

Instruction Manual BP-302A



WARNING!

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



WARNING!

BP-302A 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 **BP-302A** 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 **BP-302A** 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 **BP-302A** TOOL READS AND UNDERSTANDS THE ENTIRE MANUAL AND COMPLETES THE OPERATOR'S 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, nails or composite fasteners are driven into steel, concrete or sand-lime 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.
- If the cartridge fails to ignite or misfires, please do the following:
 - Hold the tool pressed against the working surface for 30 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 advance by one cartridge and use the remaining cartridges on the strip.
- If 2-3 cartridges misfire in succession (without making any audible firing noise and if the fastener is driven with significantly less force), do the following:
 - Immediately STOP using the tool.
 - Dismantle the tool.



SAFETY PRECAUTION



- Ensure that the correct combination of piston, fastener guide, and fasteners are used.
- Check the piston and fastener guide / magazine and replace the worn-out parts if necessary.
- Clean all the parts of the tool.
- If the problem persists, DO NOT use the tool. Have the tool checked / repaired by a Bluepoint professional.

- Never try to pry a cartridge from the magazine strip or 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 unused 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. Stop if the plastic cartridge strip melts. Allow the tool to cool down.

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

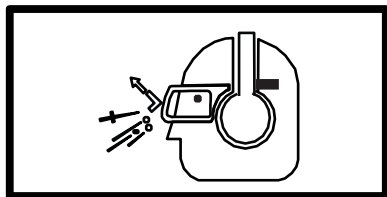
- Ensure that the tool is not loaded.
- Routinely check the tool for damage and ensure that all controls operate properly.
- Check the piston for wear (see table on last page of these instructions).

11. Selection of the correct fastener guide / piston / fastener combination

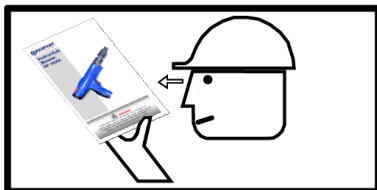
- Using the wrong combination may result in damage to the tool and / or affect fastening quality.



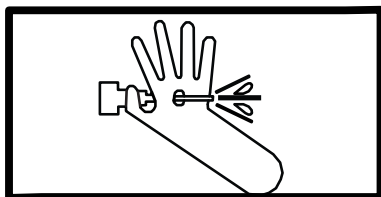
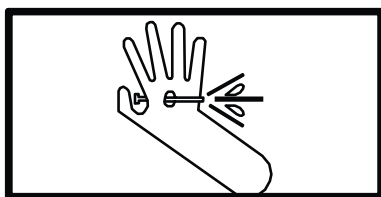
SAFETY PRECAUTION



Tool operators and bystanders must wear ear and eye protection.



Read the manual thoroughly before operating the tool.



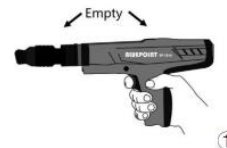
Never keep a hand over fastener loading end of the tool. A serious hand injury may occur from penetration by the piston or a discharged fastener.

DAILY FUNCTION TEST

- Always check the tool first to ensure that it does not contain a strip or fastener.
- Try the tool repeatedly pressing the muzzle bushing completely on a hard surface and by pulling the trigger. You should hear an audible clicking sound while when the trigger is pulled. Let up on the tool and make sure the barrel is open to semi-open position.

SAFE HANDLING OF TOOLS

1. Always make sure that the tool is working properly before use. Follow the Daily Function Test. Fig. 1-4.



①



②



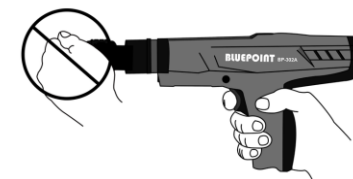
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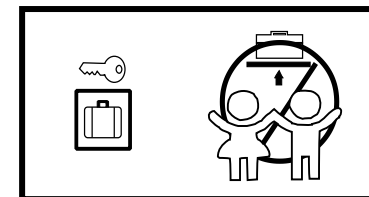
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2. Always use certified BLUE POINT loads from a box indicating the type of load, power and number. Never attempt to use unknown power loads.
3. Never carry loads in pockets with loose pins or other objects. Doing so may cause the load to fire.
4. Never load a tool unless you intend to use it immediately. Unattended loaded tool in the workplace may result in its accidental discharge by others.

