

Clampko[®]

CONTRACTOR[®]

34° Clipped Head Air Frame Nailer

MODEL: CFN34

Part No. 3110397



OPERATING & MAINTENANCE INSTRUCTIONS



SPECIFICATIONS

Min. Hose Size (ID)	6 mm (1/4")
Ave. Air Consumption	14.8 cfm
Operating Pressure	5.51 - 7.58bar (80 - 110psi)
Air Pressure Max	8.27 bar (120 psi)
Nail Size	50-90 mm
Magazine Capacity	80
Drive Speed	60 Shots/min
Sound Power Level	112.5dB _{WA}
Weight	4 kg
Dimensions LxWxH	500 x 120 x 378 mm
Part No	3110397

Please note that the details and specifications contained herein, are correct at the time of going to print. However CLARKE International reserves the right to change specifications at any time without prior notice. Always consult the machine's data plate

FEATURES

This Nail Gun is suitable for use on materials such as:

- Soft wood, Hardwood
- MDF
- Plywood
- Hardboard
- Fibreboard
- Corkboard
- Flexible Plastics
- Leather, Fabrics
- PVC, Polythene sheet

This Nail Gun is NOT suitable for use on materials such as:

- Hard Laminates
- Brittle Plastics
- Metals (other than light foils)

PACK CONTENTS

- 1 x Nailer
- 1 x Oil Bottle
- 4 x Hexagonal Keys (3, 4, 5 & 6 mm)
- 1 x Instruction Manual
- 1x Moulded Carry Case

Thank you for purchasing this Clarke Frame Nailer. Please read these instructions carefully before attempting to use the tool, to ensure the safety of yourself and others that may be in the vicinity, and also to ensure the tool provides you with years of satisfactory service.

GUARANTEE

This CLARKE product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt as proof of purchase.

This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for the purpose for which it was intended.

Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission.

This guarantee does not effect your statutory rights.

DECLARATION OF CONFORMITY

We declare that this product complies with the following standard.

- BS EN 792-13: 2000

Model No: **CFN34**

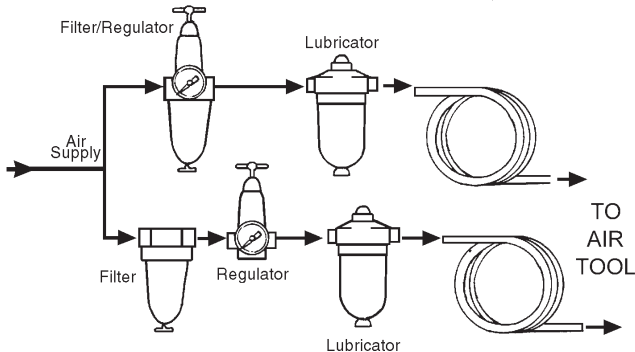
Serial or Batch number: **See product data plate**

signature:



D. Kemp
ENGINEERING MANAGER

RECOMMENDED AIR SUPPLY CONNECTION



SAFETY PRECAUTIONS

WARNING

COMPRESSED AIR CAN BE DANGEROUS. ENSURE THAT YOU ARE THOROUGHLY FAMILIAR WITH ALL PRECAUTIONS RELATING TO THE USE OF COMPRESSORS AND COMPRESSED AIR SUPPLY.

FAILURE TO FOLLOW THESE PRECAUTIONS COULD RESULT IN PERSONAL INJURY, AND/OR DAMAGE TO PROPERTY.

