

Service Manual

AUTOMOTIVE CONSUMER ELECTRONICS

CQ-RD555/575/595LEN

Removable Face High-Power Logic-Cont. Cassette / RDS Receiver
with Voice Recording & CD Changer Control

RDS High Power Autoradio mit logic Cassettendeck,
abnehmbarem Bedienteil, CD-Wechslersteuerung und Sprachaufzeichnung



< CQ-RD595LEN >

Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
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Panasonic

■ FEATURES

- 20-Stations Preset (15-FM, 5-AM).
- Radio Data System (PS, PI, AF, TP, TA, EON, PTY, CT).
- Voice Recording System. < **CQ-RD575/595LEN** >
- CD Changer Control.
- Electronic Control of Volume, Bass, Treble, Balance and Fader.
- Warning Alarm System.
- Detachable Face Plate Security.

■ MERKMALE

- 20 Festsender (15 für UKW, 5 für MW/LW).
- Radiodatensystem (PS, PI, AF, TP, TA, EON, PTY, CT).
- Sprachaufnahmesystem. < **CQ-RD575/595LEN** >
- CD-Wechsler-Steuerung.
- Elektronische Regelung der Lautstärke, Bässe, Höhen, Balance und Überblendung.
- Warnalarmsystem.
- Sicherung für die abnehmbare Stirnplatte.

⚠ WARNING

This service information is designed for experienced 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.

Specifications*

General

Power Supply	: DC 12V (11V - 16V), Test Voltage 14.4V Negative Ground
Tone Controls	: Bass; ± 12 dB at 100Hz Treble; ± 12 dB at 10kHz
Current Consumption	: Less than 2.5A (Tape mode, 0.5W 4-Speaker)
Maximum Power Output	: 30W \times 4 (at 4 Ω) < CQ-RD575/595LEN > : 22W \times 4 (at 4 Ω) < CQ-RD555LEN >
Power Output	: 15W \times 4 (DIN45 324 at 4 Ω) < CQ-RD575/595LEN > : 11W \times 4 (DIN45 324 at 4 Ω) < CQ-RD555LEN >
Speaker Impedance	: 4 - 8 Ω

FM Stereo Radio

Frequency Range	: 87.5 - 108MHz
Usable Sensitivity	: 6dB/ μ V (S/N 30dB)
Stereo Separation	: 35 dB (at 1kHz)

MW Radio

Frequency Range	: 531 - 1,602kHz
Usable Sensitivity	: 26dB/ μ V (S/N 20dB)

LW Radio

Frequency Range	: 153 - 279kHz
Usable Sensitivity	: 32dB/ μ V (S/N 20dB)

Cassette Player

Reproduction System	: 4-track, 2-program stereo
Tape Speed	: 4.76cm/sec.
FF/Rewind Time	: Less than 110sec. (C-60)
Frequency Response	: 30 - 17,000Hz (Normal) 30 - 18,000Hz (Metal)
Wow and Flutter	: 0.12% (WRMS)
Signal to Noise Ratio	: < CQ-RD575/595LEN > 52dB Dolby B NR on ; 62dB Dolby C NR on ; 72dB
	: < CQ-RD555LEN > 52dB Dolby B NR on ; 62dB

Dimensions**

Main unit	: 178(W) \times 50(H) \times 150(D) mm
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Weight**

Main unit	: 1.5kg
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* Specifications and the design are subject to possible modification without notice due to improvements.

** Dimensions and Weight shown are approximate.

Technische Daten*

Allgemeines

Spannungsversorgung	: 12V (11V - 16V) Gleichspannung, Testspannung 14.4V, negative Erdung
Klangregelung	: Bässe; ± 12 dB bei 100Hz Höhen; ± 12 dB bei 10kHz
Leistungsaufnahme	: Weniger als 2.5A (Cassettenwiedergabe, 0.5W, 4 Lautsprecher)
Höchstausgangsleistung	: 30W \times 4 (bei 4 Ω) < CQ-RD575/595LEN > : 22W \times 4 (bei 4 Ω) < CQ-RD555LEN >
Ausgang	: 15W \times 4 (DIN45 324 bei 4 Ω) < CQ-RD575/595LEN > : 11W \times 4 (DIN45 324 bei 4 Ω) < CQ-RD555LEN >
Lautsprecherimpedanz	: 4 - 8 Ω

UKW-Stereo-Tunerteil

Frequenzbereich	: 87.5 - 108MHz
Anwendbare Empfindlichkeit	: 6dB/ μ V (Signal /Rauschabstand 30dB)
Stereoabscheidung	: 35 dB (bei 1kHz)

MW-Tunerteil

Frequenzbereich	: 531 - 1,602kHz
Anwendbare Empfindlichkeit	: 26dB/ μ V (Signal /Rauschabstand 20dB)

LW-Tunerteil

Frequenzbereich	: 153 - 279kHz
Anwendbare Empfindlichkeit	: 32dB/ μ V (Signal /Rauschabstand 20dB)

Cassettenspieler

Wiedergabe-System	: 4 Spuren, 2-Kanal-Stereo
Bandgeschwindigkeit	: 4.76cm/sec.
Schnellvorlauf- /Rücklaufzeit	: Weniger als 110 sek. (C-60)
Frequenzgang	: 30 - 17,000Hz (Normale Bänder) 30 - 18,000Hz (Reineisenband)
Gleichlaufschwankungen	: 0.12% (WRMS)
Signal /Rauschabstand	: < CQ-RD575/595LEN > 52dB Dolby B NR on ; 62dB Dolby C NR on ; 72dB
	: < CQ-RD555LEN > 52dB Dolby B NR on ; 62dB

Abmessungen**

Haupteinheit	: 178(B) \times 50(H) \times 150(T) mm
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Gewicht**

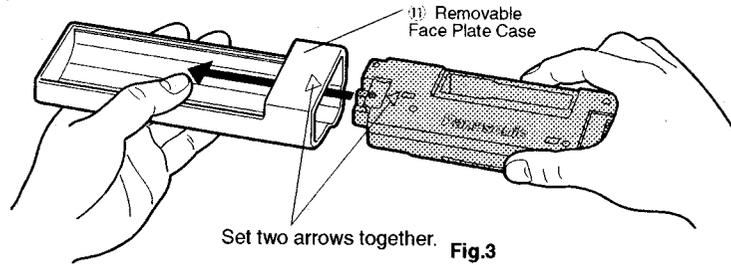
Haupteinheit	: 1.5kg
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* Technische Daten und Ausführung können sich ändern ohne besondere Ankündigung bei gebührenden Verbesserungen.

** Abmessungen und Gewicht in angenäherten Werten angegeben.

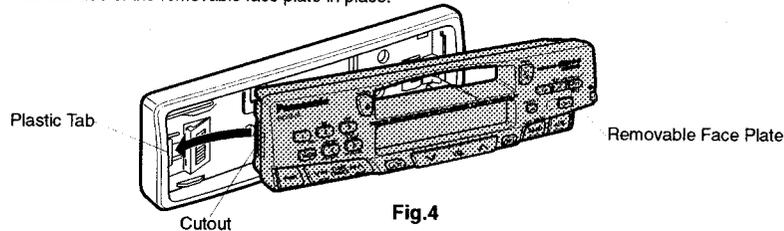
Anti-Theft System continued

4) As shown in Fig.3, insert the removable face plate with the arrow pointing toward the removable face plate case until you hear a "click". Keep the removable face plate in the case. Then, you can bring the plate safely.

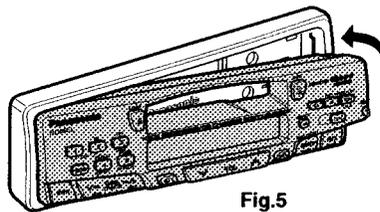


To install the Removable Face Plate

1) Slide the left side of the removable face plate in place.



2) Press the right end of removable face plate until "click" is heard.



Caution:

1. Before removing the removable face plate, make sure the power is off.
2. This removable face plate is not water-proof. Do not expose it to water or excessive moisture.
3. Do not remove the removable face plate, while driving your car.
4. Do not place the removable face plate on the dashboard or nearby areas where the temperature rises to high levels.
5. Do not touch the contacts on the removable face plate or on the main unit, since this may result in poor electrical contacts.
6. If dirt or other foreign substances get on the contacts, wipe them with a clean, dry cloth.

Installation

Preparation

- Before installation check the radio operation with antenna and speakers.
- Disconnect the cable from the negative (-) battery terminal (see caution below).

Caution:

For installation to cars with trip or navigational computers, all electronic memory settings previously registered in the computer will be lost when the battery terminal is disconnected. For this type of car, battery could not be disconnected. Therefore, extra care should be taken to prevent short circuiting.

In-dash Installation

Installation Opening

In-dash installation can be done if the car's dashboard has an opening for this unit as shown in Fig. 1. The car's dashboard should have a thickness of 4.5mm - 6mm in order to make the installation of the unit.

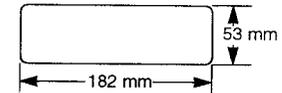


Fig. 1

Installation Precautions

1. This system is to be used only in a 12-volt, DC battery system (car) with negative ground.
2. Follow the electrical connection on page 41 carefully. Failure to do so may result in damage to the unit.
3. Connect the power lead after other connections are made.
4. Be sure to connect the YELLOW lead to the positive terminal (+) of the battery or fuse block (BAT) terminal.
5. Insulate all exposed wires to prevent short circuiting.
6. Secure all loose wires after installing the unit.
7. Please carefully read the operating and installation instructions of the respective equipment before connecting it to this unit.

Supplied Hardwares

No.	Item	Diagram	Q'ty
①	Mounting Collar		1
②	Plain Washer (5 mmφ)		2
③	Spring Washer (5 mmφ)		2
④	Hex. Nut (5 mmφ)		2
⑤	Rear Support Strap		1
⑥	Hex. Bolt (5 mmφ x 25 mm)		1

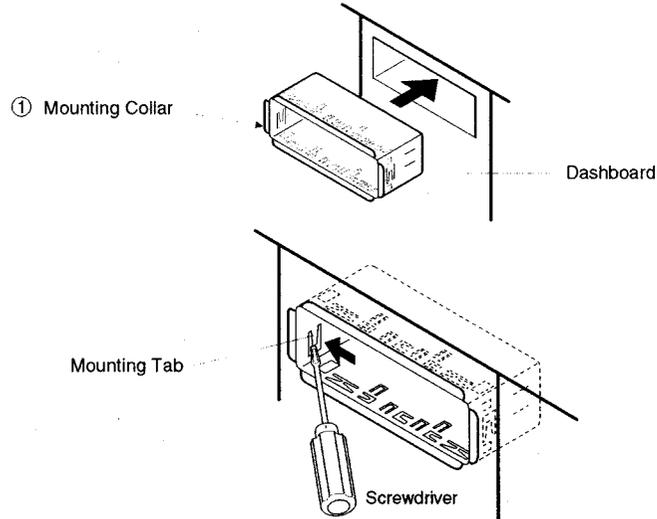
No.	Item	Diagram	Q'ty
⑦	Toothed Lock Washer (5 mmφ)		1
⑧	Mounting Bolt (5 mmφ)		1
⑩	Power Connector		1
⑪	Removable Face Plate Case		1

Installation continued

Installation Procedures

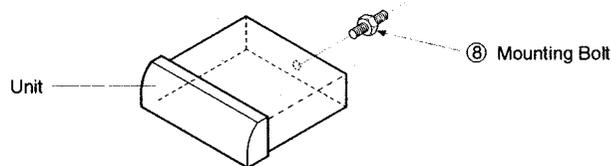
1. Secure the Mounting Collar (1).

Insert Mounting Collar (1) into the car's dashboard, and bend mounting tabs out with a screwdriver.

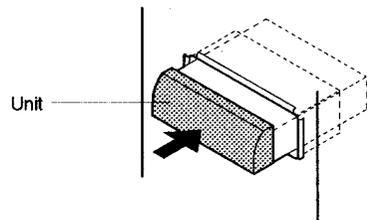


2. Secure the rear of the unit.

- a) Check the electrical connection by referring to this operating instructions.
- b) Connect the Mounting Bolt (8), using a suitable wrench.



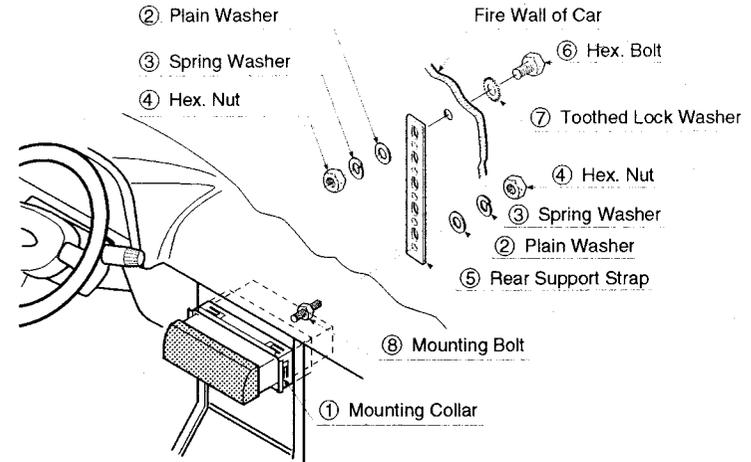
- c) Insert the unit into Mounting Collar (1) and push it in until "click" is heard.



- d) Secure the rear of the unit to the car by either of the two recommended methods.

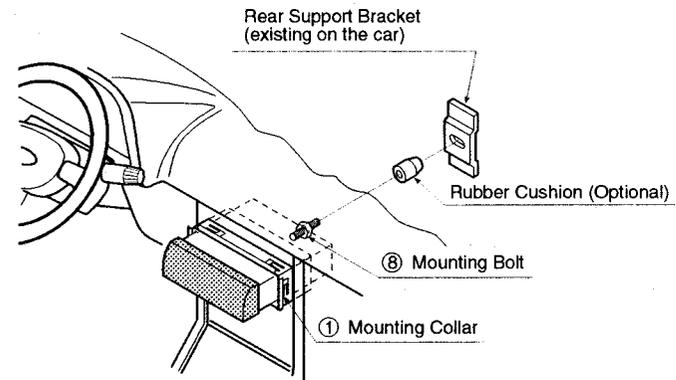
■ Using the Rear Support Strap (5)

Affix one end of the Rear Support Strap (5) to the rear of the unit, and the other end to the Fire Wall of Car, or some other metallic area.



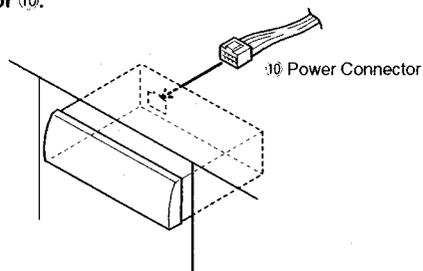
■ Using the Rubber Cushion (Optional)

(If there is an existing Rear Support Bracket on the Fire Wall of Car.)
Cover Mounting Bolt (8) on the rear of the unit with Rubber Cushion (Optional), and mount it into the existing Rear Support Bracket.



Installation continued

3. Plug the Power Connector (10).

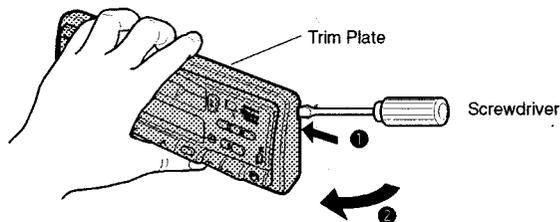


4. After installation reconnect the negative (-) battery terminal.

To Remove the Unit

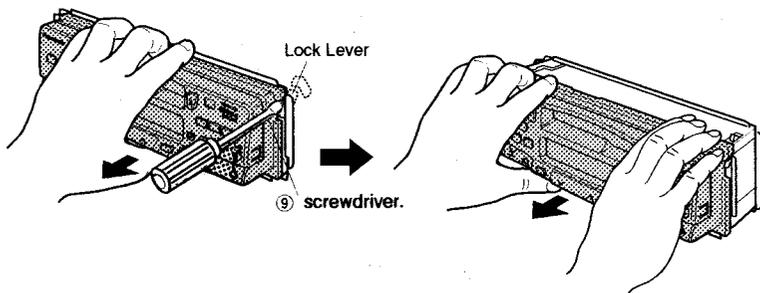
When removing or installing the unit, make sure that it is in the ALARM OFF mode. (See page 18.)

a) Remove the trim plate with a screwdriver as shown in the figure.



b) Pull out the unit while pushing the lock lever using screwdriver.

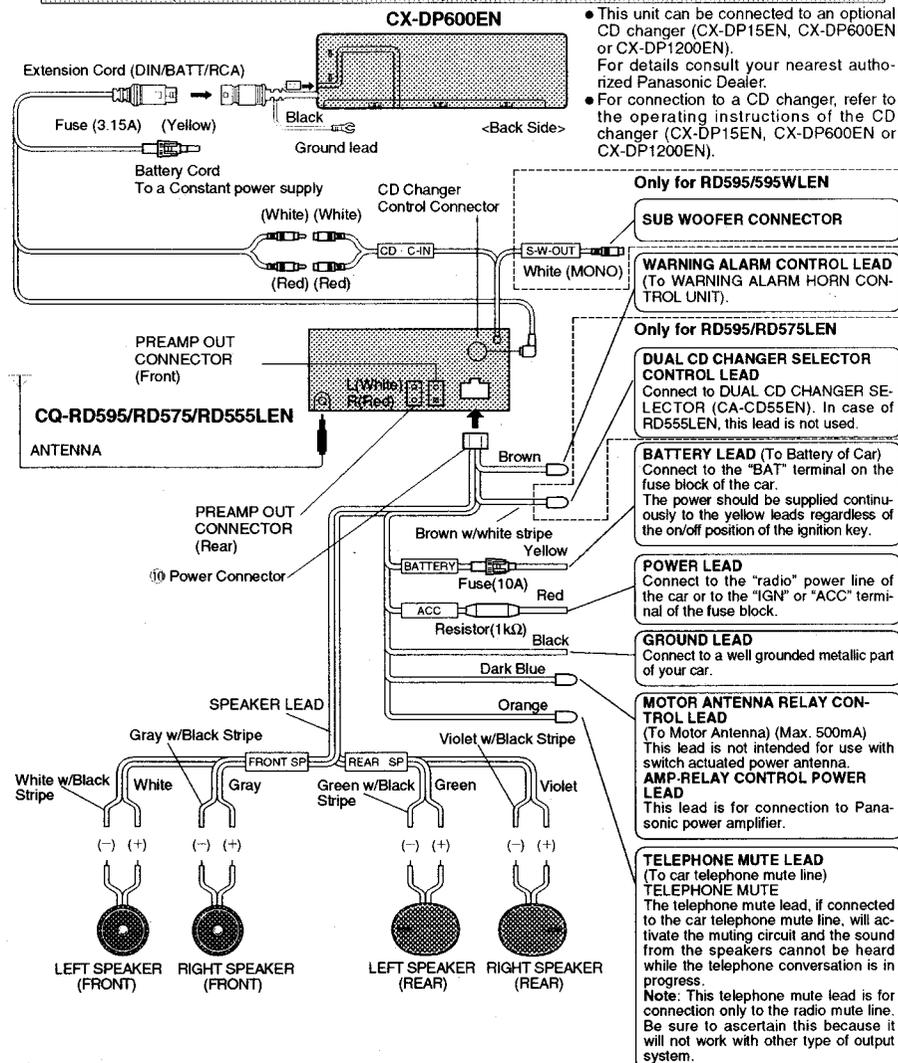
c) Remove the unit pulling with both hands.



Electrical Connection

Caution:

- To prevent damage to the unit, be sure to follow the connection diagram below.
- Remove the covering of the leads about 5 mm long from their end before connecting.
- Be sure to connect the ground lead (black) to the car chassis first before connecting the other leads to the specified wires of the car.
- Be sure to insulate any exposed wires from a possible short-circuit from the car chassis. Bundle all cables and keep cable terminals free from touching any metal parts.



Electrical Connection continued

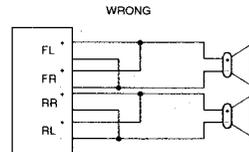
□ Connect All Leads

Now that you have identified all the wires in the vehicle, you're ready to begin connecting them to the stereo unit wires. The connection diagram on this page shows the proper connections and color coding of the leads.

We strongly recommend that you test the unit before making a final installation.

You can set the unit on the floor and make temporary connections to test the unit. Use electrical tape to cover all exposed wires.

IMPORTANT : Connect the red power lead last, after you have made and insulated all other connections.

