

# AEROPRO

## Operating Instruction and safety manual



**WIDE CROWN STAPLER – Model No. N851NP**



### IMPORTANT:

Upon receipt of the product, read and follow all safety rules, operating instructions before first use it. And retain this manual for future reference.



Safety alert



CE conformity



Please read the instructions carefully before starting the product.



Wear eye protection.



Wear ear protection.



Lubricate with air tool oil daily.



Keep hands away



Tacker with safety yoke

### Contain:

- ⊙ Technical Data
- ⊙ Important Safety Rules
- ⊙ Operating Instruction
- ⊙ Maintenance
- ⊙ Troubleshooting
- ⊙ Parts List

### ※ Technical Data

Type:	N851NP	Max. working pressure	8.3bar(120psi)
Capacity	50pcs	Operation pressure	4.8-7.5bar(70-110PSI)
Staple length	25-50mm(1"-2")	Air inlet	1/4"
Fastener size	16Ga (1.60x1.40mm)	Dimension	362x340x80mm
Weight	2.1kg		

### ※ Important Safety Rules

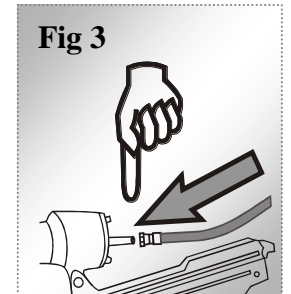
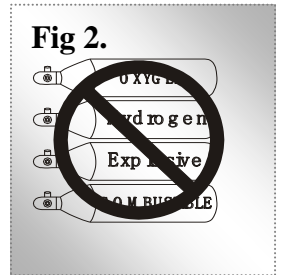
1. **KEEP CHILDREN AWAY.** All children should be kept away from the work area. Don't let them handle the tool.
2. **USE SAFETY GLASS AND EAR PROTECTION:** Air tool operators and others in work area should always wear safety glass to prevent the injury from fasteners and flying debris when loading and unloading this tool. Maybe the noise would harm your hearing, wear the ear

**Fig 1.**



protection to safeguard. (See fig 1.)

3. **NEVER USE OXYGEN, COMBUSTIBLE OR ANY OTHER BOTTLE GAS** as a power source or would cause explosion and serious personal injury. (See fig 2.)
4. **DO NOT CONNECT TOOL TO COMPRESSED AIR** which pressure exceeds 120psi.
5. **DO NOT PLACE OVER-LONG AIR HOSE** in working area in case of the operator's unexpected tripping .Make sure all connections are tight
6. **CARRING TOOL ONLY BY THE HANDLE** do not keep the trigger pull on safety yoke mechanism to avoid unintentional firing of fastener.
7. **KEEP THE TOOL POINTED AWAY FROM YOURSELF** and others at all time and keep hands, any body parts away rear area to Safety guard against possible injury.
8. **DISCONNECT TOOL FROM AIR SUPPLY BEFORE LOADING** fasteners to prevent a fastener from being fired during connection. (See fig3.)
9. **DO NOT KEEP THE TIRGGER OR SAFETY DEPRESSED** during loading fasteners or the unintentional firing of a fastener would cause personal injury.
10. **DO NOT KEEP THE TIRGGER OR SAFETY DEPRESSED** during loading fasteners or the unintentional firing of a fastener would cause personal injury.
11. **DISCONNECT TOOL FROM AIR SUPPLY HOSE** and close the compressor before performing maintenance, alter the accessories or during non-operation.
12. **DO NOT DRIVE FASTENER ON SCAFFOLDINGS,LADDERS** and on such similarly construction, not working on airtight case, and vehicles.
13. **DO NOT DRIVE FASTENER ON TOP OF NAILED FASTENER**, or the fastener can ricochet causing personal injury.
14. **NEVER USE A TOOL** that is leaking air, had missing or damaged parts or requires repair and make sure all the screws and securely tightened.
15. **ONLY USE PARTS AND ACCESSORIES** recommend by manufacturer.



