

# SHARP SERVICE MANUAL

No. SX6Y9LC37D43U



LCD COLOR TELEVISION

**LC-32D43U**  
**MODELS LC-37D43U**

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 be used.

## OUTLINE

This model is based on the LC-32D42U/LC-37D42U and partially modified.

For the contents not covered in this Service Manual, accordingly, please refer to the LC-32D42U/LC-37D42U (S06X9LC32D42U) Service Manual.

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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.

**DIFFERENCES FROM BASE MODEL****LIST OF CHANGED PARTS**

Ref. No.	Description	LC-32D42U/LC-37D42U	LC-32D43U/LC-37D43U	Note
<b>PRINTED WIRING BOARD ASSEMBLIES</b>				
	MAIN Unit	DUNTKD862FM04	DUNTKD862FM04	No Changes
	R/C, LED Unit	DUNTKD909FM02	DUNTKD909FM02	No Changes
	KEY Unit	DUNTKD910FM02	DUNTKD910FM02	No Changes
	AV TERMINAL Unit	DUNTKD999FM04	DUNTKD999FM04	No Changes
	POWER Unit	RDENCA198WJQZ	RDENCA198WJQZ	No Changes

Refer to the PARTS GUIDE for CABINET PARTS, SUPPLIED ACCESORIES,PACKING PARTS and SERVICE JIGS.

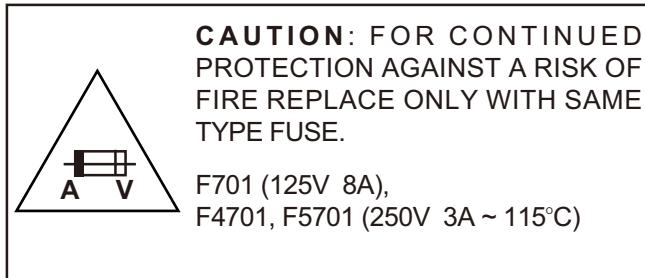
## SAFETY PRECAUTION

### 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.



#### ■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 120 volt AC outlet.
- Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15μF 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.

#### SAFETY NOTICE

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

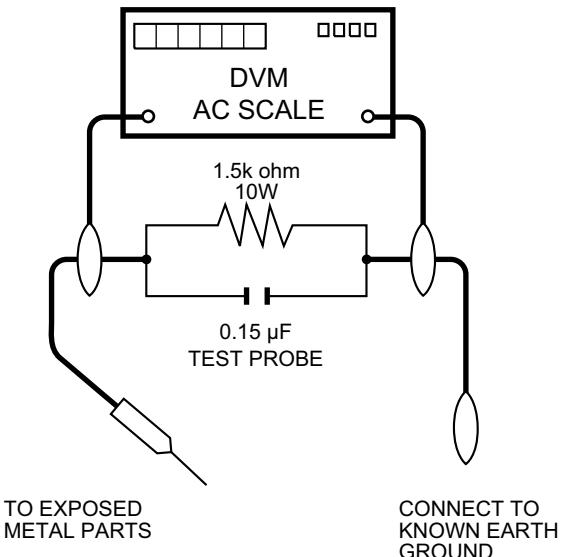
These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc.

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.

- 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 0.75 Vrms (this corresponds to 0.5 mA rms AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the monitor to the owner.



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

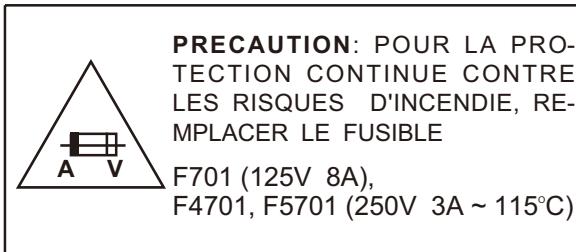
The use of a substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire or other hazards.

## PRECAUTIONS A PRENDRE LORS DE LA REPARATION

■ Ne peut effectuer la réparation qu' un technicien spécialisé qui s'est parfaitement accoutumé à toute vérification de sécurité et aux conseils suivants.

### ■ AVERTISSEMENT

1. N'entreprendre aucune modification de tout circuit. C'est dangereux.
2. Débrancher le récepteur avant toute réparation.



### ■ VERIFICATIONS CONTRE L'INCEN-DIE ET LE CHOC ELECTRIQUE

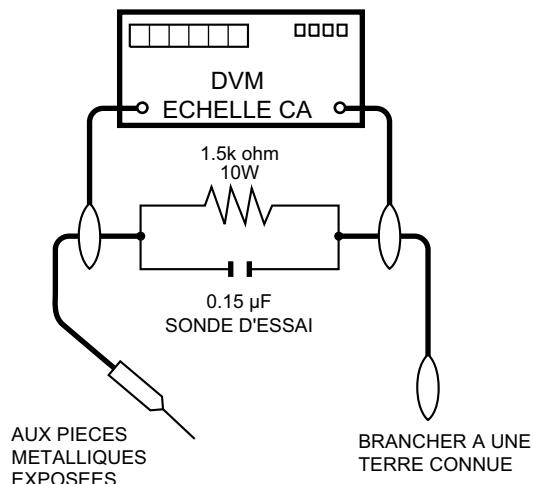
Avant de rendre le récepteur à l'utilisateur, effectuer les vérifications suivantes.

3. Inspecter tous les faisceaux de câbles pour s'assurer que les fils ne soient pas pincés ou qu'un outil ne soit pas placé entre le châssis et les autres pièces métalliques du récepteur.
  4. Inspecter tous les dispositifs de protection comme les boutons de commande non-métalliques, les isolants, le dos du coffret, les couvercles ou blindages de réglage et de compartiment, les réseaux de résistancecapacité, les isolateurs mécaniques, etc.
  5. S'assurer qu'il n'y ait pas de danger d'électrocution en vérifiant la fuite de courant, de la façon suivante:
- Brancher le cordon d'alimentation directement à une prise de courant de 120V. (Ne pas utiliser de transformateur d'isolation pour cet essai).

- A l'aide de deux fils à pinces, brancher une résistance de 1.5 kΩ 10 watts en parallèle avec un condensateur de 0.15µF en série avec toutes les pièces métalliques exposées du coffret et une terre connue comme une conduite électrique ou une prise de terre branchée à la terre.
- Utiliser un voltmètre CA d'une sensibilité d'au moins 5000Ω/V pour mesurer la chute de tension en travers de la résistance.
- Toucher avec la sonde d'essai les pièces métalliques exposées qui présentent une voie de retour au châssis (antenne, coffret métallique, tête des vis, arbres de commande et des boutons, écousson, etc.) et mesurer la chute de tension CA en-travers de la résistance. Toutes les vérifications doivent être refaites après avoir inversé la fiche du cordon d'alimentation. (Si nécessaire, une prise d'adaptation non polarisée peut être utilisée dans le but de terminer ces vérifications.)

La tension de pointe mesurée ne doit pas dépasser 0.75V (correspondante au courant CA de pointe de 0.5mA).

Dans le cas contraire, il y a une possibilité de choc électrique qui doit être supprimée avant de rendre le récepteur au client.



### AVIS POUR LA SECURITE

De nombreuses pièces, électriques et mécaniques, dans les téléviseurs ACL présentent des caractéristiques spéciales relatives à la sécurité, qui ne sont souvent pas évidentes à vue. Le degré de protection ne peut pas être nécessairement augmentée en utilisant des pièces de remplacement étalonnées pour haute tension, puissance, etc.

Les pièces de remplacement qui présentent ces caractéristiques sont identifiées dans ce manuel; les pièces électriques qui présentent ces particularités sont identifiées par la marque " et hachurées dans la liste des pièces de remplacement et les diagrammes schématiques.

Pour assurer la protection, ces pièces doivent être identiques à celles utilisées dans le circuit d'origine. L'utilisation de pièces qui n'ont pas les mêmes caractéristiques que les pièces recommandées par l'usine, indiquées dans ce manuel, peut provoquer des électrocutions, incendies, radiations X ou autres accidents.

