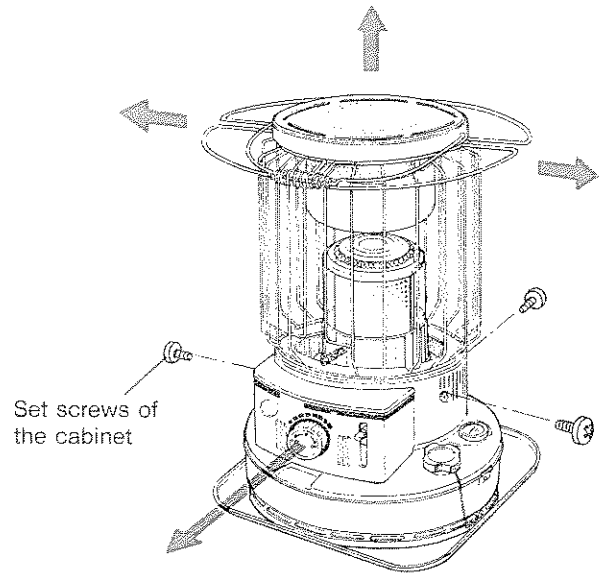


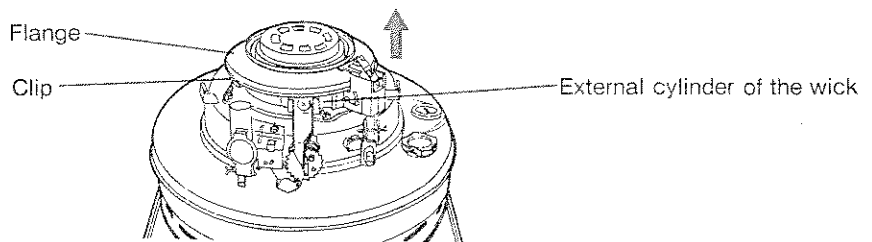
## PARTS REPLACEMENT PROCEDURES

### REPLACING THE WICK (Use only a factory authorized replacement wick).

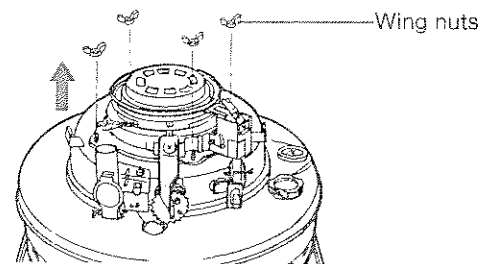
1. Push the emergency shut off button.
2. Remove the carrying handle by lining up the tab on the wire handle and the key hole slots on the grill collar. Pull out and remove. Then remove the top plate unit.
3. Lift out the chimney assembly.
4. Pull off the wick adjuster knob and remove the three set screws of the cabinet. Tilt the cabinet forward and remove it.



5. Remove the flange of the external cylinder of the wick by gently bending out the three clips around the edge.



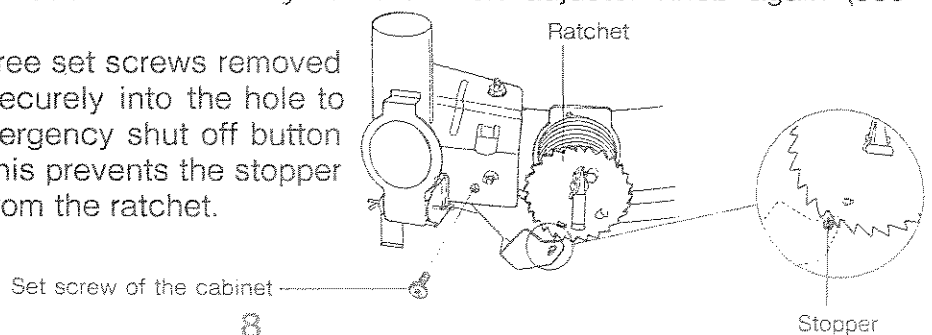
6. Unscrew the 4 wing nuts. To assure that the ignition wires remain intact, carefully remove the external cylinder of the wick and lay on the side of the heater.



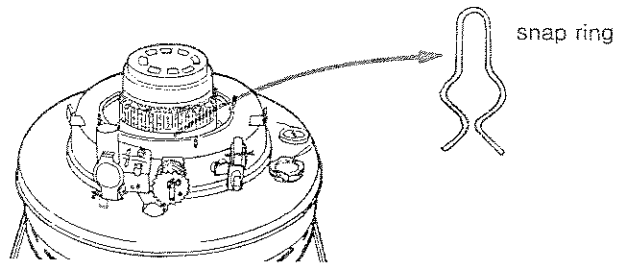
7. a. Replace the wick adjuster knob back on its shaft.

