFTER PUBLICATION OF THIS MANUAL. IT IS THE RESPONSIBILITY OF THE USER TO MAINTAIN ALL KNOWLEDGE OF THE LAWS, REGULATIONS, AND STANDARDS THAT APPLY TO POWDER ACTUATED TOOLS.

WARRANTY

Bluepoint warranty assures that the supplied tool is free of defects in workmanship or material. Validity of this warranty is applied as long as the tool is handled and operated correctly, serviced and cleaned properly in accordance with the Bluepoint Instruction Manual and only if original Bluepoint components, consumables and spare parts or other equivalent quality products are used. Parts requiring replacement or repairs as a result of normal wear and tear are not covered under this warranty.

All warranties or products described herein, expressed or implied, including the warranties of merchantability or fitness for a particular purpose, are specifically excluded, with the following exceptions: Bluepoint Fasteners will repair or replace, at its option, any tool, part or element holding that, within 90 days after the sale, only if Bluepoint is found to be responsible for a defective part in material or workmanship, excluding normal wear.

All additional claims are excluded, specifically, Bluepoint is not obligated for direct, indirect, incidental or consequential damages, losses or expenses in connection with, or by reason of, the use of, or inability to use the tool for any purpose.

THIS IS THE ONLY WARRANTY AND REMEDY BLUEPOINT HAS AVAILABLE AND IS IN NO EVENT LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR ANY OTHER DAMAGES.

DANGER! TO AVOID SERIOUS INJURY OR DEATH:

NEVER PLACE YOUR HAND AT THE END OF THE FASTENER GUIDE OF THE NINJA TOOL. OPERATORS AND BYSTANDERS AROUND THE TOOL BEING USED MUST USE EYE AND EAR PROTECTION. ALWAYS ASSUME THAT THE TOOL IS LOADED WITH A LOAD. NEVER PLACE YOUR FINGERS ON THE TRIGGER OF THE LOADED OR UNLOADED TOOL UNTIL THE TOOL FASTENER GUIDE IS AGAINST THE WORK BASE AND YOU ARE READY TO DO A FASTENING. IF THE TOOL ACCIDENTALLY SHOOTS HIS/HER HAND OR ANY PART OF THE BODY, THE PISTON CAN ENTER THE BODY AND CAUSE SERIOUS INJURY OR DEATH. IT IS VERY IMPORTANT THAT THE OPERATOR OF THIS NINJA TOOL READS AND UNDER STANDS THE ENTIRE MANUAL AND COMPLETES THE OPERATORS EXAM WITH A 100% GRADE. THE WARRANTY DOES NOT APPLY UNTIL BLUEPOINT FASTENERS RECEIVES A COPY OF OPERATORS EXAM AND A COPY OF YOUR RECEIPT WHEN THE TOOL WAS PURCHASED.

Always keep this instruction manual together with the tool and ensure that they are handed over together to any other operator.

GENERAL INFORMATION

General information

Explanation of Terminology

WARNING

The word WARNING is used to emphasize a **potentially dangerous situation which could lead to severe personal injury or death.**

CAUTION

The word CAUTION is used to emphasize a **potentially dangerous situation which could lead to minor personal injury or damage to the equipment or other property.**

Graphic Symbols

	General Warning
	Read Instructions Before Use
	Use Safety Helmet
	Use Eye Protection
	Use Ear Protection
	WARNING! Hot Surface





SAFETY PRECAUTION



1. General Safety Instructions

The following points must be strictly observed at all times, in addition to the specific safety precautions listed in the individual sections.

2. Use as recommended

The tool is designed for use only by professionals in the construction industry for fastening applications where threaded studs, drive pins or composite fasteners are driven into steel, concrete or block masonry.

