

AXMINSTER

PROfessional

Code 107613

Original Instructions

AP1220HP

Headless Pinner 24G 12-20mm



AT: 09/02/2022
BOOK VERSION: 1

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Cert No: P622F

Axminster Tool Centre Ltd
Axminster Devon
EX13 5PH UK
axminstertools.com

declares that the machinery described:-

Type	Headless Pinner
Model	AP1220HP

Signed



Andrew Parkhouse
Operations Director

Date: 29/10/2010

EU Declaration of Conformity

This machine complies with the following directives:

2006/42EC
2019-10-70-10-PB001



and conforms to the machinery example for which the
EC Type-Examination Certificate No 106206C
has been issued by **ChongQing Hybest Tools Group Co., Ltd.**
at: No. 157, Jienan Street, Banan District Chongqing, China

and complies with the relevant essential health and safety requirements.

READ ALL INSTRUCTIONS BEFORE OPERATING THE TOOL

SUMMARY

You will need the instructions for the safety warning and cautions, assembly instructions, operating and maintaining procedures, exploded view drawing and parts list. Keep your invoice with these instruction. Keep the instructions and invoice in a safe and dry place for future reference.

SPECIFICATIONS

Characteristic	Value
Minimum Operating Air Pressure	60 PSI
Maximum Operating Air Pressure	100 PSI
Nail Length Range	15/32" -- 7/8"
Nail Size	23 Gauge
Nail Capacity	100
Air Inlet	1/4" NPT
Air Consumption	1.5 CFM
Tool Weight	1.76 lbs

SAFETY WARNINGS& CAUTIONS

1. **KEEP WORKING AREA CLEAN.** Cluttered areas invite injuries.
2. **DON'T ALLOW CHILDREN AT THE WORKING AREA.** Don't let them handle the tool.
3. **DO NOT OPERATE THIS TOOL IF UNDER THE INFLUENCE OF ALCOHOL OR DRUGS.** Read warning label on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not attempt to operate.
4. **USE SAFETY GLASSES.** Safety glasses should conform to ANSI Z87.1 specifications. Before operating, wear safety glasses against flying debris from the front and side. Safety glasses should be worn when loading, operating, unloading or servicing this tool.
5. **USE EAR PROTECTION.** The working area may be exposed to high noise levels that can lead to hearing damage.
6. **NEVER USE OXYGEN COMBUSTIBLE GASES, BOTTLED GASES OR HIGH PRESSURE COMPRESSED GAS AS A POWER SOURCE FOR THIS TOOL.** The tool may explode and cause serious injury.
7. **DRESS SAFELY.** Protective gloves and nonskid footwear or safety shoes are recommended when working with and operating this tool. Don't wear loose clothing or jewelry. They can get caught in moving parts. Also, wear a protective hair covering to prevent long hair from getting caught in the tool.
8. **DO NOT FIRE INTO HARD MATERIALS.** Do not attempt to shoot toward hard or brittle material such as concrete, steel or tile.
9. **WHEN OPERATING TOOL.** keep the proper footing and balance to avoid damage resulting from losing balance.
10. **CHECK DAMAGED PARTS.** Before using tool, carefully check if there is any part damaged.
11. **REPLACE PARTS AND ACCESSORIES.** Only allow the use of the same replacement parts while servicing. Approved accessories and replacement parts are available.
12. **KEEP ALERT.** Watch what you are doing. Use common sense. Do not operate any tool when you are tired.

