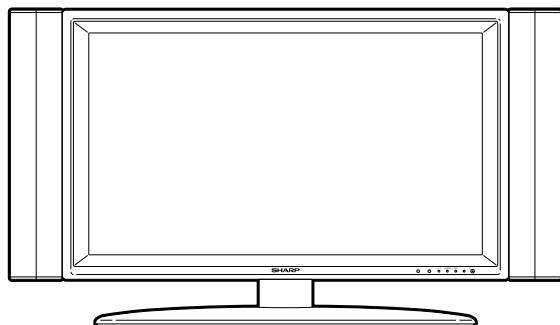


SHARP

SERVICE MANUAL

S84Z1LC37GA4E



LCD COLOR TELEVISION

MODELS LC-32GA4E LC-37GA4E

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

This model is based on the LC-32/37GA3E and is equipped with a redesigned speaker. This Service Manual covers the modifications alone. For the other points, refer to the LC-32/37GA3E Service Manual.

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LIST OF CHANGED PARTS

LC-32GA3E → LC-32GA4E

Ref.No.	Description	LC-32GA3E	LC-32GA4E	Note
PWB ASSEMBLIES				
	LCD CONTROL Unit	DUNTKC268VJ89	DUNTKC268VJ90	Some parts changed
	CPU Unit	DUNTKC427VJ21	←	—
	MAIN Unit	DUNTKC585VJ13 (E)	DUNTKC585VJ16 (E)	No parts changed
		DUNTKC585VJ14 (K)	DUNTKC585VJ17 (K)	No parts changed
		DUNTKC585VJ19 (F)	DUNTKC585VJ18 (F)	No parts changed
		DUNTKC585VJ34 (I)	DUNTKC585VJ37 (I)	No parts changed
		DUNTKC585VJ36 (R)	DUNTKC585VJ38 (R)	No parts changed
	DVI Unit	DUNTKC595VJ17	DUNTKC595VJ18	No parts changed
	AV Unit	DUNTKC642UJ01 (E/I/R)	DUNTKC642UJ04 (E/I/R)	No parts changed
		DUNTKC642UJ02 (K)	DUNTKC642UJ05 (K)	No parts changed
		DUNTKC642UJ03 (F)	DUNTKC642UJ06 (F)	No parts changed
	KEY Unit	DUNTKC643UJ01 (E/I/R)	DUNTKC643UJ04 (E/I/R)	No parts changed
		DUNTKC643UJ02 (K)	DUNTKC643UJ05 (K)	No parts changed
		DUNTKC643UJ03 (F)	DUNTKC643UJ06 (F)	No parts changed
	R/C LED Unit	DUNTKC644UJ01 (E/I/R)	DUNTKC644UJ04 (E/I/R)	No parts changed
		DUNTKC644UJ02 (K)	DUNTKC644UJ05 (K)	No parts changed
		DUNTKC644UJ03 (F)	DUNTKC644UJ06 (F)	No parts changed
	EXT SP TERMINAL Unit	DUNTKC645UJ01 (E/I/R)	DUNTKC645UJ04 (E/I/R)	No parts changed
		DUNTKC645UJ02 (K)	DUNTKC645UJ05 (K)	No parts changed
		DUNTKC645UJ03 (F)	DUNTKC645UJ06 (F)	No parts changed
	FRONT Unit	DUNTKC646UJ01 (E/I/R)	DUNTKC646UJ04 (E/I/R)	No parts changed
		DUNTKC646UJ02 (K)	DUNTKC646UJ05 (K)	No parts changed
		DUNTKC646UJ03 (F)	DUNTKC646UJ06 (F)	No parts changed
	POWER Unit	RDENCA068WJZZ	←	—
	INVERTER-A Unit	RUNTKA069WJZZ	←	—
	INVERTER-B Unit	RUNTKA070WJZZ	←	—
	INVERTER-A-GND Unit	RUNTKA071WJZZ	←	—
	INVERTER-B-GND Unit	RUNTKA072WJZZ	←	—
	1-Bit Amplifier Unit	B2SX4102BT	←	—
LCD PANEL				
	32" Wide LCD Panel Unit	RLCDA028WJZZ	←	—
LCD CONTROL Unit				
R2026	Metal Oxide	VRS-CY1JF223JY	—	Delete
R2029	Metal Oxide	—	VRS-CY1JF223JY	Add
CABINET AND MECHANICAL PARTS				
Please refer to a Parts list.				
PACKING PARTS AND ACCESSORIES				
Please refer to a Parts list.				

LIST OF CHANGED PARTS

LC-37GA3E → LC-37GA4E

Ref.No.	Description	LC-37GA3E	LC-37GA4E	Note
PWB ASSEMBLIES				
	LCD CONTROL Unit	DUNTKC268VJ91	DUNTKC268VJ92	Some parts changed
	CPU Unit	DUNTKC427VJ21	←	—
	MAIN Unit	DUNTKC585VJ21 (E)	DUNTKC585VJ24 (E)	No parts changed
		DUNTKC585VJ22 (K)	DUNTKC585VJ25 (K)	No parts changed
		DUNTKC585VJ23 (F)	DUNTKC585VJ26 (F)	No parts changed
		DUNTKC585VJ39 (I)	DUNTKC585VJ42 (I)	No parts changed
		DUNTKC585VJ40 (R)	DUNTKC585VJ43 (R)	No parts changed
	DVI Unit	DUNTKC595VJ19	DUNTKC595VJ20	No parts changed
	AV Unit	DUNTKC642UJ07 (E/I/R)	DUNTKC642UJ11 (E/I/R)	No parts changed
		DUNTKC642UJ08 (K)	DUNTKC642UJ12 (K)	No parts changed
		DUNTKC642UJ10 (F)	DUNTKC642UJ13 (F)	No parts changed
	KEY Unit	DUNTKC643UJ07 (E/I/R)	DUNTKC643UJ11 (E/I/R)	No parts changed
		DUNTKC643UJ08 (K)	DUNTKC643UJ12 (K)	No parts changed
		DUNTKC643UJ10 (F)	DUNTKC643UJ13 (F)	No parts changed
	R/C LED Unit	DUNTKC644UJ07 (E/I/R)	DUNTKC644UJ11 (E/I/R)	No parts changed
		DUNTKC644UJ08 (K)	DUNTKC644UJ12 (K)	No parts changed
		DUNTKC644UJ10 (F)	DUNTKC644UJ13 (F)	No parts changed
	EXT SP TERMINAL Unit	DUNTKC645UJ07 (E/I/R)	DUNTKC645UJ11 (E/I/R)	No parts changed
		DUNTKC645UJ08 (K)	DUNTKC645UJ12 (K)	No parts changed
		DUNTKC645UJ10 (F)	DUNTKC645UJ13 (F)	No parts changed
	FRONT Unit	DUNTKC646UJ07 (E/I/R)	DUNTKC646UJ11 (E/I/R)	No parts changed
		DUNTKC646UJ08 (K)	DUNTKC646UJ12 (K)	No parts changed
		DUNTKC646UJ10 (F)	DUNTKC646UJ13 (F)	No parts changed
	POWER Unit	RDENCA068WJZZ	←	—
	INVERTER-A Unit	RUNTKA080WJZZ	←	—
	INVERTER-B Unit	RUNTKA081WJZZ	←	—
	INVERTER-A-GND Unit	RUNTKA082WJZZ	←	—
	INVERTER-B-GND Unit	RUNTKA083WJZZ	←	—
	1-Bit Amplifier Unit	B2SX4102BT	←	—
LCD PANEL				
	37" Wide LCD Panel Unit	RLCDDTA027WJZZ	←	—
LCD CONTROL Unit				
R2026	Metal Oxide	VRS-CY1JF223JY	—	Delete
R2029	Metal Oxide	—	VRS-CY1JF223JY	Add
CABINET AND MECHANICAL PARTS				
Please refer to a Parts list.				
PACKING PARTS AND ACCESSORIES				
Please refer to a Parts list.				

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 FUSE

F1701, F1702 (6.3A, 250V),
F1703 (2.0A, 250V)
LC-32GA4E: F7401, F7501 (6.3A, 250V)
LC-37GA4E: F7401, F7501 (10A, 250V)

- 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.

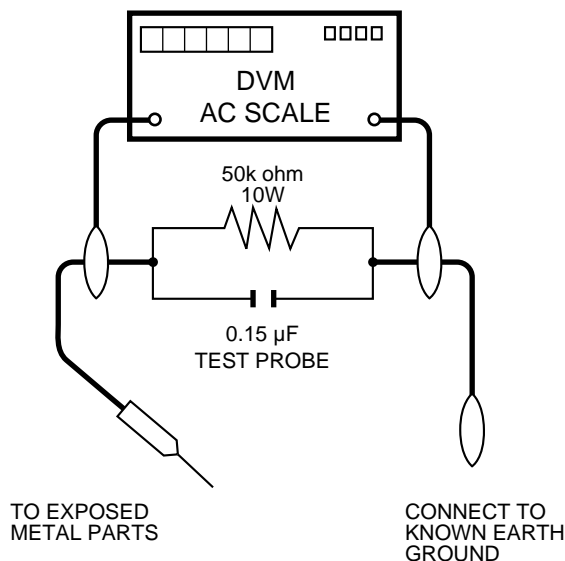
All checks must be repeated with the AC cord plug connection reversed. (If necessary, a nonpolarized adaptor plug must be used only for the purpose of completing these checks.)

Any reading of 0.75V rms (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.

BEFORE RETURNING THE RECEIVER (Fire & Shock Hazard)

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

1. 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.
2. 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.
3. 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 50k ohm, 10 watt resistor paralleled by a 0.15 μ 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.



SAFETY NOTICE

Many electrical and mechanical parts in Liquid Crystal 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 “ \triangle ” 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

1 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:

LFa

Sn-Ag-Cu

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

2 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.

3 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

SPECIFICATIONS

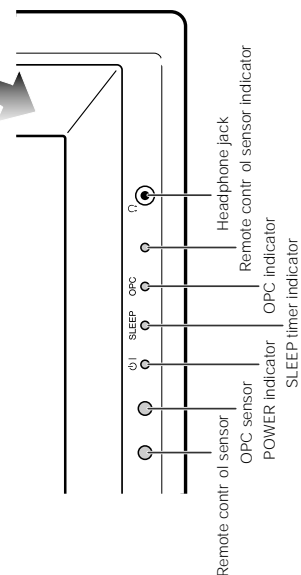
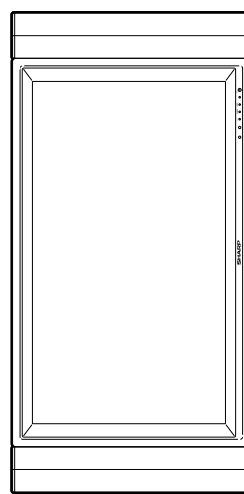
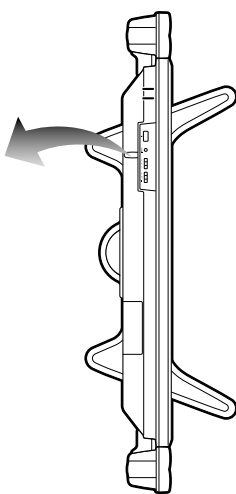
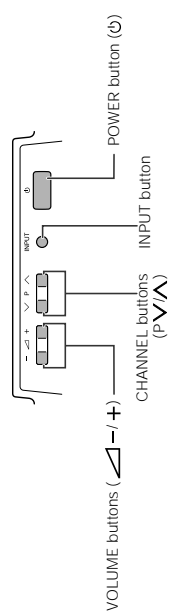
Item			Model: LC-32GA4E	Model: LC-37GA4E
LCD panel			32" Advanced Super View & BLACK TFT LCD	37" Advanced Super View & BLACK TFT LCD
Number of dots			3,147,264 dots (1366 × 768 × 3 dots)	
Video Colour System			PAL/SECAM/NTSC 3.58/NTSC 4.43/PAL 60	
TV Function	TV-Standard (CCIR)		B/G, I, D/K, L, L'	
	Receiving Channel	VHF/UHF	E2–E69ch, F2–F10ch, I21–I69ch, IR A–IR Jch	
		CATV	Hyper-band, S1–S41ch	
	TV-Tuning System		Auto Preset 99 ch, Auto Label, Auto Sort	
	STEREO/BILINGUAL		NICAM/A2	
Brightness			450 cd/m²	
Viewing angles			H : 170° V : 170°	
Audio amplifier			10 W × 2	
Speakers			Ø 8 cm 2pcs, Ø 2.5 cm 2pcs	
Terminals	Rear	ANTENNA IN	UHF/VHF 75 Ω Din type	
		INPUT 1	SCART (AV input, RGB input, TV output)	
		INPUT 2	SCART (AV input/output, Y/C input, AV Link)	
		INPUT 3	SCART (AV input/output, Y/C input, RGB input), RCA pin (Component input)	
		INPUT 4	S-VIDEO (Y/C input), RCA pin (AV input)	
		INPUT 5	Ø 3.5 mm jack (Audio input), DVI-I (DVI-I input)	
		AUDIO OUTPUT	RCA pin (Variable/Fixed), switchable with INPUT 4	
		DC OUTPUT	DC 9V 7W MAX	
		SPEAKER	External speaker output terminal (L and R)	
		CENTRE CHANNEL INPUT	RCA pin	
	RS-232C	D-sub 9pin male connector		
	Front	Headphones	Ø 3.5 mm jack (Audio output)	
OSD language			English/German/French/Italian/Spanish/Dutch/Swedish/Portuguese/Finnish/Turkish/Greek/Russian/Polish	
Power Requirement			AC 220–240 V, 50 Hz	
Power Consumption			143 W (3 W Standby) (Method IEC60107)	181 W (3 W Standby) (Method IEC60107)
Weight			16.2 kg (Display only) 19.8 kg (with Display and speakers) 24 kg (with Display, speakers and stand)	18.1 kg (Display only) 22.2 kg (with Display and speakers) 26.4 kg (with Display, speakers and stand)
Accessories			Operation manual, Remote control unit (× 1), AC cord (× 1), "AAA" size battery (× 2)	

- As a part of policy of continuous improvement, SHARP reserves the right to make design and specification 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.

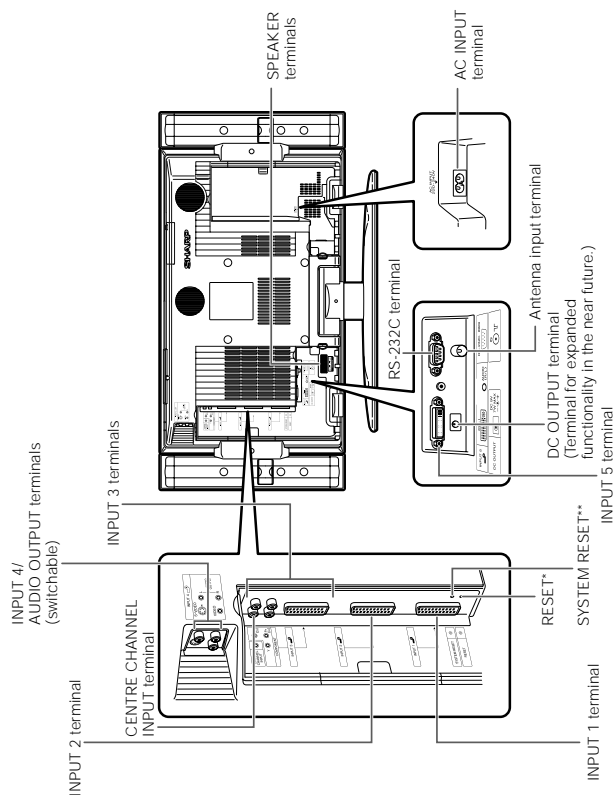
OPERATION MANUAL

Part names

Display



Display



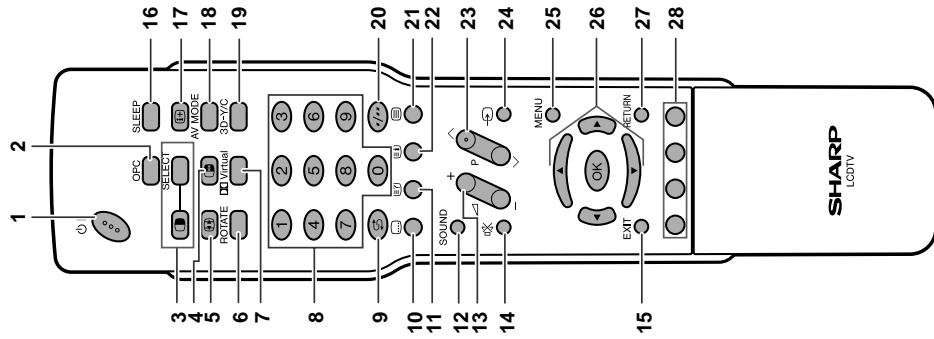
- * Press **RESET** if the TV cannot return to its original state after performing various operations.
- AV MODE resets to USER.
- Analogue TV channel resets to channel 1.
- Dual picture resets to normal.
- Audio setting initializes.
- Dolby Virtual resets to Off.
- Image position initializes.

NOTE

- Pressing **RESET** will not work if the TV is in standby mode (indicator lights red).
 - Pressing **RESET** will not delete channel preset and PIN.
- for initializing to the factory preset values when you forget your PIN.

