KINCROME®

PROFESSIONAL QUALITY TOOLS

INDUSTRIAL AIR HYDRAULIC RIVETER

- 2 YEAR WARRANTY
- STAINLESS STEEL, ALUMINIUM, & STEEL RIVETS
- 4 NOSE PEICES
- 1219KG TRACTION POWER



K13270

ED1 December 15

KINCROME
PROFESSIONAL QUALITY TOOLS

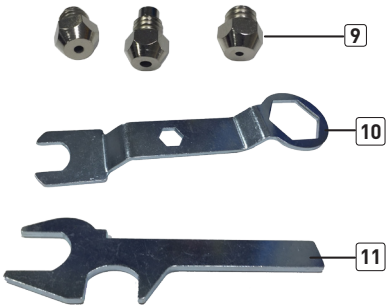
INDUSTRIAL AIR HYDRAULIC RIVETER

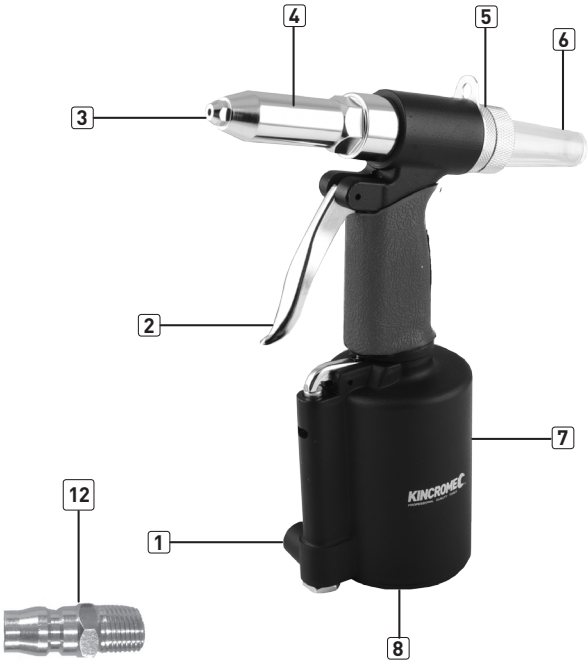
Table of Contents

Know Your Product 1
General Safety Instructions 2
Additional Safety Instructions 3-4
Assembly 4-5
Operation 5-6
Maintenance & Warranty 6-7
Parts Breakdown 8

Know your product

1. Air Inlet
2. Trigger
3. Nose Piece (3/16", 1/8", 3/32", 5/32")
4. Frame Head
5. Frame Cap Nut
6. Frame Cap
7. Cylinder
8. Lock Nut
9. Noise Pieces (3/16",1/8", 3/32", 5/32")
10. Riveter Wrench
11. Jaw Wrench
12. Nitto Style Fitting





Model No:	K13270
Description:	Industrial Air Hydraulic Riveter
Air Inlet:	1/4"
Average Air Consumption:	123 LPM (3.5CFM)
Number Of Jaws	2
Traction Power	2680 LBS (1219kg)
Air Pressure (max.):	60-100 psi
Hose Length (max.):	10 meters
Hose Diameter (min.):	10mm (3/8")
Tool Length	232mm
Weight:	1.5kg

General Safety Warnings

Save all warnings and instructions for future reference.

WARNING! Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

1) Work Area

a. Keep the work area clean and well lit. Cluttered benches and dark areas increase the risks of electric shock, fire, and injury to persons.

b. Keep bystanders, children, and visitors away while operating the tool. Distractions can result in the loss of control of the tool.

c. Keep children and bystanders away while operating any powered products. Distractions can cause you to lose control.

