



GFN3490 Framing Nailer

Suitable for timber framing, roofing, joists and many other tasks, this gas powered nailer is a real time saver.

Two batteries are provided, each will last up to 4,000 nails per charge. There is a built in light to indicate low charge. Standard gas cartridges are used, each with a life of approximately 1,200 nails. This nailer is powerful but light to use, and able to drive 51-90mm 34° ring shanked nails into all timbers with ease.

An adjustable depth control, full sequential action, effective air filters and a high temperature warning lamp all contribute to efficient use. A retractable rafter hook is a clever idea, saving an inavertant and possibly terminal decent! With its Japanese built motor this is a reliable tool for site or workshop use.



Axminster Tool Centre,
Unit 10 Weycroft Avenue, Axminster, Devon EX13 5PH

www.axminster.co.uk

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Declaration of Conformity...



Copied from CE Certificate

The undersigned, authorised by 

Manufactured by Chongqing Hybest Tools Group, 57 Jienan Street, Banan District, Chongqing, China

GFN3490 (Framing Nailer)

1. The technical file contains all the relevant information.

2. Having verified that the appropriate tests have been conducted.

2.1. The standards and transposed standards EN ISO 121 00-1 :2003, EN ISO 12100-2:2003. EN 792-13:2000+A1 :200B have been applied correctly.

2.2. The example representing series production of the item complies with the essential health and safety requirements of the Directive 2006/42/EC as amended.

2.3. Compliance with EN 60204-1 gives compliance with the voltage directive 2000/95/EC.

2.4. The file contains all the information to include the following models in the certification GFN3490, NR90GC. GS683CH. IM90i. GFN2190. NR90GR, GS683RH-EX. GSR40. IM200. GDA1564.NT65GA. GT64, NT65GS. IM65. GDT64, NT65GB, IM65A, GT50. GF50. NT50GS, IM50 F18,GF'N2890 and GCRN45.



SAFETY!!

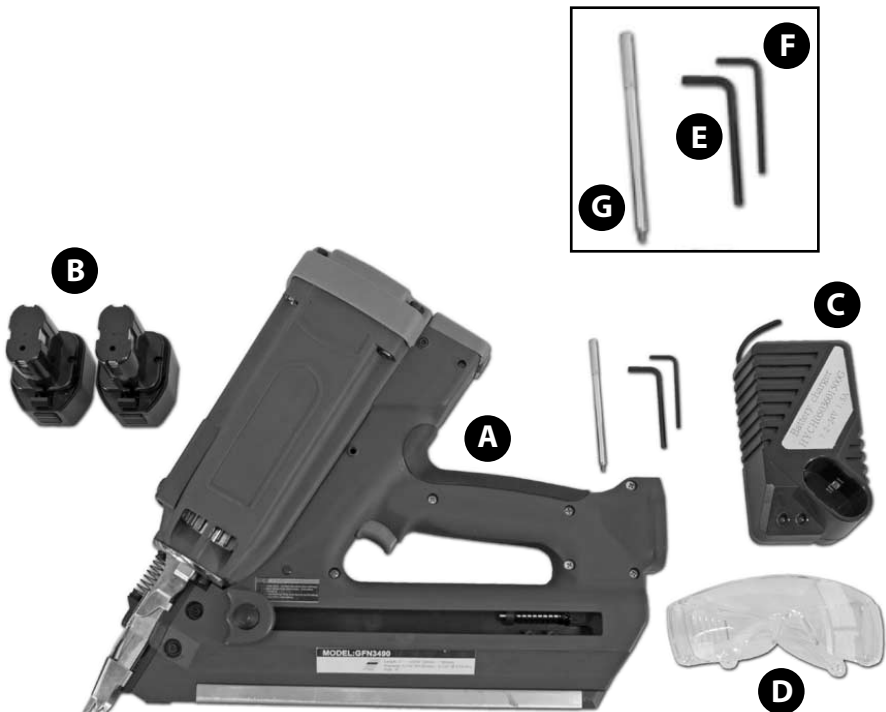
The symbols heigh lighted below advise that you follow the correct safety procedures when using this machine.



What's in the Box...

Model Number:		GFN3490
1 off:	Gas Powered Framing Nailer with Carry Case	A
2 off:	Batteries 7.2V 1.5Ah NiMh	B
1 off:	Battery Charger 230V 50Hz 80W	C
1 off:	Safety Goggles	D
1 off	4mm Hex Key	E
1 off:	3mm Hex Key	F
1 off:	Piston Removal Rod	G
1 off	Instruction Manual	

Having unpacked your framing nailer, please check the contents against the 'What's in the box' list above. If there are any pieces missing or damaged, contact our sales and spares department in accordance with the instructions laid down in our catalogue. Please dispose of any unwanted packaging responsibly. A lot of the packaging is recyclable.



Symbols...

You may notice the following symbols used on labels or in the leaflets/manuals associated with your tools. The meanings of the symbols are shown below:-



Recyclable



Temperature
Limitations



Indoors Only



Double
Insulation



Do not dispose in
general rubbish



NiMh Battery
Technology

Disposal of Spent NiMh Electrolytic Battery Packs...



Be advised NiMh electrolytic batteries, can constitute a pollution hazard.



DO NOT dispose in clean water run offs



DO NOT incinerate



DO NOT Dispose of in general household waste.



If you have a spent NiMh Electrolytic battery pack you must dispose of it responsibly.

We respectfully suggest that you contact the local environmental control officer at your local council and request their procedure for disposing of such waste.

If your local council has no contingencies for dealing with such waste, we are prepared to arrange disposal on your behalf. What you must do.

**Wrap the battery securely in a padded plastic bag to minimise transit damage.
Seal the bag as well as you can (layers of sticky tape?)**

Address the bag to: Axminster Power Tool Centre. Axminster, Devon. EX13 5PH.

Please label the bag clearly "NiMh Electrolytic Battery for Disposal"

General Instructions for Battery Powered Tools ...

Good Working Practices/Safety

The following suggestions will enable you to observe good working practices, keep yourself and fellow workers safe and maintain your tools and equipment in good working order.



WARNING!

