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OPERATION

Compact Stove Controls
A. Main on/off switch
1. The fireplace has a manual power ON/OFF switch located on the lower right side of the stove.
2. To operate, press the switch to turn the unit on or off

B. Low Heat Switch
Press this switch to turn the stove to low heat.

C. High Heat Switch
Press this switch to turn the stove to high heat.

RESETTING THE TEMPERATURE CUTOFF SWITCH
Should the heater overheat, an automatic cut out will turn the heater off and it will not come back on without being reset. It can be reset by switching the MAIN ON/OFF SWITCH to OFF and waiting 5 minutes before switching the unit back on.

CAUTION
If you need to continuously reset the heater, unplug the unit and call Dimplex North America Limited at 1-888-346-7539.
## REPLACEMENT PARTS

### COMPACT STOVE, DIMPLEX

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>REPLACEMENT PART NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>6902340100</td>
<td></td>
</tr>
</tbody>
</table>

### REPLACEMENT PART

1. Log Set Assembly        0477850100RP
2. Flame Motor 120V (three wire) 2000210200RP
   (two wire – no terminal block) 2000500100RP
3. Heater Assembly (comes with cutout) 2200491000RP
4. Main On/Off Switch 2800070700RP
5. Heater Switch 2800070200RP
6. Cord Set 120V (When 4100090103RP is gone use 4100090201RP) 4100090103RP
7. Moulded Lampholder 4200121000RP
8. Flame Rod 5900250100RP
9. Mirror 5900530200RP
10. Foot 0477830159
11. Terminal Block 4000070100RP
12. Capacitor 2300030100RP
If unit was operating prior to servicing allow at least 10 minutes for light bulbs and heating element to cool off to avoid accidental burning of skin.

Disconnect power before attempting any maintenance or cleaning to reduce the risk of electric shock or damage to persons.

Light bulbs need to be replaced when you notice a dark section of the flame. There are four bulbs under the log set which generate the flames and embers.

It is a good idea to replace all of the light bulbs at one time if they are close to the end of their rated life. Group replacement will reduce the number of times you need to open the unit to replace the light bulbs.

**TO REPLACE LIGHT BULBS**

1. Remove the 5 fastening screws from the back access panel and remove the panel.
2. Examine the bulb to determine if replacement is required.
3. Unscrew the bulb counter clockwise.
4. Insert and install the new bulb.
5. Re-secure the access panel to the unit.

**LIGHT BULB REQUIREMENTS**
Quantity of 1 clear chandelier or candelabra bulbs with an E-12 (small) socket base, 60 watt rating.
If unit was operating prior to servicing allow at least 10 minutes for light bulbs and heating element to cool off to avoid accidental burning of skin.

Disconnect power before attempting any maintenance or cleaning to reduce the risk of electric shock or damage to persons.

TO REPLACE LAMPHOLDERS

1. Remove the light access panel from the bottom of the rear panel of the stove.
2. Remove the light bulb from the socket by turning counter clockwise.
3. Turn the stove over onto its top.
   **NOTE:** A protective barrier between the top of the unit and your work surface is suggested, *(i.e. cloth, cardboard, thick plastic)* to avoid scratching the finished surface of the stove.
4. Remove the 5 screws which secure the bottom heater cover to the fireplace: 2 at the front and 3 at the back.
5. Lift the heater assembly and cover off the body of the stove and turn sideways resting it against the legs of the unit, exposing the light harness/socket assembly and terminal block.
6. Cut the plastic wire-ties which secure the wires to the base of the stove.
7. Remove the blue and white wires from the terminal block by loosening the screw in the associated terminal to release each wire, noting their original locations.
8. Remove the screw which secures the lampholder to the base of the fireplace.
9. With a flat head screwdriver, push the lampholder sideways to allow mounting tab to release so that it can be pushed through the opening in the base of the stove.
10. Through the access panel in the back, pull the original lampholder and the wire leads out of the stove.
11. Through the same location feed the new lampholder back into the base of the stove.
12. Secure the socket with the original screw.
13. Insert the wires into the terminal block following the original configuration and tighten the terminal screws to secure the wires into position.
14. Re-assemble the covers and the light bulb in reverse order as described above.
   **NOTE:** When securing the bottom panel to the fireplace, take care that no wires are in the way of the heater fan and are not caught or pinched between the cover and the stove.
If unit was operating prior to servicing allow at least 10 minutes for light bulbs and heating element to cool off to avoid accidental burning of skin.

