



THE BEST CONNECTION

INDUSTRIAL COIL NAILER OPERATION MANUAL

IMPORTANT

It is very important
that the intended operator
of this tool reads
and
understands this
manual before
operating this tool.

www.aircofasteners.com.au

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1. IMPORTANT SAFETY INSTRUCTIONS

This manual should be read carefully and understood completely by any person who intends to operate this tool. All instructions given should be adhered to accordingly as failure to comply may result in serious damage to the operator and/or the tool. The employer is responsible for enforcing the use of safety protection equipment by the tool operator and all other personnel in the work area.

Use safety glasses: all persons in the work area must always wear safety glasses in order to prevent eye injuries.

Ear protection must also be worn to prevent a possible hearing loss.

Use clean dry regulated compressed air at the recommended pressure.

Use only fasteners made or recommended by Airco Fasteners

Never exceed the maximum recommended operating pressure of this tool.

Never use oxygen, carbon dioxide, combustible gases or any bottled gas as a power source.

Always disconnect the air supply when doing any tool maintenance, cleaning a jam, moving location, leaving the work area or passing the tool to another operator.

Regularly inspect the safety, the trigger and the springs for free unhindered movement, never use a tool that requires servicing.

Connect the male free flow nipple to the tool side of the air line so that the tool is de-pressurised when disconnected from the hose.

Never load fasteners with the trigger safety depressed as if the safety is bumped it will result in a fastener being fired.

Never carry the tool with the safety depressed as if the safety is bumped then it will result in a fastener being fired.

Never point the tool at yourself or at any one else.

Never attempt to drive fastener into a hard brittle surface such as concrete, steel or tiles. Special tools and fasteners are required for these materials

Do not drive fasteners too close to an edge or at too great an angle as the fastener may fly free or ricochet causing personal injury and damage.

Always ensure that the work area is amply lit so as to avoid possible accidents caused by bad light.

Never remove, tamper with or otherwise cause the tool's operating controls to become inoperable.

2. COMPRESSED AIR SYSTEM

Proper use of the fastener driving tool requires an adequate quantity of clean dry compressed air. All compressed air contains moisture and other contaminants detrimental to the tool and so it is recommended to use an air line filter regulator lubricator as close to the tool as possible (within 15 feet [4.5m]). The filter should be well maintained so as to ensure optimum performance and power. All parts of the air supply system should be clean and contaminant free.

The tool shall only be connected to a compressed air line where the maximum allowable pressure cannot be exceeded by a factor of more than 10%, which can for example be achieved by a pressure reduction valve which includes a downstream safety valve.

A male free flow coupling should be connected to the tool side of the system with the female coupling providing a seal to prevent air loss from the compressor tank upon disconnection. Never connect a female disconnect coupling to the tool side as this provides a seal which prevents loss of compressed air from the air tank and if connected to the tool it could seal a charge of air in the tool which could lead to an unintentional actuation. Do not mount a swivel connector in the air supply line.

Different workpieces will require different operating pressures, the harder the wood the greater the pressure required. Remember always use the lowest pressure required for the work process at hand, this being to prevent unnecessarily high noise levels, increased wear and resulting failures.

WARNING *Keep hands and body away from the discharge area of the tool when connecting the air supply and always disconnect the tool when servicing, adjusting, cleaning and when the tool is not in use.*

3. OPERATING INSTRUCTIONS

3.1 Loading fasteners (refer also to the technical data)

Press the latch mechanism and open the magazine unit.

Load the fasteners into the magazine. Close the magazine.

(for queries contact your local Airco Fasteners branch on 1300 139 057).

3.2 General operating instructions

3.2.1 Types of actuating and triggering systems. For tools without a contact safety,

Single action actuation :

An actuating system where the trigger has to be actuated for each driving operation.

Single action with simple safety :

A safety latch is built into the trigger enabling the user to disengage it when it is not in use.

For tools with a contact safety installed

Dual action safety / contact safety :

It will be necessary to activate the contact safety mechanism as well as the triggering device in order to fire a fastener. By keeping the trigger activated and activating the contact safety a fastener is fired, this allows for high speed firing, also known as bump firing

Single Sequential Trip fire :

Fasteners can only be fired by first activating the contact safety (by holding the tool against the workpiece) and then by squeezing the trigger, thereafter any further driving operations can only be actuated after the trigger has been returned to the starting position. The sequential trip tool allows exact fastener location without the possibility of driving a second fastener location without the possibility of driving a second fastener due to recoil.

Changing the trigger:

To change the trigger, simply remove the trigger pin, remove the trigger and insert the required one, replacing the trigger pin to hold it in place.

