



PARTS AND SERVICE INSTRUCTIONS FOR THE ELECTRIC FIREPLACE

MODEL NUMBERS:

BF33STP/DXP
BF39STP/DXP

Valued Customer,

We are pleased that you have chosen to purchase an electric fireplace manufactured by Dimplex North America Ltd.

Over the years, valuable memories will occur around the warmth and comfort of your hearth. Thank you for allowing our product to be the backdrop for those special moments.

70000000REV01

TABLE OF CONTENTS

OPERATION	PAGE 3
PARTS DRAWING	PAGE 6
PARTS LIST	PAGE 7
WIRING DIAGRAM	PAGE 8
MAIN ON/OFF SWITCH REPLACEMENT	PAGE 9
PURIFIRE SWITCH REPLACEMENT	PAGE 10
HEATER ON/OFF SWITCH REPLACEMENT	PAGE 11
FLAME MOTOR/FLAME ROD REPLACEMENT	PAGE 12
VOLTAGE SELECTOR SWITCH REPLACEMENT	PAGE 14
HEATER ELEMENT REPLACEMENT	PAGE 17
BLOWER MOTOR REPLACEMENT	PAGE 19
TEMPERATURE LIMIT SWITCH REPLACEMENT	PAGE 23
REMOTE CONTROL KIT	PAGE 27

OPERATION

MANUAL CONTROLS (WITHOUT REMOTE OPTION)

The fireplace can be controlled by the manual switches located on the fireplace (FIGURE 1).

Main Power Switch

Main ON/OFF switch, activates the flame effect.

Heater Control Switch

Heater ON/OFF switch, activates heater to the high level.

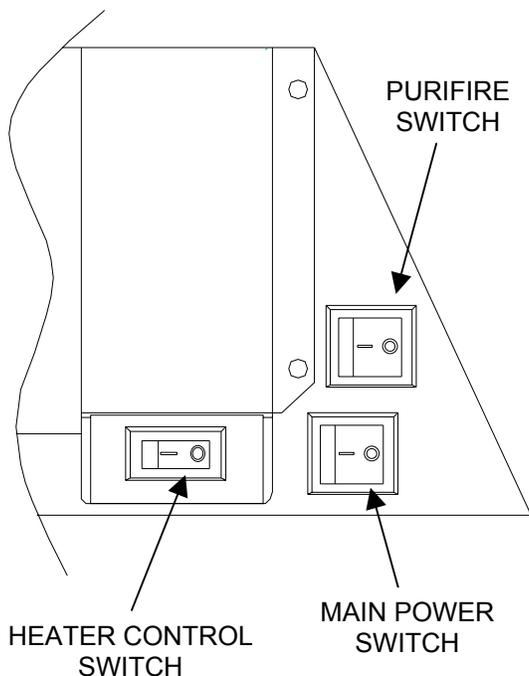


FIGURE 1

MANUAL CONTROLS (WITH REMOTE OPTION)

The fireplace can also be controlled in a similar manner to the remote control with the manual switches located on the fireplace (FIGURE 2). (refer to initialization instructions on page 2)

Main Power Switch

Main ON/OFF switch supplies power to the circuit board. When the Main ON/OFF switch is switched to the ON position the Level 1 indicator light will flash.

On Switch

1. Pressing once on the remote control board "ON SWITCH" activates the Level 1 function.
Level 1: The flame effect is turned on and the first red indicator light is activated.
2. Pressing twice on the remote control board "ON SWITCH" activates the Level 2 function.
Level 2: The flame effect remains on, the Purifire is activated if Purifire switch is in the "-" position. Heater remains off.
3. Pressing three times on the remote control board "ON SWITCH" activates the Level 3 function.
Level 3: The flame effect remains on, the Purifire is activated if Purifire switch is in the "-" position. the heater is set to the high heat setting.

Off Switch

Pressing this button ONCE will turn the unit OFF.

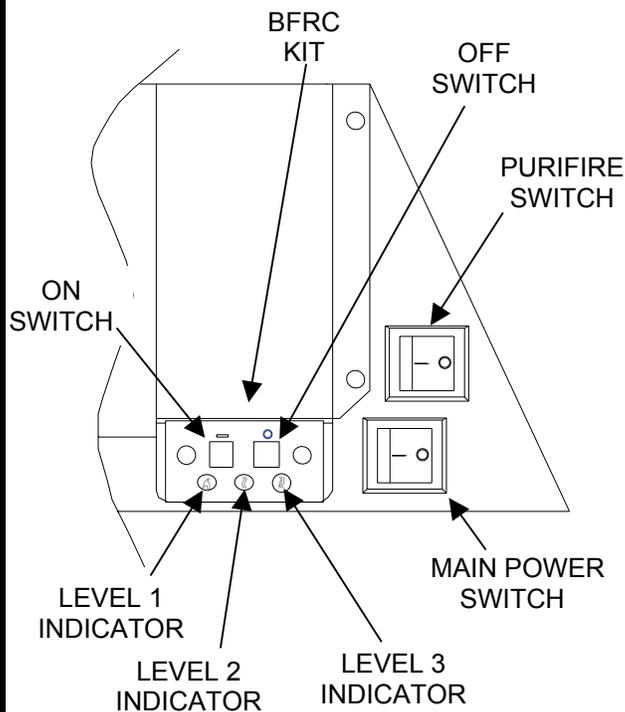
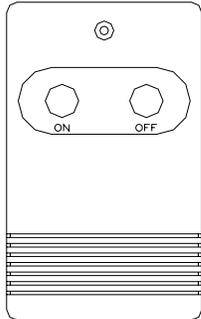


FIGURE 2

BF33STP, BF33DXP, BF39STP, BF39DXP

REMOTE CONTROL

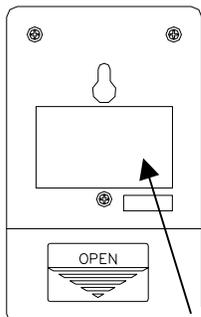


The remote control has a range of approximately 50ft. (15.25m). It does not have to be pointed at the fireplace and can pass through most obstacles (including walls). It is supplied with one of 243 independent frequencies to prevent interference with other units. The frequency designation is indicated on the back of the transmitter (FIGURE 3).