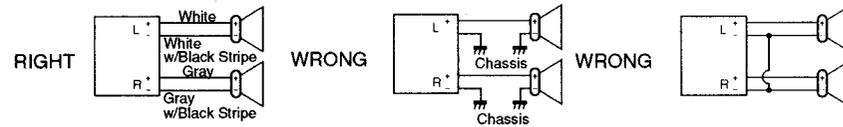


Speaker Connections

CAUTION:

1. Use ungrounded speakers only.
2. The speakers to be used with this unit should be able to handle more than 30W (CQ-RD595/RD575LEN), 22W (CQ-RD555LEN) of audio power. If an optional amplifier is used, the speakers should be able to handle the maximum output power of the amplifier. Use of speakers with small input ratings can cause damage to the speakers.
3. The speaker impedance should be 4 - 8 ohms. If the impedance is too large or too small, it affects the output and may cause damage to the speakers or this unit.
4. Do not use 3-wire type speaker system having a common earth lead. Never connect the speaker cord to the body of the car. This unit uses the BTCL circuit, so each speaker should be connected separately using parallel vinyl insulated cords.
5. The speaker cords and the power amplifier unit should be kept away (about 30cm apart) from the antenna and antenna extension cord.
6. Follow the connection diagram below carefully. Failure to do so may cause damage to both unit and speakers.

- Unit will be damaged if speakers (Front, Rear) are not connected properly.



- Do not connect more than one speaker to one set of speaker leads.

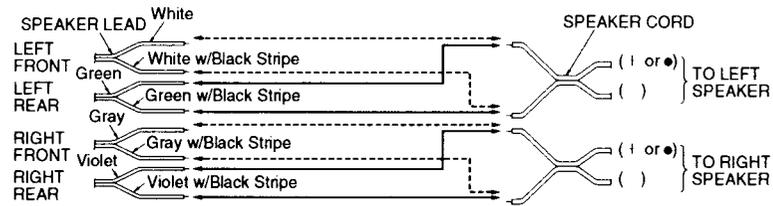


Speaker Connections continued

2-SPEAKER SYSTEM

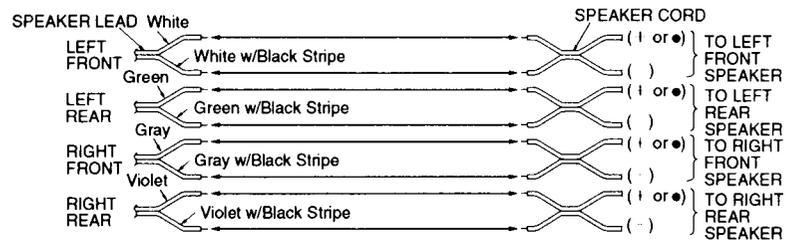
Use only front or rear speaker leads. Do not connect both (Front and Rear) together.

- When the front speakers are used, connect leads as illustrated in dotted lines (-----) below.
- When the rear speakers are used, connect leads as illustrated in actual lines (——) below.

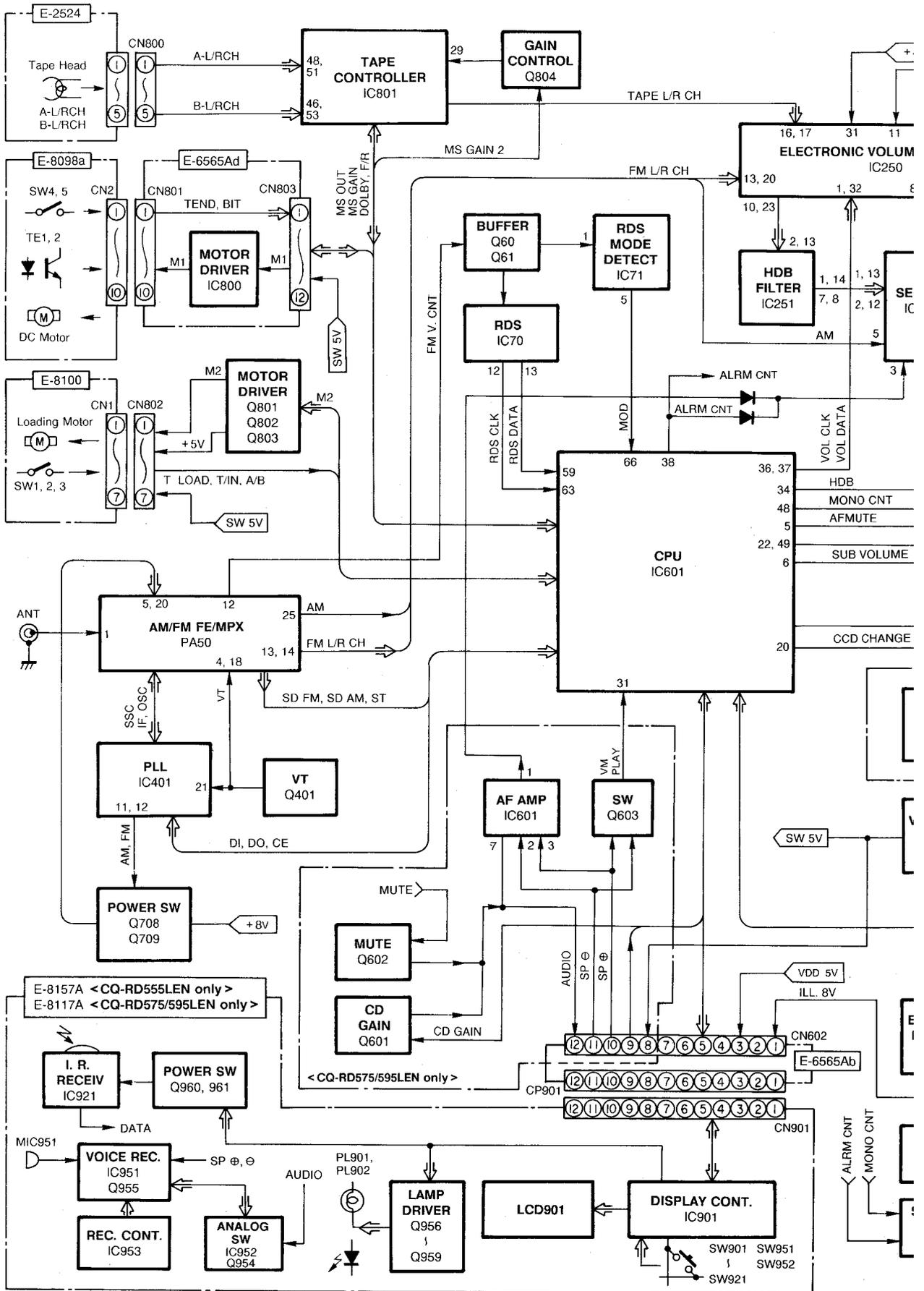


※To prevent unused speaker leads from any short-circuiting, protect them with insulating caps.

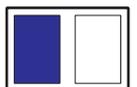
4-SPEAKER SYSTEM

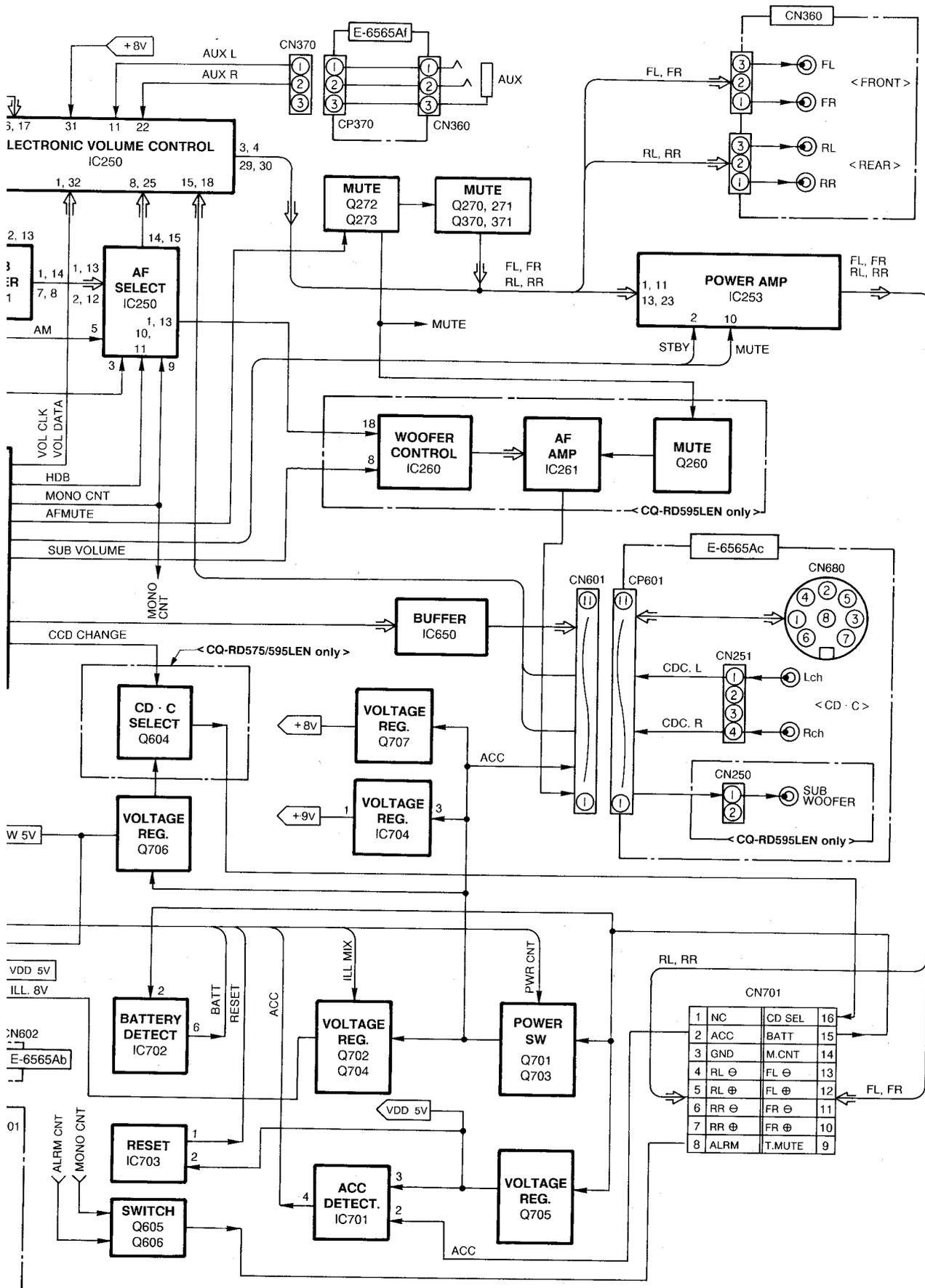


BLOCK DIAGRAM MODELS CQ-RD555/575/595LEN

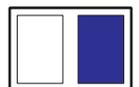


Removable Face High-Power Logic-Cont. C



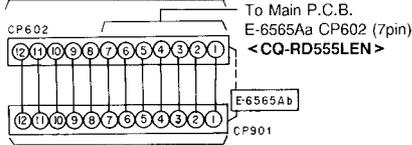


c-Cont. Cassette / RDS Receiver with Voice Recording & CD Changer Control

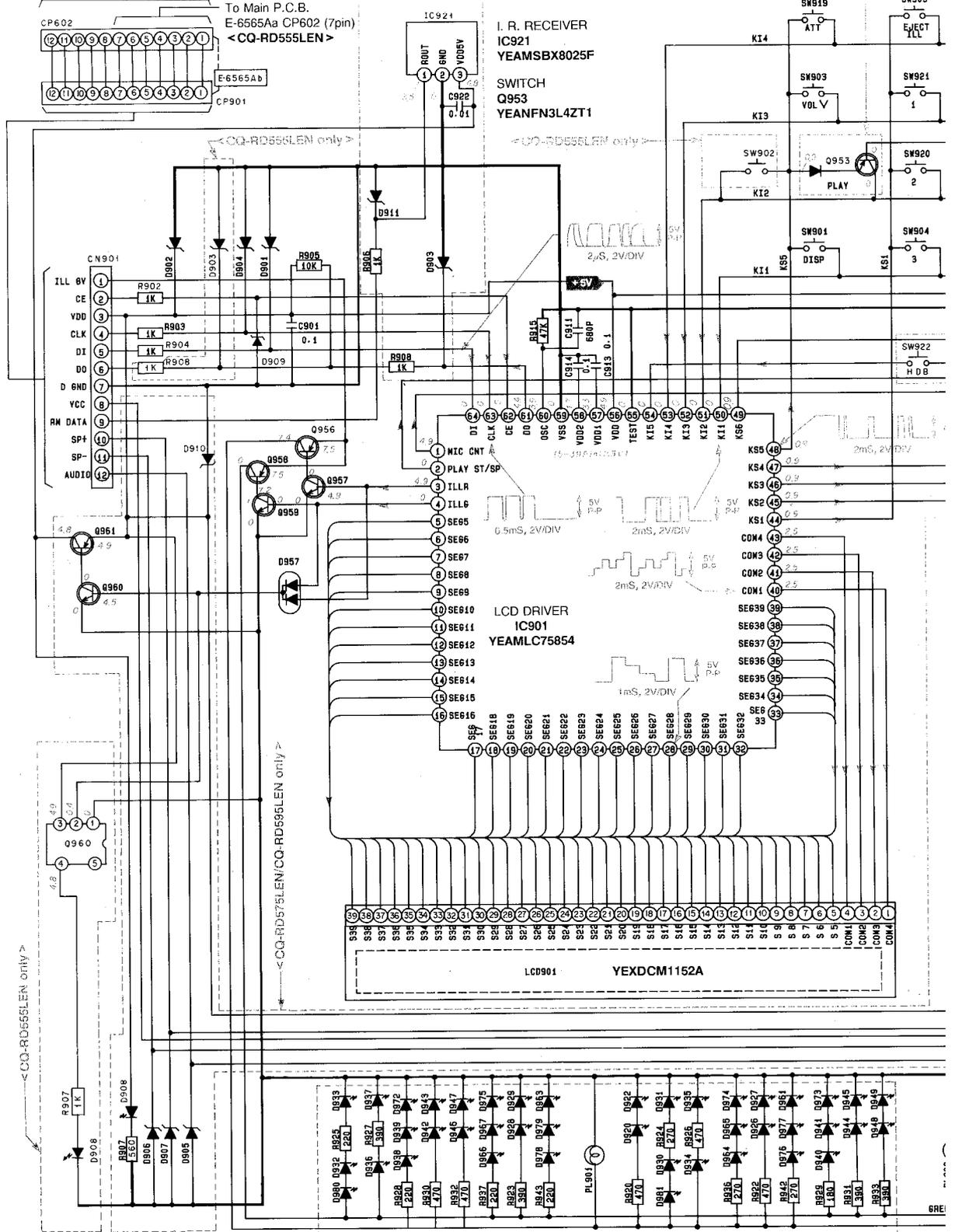


SCHEMATIC DIAGRAM / SCHALTBIKT (Display Block) MODELS CQ-RD555/575/595LEN

To Main P.C.B. E-6565Aa CP602 (12pin)
 <CQ-RD575LEN/CQ-RD595LEN>



To Main P.C.B. E-6565Aa CP602 (7pin)
 <CQ-RD555LEN>

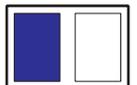


BUFFER/SWITCH
 Q956, 958 YEANFP1F3PT1
 Q957, 959, 961 YEANC144EUKT
 Q960
 YEANFMC5KTX : <CQ-RD555LEN>
 YEANC144EUKT : <CQ-RD575/595LEN>

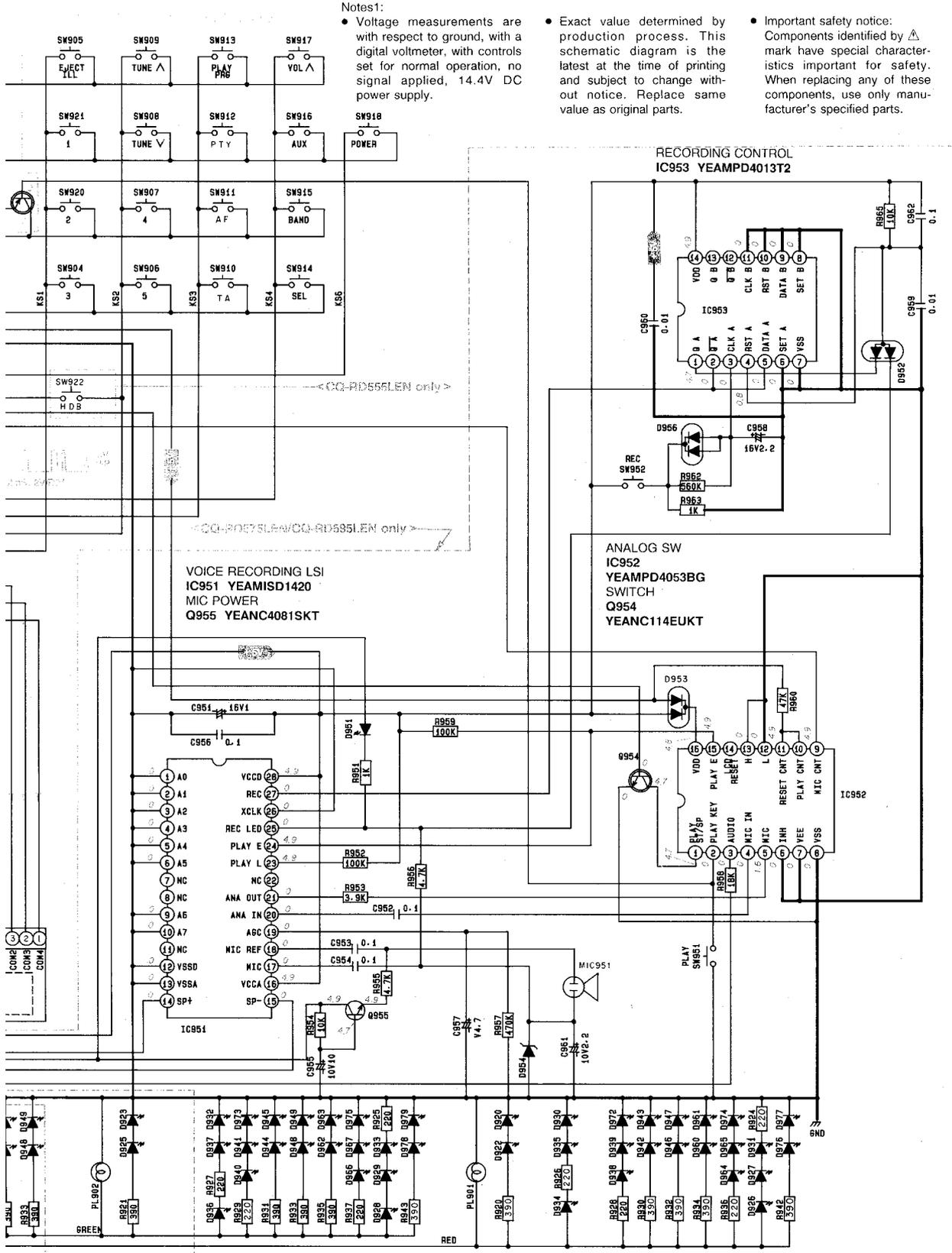
<CQ-RD555LEN only>
 D901 to 904, 909 to 911
 MA8056LMHTX
 D908 LN1271RAL

D920, 922, 926, 927, 930, 931, 934, 935, 938, 939,
 D942, 943, 946, 947, 960, 961, 964, 965, 972, 974,
 D977, 981
 LN1871R

Removable Face High-Power Logic-Cont.



