

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.

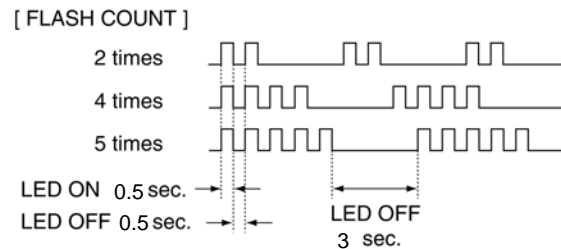
Result for all of the following diagnostic items are displayed on screen.

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

STBY LED Flash time	Service menu Item name (Screen Display)	Diagnostic Item Description
2	MAIN_POWE	Main Power Over Voltage Protection
3	DC_ALERT	DC_ALERT
	DTT_WDT	DTT Error
	AUD_PROT	Audio Abnormal Detection
4	BALANCER_	Panel Balancer Error
5	TCON_ERR	T-CON Error
	HFR_ERR	HFR Error
	P_ID_ERR	Panel ID NVM Error
6	BACKLITE_	Back Light Error (Panel Inverter)
7	TEMP_ERR	Thermal Error
	FAN_ERR	FAN Error (Not Detected. Display Only)
8	-	Not used
9	-	Not used
10	-	Not used
11	-	Not used
12	-	Not used
-	RGB_SEN	RGB Sensor ACK Error

SELF DIAGNOSIS FUNCTION

DISPLAY OF STANDBY LED FLASH COUNT



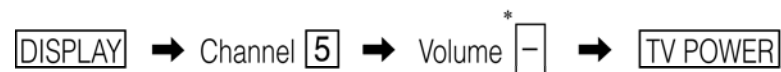
Note: One flash counts is not self-diagnostic.

SELF-DIAGNOSTIC SCREEN DISPLAY

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 failure for confirmation on the screen:

[To Bring Up Screen Test]

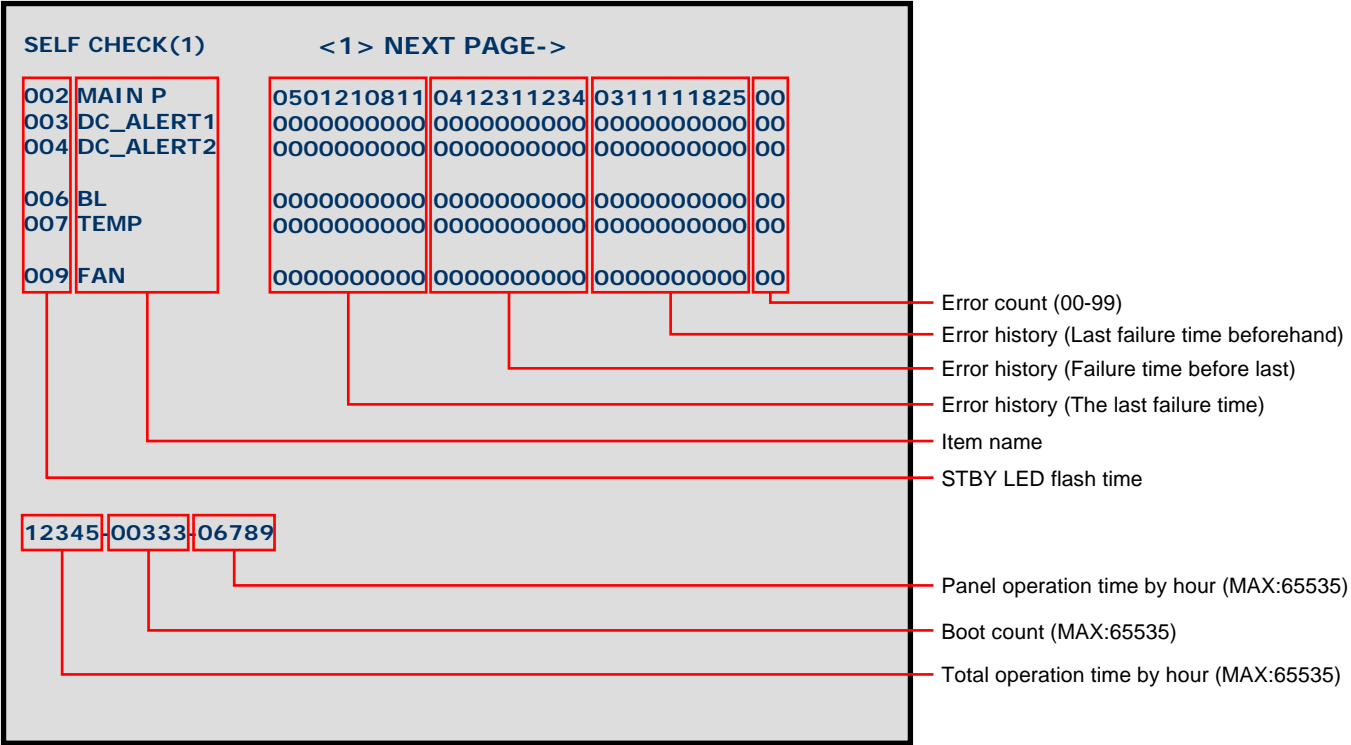
In standby mode, press buttons on the remote commander sequentially in rapid succession as shown below:



* : Note that this differs from entering the service mode (volume +)

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[SELF DIAGNOSTIC SCREEN DISPLAY]



SELF DIAGNOSIS FUNCTION

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

Clearing the Self Check Diagnostic List

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-diagnostic screen

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. ADJUSTMENT

HOW TO ENTERING SERVICE MODE

- 1) Turn on the main power switch to place this set in standby mode.
- 2) Press the buttons on the remote commander as follows, and entering service mode.

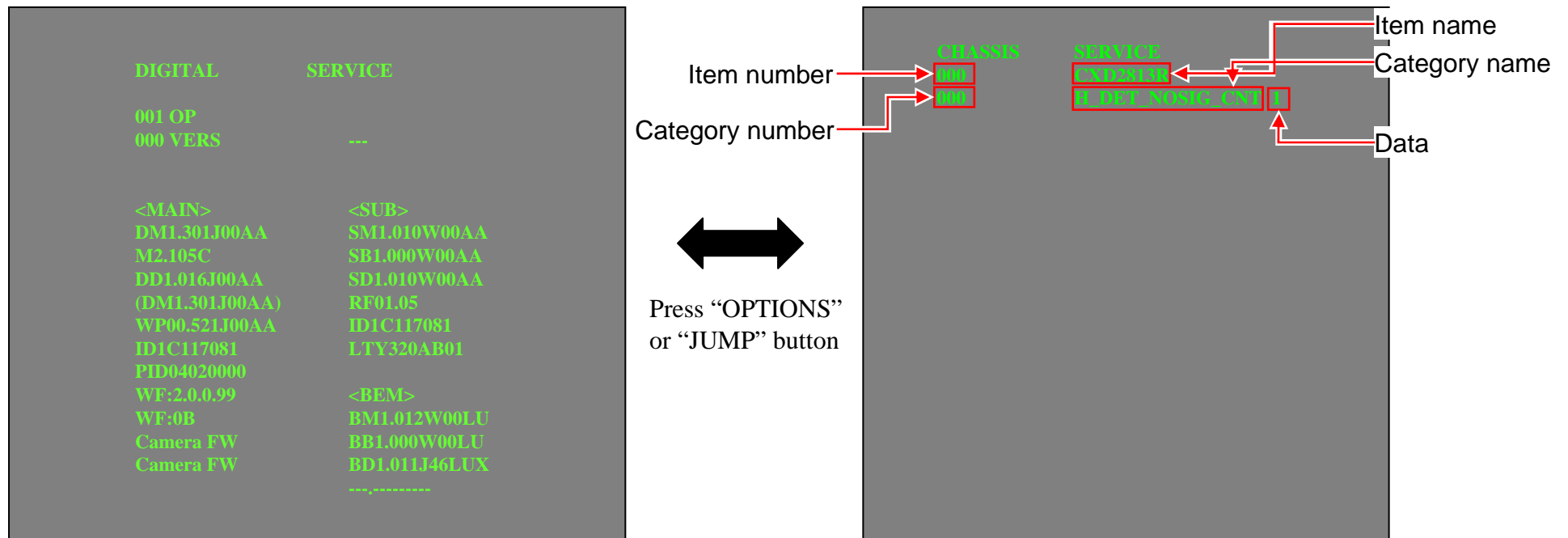
DISPLAY → Channel 5 → Volume + → TV POWER