- 13. STORE THE TOOL.** When not in use, tool should be cleaned, fully assembled and then, stored in a dry location to reduce rust. For safety, keep out of reach of children.
- 14. OUTDOOR EXTENSION CORDS.** When air compressor is used outdoors, use only rounded jacket extension cords intended for outside use. See manufacturer's manual for the AWG required for the compressor's amperage draw.
- 15. PAY ATTENTION TO AIR HOSE AND THEIR CONNECTIONS.** Don't trip over hoses. Make sure all connections are tight.
- 16. AFTER LOADING THE FASTENERS.** never point the tool at yourself or bystanders.
- 17. USE THE CORRECT AIR CONNECTOR.** The connector on the tool must not hold pressure when the air supply is disconnected. If the wrong fitting is used, the tool can be charged with air after being disconnected and still be able to drive a fastener.
- 18. WHEN CONNECTING THE AIR.** The tool can possibly fire the fasteners. Therefore, remove all the fasteners before connecting to the air.
- 19. DO NOT DEPRESS THE TRIGGER WHEN LOADING.**
- 20. IF THE FASTENERS ARE JAMMED.** Disconnect the tool from the air and remove the jammed fasteners.

WARNING: The warning, caution, and instructions explained in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that **COMMON SENSE AND CAUTION ARE FACTORS WHICH CANNOT BE BUILT INTO THIS PRODUCT, BUT MUST BE SUPPLIED BY THE OPERATOR.**

UNPACKING

When unpacking, please refer to following table and check all the parts are complete. If any parts are missing or broken, please call seller for help.

Description	Qty
Nailer	1
S3 Hex Key	1
S4 Hex Key	1
Air Tool Oil	1
Operating instruction	1

SETING

Your air tool is fully assembled when you receive it. Before using it, attach the air line and desired air system accessories. See Figure 1 for the recommended accessories and connection order. Be sure the air hose is depressurized when installing or removing adapters to the air line.

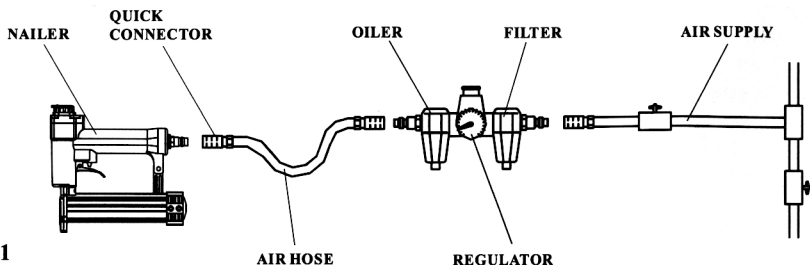


Figure 1

CONNECTING THE TOOL TO AN AIR SUPPLY

1. Determine if the tool needs oil and, if necessary, place two drops of oil in the AIR PLUG(59) as shown in Figure 2. If you are using an automatic in-line oiler, check and add oil if necessary.
2. Turn the compressor on and set the regulator to the proper pressure according to the size and type of fastener being used.
3. Connect the tool to the air supply (see setting for air supply connection recommendations).

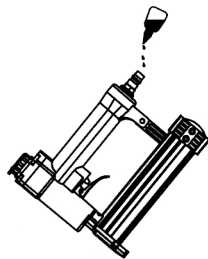


Figure 2

LOADING THE FASTENERS

1. Depress the LOCK to release the MOVABLE MAGAZINE (39) and pull the magazine out fully as shown in Figure 3.
2. Place a full clip of the specified type and size fasteners on the FIXED MAGAZINE UNIT(50), 100 fasteners may be loaded in the magazine.
3. Push the MOVABLE MAGAZINE ASSEMBLY forward until it is locked.

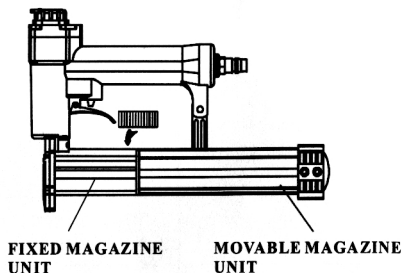


Figure 3

OPERATING THE TOOL

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.

1. Load fastener as following the direction given in the section called **LOADING THE FASTENER**.
2. Connect the tool to the air supply. Make sure the air pressure is in correct range denoting in the section **SPECIFICATIONS**.
3. Place tool nose on/against working surface,squeeze trigger once to achieve one shooting/firing.Continuously squeeze trigger to achieve continuous shooting/firing.
4. Lift the tool off the working surface.

