Service Manual

Model Number
DS5629

UL Part Number
6900471359

IMPORTANT SAFETY INFORMATION: Always read this manual first before attempting to service this stove. For your safety, always comply with all warnings and safety instructions contained in this manual to prevent personal injury or property damage.

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Always use a qualified technician or service agency to repair this stove.

**! NOTE:** Procedures and techniques that are considered important enough to emphasize.

**⚠️ CAUTION:** Procedures and techniques which, if not carefully followed, will result in damage to the equipment.

**⚠️ WARNING:** Procedures and techniques which, if not carefully followed, will expose the user to the risk of fire, serious injury, or death.
Remote Control

The stove is supplied with a radio frequency remote control. This remote control has a range of approximately 50 feet (15.25 m), it does not have to be pointed at the stove and can pass through most obstacles (including walls). It is supplied with one of hundreds of independent frequencies to prevent interference with other units.

! NOTE: Before attempting any operation with the remote, pull the plastic insulator strip out from between the remote casing and battery cover (Figure 2).

Remote Operation

The stove is supplied with an integrated on/off remote control.

! NOTE: Ensure that the stove 3-Position Switch is set to the remote control setting.

To operate, push the ON button to turn stove on, push the OFF button to turn the stove off.

Remote Control Initialization/Reprogramming

If the remote control or remote control receiver has been replaced, follow these steps to initialize the remote control and receiver:

1. Set the 3-Position Switch to OFF.
2. Wait a minimum of five (5) seconds and set the 3 Position Switch to the “=” position (Figure 1A).
3. Within 10 seconds of re-acquiring power, press the ON button located on the remote control.

! NOTE: You will have only 10 seconds to perform this last step. Failure to do so will result in these steps needing to be followed again.

This will synchronize the remote control and receiver.

Battery Replacement

To replace the battery:

1. Slide battery cover open on the remote control (Figure 2).
2. Install one (1) 12-Volt (A23) battery in the battery holder.
3. Close the battery cover

Battery must be recycled or disposed of properly. Check with your Local Authority or Retailer for recycling advice in your area.
MAINTENANCE

⚠️ WARNING: Disconnect power before attempting any maintenance or cleaning to reduce the risk of fire, electric shock or damage to persons.

Light Bulb Replacement

Allow at least 5 minutes for light bulbs to cool off before touching bulbs to avoid accidental burning of skin.

Light bulbs need to be replaced when you notice a dark section of the flame or when the clarity and detail of the log exterior disappears. There are two bulbs under the log set which generate the flames and embers.

Tool Requirements

Phillips screw driver

Helpful Hints

It is a good idea to replace all 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 light bulbs.

Upper Light Bulb Requirements

Quantity of 1 clear chandelier or candelabra bulbs with an E-12 (small) socket base, 7 watt rating.

Upper Bulb Replacement

1. Open door by pulling the handle.
2. Locate the upper bulb bracket.
3. Bend light retainer bracket down.
4. Locate and remove the light bulb.
5. Insert new bulb.
6. Bend light retainer bracket back into its original position.
7. Close the door.

Lower Light Bulb Requirements

Quantity of 2 clear chandelier or candelabra bulbs with an E-12 (small) socket base, 60 watt rating.

Lower Bulb Replacement

1. Open door by pulling the handle.
2. Remove the screw from the logset located in the center of the emberbed and remove the logset from the unit.
3. Locate and examine the bulbs to determine which bulb(s) required replacement.
4. Locate and remove the light bulb(s).
5. Insert new bulb(s).
6. Install the logset into the unit, pushing firmly against the glass. Replace the logset retaining screw into the ember bed.
7. Close the door.

Glass Cleaning

The clear door is cleaned in the factory during the assembly operation. During shipment, installation, handling, etc., the clear door may collect dust particles, these can be removed by dusting lightly with a clean dry cloth.

To remove fingerprints or other marks, the clear door can be cleaned with a damp cloth. The clear door should be completely dried with a lint free cloth to prevent water spots. To prevent scratching, do not use abrasive cleaners or spray liquids on the clear door surface.

Plastic Door Cleaning

To remove fingerprints or other marks, the clear door can be cleaned with a damp cloth. The clear door should be completely dried with a lint free cloth to prevent water spots. To prevent scratching, do not use abrasive cleaners or spray liquids on the clear door surface.

