### INDICATION OF FAILURE MODE

<table>
<thead>
<tr>
<th>Digital Display</th>
<th>The Reason of Indication</th>
<th>Trouble Point</th>
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</thead>
<tbody>
<tr>
<td><strong>E01</strong></td>
<td>At pre-purge, Flame rod is sensing flame when there should be none.</td>
<td>Flame sensing circuit, grounded flame rod or pinched wire.</td>
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<tr>
<td><strong>E05</strong></td>
<td>After power is turned on, power supply to the microprocessor timing circuit is incorrect.</td>
<td>Timer clock circuit bad or power cycles (hertz) to unit above or below acceptable levels.</td>
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<tr>
<td><strong>E06</strong></td>
<td>At starting of operation, the circuit to drive photo triac of Solenoid Pump is malfunctioning.</td>
<td>Solenoid Pump control circuit has a malfunction.</td>
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<tr>
<td><strong>E08</strong></td>
<td>Revolutions per minute of Combustion blower is malfunctioning.</td>
<td>Combustion blower or Combustion blower control circuit has a malfunction.</td>
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<tr>
<td><strong>E13</strong></td>
<td>No ignition.</td>
<td>Failure of Igniter, Solenoid Pump or circuit Board. Incorrect wiring or flame rod touches to burner parts. Air pressure switch or overheat open.</td>
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<tr>
<td><strong>E14</strong></td>
<td>Flame failure.</td>
<td>There are obstacles at circulation air inlet or outlet. Fan cage is clogged with dust. Inadequate fuel supply.</td>
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<tr>
<td><strong>E15</strong></td>
<td>Power supply voltage too low.</td>
<td>Voltage too low or Power detector circuit has a malfunction.</td>
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<tr>
<td><strong>E16</strong></td>
<td>Load failure of Combustion blower motor.</td>
<td>Flue Pipe is restricting air flow.</td>
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