



Universal Tool

Operator Instructions

Includes - Foreseen Use, Work Stations, Putting Into Service, Operating, Dismantling, Assembly and Safety Rules

Important

Read these instructions carefully before installing, operating, servicing or repairing this tool. Keep these instructions in a safe accessible place.

Manufacturer/Supplier Universal Air Tool Company Limited Unit 8 Lane End Industrial Park High Wycombe Bucks HP14 3BY Tel No (01494) 883300 Fax No (01494) 883237	Product Type Saw	RPM Cycles Per Min 10,000	
	Model No/Nos UT8920B	Serial No	

Product Nett Weight 1.32 lbs 0.6 Kg	Recommended Use Of Balancer Or Support No	Recommended Hose Bore Size - Minimum 3/8 Ins 10 M/M	Recommended Max. Hose Length 30 Ft 10 M
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					Noise Level	Sound Pressure Level 79.0 dB(A)
Air Pressure						
Recommended Working	6.3	bar	90	PSI	Test Method	Tested in accordance with Pneurop test code PN8NTC1 and ISO Standard 3744
Recommended Minimum	n/a	bar	n/a	PSI		
Maximum	7	bar	100	PSI		

Personal Safety Equipment	Vibration Level 22.6 Metres / Sec²
Use - Safety Glasses Yes	Test Method Tested in accordance with ISO standards 8662 Parts 1 & 12
Use - Safety Gloves	
Use - Safety Boots	
Use - Breathing Masks	
Use - Ear Protectors	

Foreseen Use Of The Tool

This tool is designed for the purpose of sawing materials when fitted with the saw blades supplied by, or recommended by the manufacturers. Do not use the tool for any other purpose than that specified without consulting the manufacturer or the manufacturers authorised representative. Do not modify the tool even for intended use as a saw.

Work Stations

The tool should only be used as a handheld hand operated tool. It is always recommended that the tool is used when standing on the solid floor. It can be used in other positions but before any such use, the operator must be in a secure position having a firm grip and footing.

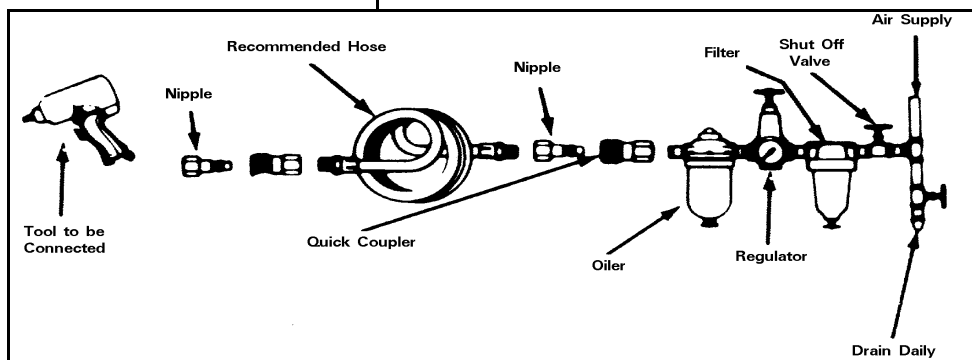
Putting Into Service

Air Supply

Use a clean lubricated air supply that will give a measured air pressure at the tool of 90 p.s.i./6.3 bar when the tool is running with the trigger fully depressed. Use recommended hose size and length. It is recommended that the tool is connected to the air supply as shown

in figure 1. Do not connect the tool to the air line system without incorporating an easy to reach and operate air shut off valve. The air supply should be lubricated. It is strongly recommended that an air filter, regulator, lubricator (FRL) is used as shown in Figure 1 as this will supply clean, lubricated air at the correct pressure to the tool. Details of such equipment can be obtained from your supplier. If such equipment is not used then the tool should be lubricated by shutting off the air supply to the tool, depressurising the line by pressing the trigger on the tool. Disconnect the air line and pour into the intake bushing a teaspoonful (5ml) of a suitable pneumatic motor lubricating oil preferably incorporating a rust inhibitor. Reconnect tool to air supply and run tool slowly for a few seconds to allow air to circulate the oil. If tool is used frequently lubricate on daily basis and if tool starts to slow or lose power.

It is recommended that the air pressure at the tool whilst the tool is running is 90 p.s.i./6.3 bar. The tool can run at lower and higher pressures with the maximum permitted working air pressure of 100 p.s.i./7.0 bar.