5. Never place your hands or any other body part on the loading end of the tool. It can cause serious injury by the fastener or piston if the tool is fired accidentally.



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



7. Never point the tool at yourself or others.
8. Never carry a loaded tool around the work area.
9. Never play around with the tool.
10. Using or cleaning tools, or handling loads in poorly ventilated areas may result in exposure to lead and other substances known to cause birth defects and physical changes. Ensure adequate ventilation at all times and wash thoroughly after exposure.

INTRODUCTION

BP-302A is a semi-automatic feeding low velocity powder-actuated fastening tool whose power level can be adjusted. **It shoots with very lower noise.** Continuous feeding of powder loads and pins for a wide range of applications make the **BP-302A** a versatile, portable, safe and reliable 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 or blindness.

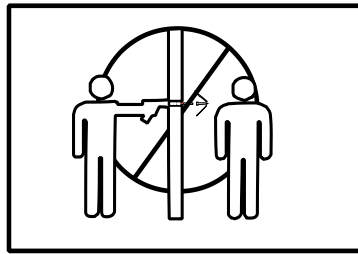
Unsuitable Base materials that should not be fastened to:

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 splinters to fly and may cause serious injury to the tool operator and the bystanders.



Never try to fasten into very hard or brittle materials.

Never attach directly to a base where it can easily penetrate 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 attach directly to a base where it can easily penetrate like wood or gypsum board.

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.

Center Punch Test



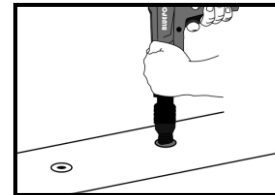
1. **Always check the hardness of the base where you want to fasten.**
2. Using a fastener as a center punch, strike the fastener with a hammer against the work surface and check the results.

Center Punch Test Result

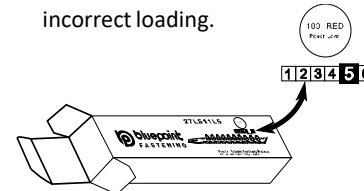
1. The material is too hard for a powder actuated fastening, if the fastener point is flattened.
2. The material is too soft, if the fastener easily penetrates it.
3. The material is too fragile, if the material cracks or shatters.
4. The material is suitable for powder actuated fastening, if the fastener 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, the fastener may pass completely through the work material, causing death or severe injury to someone who may be in the path of the fastener.

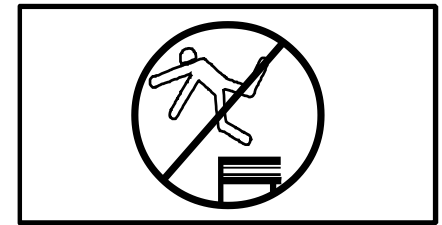


2. **All operators must always select the level of the loads by the power level number to avoid the use of incorrect loading.**

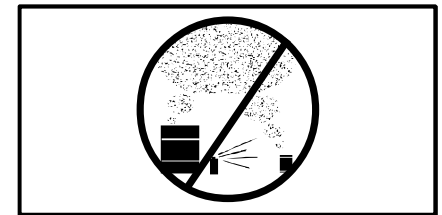


Safety at Work

1. **Operators and bystanders must always wear approved ear and eye protection.** Failure to do so can cause blindness or 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 disorderly area may affect the ability to operate safely.



3. **Never operate the tool when explosive or inflammable materials are close by.** 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.



