Service Manua

Portable Stereo Component System

Radio Cassette

RX-CS730



Colour

(K) Black Type

Area

Suffix for Model No.	Area	Colour	
(GU)	Asia, Latin America, Middle East and Africa.	(K)	
(GC)	Saudi Arabia, Kuwait, Singapore, Malaysia.	(K)	

TAPE SECTION: SG20 MECHANISM SERIES

Specifications

■ RADIO

Frequency range

MW 530 - 1605 MHz SW₁ 2.3 - 7.0 MHz SW₂ 7.0 - 22.0 MHz

Intermediate frequency

FΜ 10.7 MHz AM 455 kHz Sensitivity 17 dB / 50 mW MW 54 dB / 50 mW SW₁ 35 dB / 50 mW

SW₂ **TAPE RECORDER**

Track system 4 track, 2 channel, stereo Recording system AC bias Erasing system Magnet Monitor system Variable sound monitor Frequency range Normal 60 - 14000 Hz

■ GENERAL

Power requirement

AC 110-127 V / 220-240 V, 50 / 60 Hz Power consumption: 17 W

Battery 12 V (Eight R20 / LR20, D, UM-1 batteries) Do not use rechargeable type batteries.

DC IN 12 - 13.2 V

Power output 90 W ...PMPO 27 W ... RMS (max.) **Speakers** 2 Woofers: 12 cm

Jacks Output SPEAKERS : 8 Ω

Headphones; 32Ω Dimensions (WxHxD) 581 x 255 x 221 mm

Main unit; 261 x 255 x 221 mm

2 Tweeters; 1.5 cm

Speaker box; 169 x 224 x 204 mm

4.8 kg without batteries

Notes:

Weight

Specifications are subject to change without notice. Weight and dimensions are approximate.

⚠ WARNING

88 - 108 MHz

17 dB / 50 mW

This service information is designed for experiense repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.



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■ Contents

	PAGE		PAGE
BEFORE USE	2	SCHEMATIC DIAGRAM	
OPERATION CHECKS	2 ~ 4	PRINTED CIRCUIT BOARD	12 15
MEASUREMENTS AND ADJUSTMENTS	5 ~ 7	CABINET PARTS LOCATION	16 ~ 17
• TERMINAL GUIDE OF IC's,		MECHANISM PARTS LOCATION	18
TRANSISTORS & DIODES	7	REPLACEMENT PARTS LIST	19 ~ 20
WIRING CONNECTION DIAGRAM	8	RESISTORS & CAPACITORS	21 ~ 22
		PACKAGING	

■ BEFORE USE

[FOR (GC) area]

Be sure to disconnect the mains cord before adjusting the voltage selector.

Use a minus(–) screwdriver to set the voltage selector (on the rear panel) to the voltage setting for the area in which the unit will be used. (If the power supply in your area is 117V or 120V, set to the "127V" position.)

Note that this unit will be seriously damaged if this setting is not made correctly. (There is no voltage selector for some countries; the correct voltage is already set.)

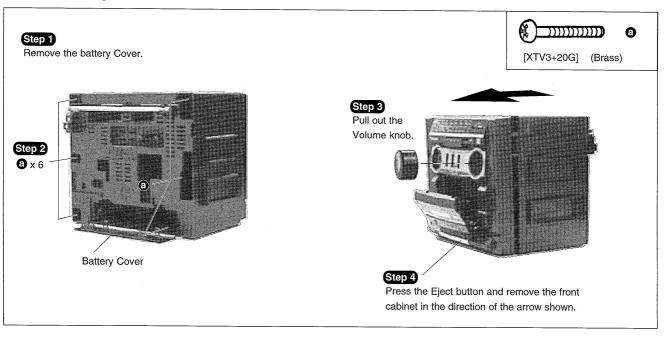
Operation Checks

- " ATTENTION SERVICER " Some chassis component may have shape edges. Be careful when disassembling and servicing.
- 1. This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.
- 2. For reassembly after operation checks or replacement, reverse the respective procedures. Special reassembly procedures are described only when required.
- 3. Select items from the following index when checks or replacement are required.

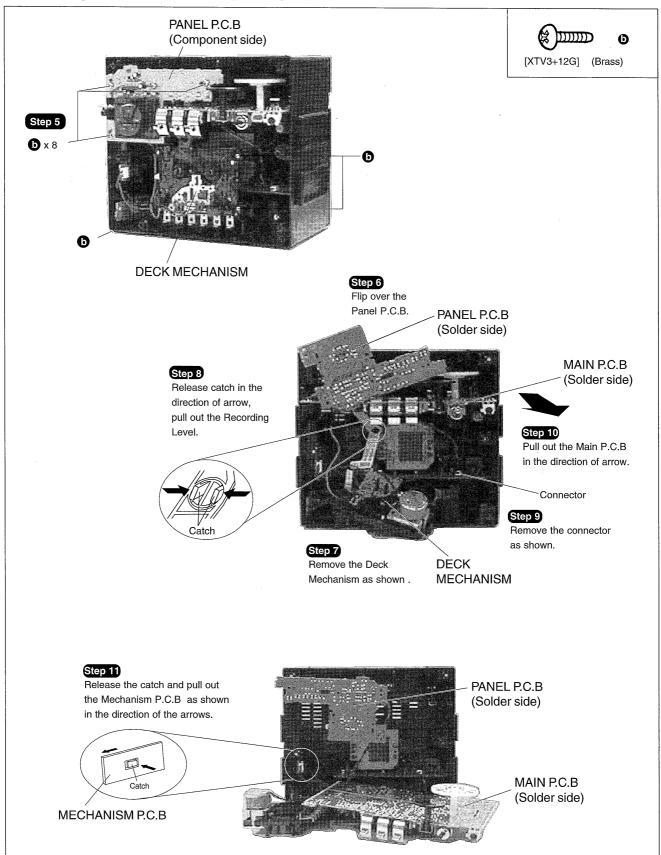
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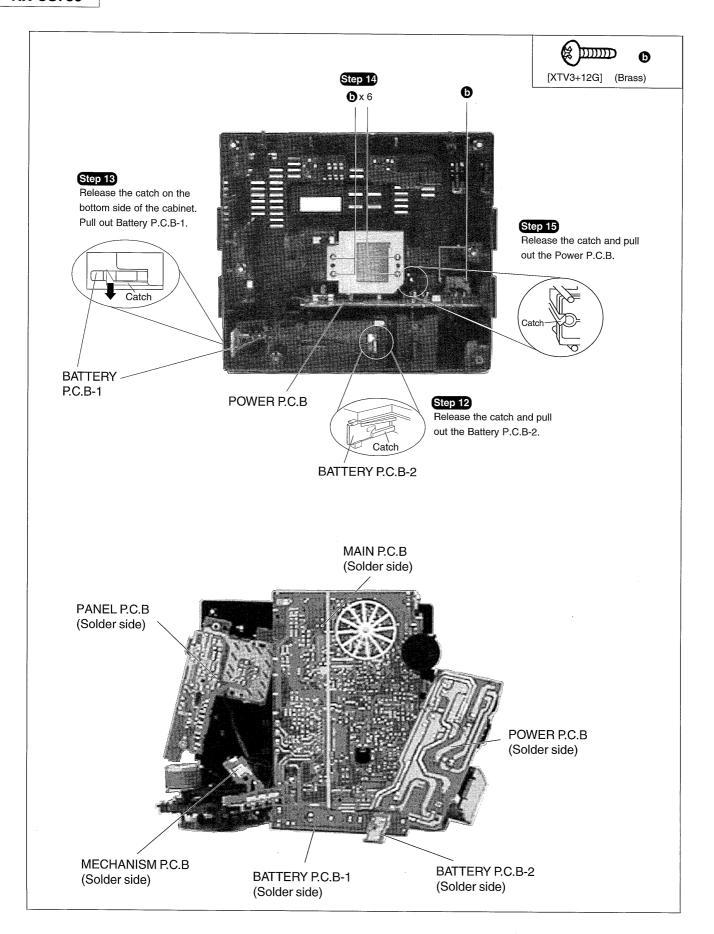
		page
•	Disassembly of the Front Cabinet	2
•	Checking Procedure for Main, Panel, Mechanism, Power And Battery P.C.B	3~4
	The stand of the mann, ranci, medianism, rower And Battery F.O.D	o ~ 4

■ Disassembly Of The Front Cabinet



■ Checking Procedure For Main, Panel, Mechanism And Power P.C.B.





■ Measurements and Adjustments

Tuner Section

• ALIGNMENT INSTRUCTIONS

READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

- 1. Set power source voltage to 12V DC.
- 2. Set volume control to maximum.
- 3. Set band switch to FM, MW, SW1 or SW2.
- 4. Set selector switch to RADIO.

- 5. Set FM MODE/BP switch to MONO/I.
- 6. Set FINE TUNING to center.
- 7. Output of signal generator should be no higher than necessary to obtain an output reading.

SIGNAL GENE SWEEP GEN		RADIO DIAL	INDICATOR (ELECTRONIC VOLTMETER or	ADJUSTMENT	REMARKS	
CONNECTIONS	FREQUENCY	SETTING	OSCILLOSCOPE)	(Shown in Fig.1)		
Fashion a loop of several turns of wire and radiate signal into loop of receiver. 455 kHz 30% Mod. at 400Hz		Point of non- interference.(on/ about 600kHz)	Headphone Jack (32Ω) Fabricate the plug as shown in Fig.2 and then connect the lead wires of the plug to the measuring instrument.	T2 (AM IFT)	Adjust for maximum output.	
● MW-RF ALIG	NMENT					
н	(GU)511 kHz (GC)514 kHz ± 3 kHz	Tuning capacitor fully closed.	п	L8 (MW OSC. Coil)	Adjust for maximum output.	
(GU)1650 kHz (GC)1639 kHz ± 5 kHz		Tuning capacitor fully opened.	U	CT3 (MW ANT. Trimmer)	Adjust for maximum output	
II	" 550 kHz Tune to sig		п	[*1] L3-1 (MW ANT. Coil	Adjust for maximum output. Adjust L3-1 by moving coil bobbin along the ferrite core	
п	1500 kHz	Tune to signal	и	CT2 (MW ANT.Trimmer)	Adjust for maximum output.	
*1] Fix antenna coil wi	th wax after complet	ing alignment.			1	
SW1-RF ALI	GNMENT					
	2.249 MHz	Tuning capacitor fully closed.	u	L9 (SW1 OSC. Coil)	Adjust for maximum output.	
п	7.231 MHz	Tuning capacitor fully opened.	п	VC1-3 (SW1 ANT. VC1)	Adjust for maximum output.	
и .	u 2.3 MHz Tune to sign		п	[*1] L3-2 (SW1 ANT. Coil)	Adjust for maximum output. Adjust L3-2 by moving coil bobbin along the ferrite core	
u	7.0 MHz	Tune to signal	II	VC1-4 (SW1 ANT. VC1)	Adjust for maximum output.	