Part names

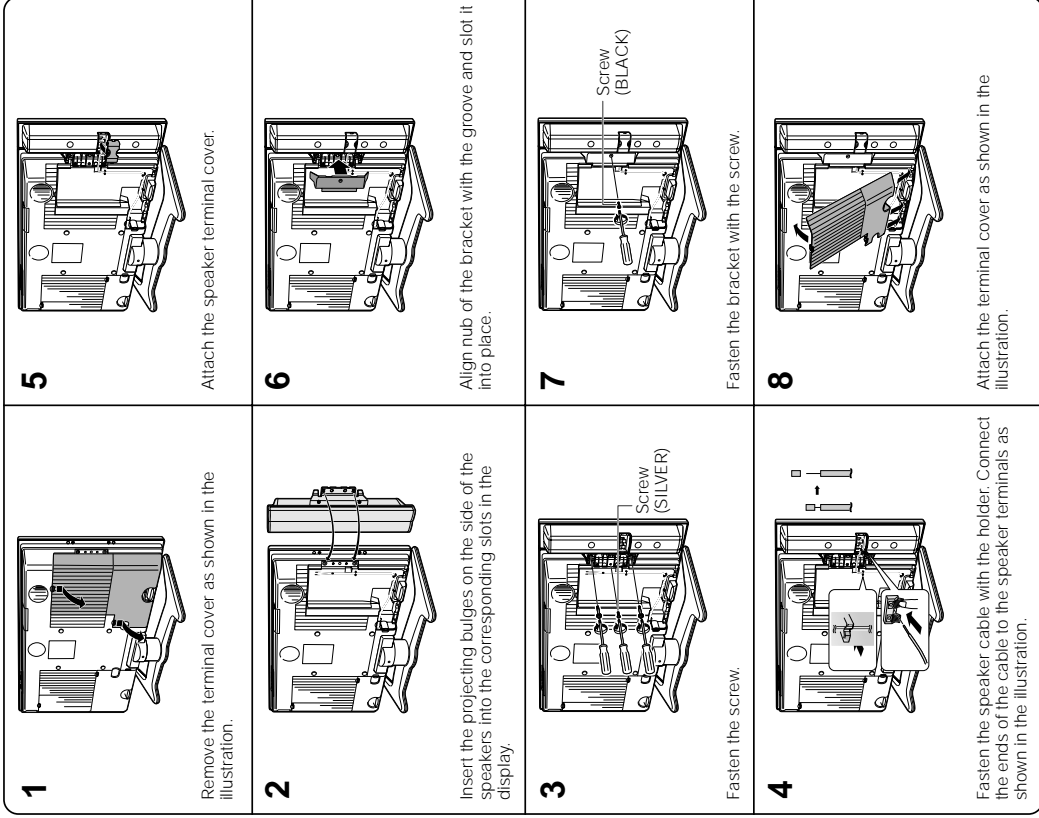
Remote control unit



• When using the remote control unit, point it at the Display.

Preparation

Attaching speakers



Do not remove the stand and speaker from the TV unless using an optional bracket to mount it.
Before performing work spread cushioning over the base area to lay the TV on. This will prevent it from being damaged.



Perform the same steps for right speaker.
To remove the speakers, perform the steps in reverse order.

Preparation

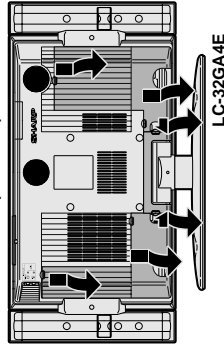
Setting the TV

After putting the TV in place, connect the AC cord.

1

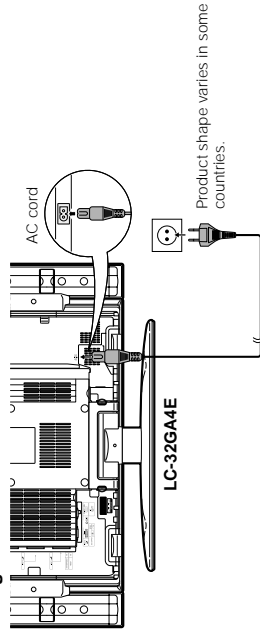
Removing the terminal cover
TV (rear view)

Press down the hooks
to remove the cover
toward you.



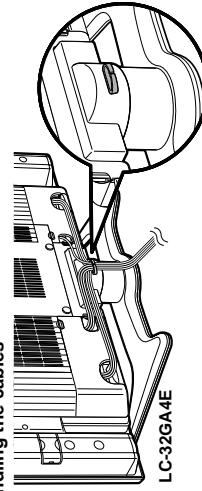
2

Connecting the AC cord to the TV



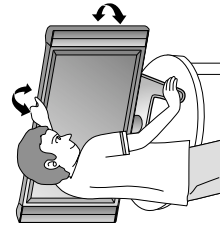
3

Bundling the cables



CAUTION

• TO PREVENT RISK OF ELECTRIC SHOCK, DO NOT TOUCH UN-INSULATED PARTS OF ANY CABLES WITH THE AC CORD CONNECTED.



CAUTION

Adjust the screen with both hands. Put one hand on the Display and tilt the screen while steadying the stand with your other hand. You can adjust the screen vertically up to 2 degrees forward or 6 degrees backward, or rotate 20 degrees horizontally.

Removing the stand

Before detaching (or attaching) stand, unplug the AC cord from the AC outlet.

CAUTION

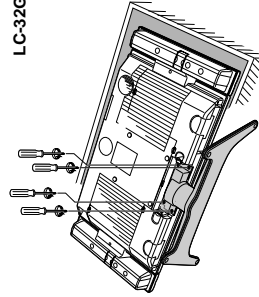
• Do not remove the stand from the TV unless using an optional wall mount bracket to mount it.

Before attaching/detaching stand

- Before performing work make sure to turn off the TV.
- Before performing work spread cushioning over the base area to lay the TV on. This will prevent it from being damaged.

1

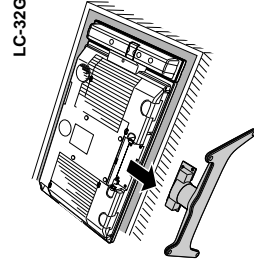
LC-32GA4E



Unfasten the four screws used to secure the stand in place.

2

LC-32GA4E



Detach the stand from the TV.
(Hold the stand so it will not drop from the edge of the base area.)

NOTE

• To attach the stand, perform the above steps in reverse order.

Setting theTV on the wall

CAUTION

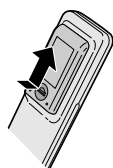
• Installing the Liquid Crystal Television requires special skill that should only be performed by qualified service personnel. Customers should not attempt to do the work themselves. SHARP bears no responsibility for improper mounting or mounting that results in accident or injury

- You can ask a qualified service personnel about using an optional AN-37AG2 bracket to mount the TV to the wall.

Preparation

Inserting the batteries

Before using the TV for the first time, insert two "AAA" size batteries (supplied). When the batteries become depleted and the remote control fails to operate, replace the batteries with new "AAA" size batteries.



- 1 Press and slide the battery cover to open it.
- 2 Insert two supplied "AAA" size batteries.
 - Place batteries with their terminals corresponding to the (+) and (−) indications in the battery compartment.
- 3 Close the battery cover.

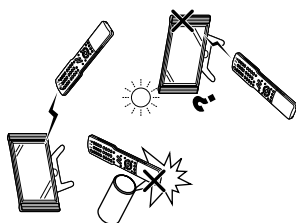
CAUTION

Improper use of batteries can result in chemical leakage or explosion. Be sure to follow the instructions below.

- Do not mix batteries of different types. Different types of batteries have different characteristics.
- Do not mix old and new batteries. Mixing old and new batteries can shorten the life of new batteries or cause chemical leakage in old batteries.
- Remove batteries as soon as they have worn out. Chemicals that leak from batteries can cause a rash. If you find any chemical leakage, wipe thoroughly with a cloth.
- The batteries supplied with this product may have a shorter life expectancy due to storage conditions.
- If you will not be using the remote control unit for an extended period of time, remove the batteries from it.

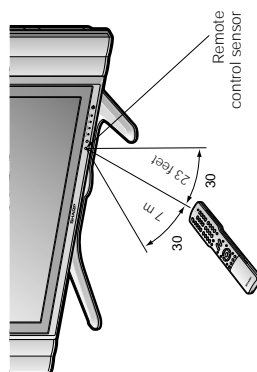
Using the remote control unit

Use the remote control unit by pointing it towards the remote sensor window. Objects between the remote control unit and sensor window may prevent proper operation.



Cautions regarding remote control unit

- Do not expose the remote control unit to shock. In addition, do not expose the remote control unit to liquids, and do not place in an area with high humidity.
- Do not install or place the remote control unit under direct sunlight. The heat may cause deformation of the unit.
- The remote control unit may not work properly if the remote sensor window of the Display is under direct sunlight or strong lighting. In such case, change the angle of the lighting or Display, or operate the remote control unit closer to the remote sensor window.

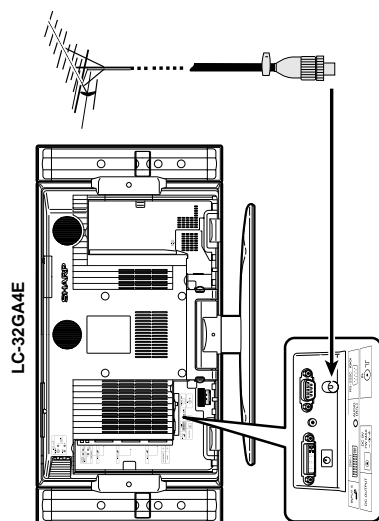


Simple operations for watching a TV programme

Basic connection

Connecting to an antenna

To enjoy a clearer picture, use an outdoor antenna. The following is a brief explanation of connecting to an antenna with a coaxial cable.



Antenna cables—commercially available

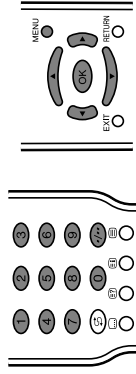


If your outdoor antenna uses a 75-ohm coaxial cable with a standard DIN45325 plug (IEC 169-2), plug it into the IN terminal at the rear of the TV.

Preparation

Initial auto installation

When the TV powers on for the first time after purchase the initial auto installation is invoked. You can automatically set language, country and channels in successive operations.



NOTE

- The initial auto installation functions only once. If the initial auto installation is not completed, (ex: When menu screen disappeared by not operating for a few minutes, when the power shut down, etc.), try Auto Installation from the set up menu.
- The initial auto installation stops by pressing **RETURN**.

1

Setting the on-screen display language

- Press **▲/▼/◀/▶** to select the desired language listed on the screen.
- Press **OK** to enter the setting.

Language list

Dutch	Polish
English	Portuguese
Finnish	Russian
French	Spanish
German	Swedish
Greek	Swedish
Italian	Turkish

2

Setting the country or area

- Press **▲/▼/◀/▶** to select your country or area listed on the screen.
- Press **OK** to enter the setting.
- The programme auto search starts at the same time.

Country list

Austria	Poland
Belgium	Portugal
Denmark	Russia
Finland	Spain
France	Sweden
Germany	Switzerland
Greece	Turkey
Ireland	United Kingdom
Italy	West Europe
Luxembourg	East Europe
Netherlands	
Norway	

After this setting, auto search starts with the following order.

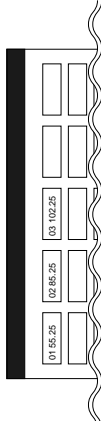
- Programme auto search
 - Auto labelling
 - Auto sorting
 - Preset download
- You do not need to do anything during the auto search.

NOTE

- The illustrations and on-screen displays in this manual are for explanation purposes and may vary slightly from the actual operations.

Automatic channel searching

Channel auto search finds all channels viewable in your area.

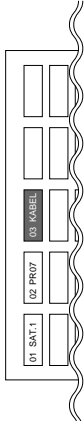


NOTE

- If no channel is found, "No programme found." displays. And the auto installation finishes.

Automatic channel labelling

After finding TV channels, the TV starts naming each TV channel found.

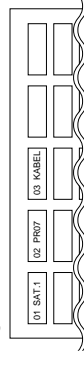


NOTE

- The TV can only name channels where the channel labelling information is provided. If no channel labelling information is provided, the TV only displays the channel number, leaving the channel name blank.

Automatic channel sorting

When channel auto labelling finishes, the TV starts sorting the labelled channels.



Preset download

When auto sorting finishes, the TV automatically downloads and stores each sorted channel from VCR.

- When a VCR is connected via INPUT 2, the TV sends all preset channel information to the VCR.
- * Auto installation completed.* displays. After that, the screen changes to the auto installation menu.

Watching TV

The setup menu disappears and you can watch the programme on channel 1.

Appendix

RS-232C port specifications

PC Control of the System

- When a program is set, the display can be controlled from the PC using the RS-232C terminal. The input signal (PC/Video) can be selected, the volume can be adjusted and various other adjustments and settings can be made, enabling automatic programmed playing.
- Attach an RS-232C cable cross-type (commercially available) to the supplied Din/D-sub RS-232C for the connections.

NOTE

- This operation system should be used by a person who is accustomed to using PCs.

Communication conditions

Set the RS-232C communications settings on the PC to match the display's communications conditions. The display's communications settings are as follows:

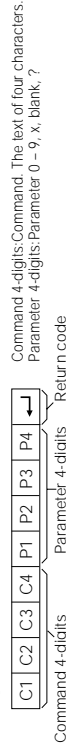
Baud rate:	9,600 bps
Data length:	8 bits
Parity bit:	None
Stop bit:	1 bit
Flow control:	None

Communication procedure

Send the control commands from the PC via the RS-232C connector. The Display operates according to the received command and sends a response message to the PC. Do not send multiple commands at the same time. Wait until the PC receives the OK response before sending the next command.

Command format

Eight ASCII codes + CR



Parameter

Input the parameter values, aligning left, and fill with blank(s) for the remainder. (Be sure that four values are input for the parameter.) When the input parameter is not within an adjustable range, "ERR" returns. (Refer to "Response code format".)

0			
0	0	0	9
-	3	0	
1	0	0	
0	0	5	5
?			
?	?	?	?

When "?" is input for some commands, the present setting value responds.

Appendix

Response code format

Normal response

O K →

Return code (0DH)

Problem response (communication error or incorrect command)

E R R →

Return code (0DH)

Commands

CONTROL ITEM	COMMAND	PARAMETER	CONTROL CONTENTS
POWER-SETTING	P O W E R	0 - - - -	POWER OFF (STANDBY)
INPUT SELECTION A	I N P U T	0 - - - -	INPUT SWITCHING (TOGGLE)
	I N P U T	1 - - - -	TV (CHANNEL FREQ)
	I N P U T	2 - - - -	TV (CHANNEL FREQ)
	I N P U T	3 - - - -	INPUT1 - 5 (0 - 5)
CHANNEL	C H A N N E L	0 - - - -	TV DIRECT CHANNEL (0 - 99)
	C H A N N E L	1 - - - -	CHANNEL UP
	C H A N N E L	2 - - - -	CHANNEL DOWN
INPUT SELECTION B	I N P U T	0 - - - -	INPUT1 (CVBS)
	I N P U T	1 - - - -	INPUT1 (RGB)
	I N P U T	2 - - - -	INPUT2 (CVBS)
	I N P U T	3 - - - -	INPUT2 (RGB)
	I N P U T	4 - - - -	INPUT3 (CVBS)
	I N P U T	5 - - - -	INPUT3 (RGB)
	I N P U T	6 - - - -	INPUT3 (COMPONENT)
	I N P U T	7 - - - -	INPUT4 (AUTO)
	I N P U T	8 - - - -	INPUT4 (S-VIDEO)
	I N P U T	9 - - - -	INPUT4 (VIDEO)
	I N P U T	0 - - - -	DIGITAL PC
	I N P U T	1 - - - -	ANALOGUE PC
	I N P U T	2 - - - -	DIGITAL AV
	I N P U T	3 - - - -	ANALOGUE AV
	I N P U T	4 - - - -	TOGGLE
AV MODE SELECTION	A V M O D E	0 - - - -	STANDARD
	A V M O D E	1 - - - -	MOVIE
	A V M O D E	2 - - - -	GAME
	A V M O D E	3 - - - -	USER
	A V M O D E	4 - - - -	DYNAMIC
VOLUME	V O L U M E	0 - - - -	VOLUME (0 - 60)

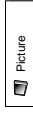
NOTE

- If an underbar (_) appears in the parameter column, enter a space.
- If an asterisk (*) appears, enter a value in the range indicated in brackets under CONTROL CONTENTS.

Basic adjustment settings

*TV/AV input mode menu items

List of AV menu items to help you with operations



OPC
Backlight
Contrast
Brightness
Colour
Tint
Sharpness
Advanced
C.M.S.
Colour Temp.
Black
3D-Y/C
Monochrome
Film Mode
I/P Setting



Treble
Bass
Balance
Dolby Virtual



No Signal Off
No Operation Off



Auto Installation
Programme Setup
Child Lock
Input Label
Speaker Setup
Position
WSS
4:3 Mode
Rotate
Language



Audio Only
DNR
Input Select
INPUT 4
Quick Shoot
Colour System
Centre Channel Input

*PC input mode menu items

List of PC menu items to help you with operations



OPC
Backlight
Contrast
Brightness
Red
Green
Blue
Advanced
C.M.S.