3.2.2 Operating procedures

Protective equipment: Before using any tool always ensure that you and those in the work area are using the appropriate working equipment

Firing a fastener: to fire a fastener hold the nose of the tool against the work piece, if the tool has a contact safety it will be necessary to push the tool forward so as to depress the safety, following which squeeze the trigger to fire a fastener.

Exhaust air: each time a fastener is driven a blast of air is exhausted from the top front area of the tool, keep your face clear of this, some tools incorporate a 360 exhaust, which enables you to control the direction of the exhaust gases.

Depth control: check whether the fastener has been driven into the workpiece in accordance with the requirements, the driven depth can be controlled by adjusting air pressure or if available by using the depth control device.

Always use the lowest possible air pressure for the following reasons,

- save energy
- less noise will be produced
- to reduce unnecessary wear to the tool

Any defective or improperly functioning tool must be immediately be disconnected from the compressed air supply and returned to Airco Fasteners for inspection / service.

3.3 Precautionary measures

'Respect your tool and never engage in horseplay'

- Always assume that the tool contains fasteners.
- Remove finger from the trigger when not driving fasteners. Never carry the tool with your finger on the trigger, as the tool will fire a fastener if the safety is bumped.
- Keep the tool pointed in a safe direction at all times, never pointing it toward yourself or others whether it contains fasteners or not.
- Never attempt, to drive a fastener into material that is too hard, or at too steep an angle or near the edge of the workpiece, the fastener can ricochet causing personal injury. Remember, always hold nose right up to and firmly against the work material.
- Disconnect the tool from the air supply before performing any maintenance, leaving the work area, moving the tool to another location, or handing the tool to another person.
- Always, disconnect the tool before clearing any jams. To remove a jam just remove the driver guide cover plate or if applicable open the quick release and remove the obstructing nail.
- Carefully check the tool for proper operation of trigger and safety mechanism. Do not use the tool unless both the trigger and safety mechanism and any other of the operating controls are functional or if the tool is leaking air or needs repair.
- Written approval of the tool manufacturer must be obtained prior to making any modifications to the tool.

4. MAINTENANCE

'Clean and inspect your tool every time you use it'

The employer and tool operator are responsible for assuring that the tool is kept in safe working order. Furthermore only service personnel trained by the manufacturer, distributor, or employer shall repair the tool.

CAUTION Always remove the air supply before commencing any cleaning or inspection and remember to correct all the problems before beginning any repair work.

Wipe tool clean and inspect tool for wear or damage. Use non-flammable cleaning solutions to wipe the tool. Never soak the tool in these solutions as they can cause internal damage.

Always ensure that all of the screws are kept tight as loose screws can cause injury or can damage the tool.

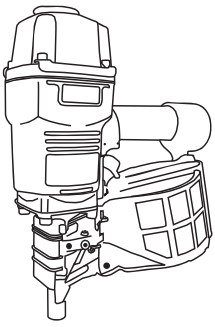
Tools requiring lubricant: If the tool is used without an inline lubricant then be sure to put in about 3 drops of lubricant at the start of each workday and 3 drops for every 1,000 fasteners fired there after.

Tools shall be repaired or equipped only with parts or accessories that are supplied or recommended by the tool manufacturer / supplier.

NEVER use a tool that requires repairs.

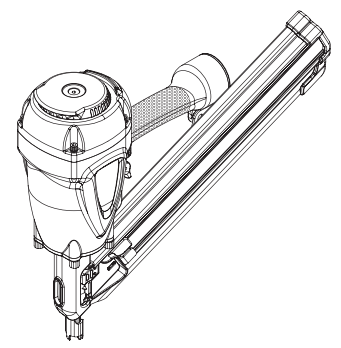
| <u>FAILURE</u> | <u>POSSIBLE CAUSES</u> | <u>CHECK METHOD</u> | <u>SOLUTION</u> |
|--|--|---|---|
| TRIGGER PULLED NO FASTENER DRIVEN | NAIL Wrong size nails Nails with unusualy large head Wrong angle nails | Check if recommended nails supplied by Airco Fasteners are loaded | Remove nails and use size within working range of the tool Remove faulty nails and load nails supplied by Airco Fasteners manufactured to correct specifications. |
| THE NAIL DRIVEN IS BENT | NAIL Wrong diameter nails | Check range of tool against dimensions of nails. Use only nails recommended by Airco Fasteners. | Remove nails and use diameter within working range of the tool. |
| | Wrong angle nails | This tool uses 15 degree wire weld coil nails only. | Remove incorrect nails and load 15 Degree wire weld coil nails supplied by Airco Fasteners and manufactured to correct specifications. |
| | Worn driver blade | Check to see if the driver blade is worn. | Have the driver blade replaced. |
| | Air Pressure | Check to ensure that the air pressure is set to at least the minimum recommended for your tool. | Increase the Air Pressure if required. |
| | The timber is too hard | Check to see if the nails bend on softer timber. | Stop using the tool. Use only Genuine Airco Fasteners which are manufactured to correct specifications |
| NAILS DRIVEN DO NOT FULLY PENETRATE THE WORK PIECE. | The timber is too hard | | Check air pressure. If not at maximum increase in increments until driving is succesful. DO NOT EXCEED MAXIMUM RECOMMENDED AIR PRESSURE. |
| | Air Pressure | | See above |
| | Worn or broken driver blade | | Return to Airco Fasteners for service |