3. Inappropriate use

- Modification or manipulation of the tool is not permitted.
- Unless the tool is approved for such use, it should not be used in a flammable or an explosive environment.
- Use only BLUEPOINT fasteners, cartridges, accessories or spare parts of equivalent quality to avoid risk of injury.
- Strictly follow the instructions for operation, care and maintenance given in the Instruction Manual.
- The tool should never be pointed at self or any bystander.
- The muzzle of the tool should never be pressed against a hand or any body part.
- The nails are NOT to be driven into materials such as marble, natural rock, glass, copper, brass, bronze, plastic, insulation materials, hollow brick, glazed tile, thin sheet metal (<4 mm), grey cast iron, spheroidal cast iron or gas concrete.
- The tool and its accessories may be hazardous if used improperly by an unauthorized person.

4. Workplace safety

- Avoid unergonomic body postures.
- Hazardous objects should be removed from the work area.
- The tool is only for hand-held use.
- Other bystanders, particularly children, should not be allowed in the work area.
- Make sure nobody is behind or below the point where the fastener is to be driven.
- The tool grip should always be kept free of oil or grease.

5. Basic safety precautions

- Operate the tool only in good condition and only as directed.
- Use the spall guard / stabilizer when required.
- If the cartridge fails to ignite or misfires, please do the following:
 - Hold the tool against the working surface for 10 seconds.
 - If the cartridge still fails to fire, withdraw the tool from the working surface making sure it is not pointed towards anybody or yourself.
 - Manually eject cartridge.
- If 2-3 cartridges misfire in succession (or if the fastener is driven with significantly less force), do the following:
 - Immediately STOP using the tool.



SAFETY PRECAUTION



- Check the tool to be sure that the muzzle is clear from any foreign debris. Extend the ejector rod to be sure it moves freely and sets correctly.
- Clean all the parts of the tool.
- If the problem persists, DO NOT use the tool. Have the tool checked / repaired by a Blueprint professional.

- Never try to pry a cartridge from the tool.
- Do not straighten your arms while firing the tool. Keep them flexed.
- Never leave the loaded tool unattended.
- Ensure that the tool is not loaded before servicing, cleaning or replacing parts and before storing it.
- Always store cartridges and tools unloaded, in a dry location, and in a high or locked place, out of children's reach.



6. Temperature

- Do not dismantle the tool when it is hot.
- Never exceed the recommended maximum fastener driving rate. (700 fastenings / hour).

7. Requirements to be met by users (Pre-requisites for users)

- Only authorized, trained professionals should operate, service, and repair the tool. The professional must be informed of any special hazards that may be encountered.

- Operate the tool only if your full attention is on the job.
- Do not use the tool if you feel unwell.

8. Personal Protective Equipment (PPE)

- The operator and all other bystanders must always wear eye and ear protection and a hard hat.



Prior to use



9. Read the Instruction Manual carefully.

10. Inspection of tool

- Ensure that the tool is not loaded.
- Routinely check the tool for damage and ensure that all controls operate properly.

11. Selection of the correct fastener

- Using the wrong fastener for a tool may result in damage to the tool and / or affect fastening quality.



ALWAYS USE THE RECOMMENDED SIZE OF FASTENER FOR THE TOOL.

INTRODUCTION

NINJA is a .22 caliber single shot ceiling tool.

PREPARATION

Suitable Base Materials:

Only the following materials are suitable for Powder-actuated fastening:

- Structural Steel
- Masonry Joints
- Poured Concrete

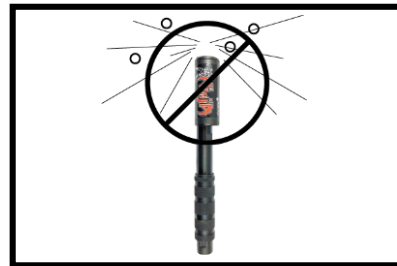
DO NOT try to fasten into any other type of materials. It can cause serious injury.

