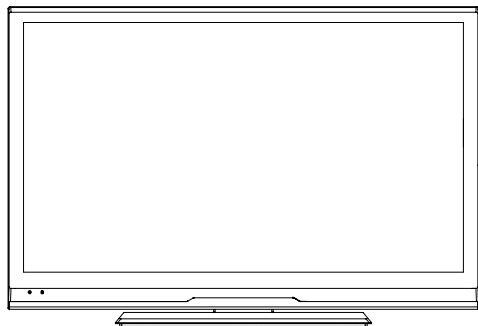


# SHARP SERVICE MANUAL

No. S62X332LE244E



## LCD COLOUR TELEVISION

# MODEL LC-32LE244E

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

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### Parts Guide

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

## SAFETY PRECAUTION

### IMPORTANT SERVICE SAFETY PRECAUTION

- Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and the servicing guidelines which follow:

#### ■ WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.

#### CAUTION:

FOR CONTINUED PROTECTION AGAINST A RISK OF FIRE REPLACE ONLY WITH SAME TYPE FUSE.

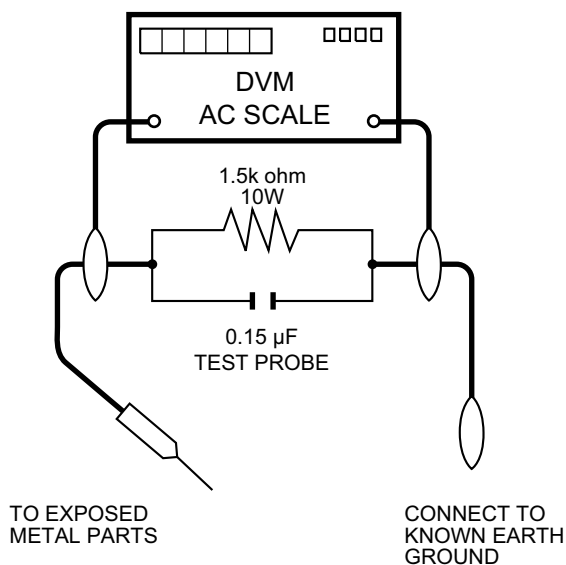
F7001(5A/250V) : LC-60/70LE740E/RU,741E/S,743E  
 LC-60LE840E/RU,841E/S,843E  
 F7003(6.3A/250V) : LC-80LE645E/RU,646E/S,648E

#### ■ BEFORE RETURNING THE RECEIVER (Fire & Shock Hazard)

Before returning the receiver to the user, perform the following safety checks:

3. Inspect all lead dress to make certain that leads are not pinched, and check that hardware is not lodged between the chassis and other metal parts in the receiver.
4. Inspect all protective devices such as non-metallic control knobs, insulation materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
5. To be sure that no shock hazard exists, check for leakage current in the following manner:
  - Plug the AC cord directly into a 220~240 volt AC outlet.
  - Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15 $\mu$ F capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to an earth ground.

- Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity or measure the AC voltage drop across the resistor.
- Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.  
 All checks must be repeated with the AC cord plug connection reversed. (If necessary, a nonpolarized adaptor plug must be used only for the purpose of completing these checks.)  
 Any reading of 1.05 V peak (this corresponds to 0.7 mA peak AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the monitor to the owner.



#### SAFETY NOTICE

Many electrical and mechanical parts in LCD color television have special safety-related characteristics.

These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc.

Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by “” and shaded areas in the Replacement Parts List and Schematic Diagrams.

For continued protection, replacement parts must be identical to those used in the original circuit.

The use of a substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire or other hazards.

## Precautions for using lead-free solder

### ■Employing lead-free solder

- “PWBs” of this model employs lead-free solder. The LF symbol indicates lead-free solder, and is attached on the PWBs and service manuals. The alphabetical character following LF shows the type of lead-free solder.

Example:

**LF**a

Sn-Ag-Cu

Indicates lead-free solder of tin, silver and copper.

**LF**a/a

Sn-Ag-Cu

Indicates lead-free solder of tin, silver and copper.

### ■Using lead-free wire solder

- When fixing the PWB soldered with the lead-free solder, apply lead-free wire solder. Repairing with conventional lead wire solder may cause damage or accident due to cracks.

As the melting point of lead-free solder (Sn-Ag-Cu) is higher than the lead wire solder by 40 °C, we recommend you to use a dedicated soldering bit, if you are not familiar with how to obtain lead-free wire solder or soldering bit, contact our service station or service branch in your area.

### ■Soldering

- As the melting point of lead-free solder (Sn-Ag-Cu) is about 220 °C which is higher than the conventional lead solder by 40 °C, and as it has poor solder wettability, you may be apt to keep the soldering bit in contact with the PWB for extended period of time. However, Since the land may be peeled off or the maximum heat-resistance temperature of parts may be exceeded, remove the bit from the PWB as soon as you confirm the steady soldering condition.

Lead-free solder contains more tin, and the end of the soldering bit may be easily corroded. Make sure to turn on and off the power of the bit as required.

If a different type of solder stays on the tip of the soldering bit, it is alloyed with lead-free solder. Clean the bit after every use of it.

When the tip of the soldering bit is blackened during use, file it with steel wool or fine sandpaper.

- Be careful when replacing parts with polarity indication on the PWB silk.

Lead-free wire solder for servicing

| Part No.      | ★ | Description         | Code |
|---------------|---|---------------------|------|
| ZHNDai123250E | J | φ0.3mm 250g (1roll) | BL   |
| ZHNDai126500E | J | φ0.6mm 500g (1roll) | BK   |
| ZHNDai12801KE | J | φ1.0mm 1kg (1roll)  | BM   |

## End of life disposal



Attention: Your product is marked with this symbol. It means that used electrical and electronic products should not be mixed with general household waste. There is a separate collection system for these products.

### A. Information on Disposal for Users (private households)

#### 1. In the European Union

Attention: If you want to dispose of this equipment, please do not use the ordinary dust bin!

Used electrical and electronic equipment must be treated separately and in accordance with legislation that requires proper treatment, recovery and recycling of used electrical and electronic equipment.

Following the implementation by member states, private households within the EU states may return their used electrical and electronic equipment to designated collection facilities free of charge\*. In some countries\* your local retailer may also take back your old product free of charge if you purchase a similar new one.

\*) Please contact your local authority for further details.

If your used electrical or electronic equipment has batteries or accumulators, please dispose of these separately beforehand according to local requirements.

By disposing of this product correctly you will help ensure that the waste undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health which could otherwise arise due to inappropriate waste handling.

#### 2. In other Countries outside the EU

If you wish to discard this product, please contact your local authorities and ask for the correct method of disposal.

For Switzerland: Used electrical or electronic equipment can be returned free of charge to the dealer, even if you don't purchase a new product. Further collection facilities are listed on the homepage of [www.swico.ch](http://www.swico.ch) or [www.sens.ch](http://www.sens.ch).

### B. Information on Disposal for Business Users

#### 1. In the European Union

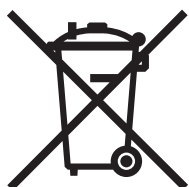
If the product is used for business purposes and you want to discard it:

Please contact your SHARP dealer who will inform you about the take-back of the product. You might be charged for the costs arising from take-back and recycling. Small products (and small amounts) might be taken back by your local collection facilities.

For Spain: Please contact the established collection system or your local authority for take-back of your used products.

#### 2. In other Countries outside the EU

If you wish to discard of this product, please contact your local authorities and ask for the correct method of disposal.



For EU: The crossed-out wheeled bin implies that used batteries should not be put to the general household waste! There is a separate collection system for used batteries, to allow proper treatment and recycling in accordance with legislation. Please contact your local authority for details on the collection and recycling schemes.

For Switzerland: The used battery is to be returned to the selling point.

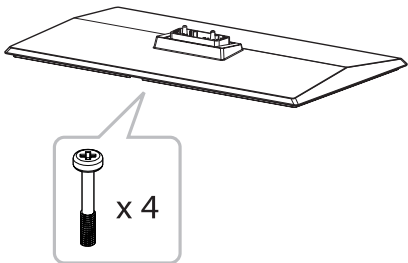
For other non-EU countries: Please contact your local authority for correct method of disposal of the used battery.

CHAPTER 1. OPERATION MANUAL

[1] OPERATION MANUAL

Supplied accessories

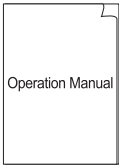
Stand unit and screws



Remote Control (x1)



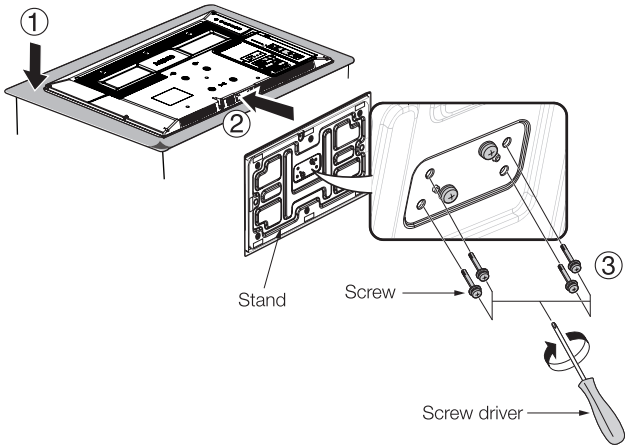
Operation Manual



R03 ("AAA" size) battery (x2)



Mount the TV base



1. Put the TV with its face down on a safe surface covered by a soft and smooth cloth.
2. Adjust the TV base to the bottom of the TV. Please be sure the arrow heads are facing front.
3. Fasten the screws by using a cross-head screwdriver (not supplied).

NOTE

- To detach the TV stand, do these steps in reverse order.

Mounting the TV on a wall

- **This TV should be mounted on a wall only with a SHARP wall mount bracket. The use of other wall mount brackets may result in an unstable installation and may cause serious injuries.**
- **Mounting the LCD colour TV requires special skills and should only be performed by qualified service personnel. Customers should not attempt to do the work themselves. SHARP bears no responsibility for improper mounting or mounting that results in accident or injury.**
- You can ask qualified service personnel about using an optional bracket to mount the TV to a wall.
- When you mount the TV on a wall, you should attach the supporting post.
- Detach the cable tie on the rear of the TV when using the optional mount bracket.
- Optional accessory: AN-130AG1

| Part name          | Part number |
|--------------------|-------------|
| Wall mount bracket | AN-130AG1   |

## Remote control unit

### (POWER)

Press to turn the LCD TV on or to enter standby mode.

### (INPUT SOURCE)

Press to select an input source.

### 0-9 DIGIT BUTTONS

Press to select a TV channel directly.

### EPG (Electronic Programme Guide)

Press to display electronic programme guide when watching digital channels.

### DTV/ATV

Press to switch between ATV and DTV channels.

### (+/-)

Press to adjust the volume.

### 

Press to toggle audio on and off. You can also press  (+/-) to restore the previous volume level.

### (Wide mode)

Press to select picture formats.

### P (^ / v)

Press to select programme channel.

### ODI/II

Press to select **MONO / STEREO / DUAL I / DUAL II** for ATV channel. Press to select Audio language for DTV channel.

### (RETURN)

Press to return to the previous "Menu" screen.

### 

Press to navigate and confirm your selection.

### OK

Press to activate a setting.

### MENU

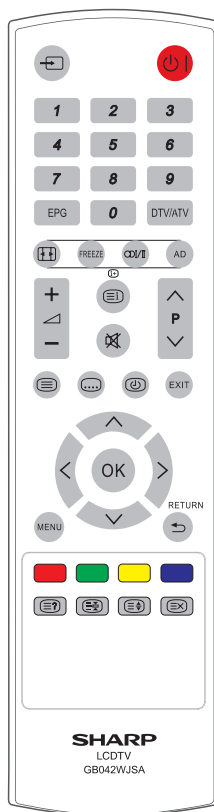
Press to activate the LCD TV OSD.

### EXIT

Press to exit the LCD TV OSD or return to the previous layer.

### R/G/Y/B (Colour Button)

Press to select the pictures with various colours of text. Different channels display different functions.



### (HOLD)

Press to stop the scrolling of pages. The text decoder stops receiving data.

### (REVEAL)

Reveal hidden information such as answers to a quiz.

### FREEZE

Press to freeze a moving image on the screen (only available when your input source is TV). The SCART output signal will also be frozen when you are watching digital channels.