Remote Control Initialization

This procedure is required every time there is a loss of power to the remote control in the fireplace (i.e. power failure, breaker tripped, main power switch is turned off)

1. Ensure that power is supplied through main service panel.
2. Access the manual controls, (remove glass doors if applicable) pull the right hand steel curtain to the side of the unit. (FIGURE 4)
3. Locate manual controls refer to FIGURE 5.
4. Activate main power switch, (“—” position is “ON”, “○” position is “OFF”) red Level 1 indicator light will flash.
5. Press and hold the ON switch marked “—” for five seconds. The red Level 2 indicator light will flash.
6. Press the ON button located on the remote control transmitter (FIGURE 3). This will synchronize the remote control transmitter and receiver.



Frequency Code

FIGURE 3

Remote Control Usage

The remote control operates the fireplace levels sequentially. The level is increased every time the ON button on the transmitter is pressed. The fireplace can be turned off at any point by pressing the OFF button on the remote control transmitter.

Level 1: The flame effect is turned on and the first red indicator light is activated.

Level 2: The flame effect remains on, the Purifire is activated if Purifire switch is in the “-” position. Heater remains off.

Level 3: The flame effect remains on, the Purifire is activated if Purifire switch is in the “-” position. the heater is set to the high heat setting.

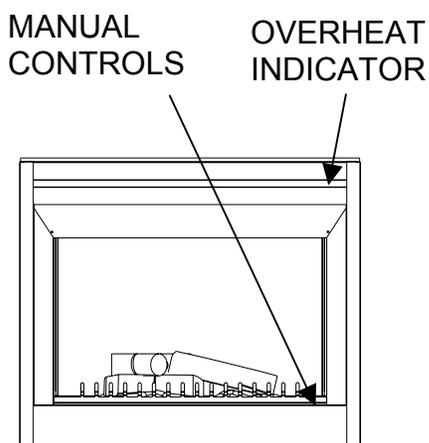


FIGURE 4

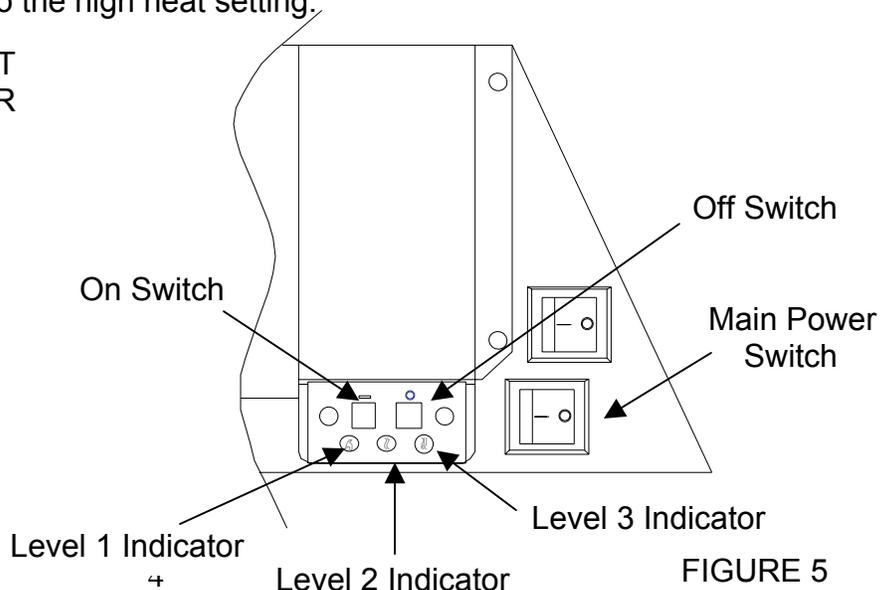


FIGURE 5

RESETTING THE TEMPERATURE CUTOUT SWITCH

The heater on this fireplace is protected with a safety device to prevent overheating. Should the heater overheat, a red light (**Fig. 4**) will be activated and an automatic cut out will turn the heater off. The heater will re-activate once the heater has cooled. The overheat cutout will be triggered if the filter is dirty.

WALL MOUNTED CONTROLS

The fireplace can be installed with wall mounted controls. These controls include wall switches and thermostats. (see installation guide for details)

A. Wall Mounted Switches

This model may be installed such that a wall mounted switch activates the flame effect and a wall mounted heater switch activates the heater. A wall mounted switch can also be installed to operate the heater independent of the flame.

B. Wall Mounted Thermostat

This unit may be installed such that a wall mounted thermostat can adjust the heat temperature to your individual requirements. Turn the thermostat control clockwise all the way to turn on the heater. When the room reaches the desired temperature, turn the thermostat knob counter clockwise until you hear a click. Leave in this position to maintain the room temperature at this setting. For additional heat, turn the thermostat clockwise until you hear the click again and the heater will turn on. To turn the heater off, turn the thermostat counter clockwise all the way, and/or turn the manual heater switch on the unit to the OFF position.

VOLTAGE SELECTOR SWITCH LOCATION

IMPORTANT:

Ensure that the incoming power supply voltage matches the setting of the voltage selector switch.

NOTE:

The voltage selector switch is located inside the exhaust panel on the top right hand corner (FIGURE 6).

CAUTION:

When changing the voltage selector switch from 240 volts to 120 volts ensure that the power supply is turned off.

NOTE:

Carefully insert a flat headed screwdriver inside the exhaust panel to change the switch from 240 volts (230 position) to 120 volts (115 position).