## PRECAUTIONS FOR USING LEAD-FREE SOLDER

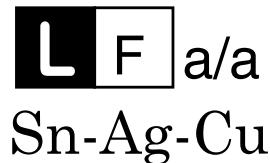
### ■Employing lead-free solder

- “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:



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



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

PARTS CODE	PRICE RANK	PART DELIVERY	DESCRIPTION
ZHNDAi123250E	BL	J	φ0.3mm 250g (1roll)
ZHNDAi126500E	BK	J	φ0.6mm 500g (1roll)
ZHNDAi12801KE	BM	J	φ1.0mm 1kg (1roll)

# CHAPTER 1. SPECIFICATIONS

## [1] SPECIFICATIONS

Item			Model: LC-32D43U	Model: LC-37D43U	
LCD panel			32" Advanced Super View & BLACK TFT LCD	37" Advanced Super View & BLACK TFT LCD	
Number of dots			3,147,264 dots (1366 × 768 × 3 dots)		
TV Function	TV-standard (CCIR)			American TV Standard ATSC/NTSC System	
Receiving Channel	VHF/UHF	VHF 2-13ch, UHF 14-69ch			
	CATV	1-135ch (non-scrambled channel only)			
	Digital Terrestrial Broadcast (8VSB)	2-69ch			
	Digital cable <sup>1</sup> (64/256 QAM)	1-135ch (non-scrambled channel only)			
	Audio multiplex	BTSC System			
Audio out			10W × 2		
Terminals	Rear	INPUT 1	AV in, COMPONENT in		
		INPUT 2	S-VIDEO in, AV in		
		INPUT 3	Audio in, COMPONENT in		
		INPUT 4	HDMI in with HDCP		
		INPUT 5	Audio in, HDMI in with HDCP		
		INPUT 6	15 pin mini D-sub, Audio in (Ø 3.5 mm jack)		
		ANTENNA	75Ω Unbalance, F Type × 1 for Analog (VHF/UHF/CATV) and Digital (AIR/CABLE)		
		DIGITAL AUDIO OUTPUT	Optical Digital audio output × 1 (PCM/Dolby Digital)		
		OUTPUT	Audio out		
OSD language			English/French/Spanish		
Power Requirement			AC 120 V, 60 Hz		
Power Consumption			175 W (0.95 W Standby with AC 120V)	185 W (0.95 W Standby with AC 120V)	
Weight	w/o stand	36.4 lbs./16.5 kg		43.0 lbs./19.5 kg	
	with stand	43.0 lbs./19.5 kg		50.7 lbs./23.0 kg	
Dimension <sup>2</sup> (W × H × D)	w/o stand	$31\frac{11}{32} \times 20\frac{59}{64} \times 3\frac{53}{64}$ inch		$35\frac{61}{64} \times 23\frac{37}{64} \times 3\frac{53}{64}$ inch	
	with stand	$31\frac{11}{32} \times 23\frac{13}{64} \times 9\frac{37}{64}$ inch		$35\frac{61}{64} \times 25\frac{27}{32} \times 11\frac{35}{64}$ inch	
Operating temperature			+32°F to +104°F (0°C to +40°C)		

<sup>1</sup> Emergency alert messages via Cable are unreceivable.

<sup>2</sup> The dimensional drawings are shown on the inside back cover.

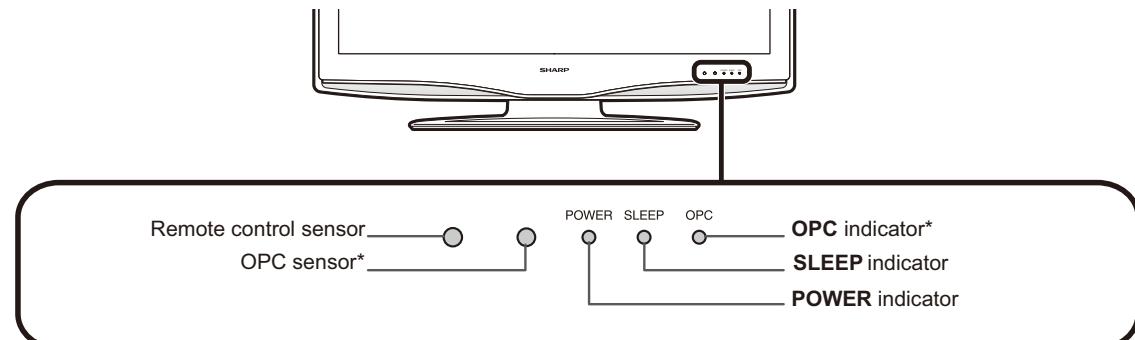
- As part of policy of continuous improvement, SHARP reserves the right to make design and speciation changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.

## CHAPTER 2. OPERATION MANUAL

### [1] OPERATION MANUAL

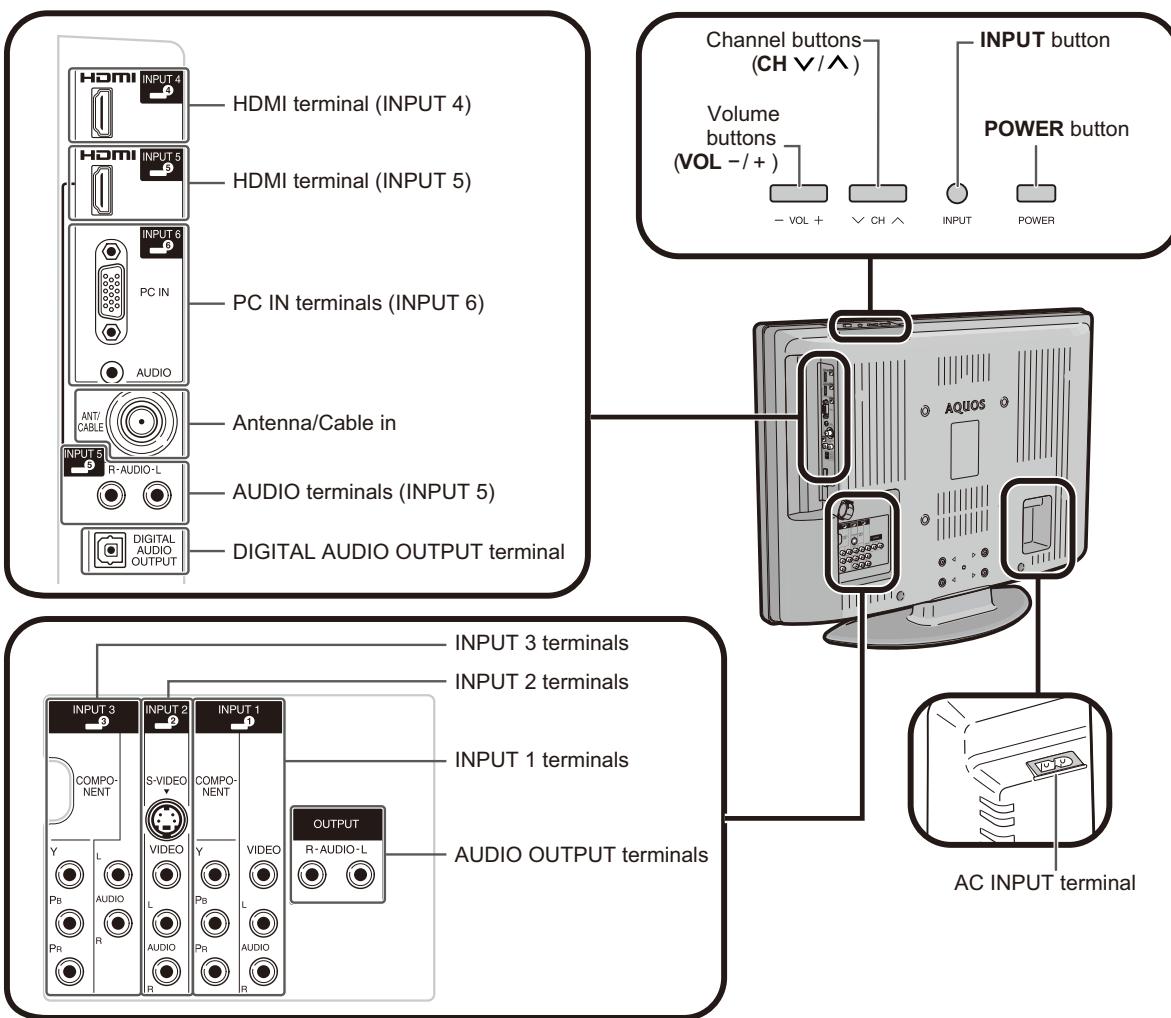
#### Part names

##### TV (Front)



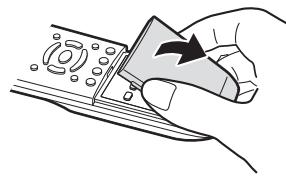
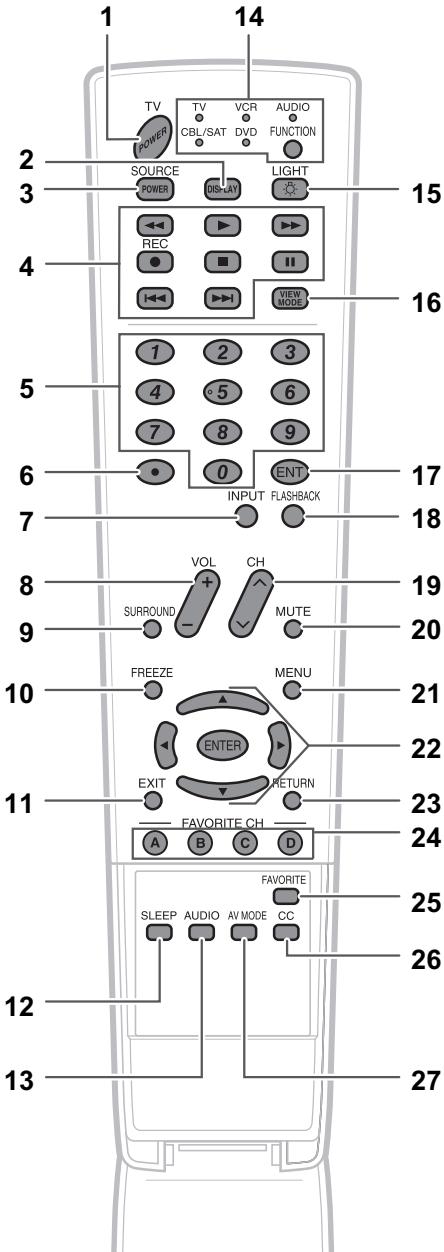
\*OPC: Optical Picture Control

##### TV (Rear)



## Part names

## Remote control unit

**NOTE**

- When using the remote control unit, point it at the TV.

