



# 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<br><b>Universal Air Tool Company Limited</b><br><b>Unit 8</b><br><b>Lane End Industrial Park</b><br><b>High Wycombe</b><br><b>Bucks</b><br><b>HP14 3BY</b><br><br>Tel No <b>(01494) 883300</b> Fax No <b>(01494) 883237</b> |  |                                                            |     | Product Type<br><b>10mm Stapler</b>                                                   |     | RPM<br><b>N/A</b><br>Cycles Per Min<br><b>N/A</b>              |  |  |  |
|                                                                                                                                                                                                                                                   |  |                                                            |     | Model No/Nos<br><b>UT021A (HP021)</b>                                                 |     | Serial No                                                      |  |                                                                                     |  |
| Product Nett Weight<br><b>2.42</b> lbs<br><b>1.1</b> Kg                                                                                                                                                                                           |  | Recommended Use Of<br>Balancer Or Support<br><br><b>No</b> |     | Recommended Hose Bore<br>Size - Minimum<br><b>3/8</b> Ins <b>10</b> M/M               |     |                                                                |  | Recommended Max.<br>Hose Length<br><br><b>30</b> Ft <b>10</b> M                     |  |
| Air Pressure                                                                                                                                                                                                                                      |  |                                                            |     | Noise Level <b>Sound Pressure Level 88.4 dB(A)</b><br><b>Peak C Level 116.0 dB(A)</b> |     |                                                                |  |                                                                                     |  |
| Recommended Working                                                                                                                                                                                                                               |  | <b>6.3</b>                                                 | bar | <b>90</b>                                                                             | PSI | Test Method <b>Tested in accordance with ISO Standard 3744</b> |  |                                                                                     |  |
| Recommended Minimum                                                                                                                                                                                                                               |  | <b>n/a</b>                                                 | bar | <b>n/a</b>                                                                            | PSI |                                                                |  |                                                                                     |  |
| Maximum                                                                                                                                                                                                                                           |  | <b>7.0</b>                                                 | bar | <b>100</b>                                                                            | PSI |                                                                |  |                                                                                     |  |
| Personal Safety Equipment                                                                                                                                                                                                                         |  |                                                            |     | Vibration Level <b>4.4 Metres / Sec<sup>2</sup></b>                                   |     |                                                                |  |                                                                                     |  |
| Use - Safety Glasses                                                                                                                                                                                                                              |  | <b>Yes</b>                                                 |     | Test Method <b>Tested in accordance with ISO standard 8662/1</b>                      |     |                                                                |  |                                                                                     |  |
| Use - Safety Gloves                                                                                                                                                                                                                               |  |                                                            |     |                                                                                       |     |                                                                |  |                                                                                     |  |
| Use - Safety Boots                                                                                                                                                                                                                                |  |                                                            |     |                                                                                       |     |                                                                |  |                                                                                     |  |
| Use - Breathing Masks                                                                                                                                                                                                                             |  |                                                            |     |                                                                                       |     |                                                                |  |                                                                                     |  |
| Use - Ear Protectors                                                                                                                                                                                                                              |  | <b>Yes</b>                                                 |     |                                                                                       |     |                                                                |  |                                                                                     |  |

## Foreseen Use of Tool

This tool is designed for the purpose of driving staples for only the sizes as indicated in the section "Operating". Do not use the tool for any other purpose. Do not modify the tool to be used for any other purpose or for its use as a stapler without first agreeing any such modifications with the manufacturer or an authorised distributor.

## Work Stations

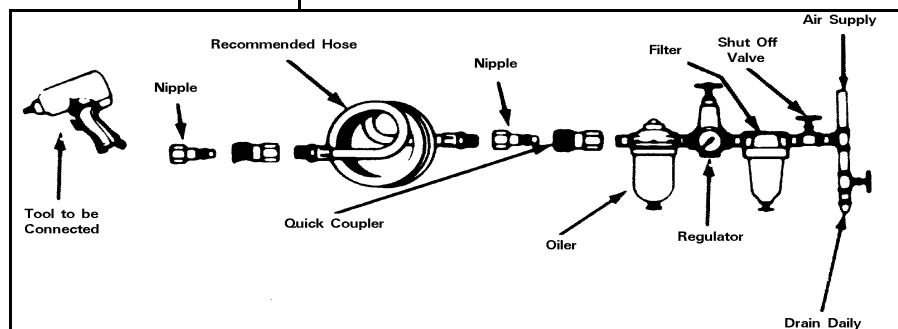
The tool should only be used as a handheld, hand operated tool. It is always recommended that the tool is used when standing on a solid floor. It can be used in other positions but before any such use, the operator must be in a secure position having a firm grip and footing and be aware of a reaction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

