ITEM NO.:APC4004

ALL-POWER

Owner's Manual

AIR COMPRESSOR WITH NAILGUN

READ AND SAVE THESE INSTRUCTIONS!

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Compressor w/Nailgun

Table of Contents

WARNING! READ AND UNDERSTAND ALL SAFETY PRECAUTIONS IN THIS MANUAL BEFORE OPERATING. FAILURE TO COMPLY WITH INSTRUCTIONS IN THIS MANUAL COULD RESULT IN PERSONAL INJURY, PROPERTY DAMAGE, AND/ OR VOIDING OF YOUR WARRANTY. ALL POWER AMERICA WILL NOT BE LIABLE FOR ANY DAMAGE BECAUSE OF FAILURE TO FOLLOW THESE INSTRUCTIONS.

Safety Guidelines - Definitions

This manual contains important information that you need to know and understand in order to protect YOUR SAFETY and to PREVENT EQUIPMENT PROBLEMS. The following symbols help you recognize this information. Please read the manual and pay attention to these sections.

WARNING! WARNINGS INDICATE A CERTAINTY OR STRONG POSSIBILITY OF PERSONAL INJURY OR DEATH IF INSTRUCTIONS ARE NOT FOLLOWED.

CAUTION: CAUTIONS INDICATE A POSSIBILITY OF EQUIPMENT DAMAGE IF INSTRUCTIONS ARE NOT FOLLOWED.

Note: Notes give helpful information.

WARNING! IMPROPER OPERATION OR MAINTENANCE OF THIS PRODUCT COULD RESULT IN SERIOUS INJURY AND PROPERTY DAMAGE. READ AND UNDERSTAND ALL WARNINGS AND OPERATING INSTRUCTIONS BEFORE USING THIS EQUIPMENT. WHEN USING AIR TOOLS, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO REDUCE THE RISK OF PERSONAL INJURY.

Save These Important Safety Instructions!

Read and understand all of these safety instructions. Be sure to retain them for future use.

Compressor w/Nailgun

Hazard Warnings

Dust

WARNING! SOME DUST CREATED BY POWER SANDING, SAWING, GRINDING, DRILLING, AND OTHER CONSTRUCTION ACTIVITIES CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

These chemicals may include (but are not limited to) the following:

- Lead from lead-based paints
- Crystalline silica from bricks and cement and 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, always wear MSHA/NIOSH approved, properly fitting face masks or respirators when using such tools.

Always follow basic safety precautions when using air tools to reduce the risk of personal injury.

Bursting

Rust can weaken the tank. Drain the condensed water from the tank after each use to reduce rusting. If a leak is detected in the tank, replace the tank immediately. Do not weld, drill or modify the air tank of this compressor. Welding or modifications on the air compressor tank can severely impair tank strength and cause an extremely hazardous condition. Welding or modifying the tank in any manner will void the warranty.

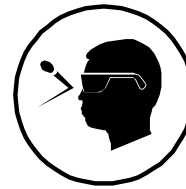
Check the manufacturer’s maximum pressure rating for air tools and accessories. Compressor outlet pressure must be regulated so as to never exceed the maximum pressure rating of the tool. Relieve all pressure through the hose before attaching or removing accessories.

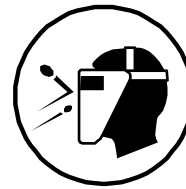
Do not adjust the pressure switch or relief valve for any reason. Doing so voids all warranties. They have been preset at the factory for the maximum pressure of this unit. Personal injury and/ or property damage may result if the pressure switch or the relief valve are tampered with.

Do not use plastic or pvc pipe for compressed air. Use only galvanized steel pipe and fittings for compressed air distribution lines.

Hazard Warnings (cont'd)

Risk of Eye or Head Injury





What could happen:

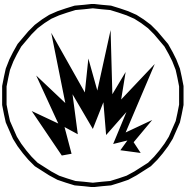
- Air powered equipment and power tools are capable of propelling materials such as fasteners, metal chips, saw dust, and other debris at high speed, which could result in serious eye injury.
- Compressed air can be hazardous. The air stream can cause injury to soft tissue areas such as eyes, ears, etc. Particles or objects propelled by the stream can cause injury.
- Tool attachments can become loose or break and fly apart propelling particles at the operator and others in the work area.

How to prevent it:

- Always wear ANSI approved Z87.1 safety glasses with side shields.
- Never leave operating tool unattended. Disconnect air hose when tool is not in use.
- For additional protection, use an approved face shield in addition to safety glasses.
- Make sure that any attachments are securely assembled.
- Never point any nozzle or sprayer toward a person or any part of the body. Equipment can cause serious injury if the spray penetrates the skin.

Hazard Warnings (cont'd)

Risk of Fire or Explosion



What could happen:

- Abrasive tools such as sanders and grinders, rotating tools such as drills, and impact tools such as nailers, staplers, wrenches, hammers, and reciprocating saws are capable of generating sparks which could result in ignition of flammable materials.
- It is normal for the compressor motor and pressure switch to produce sparks while operating. If sparks come into contact with vapors from gasoline or other solvents, they may ignite, causing fire or explosion.
- Exceeding the maximum pressure rating of tools or accessories could cause an explosion resulting in serious injury.

How to prevent it:

- Never operate tools near flammable substances such as gasoline, cleaning solvents, etc.
- Work in a clean, well ventilated area free of combustible materials.
- Never use oxygen, carbon dioxide or other bottled gases as a power source for air tools.
- Use compressed air regulated to maximum pressure at or below the rated pressure of any attachments.
- Never connect to an air source that is capable of exceeding 200 psi.
- Always verify prior to using the tool that the air source has been adjusted to the rated air pressure range.
- Never spray flammable liquids in a confined area. Do not spray where sparks or flame are present.
- Do not smoke while spraying.
- Keep compressor as far from spray area as possible.

