Air Riveter Kit

Stock No.33746 **Part No.4296K**

INSTRUCTIONS **02/2009**

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY TO ENSURE THE SAFE AND EFFECTIVE USE OF THIS TOOL.

SPECIFICATION

The Draper Tools policy of continuous improvement determines the right to change specification without notice.

Stock no.	33746
Part no.	4296K
Rivet capacity	2.4, 3.2, 4.0 and 4.8mm
Traction power	998kg
Max. operating air pressure	60-90psi (4.1 - 6.2bar)
Average air consumption	4.2cfm (119L/min)
Min. air line size (inner Ø)	⅜" (10mm)
Air inlet	¼" BSP
Sound pressure level†	85.0dB(A)
Vibration level	>2.5m/s^2
Weight	1.6kg

WARNING: WEAR APPROVED SAFETY GLASSES AND EAR DEFENDERS

† Continuous A-Weighted Sound Pressure Level at the workstation in accordance to prEN ISO 15744:1999 and declared according to EN ISO 4871.

GUARANTEE

Draper air tools have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship for 6 months from the date of purchase except where tools are hired out when the guarantee period is ninety days from the date of purchase.

Should the machine develop any fault, please return the complete tool to your nearest authorised warranty repair agent or contact Draper Tools Limited, Chandler's Ford, Eastleigh, Hampshire, SO53 1YF. England. Telephone Sales Desk: (023) 8049 4333 or Product Helpline (023) 8049 4344.

A proof of purchase must be provided with the tool.

If, upon inspection it is found that the fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. This guarantee does not apply to normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accident, or repairs attempted or made by any persons other than the authorised Draper warranty repair agent.

Note: If the tool is found not to be within the terms of warranty, repairs and carriage charges will be quoted and made accordingly.

This guarantee applies in lieu of any other guarantee expressed or implied and variation of its terms are not authorised.

Your Draper guarantee is not effective unless you can produce upon request a dated receipt or invoice to verify your proof of purchase within the guarantee period.

Please note that this guarantee is an additional benefit and does not affect your statutory rights.

GENERAL SAFETY INSTRUCTIONS

IMPORTANT:
Draper Tools Limited recommends that this machine should not be modified or used for any application other than that for which it was designed. If you are unsure of its relative applications do not hesitate to contact us in writing and we will advise you.

- Power tools shall not be used in potentially explosive atmospheres unless specifically designed for that purpose;
- Unexpected tool movement due to reaction forces or breakage of inserted tool or reaction bar may cause injuries;
- Power tools shall be isolated from the energy source before changing or adjusting the inserted tool;
- **WARNING:**
  - There is a risk of being injured by whipping air hoses.
  - Power tools shall not be used in explosive atmospheres unless specially designed for that purpose.
  - Unsuitable postures may not allow counteracting of normal or unexpected movement of the power tool.
  - Power tools shall be isolated from the energy source before changing the inserted tool.
  - The power tool is fixed to supension device make sure that the fixation is secure.
  - Risk of crushing if nose equipment is not fitted.
  - Check that the protection against ejection of fastener and/or stem is in place and is operative.
- Adopt a suitable posture to counteract normal or unexpected movement of the power tool due to reaction forces from the power assembly tool;
- Release the start and stop device in the case of an interruption of the energy supply;
- Only lubricants recommended by the manufacturer shall be used;
- Release pressure when not in use. Disconnect from air line;
- Do not modify this riveter in any way.
- Do not carry or move the tool by the air line.
- In the event of hydraulic fluid/monograde oil contact or spillage refer to the manufacturer's datasheet. As a general guide refer below.

HYDRAULIC FLUID DATA SHEET:

Always wear gloves and goggles when dealing with hydraulic fluid.

Hydraulic fluid composition is achieved when highly refining mineral oil by means of a solvent.

As a substance is not considered to be hazardous to health under normal conditions of use.

First Aid recommendations

- In case of ingestion:
  Wash out mouth with clean water and seek medical advice.
  Do not induce vomiting.
- In case of contact with eyes:
  Thoroughly flush eyes with clean water for 5 to 10 minutes and seek medical advice.
- In case of contact with skin:
  Wash area with soap and water. Remove effected clothing and wash. If irritation persists, seek medical advice.
- Other:
  Seek medical advice immediately.

Hydraulic fluid is a combustible and in the event of fire should be extinguished using a foam or dry powder fire extinguisher. Do not use water.

In the event of accidental release into the environment measures to prevent spread must be adhered. Do not contaminate rivers, water ways or drains. Spillage should be contained with sand, grit or other appropriate barriers.

Warn bystanders as spillage may present a slip hazard.

Hydraulic fluid is not considered biodegradable and may in fact bioaccumulate.

IMPORTANT NOTE:
Residual Risk. Although the safety instructions and operating manuals for our tools contain extensive instructions on safe working with power tools, every power tool involves a certain residual risk which can not be completely excluded by safety mechanisms. Power tools must therefore always be operated with caution!

AIR SUPPLY

FAILURE TO FOLLOW THESE INSTRUCTIONS WILL LEAD TO PREMATURE MALFUNCTION OF THE EQUIPMENT WHICH IS NOT COVERED BY THE GUARANTEE.