• SW2 - RF ALI	GNMENT	10, 30				
SIGNAL GENE SWEEP GEN		RADIO DIAL	INDICATOR (ELECTRONIC VOLTMETER or	ADJUSTMENT	REMARKS	
CONNECTIONS	FREQUENCY	SETTING	OSCILLOSCOPE)	(Shown in Fig.1)		
Connect to test point TP1 through ceramic	6.84 MHz	Tuning capacitor fully closed.	Headphone Jack (32Ω) Fabricate the plug as shown in Fig.2 and then connect the lead wires of the plug to the measuring instrument.	L10 (SW2 OSC. Coil)	Adjust for maximum output.	
capacitor (10pF). Negative side to test point	22.80 MHz	Tuning capacitor fully opened.	11	CT5 (SW2 OSC. Trimmer)	Adjust for maximum output.	
	7.0 MHz	Tune to signal	п	L7 (SW2 ANT. Coil)	Adjust for maximum output.	
● FM - IF ALIGN	MENT					
Connect to test point TPT through ceramic capacitor. Negative side to test point TP2.	10.7 MHz (Sweep) Point of non- interference.(on/ about 90MHz)		Connect vert. amp. of scope to test point TP3. Negative side to test point TP4.	T1 (FM 1st IFT)	Waveform is shown in Fig.	
n	u	и	П	T3 (FM 2nd IFT)	Waveform is shown in Fig. 4	
● FM - RF ALIC	NMENT					
Connect to test point TP1 through FM	(GU)86.2 MHz (GC)87.35 MHz ± 50 kHz	Variable capacitor fully closed.	Headphone Jack (32Ω) Fabricate the plug as shown in Fig.2 and then connect the lead wires of the plug to the measuring instrument.	L2 (FM OSC. Coil)	Adjust for maximum output.	
dummy antenna. Negative side to test point TP2.	(GU)109.2 MHz Variable capacitor tuly opened.		п	VC1-1 (FM OSC. VC1)	п	
	106 MHz	Tune to signal	11	VC1-2 (FM ANT. VC1)	Adjust for maximum output.	
[*2] three output resp	onses will be presen	t; proper tuning is th	ne center frequency.	1, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		

Cassette Deck Section

• ALIGNMENT INSTRUCTIONS

READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

Measuring Instruments

Digital frequency counter

Measuring Conditions

- Make sure the heads are clean.
- Make sure the capstan and pressure rollers are clean.

Test Tape

• Tape speed adjustment (3 kHz, - 10 dB) : QZZCWAT

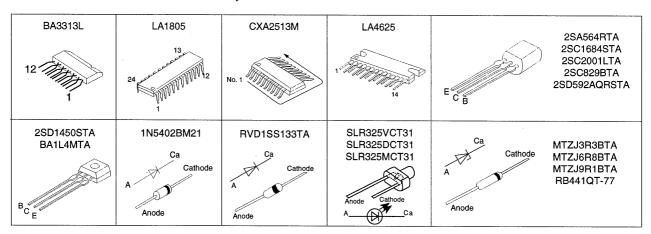
Note: No Azimuth Head Alignment is required due to Aztec Head is used in the cassette mechanism.

• TAPE SPEED ALIGNMENT

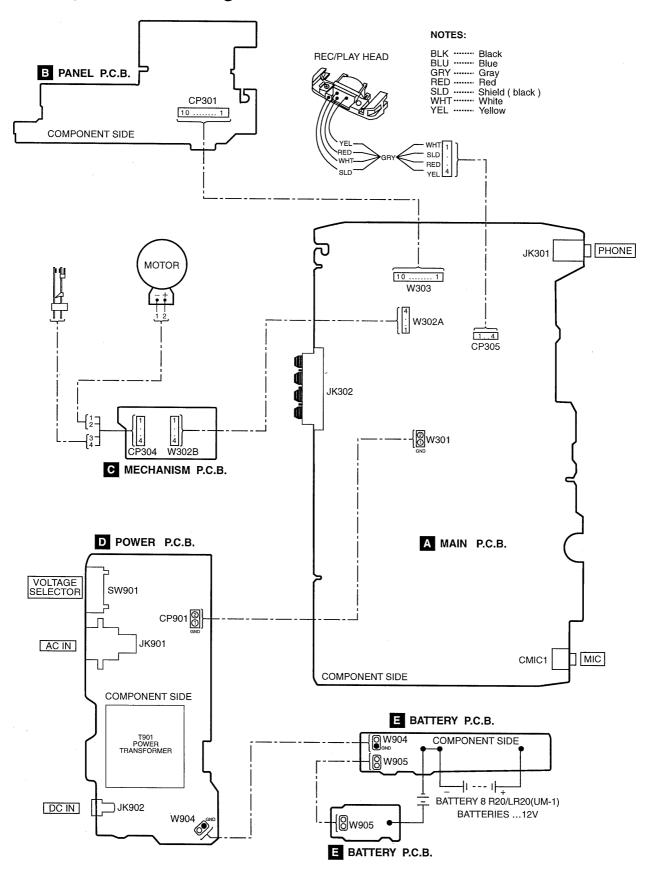
TEST TAPE	EQUIPMENT CONNECTION ELECTRONIC COUNTER	ADJUSTMENT	SPECIFICATION	REMARKS
QZZCWAT	Headphone Jack (32Ω) Fabricate the plug as shown in Fig.2 and then connect the lead wires of the plug to the measuring instrument.	Motor VR (As shown in Fig. 5)	3000 ± 90 Hz	 Set the unit to 'TAPE' posotion. Playback the middle part of the test tape (QZZCWAT). Adjust motor VR for output of 3000 ± 90 Hz shown on frequency counter.

ALIGNMENT POINTS FM OSC 86.2 MHz (GU) FM OSC MW ANT AM IFT 87.25 MHz FM 2nd 109.2 MHz (GU) 550 kHz ± 50 kHz (GC) 455 kHz 10.7 MHz 108.3 MHz L3-1 T2 T3 FM 1st ± 70 kHz (GC) 10.7 MHz VC1-1 T1 MW OSC 511 kHz (GU) 10.7 MHz 514 ± 3 kHz (GC) SW1 ANT L8 7.231 MHz Fig. 3 VC1-3 MW ANT 1 0 1650 kHz (GU) 1639 kHz SW1 ANT ± 5 kHz (GC) 7.0 MHz 0 CT3 VC1-4 **(** 0 SW1 OSC 0 *B' 2.249 MHz SW1 ANT L9 0 2.3 MHz 0 10.7 MHz L3-2 SW2 OSC 22.80 MHz VC1 0 CT5 FM ANT 106 MHz VC1-2 0 SW2 OSC 6.84 MHz Fig. 4 L10 MW ANT 1500 kHz CT2 SW2 ANT 7.0 MHz L7 Fig. 1 Motor To Headphone Jack То Measuring Instrument Fig. 5 $R = 32\Omega$ Fig. 2 Motor VR

■ Terminal Guide of IC's , Transistors and Doides



■ Wiring Connection Diagram



■ Schematic Diagram

(All schematic diagrams may be modified at any time with the development of new technology)

Note:

• S352 Preset equalizer switch (VOCAL) • SW3 BAND select switch • S353 Preset equalizer switch (FLAT) • SW4 R/P switch • S354 Preset equalizer switch (CLEAR) FM MODE/BP switch • SW5 • S355 Preset equalizer switch (SOFT) SW901 Voltage selector switch • S356 Preset equalizer switch (XBS) VR301 Volume control VR. • SW1 SELECTOR switch

· Battery current :

 Vol. min.
390 mA (FM)
 Vol. max.
683 mA (FM)

 390 mA (AM)
 685 mA (AM)

 458 mA (TAPE)
 872 mA (TAPE)

Measurement Instruction

AM : 74 dB/m , 30% Mod. FM : 60 dB/m , 30% Mod. TAPE : 315 Hz , 0 dB

• Signal line

: +B line : AM signal line : FM signal line : FM OSC signal line : FM OSC signal line : FM/AM signal line : Playback signal line

• The voltage value and waveforms are the reference voltage of this unit measured by DC electronic voltmeter (high impedance) and oscilloscope on the basis of chassis.

Accordingly, there may arise some error in voltage values and waveforms depending upon the internal impedance of the tester or the measuring unit.

() AM, < > FM No mark Playback position, << >> Record position

• Importance safety notice:

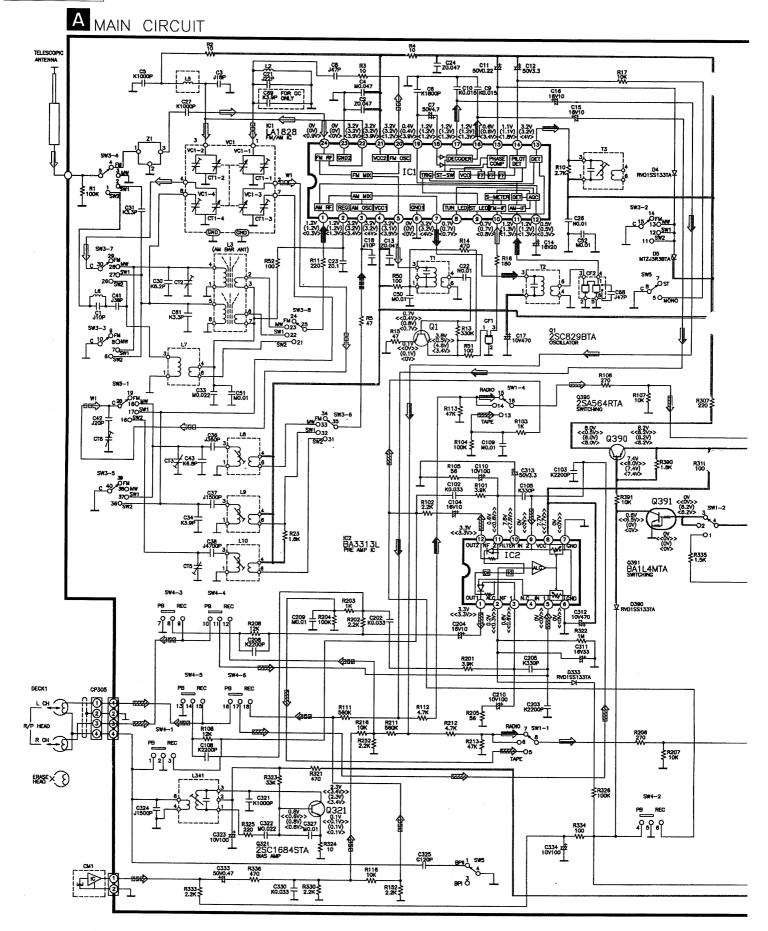
Components identified by \(\frac{\Lambda}{\Lambda} \) mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