- 1 **TV POWER:** Switch the TV power on or enters standby mode.
- 2 **DISPLAY:** Display the channel information.
- 3 **SOURCE POWER:** Turns the power of the external equipment on and off.
- 4 **External equipment operational buttons:** Operate the external equipment.
- 5 **0 – 9:** Set the channel.
- 6 • (DOT):
- 7 **INPUT:** Select a TV input source. (TV, INPUT 1, INPUT 2, INPUT 3, INPUT 4, INPUT 5, INPUT 6)
- 8 **VOL +/− :** Set the volume.
- 9 **SURROUND:** Select Surround settings.
- 10 **FREEZE:** Set the still image. Press again to return to normal screen.
- 11 **EXIT:** Turn off the menu screen.
- 12 **SLEEP:** Set the sleep timer.
- 13 **AUDIO:** Selects the MTS/SAP or the audio mode during multi-channel audio broadcasts.
- 14 **FUNCTION:** Switches the remote control for TV, CBL/SAT, VCR, DVD and AUDIO operation. Indicator lights up for the current mode.  
\* To enter the code registration mode, you need to press **FUNCTION** and **DISPLAY** at the same time.
- 15 **LIGHT :** When pressed all buttons on the remote control unit will light. The lighting will turn off if no operations are performed within about 5 seconds. This button is used for performing operations in low-light situations.
- 16 **VIEW MODE:** Select the screen size.
- 17 **ENT:** Jumps to a channel after selecting with the **0–9** buttons.
- 18 **FLASHBACK:** Return to the previous channel or external input mode.
- 19 **CH ▲/▼ :** Select the channel.
- 20 **MUTE:** Mute the sound.
- 21 **MENU:** Display the menu screen.
- 22 **▲/▼/◀/▶ ENTER:** Select a desired item on the screen.
- 23 **RETURN:** Return to the previous menu screen.
- 24 **FAVORITE CH**  
**A, B, C, D:** Select 4 preset favorite channels in 4 different categories.  
While watching, you can toggle the selected channels by pressing A, B, C and D.
- 25 **FAVORITE:** Register favorite channel.
- 26 **CC:** Display captions from a closed-caption source.
- 27 **AV MODE:** Select an audio or video setting.  
(When the input source is TV, INPUT 1, 2 or 3: STANDARD, MOVIE, GAME, USER, DYNAMIC (Fixed), DYNAMIC. When the input source is INPUT 4, 5 or 6: STANDARD, MOVIE, GAME, PC, USER, DYNAMIC (Fixed), DYNAMIC)

# QUICK REFERENCE

## Attaching the stand

- Before attaching (or detaching) the stand, unplug the AC cord from the AC INPUT terminal.
- Before performing work spread cushioning over the base area to lay the TV on. This will prevent it from being damaged.

### CAUTION

- Attach the stand in the correct direction.
- Be sure to follow the instructions. Incorrect installation of the stand may result in the TV falling over.

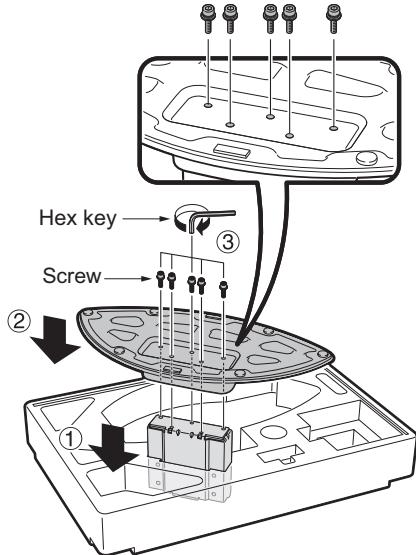
1

Confirm that there are 9 screws (all the same size) supplied with the TV.



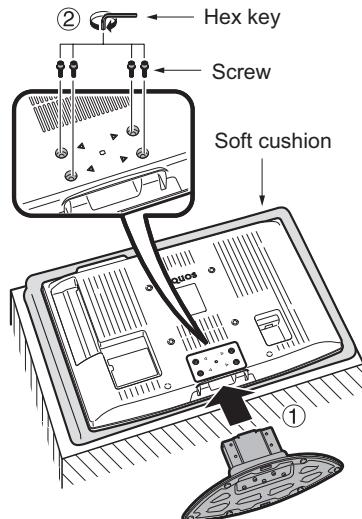
2

- ① Set the post for the stand unit onto the box.
- ② Attach the base to the post.
- ③ Insert and tighten the 5 screws into the 5 holes on the bottom of the base.



3

- ① Insert the stand into the openings on the bottom of the TV.
- ② Insert and tighten the 4 screws into the 4 holes on the rear of the TV.

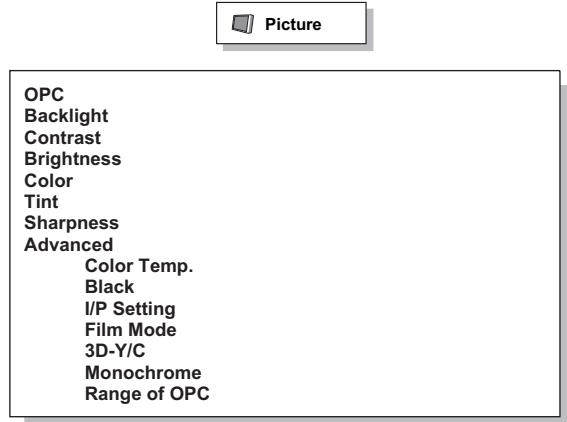


### NOTE

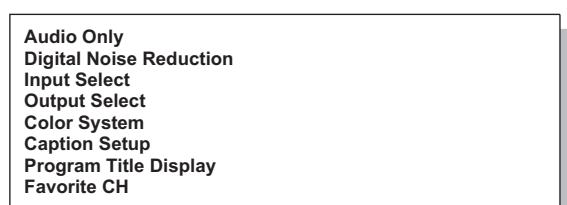
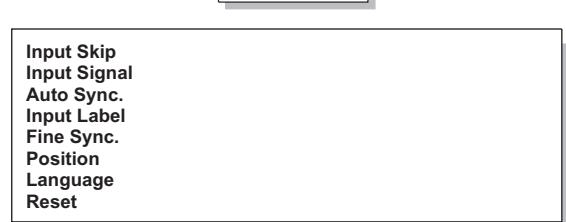
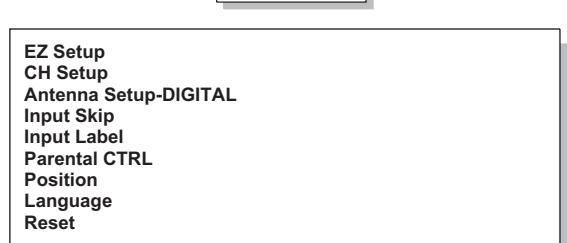
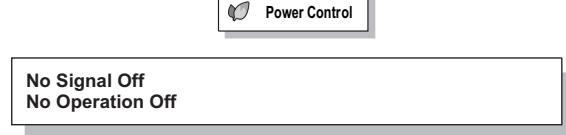
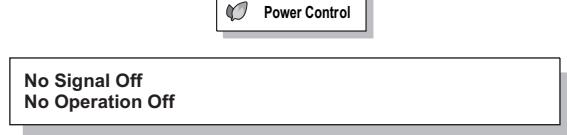
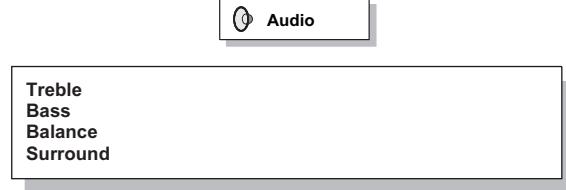
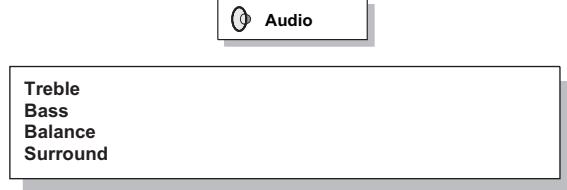
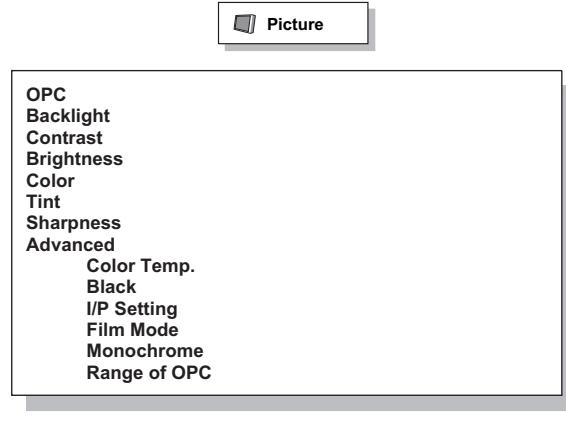
- To detach the stand, perform the steps in reverse order.

