




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 60mm Belt Sander	RPM 7000 Cycles Per Min	
	Model No/Nos UT5766	Serial No	

Product Nett Weight 2.4 lbs 1.1 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		Noise Level Sound Pressure Level 86.8 dB(A)	
Recommended Working	6.3 bar 90 PSI	Test Method Tested in accordance with Pneurop test code PN8NTC 1	
Recommended Minimum	n/a bar n/a PSI		
Maximum	7.0 bar 100 PSI		

Personal Safety Equipment	Vibration Level 1.43 Metres / Sec²
Use - Safety Glasses Yes	Test Method Tested in accordance with ISO standard 8662
Use - Safety Gloves	
Use - Safety Boots	
Use - Breathing Masks Yes	
Use - Ear Protectors	

Foreseen Use of the Tool

The tool is designed for the purpose of cleaning or sanding of materials using a continuous abrasive belt. Belts are available in various grades to suit fine finishing or fast material removal. Do not use the tool for any other purpose than that for which it was designed. Do not modify this tool for any other use or for its use as a belt sander without first consulting the manufacturer or the manufacturer's authorised distributor.

Work Stations

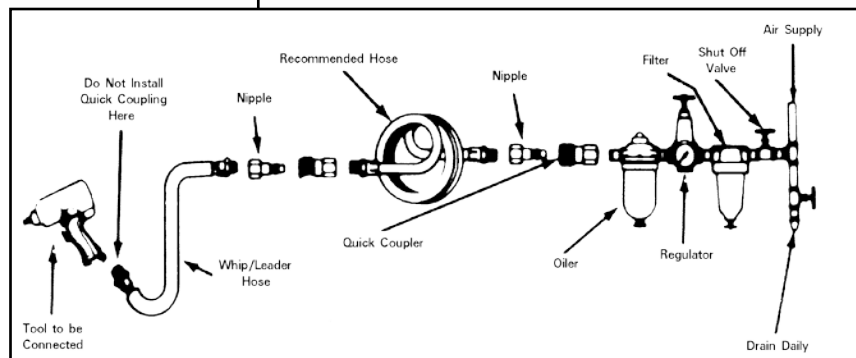
The tool should only be used as a hand held hand operated tool. It is always recommended that the tool is used when standing on a solid floor. It can be used in other positions but before any such use the operator must be in a secure position having a firm grip and footing and be aware of the safety rules to be obeyed when using the sander.

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 bar.

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

Select a suitable abrasive belt of the required grade. The belt size for this tool is 60 mm wide x 260 mm circumference (continuous belt) and is available in various grades. The coarseness of the grit decreases as the grade number increases, for example 40 is coarse and 120 very fine. Fit the belt ensuring that it sits centrally on the drive roller and the idle roller.

Apply the sander lightly to the work and allow the belt to do the work. Take great care when sanding around sharp edges and corners to avoid snagging and belt damage or breakage. It is always recommended to use safety glasses and a breathing mask. The sanding of certain materials may create a hazardous dust which may require special breathing equipment. Check before using the tool.

Even if the tool has a low noise level, the actual sanding process may create a noise such that hearing protectors should be worn.

If there are sharp edges on the material being sanded then safety gloves are recommended.

Do not continue to use belts that are clogged or worn as this will make the sanding process inefficient and the need to apply unnecessarily high loads to the tool.

Only use belts of the dimensions specified. To use an incorrect belt will either cause it to break or fly off. Both occurrences could be dangerous.

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.

Tool Maintenance

It shall be the tool owner's and/or employer's responsibility to assure that tools are maintained in a safe operating condition. Tool maintenance and repair shall be performed by authorised, trained, competent personnel. Tools shall be disconnected from their compressed air supply before repairs are attempted. Repairs shall be consistent with the manufacturer's recommended procedures. Tool, hoses and fittings shall be replaced if unsuitable for safe operation. It shall be the tool owner's and/or employer's responsibility to keep required rating markings and warnings on the tool in legible condition.

Safety Rules For A Sander

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.