## Putting Into Service

### Air Supply

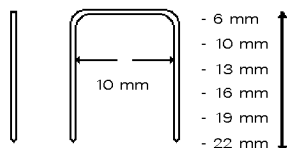
Use a clean lubricated air supply that will give a measured air pressure at the tool of 90 p.s.i./6.3 bar when the tool is running with the trigger fully depressed. Use recommended hose size and length. It is recommended that the tool is connected to the air supply as shown in figure 1. Do not connect 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.



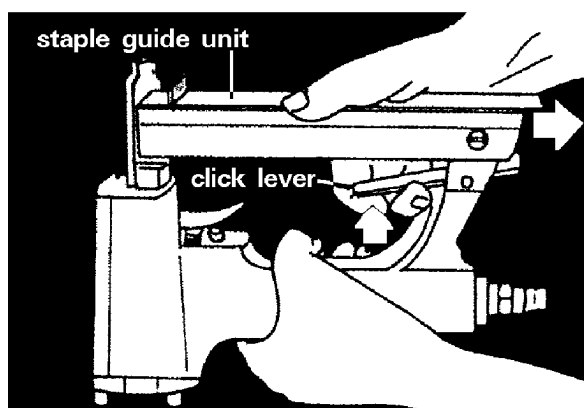
## Operating

Actual Size of Staples Used with  
the stapler  
Do not use any other size

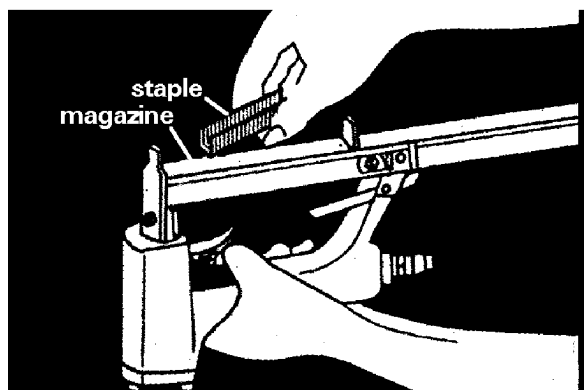


### 1. Staple Loading

A Disengage the click lever (37) and pull back on the staple guide unit (43).

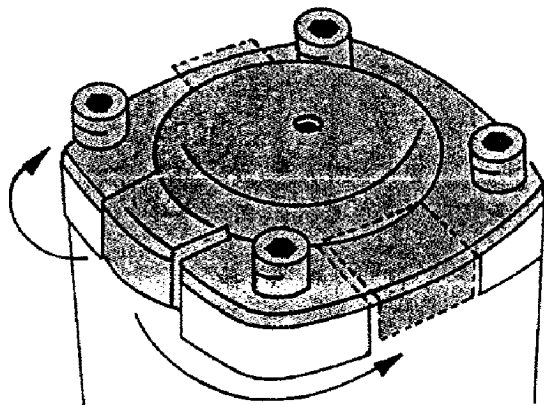


B. Insert the staples into the magazine. **Caution: Load with points upward.** Push the staple guide unit in and set the click lever.



### 2. Changing the position of the exhaust port

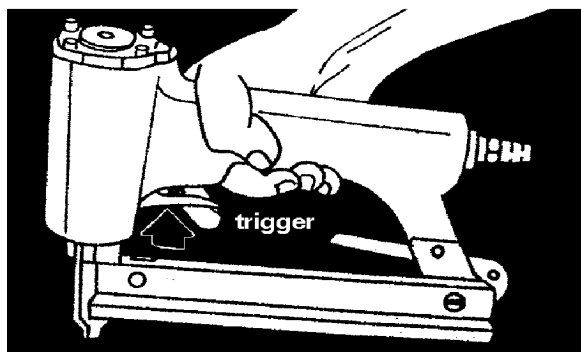
The position of the exhaust port can be changed as desired to conform to the work conditions. It can be set either to the front, the right, or the left by removing the bolts on the top of the exhaust cover and rotating the cover to the required position. **Caution:** When changing the position of the port, disconnect the air chuck and be careful not to misplace the compression spring.



