

## 7.2 Other Troubles

### DANGER

- **ELECTRIC SHOCK! Before working on the power circuits on the primary side of the main power switch (leakage breaker), shut OFF primary power supply and check the line is dead. Also, take measures to prevent accidental charging.**

Working with primary power supply ON runs the risk of electric shock.

This section explains troubles undetected in oven self-checks and cases of misoperation which are easily mistaken as trouble. If the trouble cannot be remedied after taking the prescribed action, contact the place of purchase or ESPEC CORP.

Table 7.2 Other troubles

| Trouble  | Cause   | Remedial action  |
|--|---|--|
| The instrumentation panel does not light up after pressing the <b>POWER</b> key. | Primary power supply is OFF.                                      | Activate the primary power supply.   |
|  | The main power switch (leakage breaker) is in the OFF position.   | Set the switch in the ON position.   |
|  | Power supply phase is not correctly wired.                        | Properly connect phases. See "3.2 Power Supply Work".                                    |
| The display goes out all of sudden or the displayed information is strange.      | System trouble or internal board trouble                          | Switch the main power switch OFF and ON. If the same trouble reoccurs, call for service. |
| The door is hard to close.   | Something is caught in the door.                                  | Remove the obstruction.  |
|  | Internal pressure is high because the oven is hot on the inside.  | There is nothing wrong with the equipment. Proceed as planned.                           |
| The door is hard to open.  | Internal pressure is lower than room pressure.                    | There is nothing wrong with the equipment. Proceed as planned.                           |
| Strange odors are detected.  | Lingering odors inside the oven                                   | Clean the test area. See "6.1 Check and Maintenance Lists".                              |
|  | Specimens are generated odors.                                    | Remove the source of the odor.   |
| The viewing window is fogged up.   | Test area humidity rose as high temperatures evaporated moisture. | There is nothing wrong with the equipment. Proceed as planned.                           |

| <b>Trouble</b>  | <b>Cause</b>   | <b>Remedial action</b>  |
|---|--|---|
| Temperature is unstable.                                  | The door is open.  | Shut the door.  |
|   | The cable port is not covered.   | Reattach cap or plug (option).  |
|   | The exhaust port (oven top) is open.   | Close the port.   |
| Settings cannot be changed.                               | The keys are locked.   | Unlock the keys.<br>See "5.2 User Setup and Safety Device Options Setup". |
| Temperature heat-up rate does not satisfy specifications. | The door is open.  | Shut the door.  |
|   | Specimen heat load is high.  | Reduce the amount of specimens.   |
|   | Ambient temperature too low.   | Raise ambient temperature.  |
| Poor temperature uniformity                               | Air flow inside the oven is poor.  | Rearrange specimens so as not block air flow.                             |
|   | Specimens are generating heat.   | Reduce the amount of specimens.   |
|   | Outside air has infiltrated the system through door packing or the cable port. | Prevent air penetration.  |