Treble
Bass
Balance
Dolby Virtual



Power Management



Speaker Setup
Input Signal
Auto Sync.
Fine Sync.
Input Label
Rotate
Language

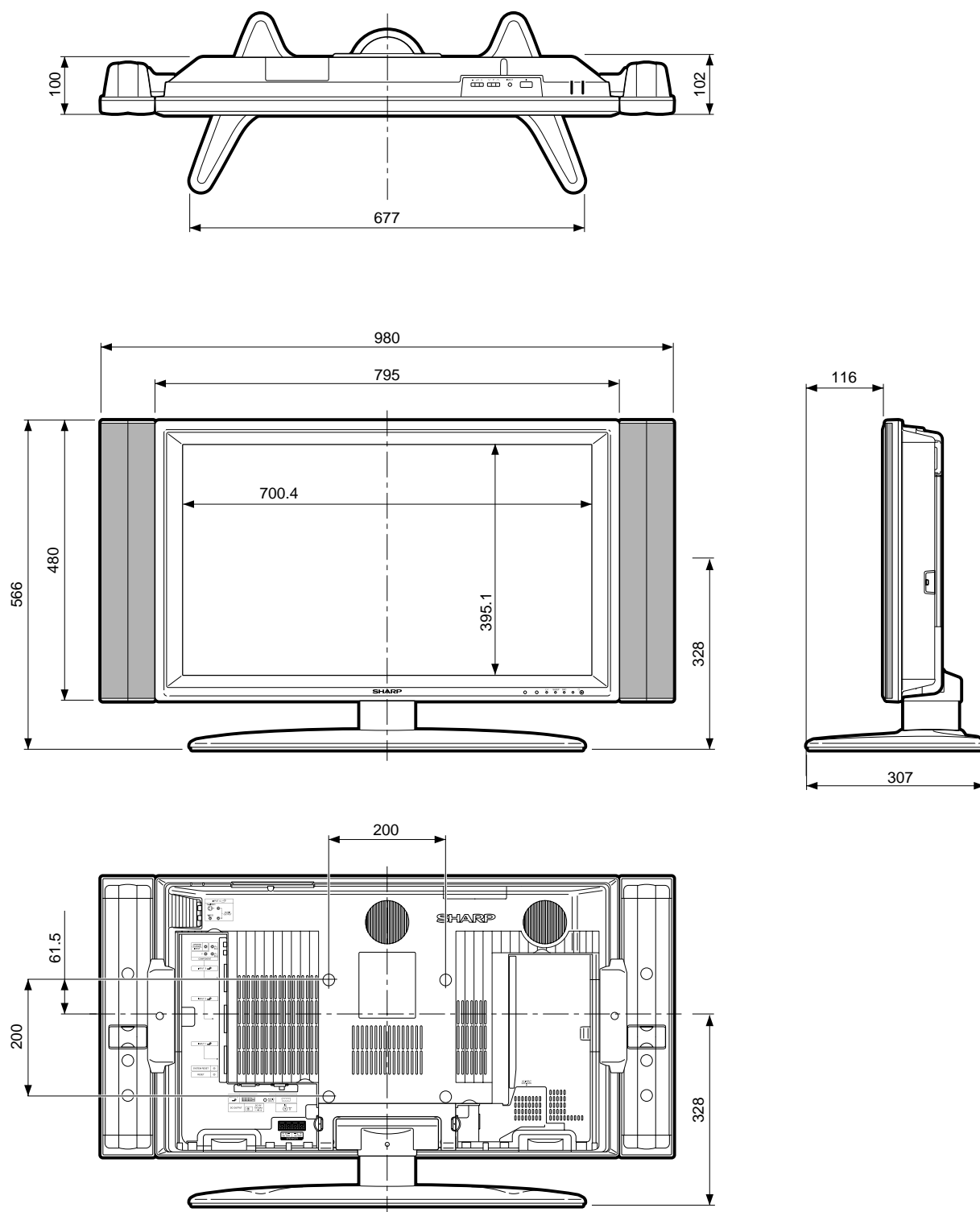


Audio Only
Input Select
INPUT 4
Quick Shoot
Centre Channel Input

*When INPUT5 is set to PC

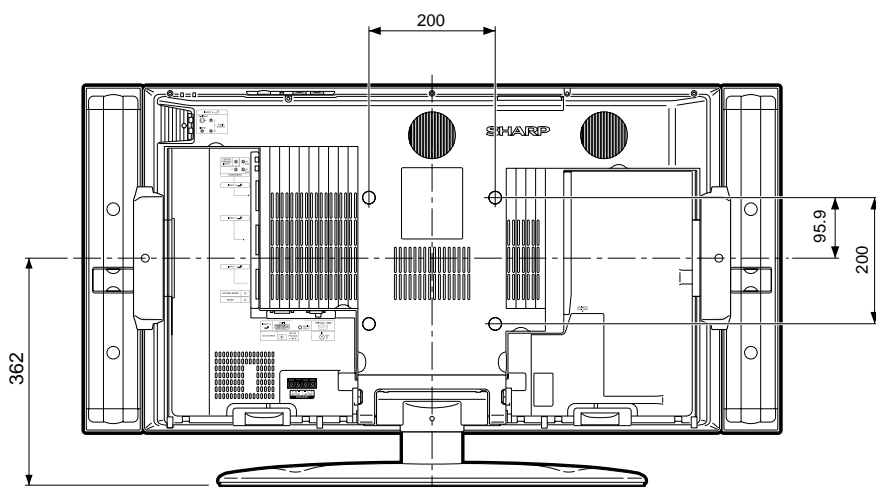
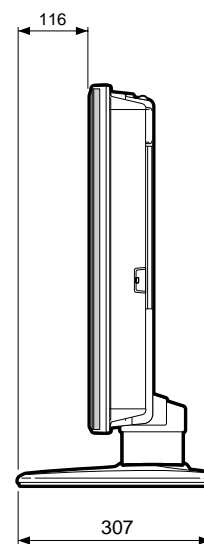
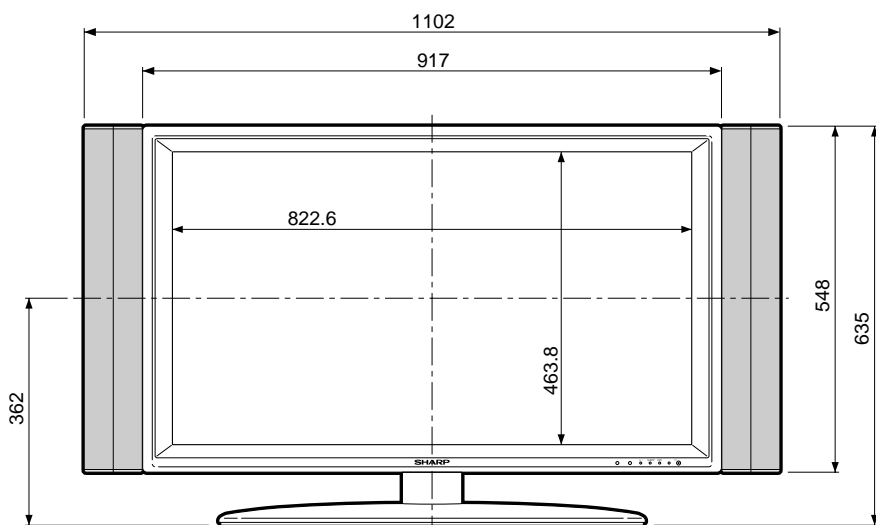
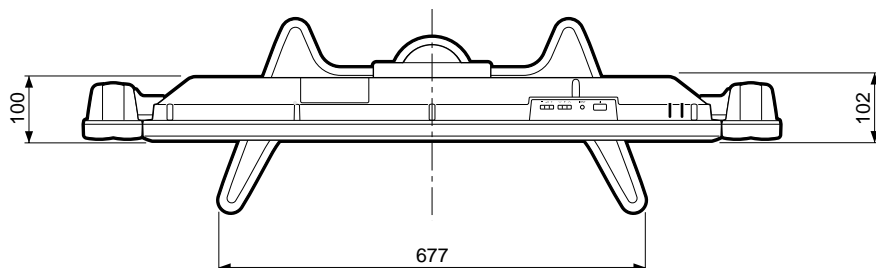
DIMENSIONS (LC-32GA4E)

Unit: mm



DIMENSIONS (LC-37GA4E)

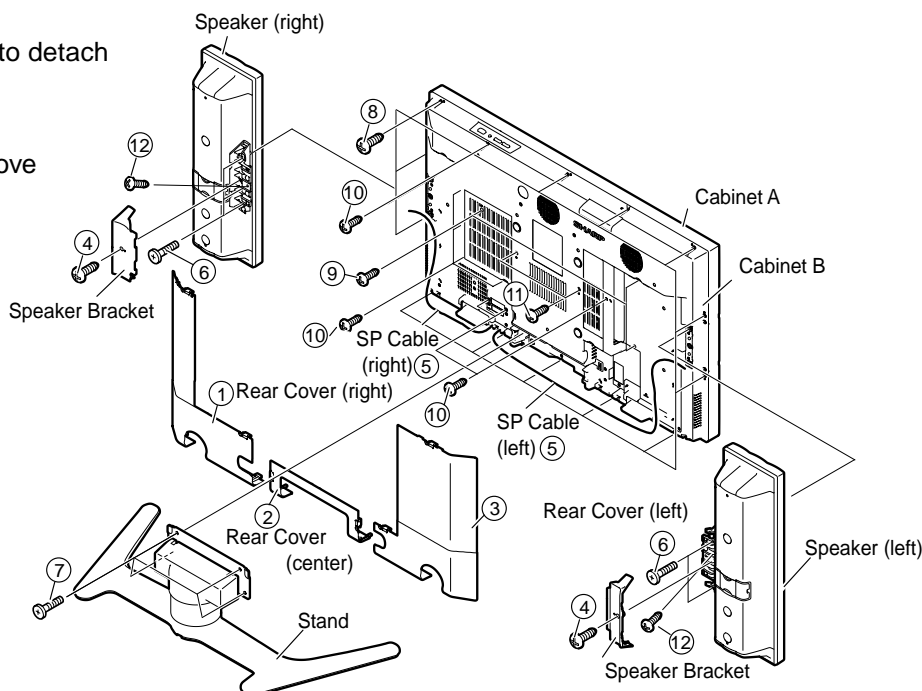
Unit: mm



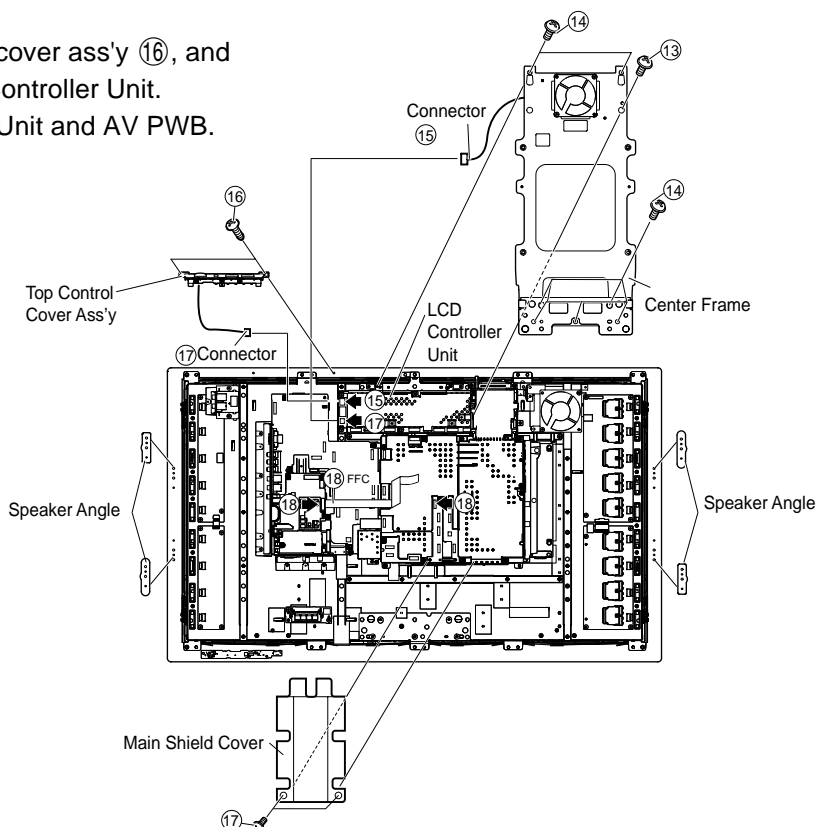
REMOVING OF MAJOR PARTS

■ Display

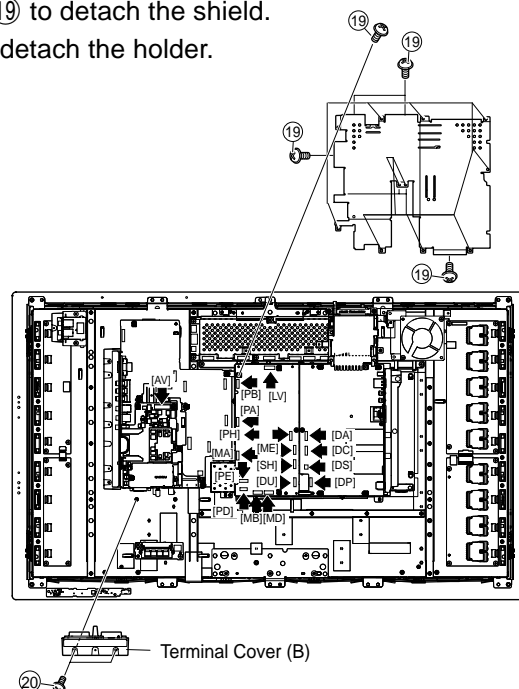
1. Remove the rear covers ①, ② and ③.
2. Remove 2 screws for fixing the right and left speaker brackets ④, and then detach the right and left SP Cables ⑤.
3. Remove 4 speaker fixing screws ⑥ and 2 screws ⑫ from the right and left speakers to detach the both speakers from the MAIN Unit.
4. Remove 4 stand fixing screws ⑦ to detach the stand.
5. Remove 16 cabinet fixing screws (⑧: 13 pcs., ⑨: 3 pcs.), and remove 10 terminal fixing screws (⑩: 8 pcs., ⑪: 2 pcs.) to detach the Cabinet B.



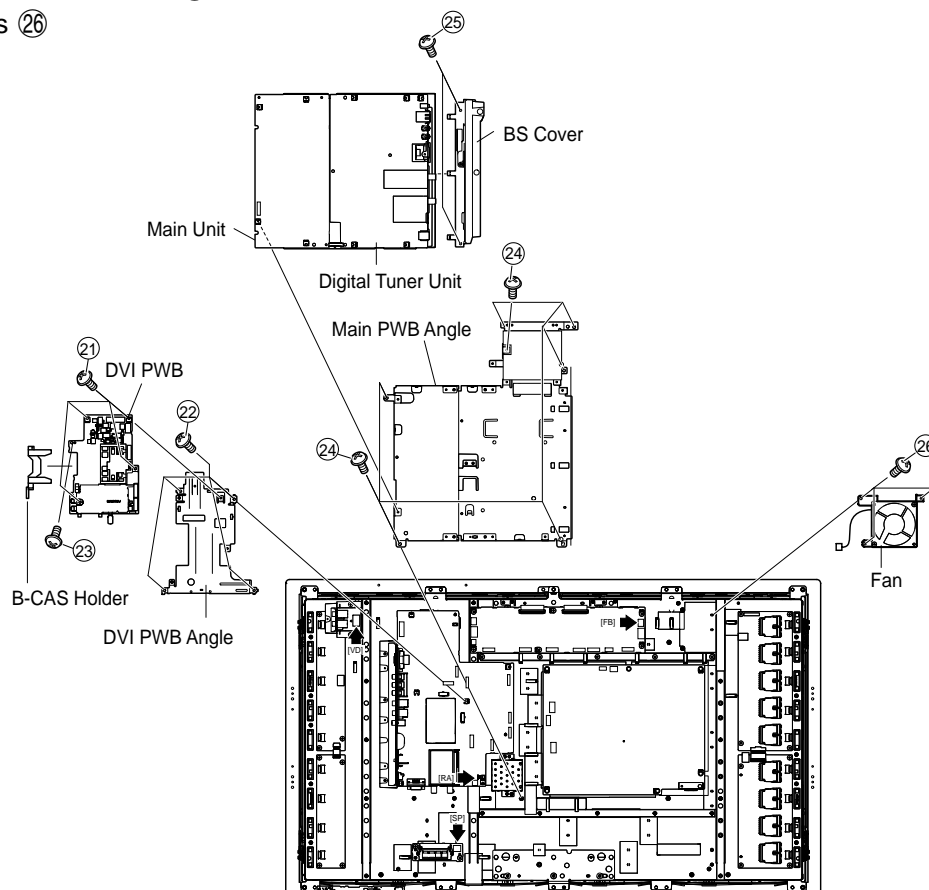
6. Remove 1 panel frame fixing screw ⑬.
7. Remove 7 center frame fixing screws ⑭.
8. Remove the connector ⑮ from the LCD Controller Unit, and then detach the center frame.
9. Remove 2 screws for fixing the top control cover ass'y ⑯, and then detach the connector ⑰ of the LCD Controller Unit.
10. Remove the FFC ⑱ connecting the Main Unit and AV PWB.



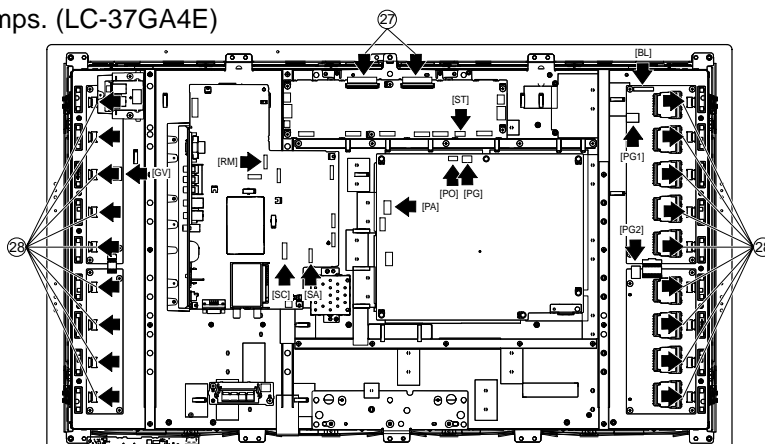
11. Remove the LV, PB, PA, PH, PD, PE, MA, MB, MD, DP, SH, DU, DS, ME, DC, DA and AV connectors.
12. Remove 15 screws for fixing the Main PWB shield (top) ⑲ to detach the shield.
13. Remove 2 screws for fixing the Terminal Cover (B) ⑳ to detach the holder.