2) Personal Safety

a. Stay alert. Watch what you are doing and use common sense when operating the tool. Do not use the tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating the tool increases the risk of injury to persons.

b. Dress properly. Do not wear loose clothing or jewellery. Contain long hair. Keep hair, clothing, and gloves away from moving parts. Loose clothes, jewellery, or long hair increases the risk of injury to persons as a result of being caught in moving parts.

c. Avoid unintentional starting. Be sure the switch is off before connecting to the air supply. Do not carry the tool with your finger on the trigger or connect the tool to the air supply with the trigger on.

d. Remove adjusting keys and wrenches before turning the tool on. A wrench or a key that is left attached to a rotating part of the tool increases the risk of personal injury.

e. Do not overreach. Keep proper footing and balance at all times.Proper footing and balance enables better control of the tool in unexpected situations.

f. Use safety equipment. A dust mask, non-skid safety shoes and a hard hat must be used for the applicable conditions. Wear heavy-duty work gloves during use.

g. Always wear eye protection. Wear approved safety eye protection**.**

h. Always wear hearing protection when using the tool. Prolonged exposure to high intensity noise can contribute to hearing loss.

3) Tool Use and Care

a. Use clamps or other practical ways to secure and support the workpiece to a stable platform. Holding the work by hand or against the body is unstable and can lead to loss of control.

b. Do not force the tool. Use the correct tool for the application. The correct tool will do the job better and safer at the rate for which the tool is designed.

c. Do not use the tool if the trigger does not turn the tool on or off. Any tool that cannot be controlled with the trigger is dangerous and must be repaired, by an authorised repair agent.

d. Disconnect the tool from the air source before making any adjustments, changing accessories, or storing the tool. Such preventive safety measures reduce the risk of starting the tool unintentionally. Turn off and detach the air supply, safely discharge any residual air pressure, and release the throttle and/or turn the switch to its off position before leaving the work area.

e. Store the tool when it is idle out of reach of children and other untrained persons. A tool is dangerous in the hands of untrained users.

f. Maintain the tool with care. A properly maintained tool is easier to control.

g. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that affects the tool's operation. If damaged, have the tool serviced before using, at an authoriesd Kincrome repair agent.Many accidents are caused by poorly maintained tools.

h. Use only accessories that are identified by the manufacturer for the specific tool model. Use of an accessory not intended for use with the specific tool model, increases the risk of injury to persons.

4) Service

a. Tool service must be performed only by qualified repair personnel.

b. When servicing a tool, use only identical replacement parts. Use only authorized parts.

c. Use only the lubricants specified by the manufacturer.

5) Additional Safety Warnings

a. The warnings and precautions discussed in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

b. Only use with accessories rated to handle the forces exerted by this tool during operation. Other accessories not designed for the forces generated may break and forcefully launch pieces.

c. Attach all accessories properly to the tool before connecting the air supply. A loose accessory may detach or break during operation.

d. Thoroughly read and understand the manual for the air compressor used to power this tool.

g. Do not force the tool. Use a larger one if needed.

h. Anyone using vibrating tools regularly, or for an extended period should first be examined by a doctor and then have regular medical check-ups to ensure medical problems are not being caused or worsened from use. Pregnant women or people who have impaired blood circulation to the hand, past hand injuries, nervous system disorders, diabetes, or Raynaud's Disease should not use this tool. If you feel any symptoms related to vibration (such as tingling, numbness, and white or blue fingers), immediantly discontinue use and seek medical advice as soon as possible.

i. Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.

j. Wear suitable gloves to reduce the vibration effects on the user.

WARNING: Some dust created by power sanding, sawing, grinding, drilling, and other construction activities, contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:
- **Lead from lead-based paints**
- **Crystalline silica from bricks and cement or other masonry products**
- **Arsenic and chromium from chemically treated lumber**

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

6) Description of Symbols

The following symbols could be shown on the tool:

	Read the instruction manual before use.		Risk of Explosion
	Wear Ear Protection		Wear Eye Protection
no	No-load speed, Free Speed	**CFM**	Cubic Feet per Minute flow
.../min, RPM	Revolutions or reciprocation per minute	**SCFM**	Cubic Feet per Minute flow at standard conditions
PSI	Pounds per square inch of pressure	**NPT**	National pipe thread, tapered
Nm	Newton meters of force	**BSP**	British standard pipe