**Caution:** Do not freeze the video image for long periods of time, as this may damage the LCD TV screen.

### 

Press to cancel the teletext screen.

### 

Press to display the Time screen.

### (TELETEXT)

Press to activate Teletext. Press again to activate Teletext with TV. Press again to turn off Teletext.

### AD (Audio Description)

Press to switch the Audio Description On or Off.

### (SUBTITLE)

For DTV, press to toggle off / between available subtitle languages. For ATV, press to toggle off / between available subtitle pages in Teletext.

### (Top/Bottom/Full)

Press to change the font size: Full screen, Top half, and Bottom half.

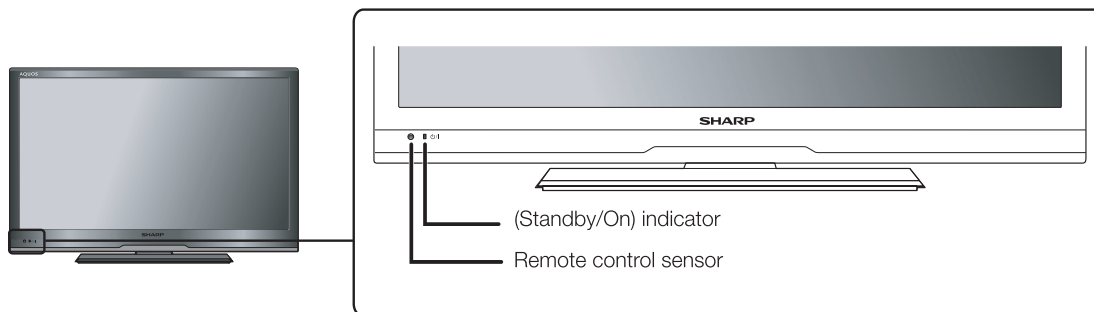
### (INDEX)

Press to return to page 100 or the index page; and then press 0 to 9. The teletext page will be numbered and added to the page you select or the secondary item.

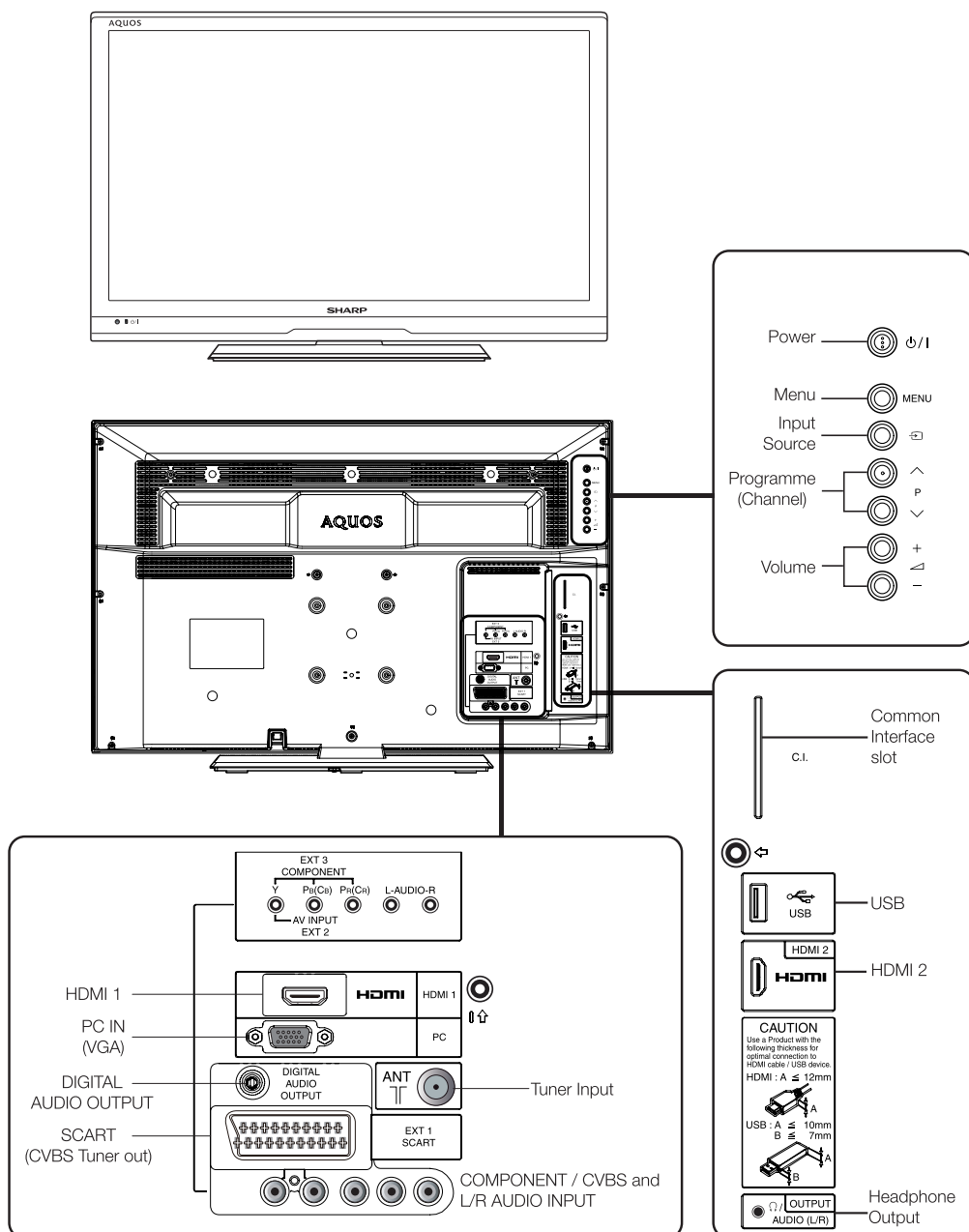
### 

Press to display programme information, if available.

## TV (Front view)



## TV (Rear view)



## CHAPTER 2. Precaution when you open back cabinet

### [1] Precaution when you open back cabinet

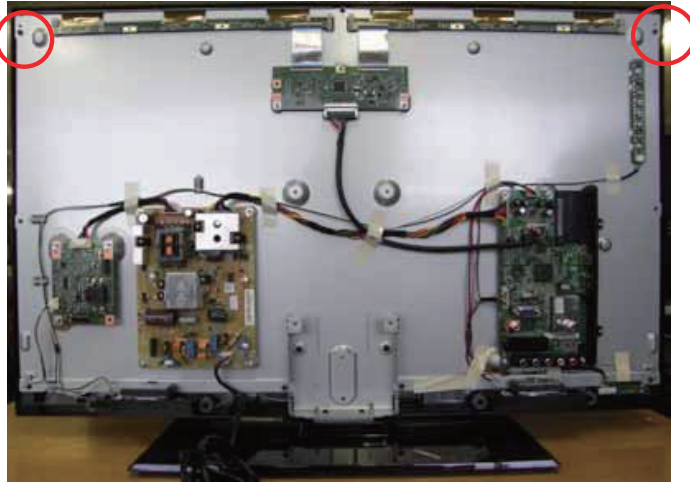
#### 1. Do not set up TV without back cabinet.

If you'd like to do it, please screw the following two points before set it up absolutely.

Or it is at risk of giving damage to SOF. Please handle it with care.

And screw part number is XEBS730P06000. You need to order it firstly.

If In case you use original screw (XEBS830P08000), there is a possibility of giving damage to panel.

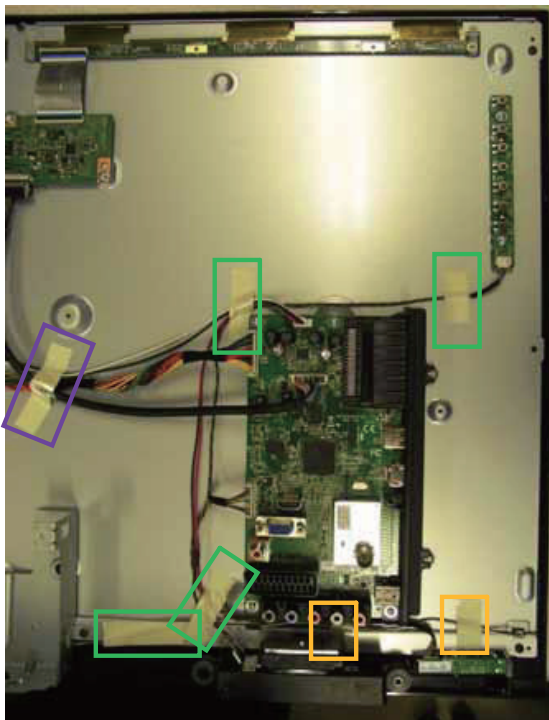


#### 2. Please surely return WIRE FORMING, WH and TAPING to original position when you remove wire for exchange PWB or exchange whole module and so on.

If in this occasion occurs, please refer to the following explanation and put everything back into place.

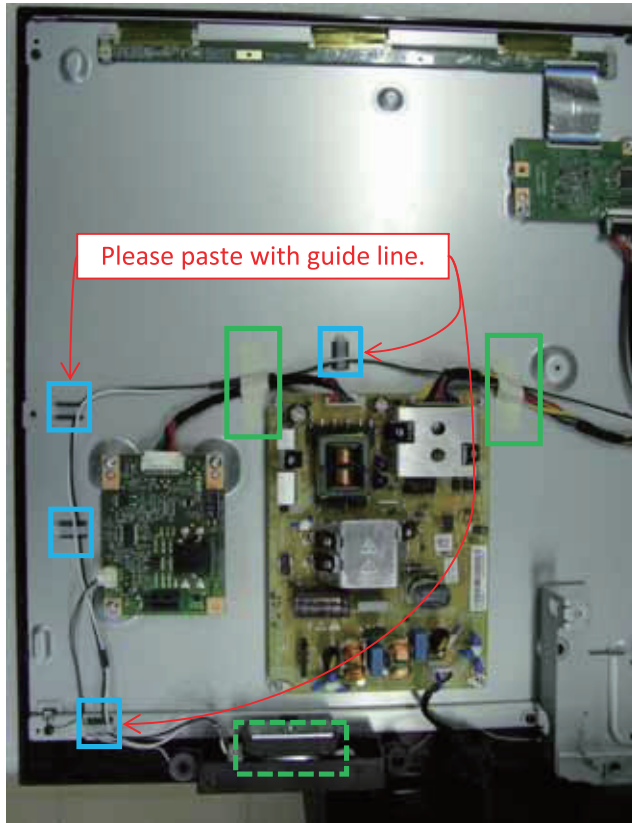
##### 2-1.WH and Taping location

<Right side>



|                                                                                     |               |    |
|-------------------------------------------------------------------------------------|---------------|----|
|  | ZTAPEP179030E | X2 |
|  | ZTAPEP179050E | X4 |
|  | ZTAPEP179070E | X1 |

&lt;Left side&gt;

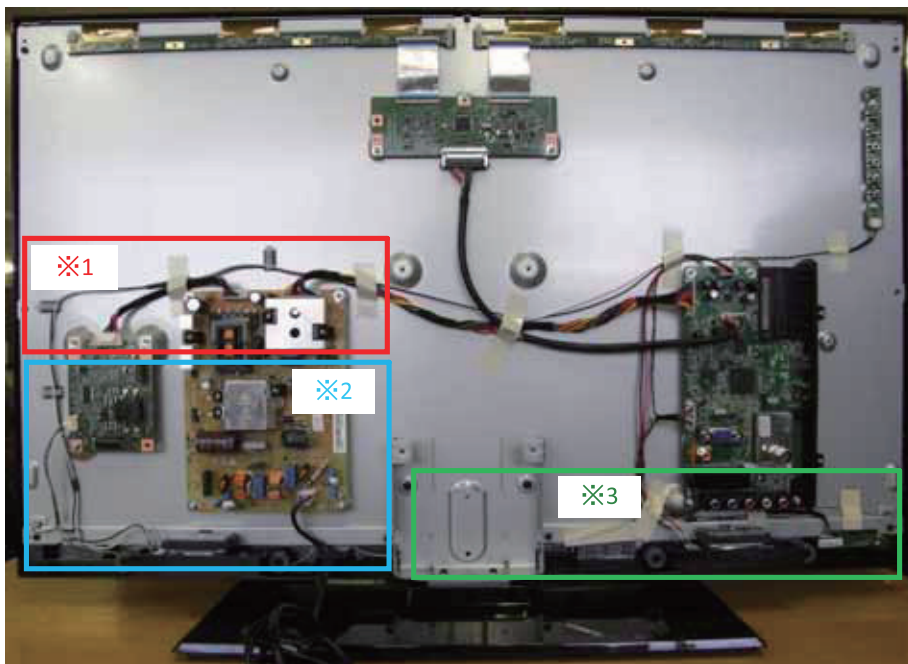


|                                                              |               |    |
|--------------------------------------------------------------|---------------|----|
| <span style="border: 1px solid blue; padding: 2px;"> </span> | LHLDWA294WJUZ | X4 |
|--------------------------------------------------------------|---------------|----|