# Basic adjustment settings

## Menu items for TV/INPUT 1/2/3



## Menu items for HDMI/PC-IN



### NOTE

- Some menu items may not be displayed depending on the selected input source.

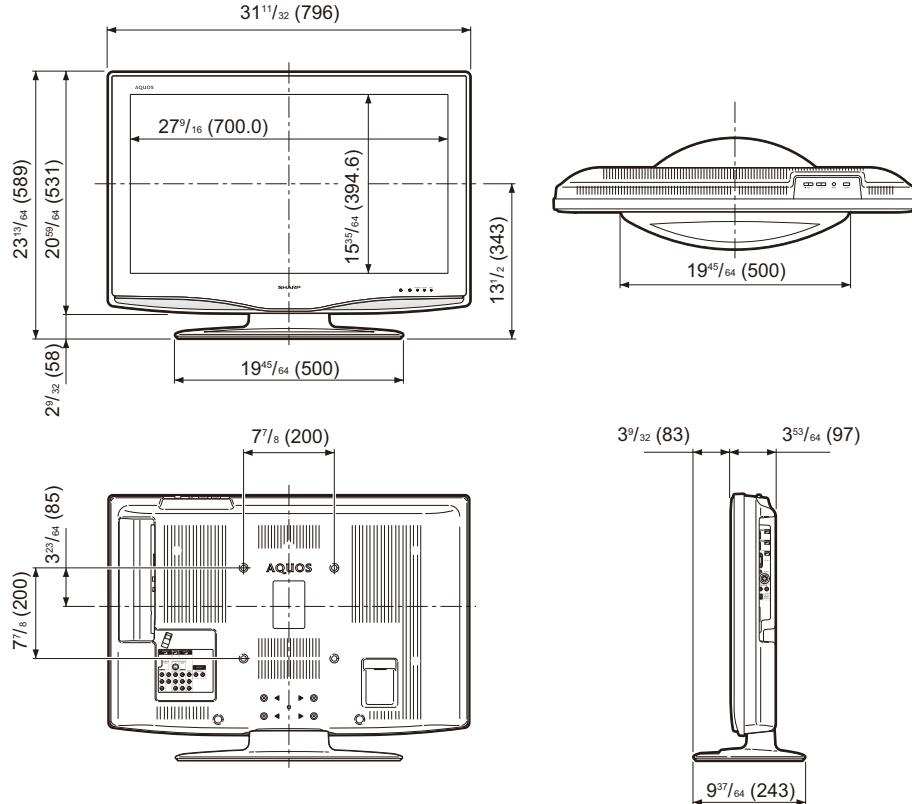


# CHAPTER 3. DIMENSIONS

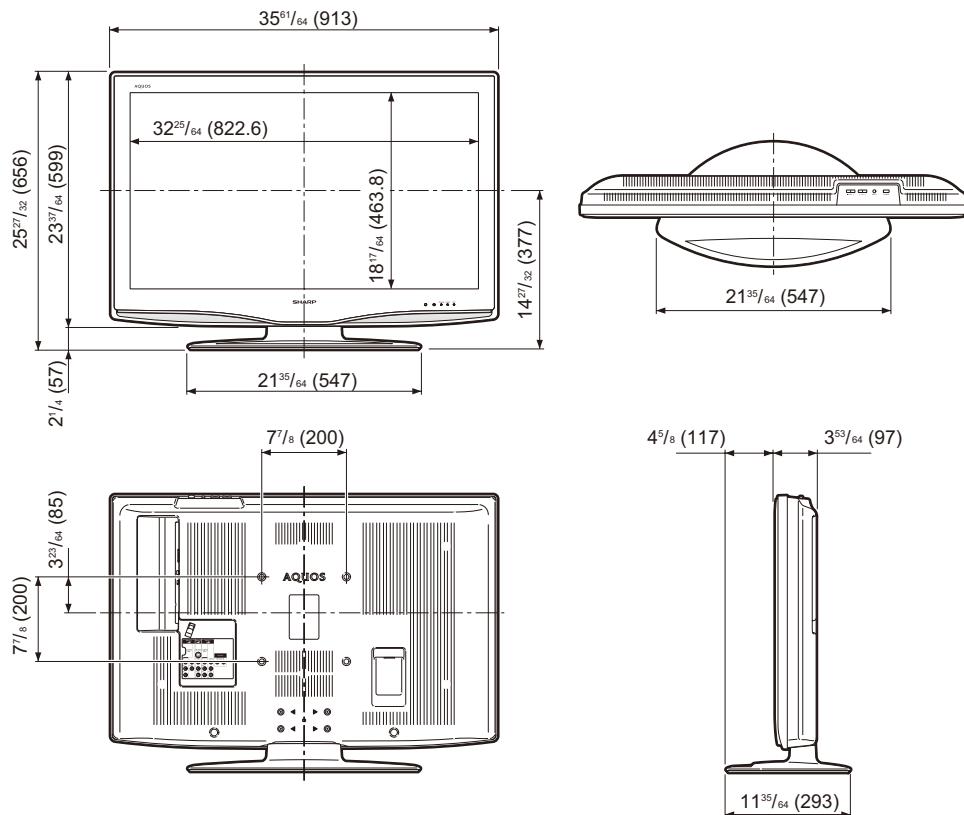
## [1] DIMENSIONS

LC-32D43U

Unit: inch/(mm)



LC-37D43U



**- M E M O -**

# SHARP PARTS GUIDE

No.SX6Y9LC37D43U

**LCD COLOR TELEVISION****LC-32D43U  
MODELS LC-37D43U**

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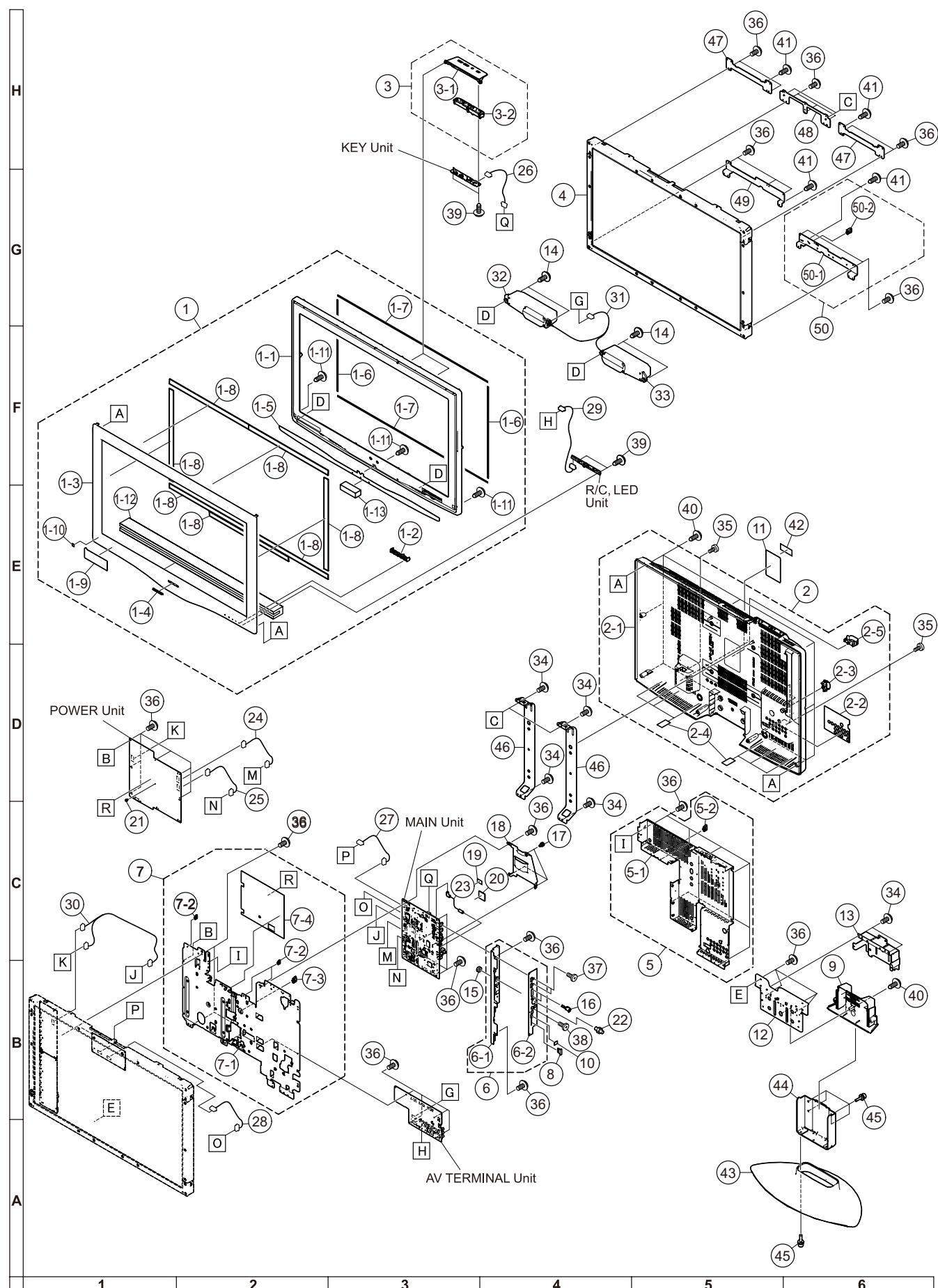
**CONTENTS**