7) Additional Safety Instructions for Air Hydraulic Riveters

a) **Use eye and hearing protection.** Wear ANSI approved safety impact goggles, hearing protection, and heavy-duty work gloves when using this Riveter. Other people in the work area must also wear appropriate ANSI approved safety equipment.

b) **Keep work area clean.** Cluttered areas invite accidents.

c) **Stay within air pressure capacity.** Do not operate the Riveter above 100 psi.

d) **Observe work area conditions.** Keep work area well lit. Do not use pneumatic tools in the presence of flammable gases or liquids.

e) **Keep children away.** Children must never be allowed in the work area. Do not let them handle machines, tools, extension cords, or air hoses.

f) **Store idle equipment.** When not in use, tools must be stored in a dry location to inhibit rust. Lock up tools and keep out of reach of children.

g) **Do not use the tool outside of the designed intent.**

h) **Use the right tool for the job.** Do not attempt to force a small tool or attachment to do the work of a larger industrial tool. There are certain applications for which this tool was designed. Do not modify this tool, and do not use this tool for a purpose for which it was not intended. Normal use of this product is likely to expose the user to dust and /or microscopic particles containing chemicals known to (the State of California) cause cancer, birth defects or other reproductive harm. Always wear appropriate safety equipment and clothing when using this product. Study, understand and follow all instructions provided with this product.

i) **Always select the correct accessories of the correct size and design for the job that you are attempting to perform.**

j) **Always work in a clean, safe, well-lit**, organized and adequately equipped area.

k) Do not begin repairs without assurance that vehicle is in secure position and will not move during repair.

l) **WARNING! The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur.** It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

1. **Fire the Rivets into an appropriate work surface only. T**his Riveter is designed for use on metal objects only, and is not suitable for soft surfaces.

2. **Do not fire the Rivets too close to the edge of a workpiece.** They may split the workpiece and cause it to fly free, causing personal injury.

3. **Transport the Riveter safely. Disconnect the air supply when moving the tool in the workplace.** Carry the tool by the handle and avoid contact with the Trigger.

8) Assembly

Connecting the Air Supply to the Hydraulic Air Riveter

1. Wrap teflon tape (not supplied) around the Nitto Style Fitting (12) approximately 4 to 5 times to ensure a leak free seal.
2. Screw in Nitto Style Fitting (12) to the air inlet (1) of the Air Hydraulic Riveter.
3. Fasten the Nitto Style Fitting (12) using a 14mm spanner (not supplied).
4. Pull back the female coupler on your air hose, and feed over the Nitto style fitting (12).
5. Release the female coupler on your air hose. You should now have a leak free, air supply to your tool.

Assembling the Frame Cap (6)

1. Secure the Frame Cap (6) Firmly to the Air Riveter by feeding the Frame Cap Nut (5) over the Frame Cap (6).
2. Continue by catching the thread of the Frame Cap Nut (5) to the Air Hydraulic Riveter and turn clockwise. Ensure that the slot on the Frame Cap (6) is facing upward to avoid spilling used rivet pins.

Changing Air Riveter Nose Piece (3) : (3/16", 1/8", 3/32", 5/32")

1. The Kincrome Air Riveter comes with 4 different size Nose Pieces (3/16", 1/8", 3/32", 5/32") (3), to accommodate for most requirements.
2. Using the supplied Riveter Wrench (9) feed the nose piece (3) on the air riveter through the hole located in the middle of the Riveter Wrench (10), turn anti clock wise and remove the Nose Piece (3).
3. Select which Nose Piece (3/16", 1/8", 3/32", 5/32") (3) you require for the rivets being fired.
4. Feed the desired Nose Piece (3) into the Frame Head (4) (Shaft) by hand, and tighten securely with the Riveter Wrench (10).