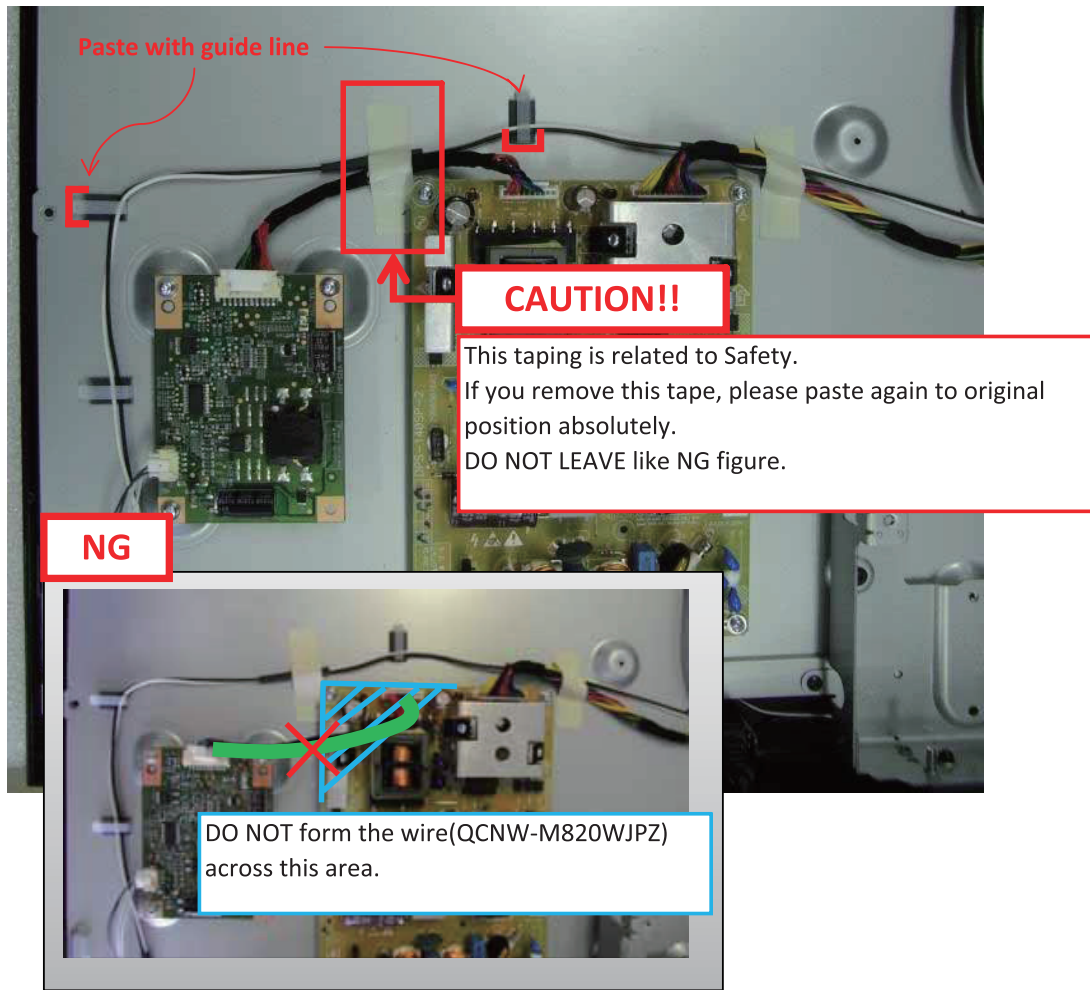
|                                                               |               |    |
|---------------------------------------------------------------|---------------|----|
| <span style="border: 1px solid green; padding: 2px;"> </span> | ZTAPEP179050E | X2 |
|---------------------------------------------------------------|---------------|----|

## 2-2. Details information related to wire forming

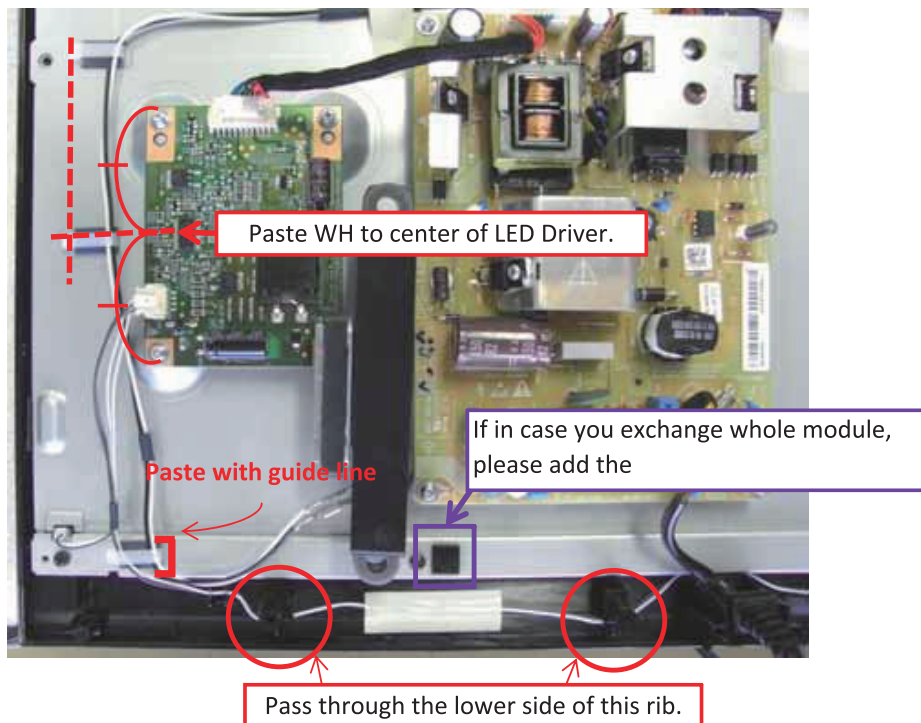
&lt; Overall view&gt;



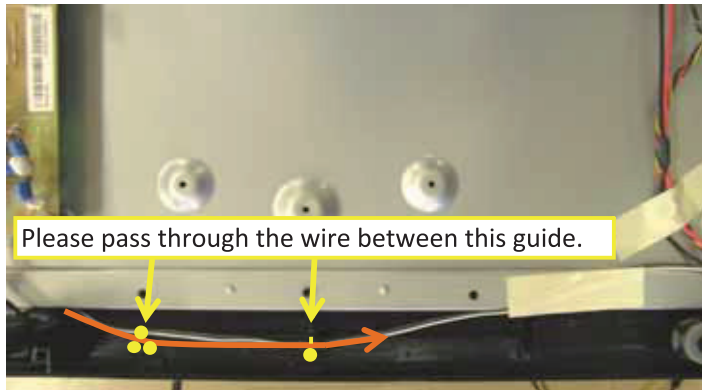
※1 Wire forming for Red area



※2 Wire forming for blue area



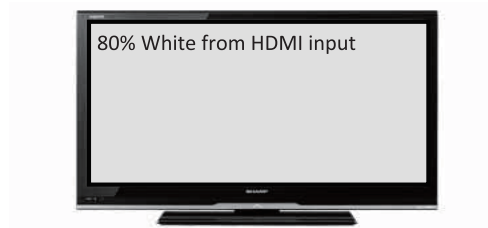
※3 Wire forming for green area



## CHAPTER 3. The WB Adjustment Method

### [1] The WB Adjustment Method

1 Input 80% White pattern from HDMI



2 Use color analyzer to adjust x and y value. for example CA-210



3 Set the color analyzer's probe to the center position of screen.



4 Enter the adjustment mode in TV. Prepare Remote controller  
The procedure is as below

WIDE → Red → Green → Blue → Yellow → **Input**

\*Blue character : Use Remote controller

\*Red Character : Use Key

Then, OSD shows in screen (Factory menu) and change page 1 to 2 by RC



5 Change R,G and B value to adjust WB

Firstly, serviceman adjusts the "COOL" temperature

After finished the adjustment ,

Continue to adjust the "MEDIUM" and "WARM" by same procedure.



The specification of x and y value is as below

|            | Cool / (12000°K)  | Warm/ (6500°K)    | Medium/ (9000°K)  |
|------------|-------------------|-------------------|-------------------|
| x (center) | $0.272 \pm 0.005$ | $0.314 \pm 0.010$ | $0.289 \pm 0.010$ |
| y (center) | $0.277 \pm 0.005$ | $0.319 \pm 0.010$ | $0.291 \pm 0.010$ |

6 After finished all color temp adjustment, push "Exit" key.

## *The Panel Type Changing Method (only for 32LE244E)*

- 1 All the repair, such as replacement of a main board, is completed.
- 2 Need to make a dat file and the name is "Model\_Setting\_LE244.dat"  
\*make the dat file from txt file



- 3 Move the dat file to USB memory.
- 4 Insert it into a USB slot.



- 5 The panel change procedure is as below

Plug in the AC cord (AC power on) with INPUT and VOL-down key

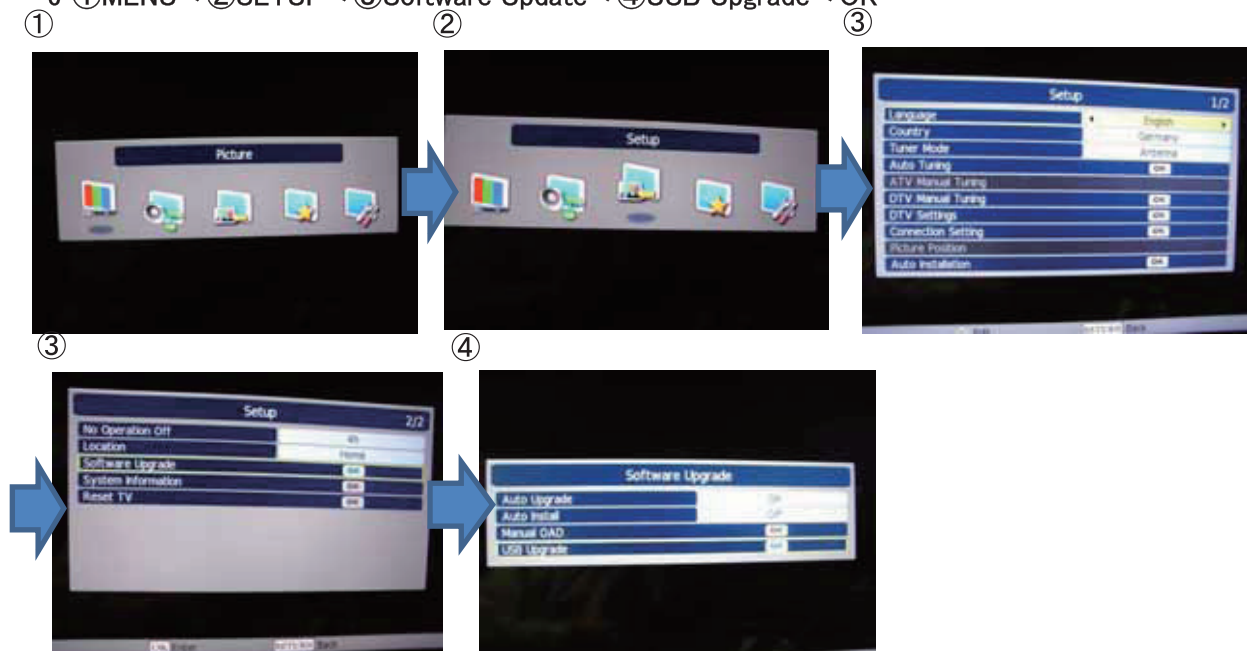
\*Note: before Power Indicator LED light GREEN, please hold pushing INPUT and VOL-down key  
AC power on → LED RED → LED GREEN → LED BLINKING (RED ↔ GREEN)

After finished the panel setting, the LED keep GREEN.

