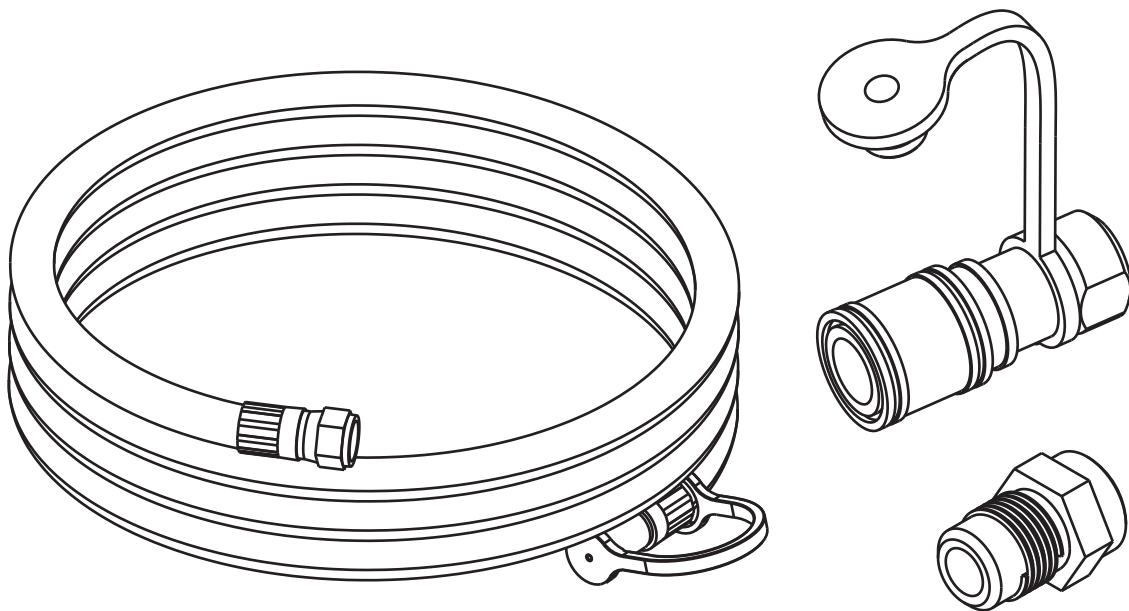




1/2" Natural Gas (NG) Quick Connect Hose Kit (20 FT) Owner's Manual



Model: _____

Serial: _____

Date Purchased: _____

Model# H1002 REV00

P/N: 32082-00000-00

SAVE THIS MANUAL FOR FUTURE REFERENCE

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INTRODUCTION

Read This Manual Thoroughly

WARNING



Read and understand manual completely before using product. Failure to completely understand manual and product could result in death or serious injury.

If any section of this manual is not understood, contact customer Service at 855-888-3598, or www.a-ipower.com for starting, operating and servicing procedures. The owner is responsible for proper maintenance and safe use of the unit. SAVE THESE INSTRUCTIONS for future reference. This manual contains important instructions that must be followed during placement, operation and maintenance of the unit and its components. Always supply this manual to any individual that will use this unit.

The information in this manual is accurate based on products produced at the time of publication. The manufacturer reserves the right to make technical updates, corrections and product revisions at any time without notice.

WARNING

Operating, servicing, and maintaining this equipment can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, and wear gloves or wash your hands frequently when servicing this equipment. For more information go to www.P65warnings.ca.gov.

SAFETY

The words DANGER, WARNING, CAUTION, and NOTICE are used throughout this manual to highlight important information. Make sure that the meanings of this safety information is known to all who operate, perform maintenance on, or are near the generator.



This safety alert symbol appears with most safety statements. It means attention, become alert, your safety is involved! Please read and abide by the message that follows the safety alerts symbol.

The manufacturer cannot possibly anticipate every possible circumstance that might involve a hazard. The warnings in this manual and the tags and decals affixed to the unit are therefore not all-inclusive. If you use a procedure, work method or operating technique that the manufacturer does not specifically recommend you must satisfy yourself that it is safe for you and others. You must also make sure that the procedure work method or operating technique that you choose does not render the generator unsafe.

Definitions And Symbols

DANGER

Indicates a hazard which, if not avoided, will result in death or serious injury.

WARNING

Indicates a hazard which, if not avoided, could result in death or serious injury.