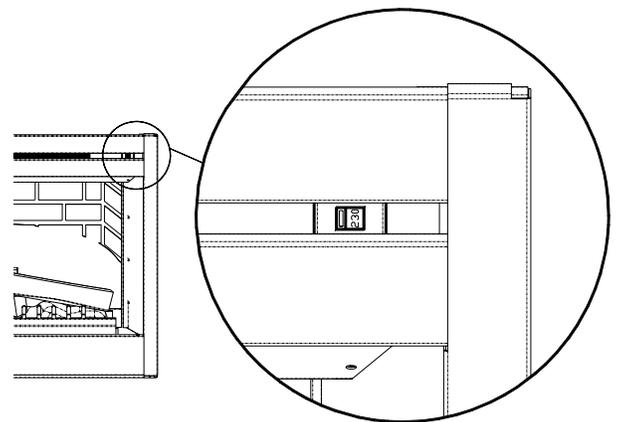
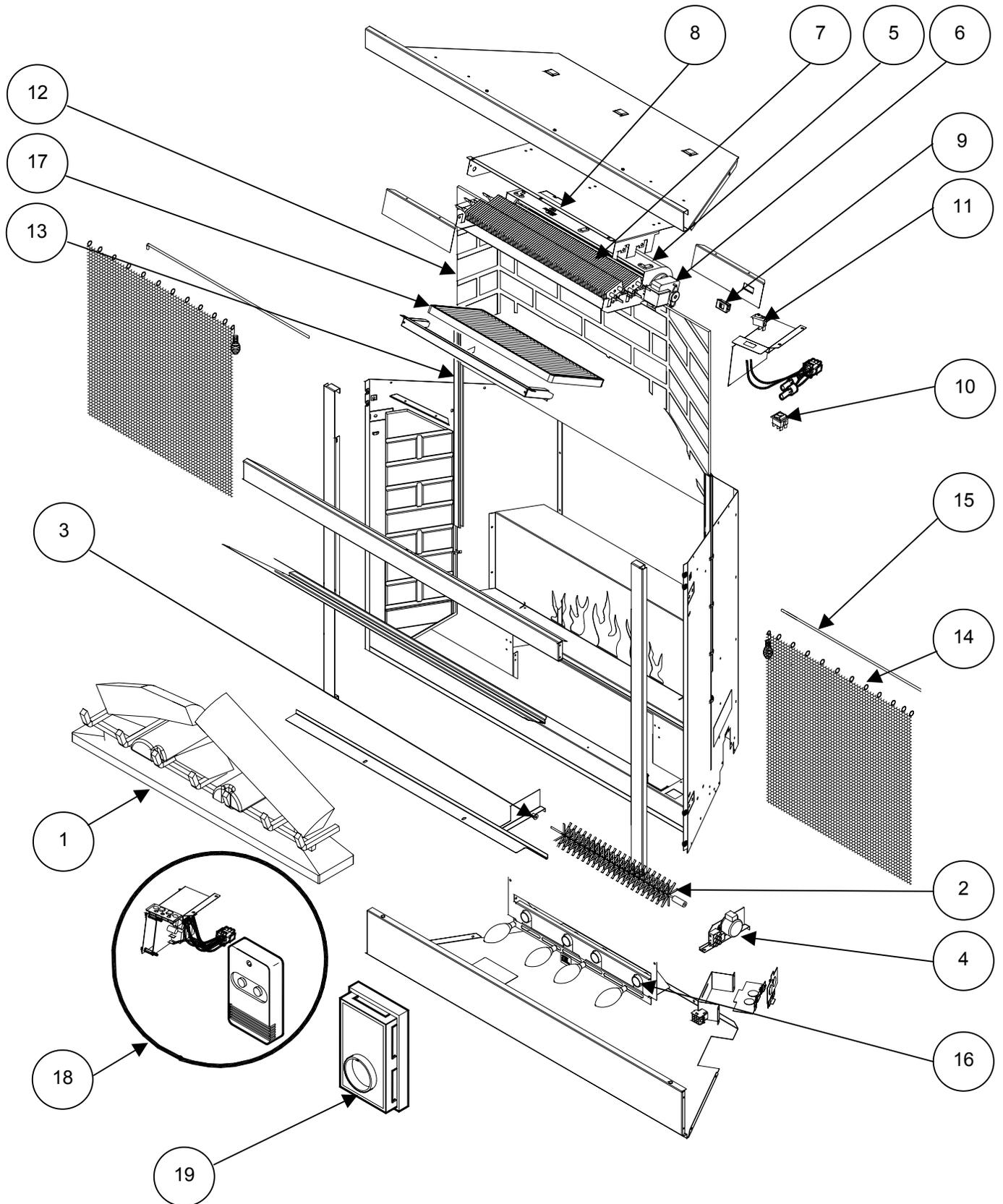


FIGURE 6

BF33STP, BF33DXP, BF39STP, BF39DXP



REPLACEMENT PARTS

DIMPLEX BUILT IN FIREPLACE

REPLACEMENT PART

1. LOG SET
2. REFLECTOR ROD
3. GROMMET
4. FLICKER ASSEMBLY
5. BLOWER ASSEMBLY
6. BLOWER MOTOR
7. HEATER ELEMENT
8. CUTOUT
9. VOLTAGE SELECTOR
10. MAIN ON/OFF SWITCH
11. HEATER SWITCH
12. MIRROR SEMI-SILVERED
13. EXTRUSION
14. STEEL CURTAIN
15. STEEL CURTAIN ROD
16. LOWER LIGHT HARNESS
17. FILTER, PURIFIRE

BF33ST

- 0438200300RP
5900081000RP
8500000400RP
6901811200RP
5300110300RP
5300110400RP
2200510100RP
2300260300RP
2500320200RP
2800070400RP
2800070700RP
5900161000RP
0438650200RP
8800240403RP
8800250300RP
2500370200RP
0439060100RP

BF33DX

- 0439230100RP
5900081000RP
8500000400RP
6901811200RP
5300110300RP
5300110400RP
2200510100RP
2300260300RP
2500320200RP
2800070400RP
2800070700RP
5900161100RP
0438650200RP
8800240403RP
8800250300RP
2500370200RP
0439060100RP