Unsuitable Base materials that should not be fastened to:

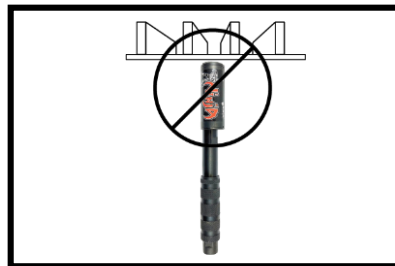
Never try to fasten into very hard or brittle materials such as tile, glass, cast iron or rocks of any kind. These materials can break or shatter causing spill and may cause serious injury to the tool operator and the bystanders.

Never fasten directly to a base material easily penetrated like wood or gypsum board. These types of materials may cause the fasteners to penetrate through to the other side making it dangerous for other people in the work area.

Never fasten into a base material that fails the center punch test. Failure to check the suitability of the base material can cause serious injury to the eyes or other body parts.



Never try to fasten into very hard or brittle materials.



Never fasten directly to a base material easily penetrated like wood or gypsum board.

DAILY FUNCTION TEST

- Always check the tool first to make sure that it does not contain a load or fastener.
- Check the tool to be sure that the muzzle is clear from any foreign debris. Extend the ejector rod to be sure it moves freely and sets correctly.

Center Punch Test



MUST WEAR EYE PROTECTION WHILE PERFORMING THIS TEST.



1. Always check the hardness of the base where you want to fasten.
2. Using a fastener as a center punch, strike the fastener with a hammer against the work surface and check the results.

Center Punch Test Result

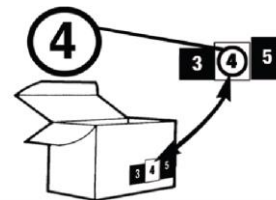
1. The material is too hard for a powder actuated fastening, if the fastener point is flattened.
2. The material is too soft, if the fastener easily penetrates it.
3. The material is too fragile, if the material cracks or shatters.
4. The material is suitable for powder actuated fastening, if the fastener causes a small indentation in the material.

Selection of Loads and Safety

1. Always make a fastening test after ensuring that the base material is suitable to determine the appropriate power level. If excessive power is used, it can overdrive the fastener.



2. All operators must always select the level of the loads by the power level number to avoid the use of incorrect loading.

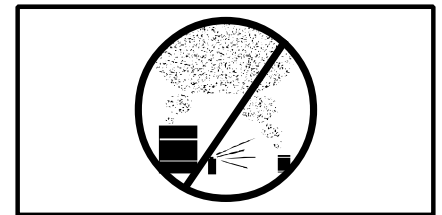


SAFETY AT WORK

1. Operators and bystanders must always wear approved ear and eye protection. Failure to do so can cause serious eye injury from debris, and hearing loss from exposure to constant or repeated noise from the fastening tool.
2. Keep the work area clear of unnecessary materials and bystanders that may interfere with the safe operation of the tool. Operating tool in a congested or disorganized area may affect the ability to operate safely.



3. Never operate the tool when explosive or inflammable materials are close. Powder loads may create sparks when fired and could ignite these materials or vapors.

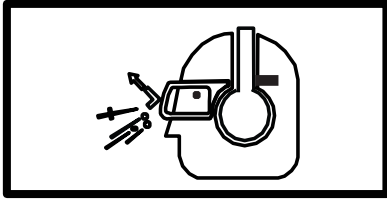


4. Always provide warnings within 50' of the area where fastening is taking place: "CAUTION - Powder Actuated Tool In Use". Failure to warn others can result in serious injury or death to them. Contact your supervisor for this sign.