CAUTION

Indicates a hazard which, if not avoided, could result in minor or moderate injury.

NOTICE

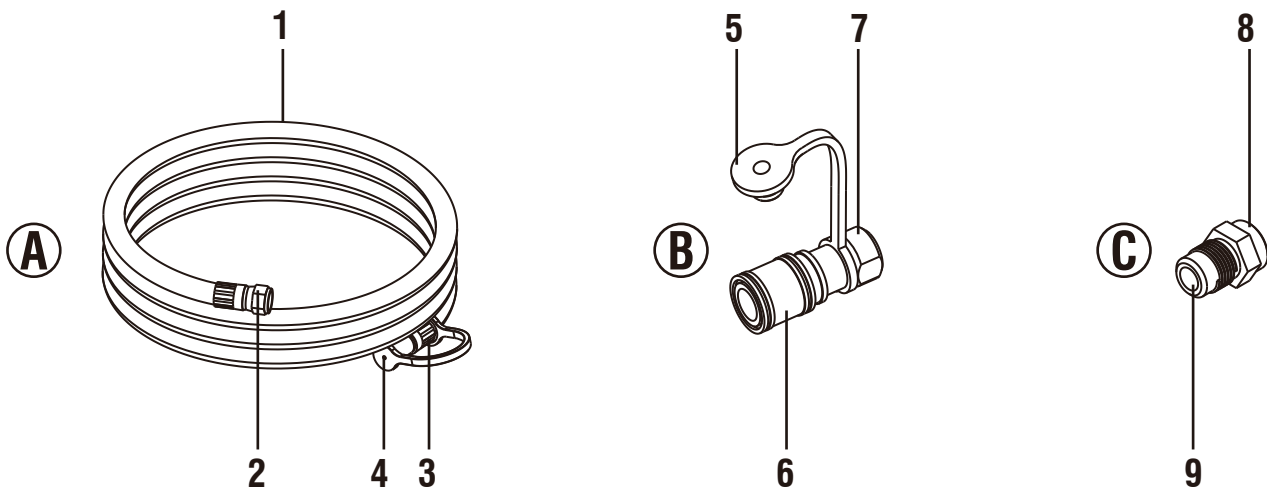
Indicates information considered important, but not hazard-related (e.g., messages relating to property damage).

SAFETY

WARNING

1. To reduce the risk of injury, user must read and understand the operator's manual for their Natural Gas (NG) generator and this manual. Ensure compatibility and fit before using any accessory. Do not use an accessory if a port is damaged or missing. If you are not comfortable performing any of the functions described in this manual, take your unit to an authorized service center.
2. This product is intended only for use outdoors with portable Natural Gas (NG) generator that may be moved for convenience of operation. Connected hose assembly shall be of adequate length and capacity for the intended application.
3. Connection to outdoor gas piping must be done by a certified plumber.
4. Installation must be made in accordance with any local codes or regulations, or in the absence of local codes or regulations, in accordance with the National Fuel Gas Code (NFPA 54/ANSI Z223.1).
5. The hose and fittings should be visually inspected periodically to determine that they have not been damaged and are suitable for continued use.
6. The hose and fittings are designed for movement after installation, but must not be kinked, twisted or torqued.
7. Protect hose and fittings from dust, dirt, and damage when not in use. Insert plastic plug in the socket and the cap over the hose end plug whenever the hose is removed from socket.
8. Only use the provided quick connect adapter with provided hose assembly.
9. If your home has no outside Natural Gas (NG) piping, a connection must be installed by a certified plumber in accordance with any local codes or regulations, or in the absence of local codes or regulations, in accordance with the National Fuel Gas Code.
10. Remember that whichever fuel delivery system or type of vapor fuel used, the fuel pressure at the demand regulator installed on the engine generator must be between 0.25 and 0.40 PSI. (7-11 inches of water column or 4 and 6 oz. of water column). Any lower pressure and the unit will starve for fuel under load. If the hose and quick connect adapter are properly connected and still not getting gas, delivery pressure needs to be verified. For pressure greater than 0.5 PSI, make sure that an in-line regulator is present. This additional regulator is NOT provided with this kit. Another concern would be rating of hose and quick connect adapter. Both the hose and the quick connect adapter are only rated to 0.5 PSI.
11. The hose assembly, fittings, valves and adapters must be inspected and tested (leak test) before each use for leaks or sign of damages.

