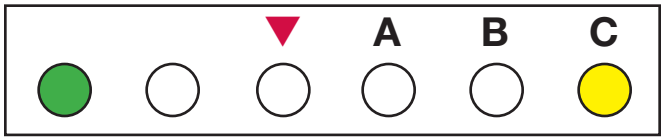
PROUDLY CANADIAN

The water heater switch to lockout mode after a flammable vapor event

⚠ AVERTISSEMENT

**This procedure is intented for qualified service technician ONLY .
It MUST BE executed cautiously by such a technician as a fire or explosion may result causing property damage, personal injury or death.**



The control has detected the presence of flammable vapors near the water heater and has entered into lockout mode.

1. Smell all around the water heater area for gas. Be sure to smell next to the floor because some gases is heavier than air and will settle on the floor.

   IF YOU SMELL GAS:
   - **DO NOT TRY** to light the water heater.
   - **DO NOT TOUCH** any electric switch; **DO NOT USE** any phone in the building.
   - **DO NOT CREATE** static charges while moving.
   - **ADVISE** immediately appopriate services to correct the situation.

2. Even if you do not smell gas, ventilate the area.

3. Inspect the vicinity of the water heater for improper storage of gasoline, solvents, adhesives, paint or any other combustible product that could have produced the incident. Correct the situation and advise homeowner.

4. Check the bottom pan of the water heater for any flammable liquid accumulation.

5. Remove the inner doors and inspect the combustion chamber:
   - Inspect door gasket for any damage.
   - Inspect the flame arrestor plate for signs of warping.
   - Inspect igniter assembly wires for signs of burning or melting.
   - Inspect burner for soot deposit.

6. Inspect blower assembly and vent pipe for any signs of burning, melting or deformation.

giantinc.com 40 Lesage Avenue, Montreal-East (Quebec) Canada H1B 5H3 • **Telephone: (514) 645-8893** Fax: (514) 640--0969

7. Inspect the top fo the water heater, near the flue outlet, for any signs of soot deposit or discoloration.

8. Inspect baffle for signs of over firing and excessive corrosion.

9. If parts have been damaged and they are replaceable, change them. If some parts that have been damaged are irreplaceable, change the water heater.

10. Verify flammable vapor sensor:
    - Remove protective cover and snap-in plug from the water heater outside casing.
    - Disconnect the two terminals from the flammable vapor sensor.
    - Use an Ohmmeter to take a resistanse reading between the two terminals on the sensor.
    - Resistance must be between 7,000 and 25,000 Ohms. If not, replace the sensor.
    - Re-connect the two terminals on the sensor, put the sensor back into place and reinstall the protective cover.

11. If everything is in proper condition and after the hazard has been removed, unlock the gas control by following this procedure:
    1) Turn **OFF** power to the water heater for ten (10) seconds by disconnecting it from the wall outlet.
    2) Restore power to the water heater.
    3) Within ten (10) seconds of restoring power, press the two temperature adjust buttons (“**COOLER**” and “**HOTTER**” arrows) simultaneously until the “**VAC**” LED begins to blink (approx. 5 seconds delay), then release the two bottons.
    4) Again, within ten (10) seconds, press both temperature adjust butttons (“**COOLER**” and “**HOTTER**” arrows) simultaneously until the “**VAC**” LED is **ON** steady (approx. 5 seconds delay), then release the two bottons.
    5) Normal operation is restored.

12. The water heater should light up normally.

13. If the gas control switch to lockout mode again, be sure that any source of flammable vapor has been eliminated.

For additional information, contact the customer service department by e-mail at: service@giantinc.com or by telephone at 1-800-363-9354.

40 Lesage Avenue, Montreal-East (Quebec) Canada H1B 5H3 • **Telephone: (514) 645-8893** Fax: (514) 640--0969