#### IMPORTANT

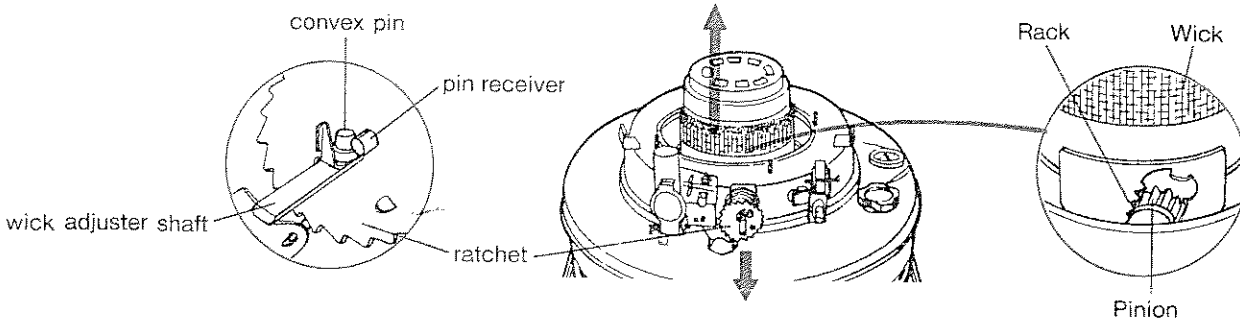
- b. Turn the knob one notch to the right (clockwise). You will hear one click as it position. If you go beyond one notch, reset the wick adjuster knob by pushing the emergency shut off button and carefully set the wick adjuster knob again (see Illustration).
- c. Insert one of the three set screws removed from the cabinet securely into the hole to the right of the emergency shut off button (See Illustration). This prevents the stopper from disengaging from the ratchet.



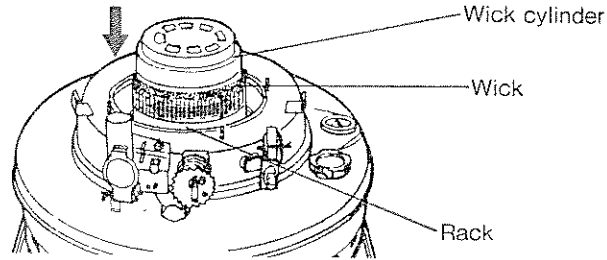
8. Using a pair of plyers, pull the snap ring from the groove of the collar.



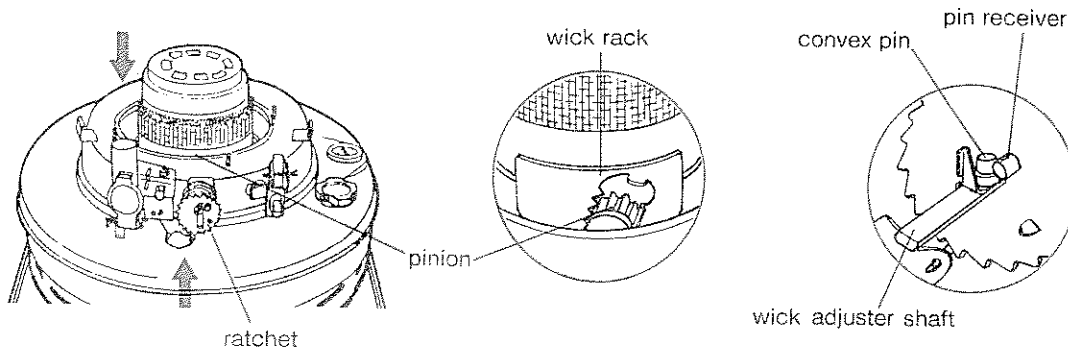
9. Carefully pull the wick adjuster shaft towards you (by about 6mm - 1/4") which removes the pinion at the end of the wick adjuster shaft from the rack of the wick holder. Remove the wick assembly from the unit.



10. Position the new wick assembly on the guide cylinder with the rack part of the holder facing the front; by moving the wick up and down and to the left and right. Position the wick at its lowest position.