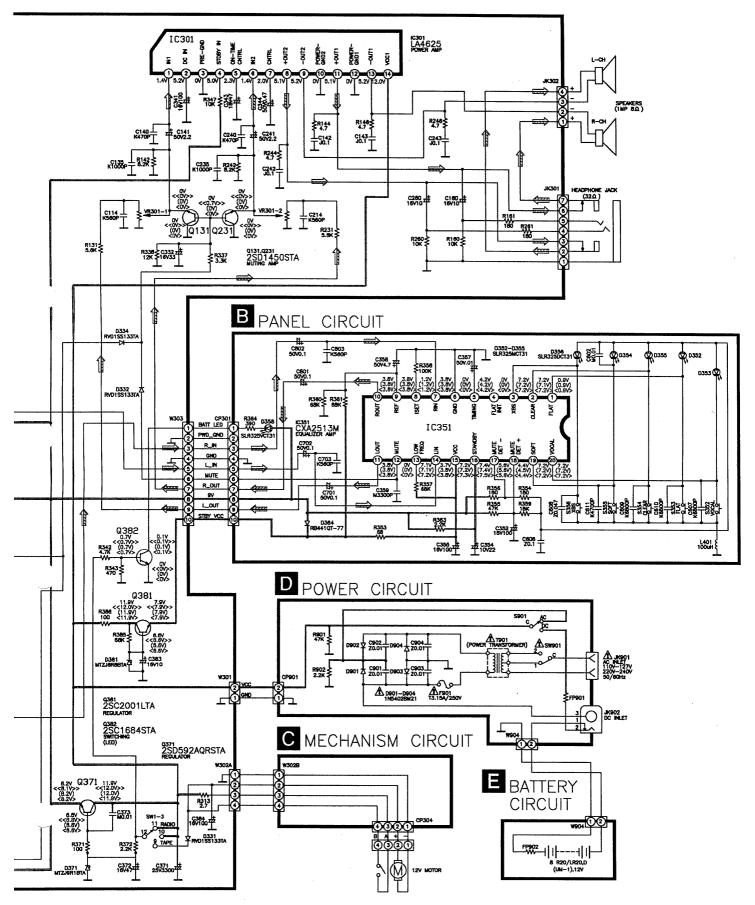
Caution !

IC, LSI and VLSI are sensitive to static electricity.

Secondary trouble can be prevented by taking care during repair.

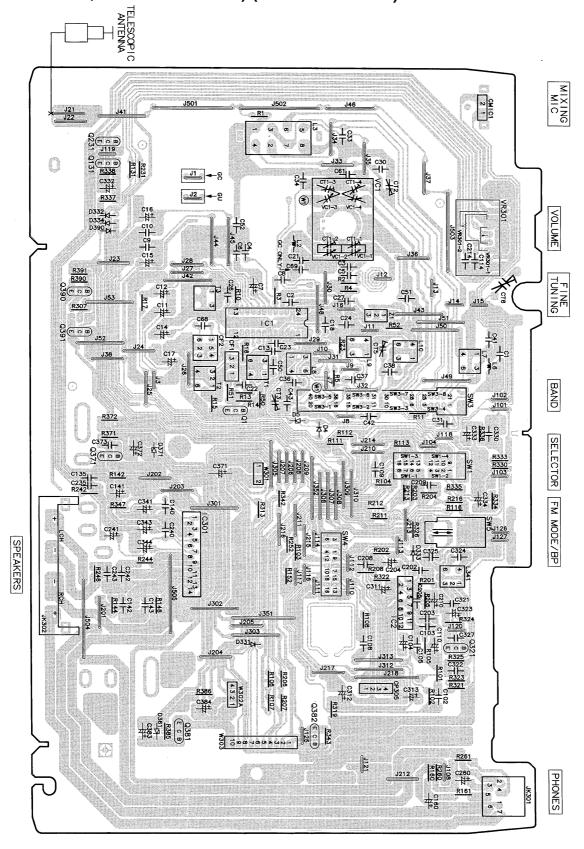
- Cover the parts boxes made of plastics with aluminium foil.
- Ground the soldering iron.
- Do not touch the pins of IC, LSI or VLSI with fingers directly.
- Put a conductive mat on the work table.

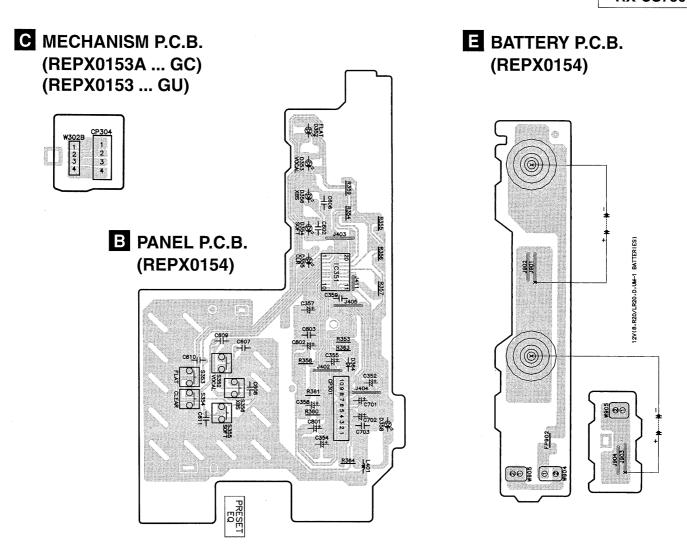




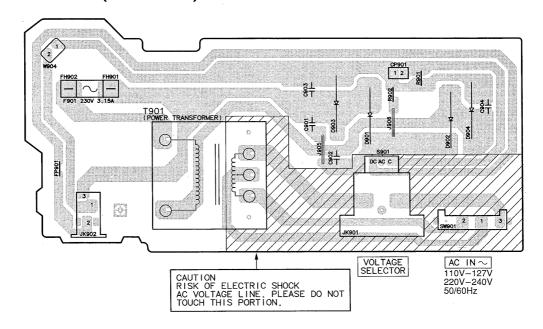
■ Printed Circuit Board

A MAIN P.C.B. (REPX0153A ... GC) (REPX0153 ... GU)