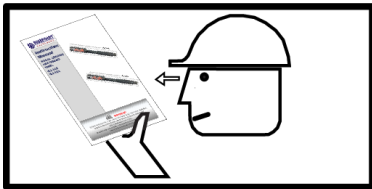
WARNING
POWDER ACTUATED
TOOL IN USE
WITHIN 50 FEET



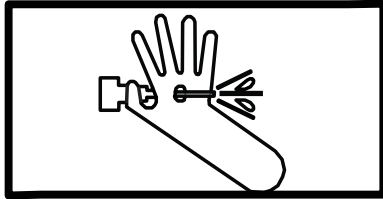
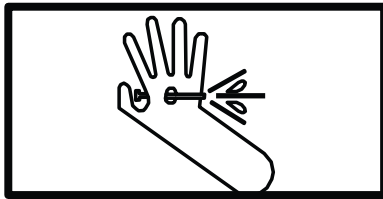
SAFETY PRECAUTION



Tool operators and bystanders must wear ear and eye protection.



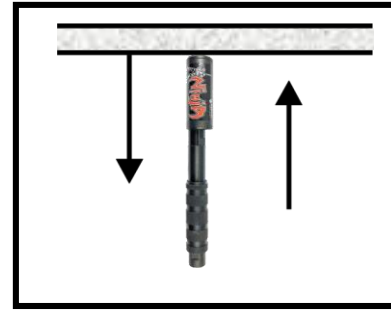
Read the manual thoroughly before operating the tool.



Never keep a hand over fastener loading end of the tool. A serious hand injury may occur from penetration by the drive pin or a discharged fastener.

SAFE HANDLING OF TOOLS

1. Always make sure that the tool is working properly before use. Follow the 'Daily Function Test'. See the example located in the instructions under maintenance section.



2. Always use certified BLUEPOINT loads from a box indicating the type of load, power and number.
3. Always insert a SINGLE load with its crimped end facing the muzzle.

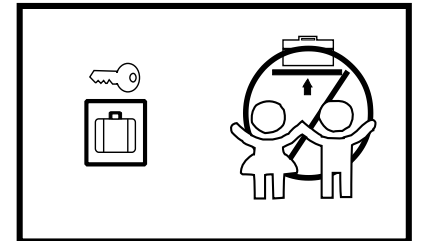


4. Never carry loads in pockets with other loose pins or other objects. Doing so may cause the load to fire.
5. Never load a tool unless you intend to use it immediately. Unattended loaded tool in the workplace may result in its accidental discharge.

6. Never place your hands or any other body part on the tool muzzle. It can cause serious injury from the fastener if the tool is fired accidentally.



7. Always unload the tool and store it along with the loads safely locked in a tool box. Keep the keys away from children and unauthorized persons.



8. Never point the tool at yourself or others.
9. Never carry a loaded tool around the work area.
10. Never allow anyone not trained to use the tool.
11. Never play with the tool.
12. Ensure adequate ventilation at all times. Using the tool in poorly ventilated areas may result in exposure to lead known to cause birth defects, and other physical harm. Wash thoroughly after exposure.


FASTENERS / LOADS

Your Ninja Tool uses only BLUEPOINT fasteners and loads shown below or listed for the tool in the Product Catalog.



ALWAYS USE ONLY THE RECOMMENDED TYPES OF FASTENERS OR LOADS IN THE NINJA TOOL. USE OF OTHER TYPES OF FASTENERS OR LOADS MAY CAUSE UNINTENTIONAL LOAD DISCHARGE, DAMAGE THE TOOL, CAUSE POOR FASTENING PERFORMANCE, OR CREATE A RISK OF SERIOUS INJURY TO THE OPERATOR OR BYSTANDERS.

POWDER LOADS




	Item No.	Description	Size	PowerLevel	Box	Case
	22SL6B	.22cal straight wall single shot loads for the Ninja ceiling tool	5.6*15	6	100	1000
	22SL5B			5	100	1000
	22SL4B			4	100	1000
	22SL3B			3	100	1000

The power level of the load is indicated by the number marked on each box, the color of the box, and the color on the tip of each load. As the number increases, the power level also increases.

Always perform the center punch test described on page 9 to test the base material.