✳ **ADDITIONAL SAFETY INSTRUCTIONS FOR PNEUMATIC POWER TOOLS**

- Air under pressure can cause severe injury.
- Always shut off air supply, drain hose of air pressure and disconnect tool from air supply whenever not in use, before changing accessories or where making repairs.
- Never direct air at yourself or anyone else.
- Whipping hoses can cause severe injury. Always check for damaged or loose hoses and fittings.
- Cold air should be directed away from the hands.
- Whenever universal twist couplings(claw couplings) are used, lock pins shall be installed and whip check safety cables shall be used to safeguard against possible hose-to-tool and hose-to-hose connection failure.
- Do not exceed the maximum air pressure stated on the tool.
- Never carry an air tool by the hose.
- Only fasteners listed in the specifications may be used in the fastener driving tool. The fastener driving tool and the fasteners specified in the specifications are to be considered as one unit safety system.
- Quick action couplings shall be used for connection to the compressed air system and the non-sealable nipple must be fitted at the tool in such a way that no compressed air remains in the tool after disconnection.
- Oxygen or combustible gases shall not be used as an energy source for compressed air operated fastener driving tools.
- Fastener driving tools shall only be connected to an air supply where the maximum allowable pressure of the tool cannot be exceeded by more than 10%; in the case of higher pressure ,a pressure reducing valve which includes a downstream safety valve shall be built into the compressed air supply.
- Only the main energy and the lubricants listed in the operating instructions may be used for the maintenance of fastener driving tools. Only spare parts specified by the manufacturer or his authorised representative shall be used.
- Repairs shall be carried out only by the manufacturer's authorized agents or by other experts, having due regard to the information given in the operating instructions.

- Stands for mounting the fastener driving tools to a support, for example to a work table, shall be designed and constructed by the stand manufacturer in such a way that the fastener driving tools can be safely fixed for the intended use, thus for example avoiding damage, distortion and displacement.
- Check prior to each operation that the safety and triggering mechanism is functioning properly and that all nuts and bolts are right.
- Do not carry out any alterations to the fastener driving tool.
- Do not disassemble or make inoperative any parts of the fastener driving tool such as the safety yoke.
- Do not perform any emergency repairs without proper tools and equipment.
- The fastener driving tool should be serviced properly and at regular intervals in accordance with the manufacturer's instructions.
- Avoid weakening or damaging the tool, for example by:
  - punching or engraving;
  - modification not authorized by the manufacturer;
  - guiding against templates made of hard material such as steel;
  - dropping or pushing across the floor;
  - using the tool as a hammer;
  - applying excessive force of any kind.
- Never point any fastener driving tool at yourself or at any other person or animal.
- Hold the fastener driving tool during the work operation in such a way that no injuries can be caused to the head or to the body in the event of possible recoil consequent upon a disruption in the compressed air supply or hard areas within the workplace.
- Never actuate the fastener driving tool into free space.
- This will avoid any hazard caused by free flying fasteners and excessive strain of the tool.
- The tool shall be disconnected from the compressed air system for the purpose of transportation, especially where ladders are used or where an unusual physical posture is adopted whilst moving .
- Carry the fastener driving tool at the workplace using only the handle, and never with the trigger actuated.
- Take conditions at the workplace into account. Fasteners can penetrate thin work pieces or slip off corners and edges of workplaces, and thus put people at risk.
- For personal safety, use protective equipment such as hearing and eye protection.
- Fastener driving tools are operated by actuating the trigger using finger pressure.

In addition, fastener driving tool is fitted with a safety yoke which enables the driving operation to be carried out only after the safety yoke of the tool is pressed against a work piece, These tools are marked with an inverted triangle ( $\nabla$ ) behind the serial number and are not permitted for use without an effective safety yoke. A safety yoke is not required on fastener driving tools which accelerate the heaviest usable fasteners to a free flight velocity below an admissible risk of injury. Those fastener driving tools are not marked with an inverted triangle.

