

# FOCUS TROUBLESHOOTING GUIDE

## GAS MODELS

EMIFOCUS INDOOR - FILIOFOCUS CENTRAL - MEIJIFOCUS - PAXFOCUS INDOOR

### **OBSERVED PROBLEM:**

**A.** No transmission (motor does not turn)

### **POSSIBLE CAUSE:**

1. Receiver must learn new code.
2. Dead batteries.
3. The receiver is surrounded by metal, reducing the transmission range.
4. Receiver
5. Remote control
6. Wiring at valve damaged.
7. Bent pins on 8 wire connector.

### **REMEDY:**

1. Reset system.
2. Replace batteries.
3. Change the position of the antenna.
4. Replace receiver and reprogram code as above.
5. Replace the remote control and reprogram code as above.
6. Replace valve.
7. Straighten pins on 8 wire connector.

**B.** No ignition; no tone

1. Dead batteries.
2. Receiver

1. Replace batteries.
2. Replace the remote control and reprogram code as above.

**C.** No ignition; one 5 second continuous tone (7 short beeps might be heard prior to the 5 second tone)

1. Loose wire.
2. Receiver
3. Bent pins on 8 wire connector.
4. Valve

1. Secure wire.
2. Replace receiver and reprogram code as above.
3. Straighten pins on 8 wire connector.
4. Replace valve.

**D.** No pilot flame and control continues to spark

1. Air in the pilot supply line.
2. No spark at pilot burner.
3. Valve

1. Purge the line or start ignition several times.
2. Check spark gap; check wiring connection. Check for spark in location along cable.
3. Replace valve. Do not over tighten the thermocouple.

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<b><u>OBSERVED PROBLEM:</u></b>	<b><u>POSSIBLE CAUSE:</u></b>	<b><u>REMEDY:</u></b>
<b>D.</b> No pilot flame and control continues to spark	4. Over tightened thermocouple.  5. Receiver	4. Replace valve and thermocouple interrupter.  5. Replace receiver and reprogram code as above.
<b>E.</b> Pilot is lit and control continues to spark. Valve shuts off after 10-30 seconds. Valve operates manually.	1. Receiver	1. Replace receiver and reprogram code as above.
<b>F.</b> Pilot is lit and sparking stops. Valve shuts off after 10-60 seconds. Valve does not operate manually.	1. Not enough voltage generated from the thermocouple or too much resistance in the circuit.  2. Thermocouple  3. Low inlet pressure.  4. Valve	1. Use a digital multimeter set in the mV range and measure the voltage between the spade connector closest to the thermocouple (-) and thermocouple tube (+) itself. The reading should be 21-30 mV.  2. Replace thermocouple.  3. Confirm regulator pressure and sizing. Replace if necessary.  4. Replace valve. Do not over-tighten the thermocouple.
<b>G.</b> Three short beeps while the motor turns.	1. Batteries are low.	1. Replace batteries.
<b>H.</b> Pilot flame lights but there is no main gas flow.	1. Manual override knob is in MAN position.  2. Valve turned down to pilot flow.  3. Low inlet pressure.  4. Valve.	1. Turn manual override knob to ON position.  2. Turn flame to high fire by pressing up button on remote control.  3. Confirm regulator pressure, and sizing. Replace valve if necessary.  4. Replace valve.