KEEP TOOLS AND EQUIPMENT OUT OF THE REACH OF YOUNG CHILDREN

Good Working Practices/Safety

The following suggestions will enable you to observe good working practices, keep yourself and fellow workers safe and maintain your tools and equipment in good working order.



WARNING!! LEAKING BATTERY The electrolytic in the battery is corrosive, if a battery is damaged and leaking, avoid contact with the skin; if contact is made, flush the area with running water, pat dry and seek medical attention and advice at the earliest opportunity, inform the medical service that the contaminant was a "high alkaline, corrosive liquid". If the electrolyte comes into contact with the eyes, flush with copious amounts of water only, seek medical attention immediately, relaying the information above.

Battery Powered Tools

Workplace/ Environment

The tools are not designed for sub-aqua operation, do not use when or where they are liable to get wet. If tools are set up in the open and it starts to rain, cover them up or move them into the dry. If tools do get wet, dry them off as soon as possible with a cloth or paper towel. Keep the tools clean, it will enable you to see more easily any damage that may have occurred. Clean the tools with a damp soapy cloth if needs be, do not use any solvents or cleaners as these may cause damage to the plastic parts or to the electrical components.

Keep the work area as uncluttered as is practical, this includes personnel as well as material. Under no circumstances should CHILDREN be allowed in work areas.

Do Not carry tools around with fingers near the trigger switch, and engage the stop-lock of the tool if one is available. It is preferable to move small tools e.g. drills and jigsaws to the work area in their carrying/storage cases; if this is not possible it is advisable that you do not mount the blades or drill bits into the tool until you reach the work area (they make effective stabbing tools if you trip or stumble).

If you are working from ladders or towers, ensure they are securely fixed/braced, and always maintain a balanced, comfortable working posture; do not over-reach to get the work done, the extra time required to move the ladder or tower is a good trade off against injuries sustained from a fall. Similarly non-slip footwear and non-slip surfaces are a good investment.

If the work you are carrying out is liable to generate flying grit, dust, swarf or chips, wear the appropriate safety clothing, goggles, gloves, masks etc; if the work operation appears to be excessively noisy, wear ear-defenders. If you wear your hair in a long style, wearing a cap, safety helmet, hairnet, even a sweatband, will minimise the possibility of your hair being caught up in the rotating parts of the tool, likewise, consideration should be given to the removal of rings and wristwatches, if these are liable to be a hazard.

Do not work with tools of any description if you are tired, your attention is wandering or you are being subjected to distraction. A deep cut, a lost finger tip or worse, is not worth it!

General Instructions for Battery Powered Tools and Chargers...



DO NOT USE THE TOOLS WITHIN THE DESIGNATED SAFETY AREAS OF FLAMMABLE LIQUID STORES OR IN AREAS WHERE THERE MAY BE VOLATILE GASES. THERE ARE VERY EXPENSIVE, VERY SPECIALISED TOOLS FOR WORKING IN THESE AREAS.

Do not discard old batteries or old cutting tools of any description into general rubbish; the cutting tools may still be sharp enough to inflict an injury; batteries if included in rubbish that is to be disposed of by burning are an explosion hazard.

Similarly, do not dispose of old battery packs into clean water run-offs; if they eventually leak, they will become a pollutant hazard.

When not in use, tools and battery packs should, ideally, be separated and kept in dry secure storage, care being taken to ensure that battery terminals are not liable to be, shorted together by adjacent metal objects.

Above all, **OBSERVE..** make sure you know what is happening around you, and **USE YOUR COMMON SENSE.**

The Tools

Before using the tool read the instructions thoroughly and make sure you understand them. Prior to assembling the tool and its battery pack, carry out a visual inspection of the tool, checking for damage, or anything untoward. (Do you know who used it last? That person may be able to confirm that the tool was "fine" when last used. Check that the battery terminals are clean and the casing is not damaged. It is always advisable

to insert nails into the tool with the battery pack disengaged in case the trigger switch is inadvertently operated; as this is not always practical, use the stop lock on the tool (if fitted) or keep fingers away from the trigger switch when handling the nailer. Check that the nails are seated correctly

Where the workpiece is a small loose item consider clamping it to a firm work surface to prevent movement and to enable you to have both hands free to operate the tool.

Do not drain the battery completely, you will notice when the performance drops off, (usually the speed will fall progressively as the tool is put under load). Change the battery at this time, not only will you minimise the chance of damage to the battery but you will prolong its life expectancy (Number of charges) and also its ability to accept its full charge capacity.

If the tool becomes excessively hot, perhaps during or after a long, hard work session allow the nailer to cool down for at least 10 minutes. Try to avoid work situations that subject the tool to continuous overheating.

When the work operation is complete, disassemble the tool, carry out an inspection for damage of the tool, store in a dry secure area, and re-charge any depleted battery packs. Do not re-charge battery packs that have only been subjected to minimal use, e.g. less than 15 minutes work.

Do not use the charger as a storage facility for the battery packs, once the charge is complete remove the battery from the charger and store separated.

Safety Instruction for Mains Powered Battery Chargers...

1. The charger is for **INDOOR** use only.

2. Prior to plugging the charger in to the supply, check that the plug and the cable are in good condition. If either are damaged, have the defective item replaced immediately by a suitably qualified person. If the casing of the battery charger is damaged, it is good policy to have the charger checked over by a suitably qualified person.

3. Only use a correctly rated mains outlet to provide power, do not plug into site generators, attach to engine generators or D.C. sources. Do not use a mains socket outlet that is not switched.

4. Only use the charger that was supplied with the battery pack, and vice versa.

5. Do not attempt to charge battery packs that are too hot (over 40°C) or too cold (under 10°C); if these conditions apply set the battery aside to "normalise" before proceeding with the charging operation.

6. Set up the charger and cable in a safe place where it won't be knocked, tripped over, stepped on, etc. and where it is well ventilated; make sure the ventilation slots in the charger case are not obstructed, plug the charger into the socket outlet.

7. Inspect the battery pack for damage; if it is undamaged, plug it into the charger, ensuring the correct orientation. (Most chargers and

batteries have 'keys' etc, to make sure the battery is not inserted incorrectly, if you are having to force the battery into the charger, the chances are you have it the wrong way round, check and try again.)