Hazard Warnings (cont'd)

Risk of Hearing Loss

What could happen:

- Long term exposure to noise produced from the operation of air tools can lead to permanent hearing loss.

How to prevent it:

- Always wear ANSI S3.19 hearing protection when using a compressor.

Risk to Breathing/Inhalation Hazard

What could happen:

- Abrasive tools such as grinders, sanders, and cut-off tools generate dust and abrasive materials which can be harmful to human lungs and respiratory system.
- Some materials such as adhesives and tar contain chemicals whose vapors could cause serious injury with prolonged exposure.

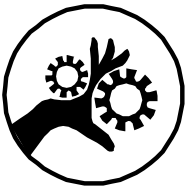
How to prevent it:

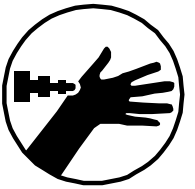
- Always wear MSHA/NIOSH approved, properly fitting face mask or respirator when using such tools. Read all instructions and be sure that your respirator mask will protect you.
- Always work in a clean, dry, well ventilated area.
- Never directly inhale the compressed air produced by a compressor. It is not suitable for breathing purposes.
- Be certain to read all labels when you are spraying paints or toxic materials, and follow the safety instructions.

Compressor w/Nailgun

Hazard Warnings (cont'd)

Risk of Injury





What could happen:

- Tools left unattended, or with the air hose attached can be activated by unauthorized persons leading to their injury and/or injury to others.
- Air tools can propel fasteners or other materials throughout the work area.
- A wrench or key that is left attached to a rotating part of the tool increases the risk of personal injury.
- Using inflator nozzles for duster applications can cause serious injury.
- Air tools can become activated by accident during maintenance or tool changes.
- Air tools can cause the work-piece to move upon contact leading to injury.
- Loss of control of the tool can lead to injury to self or others.
- Poor quality, improper, or damaged tools such as grinding wheels, chisels, sockets, drills, nailers, staplers, etc., can fly apart during operation, propelling particles throughout the work area causing serious injury.
- Fasteners could ricochet or be propelled causing serious injury or property damage.
- Improperly maintained tools and accessories can cause serious injury.
- There is a risk of bursting if the tool is damaged.
- The compressor unit starts automatically. Serious injury could occur from contact with moving parts.

Hazard Warnings (cont'd)

Risk of Injury (cont'd)

How to prevent it:

- Remove air hose when tool is not in use and store tool in secure location away from reach of children and or untrained users.
- Use only parts, fasteners, and accessories recommended by the manufacturer.
- Keep work area clean and free of clutter. Keep children and others away from work area during operation of the tool.
- Keep work area well lit.
- Remove adjusting keys and wrenches before turning the tool on.
- DO NOT use inflator nozzles for duster applications.
- Remove air hose to lubricate or add grinding attachments, sanding discs, drills, etc. to the tool.
- Never carry the tool by the hose.
- Avoid unintentional starting. Don't carry hooked-up tool with finger on trigger.
- Repair servicing should be done only by an authorized service representative.
- Use clamps or other devices to prevent movement.
- Never operate tool while under the influence of drugs or alcohol.
- Don't overreach. Keep proper footing and balance of all times.
- Keep handles dry, clean and free from oil and grease.
- Stay alert. Watch what you are doing. Use common sense. Do not operate tool when you are tired.
- Always use tool attachments rated for the speed of the power tool.
- Never use tools which have been dropped, impacted or damaged by use.

Hazard Warnings (cont'd)

Risk of Injury (cont'd)

- Use only impact grade sockets on an impact wrench.
- Do not apply excessive force to the tool. Let the tool perform the work.
- Never point discharge of tool at self or others.
- Do not pull trigger unless tool contact safety device is against work surface.
- Never attempt to drive fasteners into hard surfaces such as steel, concrete, or tile.
- Take care to avoid driving a fastener on top of another fastener.
- Position tool carefully so that fasteners will be delivered to the proper location.
- Use only accessories identified by the manufacturer to be used with specific tools.
- Maintain the tool with care.
- Keep a cutting tool sharp and clean. A properly maintained tool, with sharp cutting edges reduces the risk of binding and is easier to control.
- Check for misalignment of binding or moving parts, breakage of parts, and any other condition that effects the tool's operation. If damaged, have the tool serviced before using.
- Use of an accessory not intended for use with the specific tools increases the risk of injury to persons.
- Always shut off the compressor, remove the plug from the outlet, and bleed all pressure from the system before servicing the compressor, and when the compressor is not in use.
- Do not operate the unit with the shroud removed.

Hazard Warnings (cont'd)

Risk of Electric Shock

What could happen:

- Using air tools to attach electrical wiring can result in electrocution or death.
- Improper electrical connections can result in fires, electrocution, or death.
- This tool is not provided with an insulated gripping surface. Contact with a "live" wire makes exposed metal tool parts "live", resulting in possible electrocution or death.
- Fasteners coming in contact with hidden electrical wiring could cause electrocution or death.

How to prevent it:

- Never use nailer/staplers to attach electrical wiring while energized.
- Avoid body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is grounded.
- Thoroughly investigate the work piece for possible hidden wiring before performing work.
- A licensed electrician in accordance with all local and national codes must install all wiring.
- Never use an electric air compressor outdoors when it is raining or on a wet surface, as it may cause an electric shock.