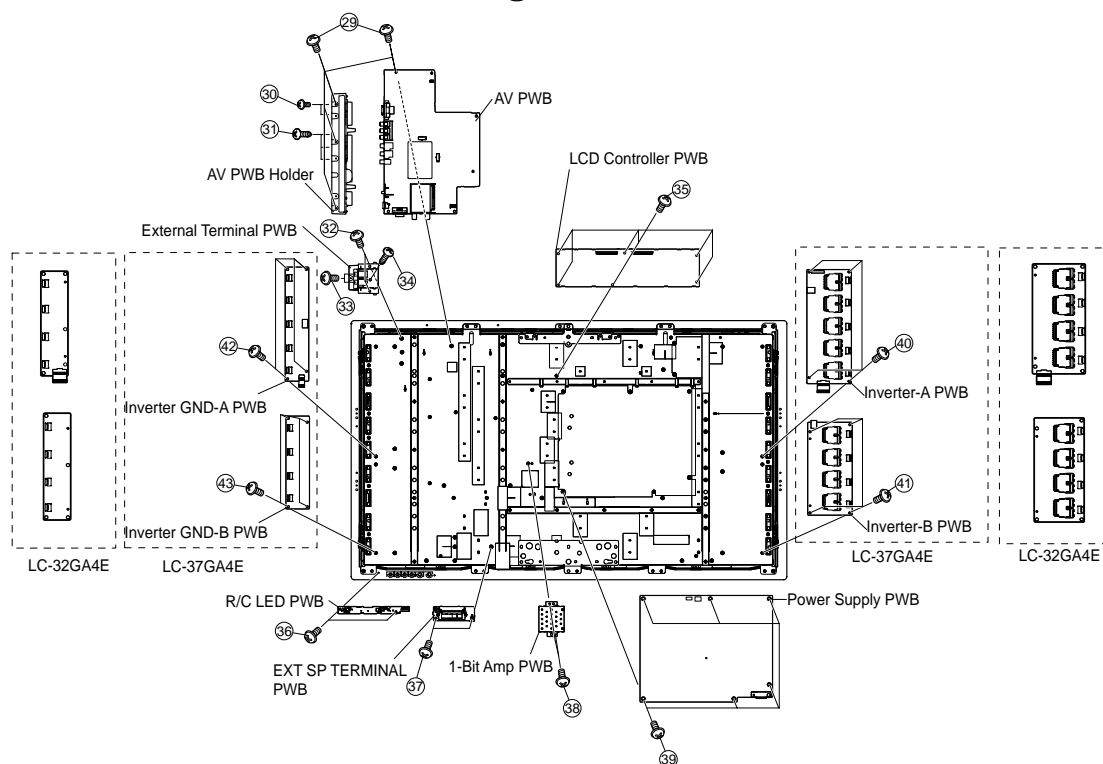
14. Remove 4 screws for fixing the DVI PWB ass'y ㉑ to detach the Ass'y.
15. Remove 4 screws for fixing the AV PWB angle ㉒ to detach the angle.
16. Remove screws for fixing the B-CAS Holder ㉓ to detach the Holder.
17. Remove the FB, VD, RA, SP connectors.
18. Remove the Main Unit and digital tuner unit.
19. Remove 6 screws for fixing the Main PWB Angle ㉔ to detach the angle.
20. Remove 2 screws for fixing the BS Cover ㉕ to detach the Cover.
21. Remove 3 fan fixing screws ㉖ to detach the fan.



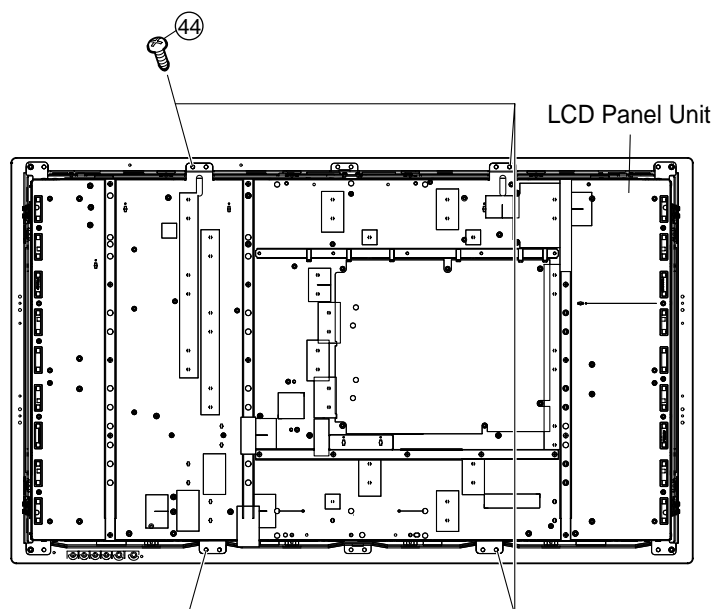
22. Remove the RM, ST, PA, SA, SC, GV, PG, PG1, PG2, PO and BL connectors.
23. Remove 2 FPC ②⑦ connecting the LCD panel and LCD controller unit.
24. Remove 16 connectors ②⑧ from the lamps. (LC-32GA4E)
Remove 18 connectors ②⑧ from the lamps. (LC-37GA4E)



25. Remove 4 AV PWB fixing screws ②⑨ to detach the AV PWB. Remove 5 terminal fixing screws (③⑩: 2 pcs., ③⑪: 3 pcs.) to detach the AV PWB holder from the AV PWB.
26. Remove 2 screw for fixing the external terminal PWB ③⑫ and center screw ③⑬ to detach the external terminal PWB.
Remove 2 screw for fixing external terminal PWB holder ③⑭ to detach the external terminal PWB holder from the external terminal PWB.
27. Remove 6 screws for fixing the LCD controller PWB ③⑮ to detach the LCD controller PWB.
28. Remove 2 screws for fixing the R/C LED PWB ③⑯ to detach the R/C LED PWB.
29. Remove 2 EXT SP terminal unit fixing screws ③⑰ to detach the EXT SP terminal unit.
30. Remove 2 screws for fixing the 1-Bit Amp PWB ③⑱ to detach the 1-Bit Amp PWB.
31. Remove 6 screws for fixing the Power Supply PWB ③⑲ to detach the Power Supply PWB.
32. Remove 4 screws for fixing the Inverter A PWB ④① to detach the inverter A PWB.
33. Remove 4 screws for fixing the Inverter B PWB ④② to detach the inverter B PWB.
34. Remove 4 screws for fixing the Inverter GND-A PWB ④③ to detach the inverter GND-A PWB.
35. Remove 4 screws for fixing the Inverter GND-B PWB ④④ to detach the inverter GND-B PWB.

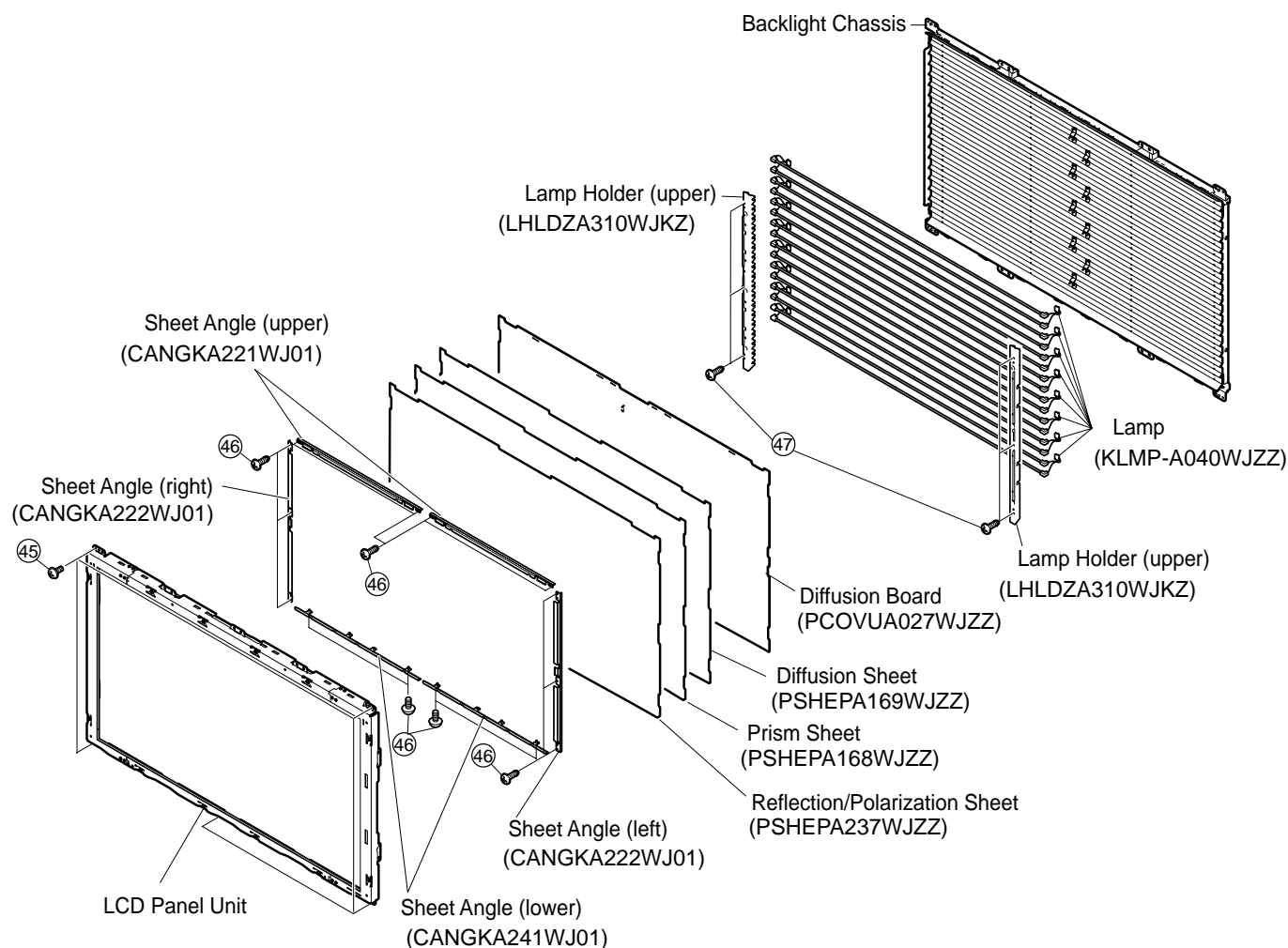


36. Remove 4 screws for fixing the LCD Panel Unit④④ to detach the LCD Panel Unit from the Cabinet A.



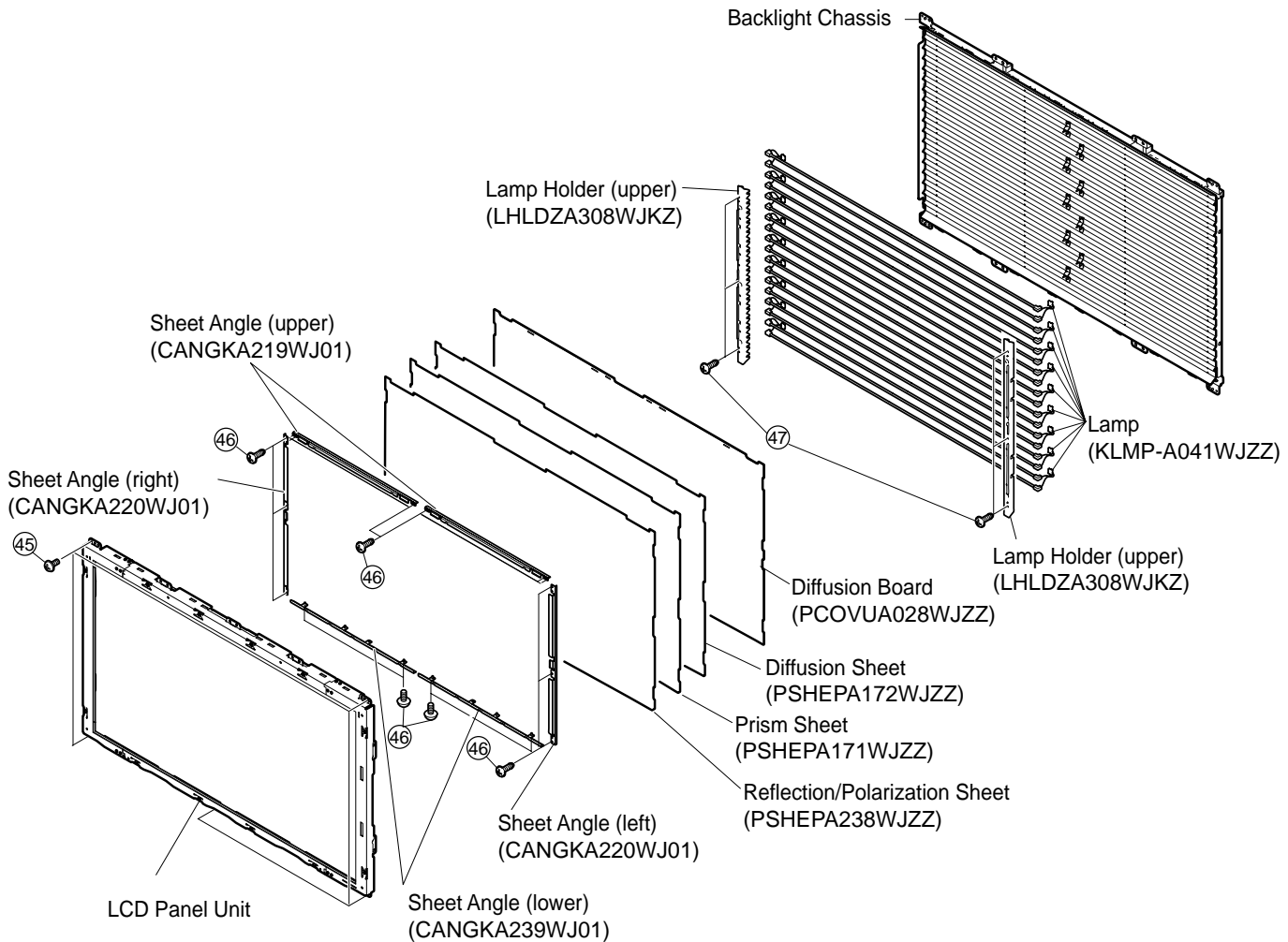
REMOVING OF LCD PANEL UNIT (LC-32GA4E)

37. Remove 5 screws for fixing the LCD Panel Unit (45).
38. Remove 14 screws for fixing the sheet angle (46) to detach the upper, lower, left, and right sheet angles.
39. Remove the Reflection/Polarization Sheet, Prism Sheet, Diffusion Sheet, and Diffusion Board.
40. Remove 6 screws for fixing the Lamp Holder (upper) (47) to detach the Lamp Holder (upper).
41. Remove the Lamps.



REMOVING OF LCD PANEL UNIT (LC-37GA4E)

37. Remove 5 screws for fixing the LCD Panel Unit (45).
38. Remove 14 screws for fixing the sheet angle (46) to detach the upper, lower, left, and right sheet angles.
39. Remove the Reflection/Polarization Sheet, Prism Sheet, Diffusion Sheet, and Diffusion Board.
40. Remove 6 screws for fixing the Lamp Holder (upper) (47) to detach the Lamp Holder (upper).
41. Remove the Lamps.



DESCRIPTION OF SCHEMATIC DIAGRAM

VOLTAGE MEASUREMENT CONDITION:

1. When the exclusive-use AC adapter is used, the colour bar signal of colour bar generator for service is input to get the normal screen. When the audio is minimized, the voltage value is measured with the 20 k Ω /V tester.

WAVEFORM MEASUREMENT CONDITION:

1. When the exclusive-use AC adapter is used, the colour density, lightness and colour hue are set to the center position, and the signal of colour bar generator for service is observed to get waveform.

INDICATION OF RESISTOR & CAPACITOR:

RESISTOR

1. The unit of resistance " Ω " is omitted.
(K=k Ω =1000 Ω , M=M Ω).
2. All resistors are $\pm 5\%$, unless otherwise noted.
(J= $\pm 5\%$, F= $\pm 1\%$, D= $\pm 0.5\%$)
3. All resistors are Carbon type, unless otherwise noted.
 ◎: Solid Ⓜ: Cement
 Ⓢ: Oxide Film Ⓣ: Special
 Ⓝ: Metal Coating


CAPACITOR

1. All capacitors are mF, unless otherwise noted.
(P=pF=mmF).
2. All capacitors are Ceramic type, unless otherwise noted.
 (ML) : Mylar (TA) : Tantalum
 (PF) : Polypro Film (ST) : Styrol

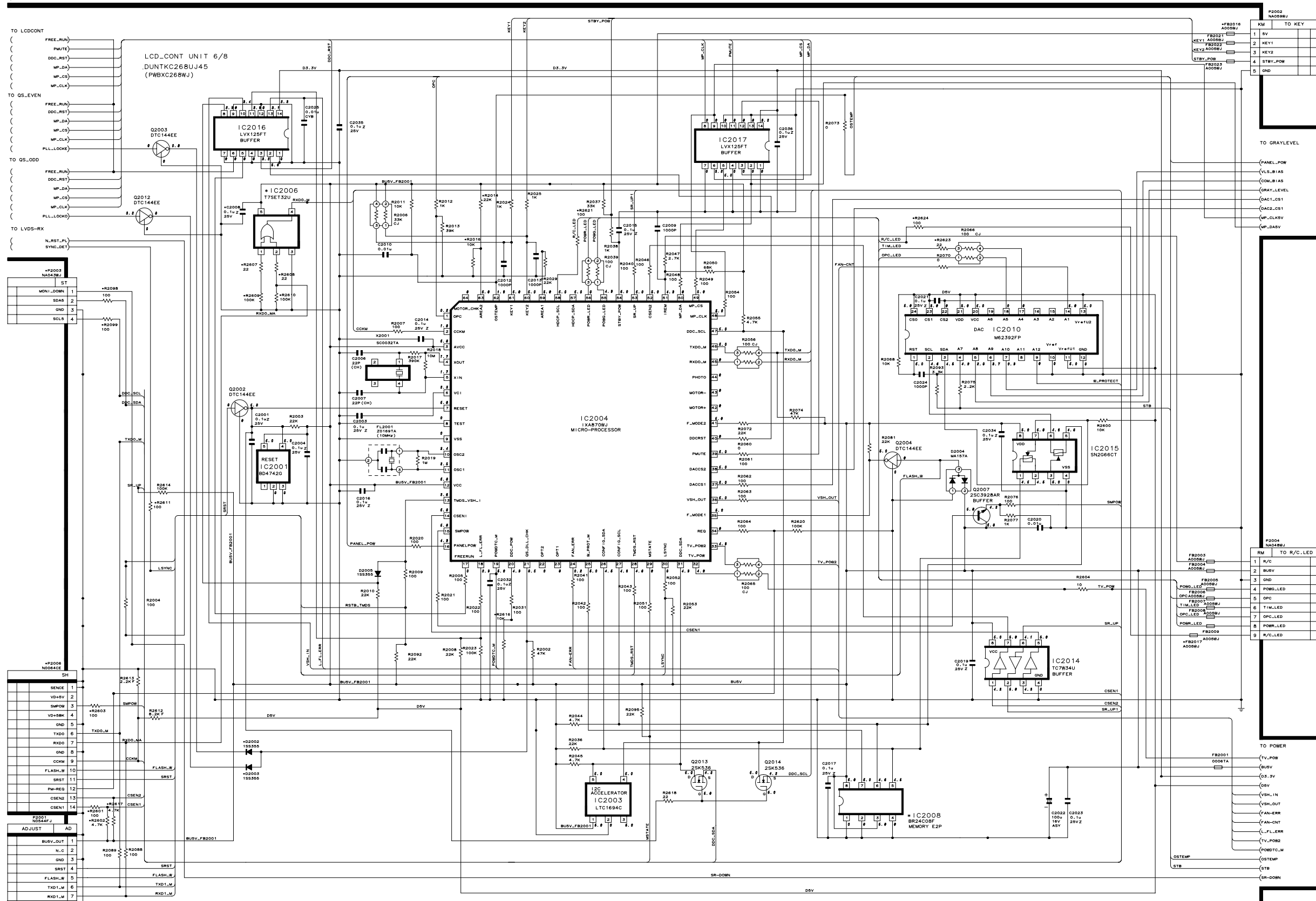
CAUTION:

This circuit diagram is original one, therefore there may be a slight difference from yours.