8. Switch the charger on and check that the correct indicators illuminate, allow the battery pack to charge (see the specific instructions for your charger). Once charging is complete, switch the charger off, remove the battery pack and store, repeat the procedure if you have more than one battery to charge. Note that some RAPID chargers require a rest period between charges, read the instruction manual concerning your specific charger to see if this is the case. After charging is complete, unplug the charger from the socket outlet by pulling on the plug. (Do not pull on the cable). Store the charger in a dry secure place.

9. If, when the charger was switched on, the correct indications did not occur, leave for two or three minutes to allow the charger to stabilise; if the correct indications occur, allow the charging cycle to proceed as normal. If no indication appears at all, switch off, remove the battery pack, unplug the charger, check that the charger contacts and the battery contacts are clean and repeat the process; if there is still no indication, switch off, remove the battery pack, unplug the charger and check the fuse. If the fuse is blown, replace and repeat the process; if the fuse blows again, or if the fuse was intact, attempt no further action. Refer the charger to a suitably qualified person for assessment/repair.

General Safety Precautions for Nailers...

1. KEEP WORK AREA CLEAN. Cluttered areas invite injuries.

2. KEEP CHILDREN AWAY. All children should be kept away from the work area. Don't let them handle the tool.

3. PRESCRIPTION MEDICATION. Read the warning labels on all medicines to determine if your judgment or reflexes would be impaired. If there is any doubt, do not attempt to operate this tool.

4. USE EYE PROTECTION. Eye protection should conform to BSI specifications and provide protection against flying debris from the front and the side. Eye protection should be worn when loading, unloading, servicing or operating this tool.

5. USE EAR DEFENDERS. Repetitive high noise levels can damage hearing. If the work area in which you are operating has excessively high noise levels, wear ear protection.

6. WEAR APPROPRIATE CLOTHING. Protective gloves and non-skid footwear/safety shoes are recommended when operating this tool. Don't wear loose clothing or jewellery. They can get caught in moving parts. If you wear your hair in a long style, a safety helmet, hat, protective hair covering or even a sweatband will help to minimise the chance of hair being caught up in the tool.

8. DO NOT OVERREACH. Keep proper footing and balance at all times, do not over reach, especially when working from ladders or towers, the extra time required to reposition the tower or ladder is a good trade off against a potentially crippling fall.

9. CHECK THE TOOL FOR DAMAGE. Before using the tool, check for damage, any part that seems damaged should be carefully checked to determine that it operates properly and will perform its intended function. If there is any doubt, have the tool repaired and tested by a suitably qualified person.

10. REPLACEMENT PARTS AND ACCESSORIES. When servicing, only use approved replacement parts. Only fit the approved accessories intended for use with this tool.

11. STAY ALERT. Watch what you are doing. Use common sense, do not operate any tool if you are tired or subject to distraction, a nailer fired into any part of your anatomy can cause serious injury.

12. STORE IDLE EQUIPMENT. When not in use, remove the fuel cell and battery cartridge, the tool should be cleaned, unloaded, lightly oiled, stowed away in its carrycase, and stored away in a dry location to prevent the possibility of rusting. The storage position should be out of reach of children

13. CHECK. Walls, ceilings, floors and roofing carefully to avoid possible electrical shocks, gas leakage, etc. caused by striking live wires, conduits or gas pipes.

14. DO NOT allow uninstructed persons to use the tool.

15. BE AWARE OF OTHER PEOPLE. Make sure no one is near by before using the nailer. Nails may rip through or fly off, causing serious injury.

ON ROOFTOPS and other high locations, nail as you move forward, it's very easy to lose your footing if you are nailing while moving backwards.

A NAIL can become bent or the tool can become jammed if you mistakenly nail on top of another nail or if you strike a knot in the wood. The nail can be thrown causing injury to someone close by.

ALWAYS. Use nails recommended in our catalogue or on our web site.



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 TOOL. THEY MUST BE APPLIED BY THE OPERATOR.**

Specification...

Axminster No.	953497
Rating:	Trade
Battery No/Capacity:	2 x 3000mAh
Battery Voltage/Type:	2 x D. C. 7.2V NiMh
Battery Life:	4000 Nails per Charge
Cycle Rate:	2-3 Nails per second
Nail Angle:	34°
Nail Head/Collation Type:	Clipped/Paper
Nail Length x Shank Diameter:	L: 50 - 90mm D: 2.87-3.33mm
Fuel Cell Life:	1200 Nails
Charge Time:	3 hours
Load Capacity:	68 Nails
Overall L x W x H:	378 x 374 x 110mm
Weight:	3.75kg
Battery Charger Model:	HYCH0503601500G
Power Supply:	230V AC 50Hz 80W
Charging Current:	7.2-24 D.C. 1.5A
Charging Time:	3 hours

Parts Illustration and Description...

The tool is fully assembly when you receive it. The information below is a description of the

framing nailer and to get a better understanding of the functions.