D555/575/595LEN

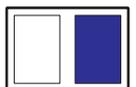


- Notes1:
- Voltage measurements are with respect to ground, with a digital voltmeter, with controls set for normal operation, no signal applied, 14.4V DC power supply.
 - Exact value determined by production process. This schematic diagram is the latest at the time of printing and subject to change without notice. Replace same value as original parts.
 - Important safety notice: Components identified by Δ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

D935, 938, 939,
D965, 972, 974, 976,

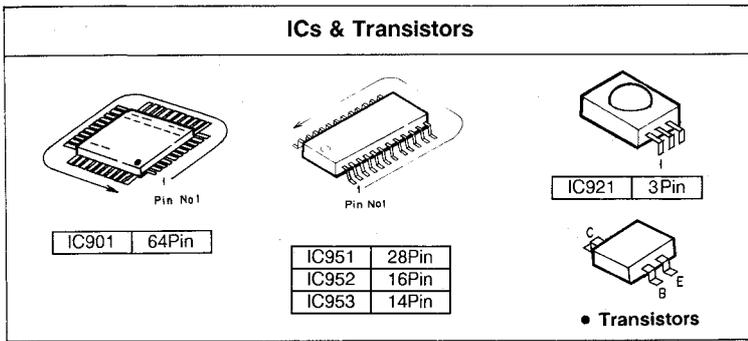
D923, 925, 928, 929, 932, 933, 936, 937, 940, 941,
D944, 945, 948, 949, 962, 963, 966, 967, 973, 975, 978,
D979, 980
LN1371G63U

D951 YEADBR2434D
D952, 953, 956, 957 YEADAP202UKT
D954 MA8056LMHTX



VOLTAGE IN THE CHECKPOINTS, TERMINALS OF IC'S AND TRANSISTORS OF DISPLAY UNIT \ НАПРЯЖЕНИЕ В КОНТРОЛЬНЫХ ТОЧКАХ, ЦОКОЛЕВКА МИКРОСХЕМ И ТРАНЗИСТОРОВ ПЛАТЫ ДИСПЛЕЯ

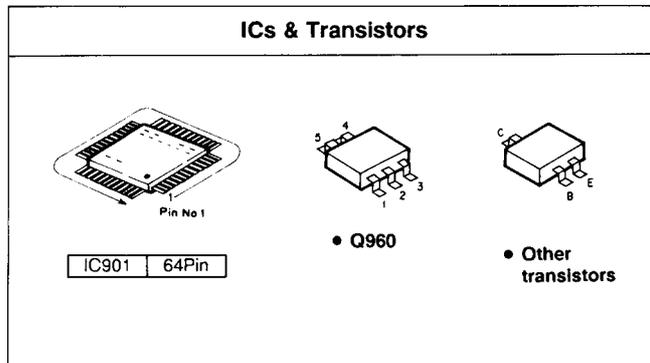
CQ-RD575/595LEN



< Switches Description >

- SW901 : DISP / CT Switch
- SW903 : VOL Down Switch
- SW904 : Preset 3 / TPS / SCAN
- SW905 : EJECT / ILL Switch
- SW906 : Preset 5 / SKIP / BAND Switch
- SW907 : Preset 4 / REPEAT Switch
- SW908 : TUNE / TRACK Down Switch
- SW909 : TUNE / TRACK Up Switch
- SW910 : TA Switch
- SW911 : AF / REG Switch
- SW912 : PTY / MONO-LOC Switch
- SW913 : PLAY / PRG
- SW914 : SEL Switch
- SW915 : BAND Switch
- SW916 : AUX / CD-C Switch
- SW917 : VOL Up Switch
- SW918 : PWR Switch
- SW919 : ATT / HDB Switch
- SW920 : Preset 2 / Dolby Disc Up Switch
- SW921 : Preset 1 / Disc Down Switch

Pin	IC952	IC953	Pin	IC951			B	C	E	
1	4.7	4.7	1	0	15	0	Q953	0	0	0.9
2	0	0	2	0	16	4.9	Q954	0	4.7	0
3	0	0	3	0	17	0	Q955	4.7	4.9	4.9
4	0	0.8	4	0	18	0	Q956	0	7.4	7.5
5	1.6	0	5	0	19	0	Q957	4.9	0	0
6	0	0	6	0	20	0	Q958	7.2	0	7.5
7	0	0	7	—	21	0	Q959	0	7.2	0
8	0	0	8	—	22	—	Q960	4.5	0	0
9	4.9	0	9	0	23	4.9	Q961	0	4.8	4.9
10	4.9	0	10	0	24	4.9				
11	4.9	0	11	—	25	0				
12	0	—	12	0	26	0				
13	4.8	—	13	0	27	0				
14	—	4.9	14	0	28	4.9				
15	4.9									
16	4.8									



	B	C	E		Q960
Q956	0	7.4	7.5	1	0
Q957	4.9	0	0	2	0.4
Q958	7.2	0	7.5	3	4.9
Q959	0	7.2	0	4	4.8
				5	—

TERMINALS DESCRIPTION / KLEMMENBESCHREIBUNG

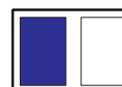
< Main Block >

■ IC601 : YEAM78058057

Pin No.	Port	Description	I/O	Vol. (V)
1	INIT C	Initial C	I	5.0
2	SD FM	FM detection	I	0.8
3	SD AM	AM detection	I	0
4	AV _{SS}	Analog ground	—	0
5	AF MUTE	AF mute	O	5.0
6	SUB VOL	Sub woofer vol. cont. (Note 2)	O	1.7
7	AVREF	Reference voltage	I	5.0
8	LCD DI	LCD data input	I	4.7
9	LCD DO	LCD data output	O	0
10	LCD CLK	LCD clock	O	0
11	CD.C DATA	CD changer data input	I	0
12	NC	No connection	—	—
13	CD.C CLK	CD changer clock input	I	0
14	REMOTE	CD changer remote control	O	5.0
15	PLL CE	PLL controller chip enable	O	0
16	PLL DATA (MI)	Data from PLL	I	5.2
17	PLL DATA (MO)	Data for PLL	O	0
18	PLL CLK	Clock for PLL	O	5.0
19	LCD CE	LCD chip enable output	O	0
20	CCD CHANGE	CCD changer select (Note 3)	O	0
21	PW CNT	Power control output	O	5.0
22	SYSCNT	System control output	O	5.0
23	M2	Tape loading motor control	O	5.2
24	M2F	Tape loading motor control	O	0

Pin No.	Port	Description	I/O	Vol. (V)
25	M1A	Tape main motor control	O	0
26	M1B	Tape main motor control	O	0
27	T/IN	Cassette tape detection	I	0
28	T/LOAD	Tape loading sense	I	0
29	A/B	Tape A/B side detection	I	5.2
30	CD GAIN	CD gain control (Note 3)	O	0
31	VMPLAY	Voice memory play (Note 3)	I	5.3
32	EQIN	Metal switch	I	0
33	VSS	Ground	—	0
34	HDB	High definition Bass control	O	5.0
35	LED	Warning alarm LED control	O	0.8
36	VOL CLK	Electronic volume clock	O	5.2
37	VOL DATA	Electronic volume data	I/O	5.2
38	ALARM CNT	Alarm control	O	0
39	CDSSENS	CD changer 1, 2 sense	O	0
40	TEL MUTE	Telephone mute control input	I	5.2
41	BIT1	Tape status	I	5.2
42	BIT2	Tape status	I	5.2
43	BIT3	Tape status	I	0
44	T. END A	Tape end A detection	I	1.2
45	T. END B	Tape end B detection	I	1.2
46	ILLUMIX	Illumi. control (Note 2)	O	5.0
47	NC	No connection	—	—
48	MONO CNT	AF select	O	0

Pin No.	Port
49	MUTE
50	BZOUT
51	ST
52	MS IN
53	MS GAIN2
54	MS GAIN
55	DOLBY C/B
56	F/R
57	NC
58	DOLBY
59	RDS DATA
60	RESET
61	REM
62	BATT
63	RDS CLK
64	CHNG STB
65	ACC
66	MOD
67	BZIN
68	V _{DD}
69	X2
70	X1
71	V _{SS}
72	NC



O	Vol. (V)	Pin No.	Port	Description	I/O	Vol. (V)
0	0	49	MUTE	Mute control	O	5.0
0	0	50	BZOUT	BEEP output	O	0
I	0	51	ST	FM stereo detection	I	5.0
I	0	52	MS IN	TPS input	I	5.0
I	5.2	53	MS GAIN2	MS gain control	O	0
0	0	54	MS GAIN	MS gain control	O	5.0
I	5.3	55	DOLBY C/B	Dolby C/B select	O	0
I	0	56	F/R	Tape FF/REW detection	I	0
-	0	57	NC	No connection	-	0
0	5.0	58	DOLBY	Dolby ON/OFF	O	5.0
0	0.8	59	RDS DATA	RDS data input	I	2.5
0	5.2	60	RESET	Reset input	O	5.0
O	5.2	61	REM	Remocon data input	I	0
0	0	62	BATT	Battery detection	I	5.0
0	0	63	RDS CLK	RDS clock input	I	2.6
I	5.2	64	CHNG STB	CD changer strobe input	I	0
I	5.2	65	ACC	ACC detection	I	5.3
I	5.2	66	MOD	Radio mode input	I	1.1
I	0	67	BZIN	Power ON/OFF detection	I	4.3
I	1.2	68	V _{DD}	+5V power supply	-	5.0
I	1.2	69	X2	Crystal oscillator	-	3.0
O	5.0	70	X1	Crystal oscillator	-	1.0
-	-	71	V _{SS}	Ground	-	0
O	0	72	NC	No connection	-	-

Pin No.	Port	Description	I/O	Vol. (V)
73	V _{SS}	Ground	-	0
74	AV _{DD}	+5V power supply	-	5.0
75	AV _{REF}	Reference voltage	-	5.0
76	NC	No connection	-	-
77	NC	No connection	-	-
78	INIT D	Initial value D (Note 4)	I	*
79	INIT A	Initial value A (Note 4)	I	*
80	INIT B	Initial value B	I	5.0

Note 1 :

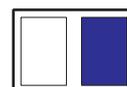
Voltage measurements are with respect to ground, with a voltmeter (Internal resistance : 10M ohms.)

Note 2 : CQ-RD595LEN only

Note 3 : CQ-RD575/595LEN only

Note 4 (*) : Voltage value

IC600	CQ-RD555LEN	CQ-RD575LEN	CQ-RD595LEN
78 Pin	5V	1.6V	0V
79 Pin	5V	1.6V	0V

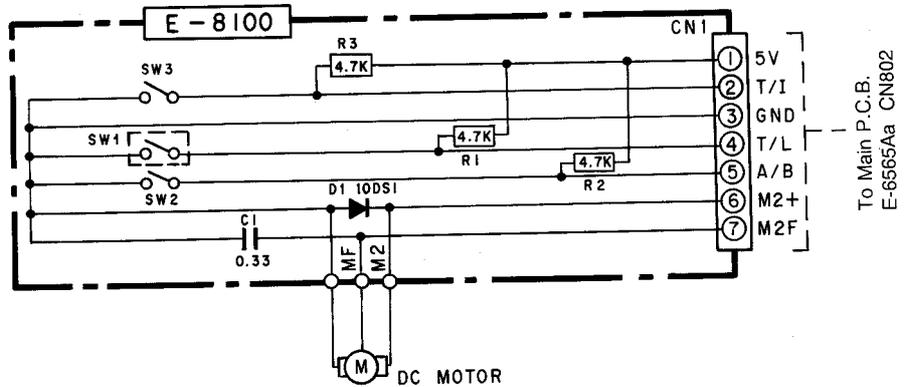
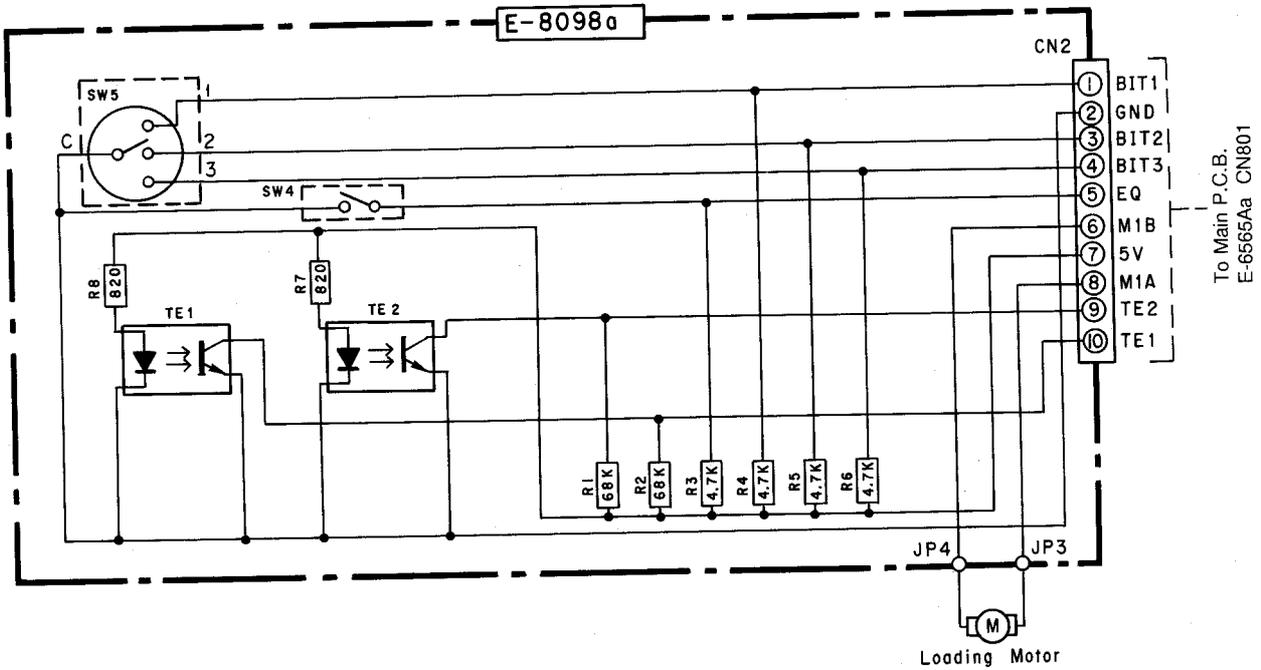
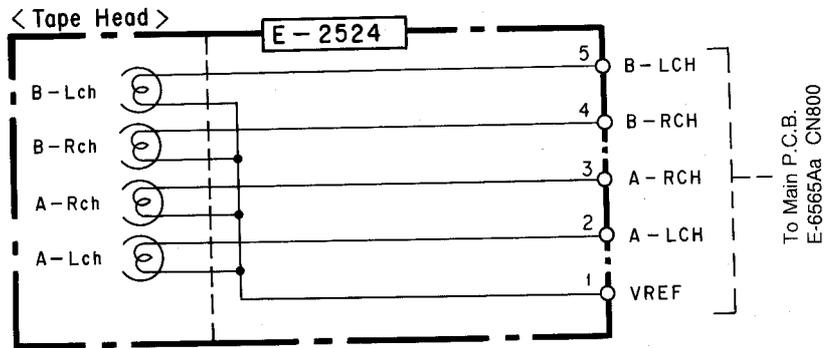


< Display Block >

■ IC901 YEAMLC75854

Pin No.	Port	Description	I/O	Vol. (V)
1	MIC CNT	MIC/Audio select (Note 3)	O	4.9
2	PLY ST/SP	Voice recorder play start/stop (Note 3)	O	0
3	ILL R	Red illumi. ON/OFF	O	4.9
4	ILL G	Green illumi. ON/OFF	O	0
5~39	SEG5~39	LCD segment	O	2.5
40~43	COM 1~4	LCD common	O	2.5
44~49	KS1~6	Key data output	O	0.9
50~54	KI1~5	Not used	I	0
55	TEST	(Connecting to ground)	—	0
56	VDD	+5V power supply	—	4.9
57	VDD1	Not used	—	3.3
58	VDD2	Not used	—	1.7
59	V _{SS}	Ground	—	0
60	OSC	CR oscillator	—	3.9
61	DO	LCD data output	O	4.4
62	CE	Chip enable	I	0
63	CLK	LCD clock	I	0
64	DI	LCD data input	I	0

SCHEMATIC DIAGRAM / SCHALTBILT (Tape Block)
MODELS CQ-RD555/575/595LEN



**Removable Face High-Power Logic-Cont. Cassette / RDS Receiver
 with Voice Recording & CD Changer Control**

ALIGNMENT INSTRUCTIONS

- Power Supply Voltage : DC 14.4V
- Output Impedance : 4Ω
- Output Power : 0.5W
- Balance, Fader Control : Center
- Tone Control (Bass/Tre) : Center

NOTE : Do not align the AM and FM package blocks. When the package block is necessary, it will be supplied already aligned at the factory.

1. DOLBY NR ALIGNMENT

Step	Alignment Item	Test Tape	VTVM Connection	Adjust	Remarks
1	DOLBY NR	RFKZ0038	TP201-Ground	VR201	● Adjust for 300mV ± 18mV
2		RFKZ0038	TP301-Ground	VR301	● Adjust for 300mV ± 18mV

ABGLEICH ANLEITUNG

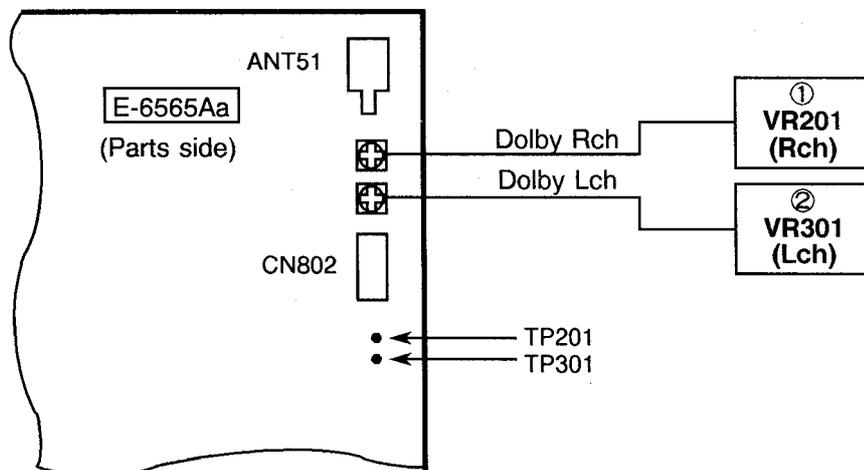
- Spannungsversorgung : DC 14.4V
- Ausgangsimpedanz : 4Ω
- Ausgangsspannung : 0.5W
- Überblendregler : Mitte
- Klangregler (Höhen/Tiefton) : Mitte

Hinweis : Niemals LW/MW und UKW abgleichen. Vom Werk gelieferte Austauschplatten sind bereits abgestimmt.

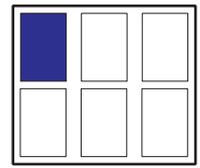
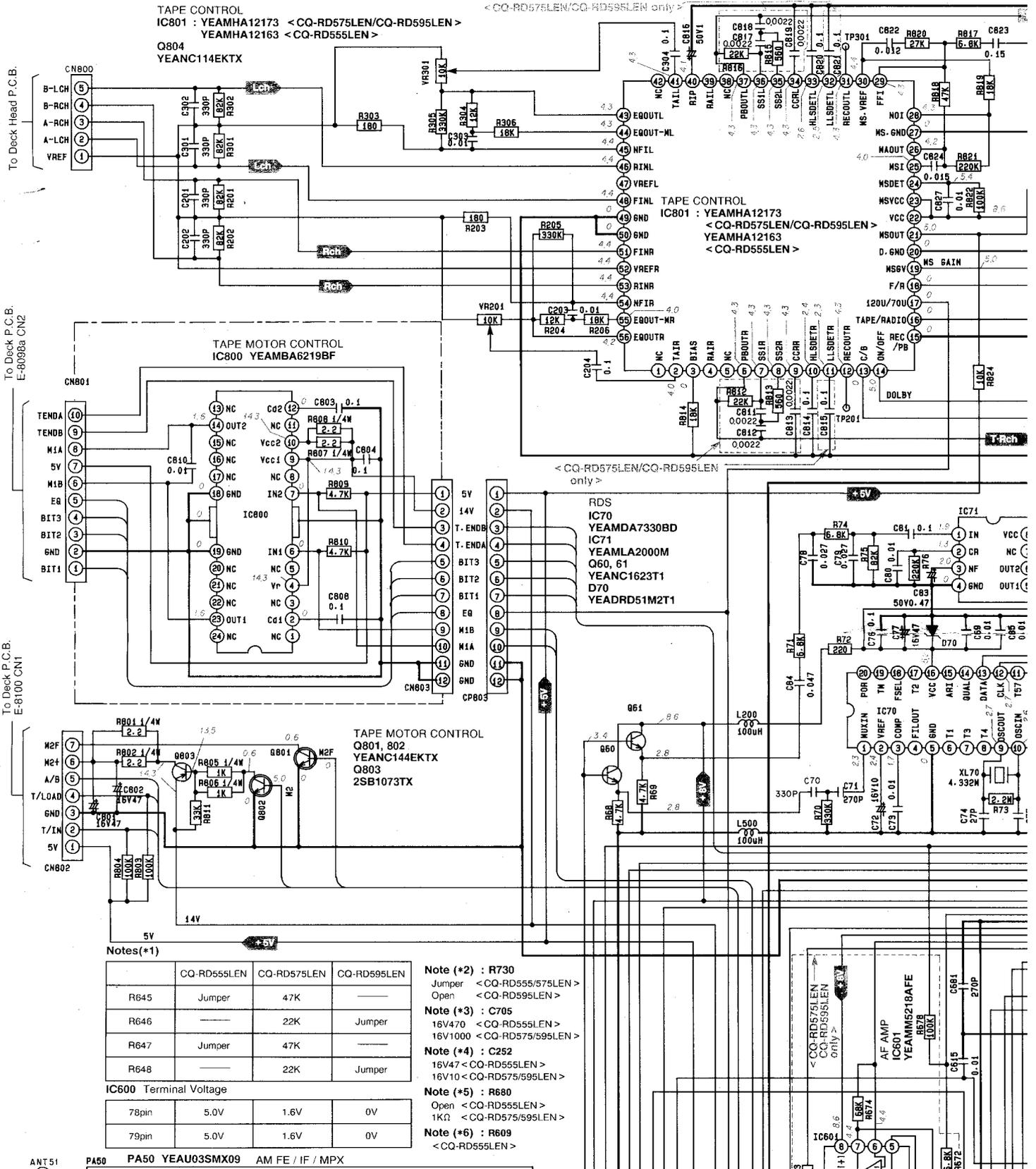
1. DOLBY NR ABGLEICH

Stufe	Abgleichobjekt	Testband	Anschluß des Anzeigeinstruments	Abgleich	Ammerkung
1	DOLBY NR	RFKZ0038	TP201-Ground	VR201	● Auf 300mV ± (18mV) stellen.
2		RFKZ0038	TP301-Ground	VR301	● Auf 300mV ± (18mV) stellen.