| <u>FAILURE</u> | <u>POSSIBLE CAUSES</u> | <u>CHECK METHOD</u> | <u>SOLUTION</u> |
|---|--|----------------------------|---|
| NAILS DRIVEN DO NOT FULLY PENETRATE THE WORK PIECE. | Defective Piston Ring (worn or broken) | | Return to Airco Fasteners for service |
| NAILS JAMB IN THE NOSE | Incorrect nails are loaded. | | Remove nails and use diameter within working range of the tool. |
| | Tip of Driver Blade is worn. | | Return to Airco Fasteners for service |
| | Nose Plate is worn | | Return to Airco Fasteners for service |
| | Timber is too hard | | Stop using the tool |



THE BEST CONNECTION

Nailers - Staplers - Bradders - Fasteners



AIRCO FASTENERS PTY LTD TOOL AND PARTS EXTENDED WARRANTY TERMS AND CONDITIONS

Congratulations on purchasing a quality Airco tool from Airco Fasteners.

This tool is warranted for a period of **TWELVE MONTHS** from date of purchase by the original user. During this time any parts which, in the opinion of Airco Fasteners Pty Ltd are found to be defective in workmanship or materials, will be replaced free of charge.

This warranty covers all parts, with the exception of Driver Blades, Bumpers and O-Rings, provided that the tool has been correctly maintained and used at air pressures within the recommended range (see operator instruction manual) and has not been deliberately damaged or mishandled. This warranty becomes void if fasteners other than genuine "Airco Fasteners" are used in the particular tool for which warranty service is sought.

Any cost incurred in returning the tool to Airco Fasteners Pty Ltd, or an Airco Fasteners Pty Ltd approved warranty service centre, shall be the responsibility of the purchaser, Proof of purchase may be required before warranty service can be carried out.

The terms of this warranty may not be modified by any third party, nor statements as to the viability of any warranty, claim made by any person other than an authorised executive of Airco Fasteners Pty Ltd.

EFFECTIVE: 03/06/08



AIRCO FASTENERS PTY LTD

| | | | |
|-------------------|---|-------------------------|-------------------------|
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| QLD | 4 Dan Street Slacks Creek QLD 4127 | Tel. 07 3920 1399 | Fax. 07 3290 1380 |
| VIC | 7 Phoenix Court Braeside VIC 3195 | Tel. 03 9590 9644 | Fax. 03 9590 9655 |
| WA | Unit 2, 46 Catalano Road Canning Vale WA 6155 | Tel. 08 9256 3522 | Fax. 08 9256 3533 |
| SA | Unit 1,2 E W Pitts Avenue Cavan SA 5094 | Tel. 08 8162 5399 | Fax. 08 8162 5499 |