IMPORTANT SAFETY NOTICE:

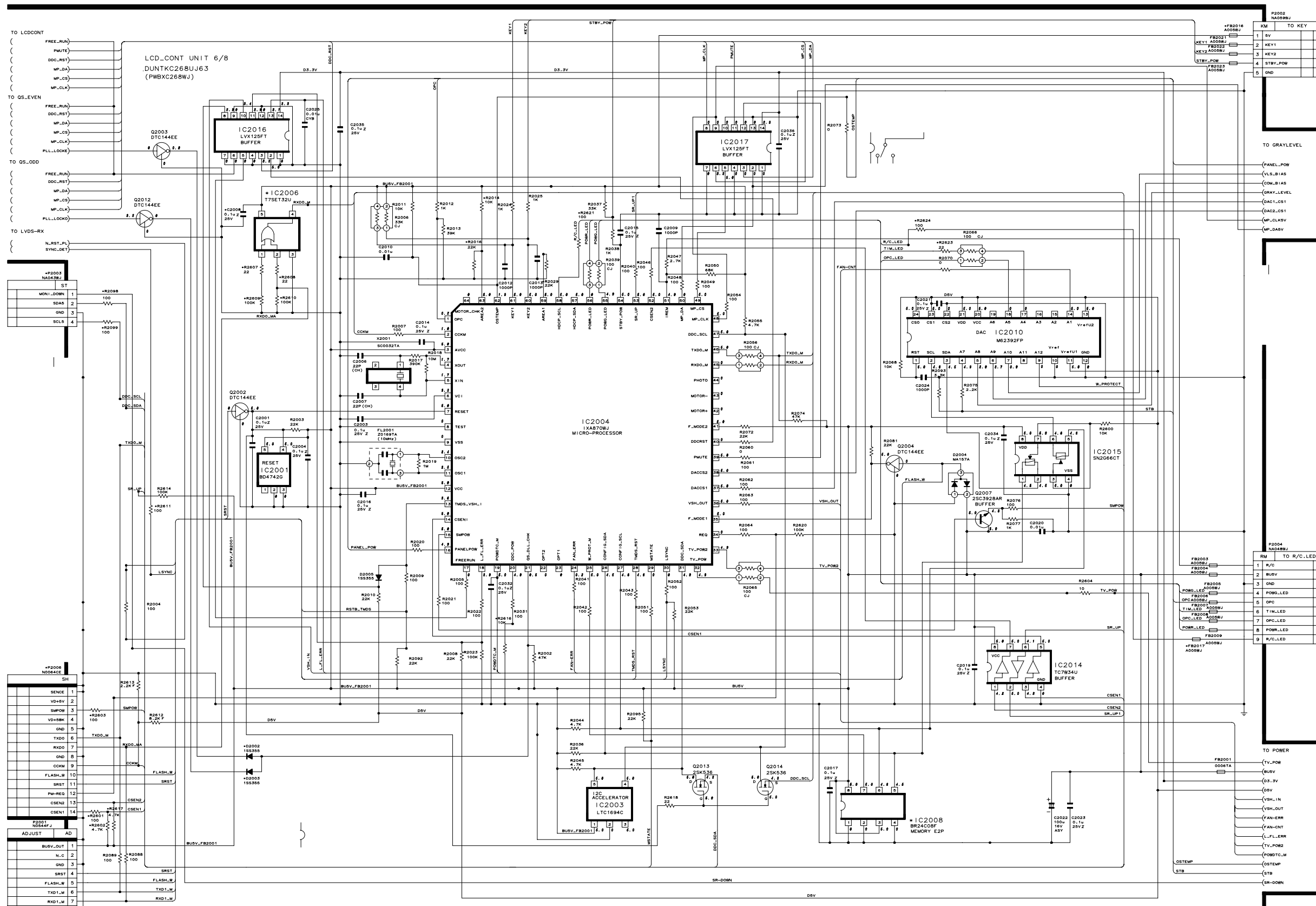
PARTS MARKED WITH "⚠" () ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

LCD CONT 6 (MICOM)



■ LCD CONTROL Unit (LC-37GA4E)

LCD CONT 6 (MICOM)



PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual; electrical components having such features are identified by Δ and shaded areas in the Replacement Parts Lists and Schematic Diagrams. The use of a substitute replacement part which does not have the same safety characteristic as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

- | | |
|-----------------|----------------|
| 1. MODEL NUMBER | 2. REF. NO. |
| 3. PART NO. | 4. DESCRIPTION |

★ MARK: SPARE PARTS-DELIVERY SECTION

Ref. No.	Part No.	★	Description	Code
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PRINTED WIRING BOARD ASSEMBLIES (NOT REPLACEMENT ITEM)

LC-32GA4E

DUNTKC268VJ90	J	LCD CONTROL Unit	CH
DUNTKC427VJ21	—	CPU Unit	—
DUNTKC585VJ16	J	MAIN Unit (LC-32GA4E)	CR
DUNTKC585VJ17	J	MAIN Unit (LC-32GA4K)	CR
DUNTKC585VJ18	J	MAIN Unit (LC-32GA4F)	—
DUNTKC585VJ37	J	MAIN Unit (LC-32GA4I)	—
DUNTKC585VJ38	J	MAIN Unit (LC-32GA4R)	—
DUNTKC595VJ18	—	DVI Unit	—
DUNTKC642UJ04	—	AV Unit (LC-32GA4E/I/R)	—
DUNTKC642UJ05	—	AV Unit (LC-32GA4K)	—
DUNTKC642UJ06	—	AV Unit (LC-32GA4F)	—
DUNTKC643UJ04	—	KEY Unit (LC-32GA4E/I/R)	—
DUNTKC643UJ05	—	KEY Unit (LC-32GA4K)	—
DUNTKC643UJ06	—	KEY Unit (LC-32GA4F)	—
DUNTKC644UJ04	—	R/C LED Unit (LC-32GA4E/I/R)	—
DUNTKC644UJ05	—	R/C LED Unit (LC-32GA4K)	—
DUNTKC644UJ06	—	R/C LED Unit (LC-32GA4F)	—
DUNTKC645UJ04	—	EXT SP TERMINAL Unit (LC-32GA4E/I/R)	—
DUNTKC645UJ05	—	EXT SP TERMINAL Unit (LC-32GA4K)	—
DUNTKC645UJ06	—	EXT SP TERMINAL Unit (LC-32GA4F)	—
DUNTKC646UJ04	—	FRONT Unit (LC-32GA4E/I/R)	—
DUNTKC646UJ05	—	FRONT Unit (LC-32GA4K)	—
DUNTKC646UJ06	—	FRONT Unit (LC-32GA4F)	—
RDENCA068WJZZ	—	POWER Unit	—
RUNTKA069WJZZ	—	INVERTER-A Unit	—
RUNTKA070WJZZ	—	INVERTER-B Unit	—
RUNTKA071WJZZ	—	INVERTER-A-GND Unit	—
RUNTKA072WJZZ	—	INVERTER-B-GND Unit	—
B2SX4102BT	J	1-Bit Amplifier Unit	BL

Ref. No.	Part No.	★	Description	Code
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LC-37GA4E

DUNTKC268VJ92	J	LCD CONTROL Unit	CH
DUNTKC427VJ21	—	CPU Unit	—
DUNTKC585VJ24	J	MAIN Unit (LC-37GA4E)	CR
DUNTKC585VJ25	J	MAIN Unit (LC-37GA4K)	CR
DUNTKC585VJ26	J	MAIN Unit (LC-37GA4F)	—
DUNTKC585VJ42	J	MAIN Unit (LC-37GA4I)	—
DUNTKC585VJ43	J	MAIN Unit (LC-37GA4R)	—
DUNTKC595VJ20	—	DVI Unit	—
DUNTKC642UJ11	—	AV Unit (LC-37GA4E/I/R)	—
DUNTKC642UJ12	—	AV Unit (LC-37GA4K)	—
DUNTKC642UJ13	—	AV Unit (LC-37GA4F)	—
DUNTKC643UJ11	—	KEY Unit (LC-37GA4E/I/R)	—
DUNTKC643UJ12	—	KEY Unit (LC-37GA4K)	—
DUNTKC643UJ13	—	KEY Unit (LC-37GA4F)	—
DUNTKC644UJ11	—	R/C LED Unit (LC-37GA4E/I/R)	—
DUNTKC644UJ12	—	R/C LED Unit (LC-37GA4K)	—
DUNTKC644UJ13	—	R/C LED Unit (LC-37GA4F)	—
DUNTKC645UJ11	—	EXT SP TERMINAL Unit (LC-37GA4E/I/R)	—
DUNTKC645UJ12	—	EXT SP TERMINAL Unit (LC-37GA4K)	—
DUNTKC645UJ13	—	EXT SP TERMINAL Unit (LC-37GA4F)	—
DUNTKC646UJ11	—	FRONT Unit (LC-37GA4E/I/R)	—
DUNTKC646UJ12	—	FRONT Unit (LC-37GA4K)	—
DUNTKC646UJ13	—	FRONT Unit (LC-37GA4F)	—
RDENCA068WJZZ	—	POWER Unit	—
RUNTKA080WJZZ	—	INVERTER-A Unit	—
RUNTKA081WJZZ	—	INVERTER-B Unit	—
RUNTKA082WJZZ	—	INVERTER-A-GND Unit	—
RUNTKA083WJZZ	—	INVERTER-B-GND Unit	—
B2SX4102BT	J	1-Bit Amplifier Unit	BL

LCD PANEL

NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.

RLCDDTA028WJZZ	32" Wide LCD Panel Unit (LC-32GA4E/K/F/I/R) (LK315T3FZA0)	ER
RLCDDTA027WJZZ	37" Wide LCD Panel Unit (LC-37GA4E/K/F/I/R) (LK370T3FZA0)	FS

