

Technical Service Department

Technical Service Bulletin 1-800-432-8373



FV Sensor SP20172/ Low Resistance

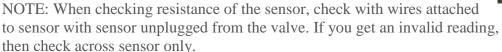
REASON:

The installed FV sensor features a resistance level that is below the minimum set point of the gas valve. This results in valve lock-out that can only be corrected via installation of a sensor with a minimum resistance level above $11k\ \Omega$

SERVICE ACTION REQUIRED:

If given an FV sensor error for any FV sensor (SP20172):

- 1. Using a multimeter to check resistance, remove the sensor from its bracket on the base ring of the water heater and disconnect both wires to the sensor.
- 2. Take a resistance reading between the two wiring terminals of the FV sensor and note the resistance value.
- 3. If the resistance reads under 11k ohms or above 45k ohms, the FV sensor should be considered suspect and replaced.



- If wires and sensor check are valid, then proceed to next steps of troubleshooting. Sensor is not defective.
- If wire harness or sensor checks are invalid, then replace appropriate part.