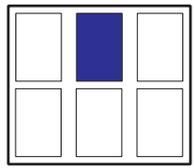
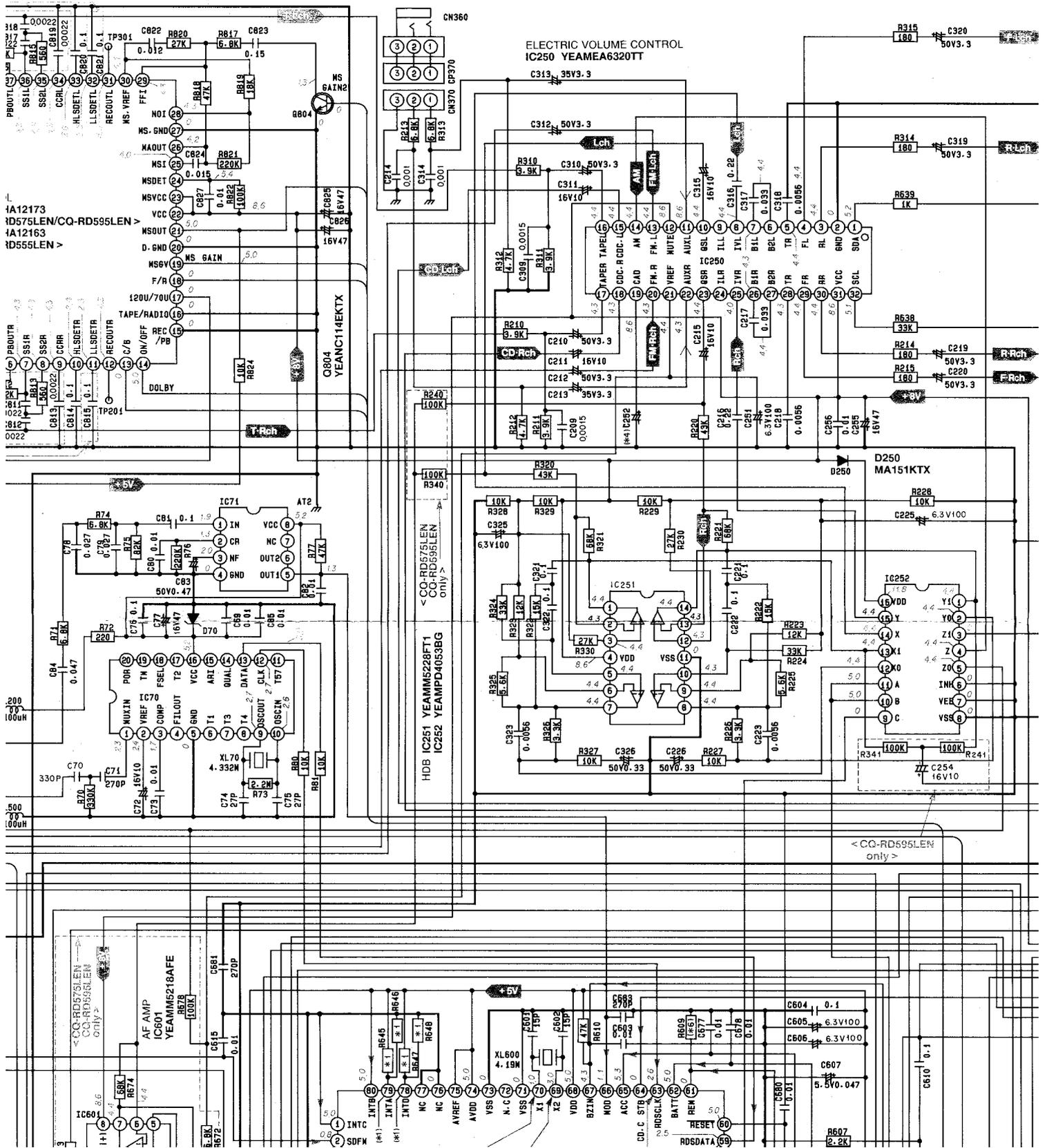
ALIGNMENT POINTS/ABGLEICHPUNKTE

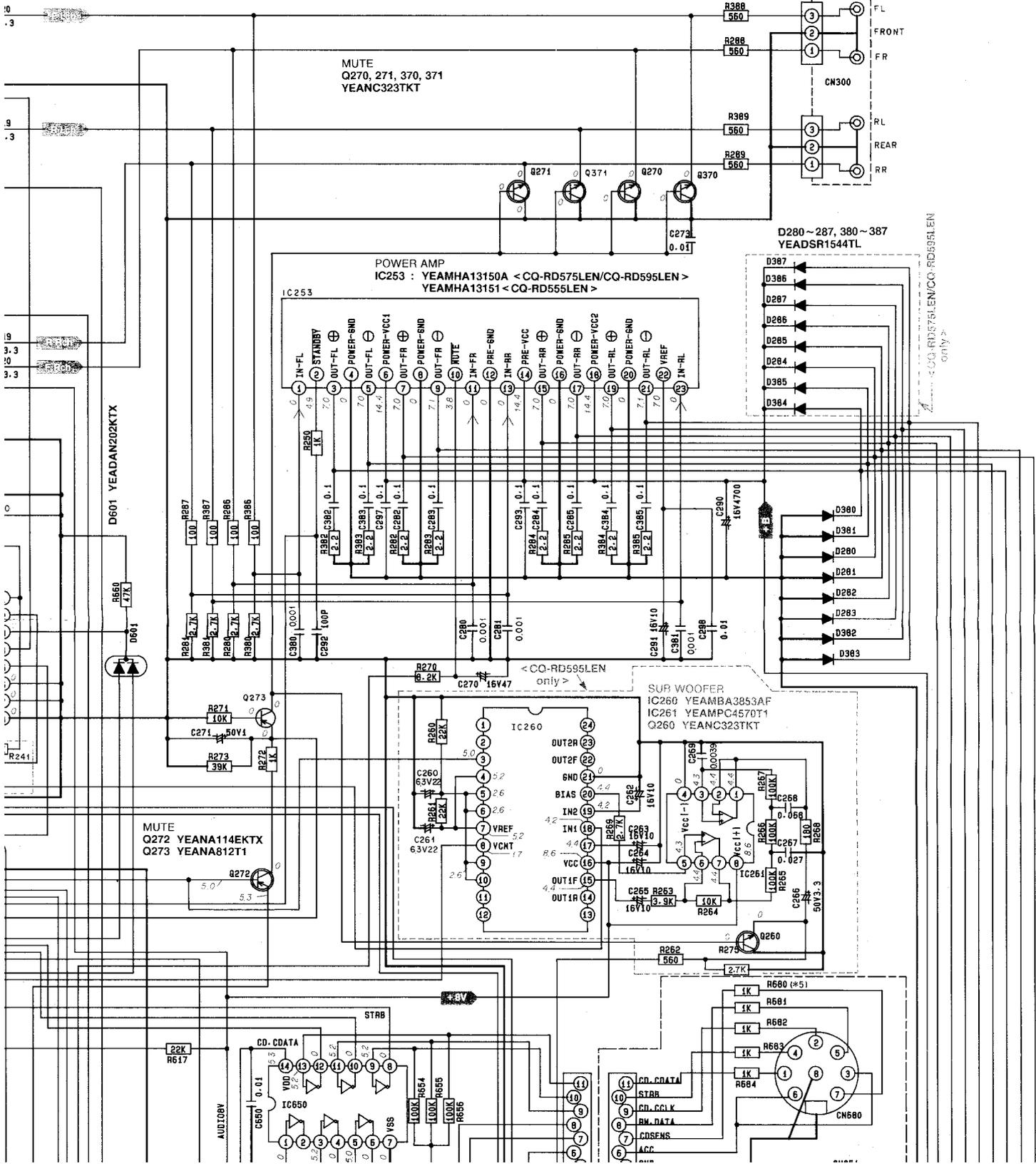


SCHEMATIC DIAGRAM / SCHALTBILT (Main Block) MODELS CQ-RD555/575/



ODELS CQ-RD555/575/595LEN





IC253 : YEAMHA13150A < CQ-RD575LEN/CQ-RD595LEN >
 YEAMHA13151 < CQ-RD555LEN >

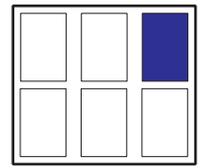
D280 ~ 287, 380 ~ 387
 YEADSR1544TL

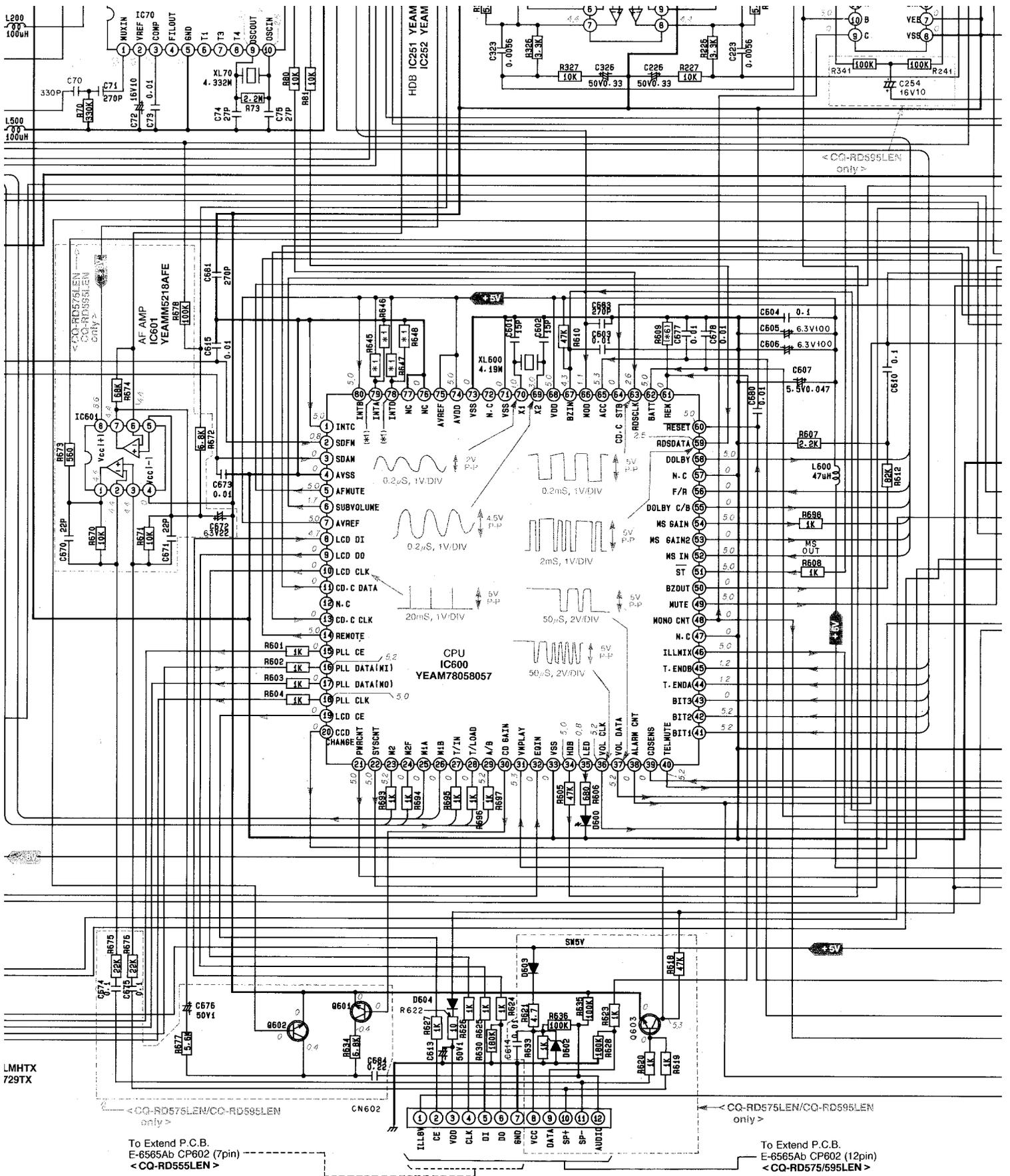
SUR WOOFER
 IC260 YEAMBA3853AF
 IC261 YEAMPC4570T1
 Q260 YEANC323TKT

MUTE
 Q272 YEANA114EKT
 Q273 YEANA812T1

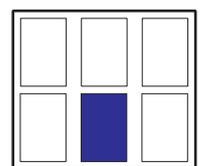
MUTE
 Q270, 271, 370, 371
 YEANC323TKT

D601 YEADAN202KTX



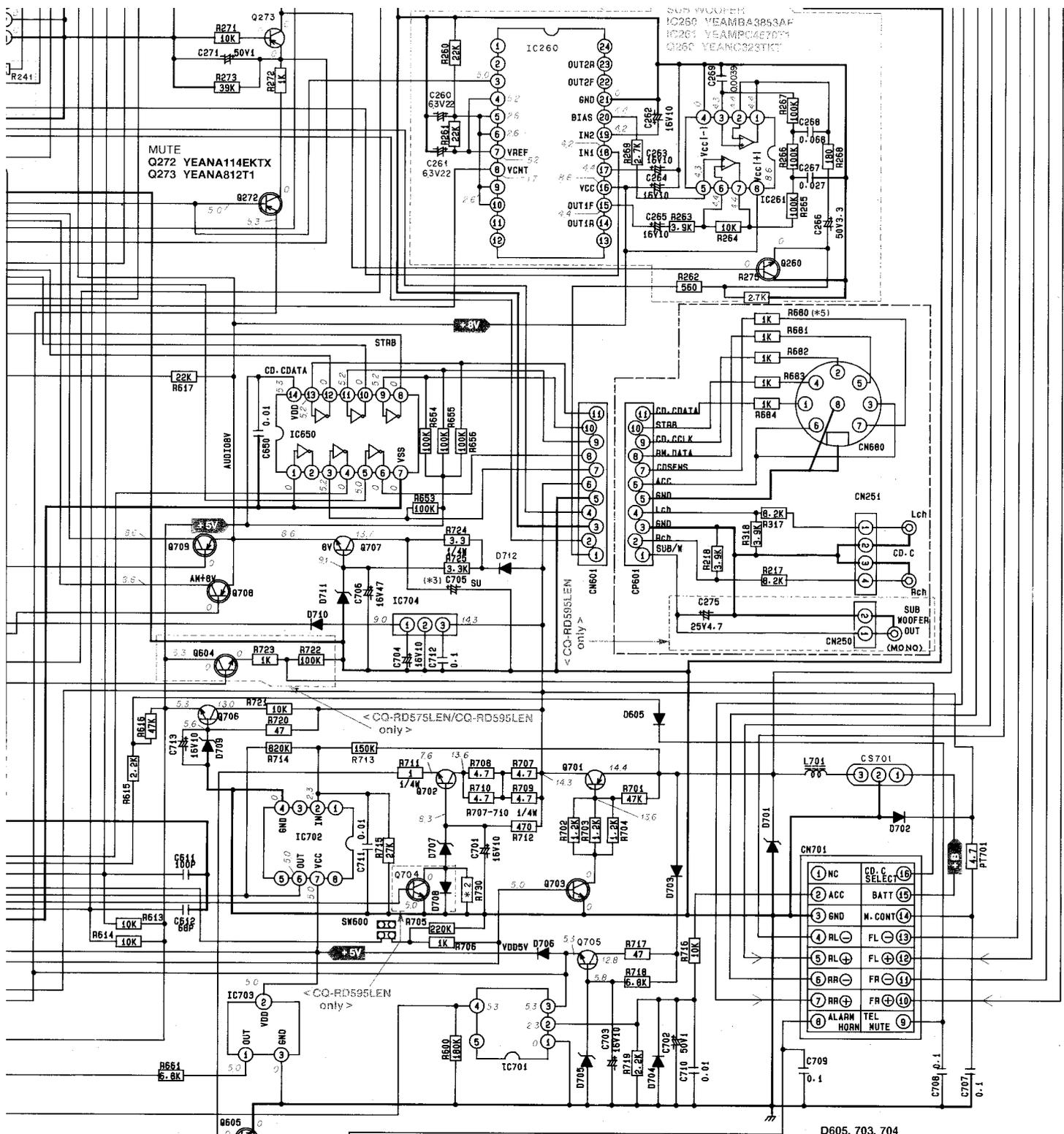


Removable Face High-Power Logic-Cont.



To Extend P.C.B.
E-6565Ab CP602 (7pin)
CQ-RD555LEN

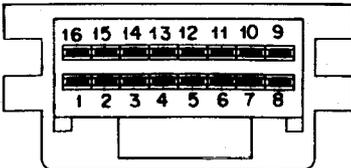
To Extend P.C.B.
E-6565Ab CP602 (12pin)
CQ-RD575/595LEN



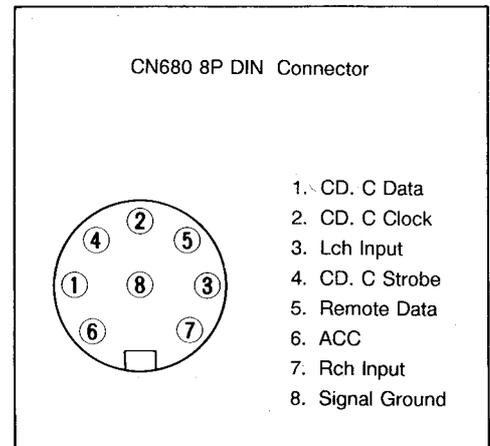
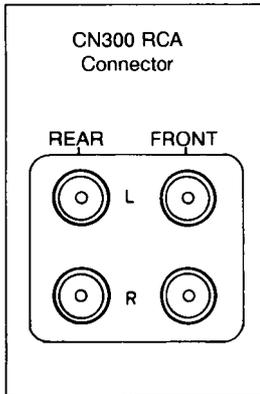
- IC650 MN4584BST1
- IC702 YEAMM51945AF
- IC703 MN1382QTX
- IC704 AN8009M-E1
- IC705 YEAMC3618T1
- IC706 YEAMC3618T1
- IC707 2SD2139TA
- IC708 MA721TX
- IC709 MA729TX
- IC710 50V1
- IC711 YEADR91M2T1
- IC712 MA736TX
- IC713 74VHC04
- IC714 74VHC125
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- IC978 74VHC14
- IC979 7

TERMINALS OF THE IC'S, TRANSISTORS AND CONNECTORS \ ЦОКОЛЕВКА МИКРОСХЕМ, ТРАНЗИСТОРОВ И РАЗЪЕМОВ

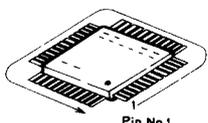
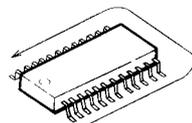
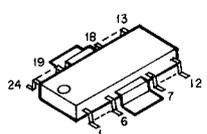
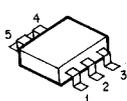
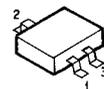
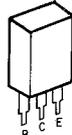
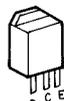
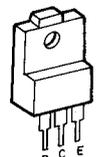
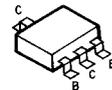
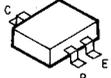
— CN701 16P Connector —

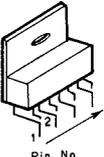


<ol style="list-style-type: none"> 1. No Connection 2. Power Supply, ACC ⊕ 3. Ground 4. Rear Speaker, Left ⊖ 5. Rear Speaker, Left ⊖ 6. Rear Speaker, Right ⊖ 7. Rear Speaker, Right ⊕ 8. Alarm Horn <p style="text-align: center;"><CQ-RD575/595 LEN></p>	<ol style="list-style-type: none"> 9. Telephone Mute 10. Front Speaker, Right ⊕ 11. Front Speaker, Right ⊖ 12. Front Speaker, Left ⊕ 13. Front Speaker, Left ⊖ 14. Motor Antenna Cont. 15. Power Supply, ⊕B 16. CD · C Change <p style="text-align: center;"><CQ-RD575/595 LEN></p>
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ICs & Transistors