REPLACEMENT PART

1. LOG SET
2. REFLECTOR ROD
3. GROMMET
4. FLICKER ASSEMBLY
5. BLOWER ASSEMBLY
6. BLOWER MOTOR
7. HEATER ELEMENT
8. CUTOUT
9. VOLTAGE SELECTOR
10. MAIN ON/OFF SWITCH
11. HEATER SWITCH
12. MIRROR SEMI-SILVERED
13. EXTRUSION
14. STEEL CURTAIN
15. STEEL CURTAIN ROD
16. LOWER LIGHT HARNESS
17. FILTER, PURIFIRE

BF39ST

- 0438550200RP
5900080900RP
8500000400RP
6901811200RP
5300110300RP
5300110400RP
2200510100RP
2300260200RP
2500320200RP
2800070400RP
2800070700RP
5900160600RP
0438650100RP
8800240103RP
8800250100RP
2500370200RP
0439060100RP

BF39DX

- 0439070100RP
5900080900RP
8500000400RP
6901811200RP
5300110300RP
5300110400RP
2200510100RP
2300260200RP
2500320200RP
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0438650100RP
8800240103RP
8800250100RP
2500370200RP
0439060100RP

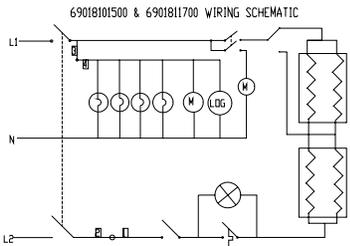
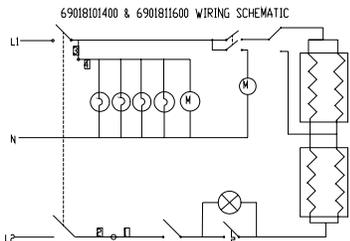
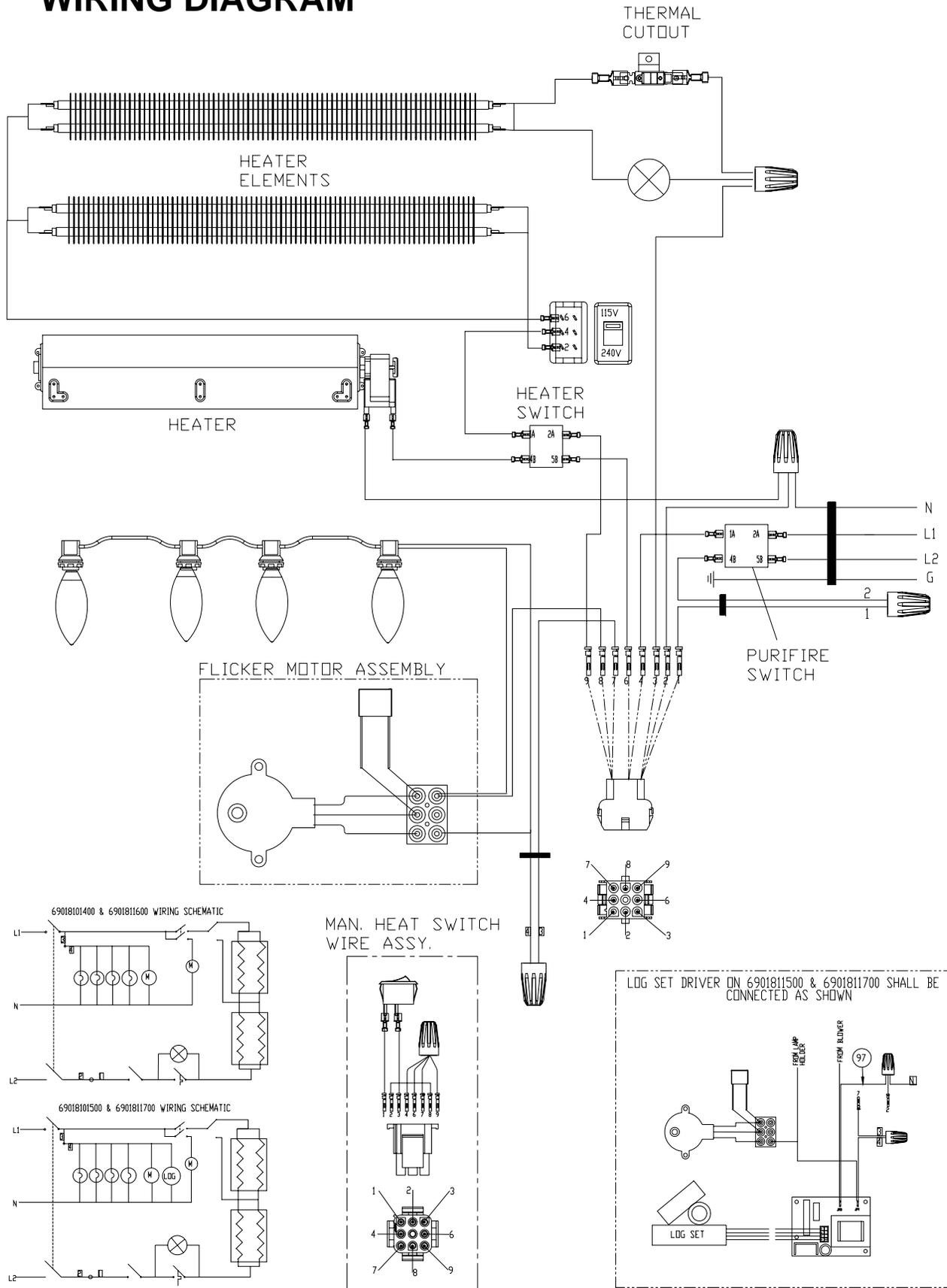
OPTIONAL ACCESSORIES

18. REMOTE CONTROL KIT
19. WALL THERMOSTAT

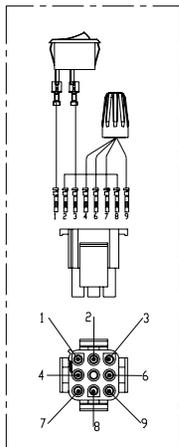
- BFRC-KIT
TS521W

BF33STP, BF33DXP, BF39STP, BF39DXP

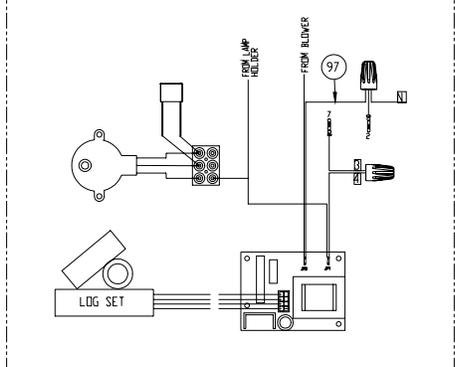
WIRING DIAGRAM



MAN. HEAT SWITCH WIRE ASSY.