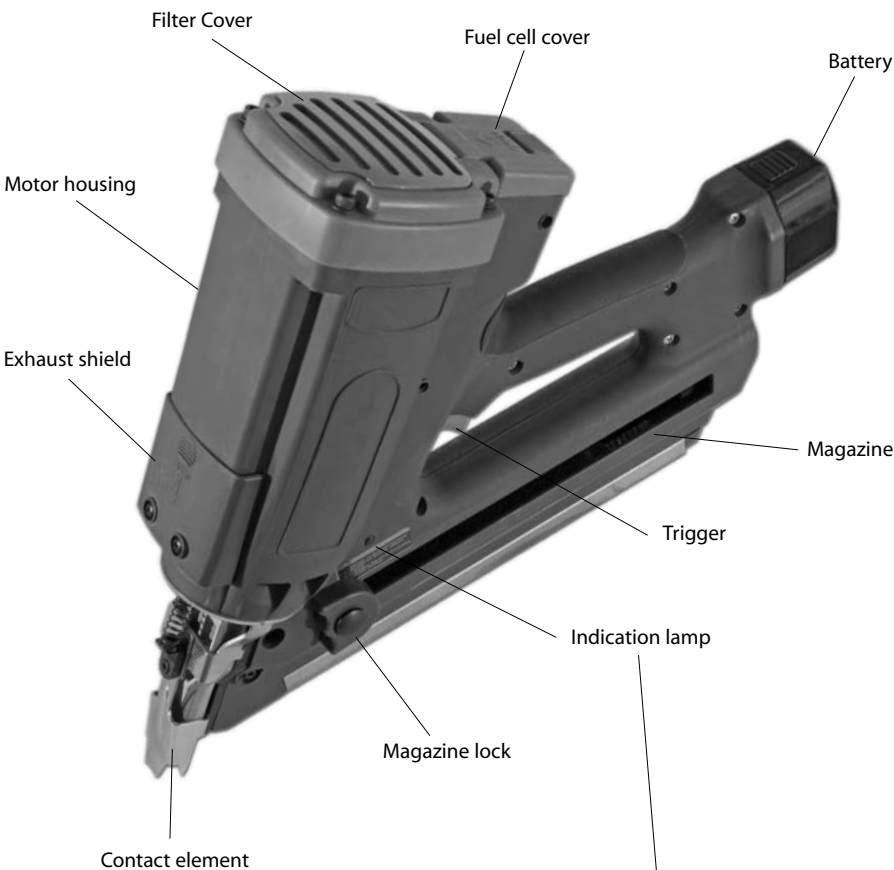


Fig A

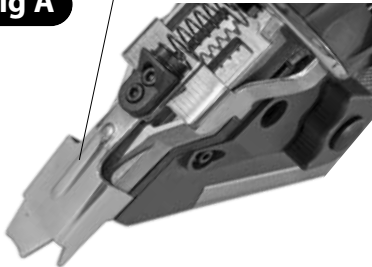
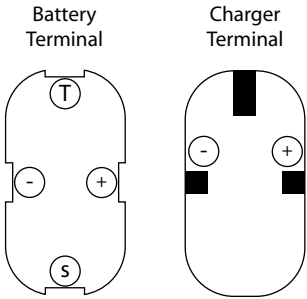


Fig B



Parts Illustration and Description...



	Green LED indication lamp charger is 'ON'
	Red LED indication lamp 'FLASHING', battery is being charged
	Red and Green indication lamp 'ON' battery is charged

Function Description...

Charging the battery

The batteries are shipped discharged and must be charged prior to first use. Locate the charger (C) and one of the two 7.2V batteries (B). Plug the charger into the mains and switch on. The GREEN LED indicator will light up. Insert the battery (B) into the charger, **NOTE MAKE SURE THE BATTERY IS IN THE CORRECT ORIENTATION IN THE CHARGER.** (See figs 1 and 2) The RED LED will start flashing and charging will commence. Charging time will take

approximately three hours. When charging is complete both LED indicators will stay on. Disconnect the battery charger (C) from the mains and remove the battery (B) from the charger.

NOTE: Over usage such as over-charge, over-discharge and high temperatures will result in a short life span. To avoid this the batteries should be charged and discharged once every three months.

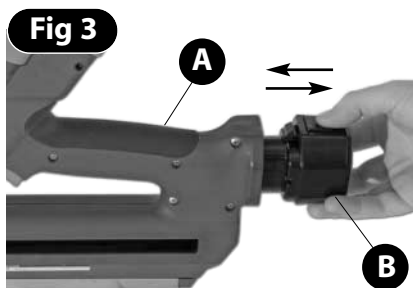


Installing or removing the battery

Hold the battery (B) so the lock button is on top. Inset the battery into the installment opening to the rear of the nailer (A), see fig 3 and insert it in until it clicks home.

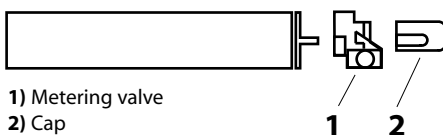
WARNING DO NOT USE FORCE when inserting the battery cartridge. If it does not slide in easily, it is not being inserted correctly.

To remove the battery (B), press down the lock button and pull the battery back.



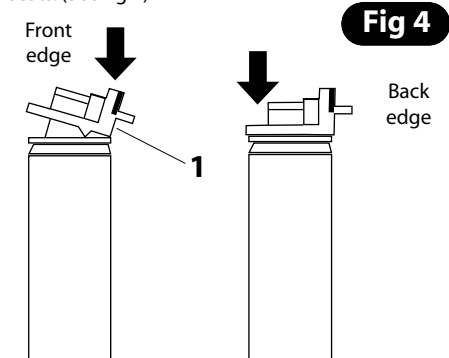
Fuel cell

Attaching the metering valve to the fuel cell



- 1) Metering valve
- 2) Cap

Remove the cap (2), push in the metering valve front edge (1) then push in the back edge until it seats. (See fig 4)



Function Description...

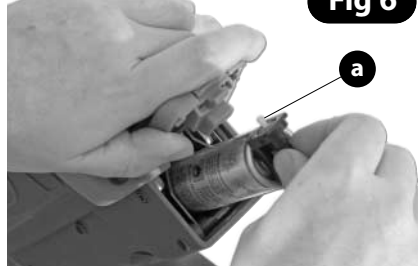
Installing the fuel cell

Fig 5



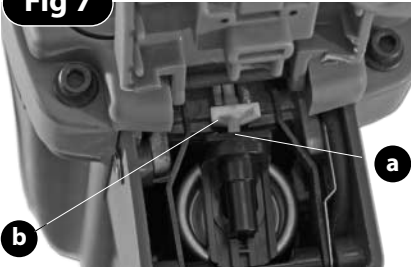
1) Push in fuel cell lock and open the cover.

Fig 6



2) Insert the fuel cell into the compartment. Direct the jet nozzle valve (a) towards the adapter (b). (See figs 6 and 7)

Fig 7



3) Insert the jet nozzle (a) into the small hole in the adapter (b). **Make sure it is inserted properly.**

Fig 8



4) Close the fuel cell cover.

Adjusting the nail depth



CAUTION: Before adjusting nail depth, remove the fuel cell, the battery and the nail magazine before continuing.