- Keep the work area clean and tidy.
- Keep children and visitors away - Do not let children handle the nailer. Make sure that any other persons in the work area are dressed suitably and are wearing eye and ear protectors.
- Do not operate the nailer where there are flammable liquids or gases.
- Keep the air supply hose away from heat, oil and sharp edges.
- Dress appropriately - Do not wear loose clothing or jewellery. Tie long hair out of the way.
- Stay alert and use common sense - Do not operate the nailer when you are tired or under the influence of alcohol, drugs or medication.
- Always wear eye protectors when using the nailer - Eye protectors must provide protection from flying particles from the front and the side.
- Always wear ear protectors when using the nailer.
- Do not overreach - Keep proper footing and balance at all times.
- Never use any type of bottled gas as a source of power for the nailer.
- Do not connect the air supply hose with your finger on the trigger of the nailer.
- Do not exceed the maximum pressure for the nailer: 8.27 bar (120 psi).
- Never point the nailer at yourself or any other person.
- Never actuate the nailer into free space - This will avoid any hazard caused by free flying nails and excessive strain on the nailer.
- Place the nailer properly on the workpiece - Do not fire nails while holding the nailer at an acute angle. Do not fire nails on top of other nails.
- Do not use on thin boards, corners or edges - There is a risk of firing through the workpiece and injuring others.
- Check for the presence of live electric cables, water pipes etc., before use and avoid.
- Do not use the nailer for any other purpose than that described in this book.
- Do not carry out any alterations or modifications to the nailer.
- Use ONLY replacement parts and accessories provided by CLARKE International. The use of other parts may invalidate your guarantee.

SAFETY PRECAUTIONS cont.:

- Always disconnect from the air supply when:
 - a) Performing any maintenance such as clearing a jammed nail.
 - b) The nailer is not in use.
 - c) The nailer will be left unattended.
 - d) Moving to another work area.
 - e) Passing the nailer to another person.
- Use only the nails, parts and accessories described in this book.
- Only carry out the maintenance recommended in this booklet. For replacement of parts or repair, return the nail gun to the place of purchase.

TRANSPORTATION

- Always disconnect from the air supply before moving from one work area to another.
- Always disconnect from the air supply before passing the nailer to another person.
- Never carry the nailer by the air supply hose.
- Never carry the nailer with your finger on the trigger.

STORAGE

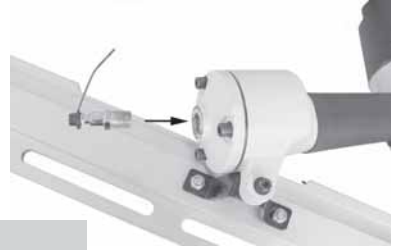
- When not in use the nailer must be disconnected from the air supply and stored in a dry place out of the reach of children (preferably in a locked cabinet).
- Remove any nails from the nailer magazine while in storage.
- Avoid storing the nailer in environments where the temperature can fall to below 0°C.

PARTS



PREPARATION FOR USE

Screw the quick fit air intake coupling to the nailer as shown on the right.



Preliminary checks

Make sure that the air supply is not connected to the nailer. Do not put any nails in the air nail gun until directed to do so in the following procedure.

1. It is essential that the air nail gun is lubricated before each use. Use the CLARKE Air Line Oil provided with your nailer to lubricate the safety yoke and trigger mechanism. Do not use detergent oils or any oil that contains artificial additives these may cause the nail gun to malfunction.
2. Place 2 or 3 drops of oil in to the air intake twice a day when the nailer is being used.
3. Check all of the nailers screws for tightness.

Connecting the air supply to the nailer

Make sure that you are wearing eye protectors before connecting the air supply.

4. Push the hose from the compressor on to the nailer. The collar on the hose connector will slide forward and click in place.
5. Refer to the air compressor instruction book for the starting procedures of the compressor. Set the compressor output to 5.5 Bar (80 psi).
6. Check that the nailer does not leak air.

Checking the safety mechanism

7. Hold the nailer in mid-air pointing downwards, and pull the trigger.
 - The nailer should not operate. If it does the safety mechanism is faulty. Do not use the nailer. Return it for repair to the place of purchase
8. Release the trigger and with your finger off the trigger, press the safety yoke against a scrap piece of timber.
 - The nailer should not operate. If it does the safety mechanism is faulty. Do not use the nailer. Return it for repair to the place of purchase.

Checking operation of the nailer

9. Press the safety yoke against a piece of scrap timber and pull the trigger. The nailer should operate. If it does not return it for repair to the place of purchase.
With the air nail gun off the work piece, pull the trigger and then press the safety yoke against the workpiece.
 - The air nail gun should NOT operate. If it does return for repair to the place of purchase.