Always make a test fastening using the lowest power level first. If more power is required to set the fastener, use the next higher power level until the power level necessary to drive the fastener is reached.

FASTENERS FOR NINJA TOOLS

	ItemNo.	Description	Box	MasterQty
 PATENT PENDING	NC100G	.307" dia head, slim groove shank NJ pin w/NJ clip	100	1000
	NC100	.307" (7.8mm) dia head, smooth shank NJ pin w/NJ clip	100	1000
	NC125S	.307" (7.8mm) dia head, step shank NJ pin w/NJ clip	100	1000
 PATENTED	N100RH2	.307" (7.8mm) dia head, 1" shank length NJ pin w/1/4" - 20 & 3/8"-16 all thread rod hanger clip	100	500
	N125SRH2	.307" (7.8mm) dia head, 1-1/4" step shank NJ pin with 1/4"-20 & 3/8"-16 all thread rod hanger clip	100	500
 PATENT PENDING	N100G	.307" (7.8mm) dia head, .157" (4mm) dia. shank, 1" slim groove shank length NJ pin	100	1000
	N100	.307" (7.8mm) dia head, smooth shank NJ pin	100	1000
	N125S	.307" (7.8mm) dia head, step shank NJ pin	100	1000

TECHNICAL SPECIFICATIONS

Ninja

Tool Length	NJ-100	292 mm
	NJ-125	297 mm
Tool Weight	NJ-100	2.40 lbs
	NJ-125	2.45 lbs
Load Caliber	.22 caliber single shot (Red, Yellow, Green and Brown)	
Firing Action	Manual	
Fastener Capacity	1" to 1-1/4"	

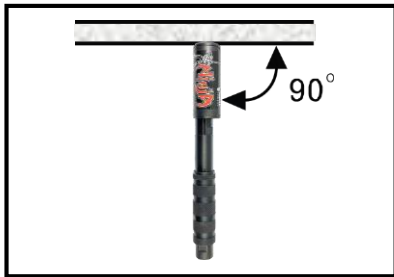


FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN INJURY TO THE TOOL OPERATOR OR BYSTANDERS



FASTENER DRIVING SAFETY

1. Use this tool **ONLY** to fasten into a recommended base material.
2. **DO NOT** fire the tool without a fastener. If the tool is fired without a fastener, the piston can hit the work surface causing serious injury to you and bystanders.
3. Always use the tool firmly and perpendicular to the work surface and keep your hand flexed before firing. Otherwise the fastener may ricochet causing injury.



4. Never drive a fastener close to the edge of the base material. See installation page.

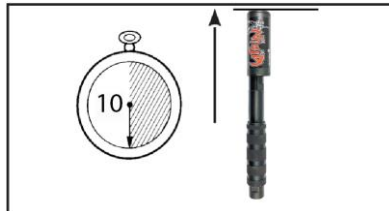


MISFIRE PROCEDURE



ALWAYS FOLLOW THE MISFIRE PROCEDURE.

If the tool does not fire after depressing the tool, continue to hold the depressed tool against the work surface for at least 10 seconds. Then carefully open the tool, remove the load and put it in a can of water or other non-flammable liquid. **Never discard the load into a dumpster.**



If the tool becomes stuck or jammed with a powder charge, point the tool in a safe direction and label it immediately with "DANGER – DO NOT USE – DEFECTIVE". Lock the tool in a box and contact your local dealer for assistance from BLUEPOINT.

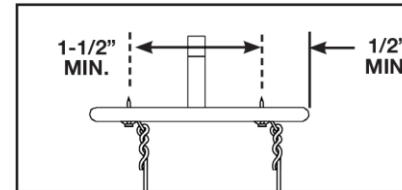
FASTENING APPLICATIONS

Your BLUEPOINT tool can be used for a wide range of fastening needs in a variety of base materials. Reading and follow these important fastening guidelines will help you get the best results from your tool, fasteners, and powder loads, as well as help you perform these fastening operations safely and effectively.