- 3) Service mode display.

Note: First of all, when you enter Service Mode, you can see “Digital” service mode.

Whenever you press “OPTIONS” or “JUMP” on remote, each service mode is changed.

“Digital” -> “Chassis” -> “Sub”



4) How to use the remote commander.

Function	The flow of control
Service mode on	<Test>+<TV>/<Display><5><Vol Up><Power>
Service mode off	<Other> / <Power off + on>
Item up / down	<1>/<4>
Category up / down	<2>/<5>
Data up / down	<3>/<6>
Test reset	<8> + <Mute> + <0>
Read data	<9> + <0>
Execute	<10 or 0>
Write data	<Mute> + <0>
Change module	<Jump> / <Option>

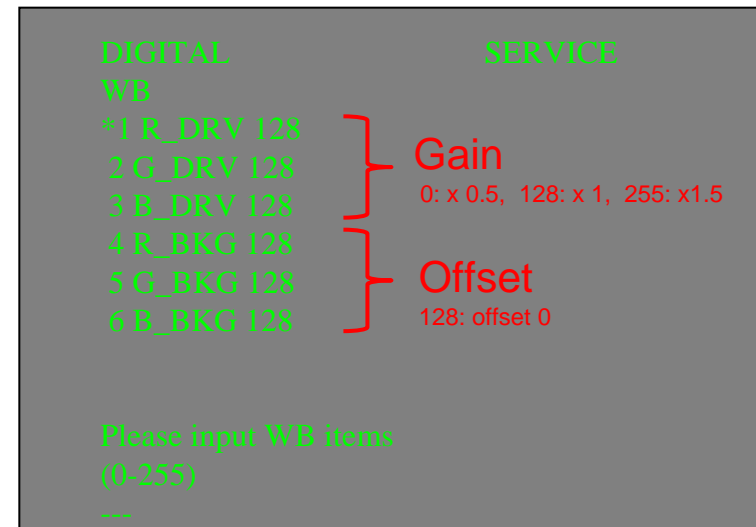
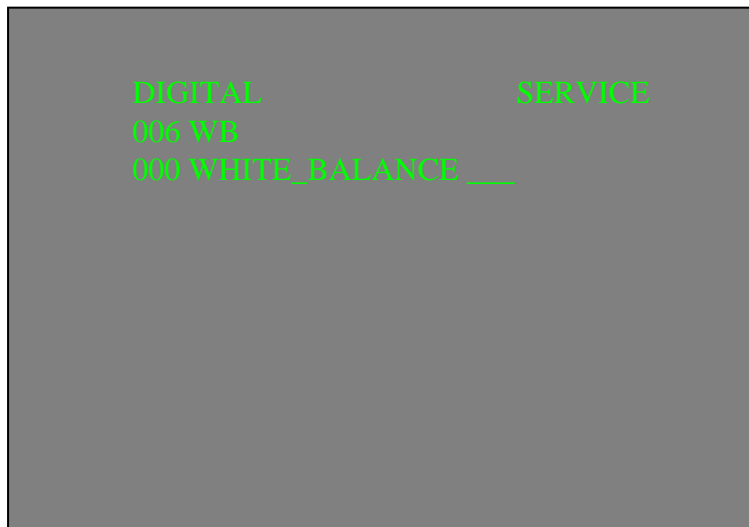
5) After entering service mode, then turn off the power switch.

