



Universal Tool

Operator Instructions

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

Manufacturer/Supplier

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| | | | |
|--|--|---|---|
| Product Nett Weight 2.14 lbs 0.97 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 |
|--|--|---|---|

| | | | |
|---------------------|-------------------------------|---|--|
| Air Pressure | | Noise Level Sound Pressure Level 86.0 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 3.8 Metres / Sec² |
| Use - Safety Glasses Yes | Test Method Tested in accordance with ISO standard 8662 |
| Use - Safety Gloves | |
| Use - Safety Boots | |
| Use - Breathing Masks | |
| Use - Ear Protectors | |

Foreseen Use of Tool

This tool is designed to be used to assist in the removal of automobile windshields by cutting the rubber/rubber bonding that holds the windshield in place. It can also be used for the removal of body protection mouldings and emblems on automobiles. Do not use the tool for any other purpose than that specified unless first checking with the manufacturer or an authorised distributor. Unless first approved by the manufacturer or an authorised distributor, never modify the tool for any other use or for its use as a windshield removal tool.

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.

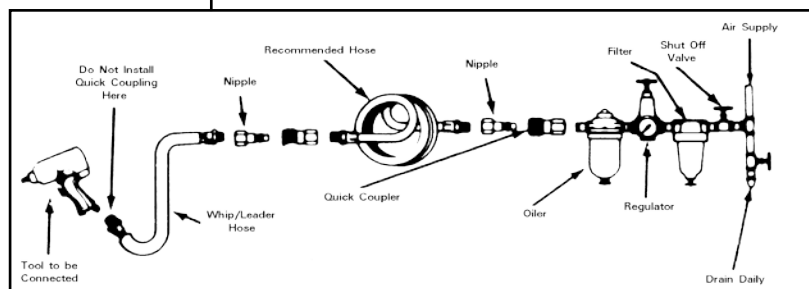
Work Stations

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



Operating

Fit cutter as required. Cutter blades are covered with a plastic tube. It is recommended to avoid cutting the hands and/or parts of the body that this plastic tube is in place when fitting or removing the cutter and when the tool is not in use.

When using the tool apply firm pressure and allow the tool to cut - do not force the cutter. A spray of a diluted "washing up" liquid will reduce friction and assist the cutting action by reducing friction.

The speed of the tool can be varied by installing an air regulator on the airline.

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 an Air Knife

- 1) Prolonged exposures to vibration can cause injury.
- 2) As this tool has a high vibration level, try to hold the tool when running free for the shortest time period possible.
- 3) Read all instructions before using this tool. All operators must be fully trained in its use and aware of these safety rules.
- 4) Do not exceed the maximum working air pressure.
- 5) Use personal protection equipment as recommended.
- 6) Use only compressed air at the recommended conditions.
- 7) If the tool appears to malfunction, remove from use immediately and arrange for service and repair. If it is not practical to remove the tool from service, then shut off the air supply to the tool and write or have written a warning note and attach it to the tool.
- 8) If the tool is to be used with a balancer or other suspension device, ensure that the tool is firmly attached to the suspension/support device.
- 9) When operating the tool, always keep the body and particularly the hands away from the working attachment fixed to the tool.
- 10) The tool is not electrically insulated. Never use the tool if there is any chance of coming into contact with live electricity.
- 11) Always when using the tool, adopt a firm footing and/or position and grip the tool sufficiently only to overcome any reaction forces that may result from the tool doing work. Do not over grip.
- 12) Use only approved spare parts for maintenance and repair. Do not modify or make temporary repairs. Major servicing and repairs should only be carried out by persons trained to do so.
- 13) Do not lock, tape, wire, etc. the 'On/Off' valve in 'On' position. The trigger lever, etc. must always be free to return to the 'Off' position when released.
- 14) Always shut off the air supply to the tool and press the 'On/Off' valve to exhaust the air from the feed hose before fitting, removing or adjusting the working attachment fitted to the tool.
- 15) Before using the tool make sure that a shut off device has been fitted to the supply line and the position is known and easily accessible so that the supply to the tool can be shut off in an emergency.
- 16) Check hose and fittings regularly for wear.
- 17) Take care against entanglement of the moving parts of the tool with clothing, hair, ties, cleaning rags, rings, jewellery, watches, bracelets, etc. This could cause the body or parts of the body to be drawn towards and in contact with the moving parts of the tool and could be very dangerous.
- 18) It is expected that users will adopt safe working practices and observe all local, regional or country legal requirements when installing, using or maintaining the tool.
- 19) Take care that the exhaust air does not point towards any other person or material or substance that could be contaminated by oil