Stove Surface Cleaning

Use warm water only to clean painted surfaces of the Compact Stove. Do not use abrasive cleaners.

Servicing

Except for light bulb replacement and cleaning described above, an authorized service representative should perform any other servicing.
EXPLODED PARTS DIAGRAM

1. Cutout ........................................... 2300270100RP
2. Flicker Motor
   DS5629GB/CR MOD 0 - A .................. 2000210200RP
   DS5629GP/BR MOD 0 ....................... 2000210200RP
   DS5629GB/CR MOD B ....................... 2000500100RP
   DS5629GP/BR MOD A ....................... 2000500100RP
*If unit does not have a terminal block send WIRE-CON-KIT
3. Heater/Blower Assembly ................. 2200490700RP
4. Thermostat ........................................ 2300150100RP*
5. 3 Position Switch ......................... 2800071100RP
6. Heater On/Off Switch .................... 2800070200RP
7. Flame Rod ....................................... 5900080600RP
8. Strain Relief Bushing .................... 8500000400RP
9. Log Set ........................................... 0438780100RP
10. Upper Lampholder ......................... 4200121000RP
11. Lower Lampholder Set .................... 2500510000RP
12. Power Cord ..................................... 4100040900RP
13. Terminal Block ............................... 4000070100RP
14. Capacitor ..................................... 2300030100RP
15. Partially Reflective Glass ............... 5900630100RP
16. Front Glass .................................... 5900670100RP
17. Control Knob .................................. 8800000300RP
18. Door - Bronze ................................. 043874040MRP
   Gloss Black ................................... 0438740304RP
   Pewter ......................................... 043874050NRP
   Cranberry ..................................... 0438740203RP
19. Foot - Bronze ................................. 043873040MRP
   Gloss Black ................................... 0438730304RP
   Pewter ......................................... 043873050NRP
   Cranberry ..................................... 0438730203RP
20. Remote Control .............................. 3000370500RP
21. Remote Control Receiver ................. 3000380200RP
22. Door Handle .................................. 8801280100RP
WIRING DIAGRAM

DS5629GB/CR MOD 0 - A and DS5629GP/BR MOD 0

DS5629GB/CR MOD B and DS5629GP/BR MOD A
LIGHT BULB REPLACEMENT

**CAUTION:** If unit was operating prior to servicing allow at least 5 minutes for lights to cool off to avoid accidental burning of skin.

**WARNING:** Disconnect power before attempting any maintenance 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 or when the clarity and detail of the log exterior disappears. There are three bulbs under the log set which generate the flames and embers.

**HELPFUL HINTS:** It is a good idea to replace all 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 light bulbs.

**UPPER LIGHT BULB REPLACEMENT**

**UPPER LIGHT BULB REQUIREMENTS:** Quantity of 1 clear chandelier or candelabra bulbs with an E-12 (small) socket base, 7 watt rating.

1. Open door by pulling the handle.
2. Locate the upper bulb bracket.
3. Bend light retainer bracket down.
4. Locate and remove the light bulb.
5. Insert new bulb.
6. Bend light retainer bracket back into its original position.
7. Close the door.

**LOWER LIGHT BULB REPLACEMENT**

**LOWER LIGHT BULB REQUIREMENTS:** Quantity of 2 clear chandelier or candelabra bulbs with an E-12 (small) socket base, 60 watt rating.

1. Open door by pulling the handle.
2. Remove the 2 screws from the logset grate located in front of the emberbed and remove the grate from the unit.
3. Remove the logset from the unit by pulling forward and lifting out.
4. Locate and examine the bulbs to determine which bulb(s) required replacement.
5. Locate and remove the light bulb(s).
6. Insert new bulb(s).
7. Install the logset into the unit, and re-install the logset grate.
8. Close the door.

**FLAME ROD REPLACEMENT**

**WARNING:** If the stove was operating prior to servicing, allow at least 10 minutes for light bulbs and heating elements to cool off to avoid accidental burning of skin.