Compressor w/Nailgun

Hazard Warnings (cont'd)

Risk of Entanglement

What could happen:

- Tools containing moving elements or driving other moving tools (grinding wheels, sockets, sanding discs, etc.) can become entangled in hair, clothing, jewelry, and other loose objects, resulting in injury.

How to prevent it:

- Never wear loose fitting clothes, or apparel which contains loose straps or ties, etc. which could become entangled in moving parts.
- Remove any jewelry, watches, identifications, bracelets, necklaces, etc. which might become caught by the tool.
- Keep hands away from moving parts. Tie up or cover long hair.

Hazard Warnings (cont’d)

Risk of Cut or Burns

What could happen:

- Tools which cut, shear, drill, staple punch, chisel, etc. are capable of causing serious injury.
- The pump and manifold generate high temperatures.

How to prevent it:

- Keep the working part of the tool away from hands and body.
- Do not touch the pump, manifold or transfer tube while the pump is running. Allow them to cool before handling or servicing.
- Keep children away from the compressor at all times.

Compressor w/Nailgun

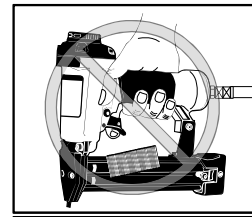
Additional Warnings

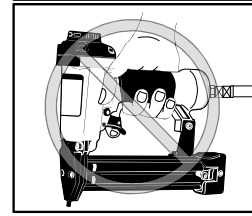
Finish Nailer

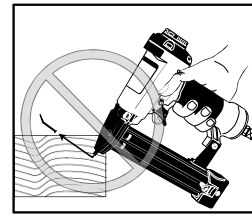
- Keep fingers away from trigger when not driving fasteners to avoid accidental firing.
- Choice of triggering method is important. Read all pertinent directions in this manual for approved triggering options.
- Never point tool at yourself or others in work area.
- Never use oxygen or other bottled gasses. Explosion may occur. Never use combustible gases or any other reactive gas as a power source for this tool: explosion and serious personal injury could result.
- Use clean, dry, regulated, compressed air at 70 to 120 PSI (4.8 to 8.3 bar). Never connect tool to any pressure that could potentially exceed 200 PSI (13.7 bar).
- Always use an air hose that is rated for a maximum working pressure of at least 150 PSI (10.3 bar) or 150% of the maximum system pressure, whichever is greater.
- Connect the tool to the air supply hose with a coupling that automatically removes all pressure from the tool when the coupling is disconnected.
- Disconnect the tool from the air supply hose before doing tool maintenance, clearing a jammed fastener, leaving the work area, moving tool to another location, or handing the tool to another person.
- Never use a tool that is leaking air, has missing or damaged parts, or that requires repair. Make sure all screws and caps are securely tightened.
- Never use tool if safety, trigger, or springs are inoperable, missing, or damaged. Do not alter or remove safety, trigger, or springs. Make daily inspections for free movement of both the trigger and safety mechanism.
- Do not use the tool without its safety warning label. If the label is missing, damaged or unreadable, contact your All Power America Service Center for a replacement.
- Only use parts, fasteners and accessories approved by All Power America.
- Connect the tool to the air supply before loading fasteners to prevent a fastener from being fired during connection. The tool driving mechanism may cycle when tool is connected to the air supply.

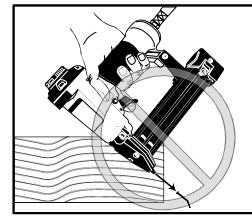
Additional Warnings (cont'd)

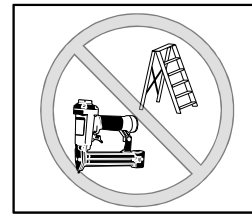
Finish Nailer (cont'd)











- Always assume that the tool contains fasteners. No horseplay. Respect the tool as a working implement.
- Operator and bystanders must wear hard hats to safeguard against possible injuries.
- Do not load fasteners with the trigger or safety depressed, to prevent unintentional firing.
- Remove your finger from the trigger when not driving fasteners. Never carry the tool with a finger on the trigger. The tool will fire a fastener if the safety is bumped while the trigger is depressed.
- Only fire fasteners into the work surface; never into materials too hard to penetrate.
- Grip the tool firmly to maintain control while allowing the tool to recoil away from work surface as the fastener is driven. If the safety element is allowed to recontact the work surface before the trigger is released, an unwanted fastener will be fired.
- Do not drive fasteners on top of other fasteners or with the tool at too steep an angle. Fasteners can ricochet causing personal injury.
- Do not drive fasteners close to the edge of the work piece. The work piece may split, allowing the fastener to fly free or ricochet and cause personal injury.
- FOR CONTACT ACTUATION TOOLS ONLY, Do not use on scaffoldings or ladders or for tasks in which changing location involves the use of scaffoldings, stairs, ladders, and the like. Do not use for specific tasks transportation safety systems or vehicles and wagons.
- Only use All Power America approved fasteners.

Compressor w/Nailgun

Compressor

Item	Value
Peak horsepower	1.5HP
Tank Capacity	2 Gallons
Voltage/Frequency/Amp	120V/60Hz/10
CFM Delivery at 90 PSI	2.4 CFM
Maximum Pressure	115 PSI

This air compressor pump is capable of running continuously. However, to prolong the life of your air compressor, it is recommended that a 50%-75% average duty cycle be maintained; that is, the air compressor pump should not run more than 30-45 minutes in any given hour.