Using a 4mm Hex key loosen the two Hex screws as shown in fig 9 and move the contact element. Re-tighten the Hex screws and replace the spring (See figs 10-11)

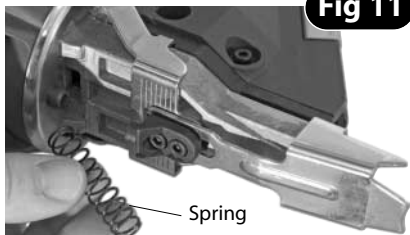
Fig 9



Fig 10



Fig 11



Function Description...

Indication lamp

The colour of the indication lamp functions is as follows:

- **Blue lamp on:**

Normal status

- **Red/Blue lamps flashing alternately:**

Indication that the unit is overheating. Remove the battery (**B**), and leave the unit to cool down for 5 minutes then replace the battery (**B**) and continue with operation.

- **Red lamp on:** battery low

Remove the battery and recharge.

Hook

The hook is convenient for hanging the tool temporarily when not in use.

Pull out the steel hook (**a**) from the moulded recess in the nailer casing and hook it over a solid structure (See figs 12-13).

Fig 12



Fig 13



Loading the nails



CAUTION: Before loading the nails remove the fuel cell and battery before continuing.

1) Depress the magazine lock button and pull it back to the rear of the magazine until it lock in place.

2) Insert the nail strip into the magazine.

3) Depress the lock button in and gently lower the magazine lock until it's up against the nail strip. Release the button to lock the assembly in place (See figs 14-15-16)

Fig 14



Fig 15



Fig 16



Operating Instructions...

Operation



CAUTION: Before operating the nailer check that the nail strip and fuel cell has been inserted correctly

Step 1: Insert the battery pack into the nailer as described earlier in the manual. Position the contact element against the workpiece. The fan motor will start, fuel is injected into the combustion chamber which is mixed with the air by the fan.

Step 2: While holding the nailer in position, squeeze the trigger, the spark plug will ignite the fuel/air mixture driving the piston down onto the nail which ignites it into workpiece. (See fig 17)

Fig 17

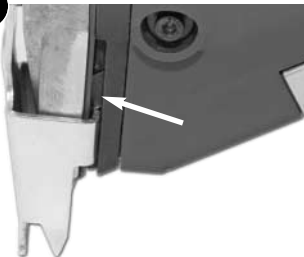


Step 3: Lift the nailer away from the workpiece then release the trigger which opens the combustion chamber to allow the fan to blow the hot gases through the exhaust vents.

Anti dry fire mechanism Lock

This mechanism prevents the tool from firing when the nails have depleted. (See fig 18)

Fig 18



Anti-dry fire mechanism lock

When you have finished remove the battery, fuel cell and the nail strip

Removing jammed nails



CAUTION: Remove the fuel cell and the battery before continuing.

To remove the jammed nails follow the instructions below.

1. Remove the two Hex screws (a) and place assembly (b) safely aside.
2. Remove the contact element (c).
3. Push up the drive plate (d) remove the two Hex screws (e) and threaded retaining block (f) place safely aside.
4. Open the fuel cell cover and pull handle/magazine away from nose and clear the jam. (See figs 19-20-21-22-23)

Fig 19

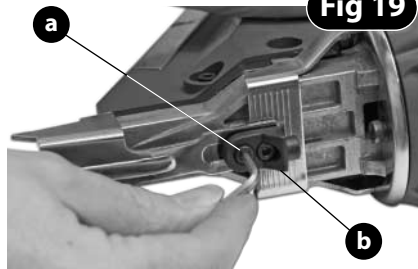


Fig 20

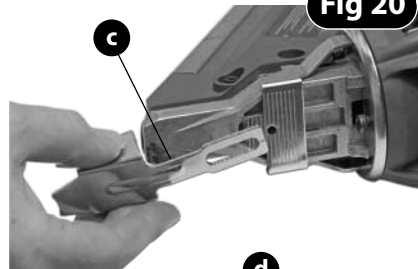
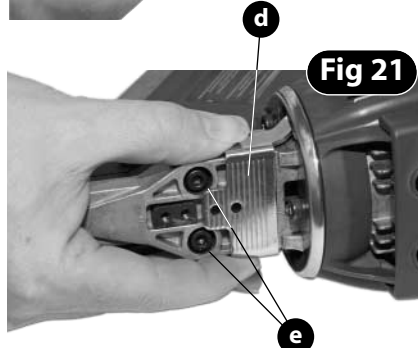


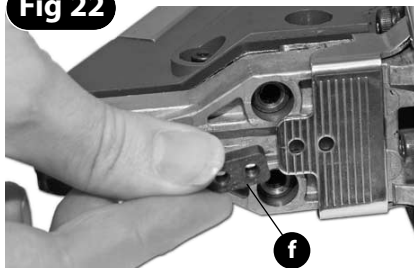
Fig 21



Continues Over....

Operating Instructions...

Fig 22



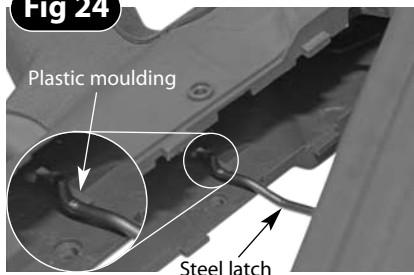
Remove the threaded retaining block (f)

Fig 23



5. After you have removed the jammed nail reassemble the nailer but in reverse. **(NOTE: make sure you line up the steel latch with the raised plastic moulding, see fig 24 below, otherwise the assembly will not merge correctly).**

Fig 24



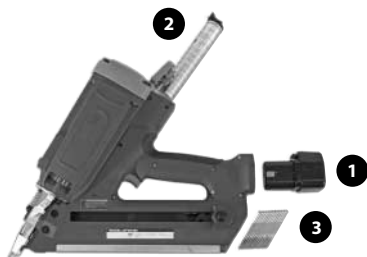
Firing Frequency

- Non-continuous operation: 2 to 3 nails per second
- Continuous operation: 1200 nails per hour
- No more than 5000 nails per day

Maintenance...