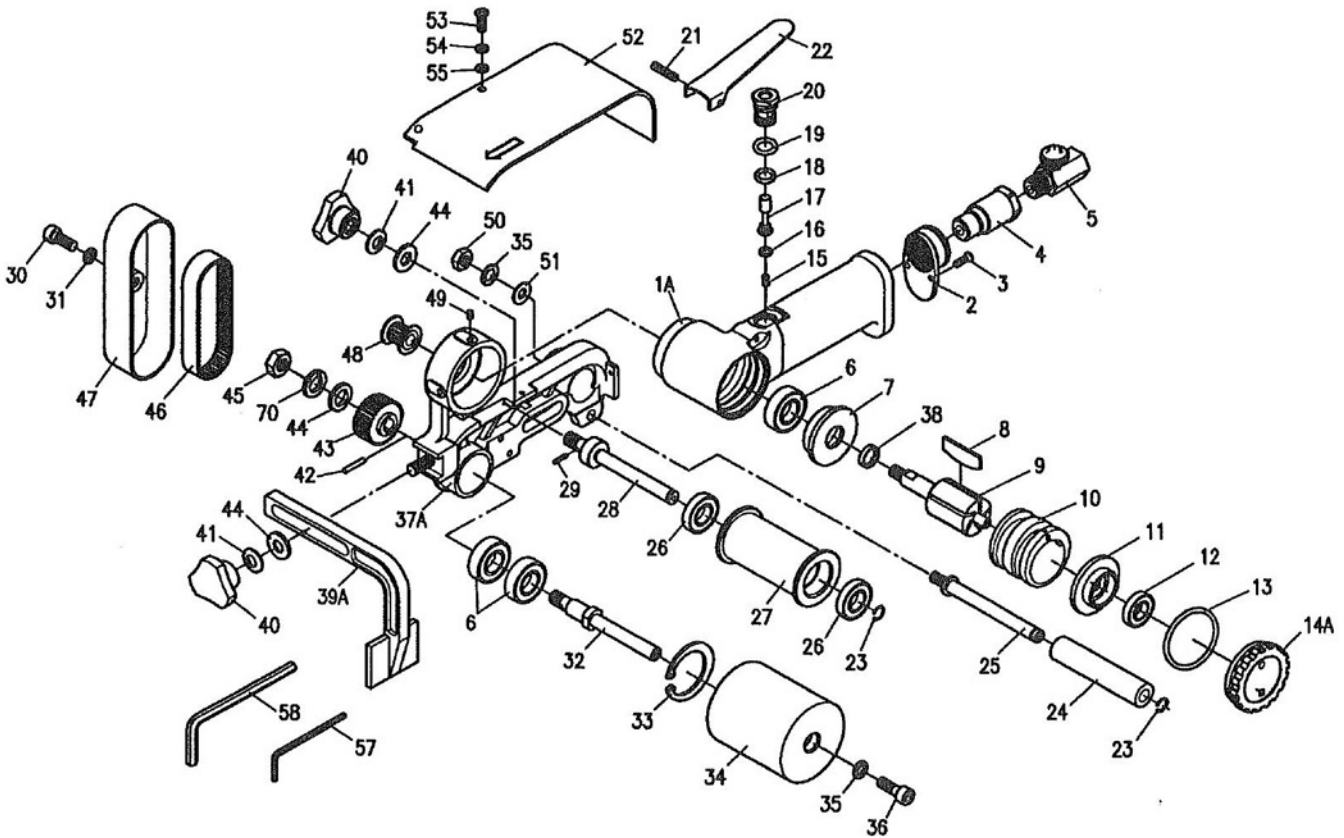
12) Always shut off the air supply to the tool, and depress the trigger/lever etc. to exhaust air from the feed hose before fitting, adjusting or removing the working attachment.

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



Ref No	Part No	Description
1A	UT5766-01A	Motor Housing
2	UT5766-02	Deflector
3	UT5766-03	Tap Screw (2)
4	UT5766-04	Inlet Bushing
5	UT5766-05	Regulator Set
6	UT5766-06	Ball Bearing (3)
7	UT5766-07	F-Bearing Case
8	UT5766-08	Rotor Blade (5)
9	UT5766-09	Rotor
10	UT5766-10	Cylinder
11	UT5766-11	B-Bearing Case
12	UT5766-12	Ball Bearing
13	UT5766-13	O-Ring
14A	UT5766-14	Motor Nut
15	UT5766-15	Spring
16	UT5766-16	O-Ring
17	UT5766-17	Valve Stem
18	UT5766-18	O-Ring
19	UT5766-19	O-Ring
20	UT5766-20	Valve Pin Sleeve
21	UT5766-21	Spring Pin
22	UT5766-22	Valve Lever
23	UT5766-23	Snap Ring (2)
24	UT5766-24	Lever Roller
25	UT5766-25	Lever Shaft
26	UT5766-26	Ball Bearing (2)
27	UT5766-27	Idler Roller
28	UT5766-28	Roller Shaft
29	UT5766-29	Spring Pin

Ref No	Part No	Description
30	UT5766-30	Cap Screw
31	UT5766-31	Spring Washer
32	UT5766-32	Driver Shaft
33	UT5766-33	Snap Ring
34	UT5766-34	Driver Roller
35	UT5766-35	Spring Washer (2)
36	UT5766-36	Cap Screw
37A	UT5766-37A	Frame
38	UT5766-38	Spacer
39A	UT5766-39A	Guide
40	UT5766-40	Knob (2)
41	UT5766-41	Washer (2)
42	UT5766-42	Needle Pin
43	UT5766-43	Pulley
44	UT5766-44	Washer (2)
45	UT5766-45	Nut
46	UT5766-46	Belt
47	UT5766-47	Belt Cover
48	UT5766-48	Pulley
49	UT5766-49	Set Screw (2)
50	UT5766-50	Nut
51	UT5766-51	Washer
52	UT5766-52	Wheel Cover
53	UT5766-53	Screw (3)
54	UT5766-54	Spring Washer (3)
55	UT5766-55	Washer (3)
57	UT5766-57	Hex Wrench (2.5mm)
58	UT5766-58	Hex Wrench (5mm)
70	UT5766-70	Spring Washer

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 UT5766 60mm Belt Sander, 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, 2 & 14, Pneurop PN8NTC1

following the provisions of **Directive 2006/42/EC**

Lane End

ARTHUR PATERSON



Place of issue

For and on behalf of the company

Accessories

Notes

Distributor

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