 <p style="text-align: center;">Pin No 1</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>IC600</td><td>80Pin</td></tr> <tr><td>IC801</td><td>56Pin</td></tr> </table>	IC600	80Pin	IC801	56Pin	 <p style="text-align: center;">Pin No1</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>IC70</td><td>24Pin</td></tr> <tr><td>IC71</td><td>8Pin</td></tr> <tr><td>IC251</td><td>14Pin</td></tr> <tr><td>IC252</td><td>16Pin</td></tr> <tr><td>IC260</td><td>24Pin</td></tr> <tr><td>IC261</td><td>8Pin</td></tr> <tr><td>IC400</td><td>24Pin</td></tr> <tr><td>IC601</td><td>8Pin</td></tr> <tr><td>IC650</td><td>14Pin</td></tr> <tr><td>IC702</td><td>8Pin</td></tr> </table>	IC70	24Pin	IC71	8Pin	IC251	14Pin	IC252	16Pin	IC260	24Pin	IC261	8Pin	IC400	24Pin	IC601	8Pin	IC650	14Pin	IC702	8Pin	 <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>IC800</td><td>24Pin</td></tr> </table>  <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>IC701</td><td>5Pin</td></tr> </table>	IC800	24Pin	IC701	5Pin	 <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>IC703</td><td>3Pin</td></tr> <tr><td>IC704</td><td>3Pin</td></tr> </table>  <p style="text-align: center;">• Q701</p>  <p style="text-align: center;">• Q707</p>	IC703	3Pin	IC704	3Pin	 <p style="text-align: center;">• Q702</p>  <p style="text-align: center;">• Q705, 706, 803</p>  <p style="text-align: center;">• Other transistors</p>
IC600	80Pin																																			
IC801	56Pin																																			
IC70	24Pin																																			
IC71	8Pin																																			
IC251	14Pin																																			
IC252	16Pin																																			
IC260	24Pin																																			
IC261	8Pin																																			
IC400	24Pin																																			
IC601	8Pin																																			
IC650	14Pin																																			
IC702	8Pin																																			
IC800	24Pin																																			
IC701	5Pin																																			
IC703	3Pin																																			
IC704	3Pin																																			



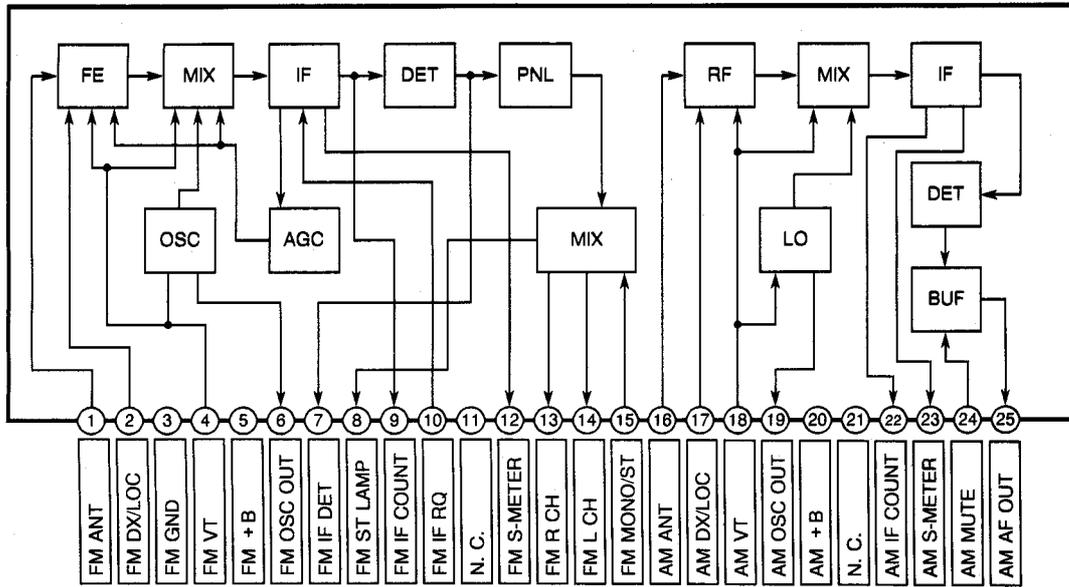
Pin No.

IC253	23Pin
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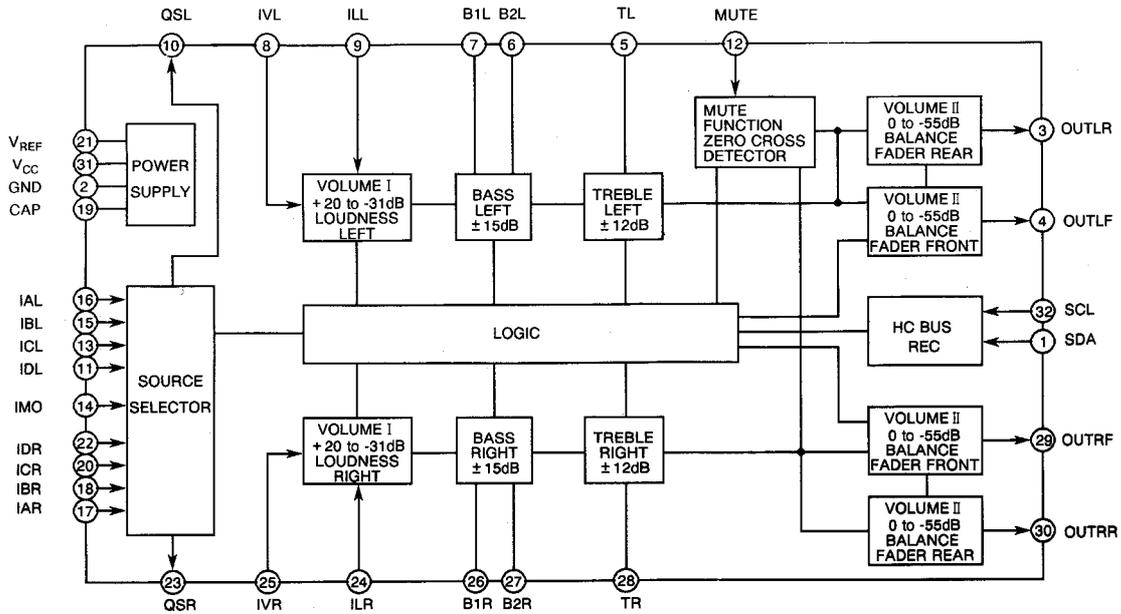
PACKAGE AND IC BLOCK DIAGRAM / PACKEN UND IC BLOCK DIAGRAM

< Main P.C.B. >

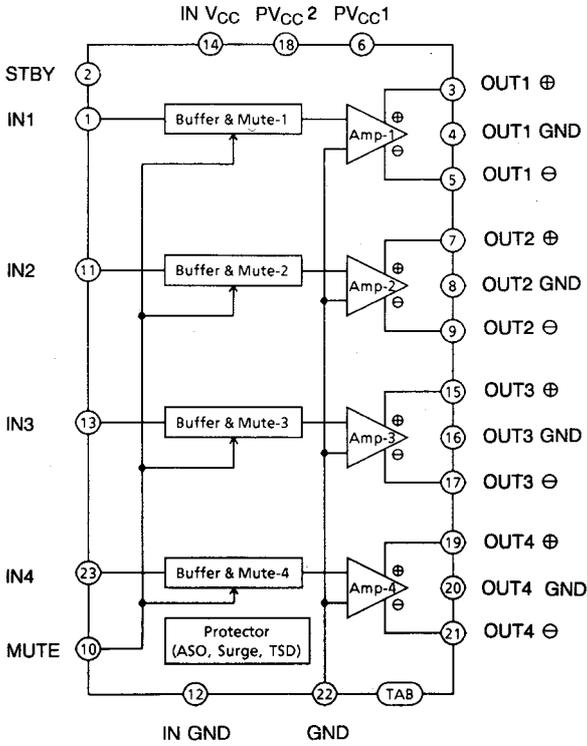
● PA50 YEAU03SMX09



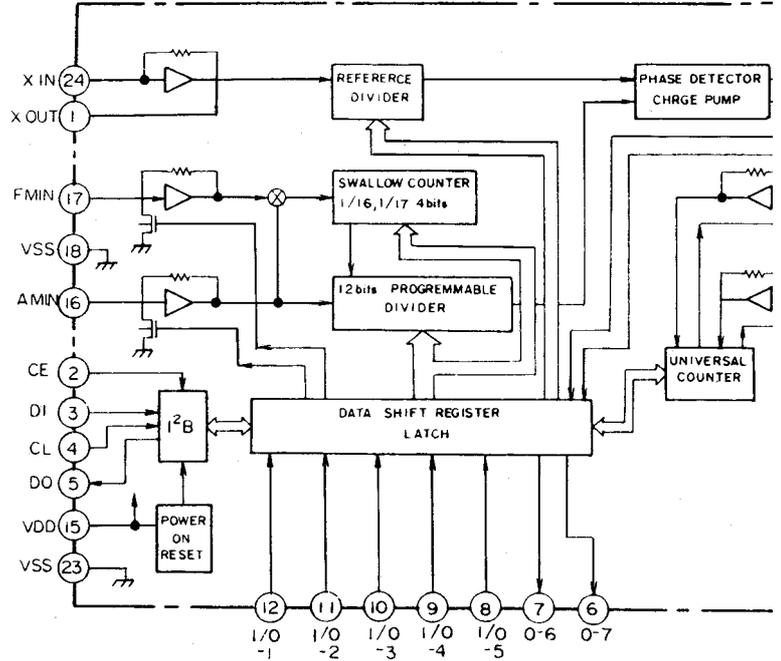
● IC250 YEAMEA6320TT



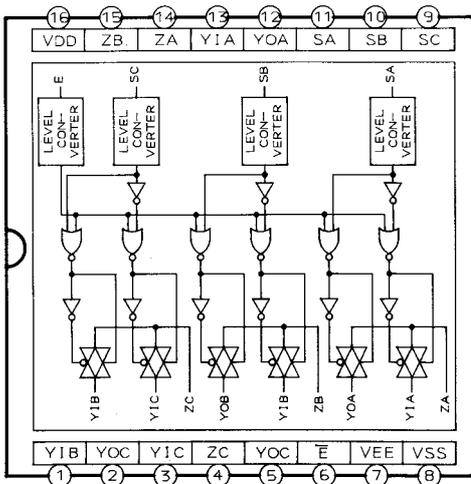
● IC253 : YEAMHA13151
< CQ-RD555LEN >
YEAMHA13150A
< CQ-RD575/595LEN >



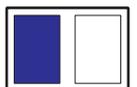
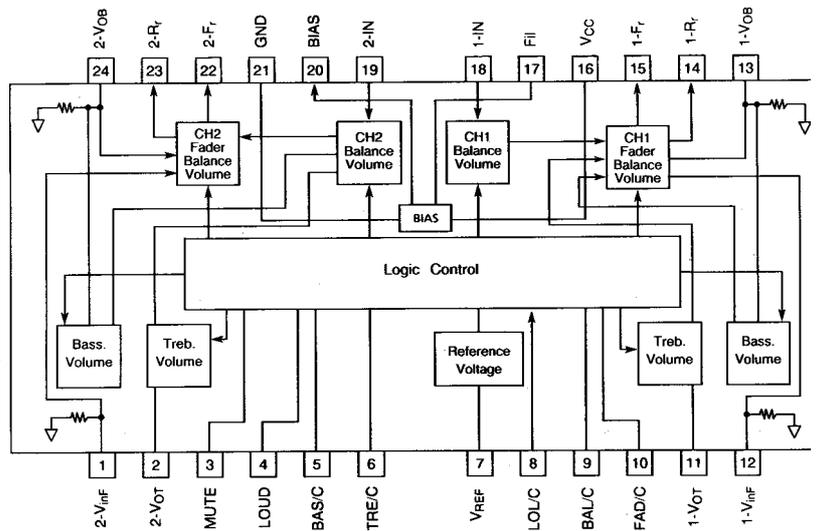
● IC400 YEAMLC72146T



● IC252 < Main P.C.B. >
IC952 < Display P.C.B. >
YEAMPD4053BG

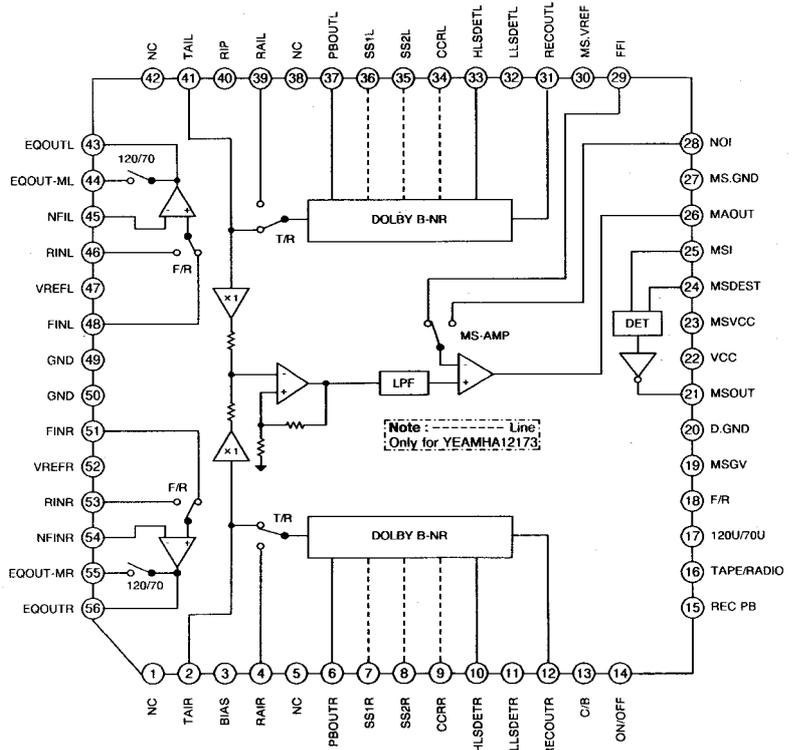
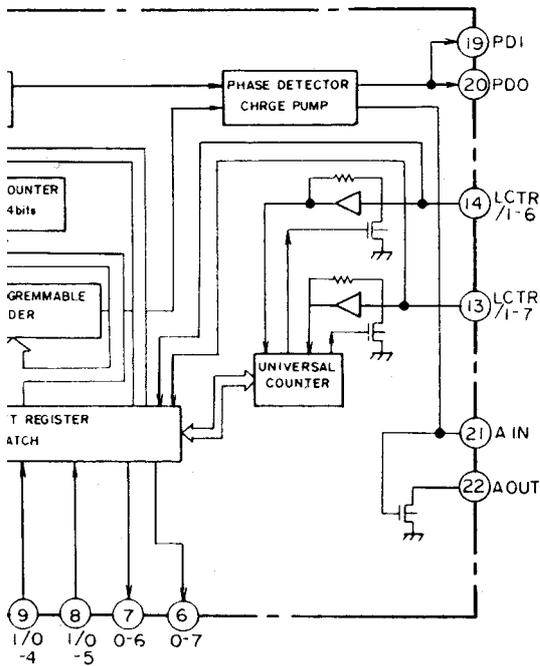


● IC260 YEAMBA3853AF

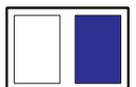
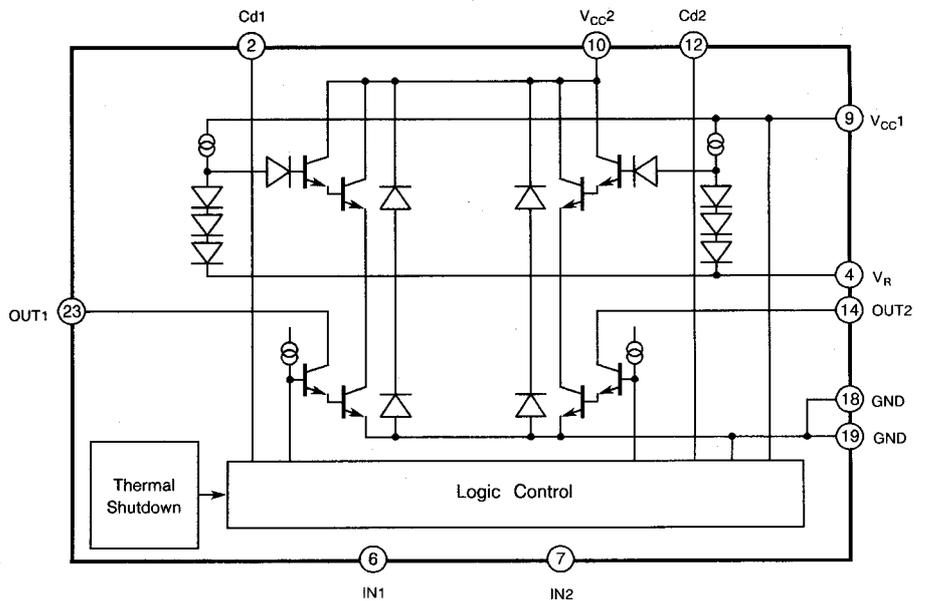
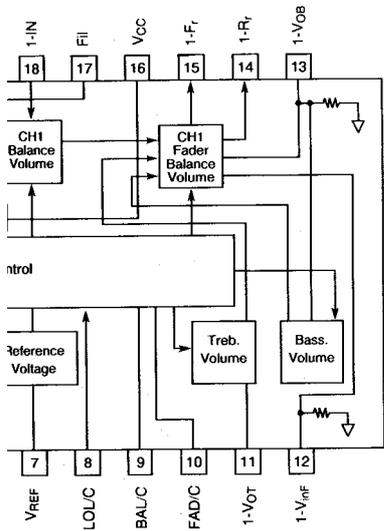


● IC801 YEAMHA12163 < CQ-RD555LEN >
YEAMHA12173 < CQ-RD575/595LEN >

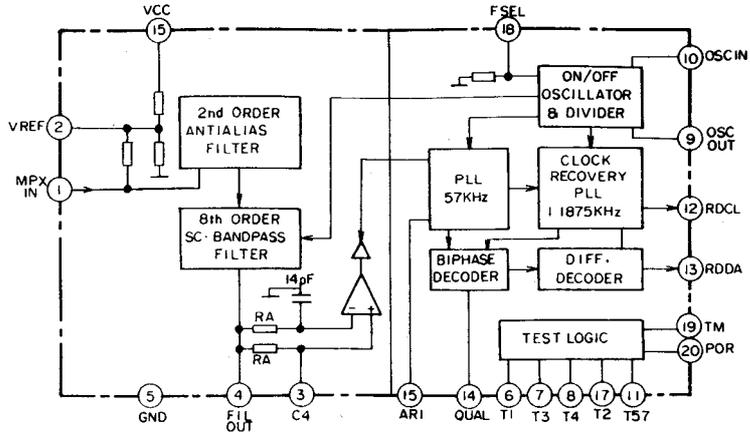
I6T



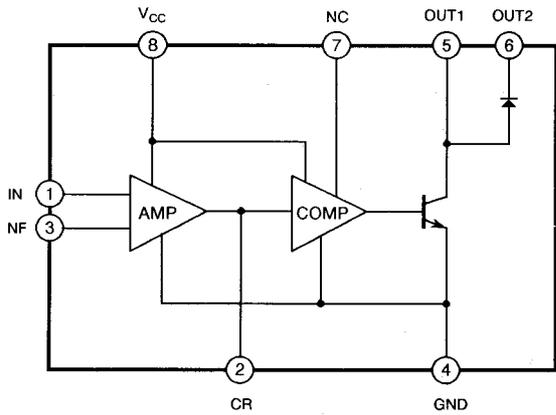
● IC800 YEAMBA6219BF



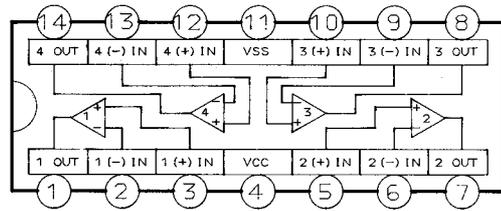
● IC70 YEAMDA7330BD



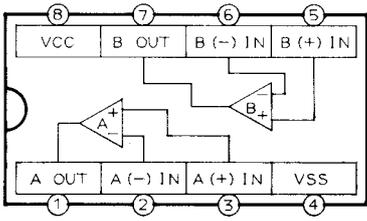
● IC71 YEAMLA2000M



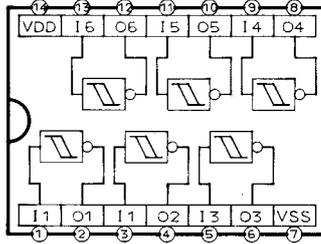
● IC251 YEAMM5228FT1



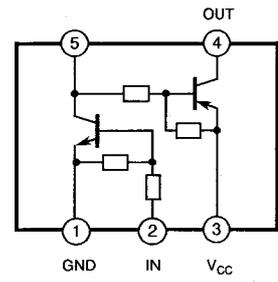
- IC261 YEAMPC4570T1
- IC601 YEAMM5218AFE