LOADING NAILS

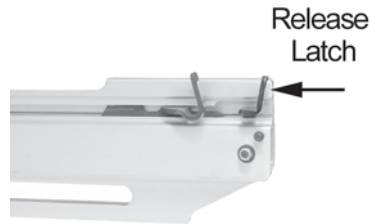


Always disconnect the nailer from the air supply before loading nails.



1. Pull the nail pusher back as far as possible until the catch clicks into place.

2. Slide the nails through the loading slot into the magazine as shown.
3. Press the release latch on the rear of the magazine and slide the nail pusher forward.
 - Your nailer is now ready to use.



OPERATION

1. Turn ON the air supply, and check for air leaks.
 - If any are apparent, rectify before proceeding.
2. Ensure the operating pressure is set to between 5.51 - 7.58 bar (80 - 110 psi), depending upon the size of nail used and type of material being worked.
 - Harder material, or bigger nails will mean a higher pressure is required.
3. Hold the nailer firmly with the safety yoke flat against the workpiece, and at 90° to it.
4. Squeeze the trigger to drive the nail.
5. Each squeeze of the trigger will drive one nail only.
 - If the nail is driven in too deep, reduce the air pressure in increments of 0.5 bar (7 psi), checking the result after each adjustment. You should aim, to work with the lowest possible air pressure. This will save energy, produce less noise and reduce tool wear.
 - If the nail is not driven in sufficiently, increase the air pressure in increments of 0.5 bar (7 psi), checking the result after each adjustment.

**WARNING! DO NOT EXCEED THE MAXIMUM OPERATING PRESSURE OF THE TOOL;
8.27 BAR (120 PSI).**

Avoid triggering the nailer when the nail magazine is empty. If the nailer operates improperly or is defective, disconnect from the air supply and have the tool inspected by a qualified service technician.

In the event of long breaks in work or at the end of the working session, disconnect the tool from the air supply and empty the nail magazine.

Disconnecting the air supply

WARNING! NEVER DISCONNECT THE AIR SUPPLY HOSE UNTIL THE COMPRESSOR HAS BEEN SHUT DOWN AND THE COMPRESSED AIR RELEASED.

1. Refer to the compressor instruction book for the procedures to shut down and release the compressed air.
2. Once the pressure has been released, disconnect the air supply hose from the nail gun. Slide the collar on the hose connector away from the nailer. The hose will release and spring backwards.
3. Remove any nails remaining in the magazine of the nailer .
4. Store the nailer safely in its box in a dry, secure environment

Clearing a jam

To clear a jammed nail, proceed as follows:

1. Follow the compressor procedure to switch off and release the air pressure.
2. Disconnect the air supply hose.
3. Pull the nail pusher back as far as possible until the catch clicks into place.
4. Remove the nails from the magazine.
 - The jammed nail should then release. If the jammed nail does not release, proceed as follows.
5. Remove the bolt indicated using the hexagonal key supplied.
6. Remove the striker cover.
7. Remove the jammed nail using pliers or similar tool.
8. Replace the striker cover.



MAINTENANCE

WARNING! MAKE SURE THAT THE AIR NAIL GUN IS DISCONNECTED FROM THE AIR SUPPLY BEFORE STARTING ANY CLEANING, OR MAINTENANCE PROCEDURES.

LUBRICATION

- Only use the oil provided to lubricate the air nail gun.
- Lubricate the moving parts of the safety yoke and trigger mechanism before using the nailer.
- Do not use detergent oils or any oil that contains artificial additives as these may cause the nailer to malfunction.
- Place 2 or 3 drops of lubricating oil into the air intake hose connection point twice a day when the nailer is being used. A bottle of CLARKE Air Line Oil** is supplied with the kit.

CLEANING

- Keep the body of the nailer clean and free from debris.
- Make sure that the magazine release lever and the trigger are kept clean and in good working order.
- Clean the magazine and nail pusher by blowing with compressed air.