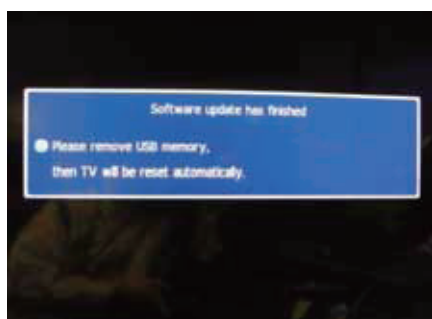
- 6 Eject USB from a slot and AC power off

## The Software Update Method

- 1 All the repair, such as replacement of a main board, is completed.
- 2 Prepare USB memory and new SW
- 3 Move the new SW(bin file) to USB memory.
- 4 Insert it into a USB slot.
- 5 Turn on the TV
- 6 ①MENU→②SETUP→③Software Update→④USB Upgrade→OK



Then, TV start SW update and after finished it



- 7 Eject USB memory from a USB slot and TV will be reset automatically.

|            | Cool / (12000°K) | Warm/ (6500°K) | Medium/ (9000°K) |
|------------|------------------|----------------|------------------|
| x (center) | 0.272 ± 0.005    | 0.314 ± 0.010  | 0.289 ± 0.010    |
| y (center) | 0.277 ± 0.005    | 0.319 ± 0.010  | 0.291 ± 0.010    |

## CHAPTER 4. Hotel Mode

### [1] Hotel Mode

#### LC-LE244/144 Hotel mode specification

| Menu Page | Item No. | Function                                                                                                                                                                                                                                                | Off                                                               | On                                               | Default |
|-----------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------|---------|
| 1         | 1        | <b>Hotel Mode On/Off</b>                                                                                                                                                                                                                                | Hotel Mode Off                                                    | Hotel Mode On                                    | Off     |
|           | 2        | <b>Button Control Lock</b><br>Disable TV Front/Side buttons                                                                                                                                                                                             | All keys work normally                                            | All keys are disabled                            | Off     |
|           | 3        | <b>Button Lock W/O input selector keys.</b><br>Disable TV Front/Side buttons except for input select key                                                                                                                                                | All keys work normally                                            | All keys are disabled except for input           | Off     |
|           | 4        | <b>Disable remote control</b><br>(In Service Mode, not disabled)                                                                                                                                                                                        | Remote control works normally                                     | Disabled remote control                          | Off     |
|           | 5        | <b>Disable Setup Menu</b>                                                                                                                                                                                                                               | Setup menu is normally displayed                                  | Setup menu is disabled                           | Off     |
|           | 6        | <b>Setup Menu W/O Lang.</b><br>Disable setup menu except for language setting<br>*Only language setting is available in Setup menu                                                                                                                      | Setup menu is normally displayed                                  | Only language setting is displayed in setup menu | Off     |
|           | 7        | <b>Max volume setting</b><br>Limit range of maximum volume control                                                                                                                                                                                      | 0 ~ 100 [dec]                                                     |                                                  | 100     |
|           | 8        | <b>Digital Tuner</b><br>DTV source selection depends on Digital Tuner setting                                                                                                                                                                           | Digital TV is disabled                                            | Digital TV works normally                        | On      |
|           | 9        | <b>USB Port</b><br>USB source selection depends on USB port setting                                                                                                                                                                                     | Hide USB in inputs menu                                           | USB source works normally                        | On      |
|           | 10       | <b>TV to USB</b><br>Save the data of TV settings to USB memory (includes user settings, hotel mode settings and channel tables)                                                                                                                         | Select YES and then press OK to save the data to USB memory       |                                                  | NO      |
|           | 11       | <b>USB to TV</b><br>Load the data of TV settings in USB memory to TV (includes user settings, the hotel mode settings and channel tables)                                                                                                               | Select YES and then press OK to load the data in USB memory to TV |                                                  | NO      |
|           | 12       | <b>Disable NIT Update</b><br>Disable channel list updated by NIT (this function is for disable NIT update, only if the country is set to France)                                                                                                        | Channel list is able to be updated by NIT                         | Disable channel list updated by NIT              | Off     |
| 2         |          | <b>Fixed Pos/Video</b><br>Turn the TV on by power button on the remote/side key, then display goes to fixed POS/Video                                                                                                                                   | Last memory                                                       | Fixed pos/video set                              | Off     |
|           | 1        | <b>ATV: 1~99[dec], SCART, AV, YPbPr, HDMI1, HDMI2, PC, DTV: 1~N[dec](depends on channel auto</b><br>Input sources selection for fixed Pos/Video setting                                                                                                 |                                                                   |                                                  | 1 (ATV) |
|           | 2        | <b>Fixed Volume</b><br>Turn the TV on by power button on the remote/side key, then volume is set to the forced level<br><b>0 ~ 100 [dec]</b><br>Power on volume level for fixed volume setting                                                          | Last memory                                                       | Fixed volume set                                 | Off     |
|           | 3        | <b>Fixed Picture Mode</b><br>Turn the TV on by power button on the remote/side key, then the fixed picture mode is set to the forced selection<br><b>Dynamic, Standard, Soft, Movie, Memory</b><br>Power on picture mode for fixed picture mode setting | Last memory                                                       | Fixed picture mode set                           | Off     |
|           | 4        | <b>Welcome message</b><br>Turn the TV on by power button on the remote/side key, then a message is displayed.<br><b>Default, 8 Sec., 15 Sec.</b><br>Display period(5 Sec., 8 Sec., 15 Sec.) of a message for welcome message setting                    | Normal case                                                       | "WELCOME TO OUR HOTEL" is displayed              | Off     |
|           | 5        | <b>Teletext</b><br>Teletext functions depend on Teletext setting                                                                                                                                                                                        | Disable Teletext functions and operations                         | Teletext works normally                          | On      |
|           | 6        | <b>ATV/DTV P+/P-</b><br>Enable switching TV programs by P+/P- between ATV and DTV                                                                                                                                                                       | CH up/down by P+/P- in current TV source                          | CH up/down by P+/P- between ATV and DTV          | Off     |
|           | 7        | <b>Reset menu</b><br>Set to default of all setting in Hotel mode menu                                                                                                                                                                                   | Select YES and then press OK to load default hotel settings       |                                                  | NO      |

Operations procedure to enter hotel mode menu:

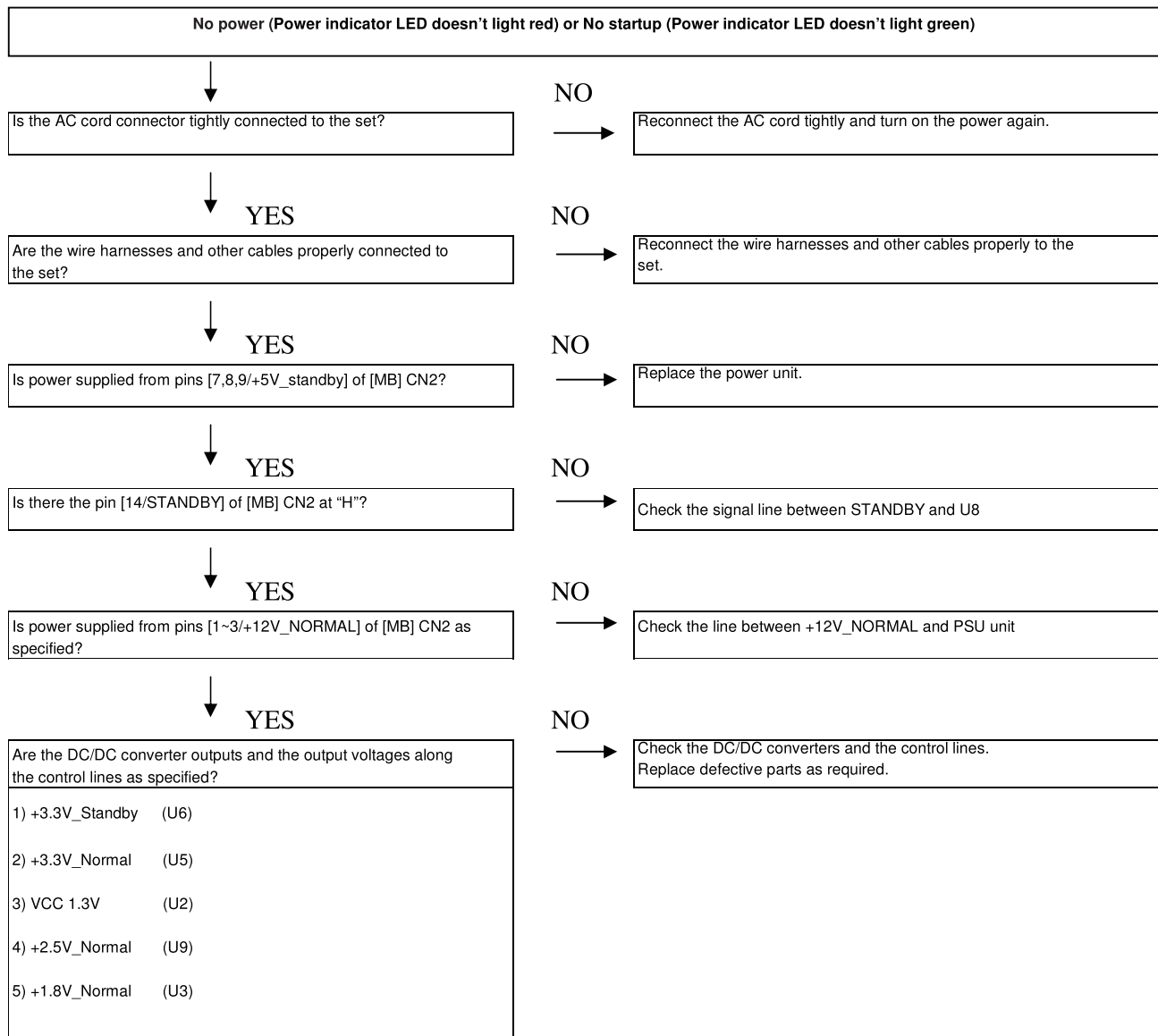
- 1 Press  to show wide mode control menu
- 2 Press "UP" button on the remote
- 3 Within 2 Sec., press "DOWN" button on the remote and hold the button down more than 6 seconds
- 4 Press "INPUT" button on the side keypad, then hotel mode menu will appear

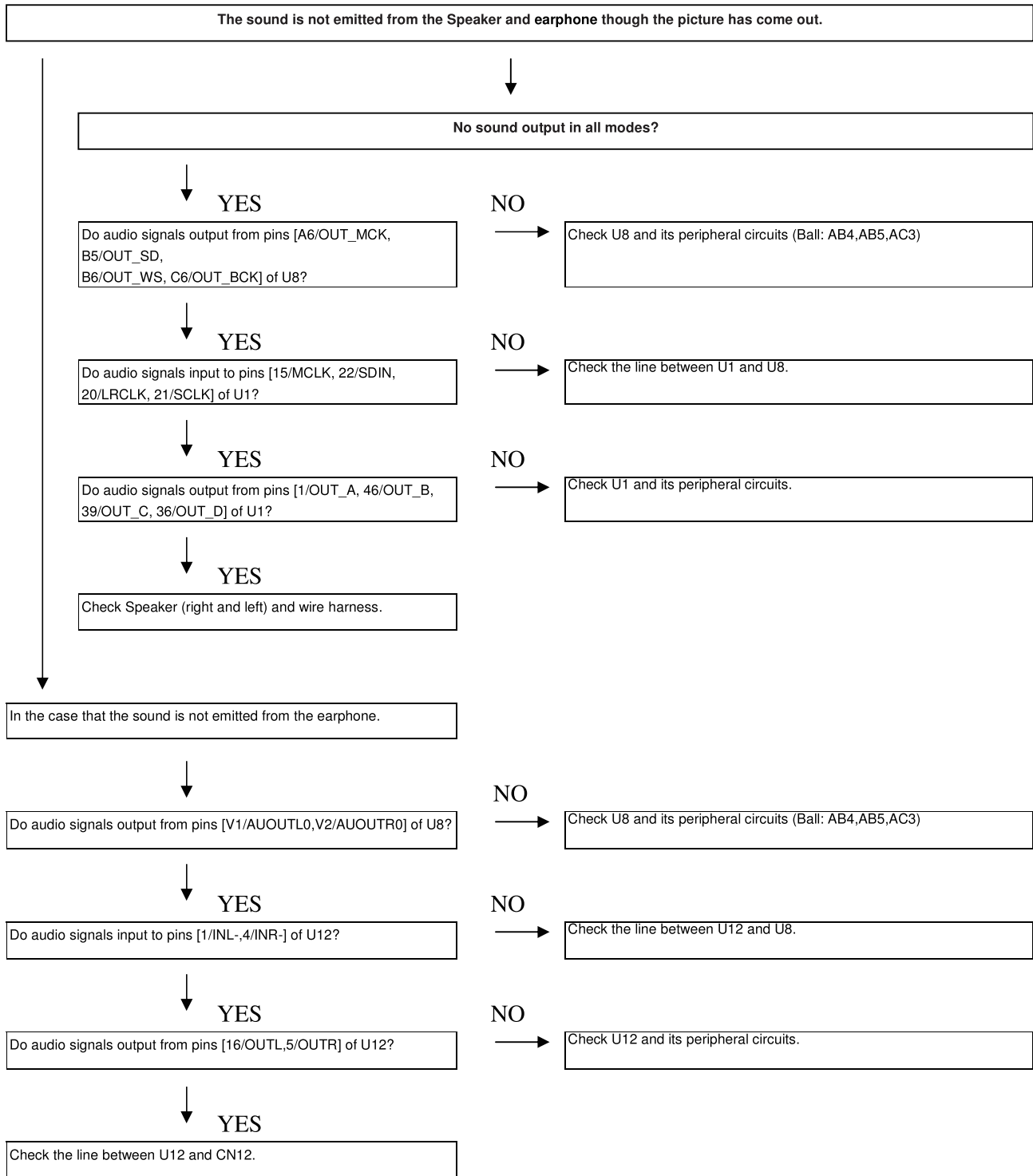
To exit hotel mode menu:

