

# Repair Instructions

## Bulb Replacement

ComfortZone Infrared Heater  
Model CZ-1500 WT / WC  
Wood Cabinet

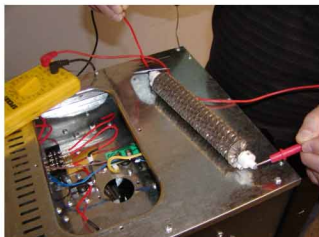
Note: Service procedures should be performed by a trained service technician familiar with the risks and precautionary steps required to prevent injury and to assure proper operating function of the unit if repairs are attempted.

### Infrared Bulb Replacement Sequence..

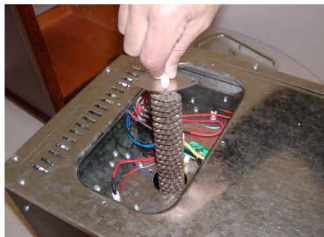
### Warning: Unplug the unit from the wall receptacle

1. Place the unit on a table at a comfortable working level with soft cloth underneath.
2. Remove the two retaining screws on the bottom of the chassis as shown.
3. Slide the chassis out of the wood cabinet.
4. Remove the 4 screws on the metal inspection plate located on the right side of the heater, if looking on the heater from the front.
5. Place the unit on its side so that the inspection areas are on top. Notice the numbering sequence of the 4 bulbs and contact points imprinted onto the chassis. To determine if there is a faulty bulb the continuity must be checked. You will need an OHM meter or continuity tester (usually costs \$2-5 at radio shack) to complete this procedure.
6. The 4 bulbs are wired into two pairs. Terminals 1 & 2 constitute the first pair. Terminals 3 & 4 constitute the second pair. The pairs are wired with the two bulbs in series meaning that if one bulb goes out the other bulb in that series will also stop working even though the bulb is still good. To determine which bulb(s) is faulty in the unit, perform the following continuity test. First test each pair. Place the continuity tester on the contact plate for terminals 1 & 2. If the meter shows continuity, both bulbs are working. Next place the continuity tester on the contact plate for terminals 3 & 4. If no continuity, for example, it means that one of the bulbs is burned out.
7. Next, remove the plastic cover on the contact plate to perform the following steps. To determine which bulb is burned out, remove either one of the two bulbs, it doesn't matter which one. First remove the wire from the contact plate by loosening the screw on the respective terminal of the contact plate and removing the bulb wire from the plate. Next, remove the two retaining screws on either side of the bulb retaining plate. The bulb is spring-loaded and will pop out of its ceramic receptacle.
8. Test the continuity across the bulb filament by placing the continuity tester or OHM meter on contact tip and the wire end of the bulb. If there is continuity it means that the other bulb in the series is burnt out. If the bulb shows no continuity, then the bulb you have removed is burnt out. Remove and replace bulbs as required using this logical process of deduction. Replace all burnt out bulbs with new ones.
9. Replace bulbs in the opposite order of removal by carefully re-setting the bulb in its spring-loaded ceramic receptacle and screwing down the two retaining screws. Remove the defective bulb in the same manner as the one being tested, if the one that was tested, proved to be operable

8



7 (d)



7 (c)



1



2



3



4



5



6



7 (a)



7 (b)