Operating

To fit saw blade (35) first remove screw (38) and pull back cover (26). Slacken 2 off screws (30) and push blade with the widest end into blade chuck (33) as far as it will go and tighten 2 off screws (30), pull back cover (26) and replace screw (38). Connect tool to suitable air supply. Let the saw blade cut and never load the tool too heavily as this may cause the blade to break. This tool has a high vibration level and should only be used for short periods of time before resting.

Dismantling & Assembly Instructions

Disconnect tool from air supply.

Unscrew screw (38) and pull back chuck cover (26) and take out 2 off screws (21) to remove bridge (41) and 2 off blade guides (40). Note the orientation of the blade guides in relation to the assembly for refitting. Unscrew 2 off set screws (30) to remove the blade (35). Take out grub screw (46). Locate a 7mm spanner on the flats of the piston assembly (29) and unscrew blade chuck (33) from piston assembly (29). Take out spring (45). Remove 2 off set screws (24) and pull out work guide (34).

Remove 4 off cap screws (10) together with 4 off lock washers (11) and take off the back end control assembly. Hold assembly in a vice and drive out pin (12) to remove safety throttle lever (13). Unscrew inlet bushing (9). With a wide bladed screwdriver remove valve screw (1) with O-ring (2) and take out air controller (4) with O-ring (3). Take out spring (5) and valve stem (6) with O-ring (7). Do not remove brass bush (8) from valve block (23) unless a replacement is required. Take off gasket (22). Grip housing (28) and tap the front end of piston assembly (29) to drive it out of the rear end of the housing (28).

To dismantle the piston assembly grip with a 7mm spanner the flats on piston assembly (29) and unscrew cap screw (21) with washer (20). Pull out piston from valve case (15). Push actuate valve (19) from rear of valve case (15). Do not remove valve sleeve (18) and 2 off pins (14) from valve case (15).

Pull out rear bumper (43) from valve case (15). Cylinder (17) may be pressed out from front end if it or the front bumper (42) needs to be replaced. Bushes (25) may be pressed out of housing (28). If chuck cover (26) needs to be replaced tap pins (44) - 2 off and these will pass into the chuck cover. It will be necessary to use 2 off new pins (44) to fit the new chuck cover.

Screw (38) is retained to prevent loss of screw by clip (37).

Reassembly

Clean all parts and examine for wear. Use only distributor or manufacturer supplied replacement parts. Look for wear on seals and bearing. Coat all parts with a pneumatic tool lubricating oil preferably one containing a rust inhibitor and reassemble in the reverse order. Make sure the saw blade is correctly fitted.

Safety Rules For A Saw

- 1) Read all the instructions before using this tool. All operators must be fully trained in its use and aware of these safety rules.
- 2) Do not exceed the maximum working air pressure.
- 3) Use personal safety equipment.
- 4) Use only compressed air at the recommended conditions.
- 5) If the tool appears to malfunction remove from use immediately and arrange for service and repair.
- 6) If the tool is used with a balancer or other support device ensure that it is fixed securely.
- 7) Always keep hands away from the working attachment fitted to the tool.
- 8) The tool is not electrically insulated. Never use the tool if there is any chance of it coming into contact with live electricity.
- 9) Always when using the tool adopt a firm footing and/or position and grip the tool firmly to be able to counteract any forces or reaction forces that may be generated whilst using the tool.
- 10) Use only correct spare parts. Do not improvise or make temporary repairs.
- 11) Do not lock, tape, wire, etc the on/off valve in the run position.

The trigger/lever etc must always be free to return to the 'off' position when it is released.

12) Always shut off the air supply to the tool, and depress the trigger/lever etc to exhaust air from the feed hose before fitting, adjusting or removing the working attachment.

13) Check hose and fittings regularly for wear. Replace if necessary. Do not carry the tool by its hose and ensure the hand is remote from the on/off control when carrying the tool with the air supply connected.

14) Take care against entanglement of moving parts of the tool with clothing, ties, hair, cleaning rags, etc. This will cause the body to be drawn towards the tool and can be very dangerous.

15) It is expected that users will adopt safe working practices and observe all relevant legal requirements when installing, using or maintaining the tool.