PARTS INCLUDED IN THIS KIT



① 20FT Natural Gas (NG) Hose with Brass Fittings

② Quick Connect Adapter

③ 3/8" to 1/2" Adapter

1 - 20 FT Hose

2- 1/2" Flare Female

3 - Quick Connect Male (Plug)

4 - Cap

5 - Cap

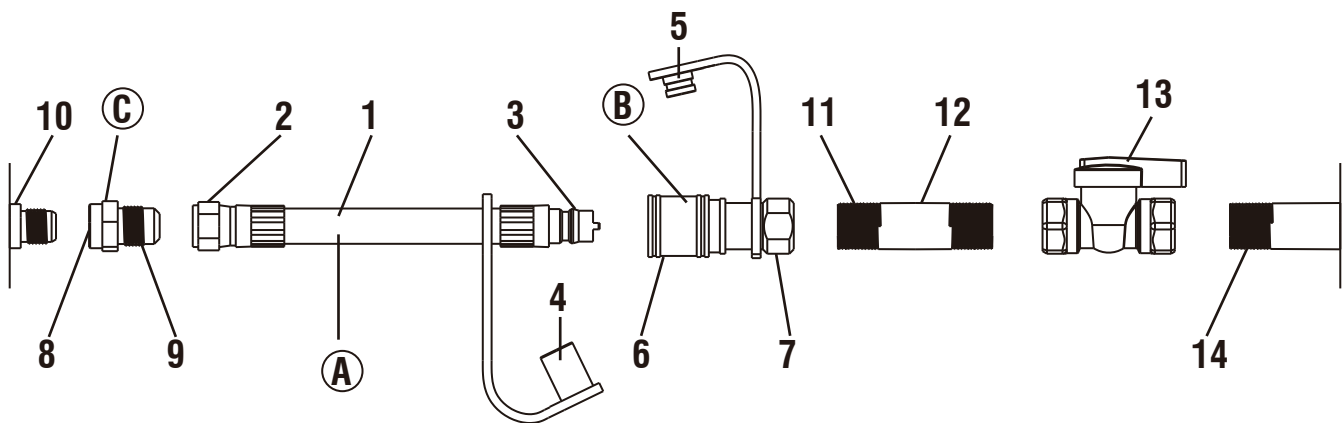
6 - Quick Connect Female (Socket)

7 - 1/2" NPT Female

8 - SAE 3/8" Flare Female

9 - SAE 1/2" Flare Male

HOW TO CONNECT NG GENERATOR TO NG SOURCE



1 - 20 FT Hose

2 - 1/2" Flare Female

3 - Quick Connect Male (Plug)

4 - Cap

5 - Cap

6 - Quick Connect Female (Socket)

7 - 1/2" NPT Female

8 - SAE 3/8" Flare Female

9 - SAE 1/2" Flare Male

**10 - 3/8" Flare Male Located on
Generator (LPG/NG Inlet)**

11 - 1/2" NPT Male

12 - Pipe Nipple

13 - NG Shut Off Valve

14 - House NG Piping

OPERATING INSTRUCTIONS

Natural Gas (NG) is highly flammable and explosive. Fire or explosion can cause severe burns or death or property damage.

DO NOT use open flame to test for gas leaks.

DO NOT perform leak test near any potential source of ignition.

DO NOT smoke while performing leak test.

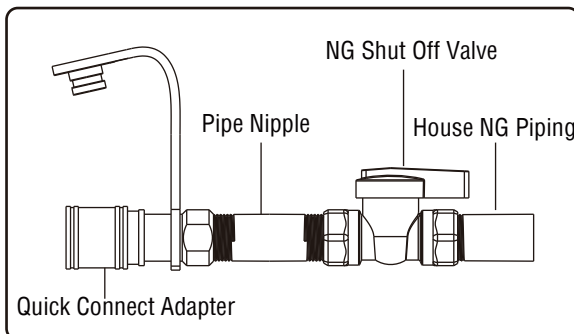
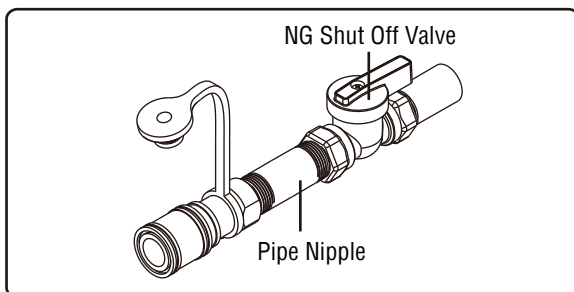
⚠ WARNING



The male outlet of the house piping must be 1/2" NPT Male. If not, additional fittings will be needed to complete the installation. The additional fittings are not included.