REGULAR MAINTENANCE

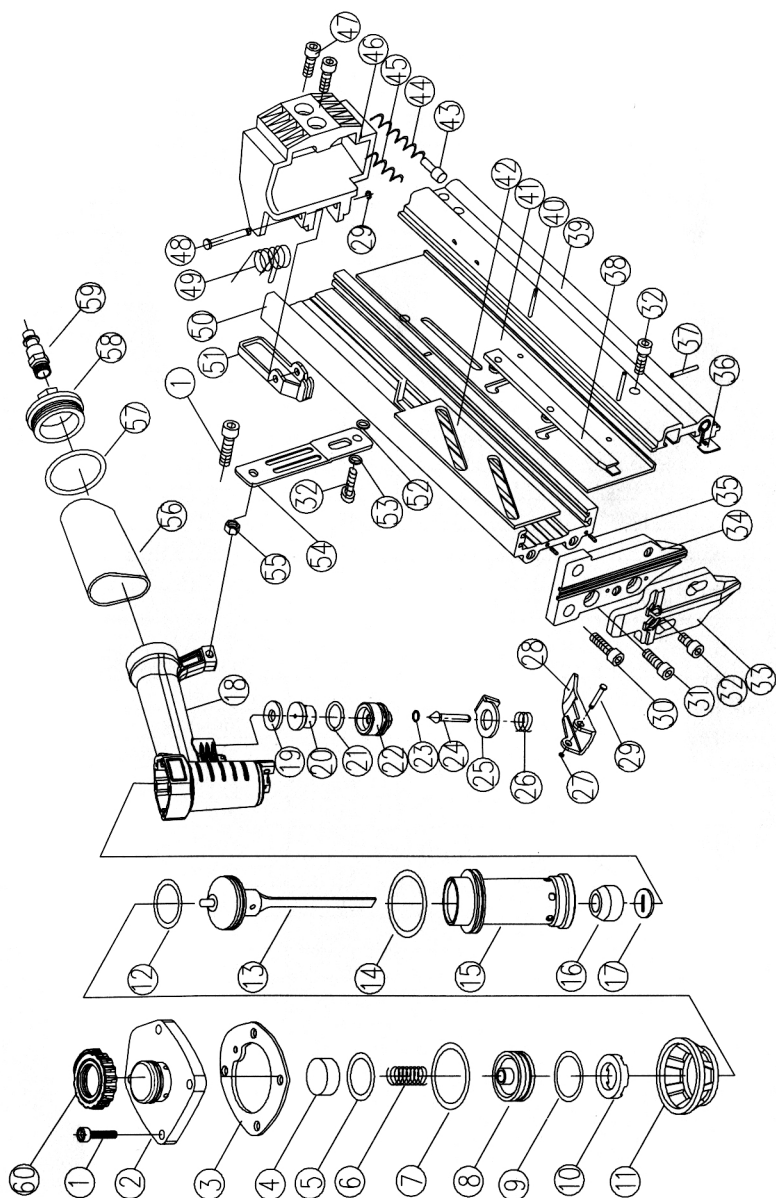
1. Frequent, but not excessive, lubrication is required for best performance. Oil added through the air inlet will lubricate internal parts. An automatic air line oiler is recommended but oil may be added manually before every operation or after about 1 hour of continuous use. Only a few drops of oil at a time are necessary. Too much oil will collect inside the tool and be blown out during the exhaust cycle. **ONLY USE PNEUMATIC TOOL OIL**. Do not use detergent oil or additives, because these lubricants will cause accelerated wear to the seal in the tool.
2. Use a small amount of oil on all moving surface and pivots.
3. Dirt and water in the air supply are major causes of pneumatic tool wear. Use a filter/oiler for better performance and longer life. The filter must have adequate flow capacity for the specific application. Consult the manufacturer's instructions for proper maintenance of your filter.
4. Keep tools clean for better and safer performance. Use nonflammable cleaning solutions (**CAUTION:** Such solutions may damage O-ring and other tool parts) only if necessary. **DO NOT SOAK**.

