SELF DIAGNOSIS FUNCTIONS

SELF DIAGNOSIS FUNCTION

The units in this manual contain a self-diagnostic function. If an error occurs, the STANDBY LED will automatically begin to flash. The number of times the LED flashes translates to a probable source of the problem. A definition of the STANDBY LED flash indicators is listed in the instruction manual for the user’s knowledge and reference. If an error symptom cannot be reproduced, the remote commander can be used to review the failure occurrence data stored in memory to reveal past problems and how often these problems occur.

DIAGNOSTIC TEST INDICATORS

When an error occurs, the STANDBY LED will flash a set number of times to indicate the possible cause of the problem. If there is more than one error, the LED will identify the first of the problem areas. Result for all of the following diagnostic items are displayed on screen.

If the screen displays a “0”, no error has occurred.

<table>
<thead>
<tr>
<th>Diagnostic Item Description</th>
<th>Number of times Standby LED blinks</th>
<th>Possible Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main Power Error</td>
<td>2</td>
<td>GE3B (Power) Board (KDL-32EX600/40EX600 Only)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>GE2C (Power) Board (KDL-46EX600 Only)</td>
</tr>
<tr>
<td>Audio Error</td>
<td>3</td>
<td>A (Main) Board</td>
</tr>
<tr>
<td>Balancer</td>
<td>4</td>
<td>LCD Panel</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Inverter Board (ETC-Inverter MT Board) for 32” &amp; 40” Models</td>
</tr>
<tr>
<td>TCON Error</td>
<td>5</td>
<td>LCD Panel</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TCON Control MT Board</td>
</tr>
<tr>
<td>HFR Error</td>
<td>5</td>
<td>LCD Panel</td>
</tr>
<tr>
<td>Backlight Error</td>
<td>6</td>
<td>LCD Panel</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Inverter Board (ETC-Inverter MT Board) for 32” &amp; 40” Models</td>
</tr>
<tr>
<td>Temperature Error</td>
<td>7</td>
<td>A (Main) Board</td>
</tr>
</tbody>
</table>
SELF DIAGNOSIS FUNCTIONS

STANDBY LED FLASH COUNT

Ambient Sensor/ (IR) Infrared Receiver

Picture Off / Timer LED

Standby LED

Power LED

2 times

LED ON 0.3 sec

LED OFF 0.3 sec

5 times

LED ON 0.3 sec

LED OFF 3 sec.
VIEWING THE SELF CHECK DIAGNOSTIC LIST

For errors with symptoms such as "power sometimes shuts off" or "screen sometimes goes out" that cannot be confirmed, it is possible to bring up past occurrences of a failure for confirmation on the Self Check diagnostic screen:

1. TV must be in standby mode. (Power off).
2. Press the following buttons on the Remote Commander within a second of each other:
   - DISPLAY
   - Channel 5
   - Volume -
   - POWER

* NOTE: This differs from accessing Service Adjustments Mode (Volume +)

![Self Check Table]

001 indicates an error was detected
000 indicates no error was detected

- Panel Operation Time by Hour (max 99999)
- Boot Count (max 99999)
- Total Operation Time by Hour (max 99999)
CLEARING THE SELF CHECK DIAGNOSTIC LIST

Since the diagnostic results displayed on the screen are not automatically cleared, always check the self-diagnostic screen after you have completed the repairs to be sure you have cleared the result display to “0”.

1. Error history and Error count: Press the Channel 8 ➔ Channel 0.

2. Panel operation time: Press the Channel 7 ➔ Channel 0.

EXITING THE SELF CHECK DIAGNOSTIC SCREEN

1. To exit the Self Diagnostic screen, turn off the power to the TV by pressing the POWER button on the remote or the POWER button on the TV.
2-1. ACCESSING SERVICE ADJUSTMENT MODE

There are 2 modes that can be accessed for service. The Service Mode screen is for informational purposes and will be covered in the training manual for these models. The Factory Mode screen, is similar to 2009.

2-1-1. ACCESSING SERVICE MODE

1. TV must be in standby mode. (POWER off).
2. Press the following buttons on the Remote Commander within a second of each other:
   - DISPLAY
   - Channel 5
   - Volume +
   - POWER.

3. To exit service mode, turn the POWER off.

**NOTE:** The Service Mode information will be covered in the training manual for these models.
2-1-2. ACCESSING FACTORY MODE

1. TV must be turned On. (POWER On)
2. Press the following buttons on the Remote Commander within a second of each other:
   - MUTING
   - MUTING
   - MENU

NOTE: The Factory Mode information will be covered in the training manual for these models.

3. To exit service mode, turn the POWER off.