DUNTKC268VJ90 (LC-32GA4E) DUNTKC268VJ92 (LC-37GA4E) LCD CONTROL UNIT

RESISTORS

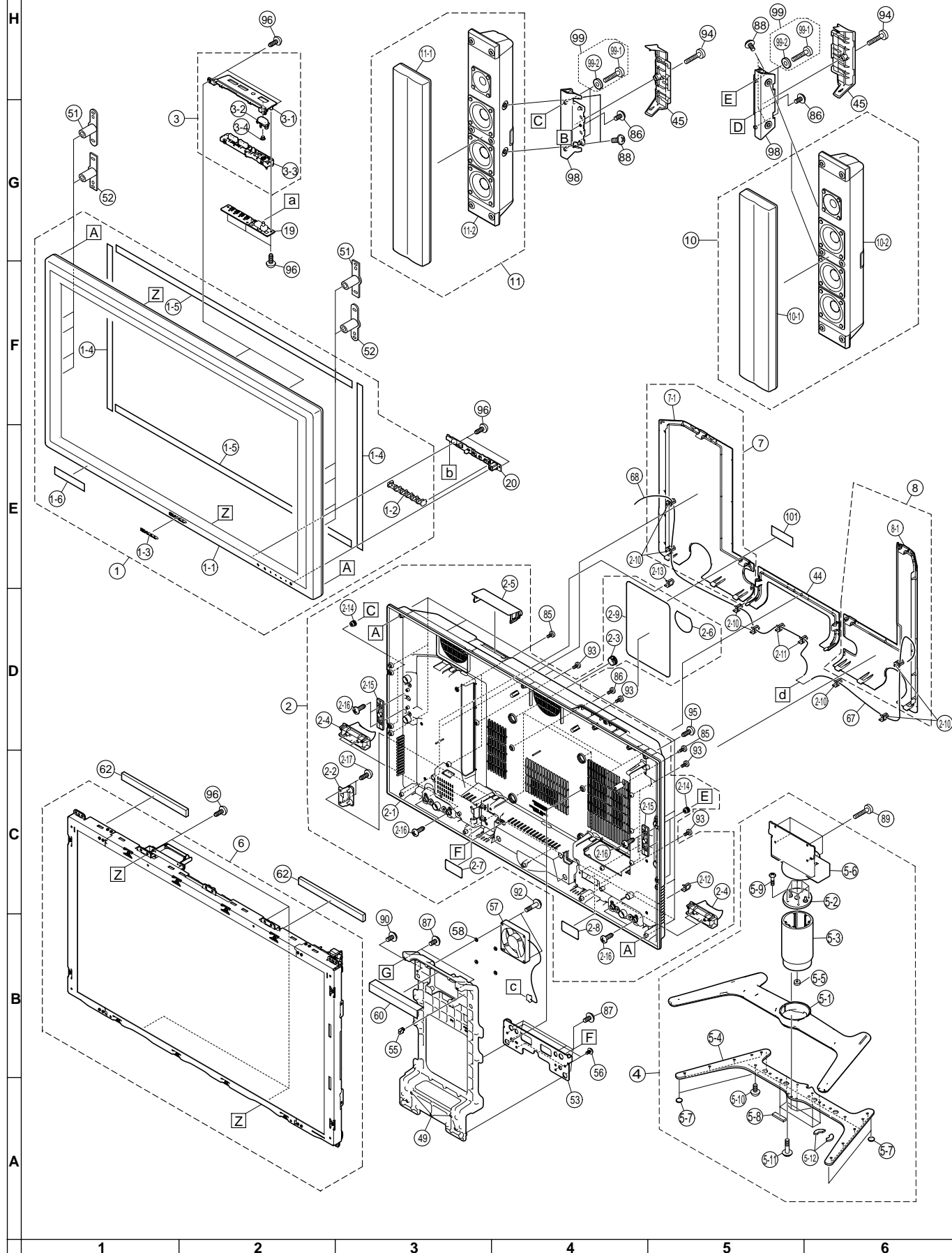
R2029	VRS-CY1JF223JY	J	22k	1/16W	Metal Oxide	AA
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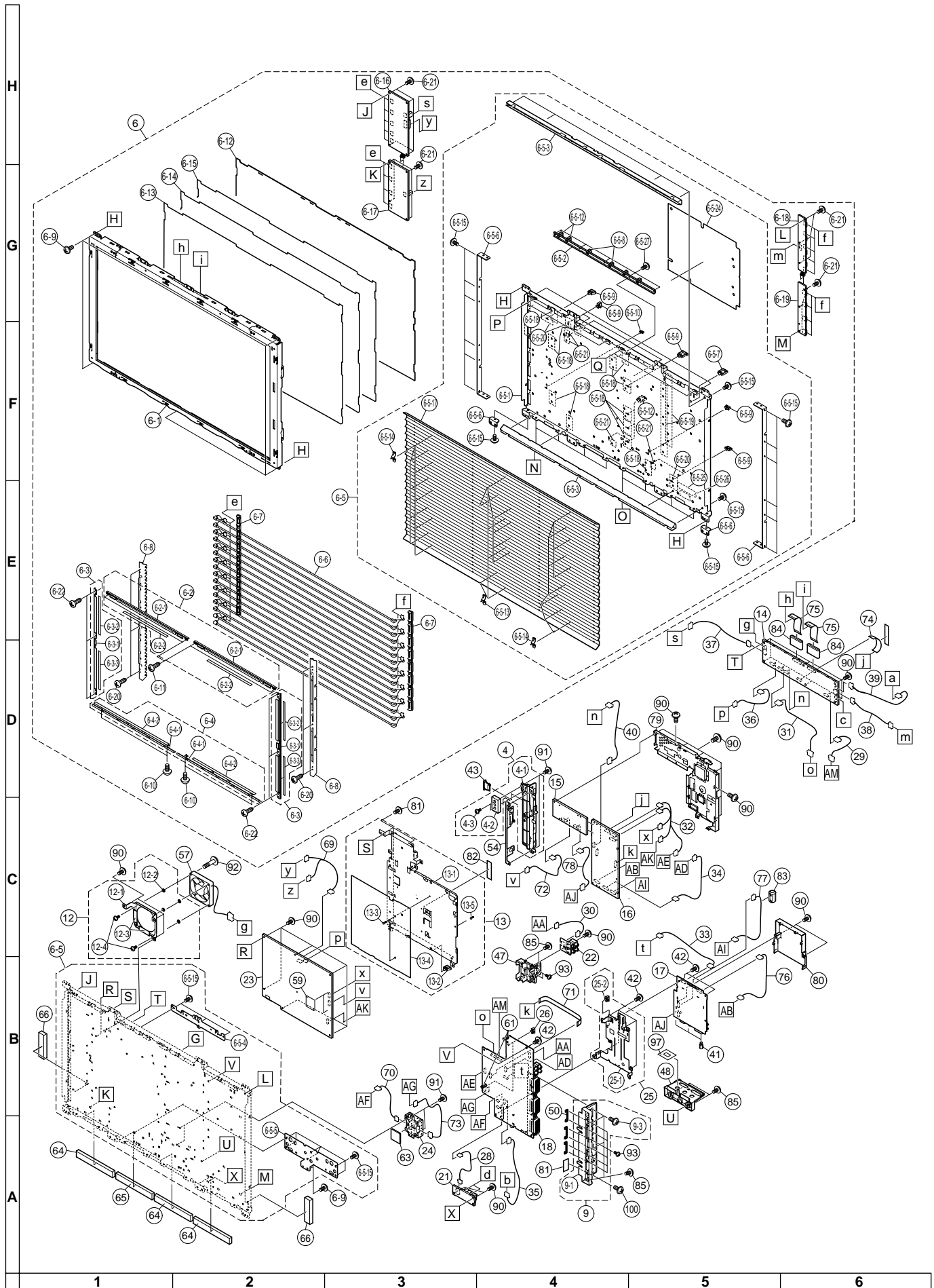
Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
CABINET AND MECHANICAL PARTS (LC-32GA4E)					6-5	CCHSMA127WJ02	J	Chassis Ass'y	BY
1	CCABAA648WJ01	J	Front Cabinet Ass'y	BG	6-5-1	Not Available	—	Chassis	—
1-1	Not Available	—	Front Cabinet	—	6-5-2	LANGFA102WJFW	J	Fixing Metal	AQ
1-2	GCOVAA829WJSA	J	R/C LED Cover	AG	6-5-3	LANGKA242WJFW	J	Fixing Metal, x2	AL
1-3	HBDGBA037WJSA	J	Badge SHARP	AM	6-5-4	LANGKA274WJZZ	J	Fixing Metal	AT
1-4	PSPAHA298WJZZ	J	Mask Spacer, x2	AC	6-5-5	LANGKA288WJFW	J	Fixing Metal	AT
1-5	PSPAHA407WJZZ	J	Mask Spacer, x2	AD	6-5-6	LANGKA298WJFW	J	Fixing Metal, x2	AK
1-6	PSPAHA417WJZZ	J	Mask Spacer, x2	AB	6-5-7	LHLDWA041WJKZ	J	Wire Holder, x2	AC
2	CCABBA422WJ02	J	Rear Cabinet Ass'y	BN	6-5-8	LHLDWA043WJKZ	J	Wire Holder, x4	AB
			(LC-32GA4E/K/F/R)		6-5-9	LHLDWA046WJKZ	J	Wire Holder, x8	AC
2	CCABBA422WJ09	J	Rear Cabinet Ass'y		6-5-10	LHLDWA055WJKZ	J	Wire Holder	AC
			(LC-32GA4I)		6-5-11	LHLDWA056WJKZ	J	Wire Holder, x5	AC
2-1	Not Available	—	Rear Cabinet	—	6-5-12	LHLDWA058WJKZ	J	Wire Holder, x2	AC
2-2	GCOVAA784WJKB	J	Stand Power Cover	AE	6-5-13	LHLDZA316WJKZ	J	Lamp Clip, x8	AD
2-3	GCOVAA838WJKB	J	Hole Cover, x4	AK	6-5-14	LHLDZA346WJKZ	J	Mirror Clip, x18	AC
2-4	GCOVAA854WJKB	J	SP Cover, x2	AG	6-5-15	LX-BZA046WJFN	J	Screw, x19	AA
2-5	GCOVAA929WJKB	J	PC Card Cover	AK	6-5-16	LX-HZA023WJFN	J	Screw, x2	AB
2-6	HiNDP5733CESF	J	AQUOS Label	AD	6-5-17	PMIR-A051WJZZ	J	Mirror	BE
2-7	HiNDPA834WJSB	J	Stand DC Indicator	AD	6-5-18	PSPAHA338WJZZ	J	Spacer, x9	AB
2-8	HiNDPA931WJSB	J	Speaker Terminal Indicator	AD	6-5-19	PSPAHA339WJZZ	J	Spacer, x2	AD
2-9	HiNDPA984WJSA	J	Model Label	AH	6-5-20	PSPAHA397WJZZ	J	Spacer, x6	AB
			(LC-32GA4E/K/F/R)		6-5-21	PSPAHA398WJZZ	J	Spacer, x4	AB
2-9	HiNDPB007WJSA	J	Model Label (LC-32GA4I)	AH	6-6-22	PSPAKA043WJKZ	J	Spacer, x8	AB
2-10	LHLDWA048WJKZ	J	Holder, x7	AB	6-5-23	PSPAZA519WJZZ	J	Spacer	AB
2-11	LHLDWA055WJKZ	J	Holder, x2	AC	6-5-24	PZETKA078WJZZ	J	Insulator	AP
2-12	LHLDWA057WJKZ	J	Holder	AE	6-5-25	TCAUZA031WJZZ	J	Caution Label	AB
2-13	LHLDWA059WJKZ	J	Holder	AC	6-5-26	TLABNA922WJZZ	J	No. Label	AF
2-14	LHLDZ0132CEZZ	J	Holder, x4	AD	6-5-27	XBPSN30P06WS0	J	Screw, x3	AA
2-15	LHLDZA382WJKZ	J	Holder, x2	AF	6-6	KLMP-A040WJZZ	J	Lamp, x8	AZ
2-16	XEBS930P08000	J	Screw, x8	AA	6-7	LHLDZA309WJK0	J	Lamp Holder (Bottom), x2	AL
2-17	XEBS930P10000	J	Screw, x2	AA	6-8	LHLDZA310WJKZ	J	Lamp Holder (Top), x2	AM
2-20	PSPAZA521WJZZ	J	Spacer, x2	AD	6-9	LX-BZA051WJFN	J	Screw, x5	AB
3	CCOVAA895WJ01	J	Top Control Cover Ass'y	AT	6-10	LX-BZA052WJFN	J	Screw, x4	AA
3-1	Not Available	—	Top Control Cover	—	6-11	LX-BZA074WJFN	J	Screw, x4	AA
3-2	MSPRCA014WJFW	J	Power Button Spring	AB	6-12	PCOVUA027WJZZ	J	Diffusion Panel	BG
3-3	JBTN-A306WJKB		Power Button	AG	6-13	PSHEPA237WJZZ	J	Reflection/Deflection Sheet	BW
3-4	JBTN-A307WJKB		Control Button	AH	6-14	PSHEPA168WJZZ	J	Prism Sheet	BN
4	CCOVAA898WJ01	J	Cover	AQ	6-15	PSHEPA169WJZZ	J	Diffusion Sheet	AW
4-1	Not Available	—	Cover	—	6-16	RUNTKA069WJZZ	—	INVERTER-A Unit	—
4-2	LHLDZA405WJZZ	J	Holder	AE	6-17	RUNTKA070WJZZ	—	INVERTER-B Unit	—
4-3	XEBSN30P06000	J	Screw, x2	AA	6-18	RUNTKA071WJZZ	—	INVERTER-A GND Unit	—
5	CDAi-A122WJ01	J	Stand Ass'y	BX	6-19	RUNTKA072WJZZ	—	INVERTER-B GND Unit	—
5-1	GDAi-A122WJKB	J	Stand Base	BC	6-20	XBBSN30P08000	J	Screw, x6	AA
5-2	GDAi-A117WJF8	J	Swivel Base	AP	6-21	XBPSL30P06WS0	J	Screw, x14	AA
5-3	GDAi-A126WJSB	J	Stand Support	AY	6-22	XEBSN30P10000	J	Screw, x6	AA
5-4	LANGKA282WJSA	J	Base Angle	BF	7	CCOVAA825WJ02	J	Terminal Cover (R) Ass'y	AU
5-5	LX-NZA013WJFN	J	Nut	AE	7-1	Not Available	—	Terminal Cover (R)	—
5-6	MHNG-A075WJSB	J	Hinge	BK	7-2	PSPAHA418WJZZ	J	Himeron, x8	AA
5-7	PSPAZA476WJZZ	J	Spacer, x4	AC	8	CCOVAA826WJ02	J	Terminal Cover (L) Ass'y	AU
5-8	PSPAZA477WJZZ	J	Spacer, x2	AD	8-1	Not Available	—	Terminal Cover (L)	—
5-9	XCBS940P25000	J	Screw, x5	AB	8-2	PSPAHA418WJZZ	J	Himeron, x6	AA
5-10	XEBS940P10000	J	Screw, x10	AB	9	CCOVAA896WJ01	J	AV PWB Cover Ass'y	AP
5-11	XCSS940P25000	J	Screw, x5	AB	9-1	Not Available	—	AV PWB Cover	—
5-12	PSPAZA530WJZZ	J	Spacer, x2	AD	9-2	JBTN-A327WJKB	J	Button, Resst	AF
6	Not Available	—	32 WIDE LCD PANEL Unit Ass'y	—	9-3	XEBS930P08000	J	Screw	AA
6-1	RLCDA028WJZZ	J	32 WIDE LCD PANEL Unit	ER	10	Not Available	—	Speaker Set (L)	—
6-2	CANGKA221WJ01	J	Sheet Angle Ass'y (Top), x2	AM	10-1	CPNLSA020WJ05	J	Speaker Panel	BF
6-2-1	Not Available	—	Sheet Angle	—	10-2	RSP-ZA076WJN1	J	Speaker	BQ
6-2-2	PSPAKA049WJKZ	J	Spacer	AC	11	Not Available	—	Speaker Set (R)	—
6-3	CANGKA222WJ01	J	Sheet Angle Ass'y (Side), x2	AM	11-1	CPNLSA020WJ06	J	Speaker Panel	BF
6-3-1	Not Available	—	Sheet Angle	—	11-2	RSP-ZA076WJN2	J	Speaker	BQ
6-3-2	PSPAKA042WJKZ	J	Spacer	AC	12	CANGFA118WJ01	J	Fan Holder Ass'y	AR
6-3-3	PSPAKA048WJKZ	J	Spacer	AC	12-1	Not Available	—	Fan Holder	—
6-4	CANGKA241WJ01	J	Sheet Angle Ass'y (Bottom), x2	AK	12-2	PSPAGA187WJ00	J	Spacer, x4	AB
6-4-1	Not Available	—	Sheet Angle	—	12-3	PSPAHA159WJZZ	J	Spacer, x2	AB
6-4-2	PSPAKA041WJKZ	J	Spacer	AC	12-4	XBPSN30P08JS0	J	Screw, x2	AB
					13	CANGKA299WJ01	J	MAIN PWB Angle Ass'y	BD
					13-1	Not Available	—	MAIN PWB Angle	—

Ref. No.	Part No.	★	Description	Code
CABINET AND MECHANICAL PARTS (LC-32GA4E)(Continued)				
13-2	LHLDWA029WJKZ	J	Wire Holder	AC
13-3	PCLiC1033CEZZ	J	Clip, x2	AC
13-4	PSPANA006WJZZ	J	Spacer	AC
13-5	PZETKA092WJZZ	J	Insulator	AN
14	DUNT KC268VJ90	J	LCD CONTROL Unit	CH
15	DUNT KC427VJ21	—	CPU Unit	—
16	DUNT KC585VJ16	J	MAIN Unit (LC-32GA4E)	CR
16	DUNT KC585VJ17	J	MAIN Unit (LC-32GA4K)	CR
16	DUNT KC585VJ18	J	MAIN Unit (LC-32GA4F)	—
16	DUNT KC585VJ37	J	MAIN Unit (LC-32GA4I)	—
16	DUNT KC585VJ38	J	MAIN Unit (LC-32GA4R)	—
17	DUNT KC595VJ18	—	DVI Unit	—
18	DUNT KC642UJ04	—	AV Unit (LC-32GA4E/I/R)	—
18	DUNT KC642UJ05	—	AV Unit (LC-32GA4K)	—
18	DUNT KC642UJ06	—	AV Unit (LC-32GA4F)	—
19	DUNT KC643UJ04	—	KEY Unit (LC-32GA4E/I/R)	—
19	DUNT KC643UJ05	—	KEY Unit (LC-32GA4K)	—
19	DUNT KC643UJ06	—	KEY Unit (LC-32GA4F)	—
20	DUNT KC644UJ04	—	R/C LED Unit	—
20	DUNT KC644UJ05	—	(LC-32GA4E/I/R)	—
20	DUNT KC644UJ06	—	R/C LED Unit (LC-32GA4K)	—
21	DUNT KC645UJ04	—	R/C LED Unit (LC-32GA4F)	—
21	DUNT KC645UJ05	—	EXT SP TERMINAL Unit	—
21	DUNT KC645UJ06	—	(LC-32GA4E/I/R)	—
22	DUNT KC646UJ04	—	EXT SP TERMINAL Unit	—
22	DUNT KC646UJ05	—	(LC-32GA4K)	—
22	DUNT KC646UJ06	—	EXT SP TERMINAL Unit	—
23	RDENCA068WJZZ	—	(LC-32GA4F)	—
24	B2SX4102BT	J	FRONT Unit	—
25	CANGKA292WJ02	J	(LC-32GA4E/I/R)	—
25-1	Not Available	—	FRONT Unit (LC-32GA4K)	—
25-2	LHLDWA043WJKZ	J	FRONT Unit (LC-32GA4F)	—
25-3	PSPANA006WJZZ	J	POWER Unit	—
26	LHLDW1072GEZZ	J	1 BIT AMPLIFIER Unit	BL
27	PSL DMA436WJFW	J		
28	QC NW-C404WJQZ	J		
29	QC NW-C411WJQZ	J		
30	QC NW-C476WJQZ	J		
31	QC NW-C581WJQZ	J		
32	QC NW-C584WJQZ	J		
33	QC NW-C620WJQZ	J		
34	QC NW-C622WJPZ	J		
35	QC NW-C403WJQZ	J		
36	QC NW-C399WJQZ	J		
37	QC NW-C400WJQZ	J		
38	QC NW-C412WJQZ	J		
39	QC NW-C413WJQZ	J		
40	QC NW-C623WJQZ	J		
41	NSFTZ0134CEFW	J		
42	XBPSL30P06WS0	J		
43	GCOVAA678WJKA	J		
44	GCOVAA827WJKB	J		
45	GCOVAA856WJKB	J		
47	GCOVAA871WJKB	J		
48	GCOVAA897WJKB	J		
49	LANGFA099WJFW	J		
50	LANGK0782CEFW	J		
51	LANGKA293WJZZ	J		
52	LANGKA294WJZZ	J		
53	LANGKA271WJZZ	J		
54	LANGKA297WJFW	J		
55	LHLDWA048WJKZ	J		
56	LX-BZA046WJFN	J		

Ref. No.	Part No.	★	Description	Code
57	NFANR0126CEZZ	J	DC FAN, x2	AT
58	PSPAGA187WJ00	J	Fan Spacer, x4	AB
59	PSPAGA203WJZZ	J	Spacer, x2	AC
60	PSPAHA410WJZZ	J	Spacer	AC
61	PSPANA005WJKZ	J	Spacer, x2	AC
62	PSPA ZA458WJZZ	J	Spacer, x2	AD
63	PSPA ZA478WJKZ	J	Spacer, 1BIT Amp.	AP
64	PSPA ZA517WJZZ	J	Spacer, x3	AD
65	PSPA ZA518WJZZ	J	Spacer	AD
66	PSPA ZA520WJZZ	J	Spacer, x2	AB
67	QC NW-C701WJQZ	J	SP-Wire (L)	AM
68	QC NW-C702WJQZ	J	SP-Wire (R)	AL
69	QC NW-C393WJQZ	J	Connecting Cord, POW-INV	AL
70	QC NW-C406WJQZ	J	Connecting Cord, AV-1BIT	AK
71	QC NW-C414WJQZ	J	FFC, (AV-MAIN)	AE
72	QC NW-C624WJQZ	J	Connecting Cord, CPU-POW	AM
73	QC NW-C841WJQZ	J	Connecting Cord, AV-1BIT	AS
74	QPWBHC563WJPZ	J	FPC, MAIN-LCD CONT	AN
75	QPWBMC494WJPZ	J	FPC, (80Pin)	AM
76	QC NW-C621WJQZ	J	Connecting Cord, DVI-MAIN [ME]	AL
77	QC NW-C796WJPZ	J	Connecting Cord, DVI-MAIN [MD]	AM
78	QC NW-C797WJQZ	J	Connecting Cord, DVI-CPU [DU]	AG
79	PSL DMA411WJFW	J	RS232C, DVI Shield	AH
80	PSL DMA430WJFW	J	DVI PWB Shield	AH
81	PSL DMA535WJZZ	J	Shield, SCART	AG
82	QEARZA041WJZZ	J	Earth Plate	AE
83	RCORF0103CEZZ	J	Core	AK
84	RCORFA039WJZZ	J	Core, x2	AG
85	XBBS830P08000	J	Screw, x16	AA
86	XBBS940P08000	J	Screw, x2	AB
87	XBBS940P16000	J	Screw, x7	AB
88	XBBS950P18000	J	Screw, x4	AB
89	XBBSN50P12JS0	J	Screw, x4	AF
90	XBPSL30P06WS0	J	Screw, x58	AA
91	XBPSN30P04J00	J	Screw, x2 (For 1BIT)	AA
92	XBPSN30P20XS0	J	Screw, x4 (For Fan)	AB
93	XEBS930P08000	J	Screw, x11 (For Terminal)	AA
94	XEBS940P12000	J	Screw, x2	AB
95	XEBS940P20000	J	Screw, x13 (For CAB A-B)	AB
96	XEBSN30P10000	J	Screw, x11	AA
97	QEARPA129WJN1	J	Earth Plate	AG
98	LHLDZA375WJKA	J	SP Bracket, x2	AQ
99	LX-BZA063WJ01	J	Screw, x4	AE
99-1	LX-BZA063WJFN	J	Screw, x4	AC
99-2	PSPAGA199WJZZ	J	Screw, x4	AB
100	XBPSN30P06JS0	J	Screw, x2	AB
101	Not Available	—	No. Label	—