POWDER LOADS



.27 Caliber - Powder Load Strip

ITEM No.	COLOR	POWER LEVEL
27LS11L2	Brown	Very Low
27LS11L3	Green	Low
27LS11L4	Yellow	Medium
27LS11L5	Red	Strong

TECHNICAL SPECIFICATIONS

BP-302A Tool

Tool Length	13.75"
Tool Weight	5.47 lbs.
Load Caliber	.27 caliber strip loads (Red-5, Yellow-4, Green-3 and Brown-2)
Firing Action	Semi-automatic
Fastener Capacity	1/2" to 2-1/2"

FASTENERS FOR SINGLE SHOT TOOL (BP-302A)

.300" (PD series), .315" (TE series), 8mm (DN series) Diameter Head, .145" and .157" Shank Diameter Drive Pins:

- Drive Pins: 1/2" – 2-1/2" shank length



- Washer Pins: 3/4" - 2" shank length



- Top Hat Pins: 1/2" - 1" shank length



- Angle Clip Pins: 1" - 1-1/4" shank length



- Conduit Clip Pins: 1" - 1-1/4" shank length



- 1/4"-20 Threaded Studs: 1" - 1-3/4" overall length



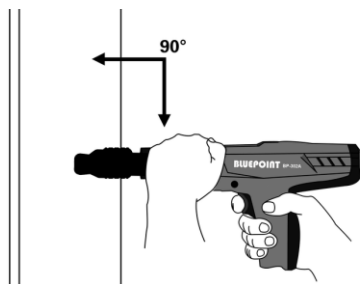


FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN INJURY TO THE TOOL OPERATOR OR BYSTANDERS

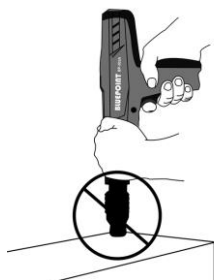


FASTENER DRIVING SAFETY

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 or close to another fastener.** See page 13.

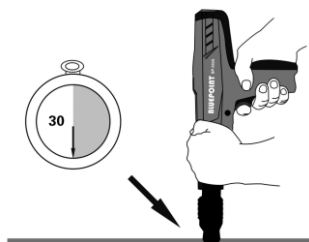


MISFIRE PROCEDURE



ALWAYS FOLLOW THE MISFIRE PROCEDURE.

If the tool does not fire after pulling the trigger, continue to hold the tool against the work surface for at least 30 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.

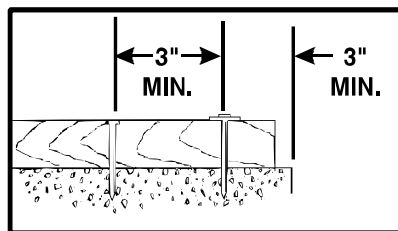
APPLICATIONS OF FASTENERS

BP-302A tool can be used for a wide range of fastening needs on a variety of base materials.

For best results, read and follow these important instructions for fastening. These guidelines will help you perform the fastening operation most effectively and safely. Powder actuated fastenings are permanent solutions. Any attempt to remove them may cause serious injury.

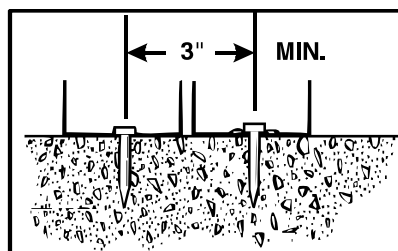
Fastening on Concrete

For fastening in concrete, keep a minimum distance of 3" between fastenings and 3" of any free edge. Concrete thickness should be at least three times the expected depth of penetration into concrete. The drive pin's ideal penetration is 1".



Fastening wood to concrete.

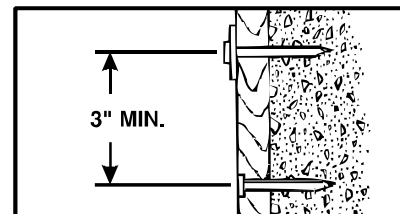
Concrete Fasteners driven too close to an edge or too close together can cause the concrete edge to fail or transfer to fly free.



Penetration of thin gauge metal.

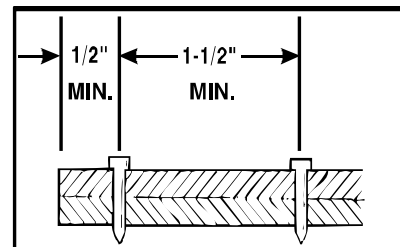
Fastening to Concrete Block or Masonry Walls

This application is not recommended, but if at all used, keep at least 3" edge distance to avoid cracking the block and excess penetration of fastener to avoid a loss in holding value. Fastening is not recommended for vertical joint.



