

# Installation Instructions

MARS No. 68040

## MARS Universal Hot Surface Igniter



### WARNING!

We strongly recommend that the installation is carried out by a qualified gas appliance service provider. Follow the recommended installation instructions carefully. Failure to do so will void the warranty and may lead to injury or property damage. **Shock Hazard:** Always turn off electric power before working on any appliance. Ensure proper connection to all wires. **Explosion Hazard:** Shut off gas to appliance before installation begins, and do not reconnect until installation is complete. **Fire Hazard:** Ensure that components do not come into direct contact with water. Ensure that wiring is routed securely, and away from any flame.

### Igniter Specifications:

Time to 1200°C	< 6 seconds @ 120 volt
Cold Resistance	8-15 ohms @25°C
Operating Voltage	120 volts +10% - 15%
Power Rating	100 - 160 watts

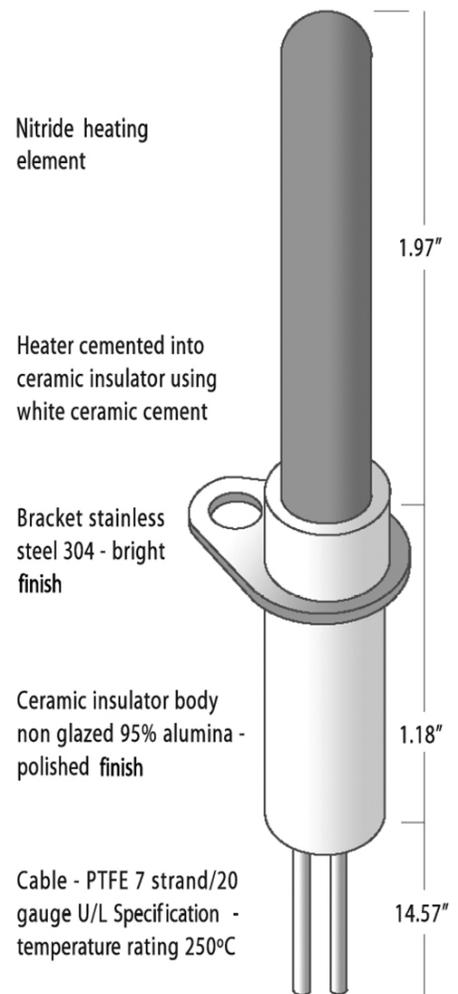
### Installation Instructions

Please read all these instructions to the end carefully before beginning installation.

1. Turn off the gas and electrical supply and then identify which type of igniter is inside your appliance.
2. Unplug your existing igniter retaining all fittings, and match it up with the diagrams.
3. Compare the position of the alignment tag on your existing igniter carefully to the top view diagrams. Ensure that you have the correct igniter type.
4. Referring to the diagram, break off the tabs indicated, preferably with thin nose pliers.
5. Cut off the connector from your old igniter, as close to the base as possible. Strip the wires.
6. Fit the universal adaptor bracket to the appliance using existing screws. Screw the igniter into adaptor, using the screw provided.
7. Attach the wires from the appliance onto the igniter, by twisting the stripped ends together, matching one wire from the igniter to one wire from the appliance.
8. Take the wire nuts provided and screw down tight over the joined stripped wires, ensuring that no wires are showing.
9. Check installation is secure and safe, routing leads away from the burner.

(continued on back)

### Igniter Dimensions

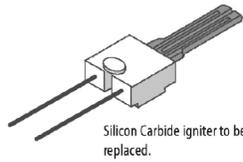


# Installation Instructions MARS No. 68040 MARS Universal Hot Surface Igniter

(continued from front)

## Igniter Assembly 1

Ensure that you have this igniter base.

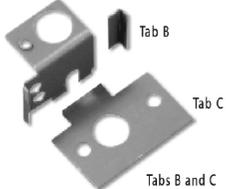


Silicon Carbide igniter to be replaced.