LOG SET DRIVER ON 6901811500 & 6901811700 SHALL BE CONNECTED AS SHOWN



BF33STP, BF33DXP, BF39STP, BF39DXP

If the fireplace 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.

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

TO REPLACE MAIN ON/OFF SWITCH

1. Open the steel curtains (remove glass doors if applicable).
2. Remove the log grate retaining screws and remove the log grate.
3. Pull the rear edge of the log set forward by grasping the ember bed by the sides (handle the log set only by the ember bed and not the logs) and pulling firmly until the rear tab pops out from under the back ledge, then lift out.
4. Disconnect the log set LED wire harness from unit. **(DX MODELS ONLY)**
5. Remove the light bulb closest to the main on/off switch for easier access.
6. Locate the switch cover plate and remove the mounting screws.
7. Remove the switch cover plate by releasing assembly from the quick connect connection.
8. Reach hand into the opening and locate the main on/off switch.
9. Depress the retainer clips on the rear of the switch and push the switch out of the bottom cover.
10. Disconnect the wiring connections noting their original locations.
11. Properly orientate the new switch and connect all of the wiring connections.
12. Reassemble in the reverse order as above.

NOTE: To replace the log set re-connect the logset LED wire harness to the unit, insert the front edge, pushing back down until the rear tab snaps under the back ledge and the logs are resting against the mirror.

BF33STP, BF33DXP, BF39STP, BF39DXP

If the fireplace 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.

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

TO REPLACE PURIFIRE SWITCH

1. Open the steel curtains (remove glass doors if applicable).
2. Remove the log grate retaining screws and remove the log grate.
3. Pull the rear edge of the log set forward by grasping the ember bed by the sides (handle the log set only by the ember bed and not the logs) and pulling firmly until the rear tab pops out from under the back ledge, then lift out.
4. Disconnect the log set LED wire harness from unit. **(DX MODELS ONLY)**
5. Remove the light bulb closest to the main on/off switch for easier access.
6. Locate the switch cover plate and remove the mounting screws.
7. Remove the switch cover plate by releasing assembly from the quick connect connection.
8. Reach hand into the opening and locate the Purifire switch.
9. Depress the retainer clips on the rear of the switch and push the switch out of the bottom cover.
10. Disconnect the wiring connections noting their original locations.
11. Properly orientate the new switch and connect all of the wiring connections.
12. Reassemble in the reverse order as above.

NOTE: To replace the log set re-connect the logset LED wire harness to the unit, insert the front edge, pushing back down until the rear tab snaps under the back ledge and the logs are resting against the mirror.

BF33STP, BF33DXP, BF39STP, BF39DXP

If the fireplace 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.

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

TO REPLACE HEATER ON/OFF SWITCH (without remote control option)

NOTE: Remote control kit does not have individual heater switch. Refer to page 27 for remote control kit replacement instructions.

1. Open the steel curtains (remove glass doors if applicable).
2. Remove the log grate retaining screws and remove the log grate.
3. Pull the rear edge of the log set forward by grasping the ember bed by the sides (handle the log set only by the ember bed and not the logs) and pulling firmly until the rear tab pops out from under the back ledge, then lift out.
4. Disconnect the log set LED wire harness from unit. **(DX MODELS ONLY)**
5. Remove the light bulb closest to the heater on/off switch for easier access.
6. Locate the switch cover plate and remove the mounting screws.
7. Remove the switch cover plate by releasing assembly from the quick connect connection.
8. Depress the retainer clips on the rear of the switch and push the switch out of the bottom cover.
9. Disconnect the wiring connections noting their original locations.
10. Properly orientate the new switch and connect all of the wiring connections.
11. Reassemble in the reverse order as above.

NOTE: To replace the log set re-connect the logset LED wire harness to the unit, insert the front edge, pushing back down until the rear tab snaps under the back ledge and the logs are resting against the mirror.

BF33STP, BF33DXP, BF39STP, BF39DXP

If the fireplace 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.

Disconnect circuit 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. Open the steel curtains (remove glass doors if applicable).
2. Remove the log grate retaining screws and remove the log grate.
3. Pull the rear edge of the log set forward by grasping the ember bed by the sides (handle the log set only by the ember bed and not the logs) and pulling firmly until the rear tab pops out from under the back ledge, then lift out.
4. Disconnect the log set LED wire harness from unit. **(DX MODELS ONLY)**
5. Remove all lower light bulbs.
6. Remove the retaining screws on the light assembly retaining plate and set aside retaining plate.
7. Reach hand into the opening created by removing the light assembly retaining plate and locate the flame assembly mounting bracket screw.

NOTE:

Flame assembly bracket screw is secured to flame panel on the same side as the manual control switches.

8. Remove the flame assembly mounting bracket screw using a 1/4" hex head wrench or socket.
9. Remove the flame rod from the flame assembly by pulling the rubber channel section of the rod away from the flame motor.
10. Rotate the flame assembly down releasing the mounting tab from the rear panel.

NOTE:

In order for the mounting tab to release from the rear panel, the flame assembly mounting bracket needs to be rotated a complete 90° down. Cutting of the wire tie wraps may be required to move wires out of the way.