WHITE BALANCE ADJUSTMENT

Note: Please execute this adjustment if necessary.

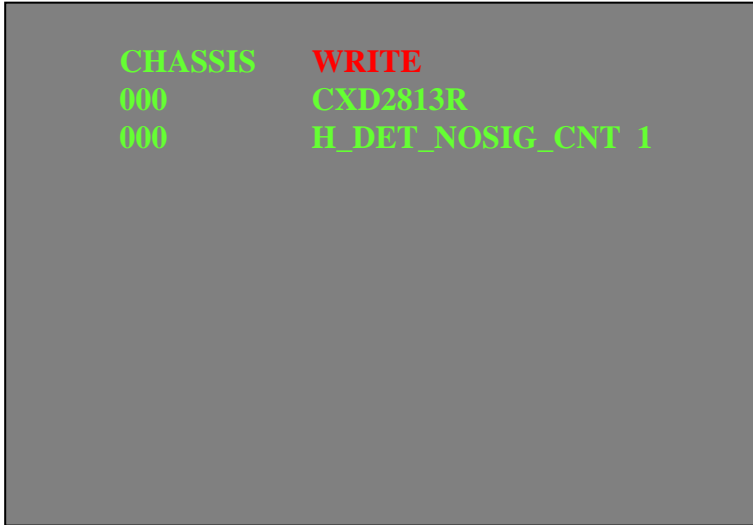
Change Data of “**Digital**” service mode. (“006 WB” category)

- a. Press “0” or “10” on remote to enter WB adjustment mode.
- b. Press number key “1”~”6” directly. “*” stamp move.
- c. Press “12 / enter / select” to decide and advance next step.
When returning on the previous page, press “return”.
- d. Change data by number key “0”~”9” directly. (0-255)
- e. Press “12 / enter / select” to save data.
It shows red “**WRITE**”. It indicate writing is processing.
- f. Writing process is done at this point.



SAVE CHANGING DATA

- 1) Change Data of “Chassis” or “Sub” service mode
- 2) Write data for “Chassis” or “Sub” service mode
 - a. Press “Mute” on remote.
It shows green “SERVICE” changes to green “WRITE”.
 - b. Press “0” or “enter” on remote. Green “WRITE” changes to red “WRITE”. It indicate writing is processing.
 - c. After a while, red “WRITE” changes to green “SERVICE”. Writing process is done at this point.
- 3) TV reboot is necessary for applying data change.

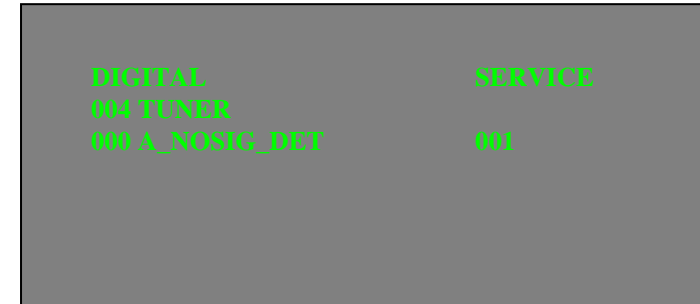


CHASSIS WRITE
000 CXD2813R
000 H_DET_NOSIG_CNT 1

CHANGE DATA

Note: “Digital” service mode don’t have to Save. (except “002 MODEL” category)