Fastening to Steel

BP303 tool can be used for fastening on the flat surfaces of structural steel. For steel fastening, always maintain a minimum of 1-1/2" between the fasteners and 1/2" from any edge.



OPERATING INSTRUCTIONS



OPERATING THE BP-303A TOOL

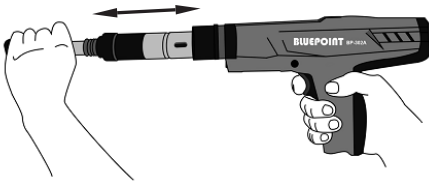


NEVER LOAD A FASTENER WITH YOUR FINGERS ON THE TRIGGER

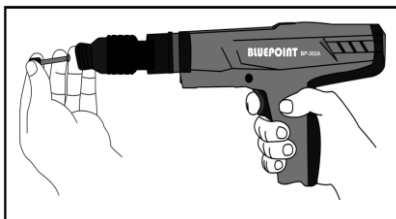


DO NOT USE EXCESSIVE FORCE WHILE INSERTING A FASTENER

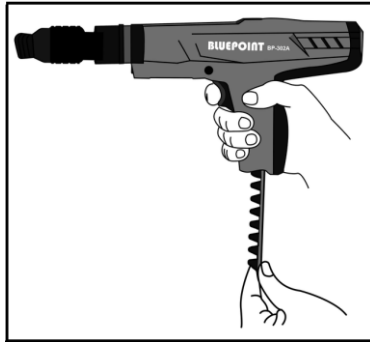
1. After checking to make sure that the tool is not loaded, point it in a safe direction and make sure the barrel is fully extended and close the tool to the semi-closed position. This ensures that the piston is in position for the next fastening operation.



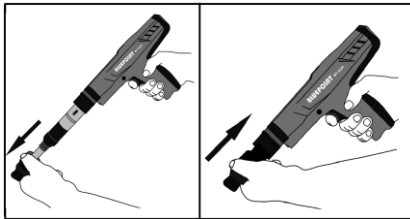
2. With your finger off the trigger, place the fastener, point out, into the end of the fastener guide until the end is inside the fastener guide completely. STOP immediately if excessive force is required; inspect the barrel to find out why the fastener is not entering the fastener guide easily. Do not continue to use the tool unless the problem is corrected. DO NOT use excessive force when inserting a fastener. NEVER load a fastener with your finger on the trigger.



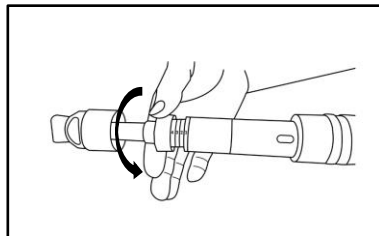
3. With the tool pointed in a safe direction and your finger off the trigger, insert the strip in the tool through the bottom of the handle. Make sure the load is inserted correctly.



4. After shooting pull the fastener guide out on the tool and push it back in, this will allow the strip to advance.



5. **Power Level Adjustment:** There are 4 power levels for the tool. Please adjust the power level according to the operation requirement by rotating the **power level adjuster screw** to 1,2,3 or 4 position.



MAINTENANCE

TOOLS NOT MAINTAINED PROPERLY CAN CAUSE SERIOUS INJURIES TO TOOL OPERATORS AND BYSTANDERS. CLEAN TOOLS AT LEAST ONCE DAILY OR AFTER 500 SHOTS.

Always ensure that the tool is unloaded and use safety goggles before performing any service or repair.

COMPLETE CLEANING / GENERAL MAINTENANCE

Heavy or constant exposure to dirt and debris may require that the tool be cleaned more extensively. Complete disassembly and cleaning of all parts may be necessary to restore the tool to normal operation. General maintenance should be performed every week or more often if the tool is subjected to heavy use.

ALWAYS FUNCTION TEST THE TOOL AFTER PERFORMING ANY SERVICE.