Disconnect power before attempting any maintenance or cleaning to reduce the risk of electric shock or damage to persons.

**TO REPLACE ON/OFF AND HEATER SWITCHES**

1. Turn the stove over and place it top down.
2. Remove the bottom heater assembly cover being careful not to damage any of the wiring.
3. Remove the 4 heater retaining screws from the bottom of the heater assembly cover and move the heater to gain access to the switch connections.
4. Locate the switch to be replaced mounted on heater assembly cover and disconnect the wiring clips and connections noting their original locations.
5. Depress the retainer clips on the rear of the switch and push the switch out of the rear of the cover.
If unit was operating prior to servicing allow at least 10 minutes for light bulbs and heating element to cool off to avoid accidental burning of skin.

Disconnect power before attempting any maintenance or cleaning to reduce the risk of electric shock or damage to persons.

**TO REPLACE HEATER ASSEMBLY**

1. Turn the stove over and place it top down.
2. Remove the bottom heater assembly cover being careful not to damage any of the wiring.
3. Remove the 4 heater retaining screws from the bottom of the heater assembly cover and move the heater to gain access to the heater connections being careful not to damage any of the wiring.
4. Disconnect the 2 heater switch leads from the heater.
5. Remove the wire nut and disconnect the thermal cut-out wire.
6. Remove the 2 mounting brackets from the bottom of the old heater and install them on the new heater.
7. Reassemble in the reverse order as above.
If unit was operating prior to servicing allow at least 10 minutes for light bulbs and heating element to cool off to avoid accidental burning of skin.

Disconnect power before attempting any maintenance or cleaning to reduce the risk of electric shock or damage to persons.

**TO REPLACE TERMINAL BLOCK**

1. Lay the stove on its back with the front window facing upward.
2. Remove the bottom heater assembly cover being careful not to damage any of the wiring and lay it on the floor.
3. Loosen the connections on the terminal block and remove the wires noting their original locations.
4. Remove the capacitor from the terminal block.
5. Using pliers to hold the nuts on the inside of the stove, remove the terminal block mounting screws.
6. Reassemble in the reverse order as above.
If unit was operating prior to servicing allow at least 10 minutes for light bulbs and heating element to cool off to avoid accidental burning of skin.

Disconnect power before attempting any maintenance or cleaning to reduce the risk of electric shock or damage to persons.

**TO REPLACE FLAME MOTOR/FLAME ROD**

1. Remove the 8 fastening screws on the top panel and remove the top of the stove.
2. Lift glass out and store in a safe place.
3. Remove the log set by sliding to the rear of the stove and lifting out.
4. Remove the reflector rod from the flame motor by pulling the end of the rod to the left and separating it from the rubber sleeve.
5. Remove the rubber sleeve from the motor shaft.
6. Remove the 2 motor mounting screws and remove the flame motor.
7. Discard the old flame motor.
8. Lay the stove on its back with the front window facing upward.
9. Remove the bottom heater assembly cover being careful not to damage any of the wiring and lay it on the floor.
10. A) If the new and old flicker motors have 3 wires: disconnect the wiring connections from the terminal block noting their original locations and install the new motor similarly.

B) If the old flicker motor has 3 wires and the new flicker motor has 2 wires: disconnect the wiring connections and the capacitor, black wire across from the black wire and white wire across from other wire.

C) If the old and new flicker motors both have two wires, cut the wires approximately 1 in (25.4 mm) from the hole that the wires pass to the top of the unit, strip off 1/2 in (12.7 mm) the end of each wire and insert the end of the wire from the flicker motor...
and the wire from the unit (ensure the colours correspond), into the provided connectors and with pliers squeeze to make the connection.

11. Reassemble in the reverse order.
If unit was operating prior to servicing allow at least 10 minutes for light bulbs and heating element to cool off to avoid accidental burning of skin.

Disconnect power before attempting any maintenance or cleaning to reduce the risk of electric shock or damage to persons.