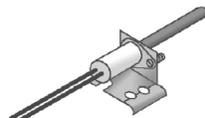
Original Silicon Carbide igniter viewed from the top. Note the position of the alignment tab bottom left.



The universal bracket should look like this.



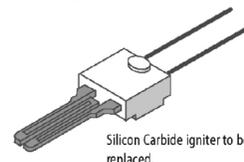
Tabs B and C removed from the universal bracket.



Completed assembly of Nitride replacement kit should look like this.

## Igniter Assembly 2

Ensure that you have this igniter Base.

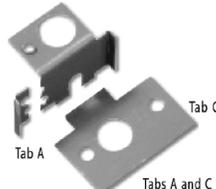


Silicon Carbide igniter to be replaced.

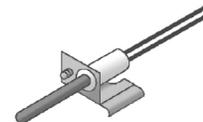
Original Silicon Carbide igniter viewed from the top. Note the position of the alignment tab bottom right.



The universal bracket should look like this.



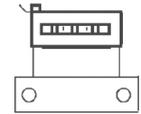
Tabs A and C removed from the universal bracket.



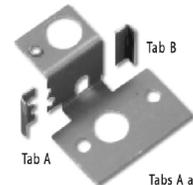
Completed assembly of Nitride replacement kit should look like this.

## Igniter Assembly 3

Ensure that you have this igniter Base.



Original Silicon Carbide igniter viewed from the top. Note the position of the alignment tab top left.

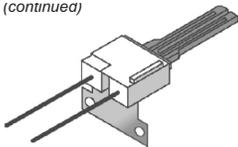


Tabs A and B removed from the universal bracket.

(continued)

## Igniter Assembly 3

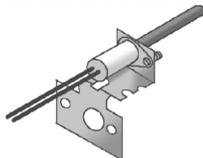
(continued)



Silicon Carbide igniter to be replaced.



The universal bracket should look like this.



Completed assembly of Nitride replacement kit should look like this.

## Igniter Assembly 4

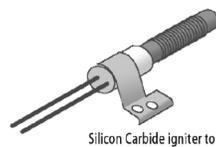
Ensure that you have this igniter Base.



Original Silicon Carbide igniter viewed from the top.



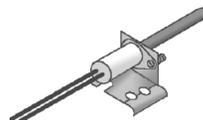
Tabs B and C removed from the universal bracket.



Silicon Carbide igniter to be replaced.



The universal bracket should look like this.



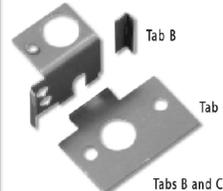
Completed assembly of Nitride replacement kit should look like this.

## Igniter Assembly 5

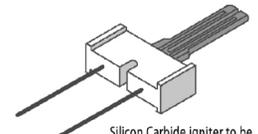
Ensure that you have this igniter base. (See note on Assembly 6)



Original Silicon Carbide igniter viewed from the top.



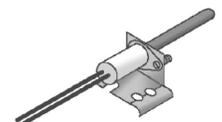
Tabs B and C removed from the universal bracket.



Silicon Carbide igniter to be replaced.



The universal bracket should look like this.



Completed assembly of Nitride replacement kit should look like this.

## Igniter Assembly 6

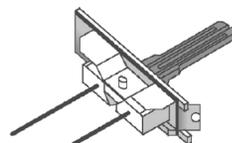
Ensure that you have this igniter base.



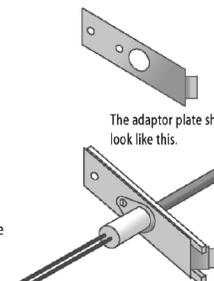
Original Silicon Carbide igniter viewed from the top.



Adaptor plate  
† Depending on igniter type, some 5 and 6 assemblies might: 1) be assembled using either bracket 5 or plate 6, or 2) require combining with some original fittings.



Silicon Carbide igniter to be replaced.



The adaptor plate should look like this.

Completed assembly of Nitride replacement kit should look like this.