CARE AND MAINTENANCE

Care of the tool

The outer casing of the tool is manufactured from impact resistant plastic. The grip comprises a synthetic rubber section. The ventilation slots must be unobstructed and kept clean at all times. Do not permit foreign objects to enter the interior of the tool. Use a slightly damp cloth to clean the outside of the tool at regular intervals. Do not use a spray or steam-cleaning system for cleaning.

Maintenance

Check all external parts of the tool for damage at regular intervals and check that all controls operate properly. Do not operate the tool when parts are damaged or when the controls do not operate properly. When necessary, have the tool repaired by an authorized repair center.

Servicing the tool

The tool should be serviced when any of the following occur:

1. Cartridges misfire.
2. Fastener driving power is inconsistent.
3. You notice that:
contact pressure increases, trigger force increases, power regulation is difficult to adjust (stiff), the cartridge strip is difficult to remove.



WARNING!

- The tool gets hot when in use.
- DO NOT disassemble the tool when it is hot.

NOTE: THE TOOL SHOULD BE CLEANED DAILY

MAINTENANCE AND CLEANING TOOL



WARNING!
Remove the
cartridge strip from
the tool first.



Use Eye Protection

1. All parts should be cleaned with oil detergent and wire brushes supplied with the tool kit.
2. Remove heavy dirt build-up with the brush.
3. After cleaning with detergent oil, all parts should be wiped thoroughly dry.
4. Excess oil will tend to accumulate dirt and dust. Use eye protection when cleaning the tool. Excess dirt or dust on the piston and cylinder assembly of the receiver must be cleaned daily.

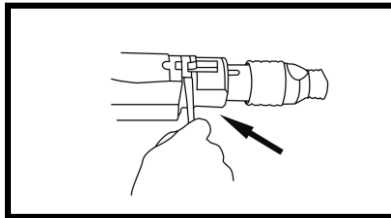
Please review the condition of the piston to check for damage or deformation. For the tool to perform in good operating condition and work well, it is necessary to disassemble and clean the tool when the dirt collects on the inside and outside of the barrel or the tool seems to be losing power. All parts must be cleaned as above with oil and brushes. Be sure to dry all parts when assembling your tool. Depending on tool use, general maintenance has to be done every six months.

HOW TO REPAIR A DAMAGED PISTON

The piston is used very frequently and must be replaced periodically. Typical signs of a worn piston are broken, bent or enlarged head.

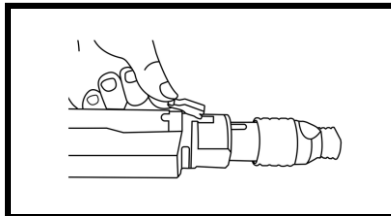
Before performing maintenance to a tool, **make sure there is no powder load in the BP-302A tool**. When taking the tool apart do not lose or damage any other part of the tool.

1. Rotate the **annular Spring** off the **pawl** using a flat blade screwdriver or the point of a long fastener.



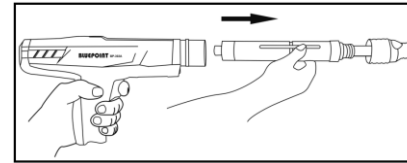
ROTATE THE ANNULAR SPRING AWAY FROM PAWL