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- [1] CABINET AND MECHANICAL PARTS (LC-32D43U)
- [2] CABINET AND MECHANICAL PARTS (LC-37D43U)
- [3] SUPPLIED ACCESSORIES
- [4] PACKING PARTS (NOT REPLACEMENT ITEM)
- [5] SERVICE JIGS (USE FOR SERVICING)

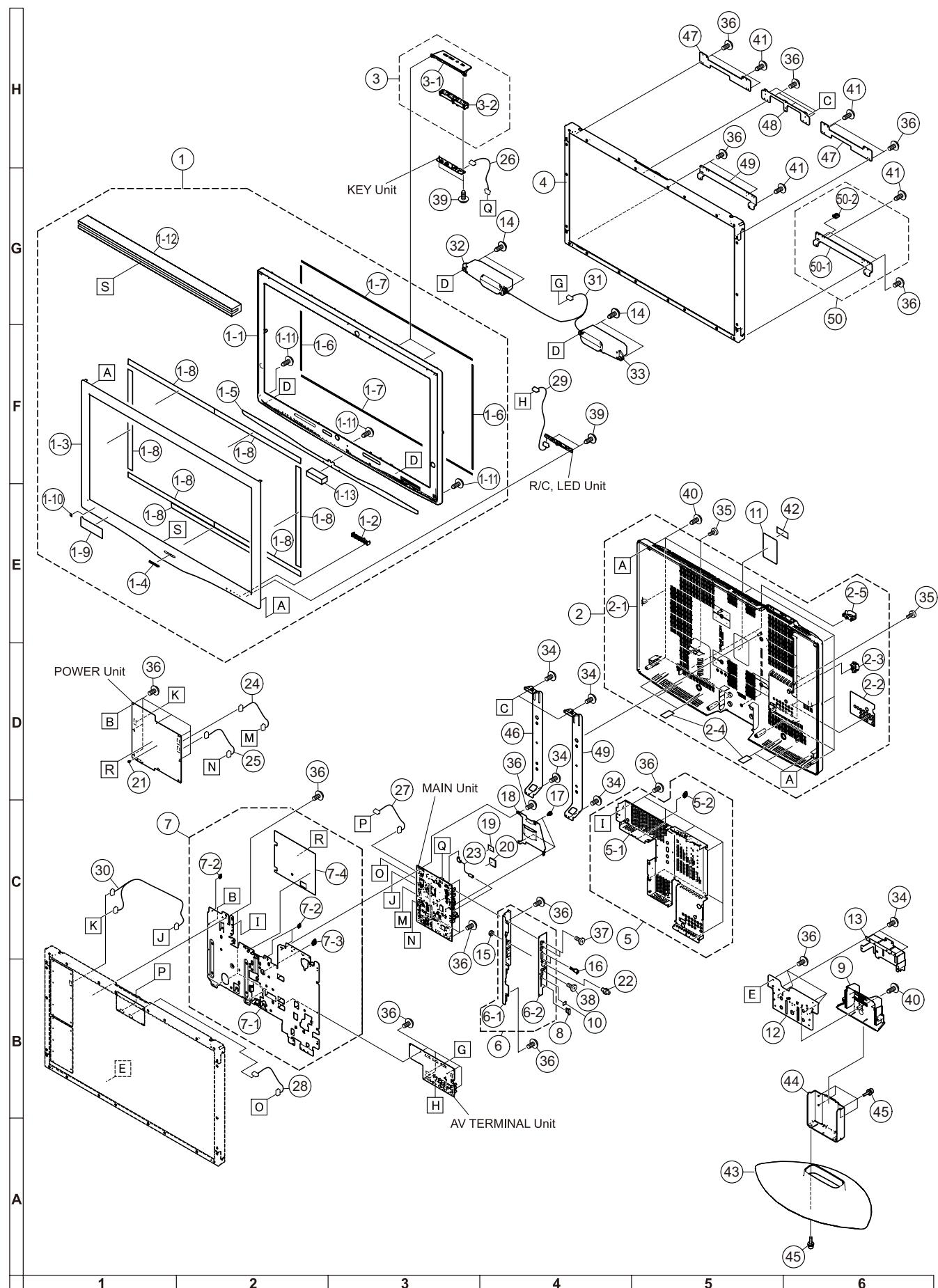
Parts marked with "▲" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

