

Technical Data Sheet

Troubleshooting the Robert Shaw 7000 Series Gas Valve Sterling BV 8501, Sterling BV IF 8520, and Sterling DV 8530

(For All Sterling Models That Use The Robert Shaw 7000 Valve)

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TOOLS REQUIRED:

Ohmmeter or Multi meter set on ohms setting

NOTE: The following 2 tests will determine if the Robert Shaw valve is functioning properly. Record the data on the troubleshooting check list.

TEST NUMBER ONE:

1. Remove all wires from operating head.
2. Using an Ohmmeter or Multi meter set on ohms, place the black or ground lead from the meter "TP" on the phillips screw head, not on the slotted connector screw head.
3. Place the red lead from the meter to "TH" (room thermostat/on-off) on the soldered wire, not on the slotted connector screw head. The reading should be 1.5-1.7 ohms (+/- 10%) (resistance of millivolt operator).

TEST NUMBER TWO:

1. Place the black or ground lead from the meter to the "TP" on the phillips screw head, not the slotted connector screw head.
2. Place the red wire from the meter to "TP TH" on the soldered wire, not on the slotted connector screw head.
3. The reading should be 9-11 ohms (+/- 10%) (resistance of millivolt safety magnet). If the readings check out, the valve is ok.

Check List For The Robert Shaw 7000 Series Valve

Applies to Sterling Model Numbers: 8501, 8520, & 8530

STOVE MODEL NUMBER: _____

STOVE SERIAL NUMBER: _____

DATE OF PURCHASE: _____

GAS TYPE: NAT _____ LP _____

DESCRIPTION OF PROBLEM: _____

OHMS READING:

TEST NUMBER 1 _____

TEST NUMBER 2 _____

WATER COLUMN READING:

INLET _____

OUTLET _____

SERVICE PROVIDED BY:

COMPANY _____

SERVICE PERSON NAME: _____

PLEASE COMPLETE THIS FORM WHEN RETURNING DEFECTIVE VALVE.