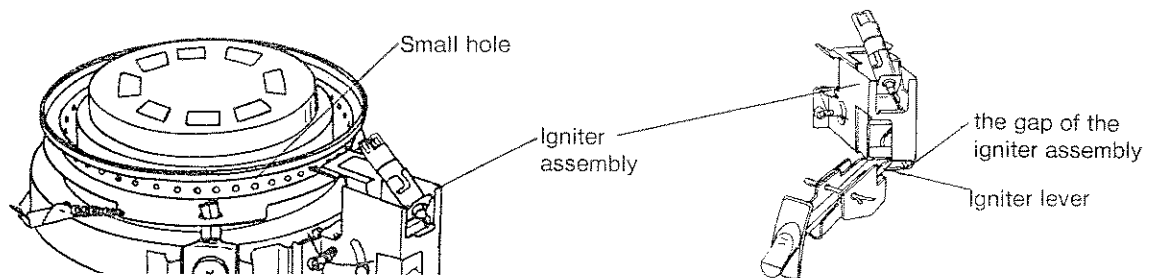
11. Assure that the convex pin is against the pin receiver as shown by turning the wick adjuster shaft to the right if necessary. With the wick at its lowest position insert the pinion into the wick rack by pushing the wick adjuster shaft until the pinion is in mesh with the highest teeth of the wick rack.



12. Reinsert the snap ring in the groove of the wick adjuster shaft.

13. Remove the set screw from the hole to the right of the emergency shut off button. If you did not insert the set screw of the cabinet at step 7b the stopper and the ratchet will not engage each other. Turn the wick adjuster shaft to the right until the pin receiver of the ratchet comes around to the top (approximately  $\frac{1}{4}$  turn) and insert the pinion into the wick rack by pushing the wick adjuster shaft until the pinion is in mesh with the highest teeth of the wick rack. Now follow step 12 through 16.
14. Position the wick at its highest position by turning the wick adjuster knob clockwise (to the right) until it stops. Replace the external cylinder making sure and secure with two wing nuts (placed diagonally) to assure that the wick moves up and down smoothly. Once the wick is operating smoothly attach the other two wing nuts being careful not to hit the automatic shut off pendulum which can result in an unsafe condition. Check to insure the small holes of the external cylinder are closed. If they are not closed your heater might not function correctly. If the holes are not closed the next step should correct this condition.

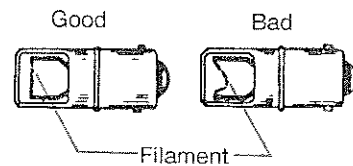
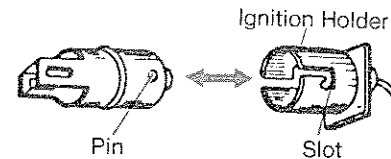
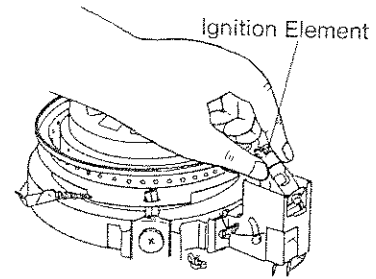
Note : Make sure that the igniter lever inserting to the gap of the igniter assembly.



15. Turn the wick adjuster knob clockwise (to the right) until it stops. Trip the automatic shut-off device by pushing the shut off button. Check to see that the wick has returned to its lowest position and the small holes in the external cylinder of the wick are open. If the small holes are not open — loosen the four wing nuts and rotate the external cylinder until the small holes are completely open. Now retighten the four wing nuts.
16. Return to step #5 through 2 and reverse the procedures to reassemble the heater after removing the wick adjuster knob.

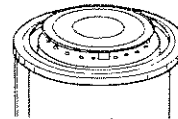
## REPLACING THE IGNITION ELEMENT

1. Remove the wire carrying handle and the top plate. Lift out the chimney assembly.
  2. Turn the wick adjuster knob to the left (counterclockwise) until it stops and remove the dry batteries from the rear of the cabinet.
  3. Pull off the wick adjuster knob and remove the three set screws of the cabinet. Tilt the cabinet forward and remove it.
  4. Push and turn the ignition element to the left which releases it and then remove it.
  5. Insert the new ignition element as shown and press inward and turn to the right until it locks.
  6. Replace the cabinet, the chimney assembly, the top plate, and the carrying handle.
  7. Replace the dry batteries.
- NOTE: Take care not to deform the new element.



## REPLACING THE CIRCULAR COIL

Remove the old circular coil and replace it with a new one.



## REPLACING THE CROSS PINS AND THE GLASS MANTLE

1. Remove the circular coil as shown in the previous step.
2. Carefully remove the lock nuts with the tip of a screwdriver or pliers to prevent damaging the glass mantle, and remove the cross pin. When replacing only the cross pins it will be easier to replace one pin at a time.
3. Remove both pins to replace the glass mantle.
4. When reassembling the chimney assembly refer to the illustration for the proper positioning of the parts. Replace the lock nuts.
5. Assemble the circular coil referring to the illustration.