General operation

Depending on the CFM draw of the tools being operated, your new air compressor can be used for operating paint sprayers, air tools, grease guns, air brushes, caulking guns, sandblasters, inflating tires and plastic toys, spraying weed killer and insecticides, etc. An air pressure regulator is usually necessary for most of these applications.

How it works

To compress air, the pistons move up and down in the cylinder. Air enters through the valve inlet on the down stroke and the discharge valve remains closed. Air is compressed on the up stroke. The inlet valve closes and the compressed air is forced out through the discharge valve, through the check valve, and into the air receiver.

Working air is not available until the compressor has raised the air receiver pressure above that required at the service connection. The air inlet filter openings must be kept clear of obstructions, which could reduce the air compressor’s air delivery.

Compressor (cont'd)

Electrical Requirements

Grounding requirements

WARNING! IN THE EVENT OF A SHORT CIRCUIT, GROUNDING REDUCES THE RISK OF SHOCK BY PROVIDING AN ESCAPE WIRE FOR THE ELECTRIC CURRENT. THIS AIR COMPRESSOR MUST BE PROPERLY GROUNDED. THE OUTLET BEING USED MUST BE INSTALLED AND GROUNDED IN ACCORDANCE WITH ALL LOCAL CODES AND ORDINANCES. IMPROPER GROUNDING CAN RESULT IN ELECTROCUTION.

The cord set and plug with this unit contains a grounding pin. This plug MUST be used with a grounded outlet. Do not modify the plug provided. If it does not fit the available outlet, a correct outlet should be installed by a qualified electrician.

Make sure the outlet being used has the same configuration as the grounded plug. DO NOT USE AN ADAPTER.

Inspect the plug and cord before each use. Do not use if there are signs of damage.

If these grounding instructions are not completely understood, or if you are in doubt as to whether the compressor id properly grounded, have the installation checked by a qualified electrician.

Repairs to the cord set or plug MUST be made by a qualified electrician.

Compressor (cont'd)

Electrical Requirements (cont'd)

Extension cords

Using extension cords is not recommended. The use of extension cords will cause voltage to drop, resulting in power loss to the motor and overheating.

Instead of using an extension cord, increase the working reach of the air hose by attaching another length of hose to its end. Attach additional lengths of hose as needed. If an extension cord must be used:

- Use a 3-wire extension cord that has a 3-blade grounding plug and a 3-slot receptacle that will accept the plug on the product
- The extension cord must be in good condition
- The extension cord must be no longer than 50 feet
- 14-gauge (AWG) or larger. (Wire size locations as gauge number decreases. 12 AWG and 10 AWG may also be used. (DO NOT USE 16 OR 18 AWG.)

Voltage and circuit protection

This air compressor can be operated on a 15 amp circuit if the following conditions are met:

- Voltage supply to the circuit must comply with the National Electrical Code.
- The circuit is not used to supply any other electrical needs.
- Extension cords comply with the above specifications.
- The circuit must be equipped with a 15-amp circuit breaker or 15 amp time delay fuse. Time delay fuses should be marked "D" in Canada and "T" in the US.

If any of the above conditions cannot be met, or if the operation of the compressor repeatedly causes interruption of the power, it may be necessary to operate it from a 20 amp circuit. It is not necessary to change the cord set.

Compressor (cont'd)

Installation and location

Locate the compressor in a clean, dry, well-ventilated area. The compressor should be located 12 to 18 inches from a wall or any other obstruction that might interfere with the air flow through the fan blade belt wheel. Place the compressor on a firm, level surface. The air compressor is designed with heat dissipation fins that allow for proper cooling. Keep the fins or other parts that collect dirt or dust clean. A clean compressor runs cooler and provides longer service. Do not place rags, containers or other materials on top of the compressor.

Controls

Become familiar with these controls before operating the unit.

- **ON/AUTO/OFF Switch:** Turn this switch ON to provide automatic power to the pressure switch and OFF to remove power at the end of each use.
- **Pressure Switch:** The pressure switch automatically starts the motor when the air tank pressure drops below the factory-set "cut-in" pressure. It stops the motor when the air tank pressure reaches the factory-set "cut-out" pressure.
- **Safety Valve:** If the pressure switch dies not shut off the air compressor at its "cut-out" pressure setting, the safety valve will protect against high pressure by "popping out" at its factory-set pressure (slightly higher than the pressure switch "cut-out" setting).
- **Tank Pressure Gauge:** The tank pressure gauge indicates the reserve air pressure in the tank.
- **Outlet Pressure Gauge:** The outlet pressure gauge indicates the air pressure available at the outlet side of the regulator. This pressure is controlled by the regulator and is always less than or equal to the tank pressure.
- **Regulator:** Controls the air pressure shown on the outlet pressure gauge. Turn regulator knob clockwise to increase pressure and counterclockwise to decrease pressure.
- **Universal Quick-Connect Body:** The universal quick-connect body accepts the three most popular styles or quick-connect plugs: industrial, automotive (Tru-flate), and ARO. One hand push-to-connect operation makes connections simple and easy.

Compressor w/Nailgun

Compressor (cont'd)

Controls (cont'd)

- **Cooling system:** This compressor contains an advanced design cooling system that includes an engineered fan that blows air through the vent holes in large amounts.
- **Air Compressor Pump:** Compresses air into the air tank. Working air is not available until the compressor has raised the air tank pressure above that required at the air outlet.
- **Drain Valve:** The drain valve is located at the base of the air tank and is used to drain condensation at the end of each use.
- **Check Valve:** When the air compressor is operating, the check valve is open, allowing compressed air to enter the air tank. When the air compressor reaches "cut-out" pressure, the check valve closes, allowing air pressure to remain inside the air tank.