## ※ Operating instruction

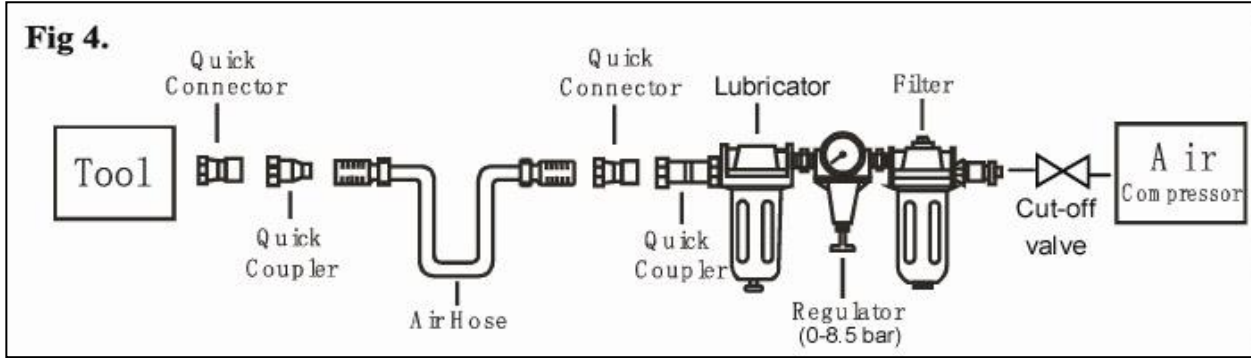
### Description

Model **N851NP** drives Ga.16 finish nails from 25mm to 50mm length. Large cast aluminum body provide more power to easily drive nails in to hard wood. Quick and easy pushing follower for fast loading. Comfort grip rubber handle for improved control and comfort even during extended use. Fasteners system can shoot frequently. Narrow nose is ideal for door and window trims, exterior trims, and cabinet work, finish paneling, decorative trims, furniture making and etc.

### Air supply

1. Use clean, Dry and Regulated compressed air at 4.8-7.5bar (70-110psi). **Never exceed maximum permissive operating pressure 8.3bar (120psi).**
2. Never exceed maximum and minimum pressure. Too low or too high pressure would cause noise, fast-worn or misfiring.
3. When connecting air supply always keep hands and body from discharge area of tool.
4. A filter-regulator-lubrication is required and should be located as close to tool as possible.(see fig.4)

5. Keep air filter clean. A dirty filter will reduce the air pressure to the tool causing a reduction in power and efficiency.
6. For better performance, install a quick connector in your tool and quick coupler on the hose if possible.
7. Be sure all connections in air supply system are sealed to prevent air loss.



### Loading fastener and operation

**⚠ WARNING:** Always disconnect the tool from the compressed air before loading. When loading the tool always point the tool away from yourself and others. Make sure that you are not holding the tool with trigger depressed while loading the tool.

1. Insert a strip of fasteners into magazine Keeping it point down.
2. Release the latch and pusher, slid the pusher against the nails.
3. Connect the tool to the air supply. Make sure the air pressure is in the correct range denoted in the Technical Data.
4. Then test the driving depth in a sample piece of wood before using. If the fasteners are being driven too far or not far enough, adjust the regulator to provide less air pressure or more air pressure.
5. Never operate tool unless safety nose is contact with workpiece. Do not operate tool without fasteners or damage to tool may result.
6. Never fire fasteners into air because fasteners may injury operator or others and damage to tool may result.

### ※ Maintenance

**⚠ WARNING:** Disconnect the tool from the air compressor before adjusting, clearing jams, servicing, relocating and during non operation.

-Regular lubrication, if your tool without using the in-liner automatic oilier, place 2 or 6 drops of pneumatic tool oil into the air inlet before each work day or after 2 hours of continuous use depending on the characteristic of workpiece or type of fasteners.

