**SERVICE DATA SHEET**

**Electric Range with ES 502I Electronic Oven Controls and Induction Smoothtop**

**NOTICE:** This service data sheet is intended to be used by persons having thorough and mechanical training and a sound knowledge of these subjects generally considered competent in the appliance trade. It is not intended for use by persons who are not qualified by training and experience to undertake such work. No responsibility is assumed by the writer or publisher for any liability, loss, or inconvenience that may result to any person from the possession or use of this service data sheet.

**SAFE SERVICES PRACTICES**

In the event of accidental persons or property damaged, it is important that safe working practices be observed. The following are examples, but without limitation, of such practices:

1. Before servicing any appliance, remove power source from electrical outlet, trip circuit breaker to OFF, or remove fuse.
2. Some appliances contain live circuit components even when power cord is disconnected from electrical outlet.
3. Be sure to wear the proper installation of any safety device.
4. Do not service any appliance if you are in any way inexperienced or have reason to believe that the appliance is damaged or not operating properly.
5. Electronic control boards are temperature and moisture sensitive. When handling, avoid contact with skin and eyes. When cleaning, avoid contact with water or moisture. Do not use harsh or abrasive cleaning agents. (Some boards are protected with a plastic cover.)
6. Many gas appliances are equipped with electronic ignition systems. The use of such systems is required by law in many areas to replace open pilots. When servicing a gas appliance with electronic ignition, turn off the gas supply before servicing or moving the appliance. Turn gas supply back on after the appliance is moved or serviced. The gas supply should be turned off while the appliance is being worked on or moved.

**SERVICE INFORMATION**

**INFORMATION ENSCLOSED**

**DO NOT REMOVE THIS BAG OR DESTROY THE CONTENTS**

**WIRING DIAGRAMS AND SERVICE INFORMATION ENCLOSURE**

**REPLACE CONTENTS IN BAG**

88033507 REV A (EN) (2020/03)

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### Electronic Surface Element Control System (ESEC) Error Code Descriptions

When a specific error condition occurs in the ESEC system, a code will be displayed in the electronic control panel as shown in the error notification in an induction system section.

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Error Description</th>
<th>Possible Cause or Condition</th>
<th>Suggested Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>E0-01</td>
<td>Internal error</td>
<td>1. Disconnect power, wait 30 seconds and reapply power</td>
<td>Replace the hob user interface corresponding to the error</td>
</tr>
<tr>
<td>E0-02</td>
<td>Keyboard tuning configuration error</td>
<td>1. Verify the unit has the proper cooktop user interface board based on the model number and parts catalog</td>
<td>Replace the cooktop user interface board corresponding to the error</td>
</tr>
<tr>
<td>E0-03</td>
<td>Loss of communication between top UI and ESEC</td>
<td>1. Check the MACS connection between user interface and ESEC</td>
<td>Replace the cooktop user interface board corresponding to the error</td>
</tr>
<tr>
<td>E0-06</td>
<td>Loss of communication between the Hob UI and the ESEC</td>
<td>1. Check whether the power cord is plugged into the outlet</td>
<td>Replace the Hob UI board corresponding to the error</td>
</tr>
<tr>
<td>E0-11</td>
<td>Induction power board configuration compatibility error</td>
<td>1. Check the MACS connection (communication harness) between user interface board and induction power boards</td>
<td>Replace the induction power board corresponding to the error</td>
</tr>
</tbody>
</table>

### Additional Failure Conditions

- **Symptom or Failure**: Display shows low power.
  - **Control Display**: Flashing power indicator
  - **Possible Cause or Condition**: Induction surface unit not correctly connected or surface unit open.
  - **Suggested Corrective Action**: Check the surface unit wire terminal connections. Ensure they are properly connected and tightened. Test continuity of element (should be less than 1 ohm).

- **Symptom or Failure**: Individual buttons cannot be used.
  - **Control Display**: Individually buttons cannot be used
  - **Possible Cause or Condition**: Membrane control panel defective.
  - **Suggested Corrective Action**: Replace membrane tail connections between EOC and ESEC. Replace if defective or damaged.

- **Symptom or Failure**: Distance between surface unit and glass ceramic too large.
  - **Control Display**: Distance between surface unit and glass ceramic too large.
  - **Possible Cause or Condition**: The surface unit is not properly positioned and touching the glass cooktop surface.
  - **Suggested Corrective Action**: Replace the glass cooktop surface.

- **Symptom or Failure**: Fan does not start.
  - **Control Display**: Fan does not start
  - **Possible Cause or Condition**: Check whether the power cord is plugged into the outlet. If it is, check for foreign objects or stuck fan motor.
  - **Suggested Corrective Action**: Test continuity of motor windings. Replace motor if open.

- **Symptom or Failure**: "Hot surface" indicator light is on when cooking zone is cold and indicator light does not go off.
  - **Control Display**: "Hot surface" indicator light
  - **Possible Cause or Condition**: Defective EOC. Replace EOC.
  - **Suggested Corrective Action**: Replace EOC.

- **Symptom or Failure**: No display.
  - **Control Display**: No display
  - **Possible Cause or Condition**: Defective EOC. Replace EOC.
  - **Suggested Corrective Action**: Replace EOC.