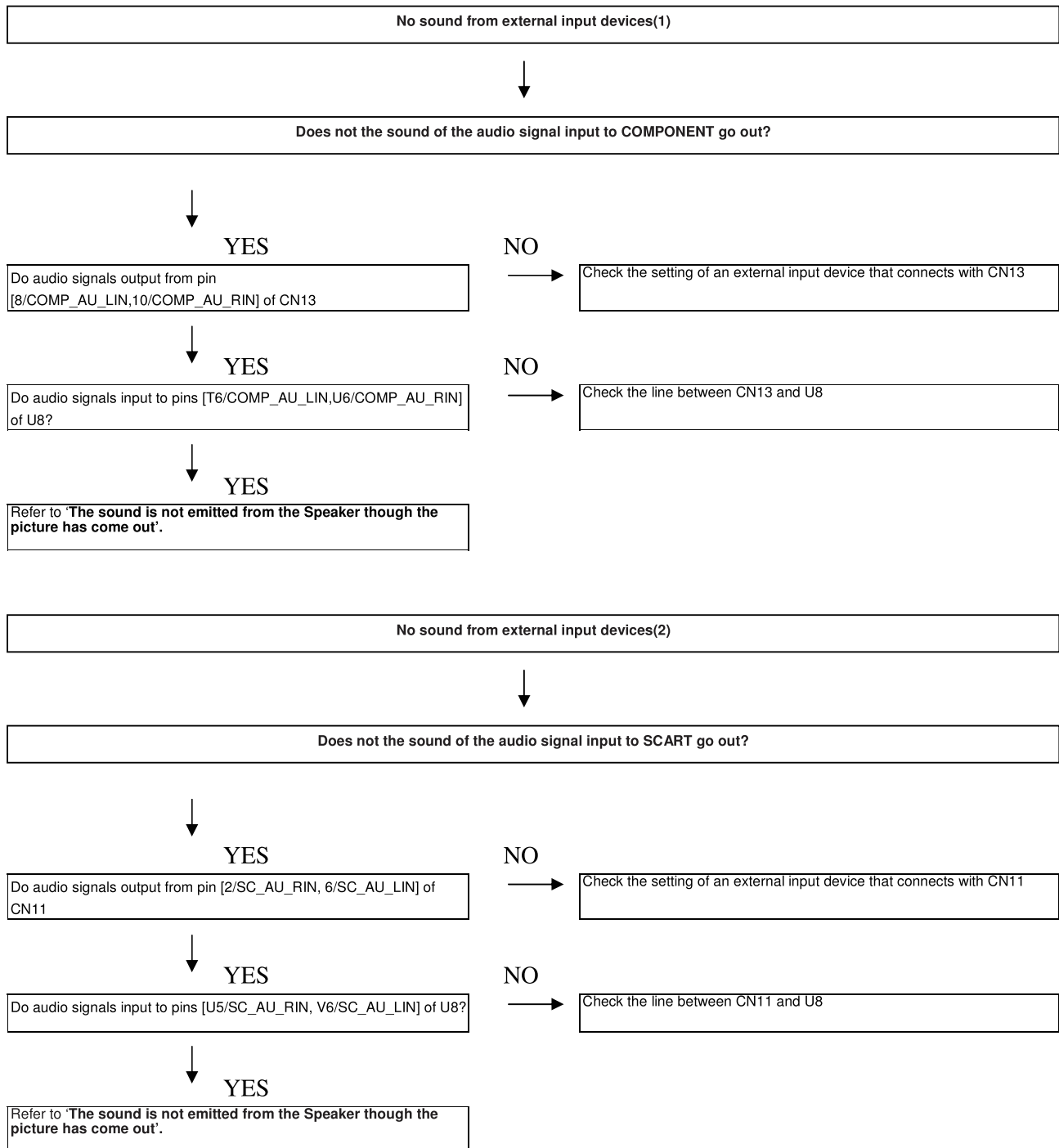
- \*\* Press "EXIT" button on the remote