droplets. When first lubricating a tool or if the tool exhaust has a high oil content, do not allow the exhaust air to come near very hot surfaces or flames.

20) Never lay the tool down until the working attachment has stopped moving.

21) When the tool is not in use, shut off the air supply and press trigger/lever to drain the supply line. If the tool is not to be used for a period of time, first lubricate, disconnect from air supply and store in a dry average room temperature environment.

22) If the tool is passed from one user to a new or inexperienced user, make sure these instructions are available to be passed with the tool.

23) Do not remove any manufacturer fitted safety devices where fitted, i.e. wheel guards, safety trigger, speed governors, etc.

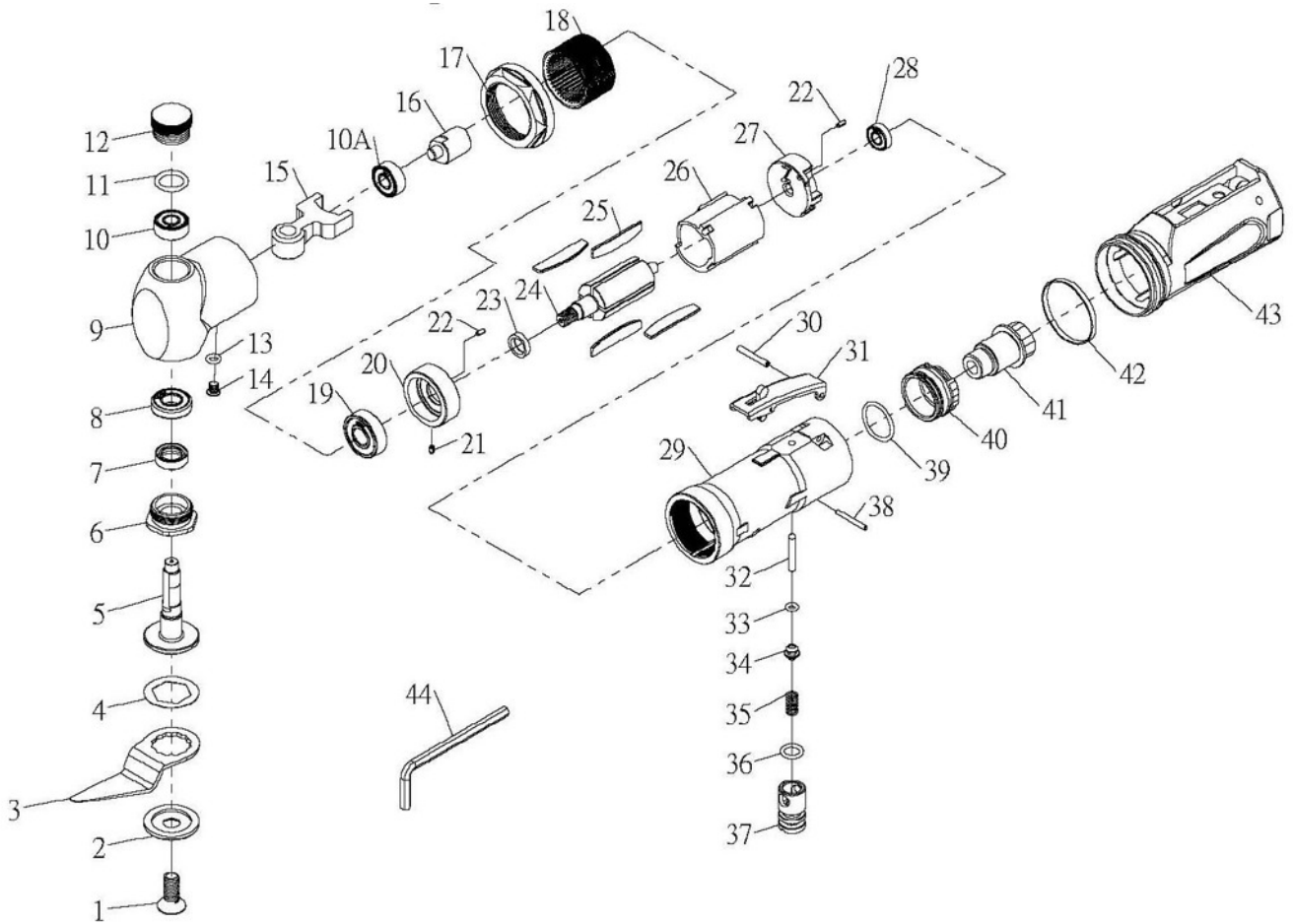
24) Where ever possible, secure workpiece with clamps, a vice, etc. to make it rigid so it does not move during the work operation. Keep good balance at all times. Do not stretch or overreach.