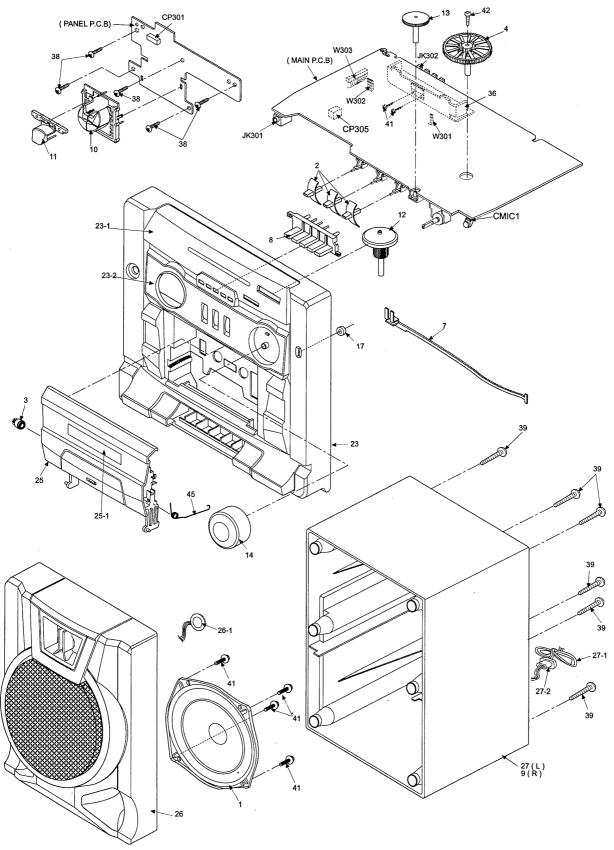


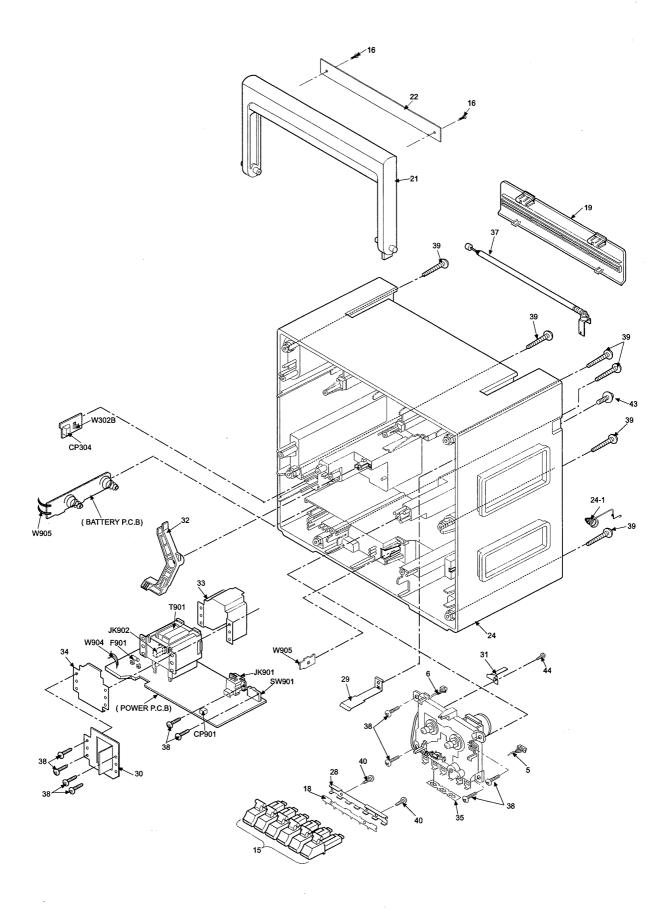


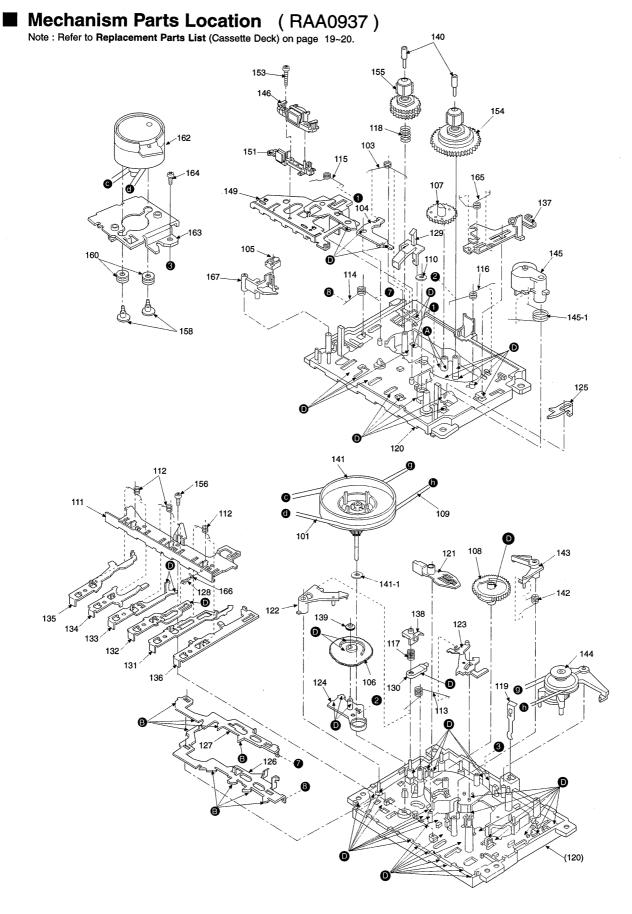
D POWER P.C.B. (REPX0154)



■ Cabinet Parts Location







■ Replacement Parts List

Notes: * Important safety notice:

Components identified by \(\frac{\text{\text{\text{\text{}}}}}{\text{\text{}}}\) mark have special characteristics important for safety.

Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

* The "SF" mark denotes the standard parts.

* [M] in Remarks column indicates parts that are supplied by MESA.

Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks
		CABINET AND CHASSIS		30	RMAX0041	METAL BRACKET	[M]	123	RML0073-1	AS PROTECT LEVER	[M]
			,	31	RMC0046	RECORD SPRING	[M]	124	RML0074	IDLER LEVER	[M]
1	RAS12P06-H	SPEAKER WOOFER	[M]	32	RMLX0013	RECORDING LEVER	[M]	125	RML0076	EJECT SELECTION LEVEL	
2	RBD562WA-S	SELECTOR KNOB	[M]	33	RMVX0036	TRANS. SHIELD PLATE	[M]	126	RML0077	LOCK PLATE	[M]
3	RDG0183-L	DAMPER GEAR	[M]	34	RMVX0037	TRANS. TOP SHIELD	[M]	127	RML0078	FUNCTION PLATE	[M]
4	RDGX0011	VARICON GEAR	[M]	35	RMXX0004	SPACER	[M]	128	XTN2+4F	EARTH LUG SCREW	[M]
5	REXX0117-1	MOTOR WIRE	[M]	36	RMYX0033	HEAT SINK	[M]	129	RML0081-1	RECORD SAFETY LEVER	
6	REXX0187	TAPE HEAD WIRE	[M]	37	XEARR175EA-Y	ANTENNA ROD	[M]	130	RML0082	PAUSE LEVER	[M]
7	RGJX0017-W	POINTER	[M]	38	XTV3+12G	MOUNTING SCREW	[M]	131	RMM0023	PLAY ROD	[M]
8	RGLX0011-Q	LED DIFFUSER	[M]	39	XTV3+20G	CASING SCREW	[M]	132	RMM0024	REW ROD	[M]
9	RFKHCT850-KB	SPK BK CAB ASS'Y (R)	[M]	40	XTV3+8G	MECHA SCREW	[M]	133	RMM0025	FF ROD	[M]
10	RGUX0260-H	EQ BUTTON (BOTTOM)	[M]	41	XTW3+10F	SCREW	[M]	134	RMM0026	STOP ROD	[M]
11	RGUX0261-H	EQ BUTTON (TOP)	[M]	42	XYN26+C6	VARICON GEAR SCREW	[M]	135	RMM0027	PAUSE ROD	[M]
12	RGWX0037-K	TUNING KNOB	[M]	43	XYN3+F12FY	ANT SCREW	[M]	136	RMM0028	REC ROD	[M]
13	RGWX0038-K	FINE TUNING KNOB	[M]	44	XTN2+4F	RECORDING SPRING SCR.	[M]	137	RMM0029	EJECT SLIDE LEVER	
14	RGWX0039-H	VOLUME KNOB	[M]	45	RMEX0006						[M]
15	RGZX0030A-S	MECHA BUTTON (SET)	[M]	10	THILXOOO	CASS. OPEN SPRING [M] 138 RMR0211 PAUSE BUSH			[M]		
16	RHD20050-K	HDL. ORNAMENT SCREW		-		139 RMR0227 IDLER GEAR BUSH			[M]		
17	RHG720YA	MIC RUBBER	-			CASSETTE DECK 140			RMS0055	REEL SHAFT	[M]
18	RHRX0008		[M]	101	DD\(0001.1	MANIDELTICAL	20	141	RXF0020	FLYWHEEL ASSY	[M]
19	RKK2SZA-0	MECHA BUTTON SEAT	[M]		RDV0021-1 RMB0109-1	MAIN BELT 'D'	[M]	141-1	RHW21008	FLYWHEEL WASHER	[M]
		BATTERY COVER	[M]	103		BRAKE SPRING	[M]	142	RMB0044	TRIGGER SPRING	[M]
21	RKHX0008-K	HANDLE	[M]	104	RML0116	BRAKE	[M]	143 RML0075		TRIGGER LEVER	[M]
22	RKXX0007-K	HANDLE ORNAMENT	[M]	105	RBR2CY009	ERASE HEAD	[M]	144	RXP0014	RF CLUTCH ASSY	[M]
23	RFKGCS730GCK	FRONT CAB ASS'Y	[M]GC	106	RDG0057	IDLER GEAR	[M]	145	RXP0015	PINCH ROLLER ASSY	[M]
23	RFKGCS730GUK	FRONT CAB ASS'Y	[M]GU	107	RDG0059	FF RELAY GEAR	[M]	145-1	RMB0049	PINCH ARM SPRING	[M]
23-1	RKWX0118A-Q	DIAL PANEL	[M]GC	108	RDK0005	CAM GEAR	[M]	146	RBR4CY016-M	AZTEC STEREO HEAD	[M]
23-1	RKWX0118-Q	DIAL PANEL	[M]GU	109	RDV0006-1	RF BELT	[M]	149	RMA0696	ASTEC HEAD PANEL	[M]
23-2	RKWX0119-Q	OPERATION PANEL	[M]	110	RHW16009	CAPSTAN WASHER	[M]	151	RMQ0384	HEAD BASE	[M]
24	RFKHCS730GCK	BACK CAB ASS'Y	[M]GC	111	RMA0109	BACK PLATE	[M]	153	XTN2+14F	AZTED HEAD SCREW	[M]
24	RFKHCS730GUK	BACK CAB ASS'Y	[M]GU	112	RMB0043-1	ROD OPERATION SPRING	[M]	154	RXR0004	TAKE UP REEL ASSY	[M]
24-1	RJC91006	BATTERY TERMINAL	[M]	113	RMB0045	A.S. SPRING	[M]	155	RXR0005	SUPPLY REEL ASSY	[M]
25	RFKLCS730GCK	CASS LID ASS'Y	[M]	114	RMB0046-1	LOCK PLATE SPRING	[M]	156	XTN2+6J	BACK PLATE SCREW	[M]
25-1	RKWX0120-Q	CASS LID PANEL	[M]	115	RMB0047	HEAD PANEL SPRING	[M]	158	RHD26002	MOTOR SCREW	[M]
26	RFKGCT850-KA	SPK FRONT CAB ASS'Y	[M]	116	RMB0048	IDLER LEVER SPRING	[M]	160	RMG0102	MOTOR RUB. CUSHION	[M]
26-1	EFBS10D40A1	TWEETER	[M]	117	RMB0053	PAUSE LEVER SPRING	[M]	162	RFKPXDS101PK	DC MOTOR ASS'Y	[M]
27	RFKHCT850-KA	SPK BK CAB ASS'Y (L)	[M]	118	RMB0125	BACK TENSION SPRING	[M]	163	RMA0108	MOTOR BK	[M]
27-1	REXX0089	SPEAKER WIRE	[M]	119	RMC0061	PACK SPRING	[M]	164	XTN26+8J	MOTOR BK SCREW	[M]
27-2	RMGX0012-K	CORD BUSHING	[M]	120	RFKRCT090P-K	CHASSIS ASS'Y	[M]	165	RME0098-2	E SLIDE LEVER SPRING	[M]
28	RMAX0006	ANGLE BAR	[M]	121	RML0071	SWING LEVER	[M]	166	RJR0033	EARTH LUG	[M]
29	RMAX0035	ANT TERMINAL	[M]	122	RML0072	AS RELEASE LEVER	[M]	167	RML0080-2	ERASE HEADARM	[M]