CAUTION: Always remove the battery, fuel cell and nails before carrying out any maintenance



Cleaning the air filter

After 12,000 cycles the following service procedures should be carried out

Fig 25



1. Open the air filter cover

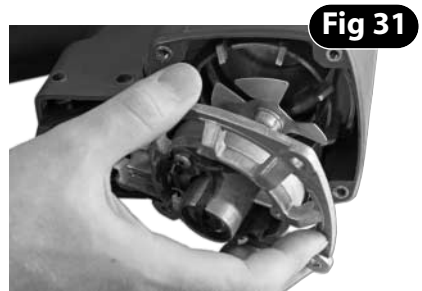
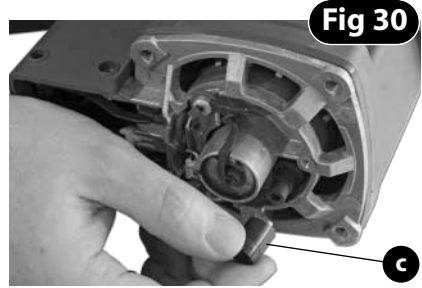
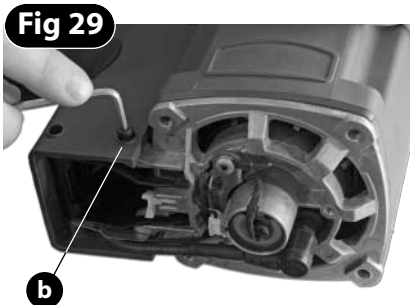
Fig 26



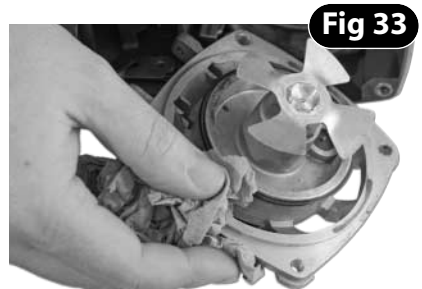
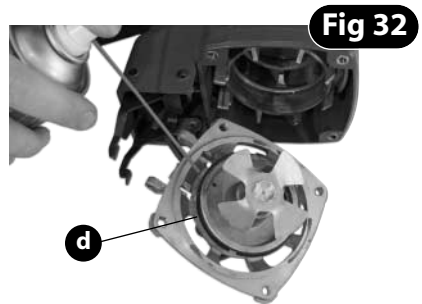
2. Clean the air filter using compressed air or soap and water

Cleaning the cylinder head

1. Remove the four Hex bolts (**a**) using a 4mm Hex key and place safely aside.
2. Remove the cylinder head cover and place safely aside.
3. Remove the two Hex screws (**b**) from the fuel cell compartment.
4. Remove the spark plug lead (**c**).
5. Lift out the cylinder head assembly.
(See figs 27-28-29-30-31)



6. Remove the steel O-ring (**d**) and clean the fan, cylinder head assembly with de-greaser and wipe with a dry cloth. Replace the O-ring.
(See figs 32-33)



Maintenance...

7. Clean the spark plug electrode with a small brush. (See fig 34)

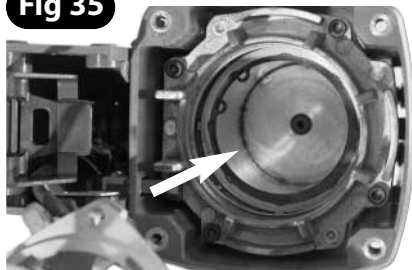
Fig 34



8. Press down the piston and clean the combustion chamber with de-greaser and wipe with a dry cloth. (See fig 35)

9. Replace the cylinder head assembly as described on the previous page but in reverse.

Fig 35



Cleaning the piston chamber

After 50,000 cycles the following service procedures should be carried out

1. Remove the cylinder head as described on the previous page.
2. Press down the piston, remove the circlip (a) with a pair of pliers and clean with de-greaser. (See fig 36)

Fig 36



3. Locate the piston removal rod (G), screw the threaded end into centre of the piston (b) and remove the piston assembly. (See figs 37-38)

Fig 37

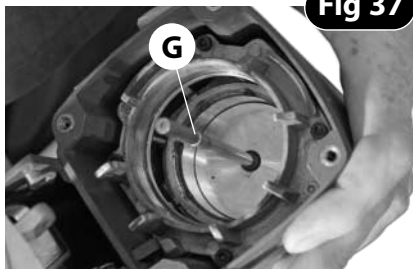
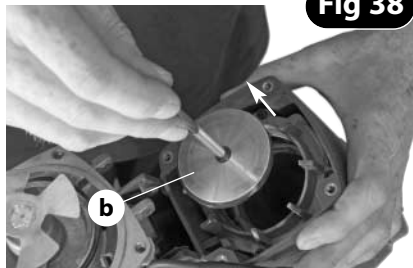


Fig 38



4. Clean the combustion chamber with de-greaser and wipe with a dry cloth.
5. Clean the piston with de-greaser and check for signs of wear and tear at the end of the firing pin.

Note: The firing pin should have a flat edge. If there are signs of burring to the edges or small cracks emerging, the piston assembly will need to be replaced. Contact our Technical Sales department on 0330 100 0299 for a replacement.

6. After cleaning the piston (b), re-insert the assembly into the combustion chamber, replace the circlip and reassemble the cylinder head as described on the previous page.

Cleaning the exhaust vents

After 100,000 cycles the following service procedures should be carried out

If you find the nails are not being fired into the workpiece properly the exhaust vents may need cleaning.

Maintenance...

1. Remove the two Phillips screws **(a)** on top of the front cover **(b)**, place safely aside.

2. Following the instructions illustrated on top of the cover, remove the cover **(b)** and place aside. (See figs 39-40)

Note: The cover may be tight to remove, a little force may be needed.

Note: Beneath the cover there are two plastic washers resting on the top exhaust plate **(c)**, remove them and place safely aside. (See fig 41)

Fig 39

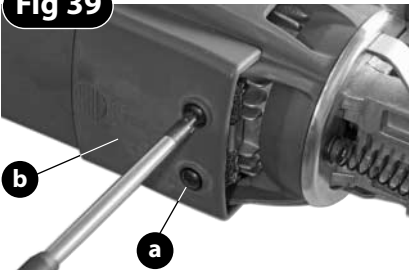


Fig 40



Fig 41



3. Using a 4mm hex key remove the four hex screws and place them safely aside. (See fig 42)

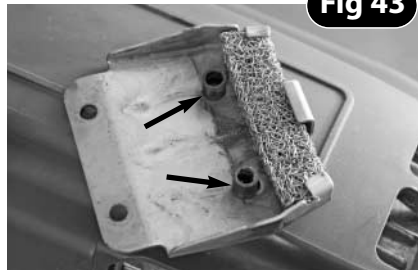
4. Lift away the exhaust plate **(c)**, Note be careful when removing, there are two depth spacers

beneath the exhaust plate, see fig 43, place these spacers safely aside.