### 3. Firing Methods

Place the tip of the contact arm on the position to be nailed and pull the trigger to discharge the nail.

**Only ever fire the tool when the nose of the tool is pressed hard against the work piece. Never operate the tool otherwise.**



## Dismantling & Assembly Instructions

Disconnect tool from air supply.

Grip body (19) in a vice fitted with soft jaws and remove air plug (32). Take out 2 off screws (38) and operate click lever (37) and slide off staple guide unit (43). Slide off pusher (42) and disengage from each end of pusher spring (41). Unscrew nut (36) from hex bolt (1) and remove both items. Unscrew 2 off screws (1) and remove spacer (34) and pull off magazine unit (35) with driver guide (44). Remove 'E' ring (30) and pull out stepped pin (39) and remove click lever (37) and coil spring (40). Remove a second 'E' ring (30) and pull out stepped pin (22) and take off trigger (21), spring (29) and unscrew trigger valve guide (27) and separate seal (23), trigger valve head (24), trigger valve stem (25) and O-rings (26) and (28). Take out 4 off screws (1) and remove exhaust cover (2), spring (3) and seal (4). Remove O-ring (16) and pipe (17) and O-ring (18) from body (19). Take off cylinder cap unit (5) and remove O-rings (6) and (7) from it. Pull out piston assembly (31) and head piston valve (9). Remove O-ring (33) from piston assembly (31) and flat washer (8), piston stop (10) and O-rings (11) and (12) from head piston valve (9). Remove collar (13), cylinder (14) and bumper (15) from body (19) and remove O-ring (11) from cylinder (14).