11. Disconnect the wiring connections noting their original locations.

12. Reassemble in the reverse order as above.

NOTE:

Ensure to secure the flame rod to the end of the flame motor prior to securing flame motor assembly bracket to flame panel.

BF33ST, BF33DX, BF39ST, BF39DX, BF45ST, BF45DX

If the fireplace 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.

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

TO REPLACE FLAME MOTOR/FLAME ROD

NOTE: To replace the log set re-connect the logset LED wire harness to the unit, insert the front edge, pushing back down until the rear tab snaps under the back ledge and the logs are resting against the mirror.

WARNING: Ensure wires do not come in contact with moving parts by securing wires in wire wraps.

BF33STP, BF33DXP

If the fireplace 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.

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

**TO REPLACE VOLTAGE SELECTOR SWITCH
(UNIT IS PERMENANTLY INSTALLED IN WALL)**

1. Remove the log grate retaining screws and remove the log grate.
2. Pull the rear edge of the log set forward by grasping the ember bed by the sides (handle the log set only by the ember bed and not the logs) and pulling firmly until the rear tab pops out from under the back ledge, then lift out.
3. Disconnect the log set LED wire harness from unit. **(DX MODELS ONLY)**
4. Release the steel curtains from the side panels by opening the retainers on the sides of the fireplace using needle nose pliers.
5. Remove the steel curtains by lifting up on the curtain mounting rod releasing it from the side mounting tab, and pulling out.
6. Remove the heater cover mounting screws from inside the firebox and remove the heater cover by lifting it up from the back, bowing it slightly in the center and pulling out by one end.
7. Hold the mirror and use a sharp utility knife to cut the lip off of the rubber channel (one side only) that holds the mirror in place.
8. Remove mirror by pulling it out of the cut rubber channel being careful not to bump or drop it.
9. Remove the cut channel from the firebox.
10. Remove the heater assembly mounting screws from top panel.
11. Locate the voltage selector switch inside the exhaust panel on the top right hand corner, and cut the wire tie wraps securing the voltage selector switch wires.
12. Remove the voltage selector wire connections from the heater elements noting their original locations.
13. Cut and strip the brown and orange wires from the voltage selector switch along the back panel allowing enough room to cut, strip and reconnect wiring.
14. Depress the retainer clips on the rear of the voltage selector switch and push the switch out of the light block.

BF33STP, BF33DXP

If the fireplace 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.

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

**TO REPLACE VOLTAGE SELECTOR SWITCH
(UNIT IS PERMENANTLY INSTALLED IN WALL)**

15. Properly orientate the new switch and connect all of the wiring connections to the heater elements.

NOTE: Ensure there is enough wire length to wire connect the wires together.

16. Cut and strip the brown and orange wires from the new voltage selector switch.

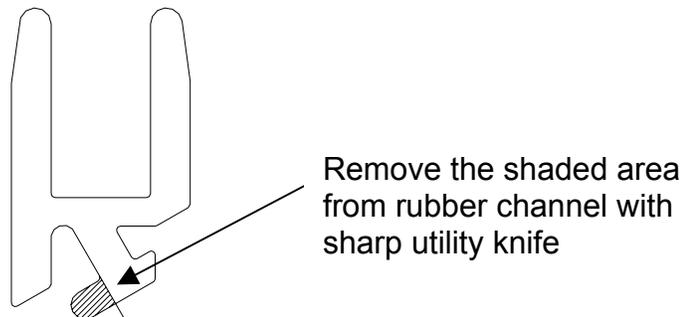
17. Use (2) wire connectors to connect the 4 stripped wire with their matching colour.
(brown wire with brown wire, orange wire with orange wire)

WARNING: Ensure wires do not come in contact with moving parts by securing wires in wiring tie wraps.

18. Using a sharp utility knife, cut 3.22" off of the length of the new rubber channel so the overall length is 17.33".

19. Reassemble in the reverse order as above.

NOTE: Prior to installing the mirror, cut the one end off of the T-shaped groove on the supplied rubber channel with a sharp utility knife as indicated in diagram below.



NOTE: To install the mirror after the factory installed rubber channel has been cut, use the channel that was supplied with the replacement motor / blower. Slide the channel onto the edge of the mirror and push the other side of the mirror into the existing rubber channel in the firebox, carefully press mirror into the mounting slot on the firebox.

NOTE: To replace the log set re-connect the logset LED wire harness to the unit, insert the front edge, pushing back down until the rear tab snaps under the back ledge and the logs are resting against the mirror.

BF33STP, BF33DXP, BF39STP, BF39DXP

If the fireplace 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.

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

**TO REPLACE VOLTAGE SELECTOR SWITCH
(UNIT CAN BE REMOVED FROM WALL)**

1. Remove unit from installed wall. (remove trim surround if applicable)
2. Remove a total of 4 screws from both side trims on unit.
3. Remove the 6 top panel mounting screws and position heater assembly upright being careful not to damage any wires.
4. Locate the voltage selector switch inside the exhaust panel on the top right hand corner, and cut the wire tie wraps securing the voltage selector switch wires.
5. Disconnect voltage selector switch wire connections from heater elements noting their original locations.
6. Cut and strip the brown and orange wires from the voltage selector switch along the back panel allowing enough room to cut, strip, and reconnect wiring.
7. Depress the retainer clips on the rear of the voltage selector switch and push the switch out of the light block.
8. Properly orientate the new switch and connect all of the wiring connections to the heater elements.

NOTE: Ensure there is enough wire length to wire connect the wires together.

9. Cut and strip the brown and orange wires from the new voltage selector switch.
10. Use (2) wire connectors to connect the 4 stripped wires with their matching colour. (brown wire with brown wire, orange wire with orange wire)

WARNING: Ensure wires do not come in contact with moving parts by securing wires in wiring tie wraps.

11. Reassemble in the reverse order as above.

BF33STP, BF33DXP, BF39STP, BF39DXP

If the fireplace 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.

