



Ignition Issues (F09) with AdvantagePlus

Rheem has received reports of customers experiencing difficulty in getting proper ignition on AdvantagePlus units out of the box. This issue is often accompanied by an F09 fault showing on the controls. See below for troubleshooting.

The igniter that is present in the unit as it ships is a natural gas igniter. We have found that replacing with the LP Conversion Kit igniter will often address the issue. The replacement parts are contained in a special conversion kit sent with each water heater.

Natural Gas Igniter



LP Igniter



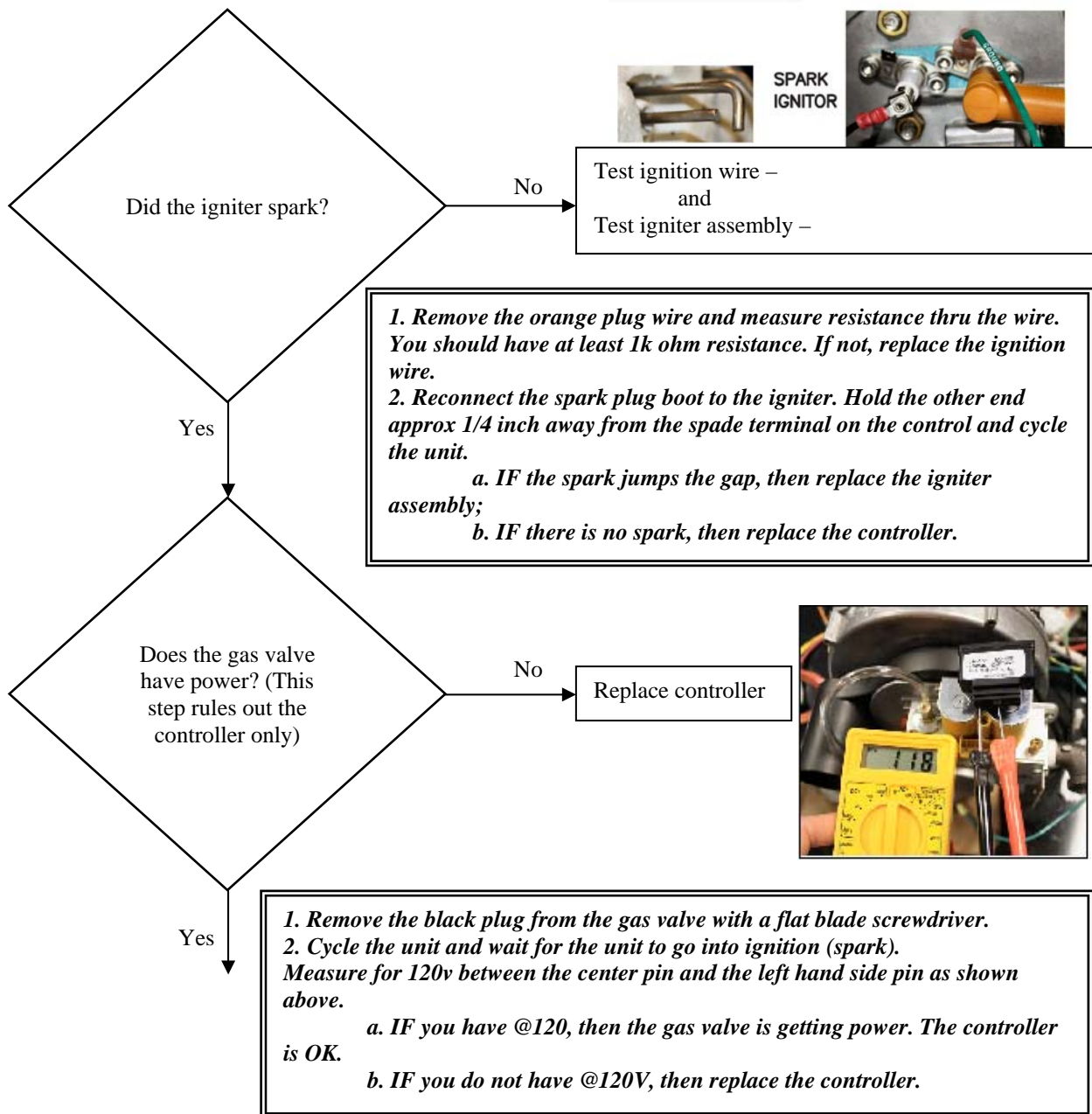
F09 Error - Ignition Error; No Flame Detected; Max Ignition Attempts

This lockout code means maximum ignition attempts. The unit has cycled for main burner three times without flame rectification. The operative term here is flame rectification. Remember, the control checks many things such as the blower, venting, gas valve, ECO, etc, that would produce their unique error codes. Things to check:

- Does the unit have fuel?
- Is the fuel isolation valve ON?
- Is the orange igniter wire connected at both ends?
- Is the yellow flame probe wire connected at both ends?
- Is the green ground (rectification circuit) wire solidly connected at both ends?
- Is the gas valve Molex connected to the board?

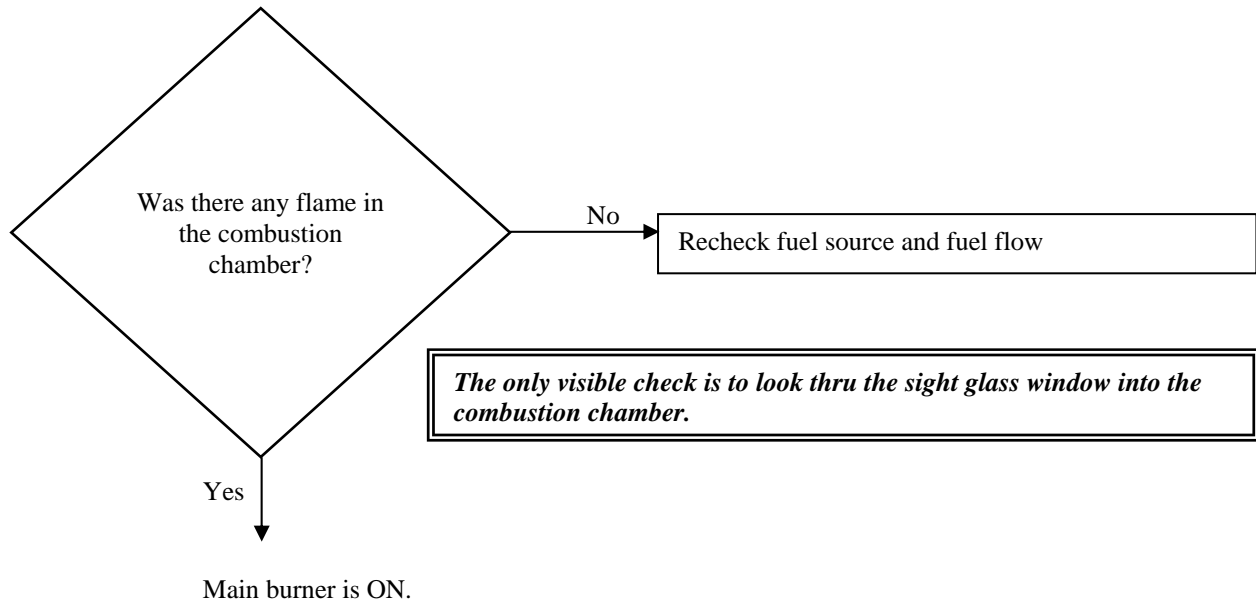


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Rheem recommends that if you replace the igniter that you properly re-set combustion as defined in the use and care manual.