Compressor (cont'd)

Break-in procedure

CAUTION: SERIOUS DAMAGE MAY RESULT IF THE FOLLOWING BREAK-IN INSTRUCTIONS ARE NOT CLOSELY FOLLOWED.

1 This procedure is required before the air compressor is put into service and when the check valve or a complete compressor pump has been replaced.

2 Make sure the ON/AUTO/OFF lever is in the "OFF" position. Pull the coupler back until it clicks to prevent air from escaping through the quick connect.

3 Plug the power cord unto the connect branch circuit receptacle, being sure it complies with all of the requirements listed above.

4 Open the drain valve fully to permit air to escape and prevent air pressure build-up in the air tank during the break-in period.

5 Move the ON/AUTO/OFF lever to "ON/AUTO" position. The compressor will start.

6 Run the compressor for 15 minutes. Make sure the drain valve is open and there is minimal air pressure build-up in the tank.

7 After 15 minutes, close the drain valve. The air receiver will fill to "cut-out" pressure and the motor will stop.

The compressor is now ready for use.

Compressor (cont'd)

Before each start-up

1. Place ON/AUTO/OFF lever to "OFF."
2. Turn the regulator knob counterclockwise to set the outlet pressure to zero.
3. Attach hose and accessories.

Note: The hose or accessory will require a quick-connect plug of the air outlet is equipped with a quick-connect socket.

WARNING! EXCESSIVE AIR PRESSURE CAUSES A HAZARDOUS RISK OF BURSTING. CHECK THE MANUFACTURER'S MAXIMUM PRESSURE RATING FOR AIR TOOLS AND ACCESSORIES. THE REGULATOR OUTLET PRESSURE MUST NEVER EXCEED THE MAXIMUM PRESSURE RATING.

Starting the compressor

1. Turn the ON/AUTO/OFF lever to "AUTO" and allow tank pressure to build. The motor will stop when tank pressure reaches "cut-out" pressure.
2. Turn regulator knob clockwise to increase pressure and stop when desired pressure is reached.

The compressor is ready for use.

Maintenance

- **Check Safety Valve:** Before each use
- **Drain Tank:** Daily or after each use

WARNING! UNIT CYCLES AUTOMATICALLY WHEN POWER IS ON. WHEN PERFORMING MAINTENANCE, YOU MAY BE EXPOSED TO VOLTAGE SOURCES, COMPRESSED AIR OR MOVING PARTS. PERSONAL INJURIES CAN OCCUR. BEFORE PERFORMING ANY MAINTENANCE OR REPAIR, DISCONNECT POWER SOURCE FROM THE COMPRESSOR AND BLEED OFF ALL AIR PRESSURE.

Compressor (cont'd)

Maintenance (cont'd)

Checking the safety valve

WARNING! IF THE SAFETY VALVE DOES NOT WORK PROPERLY, OVER-PRESSURIZATION MAY OCCUR, CAUSING AIR TANK RUPTURE OR AN EXPLOSION.

Before starting your compressor, pull the ring on the safety valve to make sure that the safety valve operates freely. If the valve is stuck or does not operate smoothly, it must be replaced with the same type of valve.

Draining the tank

1 Set the ON/AUTO/OFF lever to "OFF."

2 Turn the regulator knob counterclockwise to set the outlet pressure to zero.

3 Remove the air tool or accessory.

4 Pull ring on safety valve allowing air to bleed from the tank until tank pressure is approximately 20psi. Release safety valve ring.

5 Drain water from air tank by opening drain valve on bottom of tank.

WARNING! WATER WILL CONDENSE IN THE AIR TANK. IF NOT DRAINED, WATER WILL CORRODE AND WEAKEN THE AIR TANK CAUSING A RISK OF AIR TANK RUPTURE.

6 After the water has been drained, close the drain valve. The air compressor can now be stored.

If the drain valve is plugged, release all air pressure. The valve can then be removed, cleaned and then reinstalled.

Compressor (cont'd)

Service and adjustments

WARNING! ALL MAINTENANCE AND REPAIR OPERATIONS NOT LISTED MUST BE PERFORMED BY TRAINED SERVICE TECHNICIANS.

WARNING! UNIT CYCLES AUTOMATICALLY WHEN POWER IS ON. WHEN SERVICING, YOU MAY BE EXPOSED TO VOLTAGE SOURCES, COMPRESSED AIR OR MOVING PARTS. BEFORE SERVICING UNIT, UNPLUG OR DISCONNECT ELECTRICAL SUPPLY TO THE AIR COMPRESSOR, BLEED TANK OR PRESSURE AND ALLOW THE AIR COMPRESSOR TO COOL.

Cleaning or replacing check valve

1 Release all air pressure from air tank. See "Draining the tank" in the Maintenance section, above.

2 Unplug the unit.

3 Remove the hose by removing the hose clamp.

Note: The hose clamp is not reusable. You must purchase a new hose clamp. Purchase a standard hose clamp at a local hardware store.

4 Unscrew the check valve (turn counterclockwise) using a socket wrench.

5 Make sure the valve disc moves freely inside the check valve and the spring holds the disc in the upper, closed position. The check valve may be cleaned with a solvent, such as paint and varnish remover.

6 Apply sealant to the check valve threads. Reinstall the check valve (turn clockwise).

7 Replace hose and new hose clamp.

8 Perform the break-in procedure, described above.

Compressor (cont'd)

Service & adjustments (cont'd)

Replacing the regulator

1. Release all air pressure from the air tank. See "Draining the tank", above.
2. Unplug the unit.
3. Using an adjustable wrench, remove the outlet pressure gauge and quick-connect from the regulator.
4. Remove the regulator.
5. Apply pipe sealant tape to the nipple on the standpipe.
6. Assemble the regulator and orient correctly.