| PRODUCT CODE | PRODUCT DESCRIPTION | A57 | A83 | A100 |
|--------------------------|---------------------|-----|-----|------|
| PLAIN NAILS | | | | |
| YA32210 | AC32P210 Plain | ✓ | ✗ | ✗ |
| YA45210 | AC45P210 Plain | ✓ | ✗ | ✗ |
| YA50210 | AC50P210 Plain | ✓ | ✗ | ✗ |
| YA50250 | AC50P250 Plain | ✓ | ✓ | ✗ |
| YA56250 | AC56P250 Plain | ✓ | ✓ | ✓ |
| YA65250 | AC65P250 Plain | ✗ | ✓ | ✓ |
| YA75310 | AC75P306 Plain | ✗ | ✓ | ✓ |
| YA75330 | AC75P333 Plain | ✗ | ✓ | ✓ |
| YA83310 | AC83P306 Plain | ✗ | ✓ | ✓ |
| YA90330 | AC90P333 Plain | ✗ | ✗ | ✓ |
| YA100330 | AC100P333 Plain | ✗ | ✗ | ✓ |
| SCREW SHANK NAILS | | | | |
| YA57234 | AC57S230-Screw | ✓ | ✓ | ✗ |
| YA45254 | AC45S250-BDP Screw | ✓ | ✓ | ✗ |
| YA50254 | AC50S250-BDP Screw | ✓ | ✓ | ✗ |
| YA57254 | AC57S250 Screw | ✓ | ✓ | ✓ |
| YA50284 | AC50S287-BDP Screw | ✗ | ✓ | ✗ |
| YA56284 | AC57S287-BDP Screw | ✗ | ✓ | ✓ |
| YA57284 | AC57S287-DP Screw | ✗ | ✓ | ✓ |
| YA57304 | AC57S306-DP Screw | ✗ | ✓ | ✓ |
| YA62284 | AC63S287-BDP Screw | ✗ | ✓ | ✓ |
| YA63304 | AC63S306-BDP Screw | ✗ | ✓ | ✓ |
| YA75284 | AC75S287 Screw | ✗ | ✓ | ✓ |
| YA90304 | AC90S310 Screw | ✗ | ✗ | ✓ |
| YA10034 | AC100S333 Screw | ✗ | ✗ | ✓ |
| RING SHANK NAILS | | | | |
| YA27216 | AC27R210 Ring | ✓ | ✗ | ✗ |
| YA32216 | AC32R210 Ring | ✓ | ✗ | ✗ |
| YA38216 | AC38R210 Ring | ✓ | ✗ | ✗ |
| YA45216 | AC45R210 Ring | ✓ | ✗ | ✗ |
| YA50216 | AC50R210 Ring | ✓ | ✗ | ✗ |
| YA45256 | AC45R250 Ring | ✓ | ✓ | ✗ |
| YA50256 | AC50R250 Ring | ✓ | ✓ | ✗ |
| YA57256 | AC57R250 Ring | ✓ | ✓ | ✓ |
| YA57286 | AC57R287 Ring | ✗ | ✓ | ✓ |
| YA65286 | AC65R287 Ring | ✗ | ✓ | ✓ |
| YA75316 | AC75R306 Ring | ✗ | ✓ | ✓ |

| | | | | |
|--|--|---|---|---|
| YA80306 | AC80R306 Ring | * | ✓ | ✓ |
| YA10036 | AC100R333 Ring | * | * | ✓ |
| ELECTRO PLATED PLAIN COIL NAILS | | | | |
| YA32211 | AC32P210-EG | ✓ | * | * |
| YA45211 | AC45P210-EG | ✓ | * | * |
| YA50211 | AC50P210-EG | ✓ | ✓ | * |
| YA35251 | AC35P250-EG | ✓ | * | * |
| YA45251 | AC45P250-EG | ✓ | ✓ | * |
| YA50251 | AC50P250-EG | ✓ | ✓ | * |
| YA56251 | AC56P250-EG | ✓ | ✓ | ✓ |
| YA65251 | AC65P250-EG | * | ✓ | ✓ |
| YA82281 | AC82P287-EG | * | ✓ | ✓ |
| ELECTRO PLATED SCREW SHANK COIL NAILS | | | | |
| YA50251S | AC50S250-EG Screw | ✓ | ✓ | * |
| YA56251S | AC56S250-EG Screw | ✓ | ✓ | ✓ |
| HOT DIPPED GALVANISED PLAIN NAILS | | | | |
| YA22182 | AC22P180-HDG | * | * | * |
| YA32192B | AC32P190-HDG Blunt Point | * | * | * |
| YA45252 | AC45P250-HDG | ✓ | ✓ | * |
| YA50252 | AC50P250-HDG | ✓ | ✓ | * |
| YA56252 | AC56P250-HDG | ✓ | ✓ | ✓ |
| YA75282 | AC75P287-HDG | * | ✓ | ✓ |
| HARDENED ELECTRO GALVANISED SCREW SHANK NAILS | | | | |
| YA32254H | AC32S250-Hard E Galv | ✓ | * | * |
| HOT DIPPED GALVANISED RING SHANK NAILS | | | | |
| YA45252R | AC45R250-HDG Ring | ✓ | ✓ | * |
| YA50252R | AC50R250-HDG Ring | ✓ | ✓ | * |
| YA75362 | AC75R306-HDG Ring | * | ✓ | ✓ |
| HOT DIPPED GALVANISED SCREW SHANK NAILS | | | | |
| YA45252S | AC45S250-HDG Screw | ✓ | ✓ | * |
| YA50252S | AC50S250-HDG Screw | ✓ | ✓ | * |
| YA65252S | AC65S250-HDG Screw | * | ✓ | ✓ |
| YA10032S | AC100S333-HDG Screw | * | * | ✓ |
| STAINLESS STEEL DOME HEAD SCREW SHANK NAILS | | | | |
| YA52253D | AC52S250 Screw Domed Head Stainless Steel | ✓ | ✓ | * |
| STAINLESS STEEL DOME HEAD RING SHANK NAILS | | | | |
| YA52253RD | AC52R250 Ring Domed Head Stainless Steel | ✓ | ✓ | * |

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