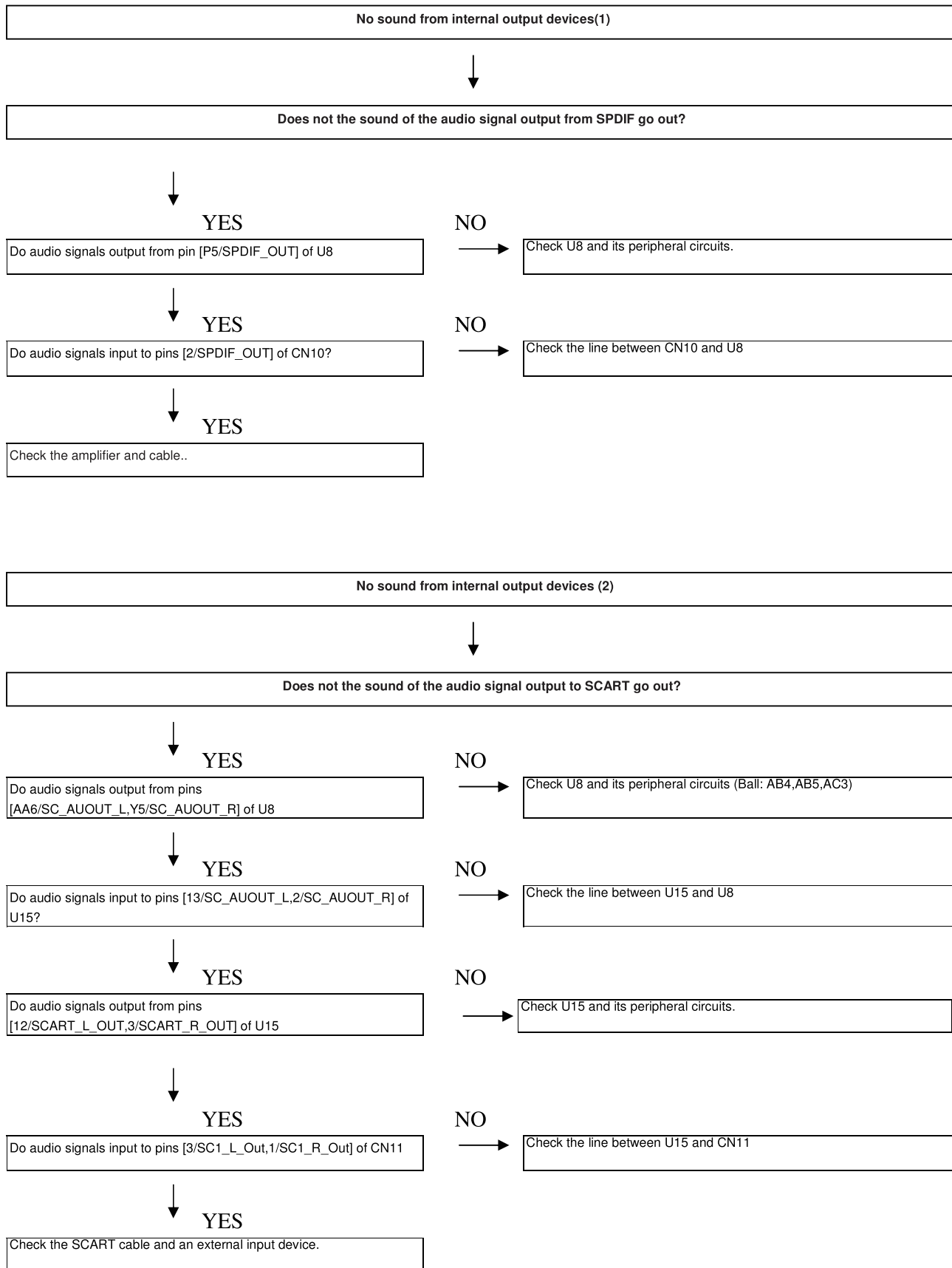
## CHAPTER 5. TroubleShootingTable

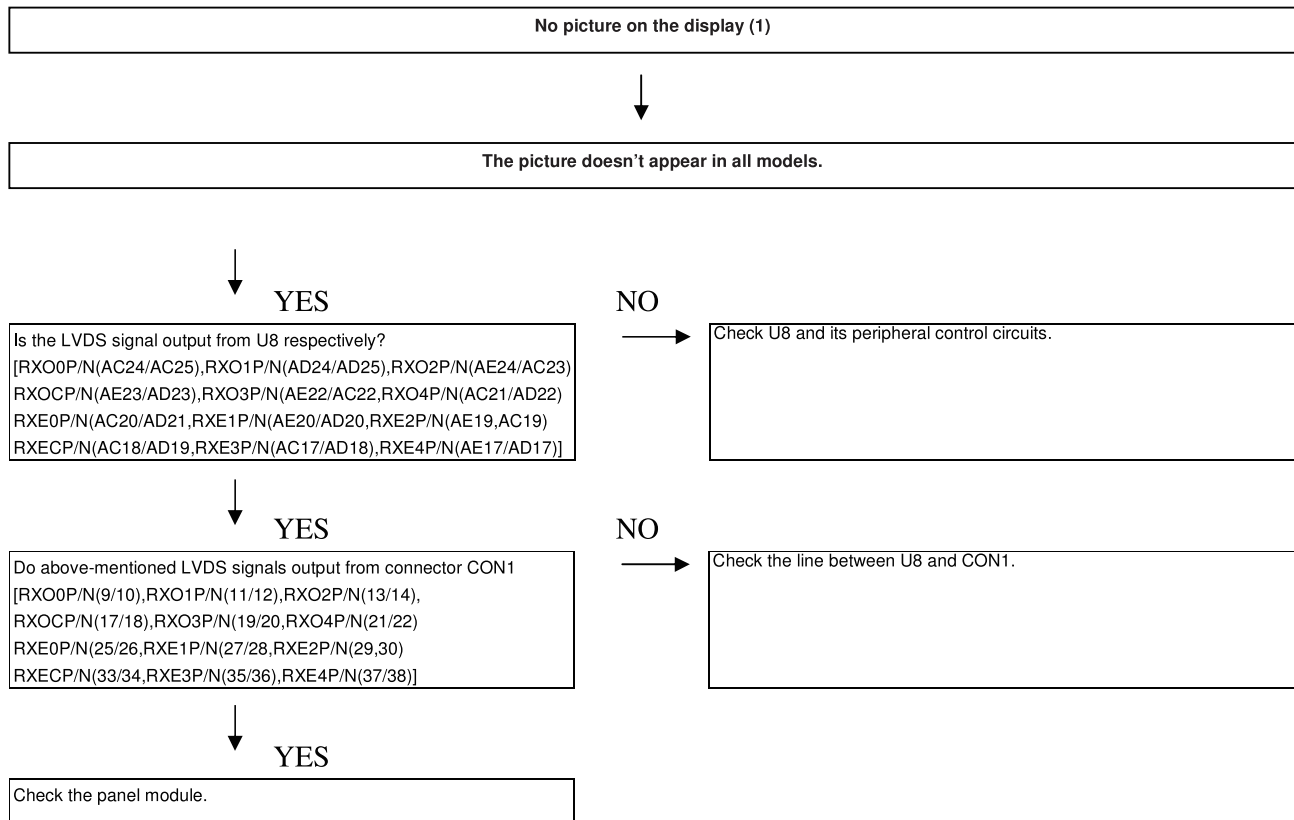
### [1] TroubleShooting Table

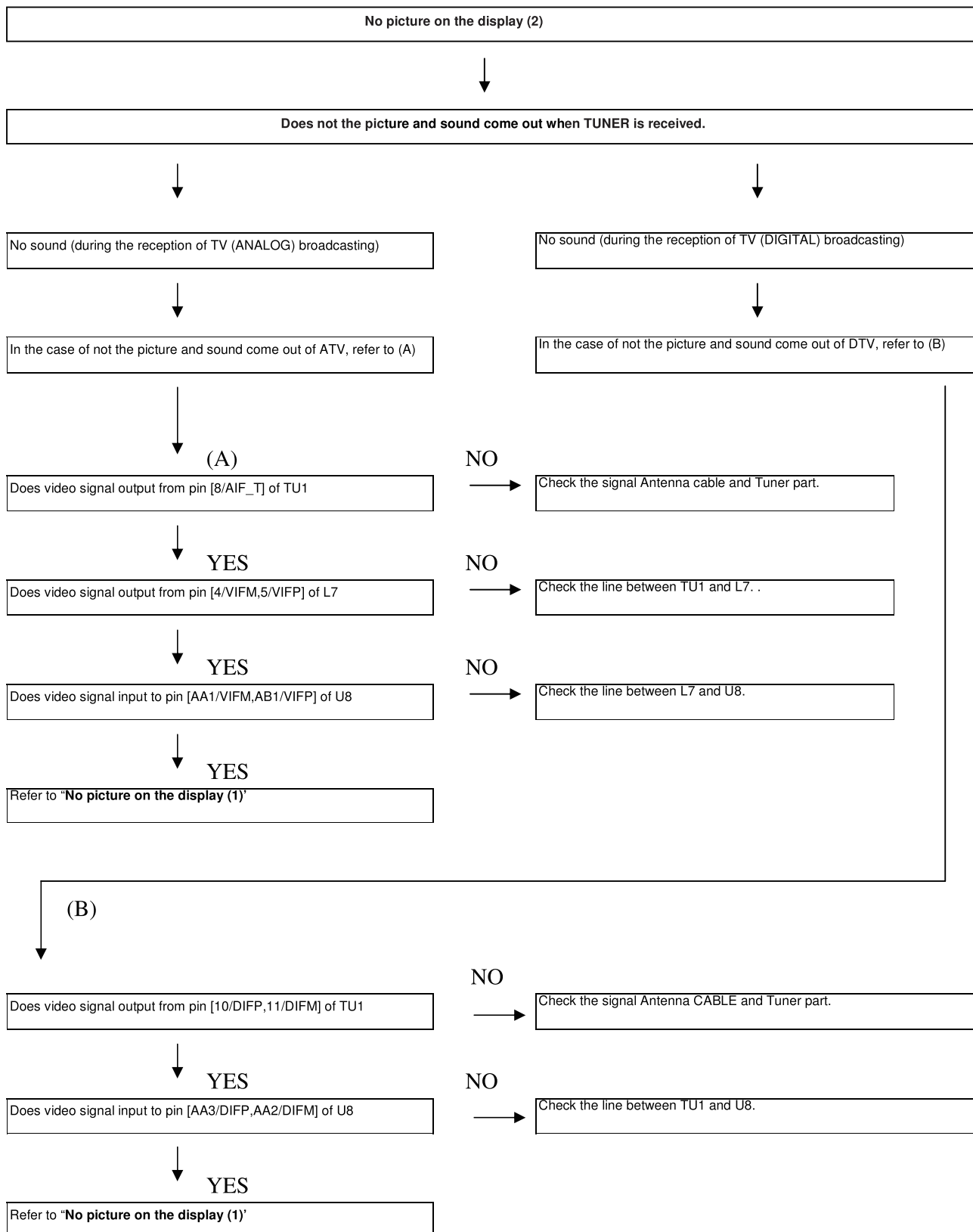


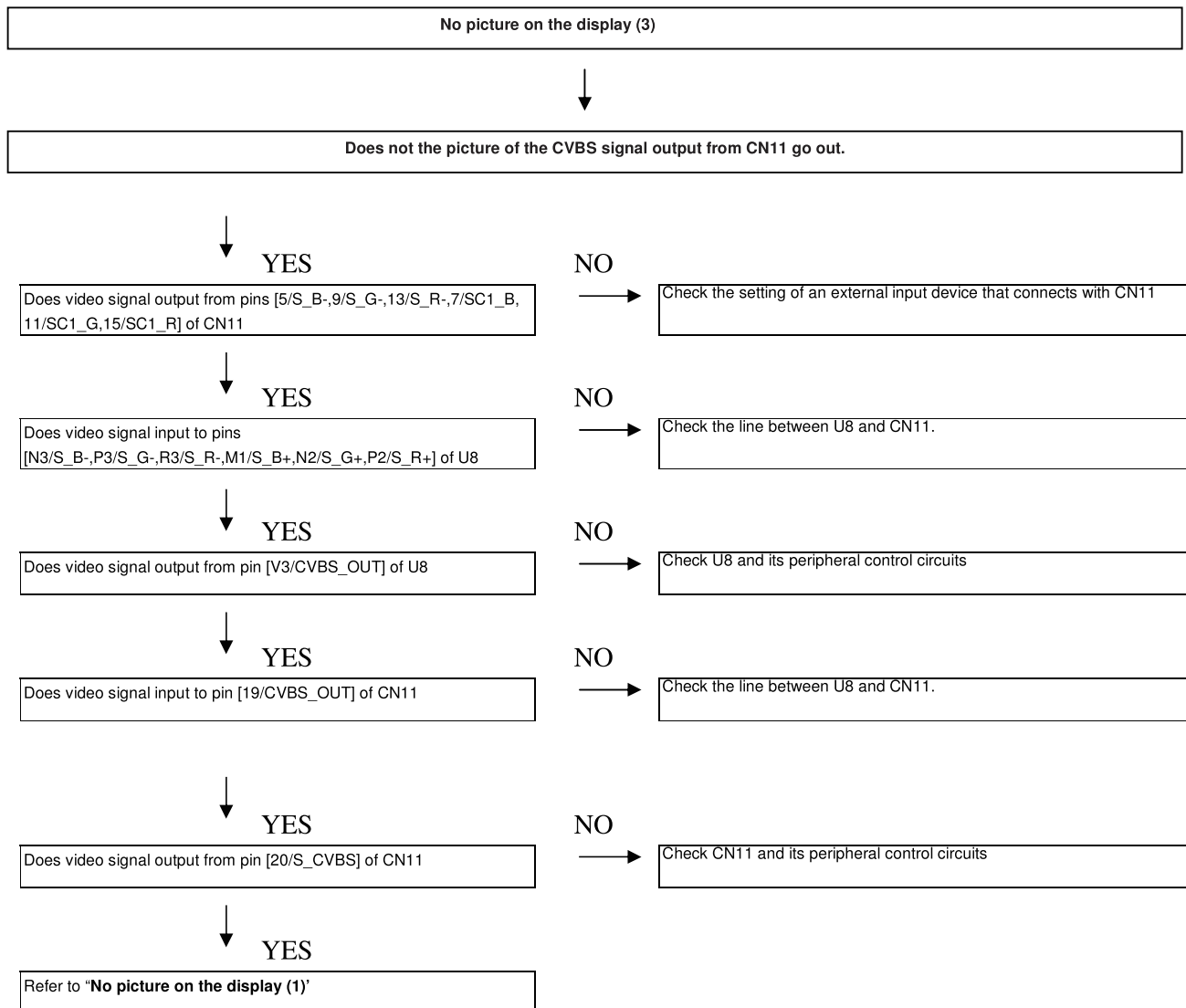


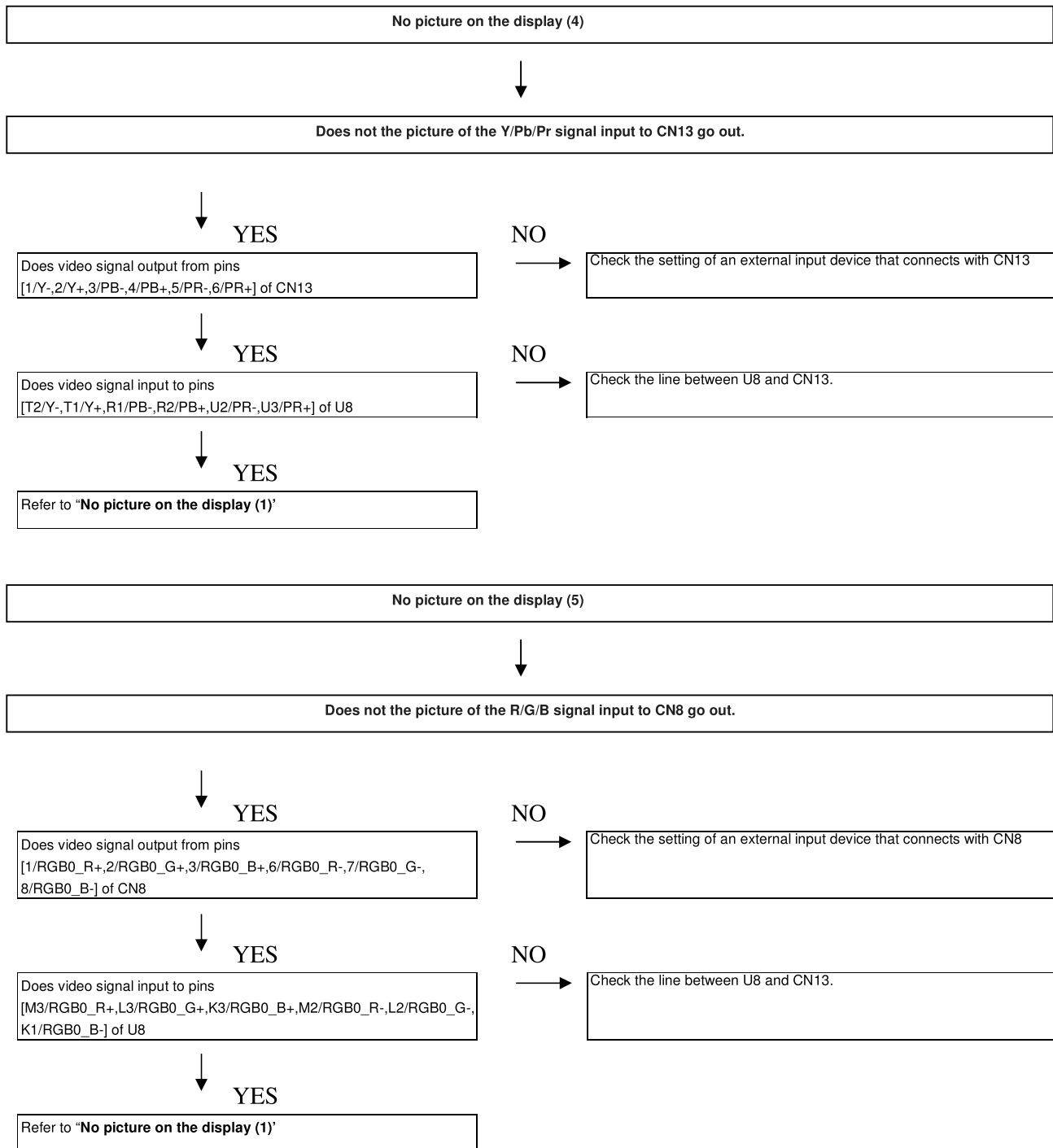


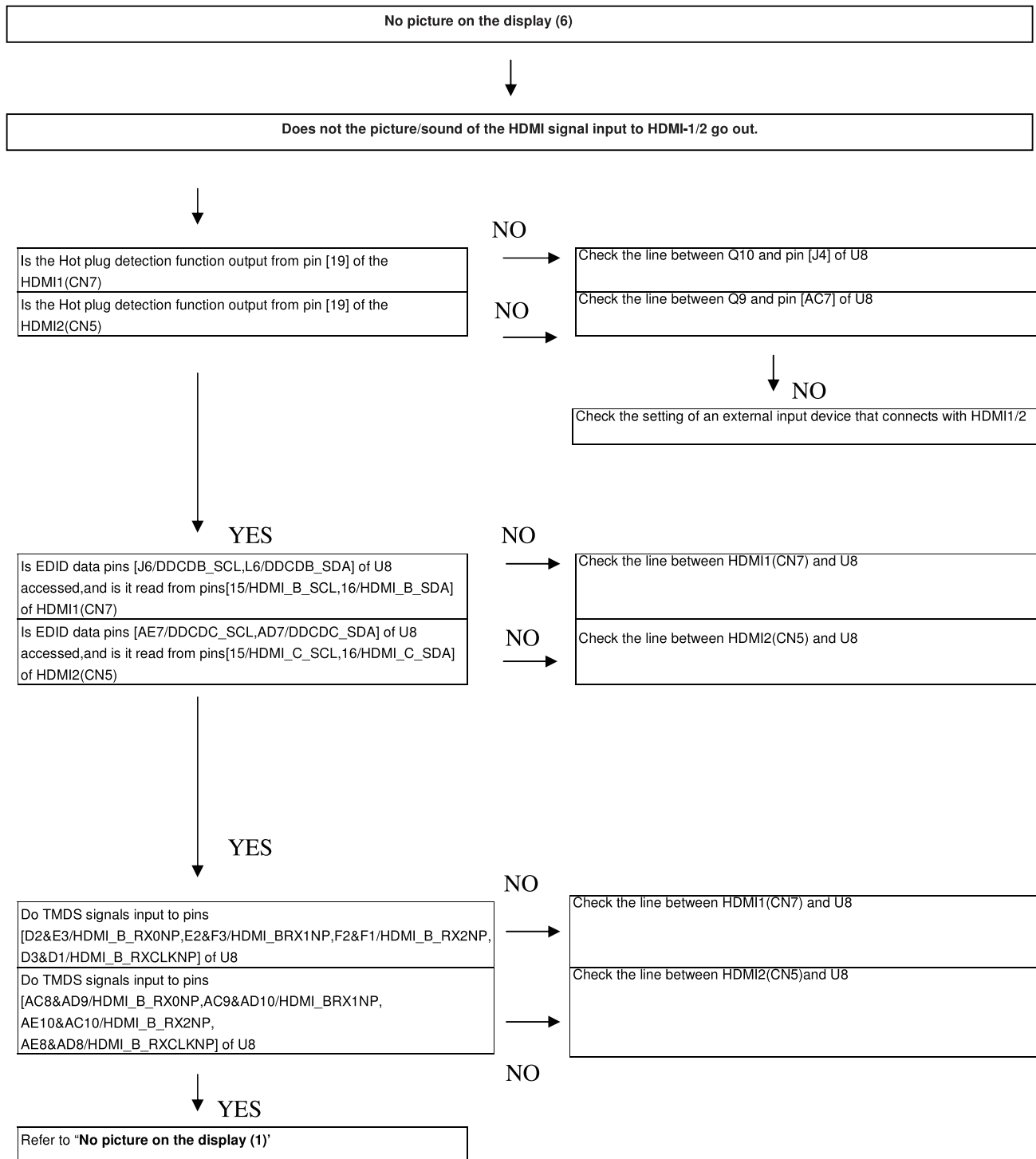






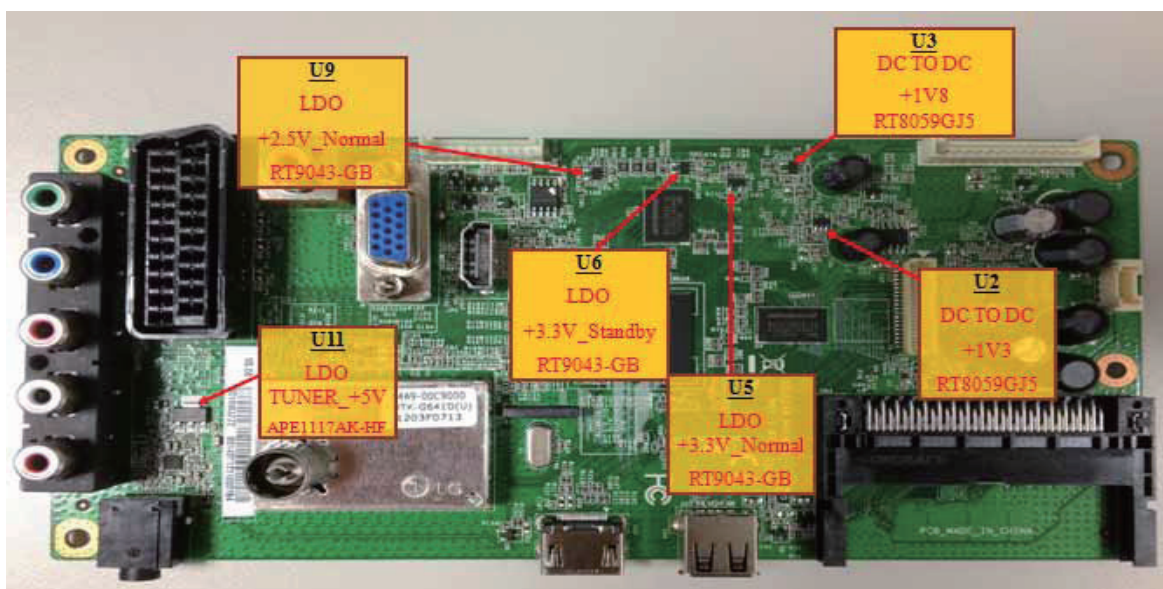
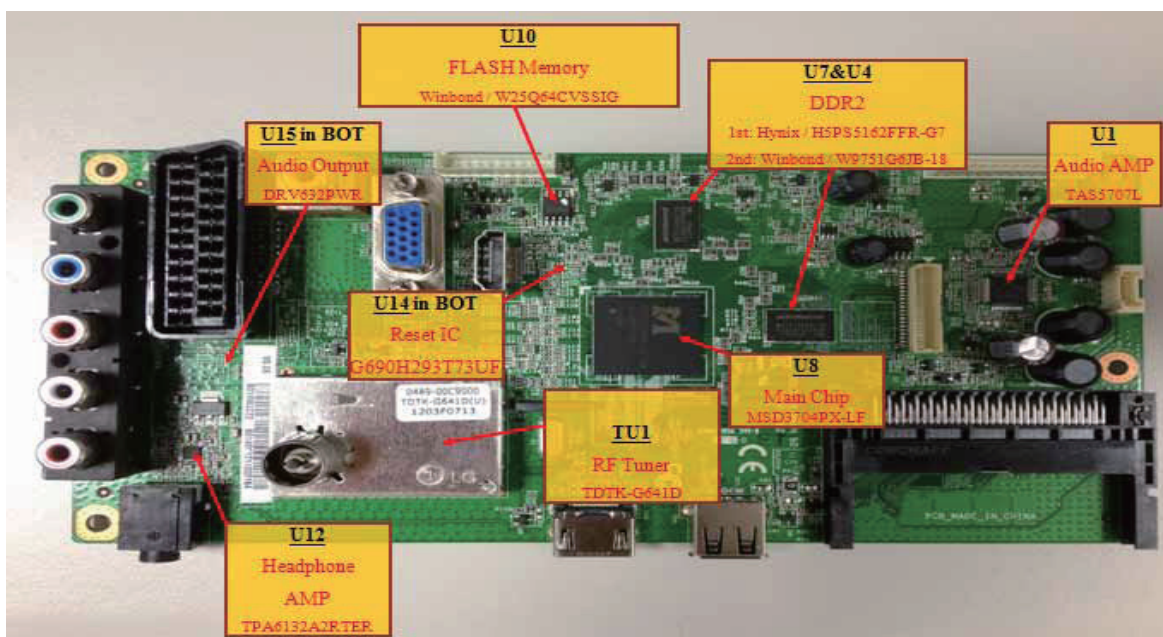






## CHAPTER 6. Key Component on MB

### [1] Key Component on MB

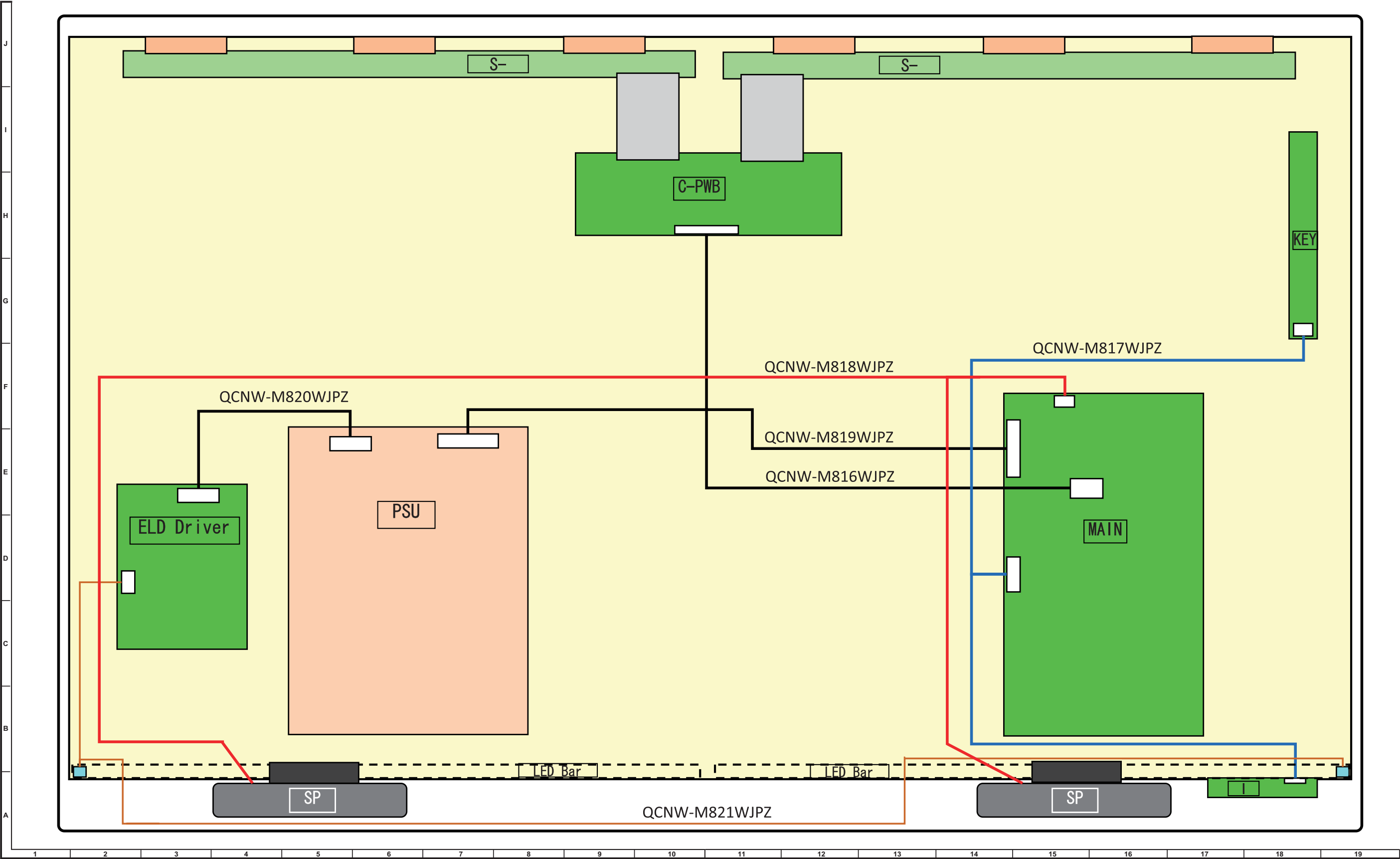


LC-32LE244E

- MEMO -

CHAPTER 7. OVERLL WIRING/BLOCK DIAGRAM

[1] OVERALL WIRING DIAGRAM





# SHARP PARTS GUIDE

No. S62X332LE244E

**LCD COLOUR TELEVISION****MODEL LC-32LE244E**

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- |                                        |                                            |
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| [1] PRINTED WIRING BOARD<br>ASSEMBLIES | [4] SUPPLIED ACCESSORIES/<br>PACKING PARTS |
| [2] LCD PANEL MODULE UNIT              | [5] SERVICE JIG (USE FOR<br>SERVICING)     |
| [3] CABINET AND MECHANICAL<br>PARTS    |                                            |