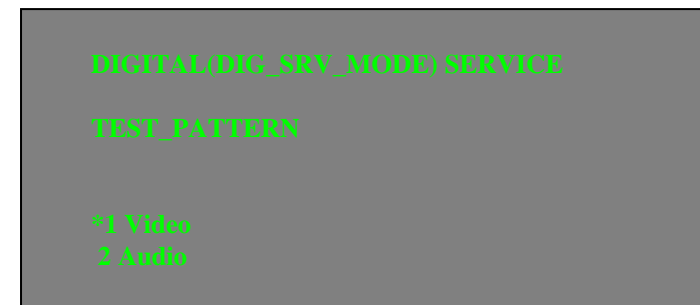
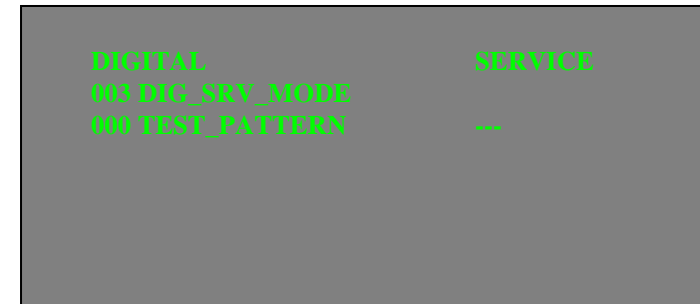
- 1) Change Data of “**Digital**” service mode. (except “003 DIG_SRV_MODE” category)
 - a. Press “2 / 5” on remote to select (up / down) category.
 - b. Press “1 / 4” on remote to select (up / down) Item.
 - c. Press “0 / 10” on remote to select item.



- 2) Change Data of “**Digital**” service mode. (“003 DIG_SRV_MODE” category)
“003 DIG_SRV_MODE” is one category of “Digital” service mode.

Please note because this operation is special.

- a. Press “2 / 5” on remote to select “003 DIG_SRV_MODE”.
- b. Press “1 / 4” on remote to select (up / down) Item.
- c. Press “0 / 10” on remote to select item.
- d. Press number key “1”~”9” directly. “*” stamp move.
- e. Press “12 / enter / select” to decide and advance next step. Press “return”, when returning on the previous page.



3) Write data for **“Digital”** service mode. (**“002 MODEL”** category)

Note: This procedure operation, when replaced the B board.

Note: Do not write a wrong segment or destination information in Product ID.

When the wrong setting is written, TV may not operate.

000 SEG . . . Product ID - segment information

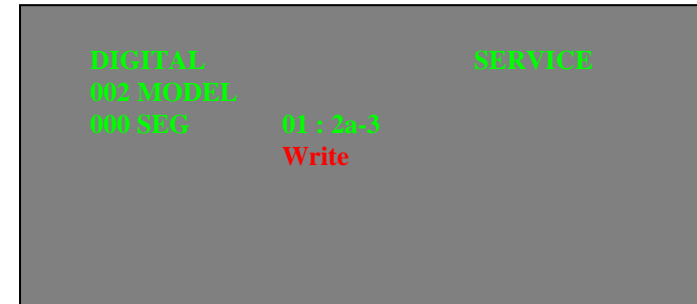
001 DEST . . . Product ID – destination information

a. Change data for each model.

b. Press “0” or “enter” on remote.

It shows red **“WRITE”**. It indicate writing is processing.

c. Writing process is done at this point.



SET TO SHIPPING CONDITION

How to do shipping condition.

- a. Move to **“Digital”** service mode.

Press “8” on remote.

It shows green **“SERVICE”** changes to green **“RST-”**.

Press “mute” on remote.

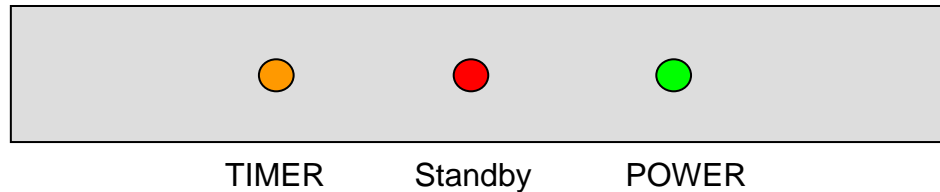
Added green **“EXE”** after green **“RST-”** .

- d. Press “0” or “enter” on remote. Green **“EXE-RST”** changes to red **“EXE-RST”**. It indicate writing is processing.

After a while, red **“EXE-RST”** changes to green **“SERVICE”**.

And all LED lights.

Writing process is done at this point.



<Another way>

You can set to shipping condition w/o entering Service Mode.

-> “Cursor Up” on remote + “Power Key” on Front panel.