Fig 42



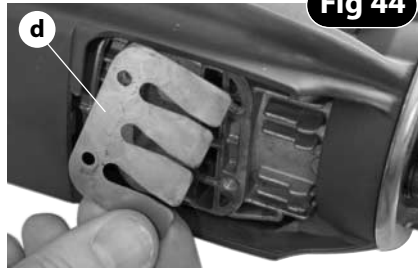
Fig 43



5. Remove exhaust plate valve **(d)**, clean with de-greaser and place safely aside. (See fig 44)

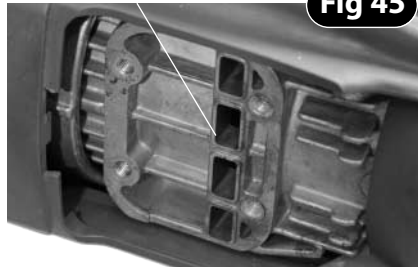
6. Blow out the exhaust vents with a air line and clean the manifold. (See fig 45)

Fig 44



Exhaust vents and manifold

Fig 45



Maintenance...

7. Replace the exhaust assembly as described on the previous page but in reverse order.

After Daily Work..

Before leaving work site

1. Remove the battery **(B)** and place it in the tool carrying case.
2. Dispose of all empty fuel cells properly by taking them to a **recycling centre**.

CAUTION: There may be gas fumes still in the fuel cells. Keep them away from children and **DO NOT** crush, puncture and above all **DO NOT** throw them onto a fire.

When you get home

1. Place the battery **(B)** in the Changer **(C)** if it needs changing.
2. Wipe the nailer over with a clean, soft cloth.
3. Check the air filter and clean if dusty.

To maintain product safety and reliability, if there are any other repairs or adjustments to be made it should be carried out by a qualified technician. Contact Axminster Tool Centre on 0800 371822

Accessories...

The GFN3490 gas nailer uses the same nails and fuel cells as many other brands, see our catalogue or visit our website at www.axminster.co.uk for details.



Fig 46

Twin pack gas fuel cells
Order no: 210705



Fig 47

Box kits of 2,200 nails with two gas fuel cells
or 3,300 nails with 3 gas fuel cells



Fig 48

Nailer cleaning kit
Order no: 210704

Troubleshooting...