SERVICE AND REPAIR

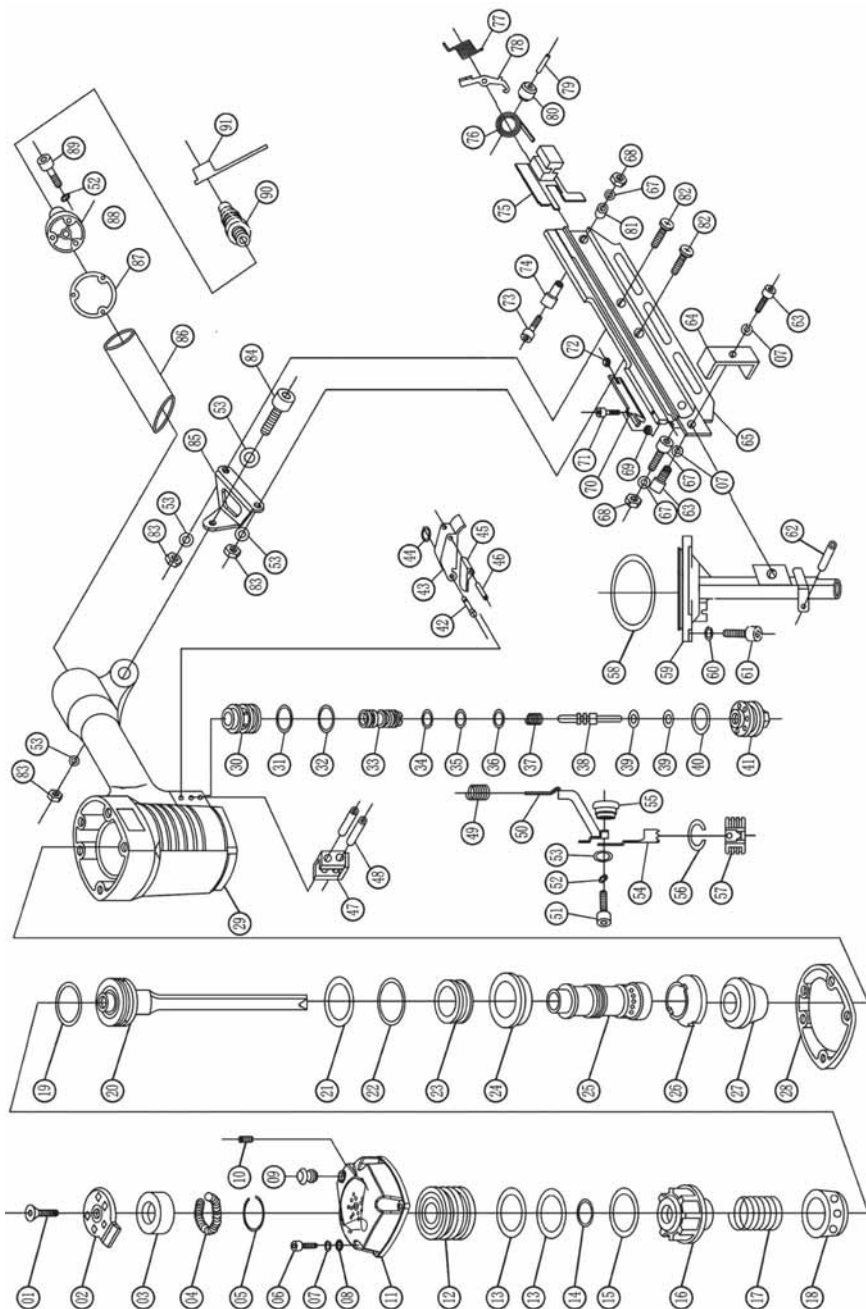
- All servicing and repair must be carried out by qualified service technicians.

NOTES

Be aware that factors other than the tool may effect its operation and efficiency such as reduced compressor output, excessive drain on the airline, moisture or restrictions in the line, or the use of connectors of improper size or poor condition which will reduce air supply.