2. Remove the **pawl** by lifting it up and away from the tool body.



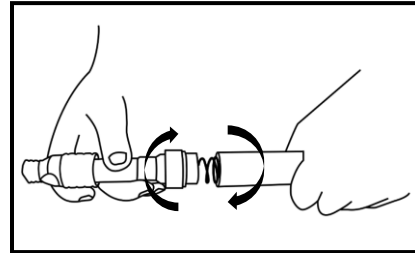
REMOVE THE PAWL

3. Slide the front barrel assembly out of the tool body.



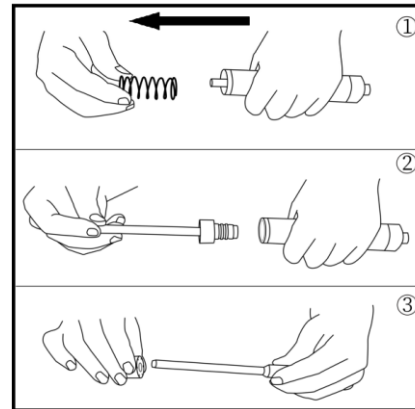
REMOVE THE BARREL ASSEMBLY

4. Unscrew the barrel assembly and the **fastener guide assembly** from the rear side of the fastener guide



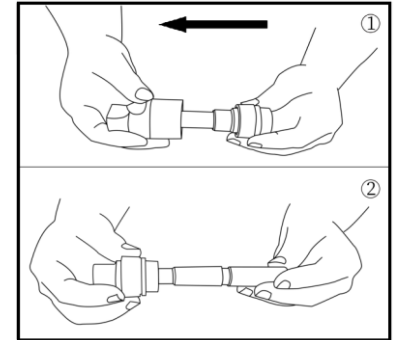
SEPARATE THE BARREL ASSEMBLY AND THE FASTENER GUIDE ASSEMBLY

5. Slide the **reset spring**, the **piston assembly** and the **reset ring**



REMOVE THE PISTON ASSEMBLY

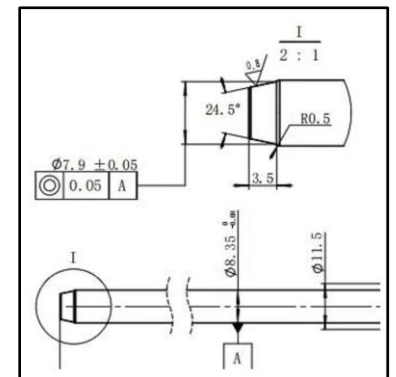
6. Slide the **outer cover assembly**, the **fastener guide assembly** and the **power lever adjuster screw**.



REMOVE THE FASTENER GUIDE

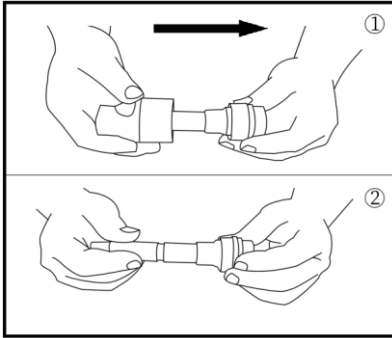
The tool is now disassembled for normal cleaning. Inspect all the parts for wear and tear or damage. Clean or replace if needed, use detergent oil and cleaning brushes to remove dirt and powder residues. Wipe all parts dry before reassembly. **Wear safety goggles when cleaning tool parts.**

7. Check the **piston tip** for damage and grind flat. Grinding should only be done by qualified personnel. The minimum overall length of the piston must not be less than 5-5/8" long, the **piston** must be replaced to avoid tool damage.



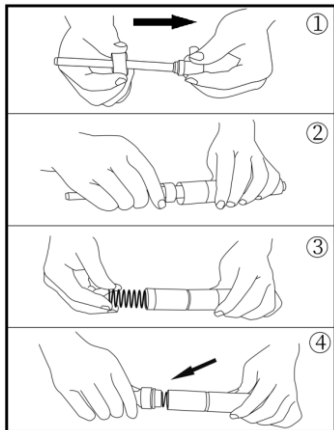
HOW TO REASSEMBLE THE TOOL

1. Reassemble the tool in the reverse order of disassembly. When sliding **outer cover assembly** onto the **fastener guide** and the **power lever adjuster screw**.

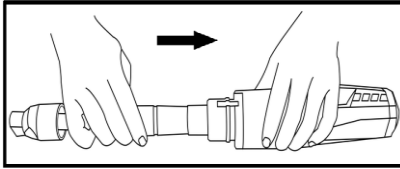


ALIGN THE FRONT AND REAR BARREL GROOVES

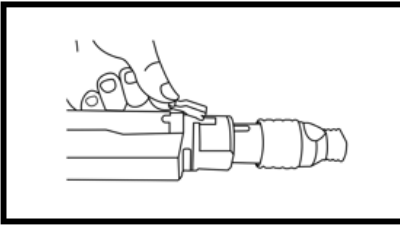
2. Slide the **reset ring** onto the **piston assembly**, next slide the **piston assembly** into the **barrel**, then slide the **reset spring** onto the **piston assembly** and finally depress the assembled **outer cover assembly** and the **fastener guide assembly** against the **reset spring**, then screw it with the end of barrel assembly.