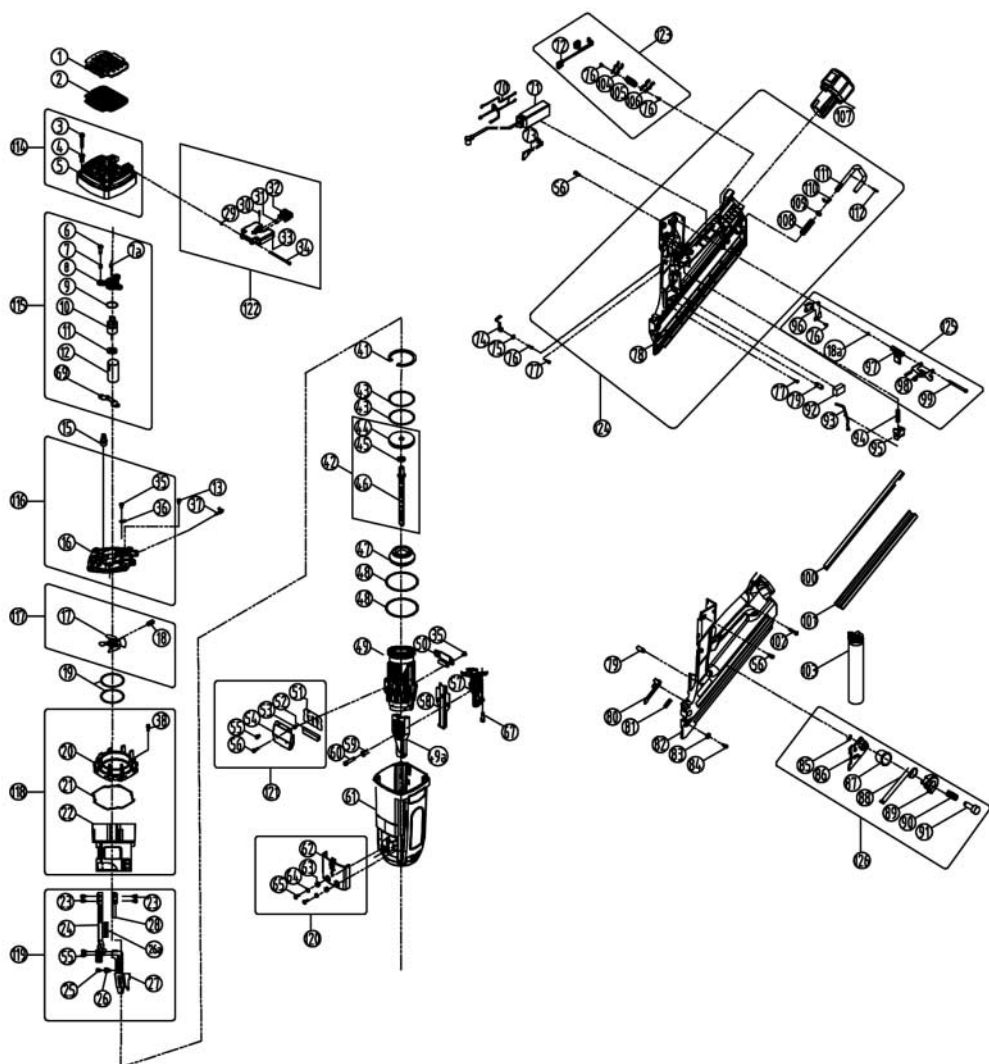
Before using

Symptom	Possible Problem	Solution
1, Press the metering valve on the fuel cell, no gas is sprayed out.	Improper installation of the metering valve.	Reinstall the metering valve, otherwise change to another metering valve or fuel cell.
2, The bottom of the metering valve doesn't contact with the top of the fuel cell bottle after installation.	Improper installation of the metering valve.	Reinstall the metering valve, otherwise change to another metering valve or fuel cell.
3, Charger indicator lamp doesn't light after connecting with electricity.	Insufficient connection between the charger plug and the power socket.	Re-insert the charger plug into the socket, and try again.
	Indicator lamp is broken.	Contact Axminster Tool Centre on 0800 371822
4, Charger doesn't work even if the indicator lamp light is on.	Poor electrical contact between the battery terminals and the charger.	Check the terminals, if the battery terminals are corroded clean using a green pad and try again. If you are still having problems contact Axminster Tool Centre.

During operation

Symptom	Possible Problem	Solution
1, Nails don't fit magazine.	Nails not suitable.	Use recommended nails.
2, Tool can be actuated without nails coming out.	Improper angled nail.	Use recommended nails.
	Feeder doesn't contact or push the nails.	Pull and release the feeder.
3, Blue indicator lamp light is on. You depress the work contact element and the fan rotates. When you squeeze the trigger the ignition works without an explosion.	Fuel cell doesn't spray.	Change fuel cell.
	Fuel cell is empty.	Change fuel cell.
	Carbon is accumulated on spark plug.	Clean spark plug.
	Leakage of electricity from spark plug.	Contact Axminster Tool Centre
4, The blue indicator lamp light is on, you can depress the work contact element but the fan doesn't rotate.	Motor is broken.	Contact Axminster Tool Centre
	Poor electrical contact for the motor	Contact Axminster Tool Centre
	Switch doesn't open or spring failure	Contact Axminster Tool Centre
5, The power of the tool is weakened or the piston assembly is not able to fully return to top area.	Dirt accumulated on piston rings and inner cylinder surface.	Check and clean piston rings and inner surface of cylinder.
	Check valve doesn't close fully.	Check and clean, check valve.
6, The Indicator on the nailer changes from blue lamp to blue/red lamp. It flashes alternately within 20 seconds. Operation is still available during this period. The Indicator lamp then turns to red after 20 seconds, then operation is not available. It repeats the same when reloading the battery.	Temperature sensor has poor contact or is broken.	Contact Axminster Tool Centre
7, When you squeeze the trigger there is more than one ignition.	Ground wire is loose or broken.	Contact Axminster Tool Centre
8, Battery is only capable of one actuation, it doesn't charge by reloading the battery.	Contacting spring doesn't return.	Contact Axminster Tool Centre

Parts Breakdown...



Parts List...

Part #	Description	Part #	Description
1	Air Filter Cover	57	Nose
2	Air Filter	58	Nose Cover Plate
3	70.1-2000 M5*40 Screw	59	Bushing
4	Cylinder Cap Bushing	60	Bolt M5*25
5	Cylinder Cap	61	Housing
6	Bolt M4*12	62	Exhaust Front Plate
7	Bushing	63	Bushing B
7a	Bushing	64	Washer 4
8	motor cushion collar	65	Bolt M4*10
9	motor cushion collar hoop	66	Bottom Cover
10	Motor, 6V q22	67	Bolt M5*14
11	MOTOR SHAFT PIECE	69	Circuit Board
12	Motor Bushing	70	Wires
13	M4*12GB/T818-2000	71	Ignition Coil
15	Spark Plug	72	Switch
16	Cylinder Head	73	Indicator
17	Fan	74	Compression Spring
18	FIXED SCREW M3*5	75	Washer 3
18a	Nut M3	76	Tapping screw ST2.9*6.5-H-F
19	Piston Ring, 66*3*0.6	77	Tapping screw ST2.9*9.5-H-F
20	Combustion Chamber Head	78	Magazine Right Cover
21	Seal	79	Organic glass
22	Combustion Chamber Housing	80	Stopper
23	M4*10	81	Compression Spring
24	Safety bracket assembly	82	Magazine Left Cover
25	M4*6	83	Washer 4
26	Safety bracket bush	84	Bolt M4*8
26A	Spring	85	Check Ring
27	Safety assembly	86	Feeder
28	Cylinder sleeve guide part assembly	87	COIL SPRING SLEEVE
29	O-ring, 6.5*1.4	88	Coil Spring
30	Bolt 2*14	89	Feeder Pusher
31	Spring	90	Spring
32	Cover Lock	91	Pushbutton
33	Fuel Cell Chamber Cover	92	Cushion
34	Pin	93	Ejector Pin
35	Bolt M4*6	94	Compression Spring
36	Wire Clip	95	Trigger
37	Spray Nozzle	96	Wire constraints
38	Bolt M4*14	97	Plastic pusher
39	Safety Contact Unit Base	98	Rod
40	Work Contact Element	99	Pin
41	Circlip	100	Rail
42	Piston Assembly	101	Connector
43	Piston Ring, 56.5*2*0.6	102	Tapping Screw
44	Piston	103	Fuel Cell
45	Washer	104	Battery Reed A
46	Driver Blade	105	Plastic base
47	Bumper	106	Battery Reed B
48	Piston Ring, 72.3*3*0.6	107	Battery, Ni-CD/Ni-MH 7.2V
49	Cylinder	108	Pull-out piece Spring
50	Fender Apron	109	Washer
51	Check Valve	110	Baffle Plate
52	Exhaust Filter	111	Belt Hook
53	Bushing	112	Bolt 3*14
54	Exhaust Cover	113	BATTERY CHARGER
55	M4*6	114	Body cover assembly
56	M4*12	115	Motor assembly
116	Cylinder head assembly	122	Fuel cell cap assembly
117	Fan assembly	123	Battery spring assembly
118	Cylinder sleeve assembly	124	Magazine right cover assembly
119	Safety assembly	125	Compressor lever assembly
120	Exhaust shield assembly	126	Feeder assembly
121	Check valve plate assembly		