- **HYDRAULIC FLUID SPECIFICATION:**

Hydraulic fluid viscosity refers to it's properties to flow and how it reacts with heat. A low viscosity is thinner than a high viscosity.

Hydraulic fluid becomes thinner as it heats so choosing the right viscosity is essential. If the viscosity is too low it may provide insufficient lubrication when heated. Equally if it is too high the fluid may provide excessive resistance to move through the lines when cold.

The ISO (International Standards Organisation) viscosity grading system measures the kinematic viscosity in centistokes (cSt) at 40° which is todays accepted standard. The SAE (Society of Automotive Engineers) viscosity grade value is based on a scale.

This equipment is suited to an ISO grade 22-32 (SAE grade 5W-15W) hydraulic fluid or monograde oil.

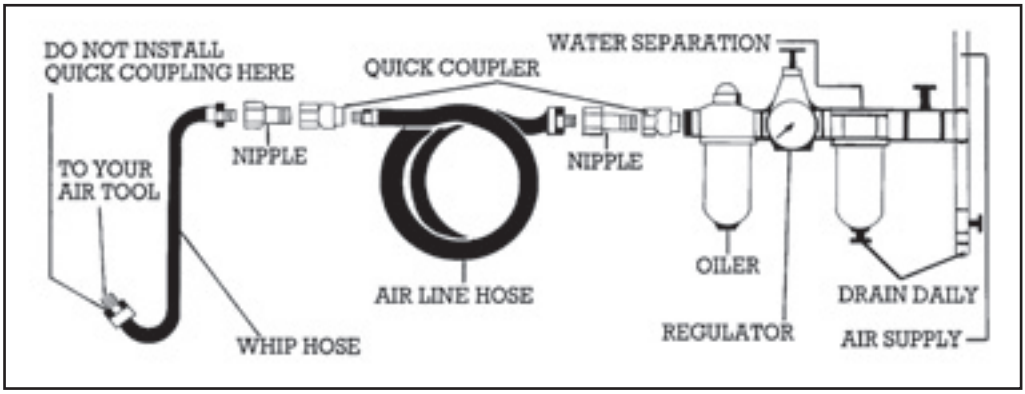
The fluid must be constantly supplied to the equipment during use to ensure complete lubrication and optimum performance is achieved. It also acts as a rust inhibitor when the equipment is not in use. Most of the major brand petroleum companies produce a suitable lubricant to the above specifications.

This air tool operates at a maximum pressure of 90psi and must be controlled via a combined regulator/oil/water separator such as the Draper 4222/3 unit which with proper maintenance will ensure a constant supply of dry air and lubricating oil at all times (see illustration below). Always check machine operating pressure before use.

WATER IN THE COMPRESSOR TANK WILL CAUSE SERIOUS CORROSION TO YOUR AIR TOOLS AND SHOULD BE DRAINED DAILY TO AVOID EXCESSIVE WATER IN YOUR AIR SUPPLY. DIRTY WET AIR RAPIDLY SHORTENS THE LIFE OF YOUR AIR TOOL.

If you are using an air tool on a hose over 25ft. long it is advisable to increase the bore of the hose to the next larger size available ie. ¼" increases ⅜". This will ensure adequate pressure and volume of air to power the machine.

RECOMMENDED AIR SUPPLY SET UP



After each use and before prolonged storage lubricate the equipment with approximately 1.5ml of oil directly down the air inlet.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	REQUIRED ACTION
▪ Tool will not operate. Air flows slightly from exhaust. Spindle turns freely.	▪ Motor or throttle seized with dirt.	▪ Check for dirt in air inlet. ▪ Pour air tool lubricating oil into air inlet. ▪ Operate trigger in short bursts. ▪ Disconnect air line supply, then turn spindle by hand. Reconnect air supply. ▪ If motor fails to turn return to service agent.
▪ Tool runs slowly. Air flows freely from exhaust.	▪ Rotor vane seized.	▪ Pour air tool lubricating oil into air inlet. ▪ Operate tool in short bursts. ▪ Tap motor housing gently with plastic mallet. ▪ If still not functional, return to service agent.
▪ Spindle seized.	▪ Motor vane broken.	▪ Return to service agent.
▪ Tool will not shut off.	▪ 'O' rings throttle valve dislodged from seat inlet valve.	▪ Replace 'O' ring or return to service agent.

DISPOSAL

During decommissioning of the equipment certain hazards should be understood and avoided:

- Dealing with hydraulic fluid - refer to the data sheet section for details.
- Only with the line pressure released shall the equipment be disassembled. Goggles should be worn.

CONTACTS

- **DRAPER TOOLS LIMITED,**
  Hursley Road, Chandler's Ford,
  Eastleigh, Hampshire. SO53 1YF. U.K.
- **Helpline:** (023) 8049 4344
- **Sales Desk:** (023) 8049 4333
- **Internet:** www.draper.co.uk
- **E-mail:** sales@drapertools.com
- **Sales Fax:** (023) 8049 4209
- **General Enquiries:** (023) 8026 6355
- **Service/Warranty Repair Agent**
  For aftersales servicing or warranty repairs, please contact the Draper Tools Helpline for details of an agent in your local area.