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Ref No.	Part No.	Part Name & Description Remarks Ref No. Part No. Part Name & Description					Remarks	Ref No.	Part No.	Part Name & Description	Remarks
						SWITCHES				CERAMIC FILTERS	
		INTEGRATED CIRCUITS		S352	EVQ21405R	SW, VOCAL	[M]	CF1	RVF107WDZT	10.7M FILTER	[M]
				S353	EVQ21405R	SW, FLAT	[M]	CF2	RVFSFZ455JL	AM IF	[M]
IC1	LA1828	IG, FM/AM	[M]	S354	EVQ21405R	SW, CLR	[M]				
IC2	BA3313L	IC, R/P	[M]	S355	EVQ21405R	SW, SOFT	[M]			FUSES	
IC301	LA4625	IC, POWER	[M]	S356	EVQ21405R	SW, XBS	[M]				
IC351	CXA2513M	IC, GEQ	[M]	SW1	RST2D001-H	SW, FUNCTION	[M]	F901	XBA2C31TB0	FUSE	[M] <u></u>
				SW3	RST4H18ZA-H	SW, BAND	[M]				
		TRANSISTORS		SW4	RSP2F001-A	SW, R/P	[M]			FUSE PROTECTORS	
				SW5	RST2B54ZA-H	SW, BEATPROOF/STEREO	[M]				
Q1	2SC829BTA	TRANSISTOR	[M]	SW901	RSR2A005S-H	SW, VOLTAGE SELECTOR	[M] <u>^</u>	FP901 RSFMB40KT-L		FUSE PROTECTOR	[M]
Q131	2SD1450STA	TRANSISTOR	[M]					FP902	RSFMB50KT-L	FUSE PROTECTOR	[M]
Q231	2SD1450STA	TRANSISTOR	[M]			VARIABLE CAPACITORS					
Q321	2SC1684STA	TRANSISTOR	[M]							FUSE HOLDERS	
Q371	2SD592AQRSTA	TRANSISTOR	[M]	CT2	ECRLA010A53R	VARIABLE CAPACITOR	[M]				
Q381	2SC2001LTA	TRANSISTOR	[M]	СТЗ	ECRLA010A53R	VARIABLE CAPACITOR	[M]	FH901	RJR0169T	FUSE HOLDER	[M]
Q382	2SC1684STA	TRANSISTOR	[M]	CT5	RCV10AF1T-S	TRIMMER CAP	[M]	FH902	RJR0169T	FUSE HOLDER	[M]
Q390	2SA564RTA	TRANSISTOR	[M]	СТ6	RCVMFTPC7B	FINE TUNE CAP	[M]				
Q391	BA1L4MTA	TRANSISTOR	[M]	VC1	RCV4RCT0V-R	VARICON	[M]			JACKS	
		DIODES				CONNECTORS		JK301	RJJ37TK08-H	JK, HP	[M]
						JK302 RJF1098ZA-H JK, SPEAKE		JK, SPEAKER	[M]		
D4	RVD1SS133TA	DIODE	[M]	CMIC1	RJM164YA	CONDENSER MIC	[M]	JK901 RJJ1SE01-1H		JK, AC INLET	[M] <u>1</u>
D5	MTZJ3R3BTA	DIODE	[M]	CP301	RJP10G18ZA	10P CONN	[M]	JK902	RJJB3ZE-C	JK, DC INLET	[M]
D331	RVD1SS133TA	DIODE	[M]	CP304	RJP4G9YA	4P CONN (HOR)	[M]				
D332	RVD1SS133TA	DIODE	[M]	CP305	RJP4G18ZA	TAPE HEAD CONN	[M]			WIRES	
D333	RVD1SS133TA	DIODE	[M]	CP901	RJP2G9YA	2P CONN (HOR)	[M]				
D334	RVD1SS133TA	DIODE	[M]					W301	REXX0185	MAIN TO POWER WIRE	[M]
D352	SLR325MCT31	DIODE	[M]			COILS & TRANSFORMERS		W303	REXX0186	MAIN TO PANEL WIRE	[M]
D353	SLR325MCT31	DIODE	[M]					W904	RWJ0202130KK	BATTERY WIRE (SHORT)	[M]
D354	SLR325MCT31	DIODE	[M]	L2	RL04P002T-E	AIR COIL	[M]				
D355	SLR325MCT31	DIODE	[M]	L3	RLV5C008	AM BAR ANT	[M]			PACKING MATERIALS	
D356	SLR325DCT31	DIODE	[M]	L6	RLQY30S4W	COIL	[M]				
D358	SLR325VCT31	DIODE	[M]	L7	RLA3B44-M	COIL	[M]	P1	RPGX0462	GIFT BOX	[M]GU
D361	MTZJ6R8BTA	DIODE	[M]	L8	RL02B108-M	MW OSC COIL	[M]	P1	RPGX0463	GIFT BOX	[M]GC
D364	RB441QT-77	DIODE	[M]	L9	RL03B91-M	SW1 OSC COIL	[M]	P2	RPH3SZB	MIRAMAT SHEET	[M]
D371	MTZJ9R1BTA	DIODE	[M]	L10	RL03B95-M	SW2 OSC COIL	[M]	P3	RPNX0074	POLYFOAM	[M]
D390	RVD1SS133TA	DIODE	[M]	L341	RL09B17-T	BIAS COIL	[M]				
D901	1N5402BM21	DIODE	[M]	L401	RLQZP101KT-Y	AXIAL COIL	[M]			ACCESSORIES	
D902	1N5402BM21	DIODE	[M]	T1	RLI4B153-M	FM IF COIL	[M]				
D903	1N5402BM21	DIODE	[M]	T2	RLI2B153-M	AM IF COIL	[M]	A1	RQT4237-G	O/I BOOK	[M]
D904	1N5402BM21	DIODE	[M]	T3	RLI4B153-M	FM IF COIL	[M]	A1	RQT4238-M	O/I BOOK	[M]GU
			-	T901	RTP1U1E007-X		[M] <u>(1</u>	A2	RJA0004	AC CORD 1	[M]GU
		VARIABLE RESISTORS					- 4	A2	RJA0019-2K	AC CORD	[M]GC
						COMPONENT COMBINATION		A3	RJP1SG02-H	AC PLUG ADAPTOR	[M]GU
VR301	EWCU1AF20B54	VR, XBS VOLUME	[M]			- Calphon Ion		A3	SJP5213-2	AC PLUG ADAPTOR	[M]GC
		,	1000	Z1	RCRBMT003-H	BAND PASS FILTER	[M]	<u> </u>			1,,00
	L	1		<u></u>	11-0001111000-11	DIMID I AGO I ILILI	Lixil		L	l	

■ Resistors & Capacitors

Notes: * Important safety notice:
Components identified by Δ mark have special characteristics important for safety.
Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors),etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

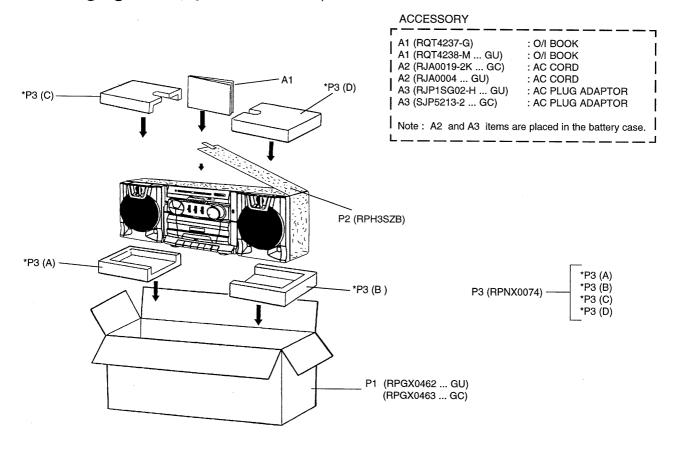
* Capacitor values are in microfarad (μF) unless specified otherwise, P=Pico-farads (pF) F=Farads (F)

* Resistors values are in ohms, unless specified otherwise, 1k=1,000(OHM), 1M=1,000k(OHM)