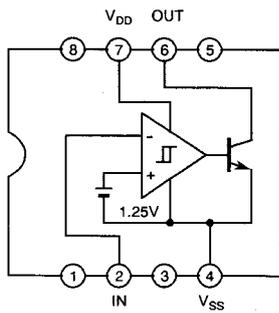
- IC650 MN4584BST1



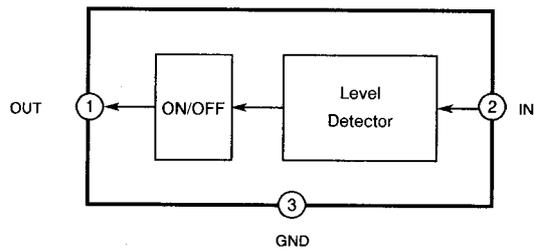
- IC701 YEANFMC5KTX



- IC702 YEAMM51945AF

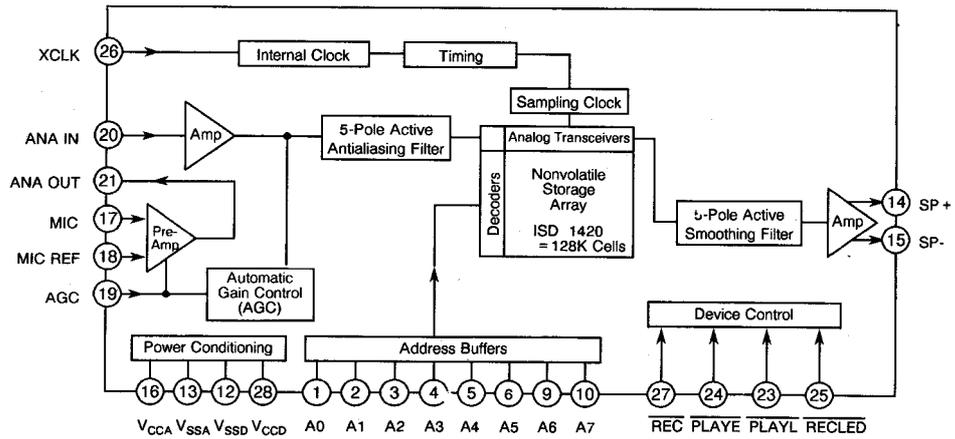


- IC703 MN1382QTX

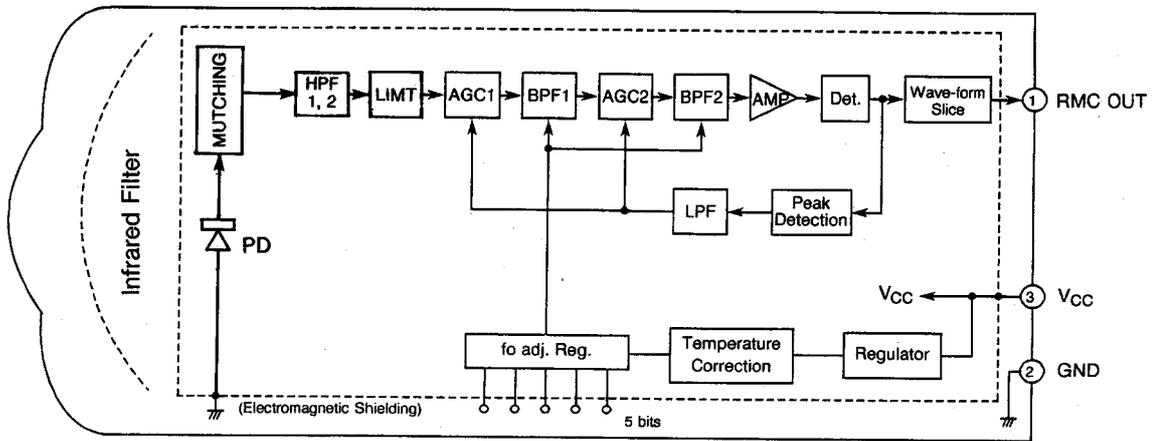


< Display P.C.B. >

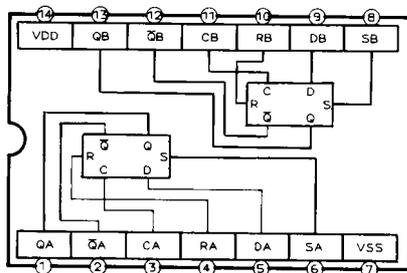
● IC951 YEAMISD1420



● IC921 YEAMSBX8025F



● IC953 YEAMPD4013T2



Voice Recording System

< Only for CQ-RD575/595LEN >

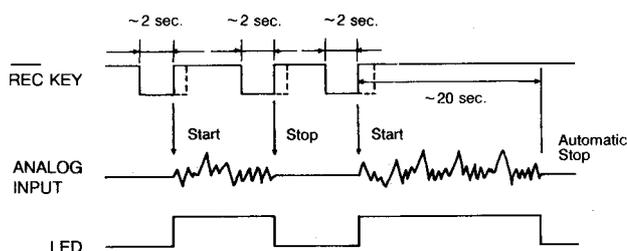
[Recording]

1. Press the "▶" (MIC/AUDIO) button for more than 2 seconds to switch recording input mode (MIC or AUDIO). In the case of MIC input, the "MIC" indication appears on the display. In the case of AUDIO input (from radio or CD or tape), the "MIC" indication disappears.
2. When the REC button is pressed and held for more than 2 seconds, the recording starts. The recording can be stopped when the REC button is pressed and held for more than 2 seconds again. The recording stops automatically after 20 seconds.
 - The red LED lights up during the recording.
 - The message recorded previously will be erased when the new recording is made.
 - There is no playback function when the "▶" (PLAYBACK) key is pushed during the recording. Instead, the "mute" function operates for 1-2 sec., then the recording resumes.
3. Flow of the signals
 - 1) Flow of the signals in the case of MIC (microphone) recording
 - The audio signal received by the MIC (microphone) is entered in the pins 17 and 18 of the voice recording LSI (IC951), and is output through the pin 21, after passing through the BUFFER AMP. This signal is entered in the pin 5 of the ANALOG SW (IC952), and is output through the pin 4. Then, the signal is entered in the pin 20 of the IC951, and is stored in the built-in EEPROM.
 - 2) Flow of the signals in the case of audio input (from radio, CD or tape)
 - The signals of pin 23 (R-CH) and pin 10 (L-CH) of IC250 (Electronic VOL) are entered in pin 6 of IC601 (BUFFER AMP), and are output at pin 7. Then, these signals are entered in pin 3 of IC952 (ANALOG SW) and are output at the pin 4. After that, the signals are entered in pin 20 of IC951, and are stored in the EEPROM.

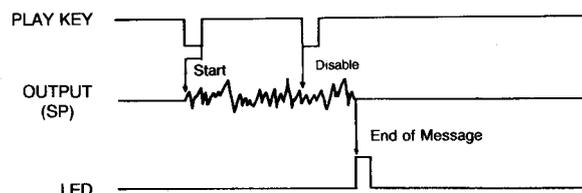
< Control signals in the REC MODE >

- 1) MIC CONT output (from the pin 1 of IC901 to the pin 9 of IC952)
 - Signal for switching the recording mode between the MIC-AUDIO modes.
 - In the AUDIO mode : H
 - In the MIC mode : L
- 2) CD GAIN output (from the pin 30 of IC600 to the base of Q601)
 - Signal for switching the recording level of the audio LSI in the CD, CDC and AUX modes, during the recording mode.
 - In the CD, CDC and AUX mode : H
 - In other mode : L

[Recording] : The recording starts/stops every time the REC key is pressed for more than 2 seconds .



[Playback] : The playback starts when the PLAY key is pressed, and stops automatically.

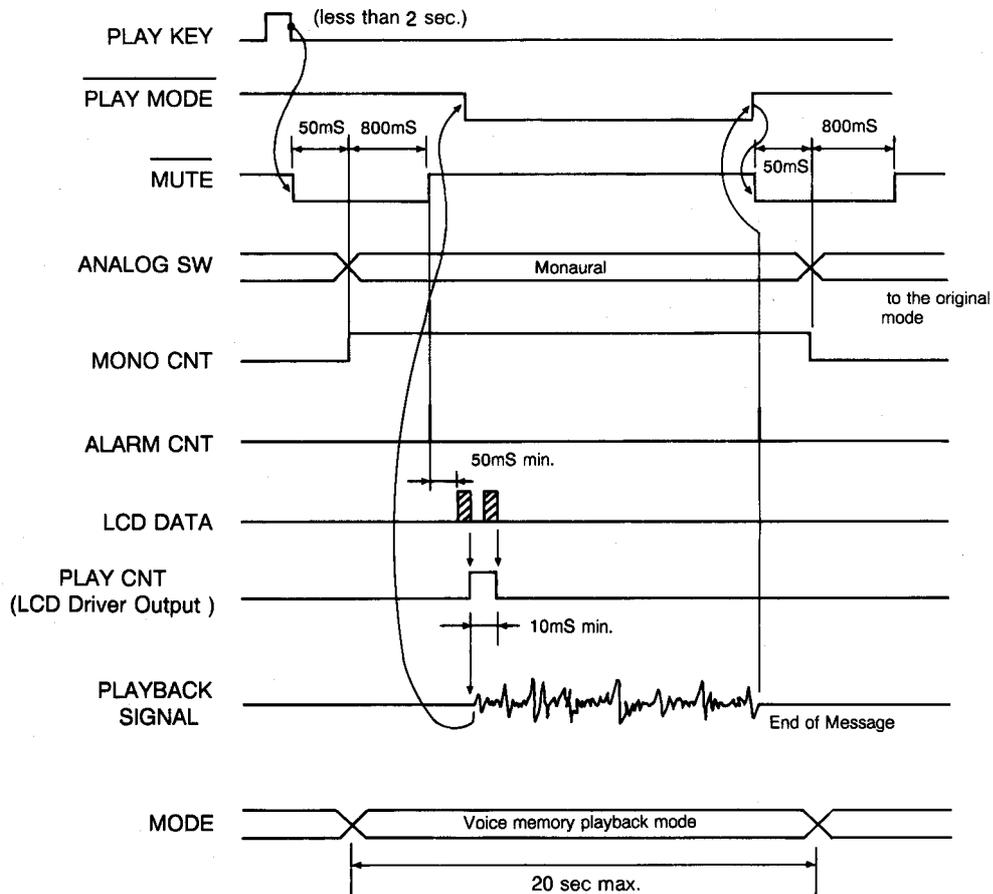


[Playback]

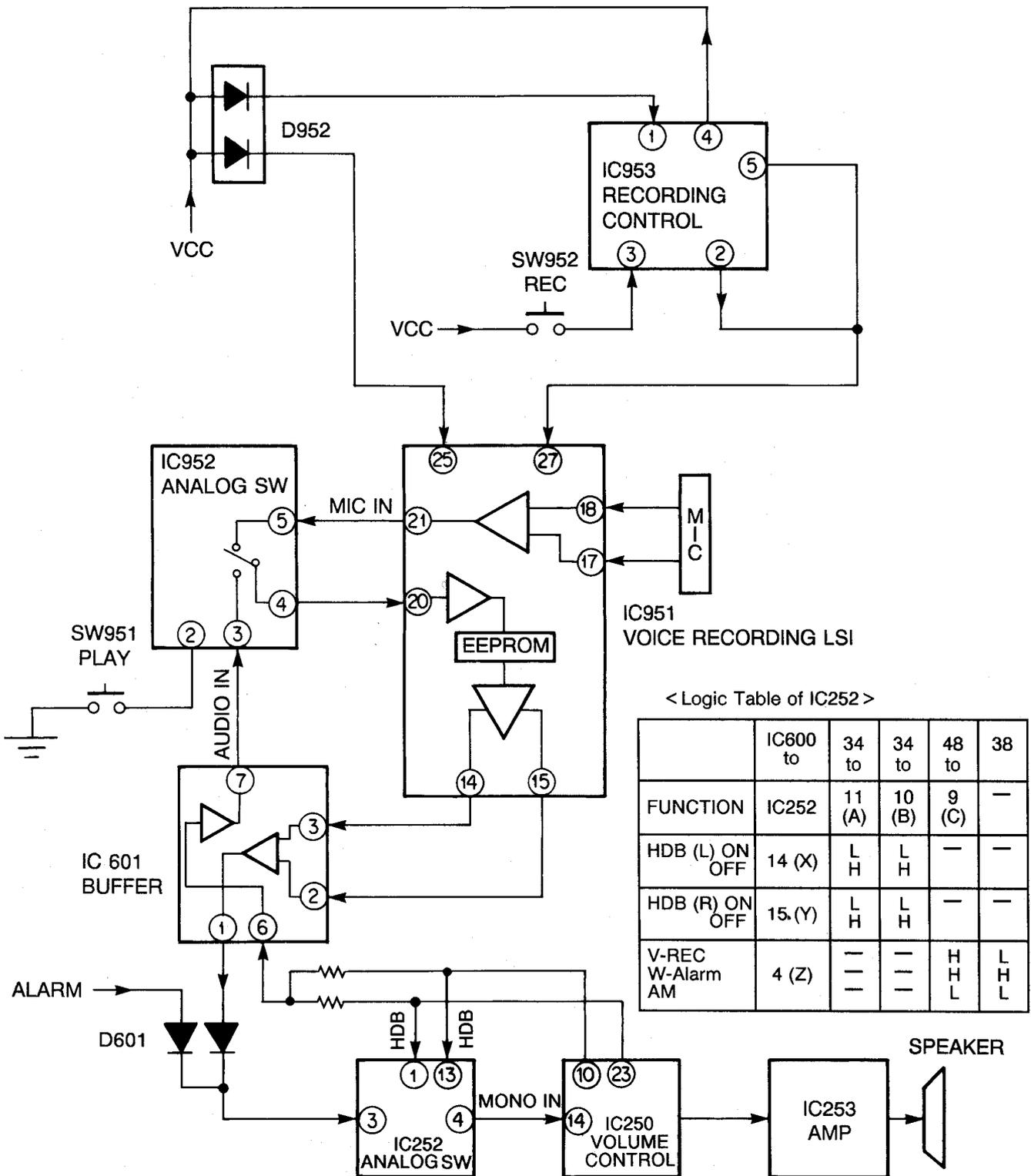
1. The playback is started when the "▶" button is pressed, and it continues until the recorded contents end.
 - The operation returns to the original mode when the removable face is installed.
 - The red LED lights up once, momentarily, when the playback ends.
 - The POWER ON/OFF, VOL UP/DOWN, ATT and the MODE switching operations are possible during the playback.
 - When recording is activated during the playback, the playback is stopped, and the recording is started.
2. When the playback is started, the audio signal stored in the EEPROM memory is output at the pins 14 and 15 of IC951 to pins 3 and 2 of IC601 (BUFFER AMP), and then it is output at pin 1 to pin 3 (MONO input) of the analog SW (IC252) via diode (D601). Then, the signal is entered in the AMP via electronic VOL, and the audio signal is output to the loudspeaker.

<Control signals during the PLAY MODE >

- 1) PLAY CONT output (from pin 2 of IC901 to the base of Q954)
 - Start/stop pulse signal of the playback mode when the panel is mounted.
 - : Playback Start/Stop
- 2) PLAY MODE input (from the pins 14 and 15 of IC951 to pin 31 of IC600)
 - The end of the playback mode is triggered by the L-H switching of the signal that is stuck at "L" during the playback of the audio LSI.
 - Audio playback mode : L
 - Audio operation OFF : H
- 3) MONO CON output (from pin 48 of IC600 to pin 9 of IC252)
 - Signal for switching the monaural input signal of the electronic VOL (IC250)
 - Voice recording/Warning alarm : H
 - Others : L



Voice Recording System Block Diagram < Only for CQ-RD575/595LEN >



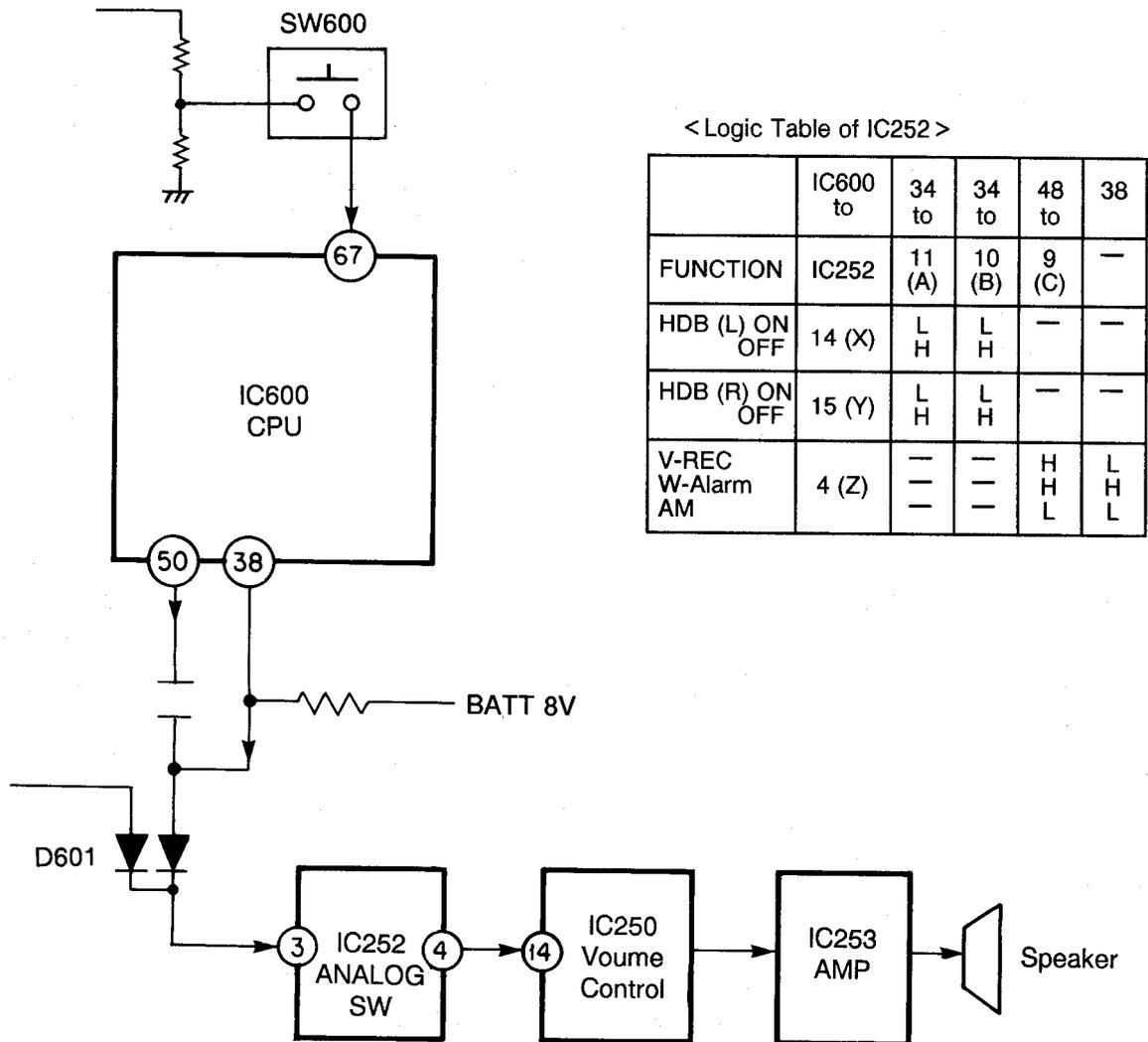
< Logic Table of IC252 >

	IC600 to	34 to	34 to	48 to	38
FUNCTION	IC252	11 (A)	10 (B)	9 (C)	—
HDB (L) ON OFF	14 (X)	L H	L H	—	—
HDB (R) ON OFF	15 (Y)	L H	L H	—	—
V-REC W-Alarm AM	4 (Z)	—	—	H H L	L H L

Warning Alarm System < Only for CQ-RD575/595LEN >

- Push the SEL key and hold for 4 seconds for switching between "Alarm ON (LED ON)" and "Alarm OFF (LED OFF)".
- The security LED flickers when the LED is ON. When the removable face is removed and the lever is pushed, the SW600 turns ON, and the alarm sound signals of 1.2kHz and 2.4kHz are output from the pin 1 of the IC600 (CPU). This signal passes through the diode (D601), is entered in pin 3 of IC252 (Analog SW), and is output at pin 4. Then, it is entered in pin 30 (MONO input) of IC250 (Electronic VOL), the obtained output passes through IC253 (AMP), and is output through the loudspeaker for 1 minute in the form of alarm sound. To stop the alarm sound, install the removable face to the unit.
- The alarm will not operate if the removable face is not removed.

