Parts List



Push Button Spark Ignition System Assembly Instructions

Thank You For your Purchase from Starfire Direct! Before you start assembly on your new product, please check to make sure you have all the components necessary to complete this assembly.

Included Parts

- 1. Grounding Rod
- 2. Ignitor Hex Nuts
- 3. Spark Ignitor
- 4. Ground Wire (36" long)
- 5. Push Button
- 6. Module Nut
- 7. Spark Module
- 8. 3" Valve Key

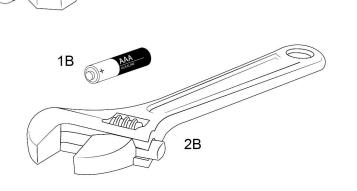
- 9. Valve Flange
- 10. 1/2" Gas Valve
- 11. Valve & Ignitor Mounting Plate
- **Tools Required** (Not Included)
- 1B. (1) AAA Alkaline Battery
- 2B. (2) Adjustable Wrench (small preferred)

This kit contains items that have been tested & certified to CE and CSA standards.



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- · Improper installation or alterations not specified in these instructions can cause injury or property damage. Read instructions CAREFULLY before installing or servicing this equipment.
- · Do not cover spark ignitor with fire media such as fire glass or logs. This may interefere with the spark ignitor's performance.
- · To avoid serious injury, gas sources must be shut off prior to installation.
- · It is always recommended that a licensed professional be the one to install ANY parts or products.
- · If burner fails to ignite, turn off and wait until gas has dissipated completely before trying again.
- · For outdoor use only.

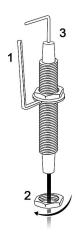


11

STEP 1.

• Unscrew and remove the bottom ignitor hex nut (2).

Note: Adjust the top hex nut (2) and grounding rod (1) so they rest in the middle of the spark ignitor (3).



STEP 2.

- Feed spark ignitor wire (3) through the designated hole in the fire pit pan. You may need to drill through your fire pit pan.
- Adjust position so grounding rod (1) and spark ignitor (3) tips are 1/4 inch apart.
- Slide spark ignitor wire (3)
 through bottom ignitor hex nut
 (2). Using a wrench (2B), hold
 the top ignitor hex nut (2) in
 place while using a second
 wrench to tighten the bottom ignitor
 hex nut (2).
- Secure grounding wire (4) to any metal part of the burner pan to complete the electric flow.

2 4

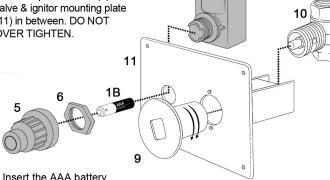
ignitor mounting plate hole (11). Thread the module nut (6) back onto the spark module (7) with the valve & ignitor mounting plate (11) in between. DO NOT OVER TIGHTEN.

Unscrew push button (5) from the spark module (7).

• Unscrew the module nut (6) from the spark module (7). Insert

threaded end of spark module port through smaller valve &

STEP 3.

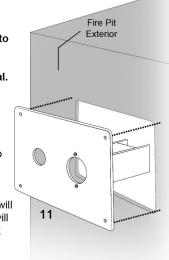


- Insert the AAA battery (1B) and install push button (5) back on and tighten firmly together.
- Place 1/2" gas valve (10) into the cradle that is attached to the back of the valve face plate with mounting harness (11).
- Insert valve flange (9) through the larger hole of the valve & ignitor mounting plate (11). Twist the valve flange (9) until it is fastened with the 1/2" gas valve (10).

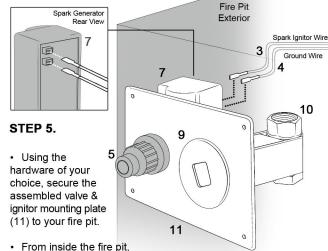
STEP 4.

Note: Before making permanent changes to your fire feature, it is recommended to consult a proffesional.

When determining where the valve & ignitor mounting plate (11) will be installed, measure the distance to make sure that all wires will reach with slack, preferably no longer then 35.5" away. This will ensure that the wires will not pull out of the spark module (7).



• If using the pre-drilled mounting holes, cut a 4 3/4" x 3 1/4" opening. This should leave a large enough ledge to bolt the valve & ignitor mounting plate (11) to the fire pit.



- From inside the fire pit,
 connect the spark ignitor wire (3)
 and the ground wire (4) to the back of the
 spark module (7). Both ports will receive either wire.
- Connect gas hoses to the rear of the gas valve (10) securely. Placing the 3" valve key (8) into the valve flange (9) hole, turn 3" valve key (8) and press the push button (5) to release gas and ignite your fire!

TROUBLESHOOTING

Your Ignition System

- The spark ignitor (3) and grounding rod (1) *must* be spaced ¼ inch apart from each other. A spark will not occur if they are too close or too far apart.
- Be sure the spark ignitor wire (3) and ground wire (4) are securely pushed into the spark module (7) body.
- Make sure your AAA battery is installed properly and has a full charge.

Do You Still Have QUESTIONS?

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