RESISTORS																
ROBERTINIST 100K 140W MI R21	lo.	Part No.	Values & Remarks	Ref No.	Part No.	Value	s & Remarks	Ref No.	Part No.	Value	s & Remarks	Ref No.	Part No.	Values		emarks
Page Property Page Property Page Property Page Pa	RE	ESISTORS		R206	ERDS2TJ271T	270	1/4W [M]	R363	ERDS2TJ222T	2.2K	1/4W [M]	C37	ECQP2A152JZT	1500P	100V	[M]
REDISTRICT 10 14W M				R207	ERDS2TJ103T	10K	1/4W [M]	R364	ERDS2TJ391T	390	1/4W [M]	C38	ECQP2A472JZT	4700P	100V	[M]
Page Property Page Pag	EF	RDS2TJ104T	100K 1/4W [M]	R208	ERDS2TJ123T	12K	1/4W [M]	R371	ERDS2TJ101T	100	1/4W [M]	C41	ECBT1H390J5	39P	50V	[M]
Restaurable	EF	RDS2TJ100T	10 1/4W [M]	R211	ERDS2TJ564T	560K	1/4W [M]	R372	ERDS2TJ222T	2.2K	1/4W [M]	C42	ECBT1H200JC5	20P	50V	[M]
R5	EF	RDS2TJ100T	10 1/4W [M]	R212	ERDS2TJ472T	4.7K	1/4W [M]	R385	ERDS2TJ683T	68K	1/4W [M]	C43	ECBT1H6R8KC5	6.8P	50V	[M]
R10	EF	RDS2TJ100T	10 1/4W [M]	R213	ERDS2TJ473T	47K	1/4W [M]	R386	ERDS2TJ101T	100	1/4W [M]	C50	ECBT1C103MS5	0.01	16V	[M]
R11	EF	RDS2TJ390T	47 1/4W [M]	R216	ERDS2TJ103T	10K	1/4W [M]	R390	ERDS2TJ182T	1.8K	1/4W [M]	C51	ECBT1C103MS5	0.01	16V	[M]
R13	EF	RDS2TJ272T	2.7K 1/4W [M]	R231	ERDS2TJ562T	5.6K	1/4W [M]	R391	ERDS2TJ103T	10K	1/4W [M]	C52	ECBT1C103MS5	0.01	16V	[M]
R14 ERDSZTJ471T	EF	RDS2TJ221T	220 1/4W [M]	R242	ERDS2TJ822T	8.2K	1/4W [M]	R901	ERDS2TJ473T	47K	1/4W [M]	C61	ECBT1H3R3KC5	3.3P	50V	[M]
R15	EF	RDS2TJ334T	330K 1/4W [M]	R244	ERD2FCVJ4R7T	4.7	1/4W [M]	R902	ERDS2TJ222T	2.2K	1/4W [M]	C68	ECBT1H470J5	47P	50V	[M]
R16	EF	RDS2TJ471T	470 1/4W [M]	R246	ERD2FCVJ4R7T	4.7	1/4W [M]					C69	ECBT1H3R9KC5	3.9P	50V	[M]GC
R17	EF	RDS2TJ470T	47 1/4W [M]	R252	ERDS2TJ222T	2.2K	1/4W [M]		CAPACITORS			C102	ECFR1C333KR	0.033	16V	[M]
R23 ERDSZTJ162T 1.8K 1/4W [M] R31 ERDS1FVJ2R7T 2.7 1/2W [M] C3 ECBT1HT372E5 0.047 50V [M] C105 ECBT1H331KBS 3 R50 ERDSZTJ101T 100 1/4W [M] R313 ERDS1FVJ2R7T 2.7 1/2W [M] C3 ECBT1H50JCS 15P 50V [M] C108 ECBT1C3MSS 0 C108 ERDSZTJ101T 100 1/4W [M] R319 ERDSZTJ101T 100 1/4W [M] R320 ERDSZTJ103T 10K 1/4W [M] R330 ERDSZTJ103T 10K 1/4W [M] R340 ERDSZTJ103T 10K 1/4W [M] R	EF	RDS2TJ181T	180 1/4W [M]	R260	ERDS2TJ103T	10K	1/4W [M]					C103	ECBT1C222KR5	2200P	16V	[M]
R50	EF	RDS2TJ103T	10K 1/4W [M]	R261	ERDS2TJ181T	180	1/4W [M]	C1	ECBT1H100JC5	10P	50V [M]	C104	ECA1CM100B	10	16V	[M]
R51 RDS2TJ101T 100	EF	RDS2TJ182T	1.8K 1/4W [M]	R307	ERDS2TJ221T	220	1/4W [M]	C2	ECBT1H473ZF5	0.047	50V [M]	C105	ECBT1H331KB5	330P	50V	[M]
R52 RDSZTJ101T 100 1/4W [M] R321 ERDSZTJ471T 470 1/4W [M] C5 ECBT1H102KB5 1000P50V [M] C110 ECA1AM101B 1 R105ZTJ39ZT 3,9K 1/4W [M] R322 ERDSZTJ105T 1M 1/4W [M] C6 ECBT1C182KR5 1800P16V [M] C114 ECBT1H651KB5 5 R102 ERDSZTJ22ZT 2,2K 1/4W [M] R323 ERDSZTJ333T 3,3K 1/4W [M] C6 ECBT1C182KR5 1800P16V [M] C114 ECBT1H651KB5 5 ERDSZTJ102T 1K 1/4W [M] R324 ERDSZTJ103T 10 1/4W [M] R325 ERDSZTJ333T 3,3K 1/4W [M] R325 ERDSZTJ333T 3,3K 1/4W [M] C8 ECBT1H470J5 47P 50V [M] C140 ECBT1H47KB5 4 ERDSZTJ104T 100K 1/4W [M] R325 ERDSZTJ32TT 220 1/4W [M] C9 ECFR1C153KR 0.015 16V [M] C141 ECA1HM2R2B 2 ERDSZTJ32TT 2,2K 1/4W [M] R333 ERDSZTJ32ZT 2,2K 1/4W [M] R334 ERDSZTJ33TT 1/4W [M] R334 ERDSZTJ32TT 2,2K 1/4W [M] R335 ERDSZTJ33TT 1/4W [M] R335 ERDSZTJ33TT 1/4W [M] R335 ERDSZTJ33TT 1/4W [M] R336 ERDSZTJ33TT 1/4W [M] R337 ERDSZTJ33TT 1/4W [M] R338 ERDSZ	EF	RDS2TJ101T	100 1/4W [M]	R313	ERDS1FVJ2R7T	2.7	1/2W [M]	C3	ECBT1H150JC5	15P	50V [M]	C108	ECBT1C222KR5	2200P	16V	[M]
R101 ERDSZTJ392T 3.9K 1/4W M R322 ERDSZTJ105T 1M 1/4W M C6 ECBT1C182KR5 1800P16V M C114 ECBT1H651KB5 5 C114 ECBT1H651KB5 5 C114 ECBT1H62KB5 1800P16V M C135 ECBT1H62KB5 1800P16V M C140 ECBT1H471KB5 4 ECBT1H471KB5 4 C140 ECBT1H471KB5 4 ECBT1H47	EF	RDS2TJ101T	100 1/4W [M]	R319	ERDS2TJ101T	100	1/4W [M]	C4	ECFR1C473MR	0.047	16V [M]	C109	ECBT1C103MS5	0.01	16V	[M]
R102 ERDSZTJ222T 2.2K	EF	RDS2TJ101T	100 1/4W [M]	R321	ERDS2TJ471T	470	1/4W [M]	C5	ECBT1H102KB5	1000F	50V [M]	C110	ECA1AM101B	100	10V	[M]
R102 ERDSZTJ222T 2.2K 1/4W M R323 ERDSZTJ333T 33K 1/4W M C7 ECA1HM4R7B 4.7 50V M C140 ECBT1H17IKB5 4 R104 ERDSZTJ102T 1K 1/4W M R324 ERDSZTJ100T 10 1/4W M C3 ECBT1H470J5 47P 50V M C140 ECBT1H47IKB5 4 R104 ERDSZTJ104T 100K 1/4W M R325 ERDSZTJ221T 220 1/4W M C140 ECBT1H470J5 47P 50V M C141 ECA1HM2R2B 2 ERDSZTJ21T 220 1/4W M C140 ECBT1H470J5 47P 50V M C141 ECA1HM2R2B 2 ERDSZTJ21T 220 1/4W M C140 ECBT1H470J5 47P 50V M C142 ECQV1H104J23 0 ERDSZTJ21T 270 1/4W M R326 ERDSZTJ222T 2.2K 1/4W M C140 ECA1HM2R2B 0.22 50V M C142 ECQV1H104J23 0 ERDSZTJ23T 10K 1/4W M R333 ERDSZTJ222T 2.2K 1/4W M C140 ECA1HM3R3B 3.3 50V M C140 ECA1CM100B 1 ERDSZTJ33T 12K 1/4W M R334 ERDSZTJ315T 1.5K 1/4W M C140 ECA1CM100B 1 ERDSZTJ33T 47K 1/4W M R335 ERDSZTJ33ZT 3.3K 1/4W M C140 ECA1CM100B 10 16V M C204 ECA1CM100B 1 ERDSZTJ33T 10K 1/4W M R345 ERDSZTJ37T 4.7K 1/4W M R345 ERDSZTJ37T 4.7K 1/4W M R345 ERDSZTJ38T 10K 1/4W M R346 ERDSZTJ38T 10K 1/4W M R347 ERDSZTJ38T 10K 1/4W M R346 ERDSZTJ38T 10K 1/4W M R346 ERDSZTJ38T 10K 1/4W M R346 ERDSZTJ38T 10K 1/4W M R347 ERDSZTJ38T 10K 1/4W M R348 ERDSZTJ38T 10K 1/4W M R347 ERDSZTJ38T 10K 1/4W M R347 ERDSZTJ38T 10K 1/4W M R348 ERDS	EF	RDS2TJ392T	3.9K 1/4W [M]	R322	ERDS2TJ105T	1M	1/4W [M]	C6	ECBT1C182KR5	1800F	16V [M]	C114	ECBT1H561KB5	560P		[M]
R103 REDSZTJ102T 1K	EF	RDS2TJ222T	2.2K 1/4W [M]	R323	ERDS2TJ333T	33K	1/4W [M]	C7	ECA1HM4R7B	l		C135	ECBT1H102KB5	1000P	50V	[M]
R105 ERDSZTJ560T 56 1/4W M R326 ERDSZTJ104T 100K 1/4W M C10 ECFR1C153KR 0.015 16V M C142 ECQV1H104JZ3 0 C17 ERDSZTJ271T 270 1/4W M R330 ERDSZTJ22ZT 2.2K 1/4W M C11 ECA1HMR22B 0.22 50V M C143 ECQV1H104JZ3 0 C17 ERDSZTJ103T 10K 1/4W M R333 ERDSZTJ22ZT 2.2K 1/4W M C12 ECA1HMR3BB 3.3 50V M C160 ECA1CM100B 1 ERDSZTJ323T 12K 1/4W M R334 ERDSZTJ101T 100 1/4W M C13 ECBT1H473ZF5 0.047 50V M C202 ECFR1C333KR 0 C202 ECFR1C333KR 0 C203 ECBT1C22ZKR5 2 ERDSZTJ472T 4.7K 1/4W M R336 ERDSZTJ15ZT 1.5K 1/4W M C14 ECA1CM220B 20 16V M C204 ECA1CM100B 1 ERDSZTJ473T 4.7K 1/4W M R337 ERDSZTJ33ZT 3.3K 1/4W M C15 ECA1CM100B 10 16V M C204 ECA1CM100B 1 ERDSZTJ33ZT 3.3K 1/4W M C16 ECA1CM100B 10 16V M C204 ECA1CM100B 1 ERDSZTJ33ZT 3.3K 1/4W M C16 ECA1CM100B 10 16V M C205 ECBT1H331KB5 3 ERDSZTJ33ZT 3.3K 1/4W M C17 ECA1AM471B 470 10V M C208 ECBT1C22ZKR5 2 ERDSZTJ32ZT 3.2K 1/4W M C17 ECA1AM471B 470 10V M C208 ECBT1C22ZKR5 2 ERDSZTJ32ZT 3.2K 1/4W M C214 ECBT1H30LCS 10P 50V M C209 ECBT1C103MSS 0 ERDSZTJ32ZT 3.2K 1/4W M C214 ECBT1H30LCS 18P 50V M C214 ECBT1H30LBS 3 ERDSZTJ32ZT 3.2K 1/4W M C224 ECBT1H32ZFS 0.047 50V M C244 ECBT1H32RBS 3 ERDSZTJ32ZT 3.2K 1/4W M C224 ECBT1H32ZFS 0.047 50V M C245 ECBT1H32RBS 3 ERDSZTJ32ZT 3.2K 1/4W M C226 ECBT1C103NSS 0.01 16V M C241 ECA1HM2R2B 2 ERDSZTJ32ZT 3.2K 1/4W M C245 ECBT1H32ZFS 0.047 50V M C246 ECBT1H32ZFS 0.047 50V M	EF	RDS2TJ102T	1K 1/4W [M]	R324	ERDS2TJ100T	10	1/4W [M]	C8	ECBT1H470J5	47P	50V [M]	C140	ECBT1H471KB5	470P	50V	[M]
R106 ERDSZTJ271T 270 1/4W M R330 ERDSZTJ222T 2.2K 1/4W M C11 ECA1HMR22B 0.22 50V M C143 ECQV1H104JZ3 0 C140 ERDSZTJ37T 10K 1/4W M R333 ERDSZTJ22ZT 2.2K 1/4W M C12 ECA1HM3R3B 3.3 50V M C160 ECA1CM100B 1 ERDSZTJ37T 12K 1/4W M R334 ERDSZTJ15ZT 1.5K 1/4W M C13 ECBT1H473ZF5 0.047 50V M C202 ECFR1C333KR 0 C141 ERDSZTJ47ZT 4.7K 1/4W M R336 ERDSZTJ471T 470 1/4W M C15 ECA1CM100B 10 16V M C204 ECA1CM100B 1 ERDSZTJ473T 47K 1/4W M R338 ERDSZTJ37ZT 3.3K 1/4W M C15 ECA1CM100B 10 16V M C205 ECBT1H331KB5 3 ERDSZTJ37ZT 3.3K 1/4W M C16 ECA1CM100B 10 16V M C206 ECBT1H331KB5 3 ERDSZTJ37ZT 4.7K 1/4W M C17 ECA1AM471B 470 10V M C208 ECBT1C222KR5 2 ERDSZTJ38ZT 3.2K 1/4W M C18 ECBT1H20JC5 10P 50V M C208 ECBT1C222KR5 2 ERDSZTJ38ZT 4.7K 1/4W M C214 ECBT1H30JC5 18P 50V M C209 ECBT1C103MS5 0 ERDSZTJ32ZT 4.7K 1/4W M C228 ECBT1H104ZF5 0.1 50V M C235 ECBT1H105KB5 1 ERDSZTJ32ZT 2.2K 1/4W M R354 ERDSZTJ181T 180 1/4W M C24 ECBT1H102KB5 1000P 50V M C241 ECBT1H471KB5 4 ERDSZTJ33ZT 3.9K 1/4W M R356 ERDSZTJ181T 180 1/4W M C27 ECBT1H102KB5 1000P 50V M C242 ECQV1H104JZ3 0 ERDSZTJ33ZT 3.9K 1/4W M R356 ERDSZTJ181T 180 1/4W M C27 ECBT1H102KB5 1000P 50V M C242 ECQV1H104JZ3 0 ERDSZTJ33ZT 3.9K 1/4W M R358 ERDSZTJ1683T 68K 1/4W M C31 ECBT1H3R3KC5 3.3P 50V M C242 ECQV1H104JZ3 0 ERDSZTJ32ZT 2.2K 1/4W M R358 ERDSZTJ168T 100K 1/4W M C31 ECBT1H3R3KC5 3.3P 50V M C260 ECA1CM100B 1 ECBT1H3R3KC5 3.3P 50V	EF	RDS2TJ104T	100K 1/4W [M]	R325	ERDS2TJ221T	220	1/4W [M]	C9	ECFR1C153KR	0.015		C141		 		[M]