Warning Alarm System Block Diagram < Only for CQ-RD575/595LEN >



Replacement Parts List
Models NO. CQ-RD555LEN/CQ-RD575LEN/CQ-RD595LEN

NOTES :
 1. Be sure to make your orders of replacement parts according to this list.
 2. Important safety notice : Components identified by Δ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
 3. Next to the Ref. No. in the parts list is a location key, to show the general location of the parts shown in the exploded drawing, as in a road map.
 4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
ICs & TRANSISTORS					
MAIN BLOCK					
[E6565A]					
IC70	YEAMDA7330BD		IC	1	
IC71	YEAMLA2000M		IC	1	
IC250	YEAMEA6320TT		IC	1	
IC251	YEAMM5228FT1		IC	1	
IC252	YEAMPD4053BG		IC	1	
IC253	YEAMHA13151		IC	1	CQ-RD555LEN
	YEAMHA13150A			1	CQ-RD575/595LEN
IC260	YEAMBA3853AF		IC	1	CQ-RD595LEN
IC261	YEAMPC4570T1		IC	1	CQ-RD595LEN
IC400	YEAMLC72146T		IC	1	
IC600	YEAM78058057		IC	1	
IC601	YEAMM5218AFE		IC	1	CQ-RD575/595LEN
IC650	MN4584BST1		IC	1	
IC701	YEANFMC5KTX		IC	1	
IC702	YEAMM51945AF		IC	1	
IC703	MN1382QTX		IC	1	
IC704	AN8009M-E1		IC	1	
IC800	YEAMBA6219BF		IC	1	
IC801	YEAMHA12163		IC	1	CQ-RD555LEN
	YEAMHA12173			1	CQ-RD575/595LEN
PA50	YEAU03SMX09		Electronic Tuner	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
Q60, 61	YEANC1623T1		Transistor	2	
Q260	YEANC323TKT		Transistor	1	CQ-RD595LEN
Q270, 271	YEANC323TKT		Transistor	2	
Q272	YEANA114EKT X		Transistor	1	
Q273	YEANA812T1		Transistor	1	
Q370, 371	YEANC323TKT		Transistor	2	
Q401	YEAN2SK536T		Transistor	1	
Q601	YEANC144WKT		Transistor	1	CQ-RD575/595LEN
Q602	YEANC323TKT		Transistor	1	CQ-RD575/595LEN
Q603, 604	YEANC114YKT		Transistor	2	CQ-RD575/595LEN
Q605, 606	YEANC144EKT X		Transistor	2	
Q701	2SB929PQ		Transistor	1	
Q702	YEAND1762EF		Transistor	1	
Q703	YEANC114YKT		Transistor	1	
Q704	YEANC114YKT		Transistor	1	CQ-RD595LEN
Q705, 706	YEANC3618T1		Transistor	2	
Q707	2SD2139TA		Transistor	1	
Q708, 709	YEANFP1F3PT1		Transistor	2	
Q801, 802	YEANC144EKT X		Transistor	2	
Q803	2SB1073TX		Transistor	1	
Q804	YEANC114EKT X		Transistor	1	
DISPLAY BLOCK < CQ-RD555LEN only >					
[E8157A]					
IC901	YEAMLC75854		IC	1	
Q956	YEANFP1F3PT1		Transistor	1	
Q957	YEANC144EUKT		Transistor	1	
Q958	YEANFP1F3PT1		Transistor	1	
Q959	YEANC144EUKT		Transistor	1	
Q960	YEANFMC5KTX		Transistor	1	

CQ-RD555/575/595LEN

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
DISPLAY BLOCK < CQ-RD575LEN/CQ-RD595LEN only >					
[E8117A]					
IC901	YEAMLC75854		IC	1	
IC921	YEAMSBX8025F		IC	1	
IC951	YEAMISD1420		IC	1	
IC952	YEAMPD4053BG		IC	1	
IC953	YEAMPD4013T2		IC	1	
Q953	YEANFN3L4ZT1		Transistor	1	
Q954	YEANC114EUKT		Transistor	1	
Q955	YEANC4081SKT		Transistor	1	
Q956	YEANFP1F3PT1		Transistor	1	
Q957	YEANC144EUKT		Transistor	1	
Q958	YEANFP1F3PT1		Transistor	1	
Q959, 960	YEANC144EUKT		Transistor	2	
Q961	YEANA144EUKT		Transistor	1	
DIODES					
MAIN BLOCK					
[E6565A]					
D70	YEARDR51M2T1		Diode	1	
D250	MA151KTX		Diode	1	
D280 to 283	YEADSR1544TL		Diode	4	
D284 to 287	YEADSR1544TL		Diode	4	CQ-RD575/595LEN
D380 to 383	YEADSR1544TL		Diode	4	
D384 to 387	YEADSR1544TL		Diode	4	CQ-RD575/595LEN
D600	LN25RP		LED	1	
D601	YEADAN202KTX		Diode	1	
D602	MA8056LMHTX		Diode	1	CQ-RD575/595LEN
D603	MA729TX		Diode	1	CQ-RD575/595LEN
D604	MA729TX		Diode	1	
D605	MA151KTX		Diode	1	
D701	YEADDAM3MA47		Diode	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
D702	YEADSR1544TL		Diode	1	
D703, 704	MA151KTX		Diode	2	
D705	YEARDR56M3T1		Diode	1	
D706	MA729TX		Diode	1	
D707	YEARDR82M2T1		Diode	1	
D708	MA721TX		Diode	1	CQ-RD595LEN
D709	YEARDR56M3T1		Diode	1	
D710	MA729TX		Diode	1	
D711	YEARDR91M2T1		Diode	1	
D712	MA736TX		Diode	1	
DISPLAY BLOCK < CQ-RD555LEN only >					
[E8157A]					
D901 to 904	MA8056LMHTX		Diode	4	
D908	LN1271RAL		LED	1	
D909	MA8056LMHTX		Diode	1	
D920, 922	LN1871R		LED	2	
D923, 925	LN1371G63U		LED	2	
D926, 927	LN1871R		LED	2	
D928, 929	LN1371G63U		LED	2	
D930, 931	LN1871R		LED	2	
D932, 933	LN1371G63U		LED	2	
D934, 935	LN1871R		LED	2	
D936, 937	LN1371G63U		LED	2	
D938, 939	LN1871R		LED	2	
D940, 941	LN1371G63U		LED	2	
D942, 943	LN1871R		LED	2	
D944, 945	LN1371G63U		LED	2	
D946, 947	LN1871R		LED	2	
D948, 949	LN1371G63U		LED	2	
D957	YEADAN202UKT		Diode	1	
D961	LN1871R		LED	1	
D963	LN1371G63U		LED	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
D964, 965	LN1871R		LED	2	
D966, 967	LN1371G63U		LED	2	
D972	LN1871R		LED	1	
D973	LN1371G63U		LED	1	
D974	LN1871R		LED	1	
D975	LN1371G63U		LED	1	
D976, 977	LN1871R		LED	2	
D978 to 980	LN1371G63U		LED	3	
D981	LN1871R		LED	1	
DISPLAY BLOCK <CQ-RD575LEN/CQ-RD595LEN only>					
[E8117A]					
D901 to 907	MA8056LMHTX		Diode	7	
D908	LN1271RAL		LED	1	
D909 to 911	MA8056LMHTX		Diode	3	
D920, 922	LN1871R		LED	2	
D923, 925	LN1371G63U		LED	2	
D926, 927	LN1871R		LED	2	
D928, 929	LN1371G63U		LED	2	
D930, 931	LN1871R		LED	2	
D932, 933	LN1371G63U		LED	2	
D934, 935	LN1871R		LED	2	
D936, 937	LN1371G63U		LED	2	
D938, 939	LN1871R		LED	2	
D940, 941	LN1371G63U		LED	2	
D942, 943	LN1871R		LED	2	
D944, 945	LN1371G63U		LED	2	
D946, 947	LN1871R		LED	2	
D948, 949	LN1371G63U		LED	2	
D951	YEADBR2434D		LED	1	
D952	YEADAP202UKT		Diode	1	
D953	YEADAN202UKT		Diode	1	
D954	MA8056LMHTX		Diode	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
D956, 957	YEADAN202UKT		Diode	2	
D960, 961	LN1871R		LED	2	
D962, 963	LN1371G63U		LED	2	
D964, 965	LN1871R		LED	2	
D966, 967	LN1371G63U		LED	2	
D972	LN1871R		LED	1	
D973	LN1371G63U		LED	1	
D974	LN1871R		LED	1	
D975	LN1371G63U		LED	1	
D976, 977	LN1871R		LED	2	
D978, 979	LN1371G63U		LED	2	

CAPACITORS

MAIN BLOCK

[E6565A]

C51	YECUS1H050CM		Ceramic, 5PF 50WV	1	
C52 to 54	YECUS1H103KX		Ceramic, 0.01MFD 50WV	3	
C55	ECEA1CK470I		Electrolytic, 47MFD 16WV	1	
C56, 58	YECUS1H103KX		Ceramic, 0.01MFD 50WV	2	
C59	ECEA1CK470I		Electrolytic, 47MFD 16WV	1	
C61, 62	YECUS1H392KX		Ceramic, 0.0039MFD 50WV	2	
C64, 69	YECUS1H103KX		Ceramic, 0.01MFD 50WV	2	
C70	YECUS1H331JM		Ceramic, 330PF 50WV	1	
C71	YECUS1H271JM		Ceramic, 270PF 50WV	1	
C72	ECA1CSA100I		Electrolytic, 10MFD 16WV	1	
C73	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C74, 75	YECUS1H270JM		Ceramic, 27PF 50WV	2	
C76	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1	
C77	ECA1CSA470I		Electrolytic, 47MFD 16WV	1	
C78, 79	YECUS1E273KX		Ceramic, 0.027MFD 25WV	2	
C80	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C81	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1	

MODELS CQ-RD555LEN/CQ-RD575LEN/CQ-RD595LEN

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks	Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
C82	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1		C270	ECA1CSA470I		Electrolytic, 47MFD 16WV	1	
C83	ECA1HSAR47I		Electrolytic, 0.47MFD 50WV	1		C271	ECA1HSA010I		Electrolytic, 1MFD 50WV	1	
C84	YECUS1E473KX		Ceramic, 0.047MFD 25WV	1		C273	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C85	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1		C275	ECEA1EKS4R7I		Electrolytic, 4.7MFD 25WV	1	CQ-RD595LEN
C201, 202	YECUS1H331JM		Ceramic, 330PF 50WV	2		C280, 281	YECUS1H102KX		Ceramic, 0.001MFD 50WV	2	
C203	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1		C282 to 285	ECQV1H104JM3		Plastic Film, 0.1MFD 50WV	4	
C204	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1		C290	ECA1CM472		Electrolytic, 4700MFD 16WV	1	
C209	YECUS1H152KX		Ceramic, 0.0015MFD 50WV	1		C291	ECEA1CK100I		Electrolytic, 10MFD 16WV	1	
C210	ECA1HSA3R3I		Electrolytic, 3.3MFD 50WV	1		C292	YECUS1H101JM		Ceramic, 100PF 50WV	1	
C211	ECA1CSA100I		Electrolytic, 10MFD 16WV	1		C293, 297	YECUS1C104KX		Ceramic, 0.1MFD 16WV	2	
C212	ECA1HSA3R3I		Electrolytic, 3.3MFD 50WV	1		C298	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C213	ECEA1VK3R3I		Electrolytic, 3.3MFD 35WV	1		C301, 302	YECUS1H331JM		Ceramic, 330PF 50WV	2	
C214	YECUS1H102KX		Ceramic, 0.001MFD 50WV	1		C303	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C215	ECA1CSA100I		Electrolytic, 10MFD 16WV	1		C304	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1	
C216	YECUS1C224KX		Ceramic, 0.22MFD 16WV	1		C309	YECUS1H152KX		Ceramic, 0.0015MFD 50WV	1	
C217	YECUS1E333KX		Ceramic, 0.033MFD 25WV	1		C310	ECA1HSA3R3I		Electrolytic, 3.3MFD 50WV	1	
C218	YECUS1H562KX		Ceramic, 0.0056MFD 50WV	1		C311	ECA1CSA100I		Electrolytic, 10MFD 16WV	1	
C219, 220	ECA1HSA3R3I		Electrolytic, 3.3MFD 50WV	2		C312	ECA1HSA3R3I		Electrolytic, 3.3MFD 50WV	1	
C221, 222	YECUS1C104KX		Ceramic, 0.1MFD 16WV	2		C313	ECEA1VK3R3I		Electrolytic, 3.3MFD 35WV	1	
C223	YECUS1H562KX		Ceramic, 0.0056MFD 50WV	1		C314	YECUS1H102KX		Ceramic, 0.001MFD 50WV	1	
C225	ECA0JSA101I		Electrolytic, 100MFD 6.3WV	1		C315	ECA1CSA100I		Electrolytic, 10MFD 16WV	1	
C226	ECA1HSAR33I		Electrolytic, 0.33MFD 50WV	1		C316	YECUS1C224KX		Ceramic, 0.22MFD 16WV	1	
C251	ECA0JSA101I		Electrolytic, 100MFD 6.3WV	1		C317	YECUS1E333KX		Ceramic, 0.033MFD 25WV	1	
C252	ECA1CSA470I		Electrolytic, 47MFD 16WV	1	CQ-RD555LEN	C318	YECUS1H562KX		Ceramic, 0.0056MFD 50WV	1	
	ECA1CSA100I		Electrolytic, 10MFD 16WV	1	CQ-RD575/595LEN	C319, 320	ECA1HSA3R3I		Electrolytic, 3.3MFD 50WV	2	
C254	ECA1CSA100I		Electrolytic, 10MFD 16WV	1	CQ-RD595LEN	C321, 322	YECUS1C104KX		Ceramic, 0.1MFD 16WV	2	
C255	ECA1CSA470I		Electrolytic, 47MFD 16WV	1		C323	YECUS1H562KX		Ceramic, 0.0056MFD 50WV	1	
C256	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1		C325	ECA0JSA101I		Electrolytic, 100MFD 6.3WV	1	
C260, 261	ECA0JSA220I		Electrolytic, 22MFD 6.3WV	2	CQ-RD595LEN	C326	ECA1HSAR33I		Electrolytic, 0.33MFD 50WV	1	
C262 to 265	ECA1CSA100I		Electrolytic, 10MFD 16WV	4	CQ-RD595LEN	C380, 381	YECUS1H102KX		Ceramic, 0.001MFD 50WV	2	
C266	ECA1HSA3R3I		Electrolytic, 3.3MFD 50WV	1	CQ-RD595LEN	C382 to 385	ECQV1H104JM3		Plastic Film, 0.1MFD 50WV	4	
C267	YECUS1E273KX		Ceramic, 0.027MFD 25WV	1	CQ-RD595LEN	C401, 402	YECUS1H150JM		Ceramic, 15PF 50WV	2	
C268	YECUS1C683KX		Ceramic, 0.068MFD 16WV	1	CQ-RD595LEN	C403	ECEA0JU101I		Electrolytic, 100MFD 6.3WV	1	
C269	YECUS1H392KX		Ceramic, 0.0039MFD 50WV	1	CQ-RD595LEN	C404, 405	YECUS1H103KX		Ceramic, 0.01MFD 50WV	2	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks	Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
C411	YECUS1E223KX		Ceramic, 0.022MFD 25WV	1		C713	ECA1CSA100I		Electrolytic, 10MFD 16WV	1	
C412, 414	ECQV1H124JM3		Plastic Film, 0.12MFD 50WV	2		C801, 802	ECA1CSA470I		Electrolytic, 47MFD 16WV	2	
C415	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1		C803, 804	YECUS1E104ZF		Ceramic, 0.1MFD 25WV	2	
C416	ECEA1AU471B		Electrolytic, 470MFD 10WV	1		C808	YECUS1E104ZF		Ceramic, 0.1MFD 25WV	1	
C417	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1		C810	YECUS1H103ZF		Ceramic, 0.01MFD 50WV	1	
C601, 602	YECUS1H150JM		Ceramic, 15PF 50WV	2		C811 to 813	YECUS1H222JX		Ceramic, 0.0022MFD 50WV	3	CQ-RD575/595LEN
C603	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1		C814	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1	
C604	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1		C815	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1	CQ-RD575/595LEN
C605, 606	ECA0JSA101I		Electrolytic, 100MFD 6.3WV	2		C816	ECA1HSA010I		Electrolytic, 1MFD 50WV	1	
C607	EECS5R5T473		Electrolytic, 0.047FD 5.5WV	1		C817 to 819	YECUS1H222JX		Ceramic, 0.0022MFD 50WV	3	CQ-RD575/595LEN
C610	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1		C820	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1	
C611	YECUS1H101JM		Ceramic, 100PF 50WV	1		C821	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1	CQ-RD575/595LEN
C612	YECUS1H680JM		Ceramic, 68PF 50WV	1		C822	YECUS1H123KX		Ceramic, 0.012MFD 50WV	1	
C613	ECA1HSA010I		Electrolytic, 1MFD 50WV	1		C823	YECUS1C154KX		Ceramic, 0.15MFD 16WV	1	
C614	YECUS1H103ZF		Ceramic, 0.01MFD 50WV	1	CQ-RD575/595LEN	C824	YECUS1H153KX		Ceramic, 0.015MFD 50WV	1	
C615, 650	YECUS1H103KX		Ceramic, 0.01MFD 50WV	2		C825, 826	ECA1CSA470I		Electrolytic, 47MFD 16WV	2	
C670, 671	YECUS1H220JM		Ceramic, 22PF 50WV	2	CQ-RD575/595LEN	C827	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C672	ECA0JSA220I		Electrolytic, 22MFD 6.3WV	1	CQ-RD575/595LEN	CS701	YECCL55S222T		Noise Filter, 2200PF 100WV	1	
C673	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1							
C674, 675	YECUS1C104KX		Ceramic, 0.1MFD 16WV	2	CQ-RD575/595LEN						
C676	ECA1HSA010I		Electrolytic, 1MFD 50WV	1	CQ-RD575/595LEN	DISPLAY BLOCK < CQ-RD555LEN only >					
C677, 678	YECUS1H103KX		Ceramic, 0.01MFD 50WV	2		[E8157A]					
C680	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1		C901	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1	
C681, 683	YECUS1H271JM		Ceramic, 270PF 50WV	2		C911	YECUS1H681JM		Ceramic, 680PF 50WV	1	
C684	YECUS1C224KX		Ceramic, 0.22MFD 16WV	1	CQ-RD575/595LEN	C913, 914	YECUS1C104KX		Ceramic, 0.1MFD 16WV	2	
C701	ECA1CSA100I		Electrolytic, 10MFD 16WV	1							
C702	ECA1HSA010I		Electrolytic, 1MFD 50WV	1							
C703, 704	ECA1CSA100I		Electrolytic, 10MFD 16WV	2		DISPLAY BLOCK < CQ-RD575LEN/CQ-RD595LEN only >					
C705	ECEA1CU471B		Electrolytic, 470MFD 16WV	1	CQ-RD555LEN	[E8117A]					
	ECEA1CU102B		Electrolytic, 1000MFD 16WV	1	CQ-RD575/595LEN	C901	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1	
C706	ECEA1CK470I		Electrolytic, 47MFD 16WV	1		C911	YECUS1H681JM		Ceramic, 680PF 50WV	1	
C707 to 709	YECUS1E104ZF		Ceramic, 0.1MFD 25WV	3		C913, 914	YECUS1C104KX		Ceramic, 0.1MFD 16WV	2	
C710, 711	YECUS1H103KX		Ceramic, 0.01MFD 50WV	2		C922	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C712	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1		C951	ECSH1CY105CR		Tantalum, 1MFD 16WV	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks	Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
C952 to 954	YECUS1C104KX		Ceramic, 0.1MFD 16WV	3		R204	ERJ6GEYJ123		Chip, 12k ohms 0.1W	1	
C955	ECSH1AX106CR		Tantalum, 10MFD 10WV	1		R205	ERJ6GEYJ334		Chip, 330k ohms 0.1W	1	
C956	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1		R206	ERJ6GEYJ183		Chip, 18k ohms 0.1W	1	
C957	ECSH0JY475CR		Tantalum, 4.7MFD 6.3WV	1		R210, 211	ERJ6GEYJ392		Chip, 3.9k ohms 0.1W	2	
C958	ECSH1CY225CR		Tantalum, 2.2MFD 16WV	1		R212	ERJ6GEYJ472		Chip, 4.7k ohms 0.1W	1	
C959, 960	YECUS1H103KX		Ceramic, 0.01MFD 50WV	2		R213	ERJ6GEYJ682		Chip, 6.8k ohms 0.1W	1	
C961	ECSH1AY225CR		Tantalum, 2.2MFD 10WV	1		R214, 215	ERJ6GEYJ181		Chip, 180 ohms 0.1W	2	
C962	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1		R217	ERJ6GEYJ822		Chip, 8.2k ohms 0.1W	1	
						R218	ERJ6GEYJ392		Chip, 3.9k ohms 0.1W	1	
						R220	ERJ6GEYJ433		Chip, 43k ohms 0.1W	1	
						R221	ERJ6GEYJ683		Chip, 68k ohms 0.1W	1	
						R222	ERJ6GEYJ153		Chip, 15k ohms 0.1W	1	
						R223	ERJ6GEYJ123		Chip, 12k ohms 0.1W	1	
						R224	ERJ6GEYJ333		Chip, 33k ohms 0.1W	1	
						R225	ERJ6GEYJ562		Chip, 5.6k ohms 0.1W	1	
						R226	ERJ6GEYJ332		Chip, 3.3k ohms 0.1W	1	
						R227 to 229	ERJ6GEYJ103		Chip, 10k ohms 0.1W	3	
						R230	ERJ6GEYJ273		Chip, 27k ohms 0.1W	1	
						R240	ERJ6GEYJ104		Chip, 100k ohms 0.1W	1	CQ-RD575/595LEN
						R241	ERJ6GEYJ104		Chip, 100k ohms 0.1W	1	CQ-RD595LEN
						R250	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	
						R260, 261	ERJ6GEYJ223		Chip, 22k ohms 0.1W	2	CQ-RD595LEN
						R262	ERJ6GEYJ561		Chip, 560 ohms 0.1W	1	CQ-RD595LEN
						R263	ERJ6GEYJ392		Chip, 3.9k ohms 0.1W	1	CQ-RD595LEN
						R264	ERJ6GEYJ103		Chip, 10k ohms 0.1W	1	CQ-RD595LEN
						R265 to 267	ERJ6GEYJ104		Chip, 100k ohms 0.1W	3	CQ-RD595LEN
						R268	ERJ6GEYJ181		Chip, 180 ohms 0.1W	1	CQ-RD595LEN
						R269	ERJ6GEYJ272		Chip, 2.7k ohms 0.1W	1	CQ-RD595LEN
						R270	ERJ6GEYJ822		Chip, 8.2k ohms 0.1W	1	
						R271	ERJ6GEYJ103		Chip, 10k ohms 0.1W	1	
						R272	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	
						R273	ERJ6GEYJ393		Chip, 39k ohms 0.1W	1	
						R275	ERJ6GEYJ272		Chip, 2.7k ohms 0.1W	1	CQ-RD595LEN
						R280	ERJ6GEYJ272		Chip, 2.7k ohms 0.1W	1	
RESISTORS											
MAIN BLOCK											
[E6565A]											
R51	ERJ6GEYJ221		Chip, 220 ohms 0.1W	1							
R52	ERJ6GEYJ183		Chip, 18k ohms 0.1W	1							
R53, 54	ERJ6GEYJ560		Chip, 56 ohms 0.1W	2							
R56, 57	ERJ6GEYJ102		Chip, 1k ohms 0.1W	2							
R58, 59	ERJ6GEYJ473		Chip, 47k ohms 0.1W	2							
R61	ERJ6GEYJ472		Chip, 4.7k ohms 0.1W	1							
R63, 64	ERJ6GEYJ473		Chip, 47k ohms 0.1W	2							
R65	ERJ6GEYJ223		Chip, 22k ohms 0.1W	1							
R68, 69	ERJ6GEYJ472		Chip, 4.7k ohms 0.1W	2							
R70	ERJ6GEYJ334		Chip, 330k ohms 0.1W	1							
R71	ERJ6GEYJ682		Chip, 6.8k ohms 0.1W	1							
R72	ERJ6GEYJ221		Chip, 220 ohms 0.1W	1							
R73	ERJ6GEYJ225		Chip, 2.2M ohms 0.1W	1							
R74	ERJ6GEYJ682		Chip, 6.8k ohms 0.1W	1							
R75	ERJ6GEYJ823		Chip, 82k ohms 0.1W	1							
R76	ERJ6GEYJ224		Chip, 220k ohms 0.1W	1							
R77	ERJ6GEYJ473		Chip, 47k ohms 0.1W	1							
R80, 81	ERJ6GEYJ103		Chip, 10k ohms 0.1W	2							
R201, 202	ERJ6GEYJ823		Chip, 82k ohms 0.1W	2							
R203	ERJ6GEYJ181		Chip, 180 ohms 0.1W	1							