Follow below instruction for leak test:

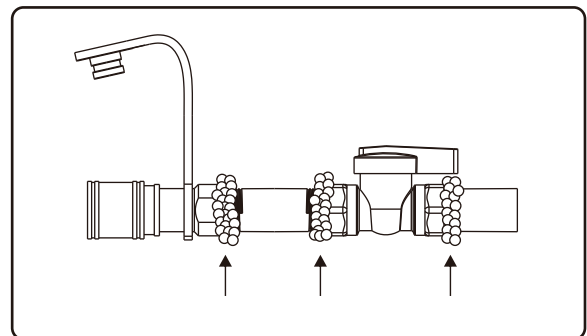
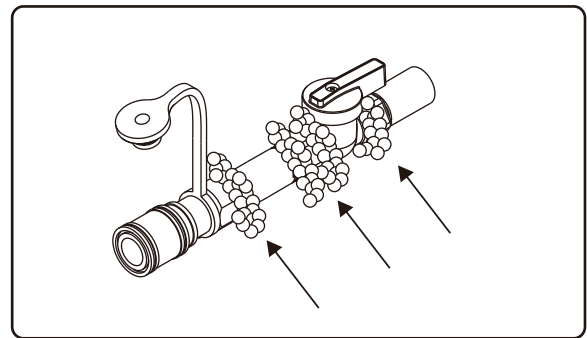
1. Connect the Quick Connect Adapter (Adapter) to House Natural Gas (NG) Piping. Make sure there is NG Shut Off Valve (Valve) is present. Make sure the Quick Connect Hose Assembly (Hose) is NOT connected to the Adapter before proceeding.



⚠ CAUTION

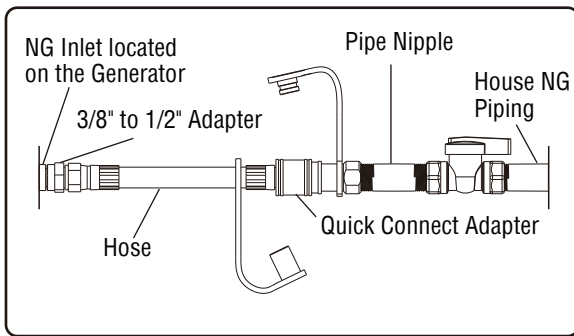
The thread size and type of the fittings and connections should be compatible with each other. Note that using incompatible fittings will alter the gas flow, which may be a safety concern. Use gas resistant pipe sealant (dope) and gas PTFE thread seal tape for sealing.

2. Turn on gas supply.
3. Check all the connections and joints with ammonia free soapy water solution or leak detection solution. Bubbles that appear to grow in size are the indication of a gas leak.



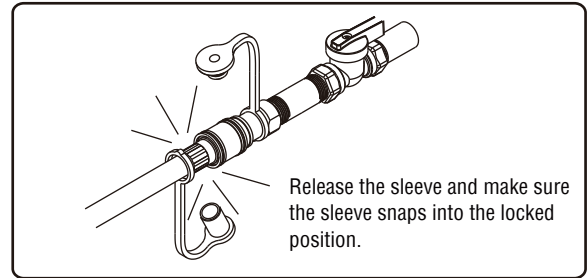
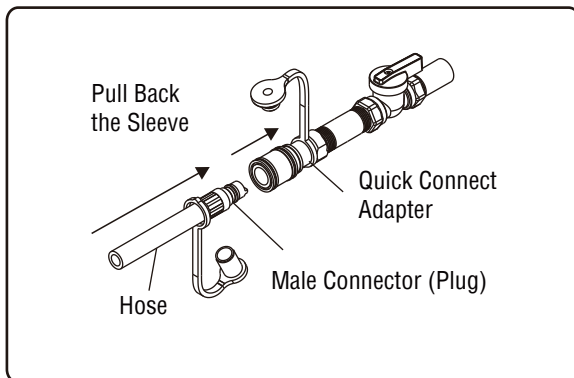
4. If there is a leak, turn off the gas and then tighten fittings until bubbles do not appear at the joints. Use gas resistant pipe sealant (dope) and gas PTFE thread seal tape if it is needed. If you cannot stop the gas leak, turn off the gas supply and have a qualified gas service technician perform a repair. **DO NOT** attempt to use the Hose until all gas leaks have been repaired.
5. Connect the 3/8" to 1/2" Adapter to Generator, then connect the Hose to both Generator and Quick Connect Adapter. Make sure the Generator is turned OFF before connecting the Hose to the Generator.