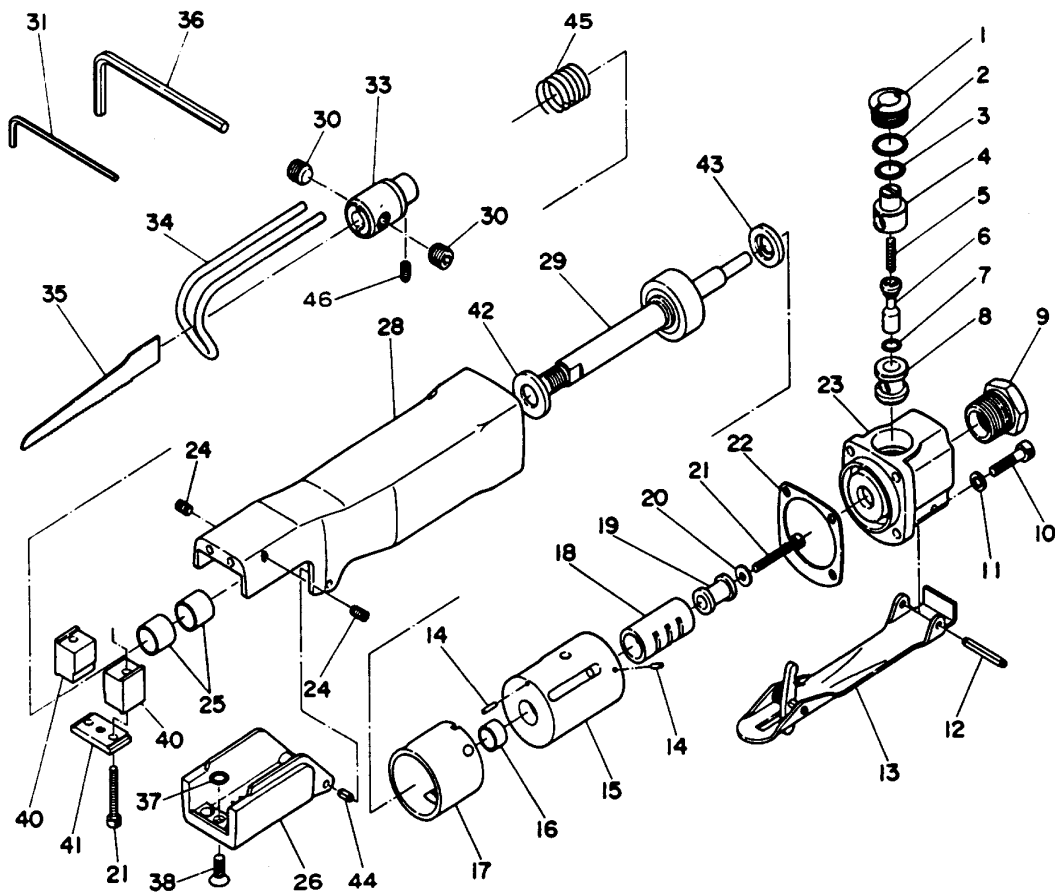
16) Do not install the tool unless an easily accessible and easily operable on/off valve is incorporated in the air supply.

17) Take care that the tool exhaust air does not cause a problem or blows on another person.

18) Never lay a tool down unless the working attachment has stopped moving.

UT8920B

Saw



Ref No	Part No	Description
1	730121	Valve Screw
2	729091	O-Ring
3	729088	O-Ring
4	730125	Air Controller
5	729258	Valve Spring
6	729862	Valve Stem
7	1008173	O-Ring
8	721138	Valve Bushing
9	729162	Inlet Bushing
10	732001	Cap Screw (4)
11	900211	Washer (4)
12	729167	Lever Pin
13	900212	Throttle Lever
14	729205	Pin (2)
15	700121	Valve Case
16	900214	Bush
17	900215	Cylinder
18	900216	Valve Sleeve
19	900217	Actuate Valve
20	900218	Washer
21	900219	Cap Screw (3)
22	700122	Gasket

Ref No	Part No	Description
23	700123	Valve Block
24	900222	Set Screw (2)
25	900223	Bush (2)
26	900281	Chuck Cover
28	700124	New Housing
29	900227	Piston Assembly
30	900228	Set Screw (2)
31	900282	Service Wrench (2mm)
33	900284	Blade Chuck
34	900232	Work Guide (Long)
	900289	Work Guide (Short)
35	H0403	Blade
36	900234	Service Wrench (4 mm)
37	732447	O-Ring
38	729336	Screw
40	900285	Blade Guide (2)
41	900286	Bridge
42	700125	Front Bumper
43	700126	Rear Bumper
44	731939	Roll Pin (2)
45	900290	Spring
46	900039	Screw

Universal Air Tool Company Limited
Unit 8, Lane End Industrial Park, High Wycombe, Bucks, HP14 3BY, England

Model UT8920B Saw, Serial Number

EN792 (Draft), EN292 Parts 1 & 2, ISO 8662 Parts 1 & 12, Pneurop PN8NTC1

following the provisions of **89/392/EEC as amended by 91/368/EEC & 93/44/EEC Directives**

D.H.Moppett (Man. Director)

[Signature]

Name and signature or equivalent marking of authorized person

Notes

Distributor

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