Air Hydraulic Riveter User Instructions

9) Before Starting

TO PREVENT SERIOUS INJURY FROM EXPLOSION:

Verify compressor is off before setup. Use only clean, dry, regulated, compressed air to power this tool. Do not use oxygen, carbon dioxide, combustible gases, or any other bottled gas as a power source for this tool.

1. It is recommended a filter, regulator with pressure gauge, oiler, in-line shut-off valve, and quick coupler be fitted for optimal operation, as shown on Figure A.
2. An in-line shut-off ball valve is an important safety device, it will shut-off the air supply even if the air hose is ruptured. The shut-off valve should be a ball valve because it can be closed quickly.

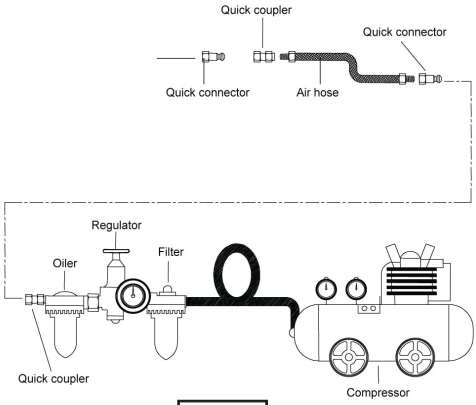


Figure A

Note: If an automatic oiler system is not used, add a 4 to 5 drops of Kincrome Air Tool Oil to the air inlet before operation. Add a 1-2 more drops every hour of continual use.

3. Attach an air hose to the compressor's air outlet. Connect the air hose to the air inlet (1) of the tool. Other components, such as a quick connect fitting and quick connect coupler, will make operation more efficient, but are not required.

WARNING! Do not install a quick coupler directly on the tool. Couplers contains an air valve that will allow the air tool to retain pressure and inadvertently operate after the air supply is disconnected.

4. The air hose must be long enough to reach the work area and allow free movement while working.
5. Turn on the air compressor according to the manufacturer's directions and allow the tank to build up pressure until it cuts-off.
6. Adjust the air compressor's regulator so that the air output is at the tools recommended working pressure, the output must not exceed the tool's maximum air pressure at any time. Adjust the pressure gradually, while checking the air output gauge to set the optimal pressure range.
7. Inspect all air connections for leaks. Repair any leaks.
8. If the tool is not be used, turn off and detach the air supply, safely discharge any residual air pressure, and release the trigger (4) and/or turn the tools switch to its off position to prevent inadvertent operation.

10) Operation

1. Ensure the Frame Cap (6) is secured to the Air Hydraulic Riveter.

Note: Ensure that the slot on the Frame Cap (6) is facing upwards to avoid spilling used rivet pins.

2. Select the Nose Piece (3/16", 1/8", 3/32", 5/32") (3) you require for the size of rivet being used.
3. Using a drill (not supplied), drill into the material you wish to rivet.

Note: When drilling rivet holes, use the same diameter drill bit as the outer diameter.

4. Attach an air hose to the Nitto style (12) fitting attached to the Air Hydraulic Riveter, covered in the assembly "Connecting Air Supply To The Pneumatic Tool" section of this manual.
5. Turn on your compressor, and set the regulator between 60-100psi.

Caution: The Air Hydraulic Riveter should never exceed 100psi. Doing so may cause injury to person or damage to the tool.

6. Insert the shank of the rivet through the nose piece (3) of the Air Riveter.

Caution: Be careful when loading rivets, DO NOT press Trigger (2),Injury may occur!

7. Insert the rivet through the pre drilled hole in the work piece/material from step 3, and hold steady with your hand.
8. Hold the Air Hydraulic Riveter firmly against workpiece with both hands, and squeeze the Trigger (2) to activate the Riveter.
9. Release the Trigger (2) and remove the Air Hydraulic Riveter from the workpiece. The Rivet shank will shoot into the clear Frame Cap (6).
10. When you are finished using the Air Hydraulic Riveter, disconnect the tool from your air hose and purge any remaining air, by holding down the Trigger (2).