# [1] CABINET AND MECHANICAL PARTS (LC-32D43U)



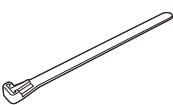
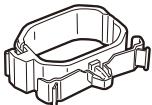
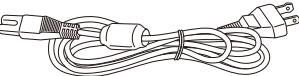
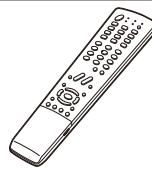
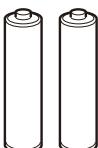
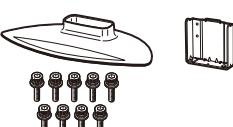
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
<b>[1] CABINET AND MECHANICAL PARTS (LC-32D43U)</b>					
1	CCABAB612WJ03	BT	N	X	Front Cabinet Ass'y
1-1	Not Available	-	N	-	Front Cabinet
1-2	Not Available	-		-	LED Cover
1-3	Not Available	-	N	-	Front Cover
1-4	Not Available	-		-	Badge, SHARP
1-5	HPNLSA100WJSA	AY	N	X	SP-Net
1-6	Not Available	-	N	-	Spacer, x2
1-7	Not Available	-	N	-	Spacer, x2
1-8	Not Available	-		-	Spacer, x7
1-9	TLABZA635WJZZ	AD		X	POP Label
1-10	TLABZB392WJSA	AF	N	X	POP Label
1-11	XJPSN30P08XS0	AA		J	Screw (for Front Cover), x3
1-12	HDECSA014WJSA	AQ	N	X	Shine trim
1-13	Not Available	-		-	Spacer
2	CCABBA950WJ01	BH	N	X	Rear Cabinet Ass'y
2-1	Not Available	-	N	-	Rear Cabinet
2-2	Not Available	-	N	-	Terminal Label
2-3	LHLDWA057WJKZ	AE		J	Wire Holder
2-4	PSPAHB078WJZZ	AS	N	X	Spacer, x6
2-5	LHLDWA055WJKZ	AC		-	Wire Holder
3	CCOVAB929WJ01	AS	N	X	Top Cover Ass'y
3-1	Not Available	-	S	-	Top Cover
3-2	Not Available	-		-	Operation Button
4	R1LK315T3LF15	EC		J	32" WIDE LCD Panel Module Unit
5	CSLDMB061WJ01	AW	N	X	MAIN Shield Ass'y
5-1	Not Available	-	S	-	MAIN Shield
5-2	LHLDWA102WJKZ	AB		J	Wire Holder, x3
6	CANGKA902WJ01	AN	N	X	Jack Angle Ass'y
6-1	Not Available	-	N	-	Jack Angle
6-2	Not Available	-	N	-	Jack Indicator
7	CCHSMA346WJ01	AZ	N	X	Tray Chassis Ass'y
7-1	Not Available	-	N	-	Tray Chassis
7-2	LHLDWA102WJKZ	AB		J	Wire Holder, x3
7-3	LHLDWA120WJKZ	AB		J	Wire Holder
7-4	Not Available	-	S	-	Barrier Sheet
8	GCOVAA678WJKA	AF		X	SD Card Cover
9	GCOVAB931WJKA	AQ	N	X	Stand Area Cover
10	HINDPB715WJSA	AC		X	Terminal Label
11	HINDPC239WJSA	AM	N	X	Model Label
12	LANGKA913WJM1	BC	N	X	Stand Fix Angle
13	LANGKA914WJFW	AL	N	X	Stand Assist Angle
14	LX-HZA003WJFN	AC		J	Screw (for SP-BOX), x4
15	LX-NZ3047GEZZ	AA		J	Nut
16	NSFTZ0134CEF	AD		J	Shaft, x2
17	PCLICA004WJKZ	AC		J	Rivet, x3
18	PRDARA414WJFW	AK	N	X	Heat Sink
19	PSPAZA635WJKZ	AC		J	Cool Sheet
20	PSPAZA917WJKZ	AH		J	Cool Sheet
21	PSPAZB030WJKZ	AB		J	Spacer
22	QCNCWA496WJZZ	AK		X	Connector (F-RCA)
23	QCNW-E249WJPZ	AH		J	Connecting Cord (ANT IN)
24	QCNW-E257WJQZ	AH		J	Connecting Cord (PE)
25	QCNW-E258WJQZ	AG		J	Connecting Cord (PD)
26	QCNW-E266WJQZ	AF		J	Connecting Cord (KM)
27	QCNW-E278WJQZ	AH		J	Connecting Cord (SH)
28	QCNW-E703WJPZ	AX		X	Connecting Cord (LV)
29	QCNW-F250WJQZ	AL	N	X	Connecting Cord (RA)
30	QCNW-F300WJQZ	AL	N	X	Connecting Cord (LA-LA-LB)
31	QCNW-F316WJQZ	AG	N	X	Connecting Cord (SP)
32	RSP-ZA215WJZZ	AY	N	X	Speaker (L)
33	RSP-ZA216WJZZ	AY	N	X	Speaker (R)
34	XBBS740P06000	AA		J	Screw (for ANG), x6
35	XBBS930P06000	AA		J	Screw (for CAB-B), x5
36	XBPS730P06WS0	AA		J	Screw (for PWB,ANG), x41
37	XBPS830P06000	AA		J	Screw (for HDMI), x2
38	XEBS930P08000	AA		J	Screw (for Jack)
39	XEBS930P10000	AA		J	Screw (for LED), x2 (for SOUSA), x2
40	XEBS940P16000	AB		J	Screw (for CAB-B), x10
41	XEBSN40P10000	AB		J	Screw (for PANEL), x4
42	Not Available	-		-	No. Label
43	CDAi-A332WJ01		N	X	Stand Base Ass'y
44	Not Available	-	N	-	Stand Support
45	LX-BZA176WJF9	AF	N	X	Screw (for Stand), x9
46	LANGTA414WJM1	AP	N	X	Center Angle, x2
47	LANGHA052WJFW	AG	N	X	Rug Angle Top, x2
48	LANGHA051WJFW	AG	N	X	Center Angle Top
49	LANGKA929WJFW	AK	N	X	Rug Angle Bottom L
50	CANGKA930WJ01	AL	N	X	Rug Angle Bottom R Ass'y
50-1	Not Available	-	N	-	Rug Angle Bottom R
50-2	LHLDWA120WJKZ	AB		J	Wire Holder

## [2] CABINET AND MECHANICAL PARTS (LC-37D43U)



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
<b>[2] CABINET AND MECHANICAL PARTS (LC-37D43U)</b>					
1	CCABAB633WJ03	BW	N	X	Front Cabinet Ass'y
1-1	Not Available	-	N	-	Front Cabinet
1-2	Not Available	-		-	LED Cover
1-3	Not Available	-	N	-	Front Cover
1-4	Not Available	-		-	Badge, SHARP
1-5	HPNLSA101WJSA	AZ	N	X	SP-Net
1-6	PSPAHA416WJZZ	AC		J	Spacer, x2
1-7	Not Available	-		-	Spacer, x2
1-8	Not Available	-		-	Spacer, x7
1-9	TLABZA635WJZZ	AD		X	POP Label
1-10	TLABZB392WJSA	AF	N	X	POP Label
1-11	XJPSN30P08XS0	AA		J	Screw (for Front Cover), x3
1-12	HDECSA015WJSA	AQ	N	X	Shine trim
1-13	Not Available	-		-	Spacer
2	CCABBA962WJ01	BD	N	X	Rear Cabinet Ass'y
2-1	Not Available	-	N	-	Rear Cabinet
2-2	Not Available	-		-	Terminal Label
2-3	LHLDWA057WJKZ	AE		J	Wire Holder
2-4	PSPAHB078WJZZ	AS	S	X	Spacer, x6
2-5	LHLDWA055WJKZ	AC			Wire Holder
3	CCOVAB929WJ01	AS	S	X	Top Cover Ass'y
3-1	Not Available	-	S	-	Top Cover
3-2	Not Available	-		-	Operation Button
4	R1LK370T3LZ5BW	EZ		J	37" WIDE LCD Panel Module Unit
5	CSLDMB061WJ01	AW		X	MAIN Shield Ass'y
5-1	Not Available	-	S	-	MAIN Shield
5-2	LHLDWA102WJKZ	AB		J	Wire Holder, x3
6	CANGKA902WJ01	AN	S	X	Jack Angle Ass'y
6-1	Not Available	-	N	-	Jack Angle
6-2	Not Available	-	N	-	Jack Indicator
7	CCHSMA346WJ01	AZ		X	Tray Chassis Ass'y
7-1	Not Available	-	N	-	Tray Chassis
7-2	LHLDWA102WJKZ	AB		J	Wire Holder, x3
7-3	LHLDWA120WJKZ	AB		J	Wire Holder
7-4	Not Available	-	S	-	Barrier Sheet
8	GCOVAA678WJKA	AF		X	SD Card Cover
9	GCOVAB931WJKA	AQ	S	X	Stand Area Cover
10	HINDPB715WJSA	AC		X	Terminal Label
11	HINDPC240WJSA	AH	N	X	Model Label
12	LANGKA913WJM1	BC		X	Stand Fix Angle
13	LANGKA914WJFW	AL		X	Stand Assist Angle
14	LX-HZA003WJFN	AC		J	Screw (for SP-BOX), x4
15	LX-NZ3047GEZZ	AA		J	Nut
16	NSFTZ0134CEF	AD		J	Shaft, x2
17	PCLICA004WJKZ	AC		J	Rivet, x3
18	PRDARA414WJFW	AK	S	X	Heat Sink
19	PSPAZA635WJKZ	AC		J	Cool Sheet
20	PSPAZA917WJKZ	AH		J	Cool Sheet
21	PSPAZB030WJKZ	AB		J	Spacer
22	QCNCWA496WJZZ	AK		X	Connector (F-RCA)
23	QCNW-E249WJPZ	AH		J	Connecting Cord (ANT IN)
24	QCNW-E257WJQZ	AH		J	Connecting Cord (PE)
25	QCNW-E258WJQZ	AG		J	Connecting Cord (PD)
26	QCNW-E266WJQZ	AF		J	Connecting Cord (KM)
27	QCNW-E278WJQZ	AH		J	Connecting Cord (SH)
28	QCNW-E703WJPZ	AX		X	Connecting Cord (LV)
29	QCNW-F265WJQZ	AM	N	X	Connecting Cord (RA)
30	QCNW-F271WJQZ	AM	N	X	Connecting Cord (LA-LA-LB)
31	QCNW-F272WJQZ	AH	N	X	Connecting Cord (SP)
32	RSP-ZA215WJZZ	AY	N	X	Speaker (L)
33	RSP-ZA216WJZZ	AY	N	X	Speaker (R)
34	XBBS740P06000	AA		J	Screw (for ANG), x6
35	XBPS930P08JS0	AB		J	Screw (for CAB-B), x5
36	XBPS730P06WS0	AA		J	Screw (for PWB,ANG), x42
37	XBPS830P06000	AA		J	Screw (for HDMI), x2
38	XEBS930P08000	AA		J	Screw (for JACK)
39	XEBS930P10000	AA		J	Screw (for LED), x2 (for SOUSA), x2
40	XEBS940P16000	AB		J	Screw (for CAB-B), x10
41	XEBSN40P10000	AB		J	Screw (for PANEL), x4
42	Not Available	-		-	No. Label
43	CDAi-A337WJ01		N	X	Stand Base Ass'y
44	Not Available	-		-	Stand Support
45	LX-BZA176WJF9	AF	N	X	Screw (for Stand), x9
46	LANGTA417WJFW	AP	N	X	Center Angle, x2
47	LANGKA932WJFW	AG	N	X	Rug Angle Top LR, x2
48	LANGKA916WJFW	AG	N	X	Chassis Fix Angle Top
49	LANGKA931WJFW	AK	N	X	Rug Angle Bottom LR
50	CANGKA931WJ01	AL	N	X	Rug Angle Bottom LR Ass'y
50-1	Not Available	-	N	-	Rug Angle Bottom LR
50-2	LHLDWA120WJKZ	AB		J	Wire Holder
51	QCNW-F273WJQZ	AG	N	X	Connecting Cord (MODEL SETTING)