R107 ERDSZTJ103T 10K 1/4W M R333 ERDSZTJ222T 2.2K 1/4W M C12 ECA1HM3R3B 3.3 50V M C202 ECFR1C333KR 0 C14 ECA1CM20B C204 ECA1CM100B C205 ECA1CM100B C205 ECA1CM100B C206 ECA1CM100B C206 ECA1CM100B C206 ECA1CM100B C207 ECA1CM100B C208 ECA1CM100B C208 ECA1CM100B C209 EC	EF	RDS2TJ560T	56 1/4W [M]	R326	ERDS2TJ104T	100K	1/4W [M]	C10	ECFR1C153KR	0.015	16V [M]	C142	ECQV1H104JZ3	0.1	50V	[M]
R108 ERDS2TJ123T 12K 1/4W M R334 ERDS2TJ101T 100 1/4W M C13 ECBT1H473ZF5 0.047 50V M C202 ECFR1C333KR 0 C14 ECA1CM220B 20 16V M C203 ECBT1C222KR5 2 C15 ECA1CM100B 10 16V M C204 ECA1CM100B 1 ERDS2TJ473T 47K 1/4W M R337 ERDS2TJ33T 3.3K 1/4W M C15 ECA1CM100B 10 16V M C205 ECBT1H31KB5 3 ERDS2TJ473T 10K 1/4W M R338 ERDS2TJ33T 12K 1/4W M C16 ECA1CM100B 10 16V M C205 ECBT1H31KB5 3 ERDS2TJ33T 12K 1/4W M C17 ECA1AM471B 470 10V M C208 ECBT1C222KR5 2 ERDS2TJ32T 12K 1/4W M C18 ECBT1H200JC5 10P 50V M C209 ECBT1C103MS5 C18 ERDS2TJ32T ERDS2TJ32T 4.7K 1/4W M C21 ECBT1H180JC5 18P 50V M C210 ECA1AM101B 1 ERDS2TJ32T 4.7K 1/4W M ERDS2TJ32T 4.7K 1/4W M C22 ECBT1C103MS5 0.01 16V M C214 ECBT1H661KB5 5 ERDS2TJ32T 2.2K 1/4W M R354 ERDS2TJ31T 180 1/4W M C24 ECBT1H04ZF5 0.047 50V M C240 ECBT1H71KB5 4 ERDS2TJ31T 180 1/4W M C27 ECBT1H02KB5 100P 50V M C240 ECBT1H71KB5 4 ERDS2TJ31T 180 1/4W M C26 ECBT1H02KB5 100P 50V M C240 ECBT1H71KB5 4 ERDS2TJ31T 180 1/4W M C27 ECBT1H02KB5 100P 50V M C242 ECQV1H104JZ3 0 ERDS2TJ32T 2.2K 1/4W M R356 ERDS2TJ38T 86K 1/4W M C30 ECBT1H82KC5 8.2P 50V M C242 ECQV1H104JZ3 0 ECBT1H04ZB3 2 ERDS2TJ322T 2.2K 1/4W M R357 ERDS2TJ683T 68K 1/4W M C30 ECBT1H873KC5 3.3P 50V M C242 ECQV1H104JZ3 0 ECBT1H04ZB3 2 ERDS2TJ322T 2.2K 1/4W M R358 ERDS2TJ104T 100K 1/4W M C31 ECBT1H873KC5 3.3P 50V M C242 ECQV1H104JZ3 0 ECBT1H04ZB3 2 ECBT1H04ZB3 2 ECBT1H04ZB3 2 ECBT1H04ZB3 2 ECBT1H04ZB3 3 ERDS2TJ322T 2.2K 1/4W M R357 ERDS2TJ683T 68K 1/4W M C30 ECBT1H873KC5 3.3P 50V M C242 ECQV1H104JZ3 0 ECBT1H04ZB3 3 ERDS2TJ322T 2.2K 1/4W M ERDS2TJ304T 3.9K	EF	RDS2TJ271T	270 1/4W [M]	R330	ERDS2TJ222T	2.2K	1/4W [M]	C11	ECA1HMR22B	0.22	50V [M]	C143	ECQV1H104JZ3	0.1	50V	[M]
R108 ERDS2TJ123T 12K 1/4W M R334 ERDS2TJ101T 100 1/4W M C13 ECBT1H473ZF5 0.047 50V M C202 ECFR1C333KR 0 C14 ECA1CM220B 20 16V M C203 ECBT1C222KR5 2 C14 ECA1CM220B 20 16V M C204 ECA1CM100B 1 C204 ECA1CM100B 1 C205 ECBT1H331KB5 C205 ECBT1H321KB5 C205	EF	RDS2TJ103T	10K 1/4W [M]	R333	ERDS2TJ222T	2.2K	1/4W [M]	C12	ECA1HM3R3B	3.3	50V [M]	C160	ECA1CM100B	 		[M]
R111 ERDS2TJ564T 560K 1/4W [M] R335 ERDS2TJ152T 1.5K 1/4W [M] C14 ECA1CM220B 20 16V [M] C203 ECBT1C222KR5 2	EF	RDS2TJ123T	12K 1/4W [M]	R334	ERDS2TJ101T	100	1/4W [M]	C13	ECBT1H473ZF5	0.047		C202	ECFR1C333KR	0.033		[M]
R112 ERDS2TJ472T 4.7K 1/4W M R336 ERDS2TJ471T 470 1/4W M C15 ECA1CM100B 10 16V M C204 ECA1CM100B 1 1 1 1 1 1 1 1 1	EF	RDS2TJ564T	560K 1/4W [M]	R335	ERDS2TJ152T	1.5K	1/4W [M]	C14	ECA1CM220B			C203	ECBT1C222KR5	2200P		[M]
R113 ERDS2TJ473T 47K 1/4W [M] R337 ERDS2TJ332T 3.3K 1/4W [M] C16 ECA1CM100B 10 16V [M] C205 ECBT1H331KB5 3 R116 ERDS2TJ103T 10K 1/4W [M] R338 ERDS2TJ123T 12K 1/4W [M] C17 ECA1AM471B 470 10V [M] C208 ECBT1C222KR5 2 R131 ERDS2TJ562T 5.6K 1/4W [M] R342 ERDS2TJ472T 4.7K 1/4W [M] C18 ECBT1H200JC5 10P 50V [M] C209 ECBT1C103MS5 0 R142 ERDS2TJ822T 8.2K 1/4W [M] R343 ERDS2TJ471T 470 1/4W [M] C21 ECBT1H80JC5 18P 50V [M] C210 ECA1AM101B 1 R144 ERD2FCVJ4R7T 4.7 1/4W [M] R347 ERDS2TJ103T 10K 1/4W [M] C22 ECBT1C103MS5 0.01 16V [M] C214 ECBT1H561KB5 5 R146 ERD2FCVJ4R7T 4.7 1/4W [M] R353 ERDS2TJ680T 68 1/4W [M] C23 ECBT1H104ZF5 0.1 50V [M] C235 ECBT1H102KB5 1 R152 ERDS2TJ222T 2.2K 1/4W [M] R354 ERDS2TJ181T 180 1/4W [M] C24 ECBT1H473ZF5 0.047 50V [M] C240 ECBT1H471KB5 4 R160 ERDS2TJ103T 10K 1/4W [M] R355 ERDS2TJ473T 47K 1/4W [M] C26 ECBT1C103MS5 0.01 16V [M] C241 ECA1HM2R2B 2 R161 ERDS2TJ392T 3.9K 1/4W [M] R356 ERDS2TJ181T 180 1/4W [M] C27 ECBT1H102KB5 1000P50V [M] C242 ECQV1H104JZ3 0 R202 ERDS2TJ222T 2.2K 1/4W [M] R358 ERDS2TJ104T 100K 1/4W [M] C31 ECBT1H8R2KC5 8.2P 50V [M] C260 ECA1CM100B 1	EF	RDS2TJ472T	4.7K 1/4W [M]	R336	ERDS2TJ471T			C15	ECA1CM100B			11				[M]
R116 ERDS2TJ103T 10K 1/4W [M] R338 ERDS2TJ123T 12K 1/4W [M] C17 ECA1AM471B 470 10V [M] C208 ECBT1C222KR5 2 R131 ERDS2TJ562T 5.6K 1/4W [M] R342 ERDS2TJ472T 4.7K 1/4W [M] C18 ECBT1H200JC5 10P 50V [M] C209 ECBT1C103MS5 0 R142 ERDS2TJ822T 8.2K 1/4W [M] R343 ERDS2TJ471T 470 1/4W [M] C21 ECBT1H180JC5 18P 50V [M] C210 ECA1AM101B 1 R144 ERD2FCVJ4R7T 4.7 1/4W [M] R347 ERDS2TJ103T 10K 1/4W [M] C22 ECBT1C103MS5 0.01 16V [M] C214 ECBT1H561KB5 5 R152 ERDS2TJ222T 2.2K 1/4W [M] R353 ERDS2TJ680T 68 1/4W [M] C23 ECBT1H104ZF5 0.1 50V [M] C235 ECBT1H102KB5 1 R160 ERDS2TJ103T 10K 1/4W [M] R354 ERDS2TJ181T 180 1/4W [M] C26 ECBT1C103MS5 0.01 16V [M] C240 ECBT1H471KB5 4 R160 ERDS2TJ103T 10K 1/4W [M] R355 ERDS2TJ473T 47K 1/4W [M] C26 ECBT1C103MS5 0.01 16V [M] C241 ECA1AM2R2B 2 R201 ERDS2TJ392T 3.9K 1/4W [M] R356 ERDS2TJ181T 180 1/4W [M] C30 ECBT1H3R3KC5 8.2P 50V [M] C243 ECQV1H104JZ3 0 R202 ERDS2TJ222T 2.2K 1/4W [M] R358 ERDS2TJ104T 100K 1/4W [M] C31 ECBT1H3R3KC5 3.3P 50V [M] C260 ECA1CM100B 1	EF	RDS2TJ473T	47K 1/4W [M]	R337	ERDS2TJ332T			C16	ECA1CM100B	10		H		330P		[M]
R131 ERDS2TJ562T 5.6K 1/4W M R342 ERDS2TJ472T 4.7K 1/4W M C18 ECBT1H20JC5 10P 50V M C209 ECBT1C103MS5 0 C210 ECA1AM101B 1 C211 ECBT1H30JC5 18P 50V M C210 ECA1AM101B 1 C211 ECBT1H30JC5 C211 ECBT1H30JC5 C212 ECBT1H30JC5 C213 ECBT1H30JC5 C214 ECBT1H561KB5 C214 ECBT1H561KB5 C215 ECBT1H561KB5	EF	RDS2TJ103T	10K 1/4W [M]	R338	ERDS2TJ123T			C17	***************************************	470		╂		2200P		[M]
R142 ERDS2TJ822T 8.2K 1/4W M R343 ERDS2TJ471T 470 1/4W M C21 ECBT1H180JC5 18P 50V M C210 ECA1AM101B 1 R144 ERDS2TJ4R7T 4.7 1/4W M R347 ERDS2TJ103T 10K 1/4W M C22 ECBT1C103NS5 0.01 16V M C214 ECBT1H561KB5 5 C23 ECBT1H104ZF5 0.1 50V M C235 ECBT1H102KB5 1 C24 ECBT1H473ZF5 0.047 50V M C235 ECBT1H102KB5 1 C240 ECBT1H471KB5 4 C240 ECBT1H471KB5 4 C240 ECBT1H471KB5 4 C240 ECBT1H471KB5	EF	RDS2TJ562T	5.6K 1/4W [M]	R342	ERDS2TJ472T			C18				 		0.01		
R144 ERD2FCVJ4R7T 4.7 1/4W [M] R347 ERDS2TJ103T 10K 1/4W [M] C22 ECBT1C103NS5 0.01 16V [M] C214 ECBT1H561KB5 5 5 5 6 6 6 6 6 6	EF	RDS2TJ822T	8.2K 1/4W [M]	R343	ERDS2TJ471T			C21						_	10V	
R146 ERD2FCVJ4R7T 4.7 1/4W [M] R353 ERDS2TJ680T 68 1/4W [M] C23 ECBT1H104ZF5 0.1 50V [M] C235 ECBT1H102KB5 1 R152 ERDS2TJ22ZT 2.2K 1/4W [M] R354 ERDS2TJ181T 180 1/4W [M] C24 ECBT1H473ZF5 0.047 50V [M] C240 ECBT1H471KB5 4 R160 ERDS2TJ103T 10K 1/4W [M] R355 ERDS2TJ473T 47K 1/4W [M] C26 ECBT1C103NS5 0.01 16V [M] C241 ECA1HM2R2B 2 R161 ERDS2TJ181T 180 1/4W [M] R356 ERDS2TJ181T 180 1/4W [M] C27 ECBT1H102KB5 1000P 50V [M] C242 ECQV1H104JZ3 0 R201 ERDS2TJ392T 3.9K 1/4W [M] R357 ERDS2TJ683T 68K 1/4W [M] C30 ECBT1H3R3KC5 8.2P 50V [M] C243 ECQV1H104JZ3 0 R202 ERDS2TJ22ZT 2.2K 1/4W [M] R358 ERDS2TJ104T 100K 1/4W [M] C31 ECBT1H3R3KC5 3.3P 50V [M] C260 ECA1CM100B 1	EF											1		560P		
R152 ERDS2TJ222T 2.2K 1/4W [M] R354 ERDS2TJ181T 180 1/4W [M] C24 ECBT1H473ZF5 0.047 50V [M] C240 ECBT1H471KB5 4 R160 ERDS2TJ103T 10K 1/4W [M] R355 ERDS2TJ473T 47K 1/4W [M] C26 ECBT1C103NS5 0.01 16V [M] C241 ECA1HM2R2B 2 R161 ERDS2TJ181T 180 1/4W [M] R356 ERDS2TJ181T 180 1/4W [M] C27 ECBT1H102KB5 1000P 50V [M] C242 ECQV1H104JZ3 0 R201 ERDS2TJ392T 3.9K 1/4W [M] R357 ERDS2TJ683T 68K 1/4W [M] C30 ECBT1H8R2KC5 8.2P 50V [M] C243 ECQV1H104JZ3 0 R202 ERDS2TJ222T 2.2K 1/4W [M] R358 ERDS2TJ104T 100K 1/4W [M] C31 ECBT1H3R3KC5 3.3P 50V [M] C260 ECA1CM100B 1	EF	RD2FCVJ4R7T		-						-		1	***************************************	1000P		
R160 ERDS2TJ103T	EF	RDS2TJ222T										11-	 	470P		
R161 ERDS2TJ181T 180 1/4W [M] R356 ERDS2TJ181T 180 1/4W [M] C27 ECBT1H102KB5 1000P 50V [M] C242 ECQV1H104JZ3 0 R201 ERDS2TJ392T 3.9K 1/4W [M] R357 ERDS2TJ683T 68K 1/4W [M] C30 ECBT1H8R2KC5 8.2P 50V [M] C243 ECQV1H104JZ3 0 R202 ERDS2TJ222T 2.2K 1/4W [M] R358 ERDS2TJ104T 100K 1/4W [M] C31 ECBT1H3R3KC5 3.3P 50V [M] C260 ECA1CM100B 1	EF	RDS2TJ103T		h								1				
R201 ERDS2TJ392T 3.9K 1/4W [M] R357 ERDS2TJ683T 68K 1/4W [M] C30 ECBT1H8R2KC5 8.2P 50V [M] C243 ECQV1H104JZ3 0 R202 ERDS2TJ222T 2.2K 1/4W [M] R358 ERDS2TJ104T 100K 1/4W [M] C31 ECBT1H3R3KC5 3.3P 50V [M] C260 ECA1CM100B 1	+			 								h				[M]
R202 ERDS2TJ222T 2.2K 1/4W [M] R358 ERDS2TJ104T 100K 1/4W [M] C31 ECBT1H3R3KC5 3.3P 50V [M] C260 ECA1CM100B 1	+											1		†	50V	-
Service Control of the Control of th	+											1				
1	+	RDS2TJ102T	1K 1/4W [M]	R359	ERDS2TJ183T			C33	ECFR1C223MR			C311	ECA1CM330B	 	16V	
POOL SPECIAL CONTROL C												 		1	16V	[M]
POOR TOPOGLICOT TO AMEND TO THE POOR TO TH	_											1		<u> </u>	10V 50V	[M] [M]

Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Value	s & Re	emarks	Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks
C321	ECBT1H102KB5	1000P 50V [M]	C355	ECEA1CKA101B	100	16V	[M]	C611	ECBT1C472KR5	4700P 16V [M]		7181	
C322	ECFR1C223MR	0.022 16V [M]GU	C357	ECEA1HKA0R1B	0.1	50V	[M]	C701	ECEA1HKA0R1B	0.1 50V [M]			
C323	ECA1AM101B	100 10V [M]	C358	ECEA1HKA4R7B	4.7	50V	[M]	C702	ECEA1HKA0R1B	0.1 50V [M]			
C324	ECQP2A152JZT	1500P 100V [M]	C359	ECBT1C332MR5	3300F	16V	[M]	C703	ECBT1H561KB5	560P 50V [M]			
C325	ECQP2A121GZT	120P 100V [M]	C371	ECA1EM332EV	3300	25V	[M]	C801	ECEA1HKA0R1B	0.1 50V [M]			
C327	ECBT1C103MS5	0.01 16V [M]	C372	ECA1CM470B	47	16V	[M]	C802	ECEA1HKA0R1B	0.1 50V [M]			
C330	ECFR1C333KR	0.033 16V [M]	C373	ECBT1C103MS5	0.01	16V	[M]	C803	ECBT1H561KB5	560P 50V [M]			
C332	ECA1CM330B	33 16V [M]	C383	ECA1CM100B	10	16V	[M]	C901	ECKR1H103ZF5	0.01 50V [M]			
C333	ECA1HMR47B	0.47 50V [M]	C384	ECA1CM101B	100	16V	[M]	C902	ECKR1H103ZF5	0.01 50V [M]		TO W. C	
C334	ECA1AM101B	100 10V [M]	C602	ECBT1C103MS5	0.01	16V	[M]	C903	ECKR1H103ZF5	0.01 50V [M]			
C341	ECA1CM101B	100 16V [M]	C606	ECBT1H104ZF5	0.1	50V	[M]	C904	ECKR1H103ZF5	0.01 50V [M]			
C343	ECA1CM470B	47 16V [M]	C607	ECBT1C682KR5	6800F	216V	[M]						
C344	ECA1HMR47B	0.47 50V [M]	C608	ECBT1H473ZF5	0.047	50V	[M]						
C352	ECEA1CKA101B	100 16V [M]	C609	ECBT1C682KR5	6800F	716V	[M]						
C354	ECEA1AKA220B	22 10V [M]	C610	ECBT1C682KR5	6800F	16V	[M]						

■ Packaging (Refer to page 20 for the Parts List.)



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