Powder actuated fastenings are permanent fastening so attempting to remove a fastener from concrete or steel may result in serious injury.

Fastening to Steel

Your BLUEPOINT tool can be used for fastening on the flat surfaces of structural steel. When fastening into steel, always maintain a minimum spacing of 1-1/2" between fastenings and 1/2" from any edge.

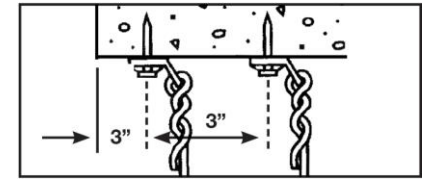


SPACING IN STEEL

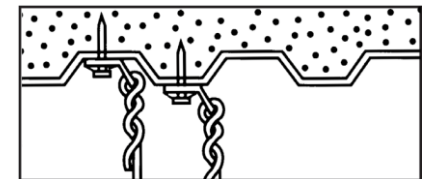
Fastening to Concrete

When fastening into concrete, always maintain a minimum spacing of 3" between fastenings and 3" from any free edge. Concrete thickness should be at least three times the intended penetration depth into the concrete.

Driving fasteners too close to an edge or too close to each other can cause the concrete edge to fail or fasteners to fly free.



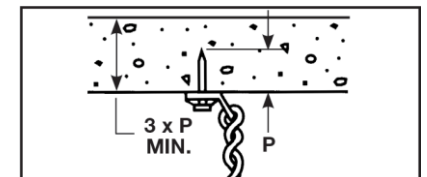
SPACING — FASTENING INTO CONCRETE



FASTENER LOCATIONS IN LIGHTWEIGHT PAN DECK



FASTENER LOCATION IN PRECAST CONCRETE

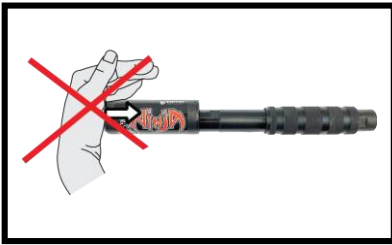


PENETRATION INTO CONCRETE

OPERATING INSTRUCTIONS



NEVER PLACE YOUR HANDS OR ANY OTHER BODY PART ON THE TOOL MUZZLE.



DAILY FUNCTION TEST

- Always check the tool first to make sure that it does not contain a load or fastener.
- Check the tool to be sure that the muzzle is clear from any foreign debris. Extend the ejector rod to be sure it moves freely and sets correctly.

OPERATING THE NINJA TOOL

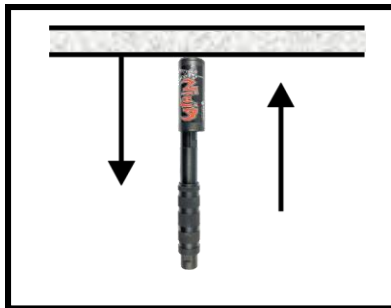
1. Insert a round into the top of the Ninja tool, then proceed to install the pin clip into the barrel. **Always insert a SINGLE load with its crimped end facing the muzzle.**



2. Insert a fastener assembly into the muzzle bushing end of the tool. Be sure it is positioned in the Ninja correctly.



3. Carefully raise the tool to the ceiling. Hold the tool perpendicular and forcibly push upwards on the pole handle to impact tool into the work surface where the fastener is intended to be installed.

