

**SHARP**

LCD COLOUR TELEVISION

**TECHNICAL REPORT**

SERVICE INFORMATION

No power (LCD power unit failure)

Date : Revised on February 13, 2004  
No. : LV-088From : Quality & Reliability Control Center  
AUDIO-VISUAL Systems Group

General	Please note this service information for your service.
Model	LC-30HV2E, LC-30HV2U, LC-30HV2M, LC-30HV4U
Phenomenon	No power (LCD power unit failure) LCD power unit: RDENCA009WJ**
Cause	Damage of some components (Q5, components on the peripheral circuit of Q5/Q1) caused by solder crack on 5025 type chip resistor
Servicing	In this case, please take the following steps. 1. Add solder to both ends of the following resistors (9 pcs.): R1, R13, R14, R20, R29, R30, R36, R58, R96 2. Replace the following components with new one (22 pcs.): F1, R6, R7, R11, Q1, Q5, Q6, Q13, Q14, D3, D4, IC1, R27, Q9, Q10, D8, D9, R8, R9, R10, R97, Q2

Parts

Parts KIT code	Description	Parts delivery section
BQC-30HV2/4-1	Parts KIT	J

The above parts KIT includes the following parts (22 pcs.):

Ref no.	Parts code	Description	Price code	Q'ty
F1	QFS-A1130SNEZ	Fuse, T3.15A 250V, TR-5 382	AF	1
R6	RR-ERQ14AJ120	Resistor, 12 ohms 1/4W	AD	1
R7	RR-HRNMR15J2C	Resistor, 0.15 ohms 2W HRNM	AD	1
R11, R27	RR-HRSM3R0J3W	Resistor, 3 ohms 3W HRSM	AD	2
D3, D4, D8, D9	VHD1SS193//-1	Diode, 1SS193	AC	4
IC1	VHINJM2375AD1	IC, NJM2375AD	AL	1
R8	VRS-TS2AD101J	Resistor, 100 ohms 1/10W	AA	1
R10	VRS-TS2AD102J	Resistor, 1k ohms 1/10W	AA	1
R97	VRS-TS2AD221J	Resistor, 220 ohms 1/10W	AA	1
R9	VRS-TS2AD821J	Resistor, 820 ohms 1/10W	AA	1
Q10, Q2, Q6	VS2SC2873/Y-1	Transistor, 2SC2873	AD	3
Q5, Q9	VS2SK2717//-1	Transistor, 2SK2717	AP	2
Q1	VS2SK2917//-1	Transistor, 2SK2917	AT	1
Q13	VSDTA124EK/-1	Transistor, DTA124EK	AB	1
Q14	VSDTC124EK/-1	Transistor, DTC124EK	AB	1

Printed in Japan

**SHARP CORPORATION**

LCD POWER UNIT (RDENCA009WJ\*\*)

- Adding solder
- Replacing with new one