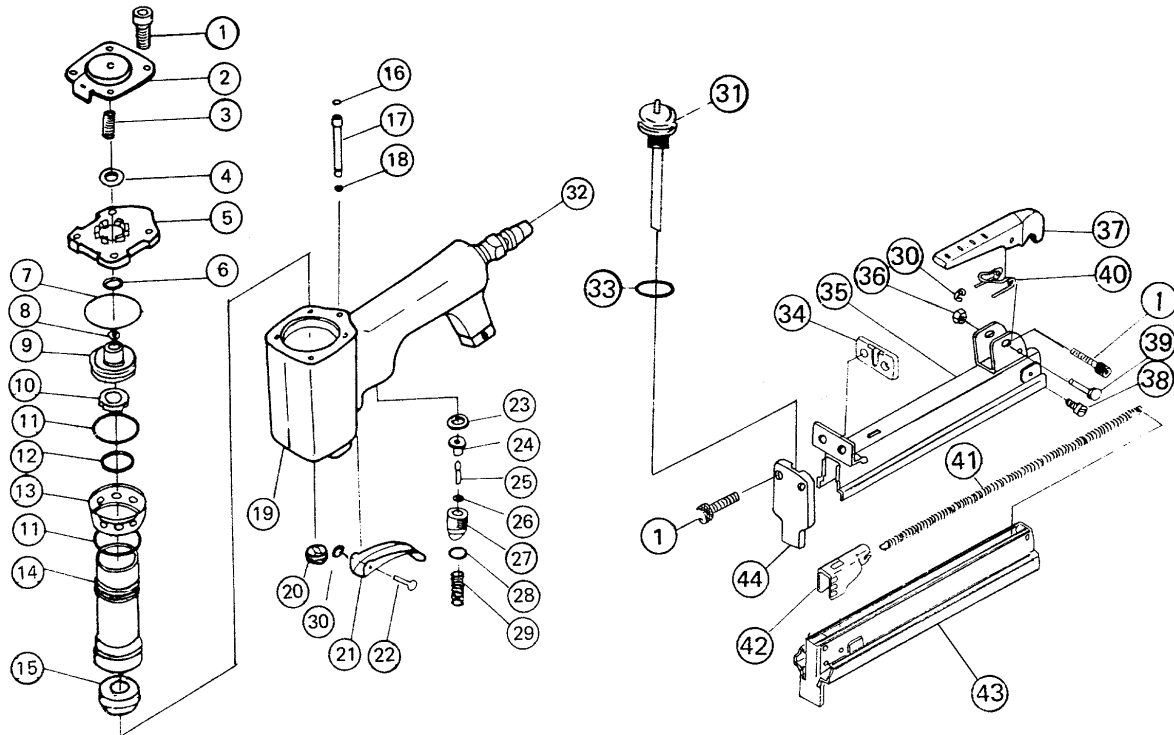
### Reassembly

Clean and examine all parts, particularly seals and O-rings for wear and reassemble in the reverse order. Use only manufacturer or authorised distributor supplied spare parts.

## Safety Rules When Using a Stapler

- 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.

## UT021A (HP021) 10mm Stapler



| Ref No | Part No  | Description         |
|--------|----------|---------------------|
| 1      | AB-50220 | Hexagonal Bolt (6)  |
| 2      | AL-11001 | Exhaust Cover       |
| 3      | AK-89165 | Compression Spring  |
| 4      | AH-20012 | Seal                |
| 5      | AL-11002 | Cylinder Cap Unit   |
| 6      | AH-14025 | O-Ring              |
| 7      | AH-40010 | Special O-Ring      |
| 8      | AE-38505 | Special Flat Washer |
| 9      | AL-11003 | Head Piston Valve   |
| 10     | AL-11004 | Piston Stop         |
| 11     | AH-31024 | Special O-Ring (2)  |
| 12     | AH-25032 | O-Ring              |
| 13     | AL-11005 | Collar              |
| 14     | AL-11006 | Cylinder            |
| 15     | AL-11007 | Bumper              |
| 16     | AH-05011 | Special O-Ring      |
| 17     | AL-11009 | Pipe                |
| 18     | AH-04125 | Special O-Ring      |
| 19     | AL-11022 | Body                |
| 20     | AL-11011 | Nozzle              |
| 21     | AL-11012 | Trigger             |
| 22     | AF-30150 | Stepped Pin         |

| Ref No | Part No  | Description           |
|--------|----------|-----------------------|
| 23     | AH-12515 | Seal                  |
| 24     | AL-11013 | Trigger Valve Head    |
| 25     | AL-11014 | Trigger Valve Stem    |
| 26     | AH-03515 | Special O-Ring        |
| 27     | AL-11015 | Trigger Valve Guide   |
| 28     | AH-11020 | O-Ring                |
| 29     | AK-80145 | Compression Spring    |
| 30     | AJ-40023 | E-Ring (2)            |
| 31     | AL-11031 | Piston Cover & Driver |
| 32     | AL-11008 | Air Plug              |
| 33     | AH-21330 | Piston O-Ring         |
| 34     | AL-11050 | Spacer                |
| 35     | AL-11049 | Magazine Nut          |
| 36     | AC-05036 | Hexagonal Nut         |
| 37     | AL-11043 | Click Lever           |
| 38     | AL-11058 | Stop Bolt             |
| 39     | AF-30180 | Stepped Pin           |
| 40     | AK-83032 | Coil Spring           |
| 41     | AK-40180 | Pusher Spring         |
| 42     | AL-11045 | Pusher                |
| 43     | AL-11046 | Staple Guide Unit     |
| 44     | AL-11044 | Driver Guide          |

**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 UT021A (HP021) 10mm Stapler, Serial Number**

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

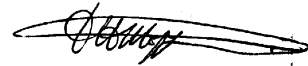
**EN792 (Draft), EN292 Parts 1 & 2, ISO 8662/1, Pneurop PN8NTC1**

following the provisions of

**89/392/EEC as amended by 91/368/EEC & 93/44/EEC**

**Lane End**

**D.H.Moppett (Man Director)**



Place and date of issue

Name and signature or equivalent marking of authorised person

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) When completing work task or leaving the tool for a period of time, take out all the fasteners from the magazine and be sure not to leave any fastener in the firing head.

19) Periodically check all screws for tightness. Tighten any loose screws before proceeding to use tool.

**Notes**

**Accessories**

**Distributor**