11) Cleaning, Maintenance, and Lubrication

Note: These procedures are in addition to the regular checks and maintenance explained as part of the regular operation of the air-operated tool.

Lubrication (Air Tool Oil)

1. Disconnect the tool from the air supply holding it so the air inlet (1) faces up.
2. Hold the trigger (4) down and put 4 to 5 drops of Kincrome air tool oil in the air inlet (1). Holding the trigger down helps circulate oil in the motor.
3. Reconnect the Air Hydraulic Riveter to the air supply.

To Prime The Riveter (Hydraulic Oil)

WARNING! Make sure the Air Hydraulic Riveter is disconnected from its air supply hose prior to performing any maintenance, service, or changing accessories.

1. Disconnect the tool from the air supply holding it so the Air Inlet (1) faces up.
1. Use the Riveter Wrench (10) to unscrew and remove the Lock Nut (8) located at the bottom of the Air Hydraulic Riveter.
2. Use a pair of pliers (not included) to remove the Piston Assembly from the Cylinder (7).
3. Clean inside of the cylinder and lubricate cover seal.
4. Hold the Cylinder (7) upside down, and pour in hydraulic oil such as Kincrome Hydraulic Jack Oil (not included).

Note: The fill level should only reach the top of the Frame.

5. Insert the Piston Assembly back into the Cylinder (7).
6. Use the Spanner to firmly screw the Lock Nut (8) back onto the Cylinder (7).

To Change the Air Riveter Jaws

1. Unscrew and remove the Frame Head (4) of the Air Hydraulic Riveter, using the supplied Jaw Wrench (11).
2. Use the Jaw Wrench (11) to unscrew and remove the Jaw housing.

Caution: Use care as there is a Spring behind the Jaw housing which may fly out.

3. Remove the Jaws from the Jaw housing.
4. Replace the Jaws, jaw housing and nose in the reverse as specified above.

Storage

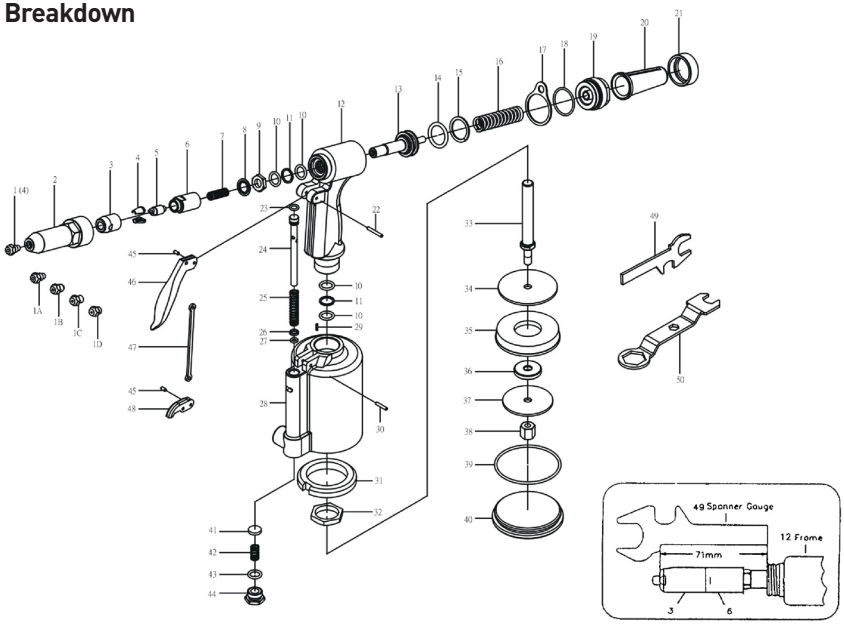
1. Avoid storing the Air Hydraulic Riveter in a location subject to high humidity. If the tool is left as it is used, the residual moisture inside the tool can cause rust. Before storing and after operation, oil the tool and run it for a short time.
2. Regular inspection should be carried out of the Air Hydraulic Riveter.