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

**TO REPLACE HEATING ELEMENTS
(UNIT IS PERMENANTLY INSTALLED IN WALL)**

NOTE: The fireplace is equipped with two heating elements. The same removal & installation instructions apply to both elements.

1. Remove the log grate retaining screws and remove the log grate
2. Disconnect the log set LED wire harness from unit. **(DX MODELS ONLY)**
3. Pull the rear edge of the log set forward by grasping the ember bed by the sides (handle the log set only by the ember bed and not the logs) and pulling firmly until the rear tab pops out from under the back ledge, then lift out.
4. Release the steel curtains from the side panels by opening the retainers on the sides of the fireplace using needle nose pliers.
5. Remove the steel curtains by lifting up on the curtain mounting rod releasing it from the side mounting tab, and pulling out.
6. Remove the 10 heater cover mounting screws from inside the firebox and remove the heater cover by lifting it up from the back, bowing it slightly in the center and pulling out by one end.
7. Locate the elements mounted to the top cover and disconnect the connections noting their original locations.
8. Remove the 2 element cover hex head screws using a $\frac{3}{8}$ " hex head socket.
9. Remove the 3 remaining element cover mounting screws and remove element.
10. Properly orientate the replacement element and connect all of the wiring connections in their original locations.
11. Reassemble in the reverse order as above.

NOTE: To replace the log set re-connect the logset LED wire harness to the unit, insert the front edge, pushing back down until the rear tab snaps under the back ledge and the logs are resting against the mirror.

BF33STP, BF33DXP, BF39STP, BF39DXP

If the fireplace 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.

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

**TO REPLACE HEATING ELEMENTS
(UNIT CAN BE REMOVED FROM WALL)**

NOTE: The fireplace is equipped with two heating elements. The same removal & installation instructions apply to both elements.

1. Remove unit from installed wall. (remove trim surround if applicable)
2. Remove a total of 4 screws from both side trims on unit.
3. Remove top panel mounting screws and position heater assembly upright being careful not to damage any wires.
4. Locate the elements mounted to the top cover and disconnect the connections noting their original locations.
5. Remove the 2 element cover hex head screws using a $\frac{3}{8}$ " hex head socket.
6. Remove the 3 remaining element cover mounting screws and remove element.
7. Properly orientate the replacement element and connect all of the wiring connections in their original locations.
8. Reassemble in the reverse order as above.

BF33ST, BF33DX

If the fireplace 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.

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

**TO REPLACE BLOWER MOTOR / BLOWER
(UNIT IS PERMENANTLY INSTALLED IN WALL)**

1. Remove the log grate retaining screws and remove the log grate.
2. Pull the rear edge of the log set forward by grasping the ember bed by the sides (handle the log set only by the ember bed and not the logs) and pulling firmly until the rear tab pops out from under the back ledge, then lift out.
3. Disconnect the log set LED wire harness from unit. **(DX MODELS ONLY)**
4. Release the steel curtains from the side panels by opening the retainers on the sides of the fireplace using needle nose pliers.
5. Remove the steel curtains by lifting up on the curtain mounting rod releasing it from the side mounting tab, and pulling out.
6. Remove the 10 heater cover mounting screws from inside the firebox and remove the heater cover by lifting it up from the back, bowing it slightly in the center and pulling out by one end.

NOTE: A new rubber channel that holds the mirror in place is supplied with the new blower motor.

7. Hold the mirror and use a sharp utility knife to cut the lip off of the rubber channel (one side only) that holds the mirror in place.
8. Remove mirror by pulling it out of the cut rubber channel being careful not to bump or drop it.
9. Remove the cut channel from the firebox.
10. Remove the (3) heater assembly mounting screws from top panel.
11. Lower heater assembly and remove wiring connections from blower motor noting their original locations.
12. Remove the (6) blower motor assembly screws and set aside blower motor assembly.
13. Properly orientate the replacement blower assembly and connect all of the wiring connections in their original locations.

14. Using a sharp utility knife, cut 3.22" off of the length of the rubber channel so the overall length is 17.33".

15. Reassemble in the reverse order as above.

NOTE: To replace the log set re-connect the logset LED wire harness to the unit, insert the front edge, pushing back down until the rear tab snaps under the back ledge and the logs are resting against the mirror.

If the fireplace 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.

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

**TO REPLACE BLOWER MOTOR / BLOWER
(UNIT IS PERMENANTLY INSTALLED IN WALL)**

1. Remove the log grate retaining screws and remove the log grate.
2. Pull the rear edge of the log set forward by grasping the ember bed by the sides (handle the log set only by the ember bed and not the logs) and pulling firmly until the rear tab pops out from under the back ledge, then lift out.
3. Release the steel curtains from the side panels by opening the retainers on the sides of the fireplace using needle nose pliers.
4. Remove the steel curtains by lifting up on the curtain mounting rod releasing it from the side mounting tab, and pulling out.
5. Remove the heater cover mounting screws from inside the firebox and remove the heater cover by lifting it up from the back, bowing it slightly in the center and pulling out by one end.
6. Properly orientate the replacement blower assembly and connect all of the wiring connections in their original locations.
7. Reassemble in the reverse order as above.

NOTE: To replace the log set re-connect the logset LED wire harness to the unit, insert the front edge, pushing back down until the rear tab snaps under the back ledge and the logs are resting against the mirror.

BF33STP, BF33DXP, BF39STP, BF39DXP

If the fireplace 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.

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

**TO REPLACE BLOWER MOTOR / BLOWER
(UNIT CAN BE REMOVED FROM WALL)**

1. Remove unit from installed wall. (remove trim surround if applicable)
2. Locate and remove both side trims from unit.
3. Remove top panel mounting screws and position heater assembly upright being careful not to damage any wires.
4. Remove the (3) heater assembly mounting screws from top panel.
5. Remove the (6) blower motor assembly screws and set aside blower motor assembly.
6. Properly orientate the replacement blower assembly and connect all of the wiring connections in their original locations.
7. Reassemble in the reverse order as above.

BF33STP, BF33DXP

If the fireplace 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.