Note: Arrow indicates flow of air. Make sure it is pointing in the direction of air flow.

7. Reapply pipe sealant to outlet pressure gauge and quick-connect.
8. Reassemble outlet pressure gauge and quick-connect. Orient outlet pressure gauge to read correctly. Tighten connect with wrench.

Compressor (cont'd)

Storage

Before storing the air compressor, make sure you do the following:

1 Review the "Maintenance" section on the preceding pages and perform scheduled maintenance as necessary.

2 Set the ON/AUTO/OFF lever to "OFF" and unplug unit.

3 Turn the regulator counterclockwise and set the outlet pressure to zero.

4 Remove the air tool or accessory.

5 Pull ring on safety valve, allowing air to bleed from the tank until tank pressure is approximately 20 psi. Release safety valve ring.

6 Drain water from air tank by opening drain valve on bottom of tank.

WARNING! WATER WILL CONDENSE IN THE AIR TANK. IF NOT DRAINED, WATER WILL CORRODE AND WEAKEN THE AIR TANK CAUSING A RISK OF AIR TANK RUPTURE.

7 After the water has been drained, close the drain or drain valve.

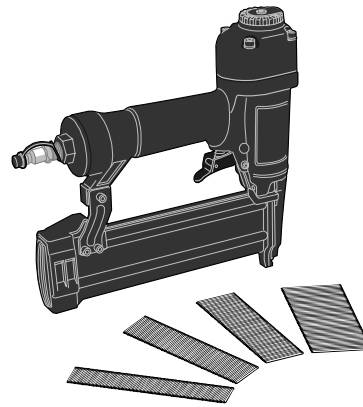
Note: If drain valve is plugged, release all air pressure. The valve can then be removed, cleaned and then reinstalled.

8 Protect the electrical cord and air hose from damage (such as being stepped on or run over). Wind them loosely around the compressor handle.

9 Store the air compressor in a clean and dry location.

Finish Nailer

This is a heavy duty pneumatic finish nailer that has been designed to drive 18 ga. finish nails of various lengths from 5/8" to 2".



Power Source

This tool is designed to operate on clean, dry, compressed air at regulated pressures between 70 and 120 PSI (4.8 to 8.3 bar). The preferred system includes the following components:

- Filter
- Pressure regulator
- Automatic oiler located as close to the tool as possible (preferably within 15 feet.

All compressed air contains moisture and other contaminants that are detrimental to the tool's internal components. An air line filter removes most of these contaminates and significantly prolongs the life of the tool. If an in-line oiler is not available; place five or six drops of All Power America Air Tool Oil into the tool's air inlet at the beginning of each workday.

This tool is equipped with a ¼" male quick connector. A 3/8" male "quick connector" is available from All Power America and may be used in situations where a ¼" supply line is not available. A 3/8" supply line (and fittings) are required for maximum tool performance. Always connect the tool to the air supply with a coupling that removes all pressure from the tool when the coupling is disconnected.

Compressor w/Nailgun

Finish Nailer (cont'd)

Power Source (cont'd)

WARNING! ALL AIR LINE COMPONENTS (HOSES, CONNECTORS, FILTERS, REGULATORS, ETC.) MUST HAVE A MINIMUM WORKING PRESSURE RATING OF AT LEAST 150 PSI (10.3BAR) OR 150% OF MAXIMUM SYSTEM POTENTIAL, WHICHEVER IS GREATER.

Preparing the tool

1 After reading and understanding this entire manual, connect the tool to the air supply.

WARNING! NEVER POINT THE TOOL AT YOURSELF OR OTHERS IN WORK AREA.

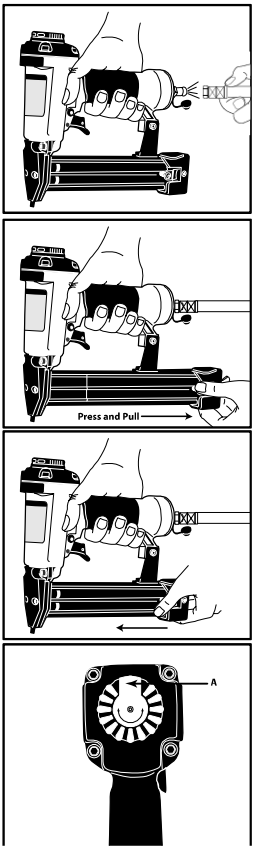
2 Pull the follower all the way to the rear until it latches.

3 Insert a strip of approved fasteners, being sure to orient the fasteners with points down. Slide the fasteners forward to the front of the magazine. The magazine can hold two full strips of fasteners.

CAUTION: FASTENERS MUST POINT IN THE SAME DIRECTION AS THEY WILL BE DRIVEN.

4 Depress the follower release lever, allowing the follower to slide forward against the fasteners.

5 Adjust the directional exhaust deflector so deflect the exhaust air blast away from the operator. The exhaust deflector provides eight detented positions for directing the exhaust blast. Grasp the deflector and rotate it to the desired position for the current application.



Finish Nailer (cont'd)

Triggering options

This tool is shipped from the factory with a "single sequential actuation" trigger. A "contact actuation" trigger is available. The "contact actuation" trigger allows the tool to be fired in either of the two following methods:

Single sequential actuation trigger

This method provides the most accurate fastener placement. To fire:

1. Grip the tool firmly to maintain control.
2. Position the nose of the tool against the work surface.
3. Depress the safety
4. Squeeze the trigger to fire a fastener.
5. Allow the tool to recoil away from the work surface as the fastener is driven.