CABINET AND MECHANICAL PARTS (LC-32GA4E)





Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
CABINET AND MECHANICAL PARTS (LC-37GA4E)					6-4	CANGKA239WJ01	J	Sheet Angle Ass'y (Bottom), x2	AN
					6-4-1	Not Available	—	Sheet Angle, x2	—
					6-4-2	PSPAKA039WJKZ	J	Spacer	AD
1	CCABAA650WJ01	J	Front Cabinet Ass'y	BK	6-5	CCHSMA128WJ02	J	Chassis Ass'y	CE
1-1	Not Available	—	Front Cabinet	—	6-5-1	Not Available	—	Chassis	—
1-2	GCOVAA829WJSA	J	R/C LED Cover	AG	6-5-2	LANGFA102WJFW	J	Fixing Metal	AQ
1-3	HBDGBA036WJSA	J	Badge SHARP	AP	6-5-3	LANGFA103WJFW	J	Fixing Metal	AN
1-4	PSPAHA416WJZZ	J	Mask Spacer, x2	AC	6-5-4	LANGFA104WJFW	J	Fixing Metal, x3	AN
1-5	PSPAHA412WJZZ	J	Mask Spacer, x2	AD	6-5-5	LANGKA245WJFW	J	Fixing Metal, x2	AS
					6-5-6	LANGKA274WJZZ	J	Fixing Metal	AT
2	CCABBA424WJ02	J	Rear Cabinet Ass'y (LC-37GA4E/K/F/R)	BP	6-5-7	LANGKA288WJFW	J	Fixing Metal	AT
2	CCABBA424WJ09	J	Rear Cabinet Ass'y (LC-37GA4I)	—	6-5-8	LANGKA289WJFW	J	Fixing Metal	BD
2-1	Not Available	—	Rear Cabinet	—	6-5-9	LANGKA290WJFW	J	Fixing Metal	BD
2-2	GCOVAA784WJKB	J	Stand Power Cover	AE	6-5-10	LHLDWA043WJKZ	J	Holder, x4	AB
2-3	GCOVAA838WJKB	J	Hole Cover, x4	AK	6-5-11	LHLDWA046WJKZ	J	Holder, x11	AC
2-4	GCOVAA854WJKB	J	SP Cover, x2	AG	6-5-12	LHLDWA056WJKZ	J	Holder, x5	AC
2-5	GCOVAA929WJKB	J	PC Card Cover	AK	6-5-13	LHLDWA058WJKZ	J	Holder, x2	AC
2-6	HiNDP5733CESF	J	AQUOS Label	AD	6-5-14	LHLDZA315WJKZ	J	Lamp Clip, x9	AD
2-7	HiNDPA834WJSB	J	Stand DC Indicator	AD	6-5-15	LHLDZA346WJKZ	J	Mirror Clip, x22	AC
2-8	HiNDPA931WJSB	J	Speaker Terminal Indicator	AC	6-5-16	LX-BZA046WJFN	J	Screw, x37	AA
2-9	HiNDPA995WJSA	J	Model Label (LC-37GA4E/K/F/R)	AH	6-5-17	PMIR-A052WJZZ	J	Mirror	BG
2-9	HiNDPB049WJSA	J	Model Label (LC-37GA4I)	—	6-5-18	PSPAHA337WJZZ	J	Spacer, x11	AC
2-10	LHLDWA048WJKZ	J	Holder, x8	AB	6-5-19	PSPAHA339WJZZ	J	Spacer, x3	AD
2-11	LHLDWA055WJKZ	J	Holder, x2	AC	6-5-20	PSPAHA397WJZZ	J	Spacer, x6	AB
2-12	LHLDWA057WJKZ	J	Holder	AE	6-5-21	PSPAHA398WJZZ	J	Spacer, x4	AB
2-13	LHLDWA059WJKZ	J	Holder	AC	6-5-22	PSPAHA409WJZZ	J	Spacer	AD
2-14	LHLDZ0132CEZZ	J	Holder, x4	AD	6-5-23	PSPAZA466WJKZ	J	Spacer, x4	AB
2-15	LHLDZA382WJKZ	J	Holder, x2	AF	6-5-24	PSPAZA519WJZZ	J	Spacer, x2	AB
2-16	PCLICA001WJKZ	J	Hole Cover	AC	6-5-25	PSPAZA534WJZZ	J	Spacer	AC
2-17	PSPAKA061WJZZ	J	Spacer, x2	AE	6-5-26	PZETKA064WJZZ	J	Insulator	AK
2-18	PSPAZA521WJZZ	J	Spacer, x2	AD	6-5-27	PZETKA065WJZZ	J	Insulator	AH
2-19	XEBS930P08000	J	Screw, x8	AA	6-5-28	PZETKA078WJZZ	J	Insulator	AP
2-20	XEBS930P10000	J	Screw, x2	AA	6-5-29	TCAUZA031WJZZ	J	Caution Card	AB
2-21	PSPAHA377WJZZ	J	Spacer, x2	AB	6-5-30	TLABNA923WJZZ	J	No. Label	AF
					6-5-31	XBPSN30P06WS0	J	Screw, x5	AA
					6-5-32	XBPSN40P06J00	J	Screw, x20	AA
3	CCOVAA895WJ01	J	Top Control Cover Ass'y	AT	6-6	KLMP-A041WJZZ	J	Lamp, x9	BA
3-1	Not Available	—	Top Control Cover	—	6-7	LHLDZA307WJK0	J	Lamp Holder (Bottom), x2	AK
3-2	JBTN-A306WJKB	J	Power Button	AG	6-8	LHLDZA308WJKZ	J	Lamp Holder (Top), x2	AM
3-3	JBTN-A307WJKB	J	Open Button	AH	6-9	LX-BZA051WJFN	J	Screw, x5	AB
3-4	MSPRCA014WJFW	J	Power Button Spring	AB	6-10	LX-BZA074WJFN	J	Screw, x8	AA
4	CCOVAA898WJ01	J	Cover	AQ	6-11	PCOVUA028WJZZ	J	Diffusion Panel	BH
4-1	Not Available	—	Cover	—	6-12	PSHEPA238WJZZ	J	Reflection/Deflection Sheet	CC
4-2	LHLDZA405WJZZ	J	Holder	AE	6-13	PSHEPA171WJZZ	J	Prism Sheet	BS
4-3	XEBSN30P06000	J	Screw, x2	AA	6-14	PSHEPA172WJZZ	J	Diffusion Sheet	AX
5	CDAi-A122WJ02	J	Stand Ass'y	BX	6-15	RUNTKA080WJZZ	—	INVERTER-A Unit	—
5-1	GDai-A122WJKB	J	Stand Base	BC	6-16	RUNTKA081WJZZ	—	INVERTER-B Unit	—
5-2	GDai-A117WJF8	J	Swivel Base	AP	6-17	RUNTKA082WJZZ	—	INVERTER-A GND Unit	—
5-3	GDai-A126WJSB	J	Stand Support	AY	6-18	RUNTKA083WJZZ	J	INVERTER-B GND Unit	—
5-4	LANGKA282WJSA	J	Base Angle	BF	6-19	XBBSN30P08000	J	Screw, x6	AA
5-5	LX-NZA013WJFN	J	Nut	AE	6-20	XBPSL30P06WS0	J	Screw, x16	AA
5-6	MHNG-A076WJSB	J	Hinge	BK	6-21	XEBSN30P10000	J	Screw, x6	AA
5-7	PSPAZA476WJZZ	J	Leg Cushion-A, x4	AC	7	CCOVAA841WJ02	J	Terminal Cover (R) Ass'y	AV
5-8	PSPAZA477WJZZ	J	Leg Cushion-B, x2	AD	7-1	Not Available	—	Terminal Cover (R)	—
5-9	XCSS940P25000	J	Screw, x5	AB	7-2	PSPAHA418WJZZ	J	Himeron, x4	AA
5-10	XEBS940P10000	J	Screw, x10	AB	8	CCOVAA842WJ02	J	Terminal Cover (L) Ass'y	AW
5-11	XCBS940P25000	J	Screw, x5	AB	8-1	Not Available	—	Terminal Cover (L)	—
5-12	PSPAZA530WJZZ	J	Leg Cushion-C, x2	AD	8-2	PSPAHA418WJZZ	J	Himeron, x6	AA
6	Not Available	—	LCD PANEL Unit Ass'y	—	9	CCOVAA896WJ01	J	AV PWB Cover Ass'y	AP
6-1	RLCDA027WJZZ	J	37" WIDE LCD PANEL Unit	FS	9-1	Not Available	—	AV PWB Cover	—
6-2	CANGKA219WJ01	J	Sheet Angle Ass'y (Top), x2	AN	9-2	JBTN-A327WJKB	J	Button, Resst	AF
6-2-1	Not Available	—	Sheet Angle (Top), x2	—	9-3	XEBS930P08000	J	Screw	AA
6-2-2	PSPAZA465WJKZ	J	Spacer	AD	10	Not Available	—	Speaker Set (L)	—
6-3	CANGKA220WJ01	J	Sheet Angle Ass'y (Side), x2	AQ	10-1	CPNLSA019WJ05	J	Speaker Panel	BG
6-3-1	Not Available	—	Sheet Angle (Side), x2	—	10-2	RSP-ZA079WJN1	J	Speaker	BR
6-3-2	PSPAKA038WJKZ	J	Spacer	AC	11	Not Available	—	Speaker Set (R)	—
6-3-3	PSPAZA469WJKZ	J	Spacer	AC	11-1	CPNLSA019WJ06	J	Speaker Panel	BG
					11-2	RSP-ZA079WJN2	J	Speaker	BR

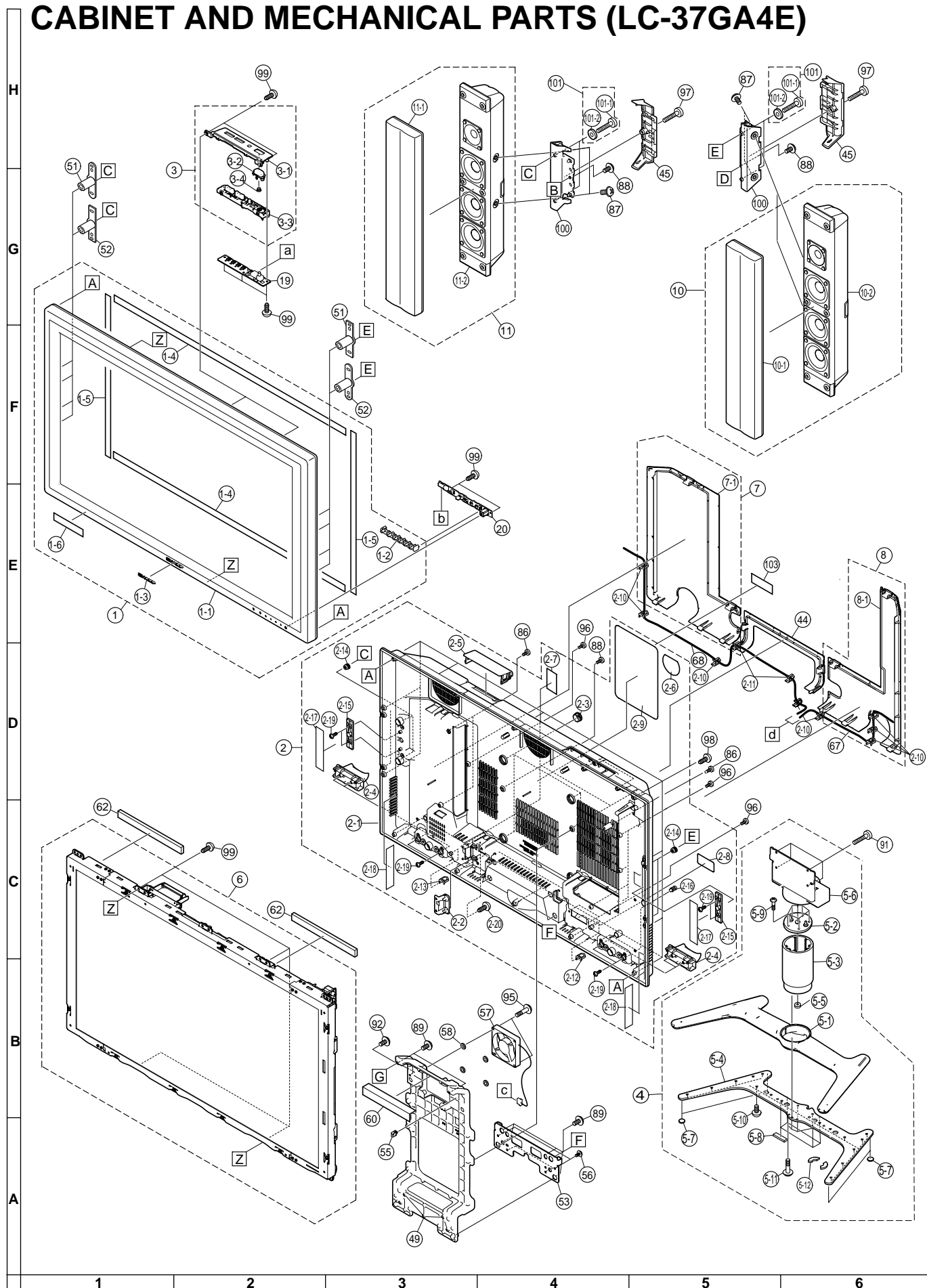
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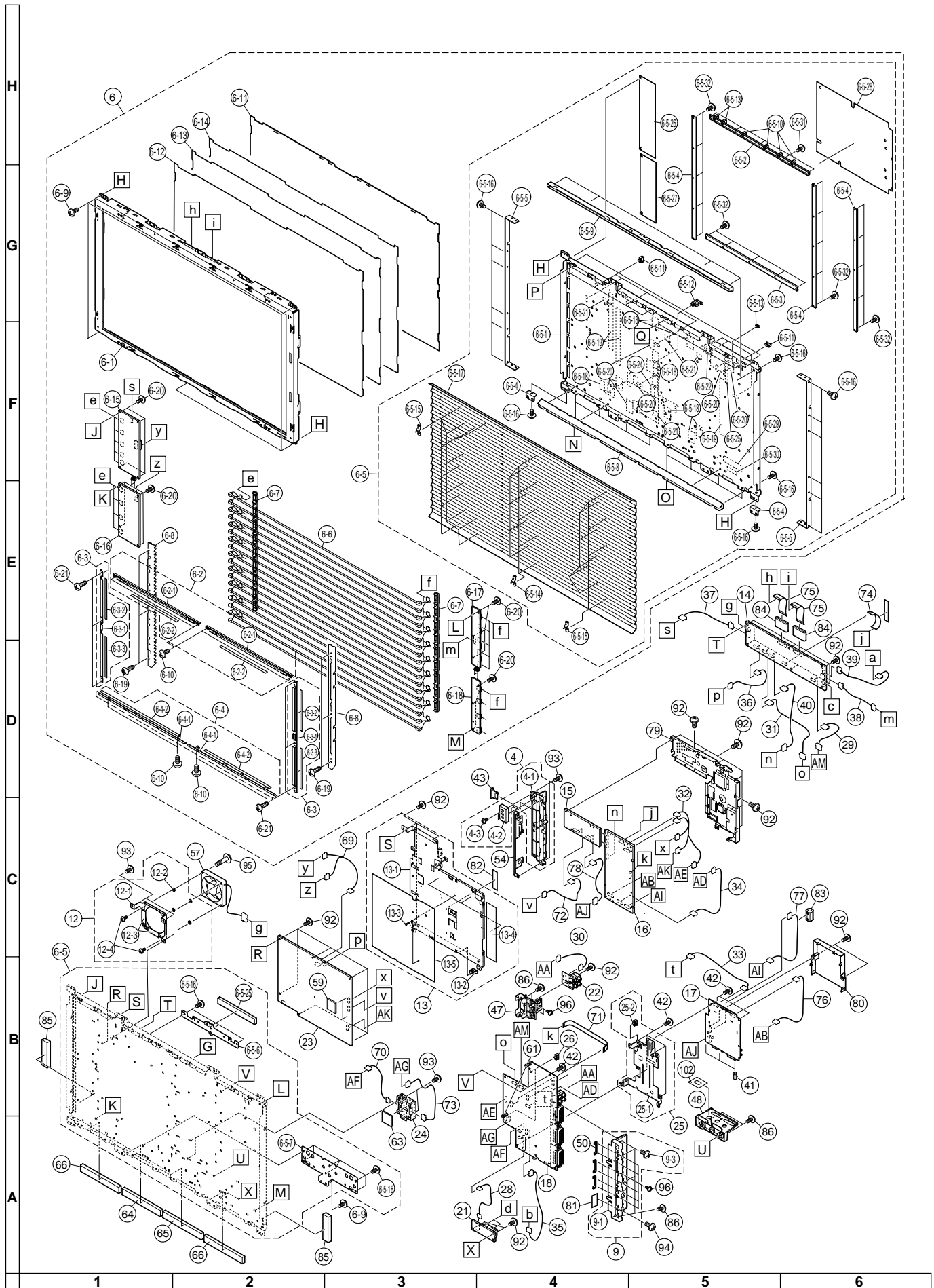
CABINET AND MECHANICAL PARTS (LC-37GA4E)(Continued)