TROUBLE SHOOTING

STOP USING THE TOOL IMMEDIATELY IF ANY OF THE FOLLOWING PROBLEMS OCCUR. SERIOUS PERSONAL INJURY COULD OCCUR. ANY REPAIRS OR REPLACEMENTS MUST BE DONE BY A QUALIFIED PERSON OR AN AUTHORIZED SERVICE CENTER ONLY.

PROBLEM	CAUSE	SOLUTION
Air leaking at Trigger area	1. O-ring in trigger valve is damaged. 2. Trigger valve head is damaged. 3. Trigger valve stem, seal or O-ring is damaged.	1. Check and replace O-ring. 2. Check and replace trigger valve head. 3. Check and replace trigger valve stem, seal or O-ring.
Air leaking between body and front plate	Damaged piston O-ring or bumper.	Check and replace O-ring or bumper.
Air leaking between body and cylinder cap	1. Screw loose. 2. Damaged seal.	1. Tighten screws. 2. Check and replace seal.
Blade driving fastener too deeply	1. Worn bumper 2. Air pressure is too high.	1. Replace bumper. 2. Adjust the air pressure.
Runs slowly or has power loss	1. Insufficient oil. 2. Insufficient air supply. 3. Broken spring in cylinder cap. 4. Exhaust port in cylinder cap is blocked.	1. Lubricate as instructed. 2. Check air supply. 3. Replace spring. 4. Replace damaged internal parts.
Tool skips a fastener	1. Worn bumper or damaged spring (55). 2. Dirt in front plate. 3. Inadequate airflow to tool. 4. Worn or dry O-ring on piston. 5. Damaged O-ring on trigger valve. 6. Cylinder cap seal leaking.	1. Replace bumper or pusher spring. 2. Clean drive channel of front plate. 3. Check hose and compressor fittings. 4. Replace O-ring or lubricate. 5. Replace O-ring. 6. Replace seal.
Fasteners are jammed	1. Joint guider is worn. 2. Fasteners are wrong size or damaged. 3. Magazine or front plate screws are loose. 4. Blade in piston assembly is damaged.	1. Replace joint guider. 2. Use the recommended and undamaged fasteners. 3. Tighten screws. 4. Replace piston assembly.

EXPLODED VIEW DRAWING



PARTS LIST

Refer to the Exploded View Drawing for the location of parts listed below

ITEM	DESCRIPTION	ITEM	DESCRIPTION
1	SCREW	31	SCREW
2	CYLINDER CAP	32	SCREW
3	GASKET	33	PLATE
4	SEAL	34	DRIVE GUIDE
5	O-RING 15.7×2	35	PIN 1.5X10
6	SPRING	36	FEEDER SHOE
7	O-RING 31.3×2.3	37	SPRING PIN 2X10
8	VALVE	38	LIMITED PØCE ASSEMBLY
9	O-RING 26.8×2.8	39	MOVABLE MAGAZINE
10	STOPPED WASHER	40	SPRING PIN 2.5X10
11	COLLAR	41	PLATE
12	O-RING 23.3×3	42	SLIDE PLATE
13	PISTON ASSEMBLY	43	FEEDER SHOE BASE
14	O-RING 35.3×2.5	44	SPRING
15	CYLINDER	45	SPRING
16	BUMPER	46	STOPPED PLATE
17	SEAL	47	SCREW
18	BODY	48	PIN
19	SEAL	49	SPRING
20	TRIGGER VALVE HEAD	50	FIXED MAGAZINE
21	O-RING 15X1.9	51	LOCK
22	TRIGGER VALVE GUIDER	52	WASHER
23	O-RING 6.5X1.4	53	SPRING WASHER
24	TRIGGER VALVE STEM	54	SUPPORT
25	SAFE BRAKE CT	55	NUT
26	SPRING	56	SOFT GRIP SLEEVE
27	LOCK WASHER	57	O-RING 40.2×2.3
28	TRIGGER	58	END CAP
29	PIN	59	AIR PLUG
30	SCREW	60	EXHAUST COVER