-Check and change all worn or damaged o-rings, seals, etc. Tight all the screws and caps in case personal injury.

-Inspect trigger and safety mechanism to assure safe system is complete and functional: no loose and missing parts, no building or sticking parts.

-Keep magazine and nose of tool clean and free of any dirt lint or abrasive particles.

### ※ Troubleshooting

The following form lists the common operating system with problem and solutions. Please read the form carefully and follow it.

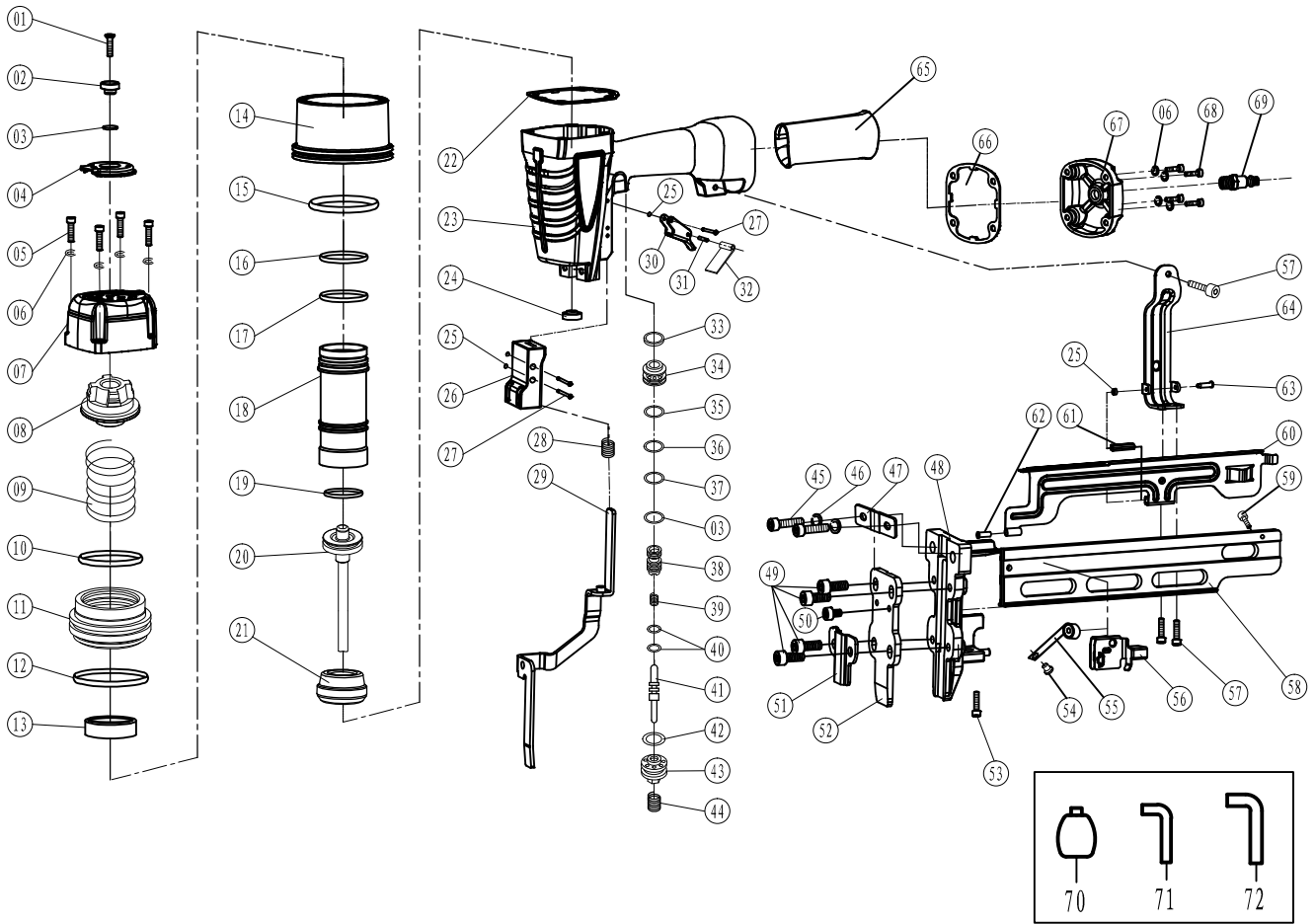
**⚠ WARNING:** If any of the following symptoms appears during your operating, stop using the tool immediately, or serious personal injury could result. Only a qualified persons or an authorized service center can perform repairs or replacement of tool.