Contact actuation trigger

This method allows very fast repetitive fastener placement. To fire:

1. Grip the tool firmly to maintain control.
2. Squeeze and hold the trigger.
3. Push the tool firmly against the work surface.
4. Allow the tool to recoil away from the work surface as fastener is driven.
5. If the safety element is allowed to recontact the work surface before the trigger is released, an unwanted fastener will be fired. The tool will fire a fastener each time the safety is depressed.

Finish Nailer (cont'd)

Depth Adjustment

The depth adjustment knob controls the depth to which fasteners are driven and is preset to a nominal setting. To adjust this setting:

1 Test fire a fastener and check depth.

2 If desired, adjust the depth by rotating the adjustment knob. This knob has detents every ¼ turn.

3 Rotate the knob clockwise to increase the driving depth

4 Rotate the knob counterclockwise to decrease the driving depth.

5 Test fire another fastener and check depth.

6 Repeat steps 2-6 as necessary to achieve desired results.

The amount of air pressure required varies depending on the depth setting. Determine the lowest setting that will consistently perform the job at hand. Air pressure in excess of that required can cause premature wear and/or damage to the tool.

A rubber nose cushion is provided to reduce marring of the work surface. You can remove this cushion to provide increased driving depth for toe-nailing applications.

WARNING! DISCONNECT TOOL FROM AIR SUPPLY BEFORE REMOVING OR REINSTALLING RUBBER CUSHION.

Finish Nailer (cont'd)

Clearing a jammed fastener

WARNING! DISCONNECT TOOL FROM AIR SUPPLY BEFORE CLEARING A JAMMED FASTENER.

1 Disconnect the tool from the air supply.

2 Open magazine and remove any remaining fasteners.

3 Depress the quick release latch lever and hinge the fastener guide plate open.

4 Remove the jammed fastener.

5 Close the fastener guide plate and secure with the quick release latch.

Finish Nailer (cont'd)

Maintenance

Air tools require lubrication throughout their life. The air motor and bearing use compressed air as a means to power the tool. Because moisture in compressed air will rust the air motor, you must lubricate the motor daily. An inline oiler is recommended.

To lubricate the air motor manually:

1 Disconnect the tool from the air supply holding it so the air inlet faces up.

2 Depress the trigger and place one to two drops of air tool oil in the air inlet. Depressing the trigger helps circulate oil in the motor. Use SAE #10 weight oil if air tool oil is not available.

WARNING! KEEP OUT OF REACH OF CHILDREN. IF TAKEN INTERNALLY, DO NOT INDUCE VOMITING, CALL A DOCTOR IMMEDIATELY OR CONTACT YOUR LOCAL POISON CONTROL CENTER.

3 Connect the tool to an air source, cover the exhaust end with a towel and run for a few seconds.

WARNING! ANY EXCESS OIL IN THE MOTOR IS IMMEDIATELY EXPELLED FROM THE EXHAUST PORT. ALWAYS DIRECT EXHAUST PORT AWAY FROM PEOPLE OR OBJECTS.

CAUTION: FAILURE TO LUBRICATE THE TOOL AT THE AIR INLET WILL VOID YOUR WARRANTY.

Troubleshooting

Note: Troubleshooting problems may have similar causes and solutions.

Motor does not start

- Fuse blown or circuit breaker tripped
  - Check for cause of blown fuse/breaker and replace or reset.
- Loose electrical connections
  - Check wiring connections.
- Overheated motor
  - Press the reset button or wait for automatic reset.

Low Pressure

- Air leak in safety valve.
  - Check valve manually by pulling upwards on rings. If condition persists, replace valve.
- Restricted air filter
  - Clean or replace as necessary.
- Defective check valve
  - Replace check valve.

Safety valve releasing

- Defective pressure switch or improper adjustment
  - Check for proper adjustment and if problem persists, replace pressure switch.

Troubleshooting (cont'd)

Oil discharge in air

- Improper oil viscosity
  - Replace with SAE30 or SAE20 weight non-detergent oil.
- Too much oil in crankcase
  - Drain crankcase and fill to proper level.

Compressor overheated

Air pressure regulated too high.

Restricted air filter

Air leak near top of tool or in trigger area

- Loose screws.
  - Tighten screws.
- Worn or damaged o-rings or seals.
  - Install Overhaul Kit.

Tool does nothing or operates sluggishly

- Inadequate air supply.
  - Verify adequate air supply.
- Inadequate lubrication.
  - Put 5 or 6 drops of oil into air inlet.
- Worn or damaged o-rings or seal
- Install Overhaul Kit.

Air leak near bottom of tool

- Loose screws.
  - Tighten screws.
- Worn or damaged o-rings or bumper.
  - Install Overhaul Kit.