25) Try to match the tool to the work operation. Do not use a tool that is too light or heavy for the work operation. If in doubt, seek advice.

26) In general terms this tool is not suitable for underwater use or use in explosive environments) seek advice from manufacturer.

27) Try to make sure that the work area is clear to enable the work task to be performed safely. If practical and possible, try to clear unnecessary obstructions before starting work.

28) Always use air hose and couplings with minimum working pressure ratings at least 1 1/2 times the maximum working pressure rating of the tool.



| Ref No | Part No | Description |
|--------|-----------|-----------------|
| 1 | 616BN-01 | Screw |
| 2 | 616BN-02 | Retainer |
| 3 | 616BN-03 | Blade 57mm |
| 4 | 616BN-04 | Packing |
| 5 | 616BN-05 | Spindle Drive |
| 6 | 616BN-06 | Nut Clamp |
| 7 | 616BN-07 | Seal Oil |
| 8 | 616BN-08 | Ball Bearing |
| 9 | 616BN-09 | Head |
| 10 | 616BN-10 | Ball Bearing |
| 10A | 616BN-10A | Ball Bearing |
| 11 | 616BN-11 | O-Ring |
| 12 | 616BN-12 | Plug |
| 13 | 616BN-13 | O-Ring |
| 14 | 616BN-14 | Screw |
| 15 | 616BN-15 | Fork Drive |
| 16 | 616BN-16 | Shaft Crank |
| 17 | 616BN-17 | Coupling Nut |
| 18 | 616BN-18 | Internal Gear |
| 19 | 616BN-19 | Ball Bearing |
| 20 | 616BN-20 | Front End Plate |
| 21 | 616BN-21 | Spring Pin |
| 22 | 616BN-22 | Spring Pin |

| Ref No | Part No | Description |
|--------|----------|-----------------------|
| 23 | 616BN-23 | Washer |
| 24 | 616BN-24 | Rotor |
| 25 | 616BN-25 | Rotor Blade (4) |
| 26 | 616BN-26 | Cylinder |
| 27 | 616BN-27 | Rear End Plate |
| 28 | 616BN-28 | Ball Bearing |
| 29 | 616BN-29 | Motor Housing |
| 30 | 616BN-30 | Spring Pin |
| 31 | 616BN-31 | Safety Lever Assembly |
| 32 | 616BN-32 | Valve Shaft |
| 33 | 616BN-33 | O-Ring |
| 34 | 616BN-34 | Throttle Valve |
| 35 | 616BN-35 | Valve Spring |
| 36 | 616BN-36 | O-Ring |
| 37 | 616BN-37 | Valve Screw |
| 38 | 616BN-38 | Spring Pin |
| 39 | 616BN-39 | O-Ring |
| 40 | 616BN-40 | Exhaust Sleeve |
| 41 | 616BN-41 | Inlet Bushing |
| 42 | 616BN-42 | "O" Rubber Band |
| 43 | 616BN-43 | Housing Cover |
| 44 | 616BN-44 | Key |

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 UT6 16BN Windscreen Cutter, 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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