Disconnect tool from air supply before attempting repair or adjustment. When replacing O-rings or Cylinder, lubricate with air tool oil before assembly.

SYMPTOM	PROBLEM	SOLUTIONS
Air leak near top of tool or in trigger area	<ol style="list-style-type: none"> <li>1.O-ring in trigger valve are damage.</li> <li>2.Trigger valve head are damage.</li> <li>3.Trigger valve stem ,seal or O-ring are damaged.</li> </ol>	<ol style="list-style-type: none"> <li>1.Check and replace O-ring.</li> <li>2.Check and replace.</li> <li>3.Check and replace trigger valve stem, seal or O-ring</li> </ol>
Air leak near bottom of tool.	<ol style="list-style-type: none"> <li>1. Loose screws.</li> <li>2. Worn or damaged O-rings or bumper.</li> </ol>	<ol style="list-style-type: none"> <li>1.Tighten screws.</li> <li>2.Check and replace O-rings or bumper.</li> </ol>
Air leak between body and cylinder cap.	<ol style="list-style-type: none"> <li>1. Loose screws.</li> <li>2. Worn or damaged O-rings or seals.</li> </ol>	<ol style="list-style-type: none"> <li>1.Tighten screw.</li> <li>2.Check and replace O-rings or bumper.</li> </ol>
Blade driving fastener too deep.	<ol style="list-style-type: none"> <li>1. Worn bumper.</li> <li>2. Air pressure is too high.</li> </ol>	<ol style="list-style-type: none"> <li>1.Replace bumper.</li> <li>2.Adjust the air pressure.</li> </ol>
Tool does not operate well: can not drive fastener or operate sluggishly.	<ol style="list-style-type: none"> <li>1. Inadequate air supply.</li> <li>2. Inadequate lubrication.</li> <li>3. Worn or damaged O-rings or seals.</li> <li>4.Exhaust port in cylinder head is blocked.</li> </ol>	<ol style="list-style-type: none"> <li>1.Verify adequate air supply.</li> <li>2.Place 2 or 6 drops of oil into air inlet.</li> <li>3.Check and replace O-rings or seal.</li> <li>4.Replace damaged internal parts.</li> </ol>
Tool skips fasteners.	<ol style="list-style-type: none"> <li>1.Worn bumper or damaged spring.</li> <li>2.Dirt in front plate.</li> <li>3.Dirt or damage prevents fasteners from moving freely in magazine.</li> <li>4.Worn or dry O-ring on piston or lack of lubrication.</li> <li>5.Cylinder cover seal leaking.</li> </ol>	<ol style="list-style-type: none"> <li>1.Repalce bumper or pusher spring.</li> <li>2.Clean drive channel on front plate.</li> <li>3.Magazine needs to be cleaned.</li> <li>4.O-ring need to be replaced. And lubricate.</li> <li>5.Replace Sealing washer.</li> </ol>
Tool jams	<ol style="list-style-type: none"> <li>1.Incorrect or damaged fasteners.</li> <li>2.Damaged or worn driver guide.</li> <li>3.Magazine or nose screw loose.</li> <li>4.Magazine is dirty.</li> </ol>	<ol style="list-style-type: none"> <li>1.Change and use correct fastener.</li> <li>2.Check and replace the driver.</li> <li>3.Tighten the magazine.</li> <li>4.Clean the magazine.</li> </ol>

