




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 - Capacity 1.5mm Stroke 10mm	RPM N/A Cycles Per Min 10,000	
	Model No/Nos UT5920 (UT8920A)	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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Air Pressure Recommended Working 6.3 bar 90 PSI Recommended Minimum n/a bar n/a PSI Maximum 7.0 bar 100 PSI		Noise Level Sound Pressure Level 81.0 dB(A) Test Method Tested in accordance with Pneurop test code PN8NTC1 and ISO Standard 3744
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Personal Safety Equipment Use - Safety Glasses Yes Use - Safety Gloves Use - Safety Boots Use - Breathing Masks Use - Ear Protectors	Vibration Level 24.0 Metres / Sec ² Test Method Tested in accordance with ISO standards 8662 Parts 1 & 12
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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.

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 and this pressure should not be exceeded.

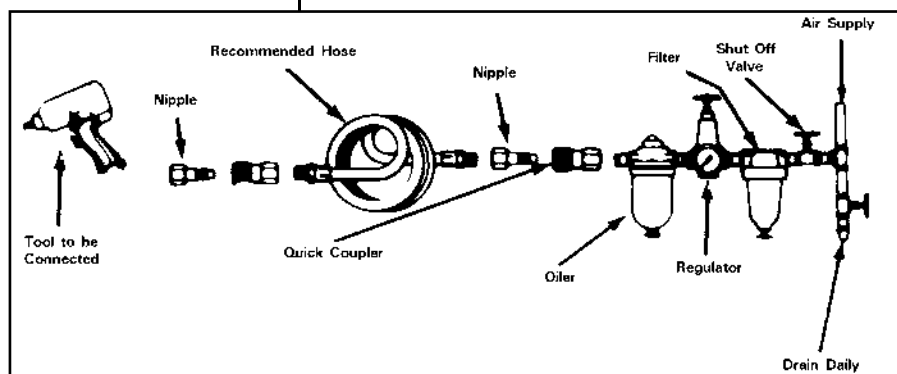
Work Stations

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



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) until it is possible to pull back the chuck cover (26) and note that screw (38) is held captive to the chuck cover (26) by a spring washer. Tap in 2 off roll pins (44) to remove chuck cover (26). Remove 2 off screws (30) and pull out blade (35). Remove 2 off screws (24) and pull out work guide (34A) or (34B). Remove 2 off cap screws (21). Remove 2 off screws (21) and remove upper wear shoe (39), 2 off blade guides (40) and bridge plate (32). Remove screw (49). Ease back spring (45) and grip the flats on the shaft on piston assembly (29) and unscrew blade chuck (33) and remove spring (45). Unscrew inlet bushing (9) and drive out pin (12) and take off lever (13).

Unscrew valve screw (1) and take out air controller (4) and O-rings (2) and (3), spring (5) and valve stem (6) with O-ring (7). Do not remove valve bushing (8) and O-ring (7A) unless a replacement is required. Remove 4 off capscrews (10) with washers (11) and take off valve block (23). Take off gaskets (48) and (22).

To dismantle piston assembly (29) grip with a spanner on the flats at the front end and unscrew capscrew (21) with washer (20). Pull out piston from valve case (15). Push actuate (19) from rear of valve case (15). Do not remove valve sleeve (18) and pins from valve case (15). Pull out rear bumper (43) from valve case (15). Cylinder (17) may be pressed out of front end if the front bumper (42) needs to be replaced. Remove bush (16) and gasket (47). Do not remove plastic sleeve (28A) from motor housing (28) unless a replacement is required.

Reassembly

Clean all parts and examine for wear. Use only manufacturer or authorised distributor supplied spare parts. Look for wear on seals and bearings. Coat all parts with a pneumatic tool lubricating oil and reassemble in the reverse order. Make sure that 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.