**TO REPLACE THE POWER CORD**

1. Turn the stove over and place it top down.
2. Remove the bottom heater assembly cover being careful not to damage any of the wiring.
3. Remove the 4 heater retaining screws from the bottom of the heater assembly cover and move the heater to gain access to the switch connections.
4. Located and disconnect the power cord wiring connections from the heater and Main on/off switch noting their original locations.
5. With needle nose pliers grasp the power cord strain relief grommet from inside the rear panel and push while twisting to remove.
6. Pull the power cord out through the hole in the rear cover.
7. Install the new cord set through the hole in the rear cover by placing the strain relief over the cord, hold the strain relief with pliers and slide into mounting hole.
8. Connect all of the wiring connections in their original locations.
9. Reassemble in the reverse order as above.
# TROUBLESHOOTING GUIDE

## GENERAL

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<th>Problem</th>
<th>Cause</th>
<th>Solution</th>
<th>Service Manual Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Circuit breaker trips or fuse blows when unit is turned on</td>
<td>Improper circuit current rating</td>
<td>Additional appliances may exceed the current rating of the circuit breaker or fuse. Plug unit into another outlet or install unit on a dedicated 15 amp circuit</td>
<td></td>
</tr>
<tr>
<td>Lights dim in room while the unit is on</td>
<td>Unit is drawing close to circuit current rating</td>
<td>Move the unit to another outlet or install unit on a dedicated 15 amp circuit</td>
<td></td>
</tr>
<tr>
<td>Power cord gets warm</td>
<td>Normal operation</td>
<td>The power cord may get slightly warm to the touch when the heater is on</td>
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<td></td>
<td>Defective power cord</td>
<td>Replace power cord</td>
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## APPEARANCE

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<td>Improper operation</td>
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<td>Replace main on/off switch</td>
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<tr>
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<td>Loose wiring</td>
<td>Check wiring connections</td>
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<tr>
<td>Flame frozen</td>
<td>Defective flame motor</td>
<td>Replace flame motor</td>
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<tr>
<td></td>
<td>Loose wiring</td>
<td>Check wiring connections</td>
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<tr>
<td>Flame not bright or flame not visible</td>
<td>Burnt light bulbs</td>
<td>Replace light bulbs</td>
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<td></td>
<td>Loose wiring</td>
<td>Check wiring connections</td>
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<tr>
<td></td>
<td>Defective light harness</td>
<td>Replace light harness</td>
<td>Page 7</td>
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<tr>
<td>Log set dim, ember bed not glowing</td>
<td>Burnt light bulbs</td>
<td>Replace light bulbs</td>
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<tr>
<td>Flame Shutter</td>
<td>Defective flame motor</td>
<td>Replace flame motor</td>
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## TROUBLESHOOTING GUIDE

### HEATER

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<td>Replace heater on/off switch</td>
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<td></td>
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<tr>
<td></td>
<td>Loose wiring</td>
<td>Trace wiring in unit</td>
<td>Page 5</td>
</tr>
<tr>
<td>Heater emits an odour</td>
<td>Normal operation</td>
<td>Normal operation is when the heater emits an odour for a brief period after the heater is initially turned on. The heater is burning off any dust accumulated during manufacturing or operation.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Defective heater assembly</td>
<td>Replace heater assembly</td>
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<td>Loose wiring</td>
<td>Trace wiring in unit</td>
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<td>Heater fan turns on but heater lacks heat</td>
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<td>Defective heater assembly</td>
<td>Replace heater assembly</td>
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<tr>
<td>Heating element is glowing red</td>
<td>Normal operation</td>
<td>Small glowing sections of the element are considered normal.</td>
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<tr>
<td></td>
<td>Defective heater assembly</td>
<td>If larger glowing sections are causing the heater to trip the thermal cut out, unplug unit, discontinue use and replace heater assembly</td>
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<tr>
<td>Heater fan runs continuously</td>
<td>Loose wiring</td>
<td>Trace wiring in unit</td>
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<tr>
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<td>Defective heater on/off switch</td>
<td>Replace heater on/off switch</td>
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<tr>
<td></td>
<td>Defective heater assembly</td>
<td>Replace heater assembly</td>
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# TROUBLESHOOTING GUIDE

## NOISE

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<th>Cause</th>
<th>Solution</th>
<th>Service Manual Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Excessive noise with the heater on</td>
<td>Dirty blower assembly</td>
<td>Clean blower assembly</td>
<td></td>
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<td>Defective blower assembly</td>
<td>Replace heater assembly</td>
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<td>Grinding or excessive noise with the heater off</td>
<td>Moving flame rod hitting or rubbing against internal components</td>
<td>Flame rod replacement</td>
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<td>Defective flame motor</td>
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