Notes:

12) Warranty

Warranty given by Kincrome Australia Pty Ltd of 3 Lakeview Drive, Caribbean Park, Scoresby, Victoria (Tel 1300 657 528). The applicable warranty period (24 months) commences on the date that the product is purchased. If this product has materials or workmanship defects (other than defects caused by abnormal or non warranted use) you can, at your cost, send the product to place of purchase, an authorised Kincrome service agent or one of Kincromes addresses for repair or replacement. Your rights under this warranty are in addition to any other rights you have under the Australian Consumer Law or other applicable laws. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. For further details please visit www.kincrome.com.au or call us. Due to minor changes in design or manufacture, the product you purchase may sometimes differ from the one shown on the packaging.
IMPORTANT! If the tool fails to operate correctly, call customer service on 1800 657 528 for advice on the best resolution for your situation. If a resolution cannot be achieved over the phone please take the tool and all related accessories to an authorised service centre or place of purchase showing proof of purchase for assistance.

13) Parts Breakdown



	Index	Park No.	Description	Qty.		Index	Park No.	Description	Qty.
•	1A	K13270-1A	'Nosepiece 3/16"	1		25	K13270-25	'Spring, Valve	1
•	1B	K13270-1B	'Nosepiece 5/32"	1		26	K13270-26	'Collar, Valve	1
•	1C	K13270-1C	'Nosepiece 1/8"	1		27	K13270-27	'O Ring	1
•	1D	K13270-1D	'Nosepiece 3/32"	1		28	K13270-28	'Cylinder	1
•	2	K13270-2	'Frame Head	1		29	K13270-29	'Spring Pin	1
•	3	K13270-3	'Jaw Case, Front	1		30	K13270-30	'Spring Pin, Lever	1
•	4	K13270-4	'Jaw	2		31	K13270-31	'Rubber Cushion	1
•	5	K13270-5	'Jaw Pusher	1		32	K13270-32	'Lock nut, Frame	1
•	6	K13270-6	'Jaw Case, Rear	1		33	K13270-33	'Stem, Air Piston	1
•	7	K13270-7	'Spring, Jaw Pusher	1		34	K13270-34	'Plate, Large	1
	8	K13270-8	'Case Washer Ring	1		35	K13270-35	'Piston Ring	1
	9	K13270-9	'Lock Nut	1		36	K13270-36	'Washer	1
	10	K13270-10	'O Ring	4		37	K13270-37	'Plate, Small	1
	11	K13270-11	'Backup Ring	2		38	K13270-38	'Lock Nut, Piston	1
	12	K13270-12	'Frame	1		39	K13270-39	'O Ring	1
	13	K13270-13	'Piston Assy.	1		40	K13270-40	'Cap, Cylinder	1
	14	K13270-14	'O Ring	1		41	K13270-41	'Valve	1
	15	K13270-15	'Backup Ring	1		42	K13270-42	'Spring, Valve	1
	16	K13270-16	'Spring	1		43	K13270-43	'O Ring	1
	17	K13270-17	'Hanging Clip	1		44	K13270-44	'Cap, Valve	1
	18	K13270-18	'O Ring	1		45	K13270-45	'Spring Pin, Trigger	2
	19	K13270-19	'Frame Cap	1		46	K13270-46	'Trigger	1
•	20	K13270-20	'Safety Cap	1		47	K13270-47	'Trigger Rod	1
	21	K13270-21	'Nut,Frame Cap	1		48	K13270-48	'Trigger Lever	1
•	22	K13270-22	'Spring Pin, Lever	1	•	49	K13270-49	'Spanner Gauge	1
	23	K13270-23	'O Ring	1	•	50	K13270-50	'Spanner	1
	24	K13270-24	'Pusher, Valve	1					

• Indicated stocked spare parts. We reserve the right to change spare parts at any time without notice.

KINCROME
PROFESSIONAL QUALITY TOOLS

www.kincrome.com.au