12	CANGFA118WJ01	J	Fan Holder Ass'y	AR
12-1	Not Available	—	Fan Holder	—
12-2	PSPAGA187WJ00	J	Spacer, x4	AB
12-3	PSPAHA159WJZZ	J	Spacer, x2	AB
12-4	XBPSN30P08JS0	J	Screw, x2	AB
13	CANGKA299WJ01	J	MAIN PWB Angle Ass'y	BD
13-1	Not Available	—	MAIN PWB Angle	—
13-2	LHLDWA029WJKZ	J	Wire Holder	AC
13-3	PCLiC1033CEZZ	J	Clip, x2	AC
13-4	PSPANA006WJZZ	J	Spacer	AC
13-5	PZETKA092WJZZ	J	Insulator	AN
14	DUNT KC268VJ92	J	LCD CONTROL Unit	CH
15	DUNT KC427VJ21	—	CPU Unit	—
16	DUNT KC585VJ24	J	MAIN Unit (LC-37GA4E)	CR
16	DUNT KC585VJ25	J	MAIN Unit (LC-37GA4K)	CR
16	DUNT KC585VJ26	J	MAIN Unit (LC-37GA4F)	—
16	DUNT KC585VJ42	J	MAIN Unit (LC-37GA4I)	—
16	DUNT KC585VJ43	J	MAIN Unit (LC-37GA4R)	—
17	DUNT KC595VJ20	—	DVI Unit	—
18	DUNT KC642UJ11	—	AV Unit (LC-37GA4E/I/R)	—
18	DUNT KC642UJ12	—	AV Unit (LC-37GA4K)	—
18	DUNT KC642UJ13	—	AV Unit (LC-37GA4F)	—
19	DUNT KC643UJ11	—	KEY Unit (LC-37GA4E/I/R)	—
19	DUNT KC643UJ12	—	KEY Unit (LC-37GA4K)	—
19	DUNT KC643UJ13	—	KEY Unit (LC-37GA4F)	—
20	DUNT KC644UJ11	—	R/C LED Unit (LC-37GA4E/I/R)	—
20	DUNT KC644UJ12	—	R/C LED Unit (LC-37GA4K)	—
20	DUNT KC644UJ13	—	R/C LED Unit (LC-37GA4F)	—
21	DUNT KC645UJ11	—	EXT SP TERMINAL Unit (LC-37GA4E/I/R)	—
21	DUNT KC645UJ12	—	EXT SP TERMINAL Unit (LC-37GA4K)	—
21	DUNT KC645UJ13	—	EXT SP TERMINAL Unit (LC-37GA4F)	—
22	DUNT KC646UJ11	—	FRONT Unit (LC-37GA4E/I/R)	—
22	DUNT KC646UJ12	—	FRONT Unit (LC-37GA4K)	—
22	DUNT KC646UJ13	—	FRONT Unit (LC-37GA4F)	—
23	RDENCA068WJZZ	—	POWER UNIT	—
24	B2SX4102BT	J	1 BIT AMPLIFIER Unit	BL
25	CANGKA292WJ02	J	DVI Angle Ass'y	AT
25-1	Not Available	—	DVI Angle	—
25-2	LHLDWA043WJKZ	J	Wire Holder, x4	AB
25-3	PSPANA006WJZZ	J	Spacer	AC
26	LHLDW1060CEZZ	J	Wire Holder	AB
27	PSLDMA436WJFW	J	Shield (On Tuner)	AH
28	QCNCW-C507WJQZ	J	Connecting Cord, AV-SP [SP]	AG
29	QCNCW-C411WJQZ	J	Connecting Cord, AV-LCDCNT [RM]	AK
30	QCNCW-C510WJPZ	J	Connecting Cord, AV-FRONT [VD]	AS
31	QCNCW-C581WJQZ	J	Connecting Cord, AV-LCDCNT [ST]	AH
32	QCNCW-C584WJQZ	J	Connecting Cord, POW-AV,MAIN [PA, PB, PE]	AV
33	QCNCW-C620WJQZ	J	Connecting Cord, AV-DVI [AV]	AM
34	QCNCW-C622WJPZ	J	Connecting Cord, AV-MAIN [MA]	BA
35	QCNCW-C747WJQZ	J	Connecting Cord, AV-LED [RA]	AP
36	QCNCW-C399WJQZ	J	Connecting Cord, POW-LCDCNT [PO]	AH
37	QCNCW-C505WJQZ	J	Connecting Cord, LCDCONT-INV(A),INV(B) [BL]	AM
38	QCNCW-C508WJQZ	J	Connecting Cord, LCDCONT-INV GND [GV]	AK
39	QCNCW-C413WJQZ	J	Connecting Cord, LCDCONT-KEY [KM]	AH
40	QCNCW-C623WJQZ	J	Connecting Cord, LCDCONT-MAIN [SH]	AP
41	NSFTZ0134CEFW	J	Shaft, x4 (For DVI)	AD
42	XBPSL30P06WS0	J	Screw, x4	AA
43	GCOVAA678WJKA	J	PC Card Cover	AE
44	GCOVAA827WJKB	J	Terminal Cover (Center)	AM
45	GCOVAA856WJKB	J	Bracket Cover, x2	AL
47	GCOVAA871WJKB	J	AV Terminal Cover (Top)	AH
48	GCOVAA897WJKB	J	AV Terminal Cover (Bottom)	AK

49	LANGFA105WJFW	J	Centre Angle	BP
50	LANGK0782CEFW	J	Angle, x3	AF
51	LANGKA293WJZZ	J	Side Angle, x2	AH
52	LANGKA294WJZZ	J	SP Angle U	AH
53	LANGKA271WJZZ	J	Stand Angle	AP
54	LANGKA297WJFW	J	DVI PWB Terminal Angle	AM
55	LHLDWA048WJKZ	J	Wire Holder	AB
56	LX-BZA046WJFN	J	Screw, x4	AA
57	NFANR0126CEZZ	J	DC FAN, x2	AT
58	PSPAGA187WJ00	J	Fan Spacer, x4	AB
59	PSPAGA203WJZZ	J	Spacer, x2	AC
60	PSPAHA410WJZZ	J	Spacer	AC
61	PSPANA005WJKZ	J	Spacer, x2	AC
62	PSPAZA533WJZZ	J	Spacer, x2	AD
63	PSPAZA478WJKZ	J	Spacer, 1BIT Amp.	AP
64	PSPAZA454WJZZ	J	Spacer	AC
65	PSPAZA455WJZZ	J	Spacer	AC
66	PSPAZA456WJZZ	J	Spacer, x2	AD
67	QCNCW-C692WJQZ	J	SP-Wire (L)	AM
68	QCNCW-C693WJQZ	J	SP- Wire (R)	AM
69	QCNCW-C504WJQZ	J	Connecting Cord, INV-POWER [PG]	AL
70	QCNCW-C406WJQZ	J	Connecting Cord, AV-1BIT [SC]	AK
71	QCNCW-C414WJQZ	J	Connecting Cord, AV-MAIN(FPC) [FC]	AE
72	QCNCW-C624WJQZ	J	Connecting Cord, POW-CPU [DP]	AM
73	QCNCW-C841WJQZ	J	Connecting Cord, AV-1BIT [SA]	AS
74	QPW BHC563WJPZ	J	Connecting Cord, MAIN-LCD_C(FPC) [LV]	AN
75	QPW BMC494WJPZ	J	Connecting Cord, FPC(80PIN)	AM
76	QCNCW-C621WJQZ	J	Connecting Cord, DVI-MAIN [ME]	AL
77	QCNCW-C796WJPZ	J	Connecting Cord, DVI-MAIN [MD]	AM
78	QCNCW-C797WJQZ	J	Connecting Cord, DVI-CPU [DU]	AG
79	PSLDMA411WJFW	J	RS232C, DVI Shield	AH
80	PSLDMA430WJFW	J	DVI PWB Shield	AH
81	PSLDMA535WJZZ	J	Shield, SCART	AG
82	QEARZA041WJZZ	J	Earth Plate	AE
83	RCORF0103CEZZ	J	Core	AK
84	RCORFA039WJZZ	J	Core, x2	AG
85	PSPAZA520WJZZ	J	Spacer, x2	AB
86	XBBS830P08000	J	Screw, x16	AA
87	XBBS950P18000	J	Screw, x4	AB
88	XBBS940P08000	J	Screw, x2	AB
89	XBBS940P16000	J	Screw, x7	AB
91	XBBSN50P12JS0	J	Screw, x4	AF
92	XBPSL30P06WS0	J	Screw, x50	AA
93	XBPSN30P04J00	J	Screw, x2	AA
94	XBPSN30P06JS0	J	Screw, x2	AB
95	XBPSN30P20XS0	J	Screw, x4	AB
96	XEBS930P08000	J	Screw, x11	AA
97	XEBS940P12000	J	Screw, x2	AB
98	XEBS940P20000	J	Screw, x13	AB
99	XEBSN30P10000	J	Screw, x11	AA
100	LHLDZA375WJKA	J	SP Bracket, x2	AQ
101	LX-BZA063WJ01	J	Screw, x4	AE
101-1	LX-BZA063WJFN	J	Screw, x4	AC
101-2	PSPAQA199WJZZ	J	Screw, x4	AB
102	QEARPA129WJN1	J	Earth Plate	AG
103	Not Available	—	No. Label	—

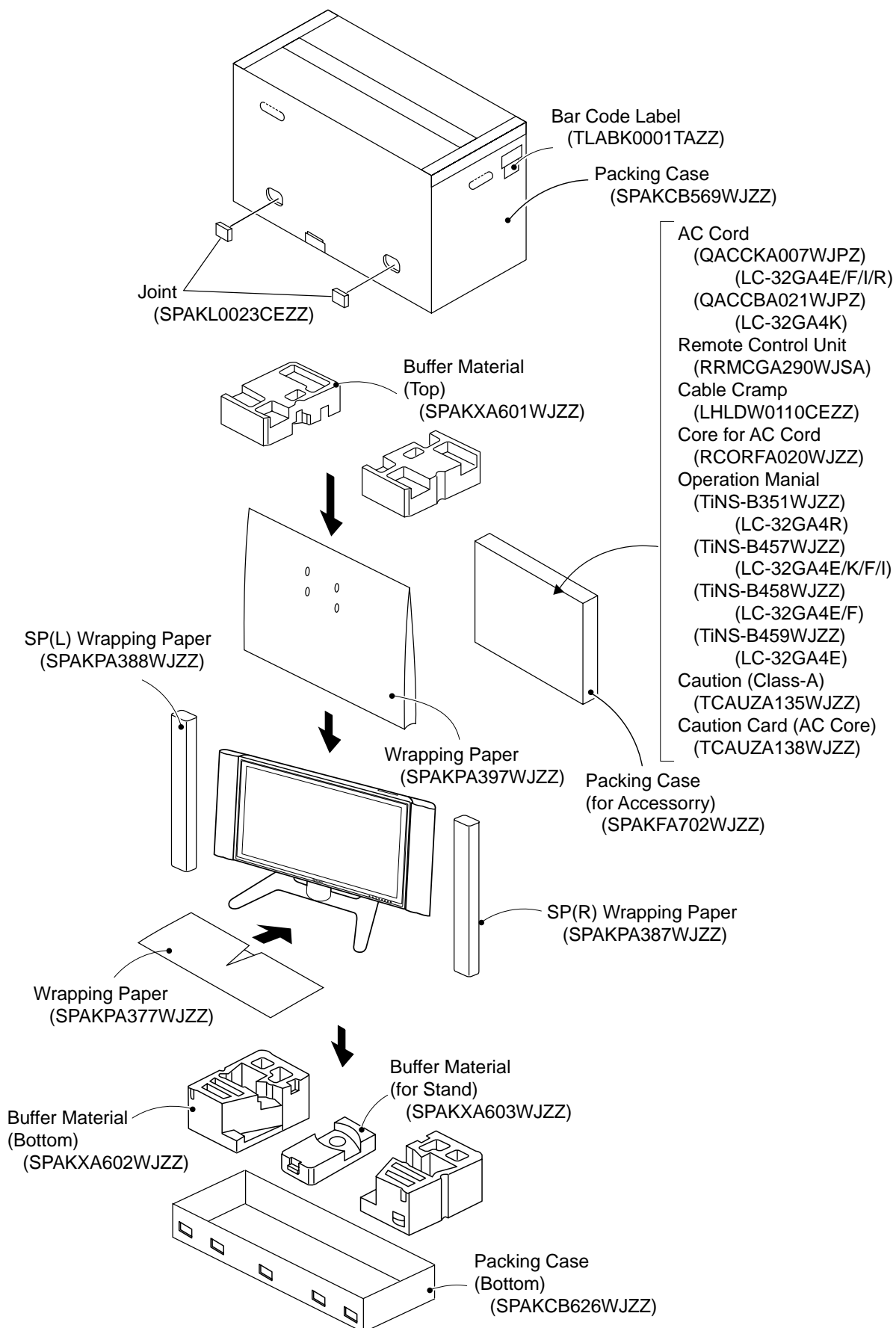
CABINET AND MECHANICAL PARTS (LC-37GA4E)





Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PACKING PARTS (NOT REPLACEMENT ITEM)					SUPPLIED ACCESSORIES				
(LC-32GA4E)					△	QACCKA007WJPZ	J	AC Cord (LC-32GA4E/F/I/R)	AK
SPAKCB569WJZZ	—	—	Packing Case	—	△	QACCBA021WJPZ	J	AC Cord (LC-32GA4K) (LC-37GA4K)	AS
SPAKCB626WJZZ	—	—	Packing Case (Bottom)	—		RRMCGA290WJSA	J	Remote Control Unit	AZ
SPAKPA377WJZZ	—	—	Wrapping Paper (Stand)	—		LHLDW0110CEZZ	J	Cable Cramp	AE
SPAKPA397WJZZ	—	—	Wrapping Paper (Display)	—		RCORFA020WJZZ	J	Core for AC Cord	AN
SPAKXA601WJZZ	—	—	Buffer Material (Top)	—		TiNS-B351WJZZ	J	Operation Manual (LC-32GA4R)	
SPAKXA602WJZZ	—	—	Buffer Material (Bottom)	—		TiNS-B457WJZZ	J	Operation Manual (LC-32GA4E/K/F/I)	AV
SPAKXA603WJZZ	—	—	Buffer Material (Stand)	—		TiNS-B458WJZZ	J	Operation Manual (LC-32GA4E/F)	AV
SPAKFA702WJZZ	—	—	Packing Case (Accessories)	—		TiNS-B459WJZZ	J	Operation Manual (LC-32GA4E)	AS
SPAKL0023CEZZ	—	—	Joint, x4	—		TiNS-B367WJZZ	J	Operation Manual (LC-37GA4R)	BA
SSAKA0170CEZZ	—	—	Polyethylene Bag (LC-32GA4E)	—		TiNS-B463WJZZ	J	Operation Manual (LC-37GA4E/K/F/I)	AW
SSAKA0219CEZZ	—	—	Polyethylene Bag	—		TiNS-B464WJZZ	J	Operation Manual (LC-37GA4E/F)	AW
SSAKA1111CEZZ	—	—	Polyethylene Bag	—		TiNS-B465WJZZ	J	Operation Manual (LC-37GA4E)	AT
TLABK0001TAZZ	—	—	Bar Code Label	—		TCAUZA135WJZZ	J	Caution (Class-A)	AD
TLABKA013WJZZ	—	—	No. label (LC-32GA4E/K/F/I)	—		TCAUZA138WJZZ	J	Caution Card (AC Core)	AD
(LC-37GA4E)						TGAN-A077WJZZ	J	Warranty Card (LC-32GA4R) (LC-37GA4R)	AE
SPAKCB552WJZZ	—	—	Packing Case	—	SERVICE JIGS (USE FOR SERVICING)				
SPAKCB589WJZZ	—	—	Packing Case (Bottom)	—	QCNW-C222WJQZ	J	80pins FFC L=1000mm, LCD CONT. PWB to LCD Panel	AW	
SPAKPA377WJZZ	—	—	Wrapping Paper (Stand)	—	QCNW-C223WJQZ	J	12pins L=1000mm, LCD CONT. PWB to Inverter PWB [BL]	AX	
SPAKPA337WJZZ	—	—	Wrapping Paper (Display)	—	QCNW-C224WJQZ	J	8pins L=1000mm, LCD CONT. PWB to Inverter-G PWB [GV]	AU	
SPAKXA598WJZZ	—	—	Buffer Material (Top)	—	QCNW-C225WJQZ	J	5pins L=1000mm, LCD CONT. PWB to Key PWB [KM]	AQ	
SPAKXA573WJZZ	—	—	Buffer Material (Bottom)	—	QCNW-C226WJQZ	J	7pins L=1000mm, LCD CONT. PWB to Power Supply PWB [PO]	AT	
SPAKXA574WJZZ	—	—	Buffer Material (Stand)	—	QCNW-C329WJQZ	J	15pins L=1000mm, AV PWB to 1 Bit Amp. [SA]	AW	
SPAKFA688WJZZ	—	—	Packing Case (Accessories)	—	QCNW-C332WJQZ	J	12pins L=1000mm, AV PWB to DVI PWB [AV]	AY	
SPAKL0023CEZZ	—	—	Joint, x4	—	QCNW-C333WJQZ	J	14pins L=1000mm, LCD CONT. PWB to Main PWB [SH]	BA	
SSAKA0170CEZZ	—	—	Polyethylene Bag (LC-37GA4E)	—	QCNW-C334WJQZ	J	5pins L=1000mm, CPU PWB to DVI PWB [DU]	AU	
SSAKA0219CEZZ	—	—	Polyethylene Bag	—	QCNW-C487WJQZ	J	9pins L=300mm, LCD CONT. PWB to AV PWB [RM]	AW	
SSAKA1111CEZZ	—	—	Polyethylene Bag	—	QCNW-C492WJQZ	J	33pins FFC L=800mm, LCD CONT. PWB to Main PWB [LV]	AM	
TLABK0001TAZZ	—	—	Bar Code Label	—	QCNW-C493WJQZ	J	45pins FFC L=600mm, AV PWB to Main PWB [FC]	AM	
TLABKA013WJZZ	—	—	No. label (LC-37GA4E/K/F/I)	—	QCNW-C741WJQZ	J	9pins L=1000mm, Power Supply PWB to CPU PWB [DP]	AT	
					QCNW-C845WJQZ	J	4pins L=1000mm, LCD CONT. PWB to AV PWB [ST]	AS	
					QCNW-C846WJQZ	J	40pins L=1000mm, AV PWB to Main PWB [MA]	BL	
					QCNW-C847WJQZ	J	20 to 16pins L=800/1000mm, Power Supply Unit to AV/Main PWB	BG	

PACKING OF THE SET (LC-32GA4E)



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