# N851NP Explosive View and Parts list

Issue date: : 2016.10.05  
Version no.: : C1



No.	Figure number	Description	Qty.	No.	Figure number	Description	Qty.	No.	Figure number	Description	Qty.	No.	Figure number	Description	Qty.
01	03.04.05.136	Hex bolt	1	22	03.04.07.156	Cylinder washer	1	43	03.04.32.056	Switch seat	1	64	03.04.12.215	Fixed seat	1
02	03.04.29.234	Bearing	1	23	03.04.26.257	Gun body	1	44	03.04.36.006	Trigger handle spring	1	65	03.04.29.126	Rubber handle Grip	1
03	03.04.01.060	O-ring 9X1.8	2	24	03.04.07.157	Oriented washer	1	45	03.04.05.048	Hex bolt	2	66	03.04.07.158	End cap washer	1
04	03.04.21.519	Exhaust cap	6	25	03.04.01.027	O-ring 1.7x2	4	46	03.04.05.265	Spring washer	2	67	03.04.11.099	End cap	1
05	03.04.05.034	Hex bolt	6	26	03.04.32.173	Oriented seat	1	47	03.04.02.170	Plate	1	68	03.04.05.032	Hex bolt	4
06	03.04.05.263-03	Spring washer	8	27	03.04.31.145	Trigger pin	3	48	03.04.08.206	Nose	1	69		Air coupler	1
07	03.04.28.119	Cylinder cap	1	28	03.04.36.311	Safety spring	1	49	03.04.05.028	Hex bolt	4	<b>accessories</b>			
08	03.04.32.172	Compressed spring seat	1	29	03.04.16.139	Safety assembly	1	50	03.04.05.078	Hex bolt	1	70	05.04.24.035	oilier	1
09	03.04.36.310	Compressed spring	1	30	03.04.03.017-03	Trigger	1	51	03.04.04.169	Safety cover	1	71	05.04.21.003	wrench M5	1
10	03.04.01.150	O-ring 38.7x2.65	1	31	03.04.05.191	Pin 3x16	1	52	03.04.02.151	Fixed plate	2	72	05.04.21.004	wrench M6	1
11	03.04.20.053	Valve	1	32	03.04.02.015	Safety stand	1	53	03.04.05.030	Hex bolt	1				
12	03.04.01.174	O-ring 48.7X2.65	1	33	03.04.19.096	Switch seal ring	1	54	03.04.40.427	Limit bolt	1				
13	03.04.19.198	Cylinder seal ring	1	34	03.04.32.105	Valve seat	1	55	03.04.22.043	Spring roller	1				
14	03.04.19.230	Lining ring	1	35	03.04.01.082	O-ring 16x1.6	1	56	03.04.09.182	Pusher	1				
15	03.04.01.189	O-ring 57.5x3	1	36	03.04.01.047	O-ring 6.1x1.8	1	57	03.04.05.027	Hex bolt	3				
16	03.04.01.157	O-ring 41.7x3	1	37	03.04.01.048	O-ring 6.4x2	1	58	03.04.18.093	Magazine	1				
17	03.04.01.171	O-ring 46.2x3.55	1	38	03.04.29.005	Valve case	1	59	03.04.05.025	Hex bolt	1				
18	03.04.27.142	Cylinder	1	39	03.04.34.043	Switch spring	1	60	03.04.02.171	Stand	1				
19	03.04.01.138	O-ring 35.5x3.55	1	40	03.04.34.034	O-ring 2.5x1.5	2	61	03.04.06.143	Plate	1				
20	03.04.39.01.239	Piston-Driver	1	41	03.04.15.045	Switch Lever	1	62	03.04.06.144	Stand bumper	1				
21	03.04.06.025	Bumper	1	42	03.04.01.091	O-ring 18x2.65	1	63	03.04.31.146	Stand pin	1				

Note: If you need spare parts of this model, pls feel free to contact us or the distributor where you bought this tool. Tks!