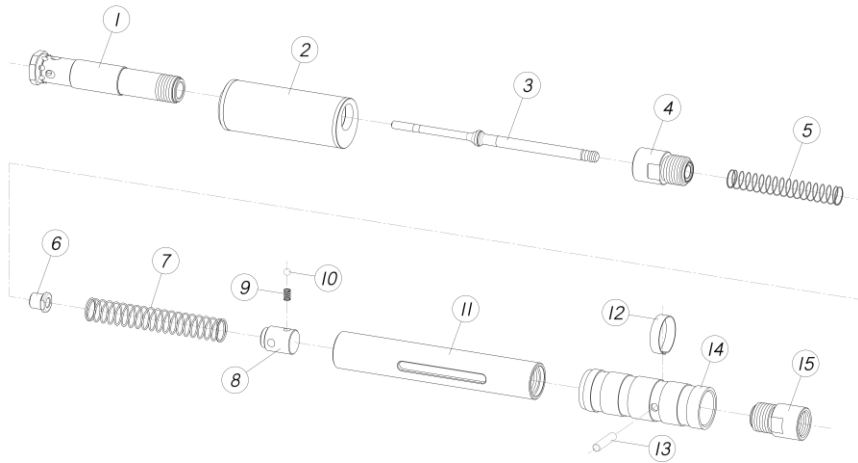


If the tool does not fire, continue to hold it in place for at least 10 seconds and then follow the misfire procedure on page 12. Always point the tool in a safe direction and use care when raising it to the ceiling to avoid bumping objects that could cause the tool to fire.

MAINTENANCE

NINJA TOOL SCHEMATIC

NJ-100 / NJ-125



NJ-100			NJ-125	
No.	Part No.	Description	No.	Part No.
1	NJP1/100	Barrel	1	NJP1/125
2	NJP2/100	Gas expansion cylinder	2	NJP2/125
3	NJP3	Ejector	3	NJP3
4	NJP4	Connector	4	NJP4
5	NJP5	Ejector pin spring	5	NJP5
6	NJP6	Ejector pin spring retainer	6	NJP6
7	NJP7	Ejector sleeve spring	7	NJP7
8	NJP8	Ejector holder	8	NJP8
9	NJP9	Spring	9	NJP9
10	NJP10	Ball (ø5mm)	10	NJP10
11	NJP11	Tube	11	NJP11
12	NJP12	Annular spring	12	NJP12
13	NJP13	Stop Pin	13	NJP13
14	NJP14	Ejector sleeve	14	NJP14
15	NJP15	Pole adapter	15	NJP15

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	POSSIBLE REMEDIES
Overdriving of fasteners	<ul style="list-style-type: none"> Excessive power Soft base material 	<ul style="list-style-type: none"> Change to the next lower power level load color and number. Check base material (see page 6)
Tool fails to fire	<ul style="list-style-type: none"> Failure to depress completely Excessive dirt buildup on breech face not allowing proper penetration of firing pin Firing pin and/or firing pin assembly damaged <p>WARNING Never attempt to pry a cartridge from the tool</p>	<ul style="list-style-type: none"> See "Tool does not completely depress" After following misfire procedure, check firing pin indentation on load. Clean breech face. Replace damaged parts
Tool does not completely depress	<ul style="list-style-type: none"> Misassembled or damaged parts 	<ul style="list-style-type: none"> Check all parts in the receiver for damage or improper assembly.
Reduction or loss of power	<ul style="list-style-type: none"> Piston not being returned to the full rear position Worn or damaged piston 	<ul style="list-style-type: none"> Disassemble and clean barrel, piston and nosepiece Replace damaged piston
Tool fails the Daily Function Test		<ul style="list-style-type: none"> Contact your Bluepoint Distributor for assistance



SAFETY PRECAUTION

- 1. Read the manual before using the tool.**
- 2. Never put your hand over the nose piece or compress with your hand.**
- 3. Never point the tool at yourself or bystanders.**
- 4. Only adults that are certified and qualified, may operate the NINJA tool.**
- 5. Always unload the tool prior to cleaning or maintenance.**
- 6. Do not operate the tool in an explosive or flammable atmosphere.**
- 7. When fastening, if the cartridge does not fire, hold the tool in place for at least 30 seconds.**
- 8. While removing the pin from an unfired tool, always keep the tool aimed away from yourself and others.**



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