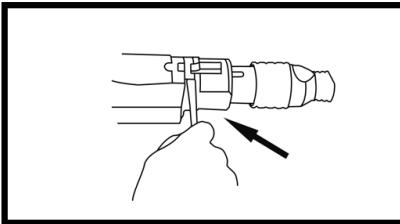
3. Slide the assembled barrel assembly into the tool.



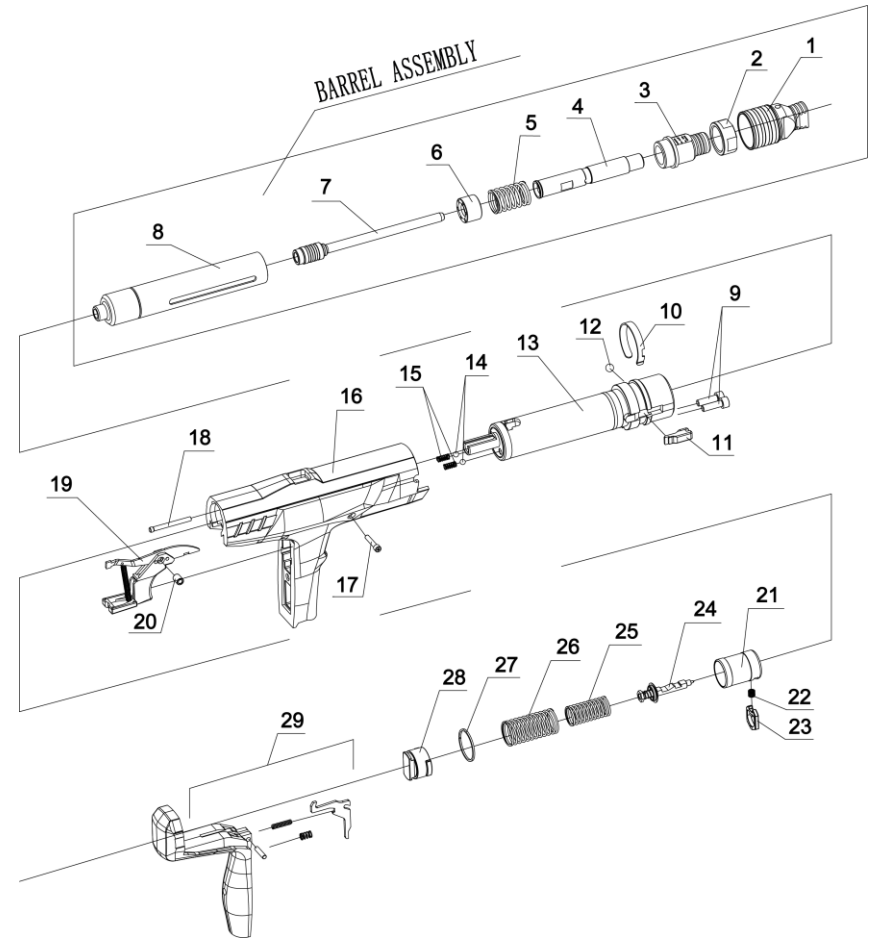
4. Align the pawl on the tool body



5. Rotate the annular spring on the pawl of the tool body.



Schematic for BP-302A



Item #	PART #	DESCRIPTION	Item #	PART #	DESCRIPTION
1	BP302A-01	Outer Cover Assembly	16	BP302A-16	Tool Body
2	BP302A-02	Power Level Adjuster Screw	17	BP302A-17	Locking Pin
3	BP302A-03	Fastener Guide Sleeve	18	BP302A-18	Push Pin (Trigger Roll Pin)
4	BP302A-04	Fastener Guide Assembly	19	BP302A-19	Trigger Assembly
5	BP302A-05	Reset Spring	20	BP302A-20	Hollow Pin
6	BP302A-06	Reset Ring	21	BP302A-21	Sear Holder
7	BP302A-07	Piston Assembly	22	BP302A-22	Sear Spring
8	BP302A-08	Barrel	23	BP302A-23	Sear
9	BP302A-09	Bolt (M6 x 18) 2pcs	24	BP302A-24	Firing Pin Assembly
10	BP302A-10	Annular Spring	25	BP302A-25	Firing Pin Spring
11	BP302A-11	Pawl	26	BP302A-26	Sear Holder Return Spring
12	BP302A-12	Ball (Φ6mm)	27	BP302A-27	Open Circular Ring
13	BP302A-13	Barrel Retention Assembly	28	BP302A-28	Rear Cover
14	BP302A-14	Ball (Φ5mm) 2pcs	29	BP302A-29	Handle Assembly
15	BP302A-15	Magazine Catch Spring (2pcs)			



ALWAYS PERFORM THE DAILY FUNCTION TEST BEFORE USING THE TOOL AFTER CLEANING OR SERVICING

TROUBLESHOOTING		
FAULT	CAUSE	POSSIBLE REMEDIES
Reduction or loss of power	<ul style="list-style-type: none"> Piston not being returned to the full rear position Worn or damaged piston ring Worn or broken pawl 	<ul style="list-style-type: none"> Barrel must be pulled completely open to properly position the piston Replace worn or damaged piston Replace pawl
Tool does not fire	<ul style="list-style-type: none"> The firing pin and/or chamber damaged Tool is not being fully depressed Excessive dirt build-up on chamber face 	<ul style="list-style-type: none"> Replace the damaged part See "Tool does not fully depress" After allowing misfire procedure, check firing pin indentation on load. Clean chamber face.
Tool does not fully depress	<ul style="list-style-type: none"> Tool was assembled incorrectly Damaged parts Debris jamming the barrel or piston assembly 	<ul style="list-style-type: none"> Check all parts in the receiver for damage or improper assembly Contact your distributor or call the offices of Blue Point Fasteners Disassemble and remove debris