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

**TO REPLACE TEMPERATURE LIMIT SWITCH
(UNIT IS PERMENANTLY INSTALLED IN WALL)**

1. Remove the log grate retaining screws and remove the log grate.
2. Pull the rear edge of the log set forward by grasping the ember bed by the sides (handle the log set only by the ember bed and not the logs) and pulling firmly until the rear tab pops out from under the back ledge, then lift out.
3. Disconnect the log set LED wire harness from unit. **(DX MODELS ONLY)**
4. Release the steel curtains from the side panels by opening the retainers on the sides of the fireplace using needle nose pliers.
5. Remove the steel curtains by lifting up on the curtain mounting rod releasing it from the side mounting tab, and pulling out.
6. Remove the heater cover mounting screws from inside the firebox and remove the heater cover by lifting it up from the back, bowing it slightly in the center and pulling out by one end.
7. Remove the (3) heater assembly mounting screws from the top panel and lower heater assembly.
8. Remove the temperature limit switch screw from heater bracket assembly and disconnect the (1) temperature limit switch wire from the heater element.
9. Cut and strip the (1) other remaining temperature limit switch wire end with wire cutters closest to blower motor allowing enough room to cut, strip and reconnect wiring.
10. Properly orientate the new temperature limit switch and secure to heater bracket assembly.
11. Connect the (1) wire connection to the heating element.
12. Reassemble in the reverse order as above.

NOTE: To replace the log set re-connect the logset LED wire harness to the unit, insert the front edge, pushing back down until the rear tab snaps under the back ledge and the logs are resting against the mirror.

BF39STP, BF39DXP

If the fireplace 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.

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

**TO REPLACE TEMPERATURE LIMIT SWITCH
(UNIT IS PERMENANTLY INSTALLED IN WALL)**

1. Remove the log grate retaining screws and remove the log grate.
2. Pull the rear edge of the log set forward by grasping the ember bed by the sides (handle the log set only by the ember bed and not the logs) and pulling firmly until the rear tab pops out from under the back ledge, then lift out.
3. Disconnect the log set LED wire harness from unit. **(DX MODELS ONLY)**
4. Release the steel curtains from the side panels by opening the retainers on the sides of the fireplace using needle nose pliers.
5. Remove the steel curtains by lifting up on the curtain mounting rod releasing it from the side mounting tab, and pulling out.
6. Remove the 10 heater cover mounting screws from inside the firebox and remove the heater cover by lifting it up from the back, bowing it slightly in the center and pulling out by one end.
7. Remove the (3) heater assembly mounting screws from the top panel and lower heater assembly.
8. Remove temperature limit switch screw from heater bracket assembly and disconnect the (1) temperature limit switch wire from heater element.
9. Cut and strip the (1) other temperature limit switch wire end with wire cutters closest to blower motor allowing enough room to cut, strip and reconnect wiring.
10. Properly orientate the new temperature limit switch and secure to heater bracket assembly.
11. Connect the (1) wire connection to the heating element.
12. Cut and strip the remaining temperature limit switch wire and wire connect, with wire connector, to the other stripped cutout wire.
13. Reassemble in the reverse order as above.

NOTE: To reconnect temperature limit switch, cut and strip the long end of the cutout wire, and wire connect to existing cutout wire closest to blower motor.

WARNING: Ensure wires do not come in contact with moving parts by securing wires in tie wraps.

BF39ST, BF39DX, BF45ST, BF45DX

If the fireplace 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.

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

**TO REPLACE TEMPERATURE LIMIT SWITCH
(UNIT IS PERMANENTLY INSTALLED IN WALL)**

NOTE: To replace the log set re-connect the logset LED wire harness to the unit, insert the front edge, pushing back down until the rear tab snaps under the back ledge and the logs are resting against the mirror.

BF33ST, BF33DX, BF39ST, BF39DX, BF45ST, BF45DX

If the fireplace 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.

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

**TO REPLACE TEMPERATURE LIMIT SWITCH
(UNIT CAN BE REMOVED FROM WALL)**

1. Remove unit from installed wall. (remove trim surround if applicable)
2. Locate and remove both side trims from unit.
3. Remove top panel mounting screws and position heater assembly upright being careful not to damage any wires.
4. Remove the heater assembly mounting screws from top panel.
5. Remove temperature limit switch screw from heater bracket assembly and disconnect the (1) temperature limit switch wire from heater element.
6. Cut and strip the (1) other temperature limit switch wire end with wire cutters closest to blower motor allowing enough room to cut, strip and reconnect wiring.
7. Properly orientate the new temperature limit switch and secure to heater bracket assembly.
8. Connect the (1) wire connection to the heating element.
9. Cut and strip the remaining temperature limit switch wire and wire connect, with wire connector, to the other stripped cutout wire.
10. Reassemble in the reverse order as above.

NOTE: To reconnect temperature limit switch, cut and strip the long end of the cutout wire, and wire connect to existing cutout wire closest to blower motor.

WARNING: Ensure wires do not come in contact with moving parts by securing wires in tie wraps.

BF33ST, BF33DX, BF39ST, BF39DX, BF45ST, BF45DX

If the fireplace 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.

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

TO REPLACE REMOTE CONTROL KIT

1. Open the steel curtains (remove glass doors if applicable).
2. Remove the log grate retaining screws and remove the log grate.
3. Pull the rear edge of the log set forward by grasping the ember bed by the sides (handle the log set only by the ember bed and not the logs) and pulling firmly until the rear tab pops out from under the back ledge, then lift out.
4. Disconnect the log set LED wire harness from unit. **(DX MODELS ONLY)**
5. Locate the circuit board cover plate and remove the mounting screws.
6. Remove the circuit board cover plate by releasing assembly from the quick connect connection.
7. Replace circuit board assembly kit.
8. Reassemble in the reverse order as above.

NOTE: To replace the log set re-connect the logset LED wire harness to the unit, insert the front edge, pushing back down until the rear tab snaps under the back ledge and the logs are resting against the mirror.