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

1. Open door by pulling the handle.
2. Remove the 2 screws from the logset grate located in...
front of the emberbed and remove the grate from the unit.
3. Remove the logset from the unit by pulling forward and lifting out.
4. Remove the reflector rod from the flame motor by pulling the end of the rod to the left and carefully remove flame rod from rubber sleeve.
5. Reassemble in the reverse order as above.

**FLICKER MOTOR REPLACEMENT**

⚠️ **WARNING:** If the stove was operating prior to servicing, allow at least 10 minutes for light bulbs and heating elements to cool off to avoid accidental burning of skin.

⚠️ **WARNING:** Disconnect power before attempting any maintenance to reduce the risk of electric shock or damage to persons.
1. Gently place stove on its back on a flat surface.
2. Remove the heater cover retaining screws located on the bottom of the stove and lower heater/light assembly onto the floor.
3. Remove the reflector rod and motor assembly by removing the screws on the front and rear of the heater cover.
4. Remove the heater retaining screws from the bottom of the heater cover.
5. 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. (Figure 7a)

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. (Figure 7b)

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. (Figure 7c)

6. Reassemble in the reverse order as above.

**REMOTE CONTROL RECEIVER REPLACEMENT**

⚠️ **WARNING:** If the stove was operating prior to servicing, allow at least 10 minutes for light bulbs and heating elements to cool off to avoid accidental burning of skin.

⚠️ **WARNING:** Disconnect power before attempting any maintenance to reduce the risk of electric shock or damage to persons.
1. Open door by pulling the handles.
2. Loosen the 2 retainers on the inner sides of the unit by turning counter clockwise.
3. Remove 4 screws that secure the top on the rear of the unit.

4. Lift the top off of the unit. Carefully remove the partially reflective glass and store in a safe place to prevent damage.

5. Locate the remote control receiver on the wall of the unit.

6. Remove wiring connections from the receiver noting their original locations.

7. From inside the unit, break off the 4 mounting studs by grasping with pliers and twisting on the protruding part of the stud, push the remainder of the studs out through the top panel.

   ! NOTE: New mounting studs are supplied with the replacement remote control receiver.

8. Reassemble in the reverse order as above.

CONTROLS REPLACEMENT

! WARNING: If the stove was operating prior to servicing, allow at least 10 minutes for light bulbs and heating elements to cool off to avoid accidental burning of skin.

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

1. Open door by pulling the handles.

2. Loosen the 2 retainers on the inner sides of the unit by turning counter clockwise.

3. Remove 4 screws that secure the top on the rear of the unit.

4. Lift the top off of the unit. Carefully remove the partially reflective glass and store in a safe place to prevent damage.

SWITCHES

5. Locate the switches on the back wall of the unit.

6. Remove wiring connections from the switches noting their original locations.

7. Squeeze the tabs on the top and bottom of the switch and push out through the back of the unit.

THERMOSTAT

8. Locate the thermostat on the back wall of the unit.

9. Remove the wiring from the thermostat noting their original locations.

10. Remove the thermostat knob and 2 mounting screws.

11. Connect all of the wiring connections in their original locations.

12. Reassemble in the reverse order as above.

POWER CORD REPLACEMENT

! WARNING: If the stove was operating prior to servicing, allow at least 10 minutes for light bulbs and heating elements to cool off to avoid accidental burning of skin.

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

1. Gently place stove on it’s back on a flat surface.

2. Remove the heater cover retaining screws located on the bottom of the stove and lower heater/light assembly onto the floor.

3. Remove the reflector rod and motor assembly by removing the screws on the front and rear of the heater cover.

4. Locate and disconnect the power cord wiring connections from the heater and 3-Position 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 power cord 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.

HEATER ASSEMBLY REPLACEMENT

⚠️ WARNING: If the stove was operating prior to servicing, allow at least 10 minutes for light bulbs and heating elements to cool off to avoid accidental burning of skin.

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

1. Gently place stove on its back on a flat surface.
2. Remove the heater cover retaining screws located on the bottom of the stove and lower heater/light assembly onto the floor.
3. Remove the reflector rod and motor assembly by removing the screws on the front and rear of the heater cover.
4. Disconnect the heater wiring connections from the heater noting their original locations.
5. Remove the 4 heater mounting screws and remove the heater from the unit.
6. Reassemble in the reverse order as above.
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