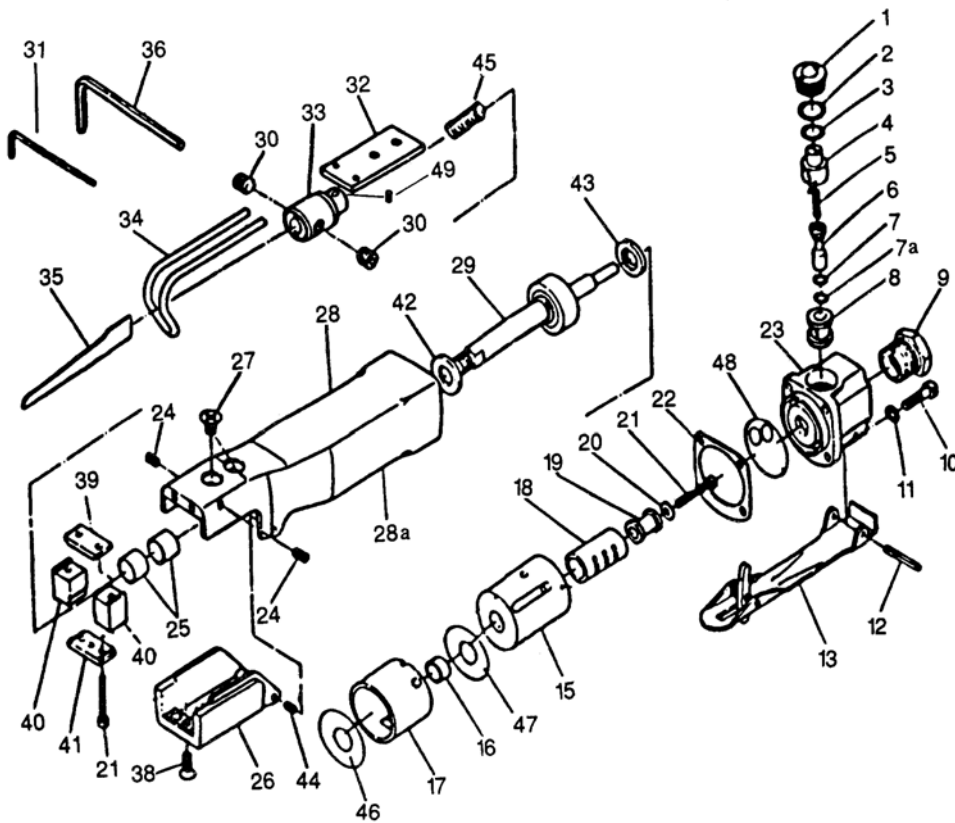
14) Take care against entanglement of moving parts of the tool with clothing, ties, hair, cleaning rags, etc. This will cause the body to be drawn towards the tool and can be very dangerous.

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.



Ref No	Part No	Description
1	0604001	Valve Screw
2	0604002	O-Ring
3	0604003	O-Ring
4	0604004	Air Controller
5	0604005	Valve Spring
6	0604006	Valve Stem
7,7A	0604007	O-Ring
8	0604008	Valve Bushing
9	0604009	Inlet Bushing
10	0604010	Cap SCrew (4)
11	0604011	Washer
12	0604012	Lever Pin
13	0604013	Throttle Lever
15	0604015	Valve Case
16	0604016	Bush
17	0604017	Cylinder
18	0604018	Valve Sleeve
19	0604019	Actuator Valve
20	0604020	Washer
21	0604021	Cap Screw (2)
22	0604022	Gasket
23	0604023	Valve Block
24	0604024	Set Screw (2)
25	0604025	Bush (2)
26	0604026	Chuck Cover

Ref No	Part No	Description
27	0604027	Screw (2)
28	0604028	Housing
28A	0604028A	Plastic Sleeve
29	0604029	Piston Assembly
30	0604030	Set Screw (2)
31	0604031	Service Wrench (2mm)
32	0604032	Guide Plate
33	0604033	Blade Chuck
34A	0604034	Work Guide (Long)
34B	0604034B	Work Guide (Short)
35A	0604035	Blade (32T)
35B	0604035B	Blade (24T)
36	0604036	Service Wrench (4mm)
38	0604038	Screw
39	0604039	Upper Wear Shoe
40	0604040	Blade Guide (2)
41	0604041	Bridge
42	0604042	Front Bumber
43	0604043	Rear Bumper
44	0604044	Roll Pin (2)
45	0604045	Spring
46	0604046	Gasket
47	0604047	Gasket
48	0604048	Gasket
49	0604049	Set Screw

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

declare under our sole responsibility that the product

Model UT5920 (UT8920A) Saw, Serial Number

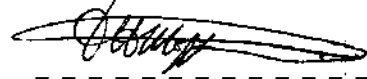
to which this declaration relates is in conformity with the following standard(s) or other normative document(s)

EN792 (Draft), EN292 Parts 1 & 2, ISO 8662 Parts 1 & 12, Pneurop PN8NTC 1

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

Lane End

D.H.Moppett (Man. Director)



Place and date of issue

Name and signature or equivalent marking of authorized person

Accessories

Notes

Distributor

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