

Spark Plug Flame Sensor Retro Fit Replacement Steps

1. Make sure the gas hose is not connected & the unit is unplugged from a power source before beginning the next steps.

2. Remove the bottom cover by removing the 4 support screws.

Carefully cut the zip tie at the wire bundle with the sleeve, the set of wires nearest the motor assembly/fan side of the unit

(Will not have the space to extract the motor until doing this step).

3. Remove the 6 screws that mount the motor assembly into the unit.

(There are two at the top, two on the left & two on the right.)

4. Use a 13/16 socket or wrench with a long enough extension to reach inside the barrel of the heater from the motor end to loosen the nut on the spark plug.

Once loosened, the spark plug is to be removed from the unit along with the red ignitor wire that was connected to it.

Remove this wire from the control board also, it will be replaced with the new wire in the retrofit kit.

5. Once the spark plug has been completely removed, place a new ignitor into the same hole & use the self-tapping screw

(#10 included in the kit) to mount it through the bracket hole & the heat shield as shown.

(See picture in overview)



6. Swap the red ignitor wire with the wire provided in the replacement kit.

Plug the new wire into the control board & route it through the same hole the original wire was routed through.



7. Remount the motor/ bottom plate & replace the zip tie.

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