Troubleshooting (cont’d)

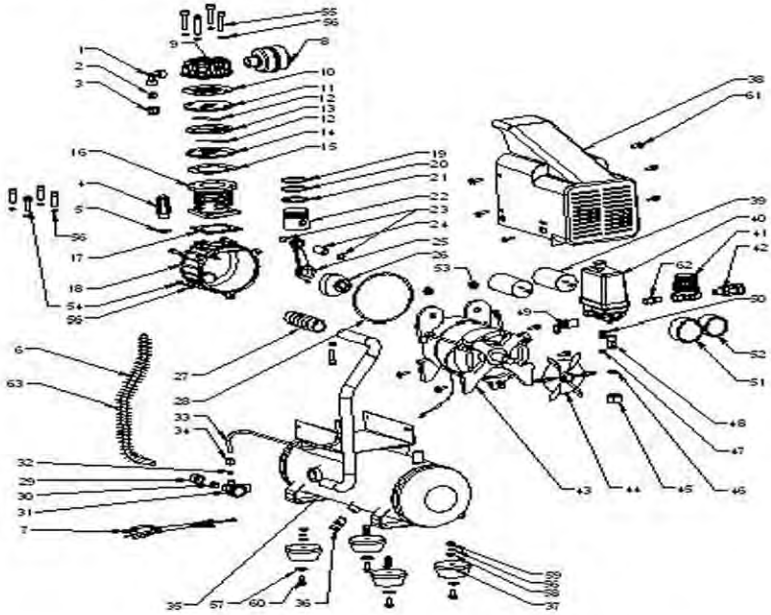
Tool jams frequently.

- Incorrect fasteners.
  - Verify that you are using approved fasteners of correct size.
- Damaged fasteners.
  - Replace w/undamaged fasteners.
- Magazine or nose screws loose.
  - Tighten screws.
- Magazine is dirty.
  - Clean magazine.
- Driver is worn or damaged
  - Install Driver Maintenance Kit.

Service

Should you have any questions about your tool, feel free to write us at any time. In any communications, please give all information shown o the nameplate of your tool (model number, type, serial number, etc.)

General Parts Listing



01	Eblow	22	Piston	43	Motor
02	Pipe lock	23	Cirdip	44	Fan
03	Nut	24	Piston pin	45	Nut
04	Oil plug	25	Connecting rod	46	Washer
05	"O" spring	26	Crankcase	47	Lock
06	Exhausting pipe	27	Handle cover	48	Switch connector
07	Electrical wire	28	Gasket	49	Safety valve
08	Air filter	29	Nut	50	Locking nut
09	Cylinder cover	30	Lock	51	Pressure gauge
10	Cylinder head gasket	31	Valve	52	Pressure gauge
11	Valve plate	32	Lock	53	Nut
12	Valve	33	Unloading pipe	54	Bolt M6×20
13	Valve gasket	34	Locking nut	55	Bolt M6×30
14	Valve base plate	35	Air tank	56	Spring Washer
15	Upper cylinder gasket	36	Moisture release valve	57	Washer 6×20
16	Cylinder	37	Cushion foot	58	Washer 6×12
17	Bottom cylinder gasket	38	Cover	59	Nut M6
18	Front cover	39	Capacitor	60	Bolt M6×20
19	Piston ring	40	Pressure switch	61	Bolt M5×15
20	Piston ring	41	Regulator	62	Connector
21	Piston oil ring	42	Quick connector	63	Heat protection pipe

Compressor w/Nailgun

LIMITED WARRANTY

All-Power America warrants to the original purchaser who uses the product in a consumer application (personal, residential or household usage) that all products covered under this Warranty are free from defects in material and workmanship for one year from the date of purchase. All products covered by this limited Warranty which are used in commercial applications (i.e. income producing) are warranted to be free of defects in material and workmanship for 90 days from the date of original purchase. Products covered under this Warranty include air compressors, air tools, service parts, pressure washers and generators. All-Power America will repair or replace at All-Power America's sole option, products or components which have failed within the warranty period. Service will be scheduled according to the normal work flow and business hours at the service center location, and the availability of replacement parts. All decisions of All- Power America with regard to this limited warranty shall be final. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RESPONSIBILITY OF ORIGINAL PURCHASER (Initial User):
To process a warranty claim on this product, DO NOT return item to the retailer. The product must be evaluated by an Authorized Warranty Service Center. For the location of the nearest Authorized Warranty Service Center contact the retailer or place of purchase.
Retain original cash register sales receipt as proof of purchase for warranty work.
Use reasonable care in the operation and maintenance of the product as described in the Owner's Manual(s).
Deliver or ship the product to the nearest Authorized Warranty Service Center. Freight costs, if any, must be paid by the purchaser.
Air compressors with 60 and 80 gallon tanks will be inspected at the site of installation. Contact the nearest Authorized Warranty Service Center that provides on-site service calls for service call arrangements.
If the purchaser does not receive satisfactory results from the Authorized Warranty Service Center, the purchaser should contact All-Power America.

LIMITED WARRANTY (cont'd)

THIS WARRANTY DOES NOT COVER:
Merchandise sold as reconditioned, used as rental equipment, or floor or display models.
Merchandise that has become damaged or inoperative because of ordinary wear, misuse, cold, heat, rain, excessive humidity, freeze damage, use of improper chemicals, negligence, accident, failure to operate the product in accordance with the instructions provided in the Owner's Manual(s) supplied with the product, improper maintenance, the use of accessories or attachments not recommended by All-Power America, or unauthorized repair or alterations.
Repair and transportation costs of merchandise determined not to be defective.
Costs associated with assembly, required oil, adjustments or other installation and start-up costs.
Expendable parts or accessories supplied with the product which are expected to become inoperative or unusable after a reasonable period of use.
Merchandise sold by All-Power America which has been manufactured by and identified as the product of another company, such as gasoline engines. The product manufacturer's Warranty, if any, will apply.
ANY INCIDENTAL, INDIRECT OR CONSEQUENTIAL LOSS, DAMAGE, OR EXPENSE THAT MAY RESULT FROM ANY DEFECTS, FAILURE OR MALFUNCTION OF THE PRODUCT IS NOT COVERED BY THIS WARRANTY. Some states do not allow the exclusion, so it may not apply to you.
IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR FROM THE DATE OF ORIGINAL PURCHASE. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply.

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