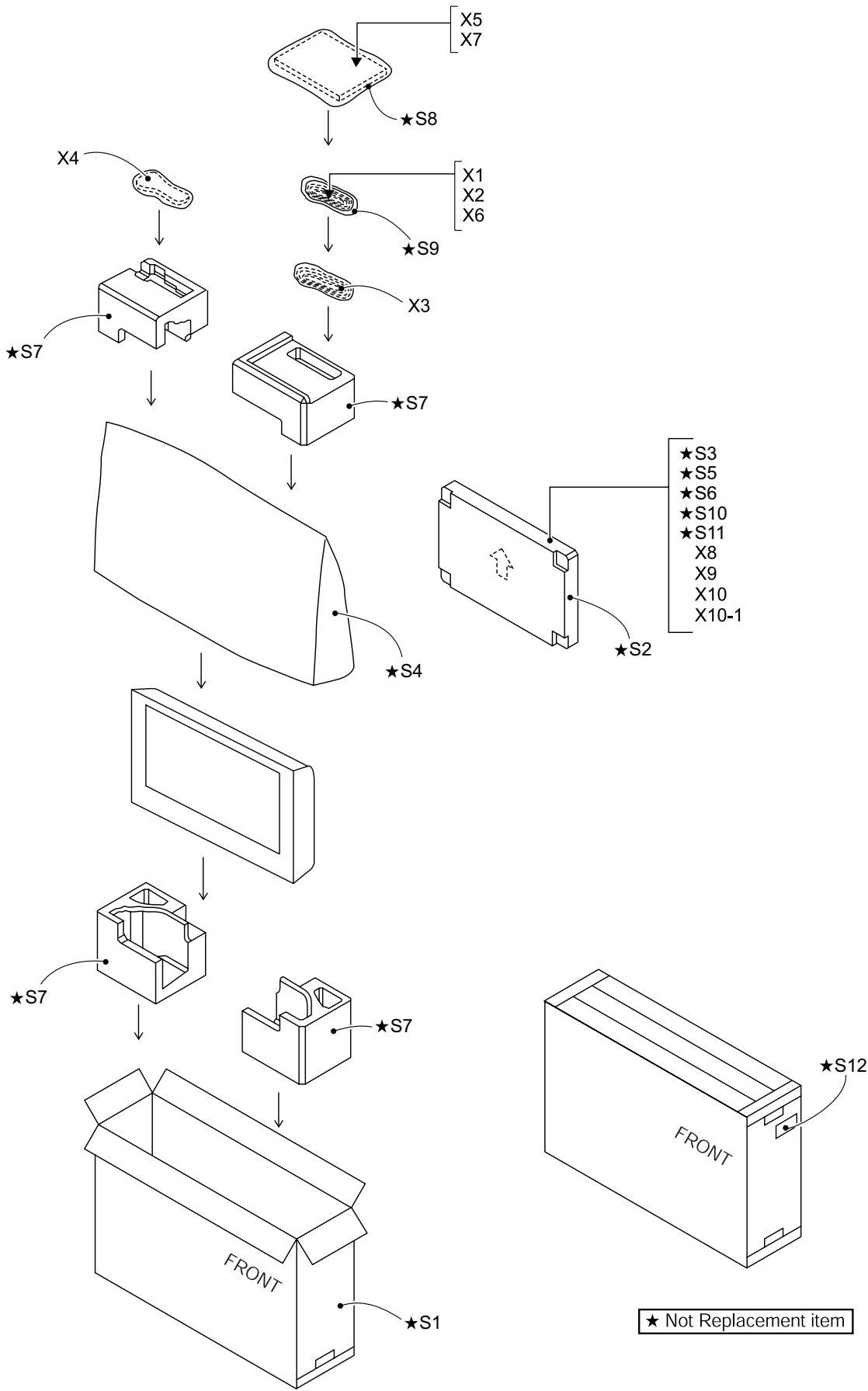
### [3] SUPPLIED ACCESSORIES

X1	Cable Band	X2	Cable Clamp	X3	AC Cord	X4	Remote Control Unit
							
X5	Operation Manual	X6	"AAA" Size Battery	X9	Stand Unit		
							 X9-1

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
<b>[3] SUPPLIED ACCESSORIES</b>					
X1	LHLDWA083WJ00	AD		J	Cable Band
X2	LHLDWA131WJKZ	AE		J	Cable Clamp
X3	QACCDAA039WJPZ	AQ		J	AC Cord
X4	RRMCGA535WJSA	AY		X	Remote Control Unit
X5	TINS-D004WJZZ	AM	N		Operation Manual
X6	Not Available	—		—	"AAA" Size Battery
X7	TCADEA208WJZZ	AD	N	X	Enquette Card
X8	Not Available	—	N	—	Caution Card
X9	CDAi-A332WJ02	BM	N	X	Stand Unit [LC-32D43U]
X9	CDAi-A337WJ02	BP	N	X	Stand Unit [LC-37D43U]
X9-1	UKOGLA001WJZZ	AK		X	Tool for Stand
X10	TGAN-A768WJZZ	AD		X	Extend warranty

▲

#### [4] PACKING PARTS (NOT REPLACEMENT ITEM)



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
<b>[4] PACKING PARTS (NOT REPLACEMENT ITEM)</b>					
S1	SPAKCD351WJZZ	-	N	-	Packing Case [LC-32D43U]
S1	SPAKCD352WJZZ	-	N	-	Packing Case [LC-37D43U]
S2	SPAKFB119WJZZ	-	N	-	Stand Case [LC-32D43U]
S2	SPAKFB132WJZZ	-	N	-	Stand Case [LC-37D43U]
S3	SPAKFB120WJZZ	-	N	-	Stand Pad [LC-32D43U]
S3	SPAKFB133WJZZ	-	N	-	Stand Pad [LC-37D43U]
S4	SPAKPA794WJZZ	-	N	-	Wrapping Paper (Monitor) [LC-32D43U]
S4	SPAKPA795WJZZ	-	N	-	Wrapping Paper (Monitor) [LC-37D43U]
S5	SPAKPA796WJZZ	-	N	-	Mirror Mat Base [LC-32D43U]
S5	SPAKPA797WJZZ	-	N	-	Mirror Mat Base [LC-37D43U]
S6	SPAKPA798WJZZ	-	N	-	Mirror Mat Sup
S7	SPAKXB306WJZZ	-	N	-	Packing Add. [LC-32D43U]
S7	SPAKXB320WJZZ	-	N	-	Packing Add. [LC-37D43U]
S8	SSAKA0101GJZZ	-		-	Polyethylene Bag
S9	SSAKAA032WJZZ	-		-	Polyethylene Bag
S10	SSAKHA020WJZZ	-		-	Polyethylene Bag (for Screw)
S11	SSAKHA033WJZZ	-	N	-	Polyethylene Bag (for Cloth)
S12	T LABKA009WJZZ	-		-	No. Label

**[5] SERVICE JIGS (USE FOR SERVICING)**

N	QCNW-D483WJQZ	AX		J	Connecting Cord (PE (PA) 12pin 100cm)
0					MAIN to POWER Unit
N	QCNW-E068WJQZ	AS		J	Connecting Cord (PD (MI) 6pin 100cm)
0					MAIN to POWER Unit
N	QCNW-F304WJQZ	AV		J	Connecting Cord (LA/LB 4p-8p 130cm)
0					MAIN to INVERTER Unit
0					Connecting Cord (LA 10p-14p 100cm)
0					POWER to INVERTER Unit
N	QCNW-E673WJPZ	BP		J	Connecting Cord (LV 30pin 100cm)
0					MAIN to LCD CONTROL Unit
N	QCNW-E674WJQZ	AS		J	Connecting Cord (SH 7pin 100cm)

**- M E M O -**

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# SHARP SERVICE MANUAL

No. S47G2LC37D42U

## SUPPLEMENT



## LCD COLOR TELEVISION

**LC-37D42U  
LC-37D43U  
MODELS    LC-C3742U**

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.

### OUTLINE

In this Service Manual, only parts in the LCD module are shown. For the other points, refer to the LC-37D42U/LC-37D43U/LC-C3742U (S06X9LC32D42U/SX6Y9LC37D43U/SX6Y7LCC3742U) Service Manual.