**Clarke Air Line Oil is available from your CLARKE dealer part no. 3050825.

PARTS DIAGRAM



PARTS LIST

No.	Description	Part No.	No.	Description	Part No.
1	Bolt M8X30	HTCFN34001	49	Compressed spring	HTCFN34049
2	Air deflector	HTCFN34002	50	Bolt M5x8	HTCFN34050
3	Deflector rubber	HTCFN34003	51	Flat washer	HTCFN34051
4	Spring	HTCFN34004	52	Spring washer	HTCFN34052
5	Spring wire	HTCFN34005	53	Adjust nut	HTCFN34053
6	Bolt M6X30	HTCFN34006	54	Safety yoke	HTCFN34054
7	Spring washer	HTCFN34007	55	Safety Nose	HTCFN34055
8	Flat washer	HTCFN34008	56	Copper collar	HTCFN34056
9	Cylinder core	HTCFN34009	57	Safety nose case	HTCFN34057
10	Bolt M5X5	HTCFN34010	58	O-ring 59x1.8	HTCFN34058
11	Cylinder cover	HTCFN34011	59	Driver guide	HTCFN34059
12	O-ring 41.7x3	HTCFN34012	60	Spring washer	HTCFN34060
13	O-ring 56x3.1	HTCFN34013	61	Bolt M8X25	HTCFN34061
14	Head valve Piston	HTCFN34014	62	Bolt M6X12	HTCFN34062
15	Spring seat	HTCFN34015	63	Magazine	HTCFN34063
16	Compressed spring	HTCFN34016	64	Drive nail bar	HTCFN34064
17	Spring washer	HTCFN34017	65	Bolt M4x8	HTCFN34065
18	Collar	HTCFN34018	66	Nut M4	HTCFN34066
19	O-ring 42.3x5	HTCFN34019	67	Flat washer	HTCFN34067
20	Main Piston	HTCFN34020	68	Bolt M4x40	HTCFN34068
21	O-ring 57.5x3	HTCFN34021	69	Safety pipe	HTCFN34069
22	O-ring 88x3	HTCFN34022	70	Safety pipe case	HTCFN34070
23	Fixed ring	HTCFN34023	71	Pin case	HTCFN34071
24	Sealing ring	HTCFN34024	72	Spring Pin	HTCFN34072
25	Cylinder	HTCFN34025	73	Bolt M6X12	HTCFN34073
26	Bumper	HTCFN34026	74	Pusher	HTCFN34074
27	Cylinder washer	HTCFN34027	75	Spring pin 3X20	HTCFN34075
28	Gun body	HTCFN34028	76	Spring pin 5X20	HTCFN34076
29	Rubber washer	HTCFN34029	77	Bolt M3X14	HTCFN34077
30	Trigger valve seat	HTCFN34030	78	Nut M3	HTCFN34078
31	O-ring 15x2.65	HTCFN34031	79	Pin B4X30	HTCFN34079
32	O-ring 17x1.5	HTCFN34032	80	Spring	HTCFN34080
33	Trigger valve guide	HTCFN34033	81	Spring core	HTCFN34081
34	O-ring 6.1x1.8	HTCFN34034	82	Pin B5X12	HTCFN34082
35	O-ring 6.4x2	HTCFN34035	83	Release latch	HTCFN34083
36	O-ring 9x1.8	HTCFN34036	84	Block	HTCFN34084
37	Switch spring	HTCFN34037	85	Spring	HTCFN34085
38	Switch pipe	HTCFN34038	86	Bolt M5X25	HTCFN34086
39	O-ring 2.5x1.5	HTCFN34039	87	Fixed seat	HTCFN34087
40	O-ring 20.3x2.3	HTCFN34040	88	Nut M6	HTCFN34088
41	Switch seat	HTCFN34041	89	Nut M5	HTCFN34089
42	Trigger Pin	HTCFN34042	90	Rubber handle case	HTCFN34090
43	Trigger	HTCFN34043	91	End cap washer	HTCFN34091
44	O-ring 1.7x2	HTCFN34044	92	End cap	HTCFN34092
45	Safety spacer	HTCFN34045	93	Flat washer	HTCFN34093
46	Pin 3x16	HTCFN34046	94	Bolt M5x20	HTCFN34094
47	Safety guide	HTCFN34047	95	Air plug	HTCFN34095
48	Pin 3x25	HTCFN34048	96	Air plug case	HTCFN34096

PARTS & SERVICE TEL: 020 8988 7400

or e-mail as follows:

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SERVICE: Service@clarkeinternational.com