Parts marked with "△" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

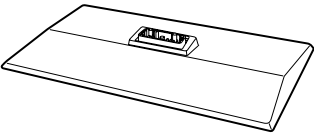
△

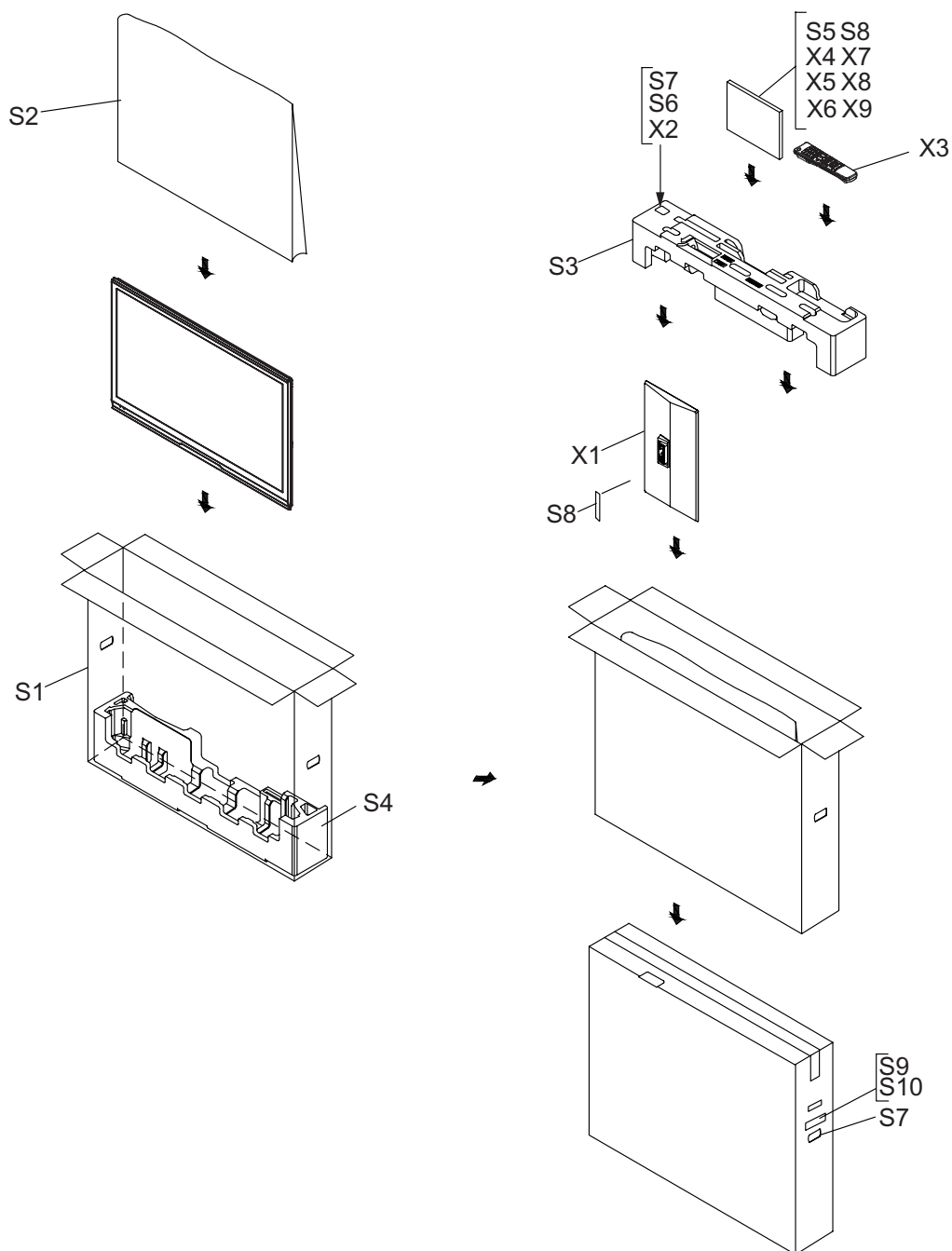
| NO.                                 | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION           |
|-------------------------------------|----------------|------------|----------|---------------|-----------------------|
| [1] PRINTED WIRING BOARD ASSEMBLIES |                |            |          |               |                       |
| N                                   | RUNTKB014WJZZ2 |            | N        | P             | MAIN Unit             |
| N                                   | RUNTKB015WJZZ2 |            | N        | P             | POWER Unit            |
| N                                   | RUNTKB016WJZZ2 |            | N        | P             | LED DRIVER Unit       |
| N                                   | RUNTKB017WJZZ2 |            | N        | P             | KEY Unit              |
| N                                   | RUNTKB018WJZZ2 |            | N        | P             | IR RECEIVER Unit      |
| N                                   | RUNTKB022WJQZ  |            | N        | P             | LCD CONTROL Unit      |
| [2] LCD PANEL MODULE UNIT           |                |            |          |               |                       |
| N                                   | CLCDTA266WE01  |            |          | P             | LCD PANEL MODULE Unit |
| N                                   | RLCDTA266WJZZ  |            |          | P             | LCD PANEL Unit        |



| NO.                                     | PARTS CODE    | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                  |
|-----------------------------------------|---------------|------------|----------|---------------|------------------------------|
| <b>[3] CABINET AND MECHANICAL PARTS</b> |               |            |          |               |                              |
| 1                                       | LANGKD629WJ1W |            | N        | P             | Bottom Bracket               |
| 2                                       | CCABBC135WJ11 |            | N        | P             | Rear Cabinet Ass'y           |
| 2-1                                     | GCABBC135WJ1A |            | N        | P             | Rear Cabinet                 |
| 2-3                                     | JBTN-A976WJ1A |            |          | P             | KEY Button                   |
| 2-4                                     | LANGKD624WJ1W |            | N        | P             | VESA Angle, x2               |
| 2-6                                     | PSPAHC590WJZZ |            | N        | P             | Spacer, x2                   |
| 2-7                                     | PSPAHC592WJZZ |            | N        | P             | Spacer, x2                   |
| 2-9                                     | XEBS830P08000 | AA         |          | J             | Screw, x2                    |
| 3                                       | GCOVAE449WJ1A |            | N        | P             | Side Cover                   |
| 4                                       | LHLDWA294WJUJ | AC         |          | J             | Wire Holder, x8              |
| 5                                       | LHLDWA318WJKZ | AD         |          | J             | Cable Clamp                  |
| 6                                       | LX-BZA207WJF7 | AA         |          | J             | Screw, x16                   |
| 7                                       | PSPANA050WJZZ |            | N        | P             | LEDD PWB Spacer              |
| 8                                       | QACCKA063WJPZ |            | N        | P             | AC CODE (except for U.K.)    |
| 8                                       | QACCB113WJPZ  |            | N        | P             | AC CODE (for U.K.)           |
| 9                                       | QCNW-M816WJPZ |            | N        | P             | Connecting Cord (LVDS)       |
| 10                                      | QCNW-M817WJPZ |            | N        | P             | Connecting Cord (MAIN-KEYIR) |
| 11                                      | QCNW-M818WJPZ |            | N        | P             | Connecting Cord (MAIN-SP)    |
| 12                                      | QCNW-M819WJPZ |            | N        | P             | Connecting Cord (MAIN-PSU)   |
| 13                                      | QCNW-M820WJPZ |            | N        | P             | Connecting Cord (PSU-LEDDR)  |
| 14                                      | QCNW-M821WJPZ |            | N        | P             | Connecting Cord (LEDDR-LED)  |
| 15                                      | QCNW-M823WJZZ |            | N        | P             | FFC, x2                      |
| 16                                      | RSP-ZA570WJZZ | AM         | N        | J             | Speaker, x2                  |
| 18                                      | TLABZC453WJZZ |            |          | P             | Model Label                  |
| 20                                      | TLABZD268WJZZ |            | N        | P             | Energy Label (Except Russia) |
| 21                                      | XBPS830P06WS0 | AA         |          | J             | Screw, x5                    |
| 22                                      | XEBS730P10000 | AA         |          | J             | Screw, x2                    |
| 23                                      | XEBS830P08000 | AA         |          | J             | Screw, x9                    |

**[4] SUPPLIED ACCESSORIES/PACKING PARTS**

|                                                                                                                    |                                                                                                             |                                                                         |
|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| <p>X3<br/>Remote Control × 1</p>  | <p>X1<br/>Stand unit</p>  | <p>X4 X5 X6 X7<br/>OperationManual</p> <p>X8 X9<br/>Guarantee Sheet</p> |
|                                                                                                                    | <p>X2 Stand Screw Ass'y<br/>X2-1 Screw, x4<br/>X2-2 "AAA" Size Battery, x2</p>                              |                                                                         |



| NO.                                           | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                                 |
|-----------------------------------------------|----------------|------------|----------|---------------|---------------------------------------------|
| <b>[4] SUPPLIED ACCESSORIES/PACKING PARTS</b> |                |            |          |               |                                             |
| X1                                            | CDAi-A839WJ11  |            | N        | P             | Stand Base Ass'y                            |
| X2                                            | CSAKHA072WJ01  |            | N        | P             | Stand Screw Ass'y                           |
| X2-1                                          | Not Available  | -          |          | -             | Screw, x4                                   |
| X2-2                                          | Not Available  | -          |          | -             | "AAA" Size Battery, x2                      |
| X3                                            | RRMCGB042WJSA2 |            | N        | P             | Remote Control Unit                         |
| X4                                            | TiNS-F523WJZZ  |            | N        | P             | OperationManual (W-EU) (for Europe(SEEP))   |
| X4                                            | TiNS-F525WJZZ  |            | N        | P             | OperationManual (E-EU) (for East Europe)    |
| X4                                            | TiNS-F526WJZZ  |            | N        | P             | OperationManual (R) (for Russia)            |
| X5                                            | TiNS-F524WJZZ  |            | N        | P             | OperationManual (N-EU) (for Europe(SEEP))   |
| X6                                            | TiNS-F527WJZZ  |            | N        | P             | OperationManual (E) (Except Russia)         |
| X7                                            | TiNS-F567WJZZ  |            | N        | P             | OperationManual (E-EU-2) (for East Europe)  |
| X8                                            | TGAN-A801WJN1  |            |          | P             | Guarantee Sheet (for A3iKG244KP)            |
| X8                                            | TGAN-B651WJZZ  |            |          | P             | Guarantee Sheet (for Russia)                |
| X9                                            | TGAN-A802WJN1  |            |          | P             | Guarantee Sheet (for U.K.)                  |
| S1                                            | SPAKCG865WJZZ  | -          | N        | -             | Paking Case (NOT REPLACEMENT ITEM)          |
| S2                                            | SPAKPB873WJZZ  | -          | N        | -             | Polyethylene Bag (NOT REPLACEMENT ITEM)     |
| S3                                            | SPAKXD718WJZZ  | -          | N        | -             | Pad Top (NOT REPLACEMENT ITEM)              |
| S4                                            | SPAKXD719WJZZ  | -          | N        | -             | Pad Bottom (NOT REPLACEMENT ITEM)           |
| S5                                            | SSAKAA111WJZZ  | -          |          | -             | Polyethylene Bag (NOT REPLACEMENT ITEM)     |
| S6                                            | SSAKHA072WJ01  | -          | N        | -             | Packing Add. (Screw) (NOT REPLACEMENT ITEM) |
| S7                                            | TLABK0023TAZZ  | -          |          | -             | Bar Code Label (NOT REPLACEMENT ITEM)       |
| S8                                            | TLABZC826WJZZ  | -          |          | -             | Bar Code Label (NOT REPLACEMENT ITEM)       |
| S9                                            | TLABME431WJZZ  |            | N        | P             | Label                                       |
| S10                                           | TLABNC117WJZZ  |            |          | P             | Model Label                                 |
| <b>[5] SERVICE JIG (USE FOR SERVICING)</b>    |                |            |          |               |                                             |
| N                                             |                |            |          | J             | Connecting Cord                             |
| N                                             |                |            |          | J             | Connecting Cord                             |



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