Excessive fastener penetration	<ul style="list-style-type: none"> Power level too high Base material too soft 	<ul style="list-style-type: none"> Use a lower charge level. Check the base material and make sure it's not too weak
Failure to index strip	<ul style="list-style-type: none"> Strip is damaged or not inserted in tool properly Indexing mechanism damaged 	<ul style="list-style-type: none"> Check load strip. If damaged, dispose it off appropriately Contact Blue Point for assistance.
Tool cannot be cocked or opened easily	<ul style="list-style-type: none"> Damaged or bent piston Excessive dirt build-up Broken or damaged parts 	<ul style="list-style-type: none"> Replace piston Clean tool properly Tag tool with warning : "Defective-Do Not Use". Place in a locked box and contact your Blue Point representative for service
Failure of tool to stay closed when pointed in the downward position	<ul style="list-style-type: none"> Retaining ball missing 	<ul style="list-style-type: none"> Contact Blue Point for assistance

TROUBLESHOOTING		
FAULT	CAUSE	POSSIBLE REMEDIES
Piston Stuck in down position	<ul style="list-style-type: none"> Piston overdriven and stuck in muzzle bushing 	<ul style="list-style-type: none"> Wear eye protection. Make sure tool is unloaded, tap on hard surface or drive piston back with a lead or brass hammer
Load strip gets stuck	<ul style="list-style-type: none"> Load stuck in the chamber 	<ul style="list-style-type: none"> Never try to remove an unfired, live load from the chamber. Call Blue Point for assistance
Pin(s) stuck in fastener guide	<ul style="list-style-type: none"> Pin inserted too far 	<ul style="list-style-type: none"> Unscrew fastener guide, remove buffer and push the pin out with a screwdriver



SAFETY PRECAUTION

- 1. Read the manual before using the tool.**
- 2. Never put your hand over the fastener guide 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 BP-302A 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 3 seconds.**
- 8. When advancing an unfired cartridge, always keep the tool aimed away from yourself and others.**



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