SELF DIAGNOSIS FUNCTIONS

Self Diagnosis Supported model

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.
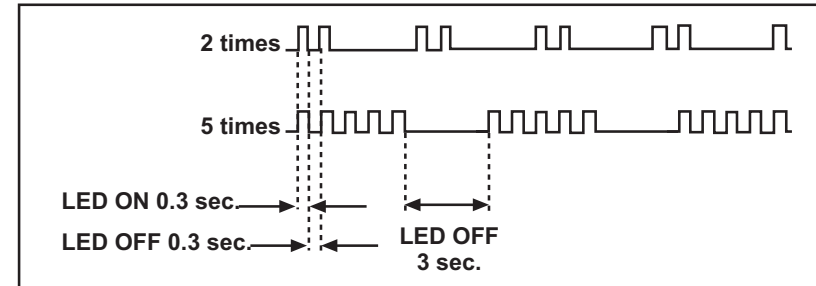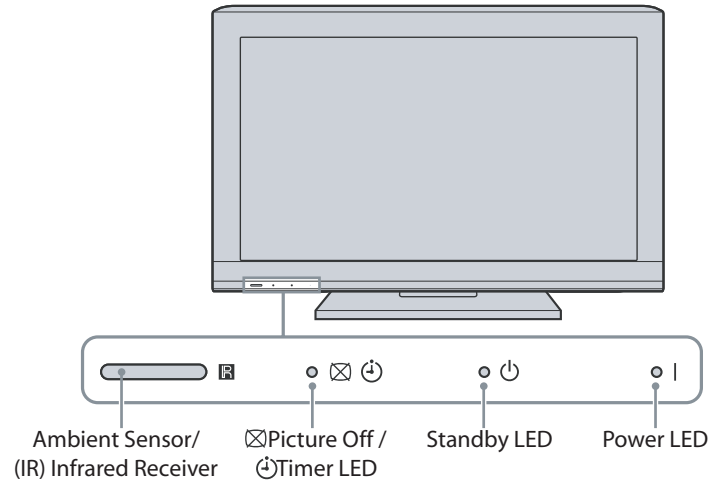
DIAGNOSTIC TEST INDICATORS

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 .

Diagnostic Item Description	Number of times Standby LED blinks	Possible Location
Main Power Error	2	GE3B (Power) Board (KDL-32EX600/40EX600 Only) GE2C (Power) Board (KDL-46EX600 Only)
Audio Error	3	A (Main) Board
Balancer	4	LCD Panel Inverter Board (ETC-Inverter MT Board) for 32" & 40" Models
TCON Error	5	LCD Panel TCON Control MT Board
HFR Error	5	LCD Panel
Backlight Error	6	LCD Panel Inverter Board (ETC-Inverter MT Board) for 32" & 40" Models
Temperature Error	7	A (Main) Board

STANDBY LED FLASH COUNT

Ambient Sensor/
(IR) Infrared Receiver

⊠Picture Off /
⏲Timer LED

Standby LED

Power LED

2 times

5 times

LED ON 0.3 sec.

LED OFF 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		
Back	**<<**	
002 MAIN_POWE	001	◄── 001 indicates an error was detected
003 AUD_PORT	000	◄── 000 indicates no error was detected
003 DC_ALERT	000	
004 BALANCER	000	
005 TCON_ERR	000	
005 HFR_ERR	000	
005 P_ID_ERR	000	
005 PANEL_POWE	000	
006 BACKLITE	000	
007 TEMP_ERR	000	
00000 00010 00000	[Menu] Exit	

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 $\boxed{8}$ ➡ Channel $\boxed{0}$.

2. Panel operation time :Press the Channel $\boxed{7}$ ➡ Channel $\boxed{0}$.

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.

SEC 2. SERVICE ADJUSTMENTS

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 .

.

POWER

DISPLAY

Onscreen cursor and select button

5

VOLUME+

RM-YD034

Service Mode		
Sound Adjust…	**>>**	
Wide Band Tuning	**>>**	
Range Scan…	**>>**	
Self daignosis history	**>>**	
Status Information…	**>>**	
LVDS Spectrum(%0)	**<[20]>**	
DPMS	**<[Off]>**	
Low of HPD	**<[5]>**	
TVD_MCDONE_CNT	**<[20]>**	
Demo Special	**>>**	
Bypass AVI Info Detect	**<[Off]>**	
Panel Selection	**<[No Define]>**	

[</>]Set [Menu] Exit

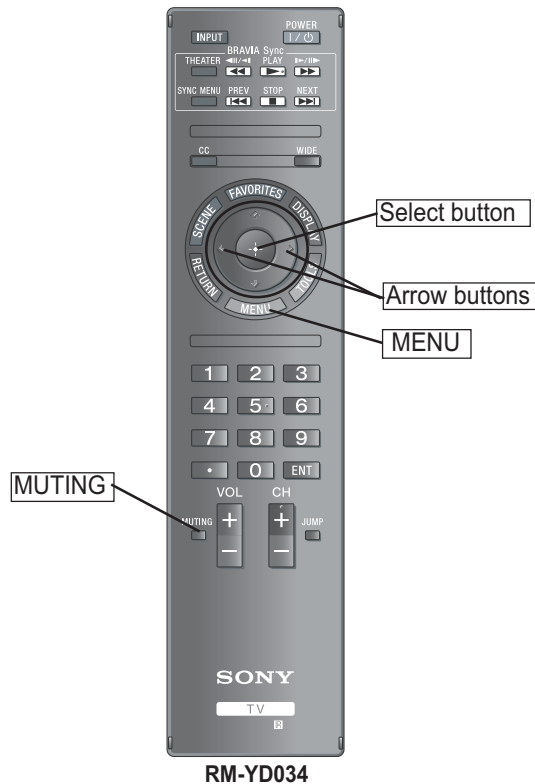**NOTE**: The Service Mode information will be covered in the training manual for these models.
3. To exit service mode, turn the POWER off.

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

Select button

Arrow buttons

MENU

MUTING

RM-YD034

Factory Mode		Off
Input Source	<[	Video 1]>
Aging Mode	<[	Off]>
Internal Pattern	<[	Off]>
EDID WP	<[	Protection]>
Site Air Channels	<[	Off]>
Site Cable Channels	<[	Off]>
White Balance	<[	Off]>
Color Temp		>>
ADC Calibration		>>
Factory Reset (limited)	<[	Off]>
Auto Phase	<[	Off]>
Factory Reset (default)	<[	Off]>

System FW	1
Model Name	KDL-40EX400
Serial number	See rear or side of TV
Picture Quality	PQ0.5000
Audio Quality	AQ1.000
MCU Version	SM1.00W00AA
Pahel Info	MT001.0000.0000?LT
EDID Version	79

[</>]Set [Menu] Exit

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

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