OPERATING INSTRUCTIONS

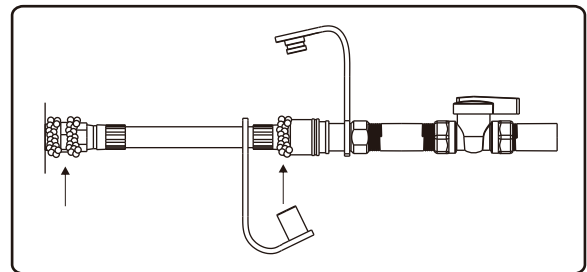


CAUTION

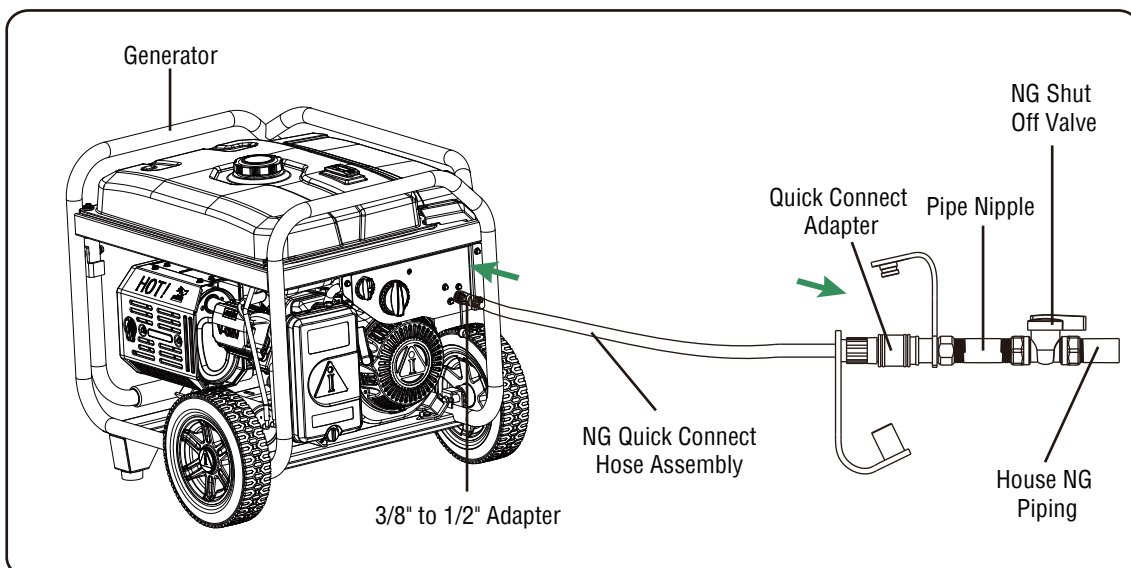
To connect the Hose to the Quick Connect Adapter, pull back on the sleeve portion of the Adapter and insert the male connector of the Hose into the socket (female) part of the Adapter. Release the sleeve and continue pushing the Hose into the socket until the sleeve snaps into the locked position. Connect other side of the Hose to the NG inlet connector located on the Generator.



6. Turn on gas supply.
7. Check all the connections and joints with ammonia free soapy water solution or leak detection solution. Bubbles that appear to grow in size are the indication of a gas leak.



8. If there is a leak, turn off the gas and then tighten fittings until bubble do not appear at the joints. Use gas PTFE thread seal tape for sealing, if it is needed. If you cannot stop the gas leak, turn off the gas supply and have a qualified gas service technician perform a repair. **DO NOT** attempt to use the kit until all gas leaks have been repaired.
9. Rinse off the leak test solution with clean water after performing the leak test.





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