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.

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This document has been published to be used for after sales service only.  
The contents are subject to change without notice.

## OUTLINE AND ADJUSTMENT

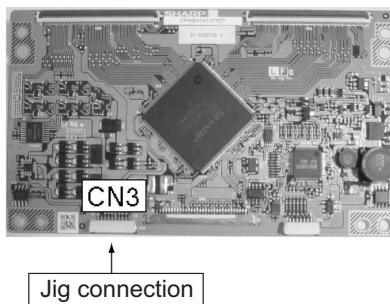
### [1] Outline

In this Service Manual, only parts in the LCD module are shown. For the other points, refer to the LC-37D42U/LC-37D43U/LC-C3742U (S06X9LC32D42U/SX6Y9LC37D43U/SX6Y7LCC3742U) Service Manual.

### [2] Adjustment

**When replacing the LCD control PCB, follow these steps to adjust VCOM.**

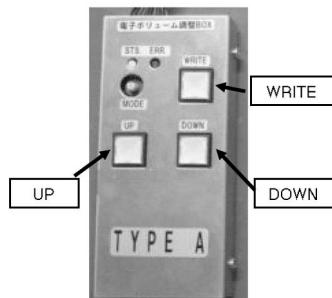
- 1) Remove the wire from the LCD control PCB CN3.
- 2) Connect a wire of the VCOM adjustment jig (electronic volume adjustment BOX) to CN3 (see Fig. 1).
- 3) Turn on the TV set.
- 4) Turn on the jig (connect to the AC).
- 5) Enter the process mode to display the item "LCD TEST PATTERN OFF" (see Fig. 2).
- 6) Press the volume up key once to display a flicker pattern.
- 7) Press the jig's UP/DOWN switch while looking at the screen to adjust the point so that the flicker is minimized (see Fig. 3).
- 8) After completing adjustment, press the WRITE switch and make sure the lamp of the WRITE button goes out. (Writing is complete when the lamp goes out.)
- 9) Turn off the jig (turn the AC off).
- 10) Turn off the TV set.
- 11) Remove the jig's wire connected to CN3.
- 12) Reconnect the wire of the set to CN3.



**Fig. 1 Jig connecting location**



**Fig. 2 Test pattern selection screen**



**Fig. 3 VCOM adjustment jig (RUNTZA059WJZZ)**

# SHARP PARTS GUIDE



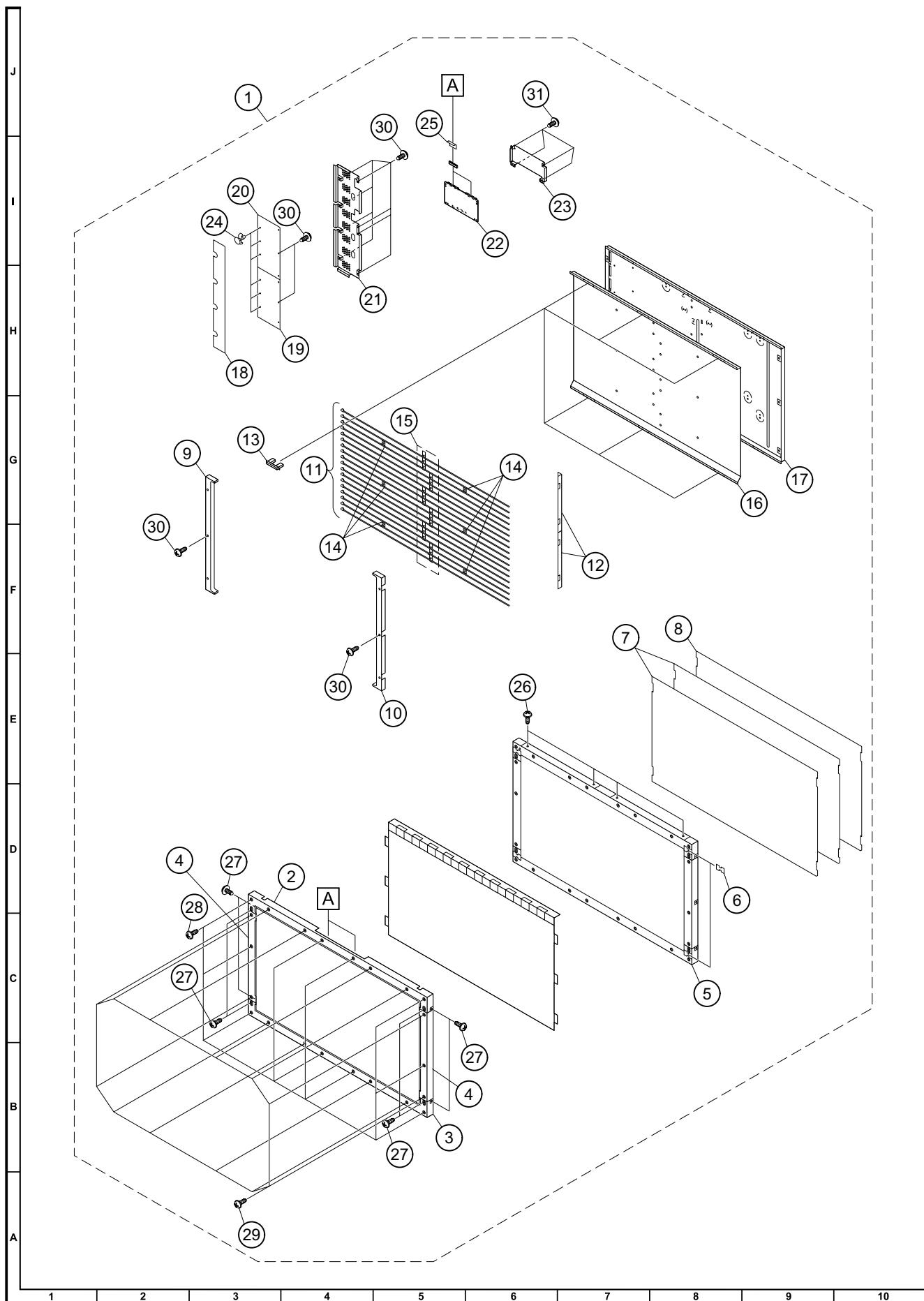
**LCD COLOR TELEVISION**

**LC-37D42U  
LC-37D43U  
MODELS LC-C3742U**

## CONTENTS

- [1] LCD MODULE Assembly

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.

**[1] LCD MODULE Assembly**

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
<b>[1] LCD MODULE Assembly</b>					
1	R1LK370T3LZ5BW	EZ	N	J	LCD Module Ass'y
2	CANGTA274WJ01	AX	N	J	Vessel (Top)
3	CANGTA277WJ01	AW	N	J	Vessel (Bottom)
4	CANGTA275WJ01	AN	N	J	Vessel (L, R), x2
5	CHLDZA701WJ01	BD	N	J	Panel Holder Ass'y
6	CHLDZA711WJ01	AD	N	J	Spacer Ass'y, x2
7	PSLDK2674TPNZ		N	J	Reflection Sheet, x2
8	PSLDK2677TPNZ		N	J	Diffusion Panel
9	CHLDZA704WJ01		N	J	Lamp Holder-L
10	CHLDZA703WJ01		N	J	Lamp Holder-R
11	CLMPCA003WJ01		N	J	Lamp Unit, x9
12	LHLDZA707WJKZ	AF	N	J	Lamp Holder (Bottom), x2
13	LHLDZA709WJKZ	AC	N	J	Sheet Holder, x6
14	LHLDZA713WJKZ	AC	N	J	Sheet Clip, x6
15	LHLDZA702WJKZ	AC	N	J	Lamp clip, x6
16	PREFL2378TPNZ		N	J	Reflection Mirror
17	CCHSMA280WJ01		N	J	Chassis
18	PZETKA174WJKZ	AL	N	J	Insulation Sheet
19	RUNTKA216WJZZ	BM	N	J	INVERTER Unit A
20	RUNTKA217WJZZ	BG	N	J	INVERTER Unit B
21	PSLDMA892WJFW		N	J	Shield Plate (for Inverter)
22	CPWBX3508TPZQ	BR	N	J	LCD CONTROL Unit
23	PSLDMA893WJFW	AK	N	J	Shield Plate (for LCD CONTROL Unit)
24	PSPAZB030WJKZ	AB	N	J	Spacer, x6
25	QPWBMD670WJNZ		N	J	CS-FPC1, x2
26	LX-LZA101WJZZ	AC	N	J	Clip, x4
27	LX-BZ2102TPZZ		N	J	Screw, x8
28	XEPS930P10000	AA		J	Screw, x10
29	XBPSN30P14000	AA		J	Screw, x12
30	XBPS730P06WS0	AA		J	Screw, x12
31	XBPS730P06000	AA		J	Screw, x4

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