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks	Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
R281	ERJ6GEYJ272		Chip, 2.7k ohms 0.1W	1		R407	ERJ6GEYJ561		Chip, 560 ohms 0.1W	1	
R282 to 285	ERJ8GEYJ2R2V		Chip, 2.2 ohms 0.13W	4		R409	ERJ6GEYJ222		Chip, 2.2k ohms 0.1W	1	
R286, 287	ERJ6GEYJ101		Chip, 100 ohms 0.1W	2		R410	ERJ6GEYJ472		Chip, 4.7k ohms 0.1W	1	
R288, 289	ERJ6GEYJ561		Chip, 560 ohms 0.1W	2		R600	ERJ6GEYJ184		Chip, 180k ohms 0.1W	1	
R301, 302	ERJ6GEYJ823		Chip, 82k ohms 0.1W	2		R601 to 604	ERJ6GEYJ102		Chip, 1k ohms 0.1W	4	
R303	ERJ6GEYJ181		Chip, 180 ohms 0.1W	1		R605	ERJ6GEYJ473		Chip, 47k ohms 0.1W	1	
R304	ERJ6GEYJ123		Chip, 12k ohms 0.1W	1		R606	ERJ6GEYJ681		Chip, 680 ohms 0.1W	1	
R305	ERJ6GEYJ334		Chip, 330k ohms 0.1W	1		R607	ERJ6GEYJ222		Chip, 2.2k ohms 0.1W	1	
R306	ERJ6GEYJ183		Chip, 18k ohms 0.1W	1		R608	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	
R310, 311	ERJ6GEYJ392		Chip, 3.9k ohms 0.1W	2		R609	ERJ6GEYJ473		Chip, 47k ohms 0.1W	1	CQ-RD555LEN
R312	ERJ6GEYJ472		Chip, 4.7k ohms 0.1W	1		R610	ERJ6GEYJ473		Chip, 47k ohms 0.1W	1	
R313	ERJ6GEYJ682		Chip, 6.8k ohms 0.1W	1		R612	ERJ6GEYJ823		Chip, 82k ohms 0.1W	1	
R314, 315	ERJ6GEYJ181		Chip, 180 ohms 0.1W	2		R613, 614	ERJ6GEYJ103		Chip, 10k ohms 0.1W	2	
R317	ERJ6GEYJ822		Chip, 8.2k ohms 0.1W	1		R615	ERJ6GEYJ222		Chip, 2.2k ohms 0.1W	1	
R318	ERJ6GEYJ392		Chip, 3.9k ohms 0.1W	1		R616	ERJ6GEYJ473		Chip, 47k ohms 0.1W	1	
R320	ERJ6GEYJ433		Chip, 43k ohms 0.1W	1		R617	ERJ6GEYJ223		Chip, 22k ohms 0.1W	1	
R321	ERJ6GEYJ683		Chip, 68k ohms 0.1W	1		R618	ERJ6GEYJ473		Chip, 47k ohms 0.1W	1	CQ-RD575/595LEN
R322	ERJ6GEYJ153		Chip, 15k ohms 0.1W	1		R619, 620	ERJ6GEYJ102		Chip, 1k ohms 0.1W	2	CQ-RD575/595LEN
R323	ERJ6GEYJ123		Chip, 12k ohms 0.1W	1		R621	ERJ6GEYJ4R7		Chip, 4.7 ohms 0.1W	1	CQ-RD575/595LEN
R324	ERJ6GEYJ333		Chip, 33k ohms 0.1W	1		R622	ERJ6GEYJ100		Chip, 10 ohms 0.1W	1	
R325	ERJ6GEYJ562		Chip, 5.6k ohms 0.1W	1		R623	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	CQ-RD575/595LEN
R326	ERJ6GEYJ332		Chip, 3.3k ohms 0.1W	1		R624 to 627	ERJ6GEYJ102		Chip, 1k ohms 0.1W	4	
R327 to 329	ERJ6GEYJ103		Chip, 10k ohms 0.1W	3		R628	ERJ6GEYJ184		Chip, 180k ohms 0.1W	1	CQ-RD575/595LEN
R330	ERJ6GEYJ273		Chip, 27k ohms 0.1W	1		R630	ERJ6GEYJ184		Chip, 180k ohms 0.1W	1	
R340	ERJ6GEYJ104		Chip, 100k ohms 0.1W	1	CQ-RD575/595LEN	R633	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	CQ-RD575/595LEN
R341	ERJ6GEYJ104		Chip, 100k ohms 0.1W	1	CQ-RD595LEN	R634	ERJ6GEYJ682		Chip, 6.8k ohms 0.1W	1	CQ-RD575/595LEN
R380, 381	ERJ6GEYJ272		Chip, 2.7k ohms 0.1W	2		R635, 636	ERJ6GEYJ104		Chip, 100k ohms 0.1W	2	CQ-RD575/595LEN
R382 to 385	ERJ8GEYJ2R2V		Chip, 2.2 ohms 0.13W	4		R638	ERJ6GEYJ333		Chip, 33k ohms 0.1W	1	
R386, 387	ERJ6GEYJ101		Chip, 100 ohms 0.1W	2		R639	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	
R388, 389	ERJ6GEYJ561		Chip, 560 ohms 0.1W	2		R645	ERJ6GEYJ473		Chip, 47k ohms 0.1W	1	CQ-RD575LEN
R401	ERJ6GEYJ152		Chip, 1.5k ohms 0.1W	1		R646	ERJ6GEYJ223		Chip, 22k ohms 0.1W	1	CQ-RD575LEN
R402	ERJ6GEYJ103		Chip, 10k ohms 0.1W	1		R647	ERJ6GEYJ473		Chip, 47k ohms 0.1W	1	CQ-RD575LEN
R404	ERJ6GEYJ101		Chip, 100 ohms 0.1W	1		R648	ERJ6GEYJ223		Chip, 22k ohms 0.1W	1	CQ-RD575LEN
R405	ERJ6GEYJ182		Chip, 1.8k ohms 0.1W	1		R653 to 656	ERJ6GEYJ104		Chip, 100k ohms 0.1W	4	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
R930	ERJ6GEYJ471		Chip, 470 ohms 0.1W	1	
R931	ERJ8GEYJ391V		Chip, 390 ohms 0.13W	1	
R932	ERJ6GEYJ471		Chip, 470 ohms 0.1W	1	
R933	ERJ6GEYJ391		Chip, 390 ohms 0.1W	1	
R936	ERJ6GEYJ271		Chip, 270 ohms 0.1W	1	
R937	ERJ6GEYJ221		Chip, 220 ohms 0.1W	1	
R942	ERJ6GEYJ271		Chip, 270 ohms 0.1W	1	
R943	ERJ6GEYJ221		Chip, 220 ohms 0.1W	1	
DISPLAY BLOCK < CQ-RD575LEN/CQ-RD595LEN only >					
[E8117A]					
R902 to 904	ERJ6GEYJ102		Chip, 1k ohms 0.1W	3	
R905	ERJ6GEYJ103		Chip, 10k ohms 0.1W	1	
R906	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	
R907	ERJ6GEYJ561		Chip, 560 ohms 0.1W	1	
R908	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	
R915	ERJ6GEYJ473		Chip, 47k ohms 0.1W	1	
R920	ERJ8GEYJ391V		Chip, 390 ohms 0.13W	1	
R921	ERJ6GEYJ391		Chip, 390 ohms 0.1W	1	
R924 to 929	ERJ6GEYJ221		Chip, 220 ohms 0.1W	6	
R930	ERJ6GEYJ391		Chip, 390 ohms 0.1W	1	
R931	ERJ8GEYJ391V		Chip, 390 ohms 0.13W	1	
R932 to 935	ERJ6GEYJ391		Chip, 390 ohms 0.1W	4	
R936, 937	ERJ6GEYJ221		Chip, 220 ohms 0.1W	2	
R942, 943	ERJ6GEYJ391		Chip, 390 ohms 0.1W	2	
R951	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	
R952	ERJ6GEYJ104		Chip, 100k ohms 0.1W	1	
R953	ERJ6GEYJ392		Chip, 3.9k ohms 0.1W	1	
R954	ERJ6GEYJ103		Chip, 10k ohms 0.1W	1	
R955, 956	ERJ6GEYJ472		Chip, 4.7k ohms 0.1W	2	
R957	ERJ6GEYJ474		Chip, 470k ohms 0.1W	1	
R958	ERJ6GEYJ183		Chip, 18k ohms 0.1W	1	
R959	ERJ6GEYJ104		Chip, 100k ohms 0.1W	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
R960	ERJ6GEYJ473		Chip, 47k ohms 0.1W	1	
R962	ERJ6GEYJ564		Chip, 560k ohms 0.1W	1	
R963	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	
R965	ERJ6GEYJ103		Chip, 10k ohms 0.1W	1	
CONNECTORS					
MAIN BLOCK					
[E6565A]					
AJ2	YEAE012351		Connector, 7P	1	
AJ3	YEAE012338		Connector, 5P	1	
CN250	YEAE012386		Connector, 1P RCA Cord	1	CQ-RD595LEN
CN251	YEAE012173		Connector, 2P RCA Cord	1	
CN300	YEAE02166		Connector, 4P RCA Cord	1	
CN360	YEAE02175		Connector, 3P	1	
CN370	YEAE911003LS		Connector, 3P	1	
CN601	YEAETSCP11XA		Connector, 11P	1	
CN602	YEAE0107MX		Connector, 7P	1	CQ-RD555LEN
	YEAE0112MX		Connector, 12P	1	CQ-RD575/595LEN
CN680	YEAE012307		Connector, 8P DIN	1	
CN701	YEAE012194		Connector, 16P	1	
CN800	YEAESLW05S1		Connector, 5P	1	
CN801	YEAE5220710		Connector, 10P	1	
CN802	YEAESLW07S1		Connector, 7P	1	
CN803	YEAE0112MX		Connector, 12P	1	
CN900	YEAE012298		Connector, 12P	1	
CP370	YEAE603303AS		Connector, 3P	1	
CP601	YEAETSCP11P		Connector, 11P	1	
CP602	YEAE0107MPA		Connector, 7P	1	CQ-RD555LEN
	YEAE0112MPA		Connector, 12P	1	CQ-RD575/595LEN
CP803	YEAE0112MPA		Connector, 12P	1	

CQ-RD555/575/595LEN

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
DISPLAY BLOCK < CQ-RD555LEN only >					
[E8157A]					
CN901	YEAE012282		Connector, 12P	1	
DISPLAY BLOCK < CQ-RD575LEN/CQ-RD595LEN only >					
[E8117A]					
CN901	YEAE012282		Connector, 12P	1	
SWITCHES					
SW600	YEAS07174		Switch	1	
SW901	EVQPJX05M		Switch	1	
SW902	EVQPJX05M		Switch	1	CQ-RD555LEN
SW903 to 921	EVQPJX05M		Switch	19	
SW922	EVQPJX05M		Switch	1	CQ-RD555LEN
SW951, 952	EVQPJX05M		Switch	2	CQ-RD575/595LEN
CRYSTALS					
XL70	YEXL49U0433T		Crystal OSC	1	
XL400	YEXL49U072TA		Crystal OSC	1	
XL600	YEXL49U0419T		Crystal OSC	1	
COILS					
L100	YELT03N330KT		Coil	1	
L200, 500	YELT03N101KT		Coil	2	
L600	YELT03N470KT		Coil	1	
L701	YETQ026F143		Coil	1	
LCD					
LCD901	YEXDCM1152A		LCD	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
VARIABLE RESISTORS					
VR201, 301	EVNDXAA00B14		Variable Resistor	2	
THERMISTOR					
PT701	YERT6AR4R7MT		Thermistor	1	
PRINTING					
	YEFM282389		Operating Instructions	1	
INSTALLATION PARTS					
1	YEFX0213629A		Mounting Collar	1	
2	XWG5FX		Plain Washer, 5mm	2	
3	XWA5BFX		Spring Washer, 5mm	2	
4	XNG5AFX		Hex. Nut, 5mm	2	
5	YEFG04019		Rear Support Strap	1	
6	XVG5C25FX		Hex. Bolt, 5mm x 25mm	1	
7	XWC5CFX		Toothed Lock Washer, 5mm	1	
8	YEVJ01060		Mounting Bolt, 5mm x 8mm	1	
10	YEAJ02728		Power Connector	1	
11	YEFA131141		Removable Face Plate Case	1	
12	YEFX9991407		Wireless Remocon	1	CQ-RD595LEN
MISCELLANEOUS					
PL901, 902	YEAL01202		Pilot Lamp	2	
F1	XBA1C100NS1		Fuse, 10A	1	⚠
Z51	YEAL02007		Neon Lamp	1	
ANT51	YEAA10060		Antenna Receptacle	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks	Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
MIC951	WM-60AX111		Microphone	1	CQ-RD575/595LEN	27	(2-A) (3-A) YEFX0011614		Transparent Plate (R)	1	
1	(4-C) YEFA031354A		Upper Cover	1		28	XTB2 + 6GFZ		Screw, 2mm x 6mm	5	
2	(1-B) YEFA05594A		Bottom Cover	1		29	(1-A) YEFE134236		Button, PWR	1	
3	(2-B) YEFA07358		Front Plate	1		30	(1-A) YEFE134183		Button, ATT	1	
4	(3-C) YEFA08404BK		Rear Plate	1		31	(1-A) YEFE134185		Button, SEL	1	
5	(2-C) YEFA09485A		Side Plate	1		32	(1-A) YEFE134202		Button, RLSE	1	
6	(3-B) YEFF01796		Heat Sink	1		33	(1-C) YEFX0213648A		Bracket, IC253	1	
7	(1-A) YEFC05535		Trim Plate	1		34	(3-C) YEFX0213649A		Bracket, CN701	1	
8	(2-B) YEFC024583		Escutcheon Ass'y (Unit)	1	CQ-RD555LEN	35	(3-C) YEFX0213650		Bracket, RCA Connector	1	
	YEFC024656			1	CQ-RD575/595LEN	36	(2-B) YEFX0212830		Bracket, Q702	1	
9	(2-B) YEFA131190		Cover (Detucher)	1		37	(1-A) YEFK06688		Holder, LCD	1	
10	(1-A) YEFC024592		Escutcheon Ass'y (Detucher)	1	CQ-RD555LEN	38	(2-A) YEFK04542		Holder, , PL901, 902	1	
	YEFC024589			1	CQ-RD575LEN	39	(2-A) YEFK06670		Holder, MIC951	1	CQ-RD575/595LEN
	YEFC024585			1	CQ-RD595LEN	40	(1-A) YEFL02578		Spacer, IC921	1	CQ-RD575/595LEN
11	(2-A) (3-A) YEFC024590		Escutcheon	1	CQ-RD555LEN	41	(2-A) YEFR04140		Illumination Cap, PL902	1	
	YEFC024588			1	CQ-RD575LEN	42	(2-A) YEFR04449		Illumination Cap, PL901	1	
	YEFC024586			1	CQ-RD595LEN	43	(2-C) (3-C) YEFR04187		RCA Connector Cap	2	CQ-RD555/575LEN
12	(2-A) (3-A) YEFE134283		Button, TUNE/TRACK	1					3	CQ-RD595LEN	
13	(2-A) (3-A) YEFE134238		Button, VOL	1		44	(1-B) YEFV011636		Insulator	1	
14	(3-A) YEFE134239		Button, Preset 1,2,3	1		45	(1-A) YEFV021352		Optical Shade, LCD	1	
15	(3-A) YEFE134240		Button, PLAY	1	CQ-RD575/595LEN	46	(4-B) YEFV011695		Insulator	1	
16	(3-A) YEFE134193		Button, Preset HDB 4, 5	1	CQ-RD555LEN	47	(1-A) YEFX0213906		Bracket, LCD	1	
	YEFE134244		Button, Preset 4, 5	1	CQ-RD575/595LEN	48	(4-B) YEFX0213871		Bracket, Deck	1	
17	(2-A) (3-A) YEFE134287		Button, ILL/EJECT	1		49	(1-A) YEFX0052003		Spring	1	
18	(2-A) (3-A) YEFE134292		Button, TAPE/STOP/PRG	1		50	(1-A) YEFX0011615		Transparent Plate	1	
19	(3-A) YEFE134285		Button, REC	1	CQ-RD575/595LEN	51	(3-C) YEFX007596		Cord Clamp	1	
20	(2-B) (3-B) YEFE134289		Button, RDS	1		52	YEP0PT6565A0		PCB w/Component (RTL)	1	CQ-RD555LEN
21	(2-A) (3-A) YEFE134196		Button, BAND, AUX	1	CQ-RD555LEN		YEP0PT6565C0			1	CQ-RD575LEN
	YEFE134286		Button, BAND, AUX/CD.C	1	CQ-RD575/595LEN		YEP0PT6565B0			1	CQ-RD595LEN
22	(2-A) YEFE134195		Button, CD.C/DISP/CT	1	CQ-RD555LEN	53	(2-A) YEP0PT8157A0		PCB w/Component (RTL)	1	CQ-RD555LEN
23	(3-A) YEFJ011229		Ornament Plate	1	CQ-RD575/595LEN		YEP0PT8117A0			1	CQ-RD555/575LEN
24	(3-A) YEFX233475		Bottom Holder (L)	1		54	(1-B) (1-C) YEAT03420		Terminal	3	
25	(2-B) (3-B) YEFX233476		Bottom Holder (R)	1		55	CR2025/1F		Battery for Wireless Remocon	1	△ CQ-RD595LEN
26	(2-A) (3-A) YEFX0011613		Transparent Plate (L)	1		60	❖ XTB3 + 8GFX		Screw, 3mm x 8mm	1	

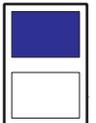
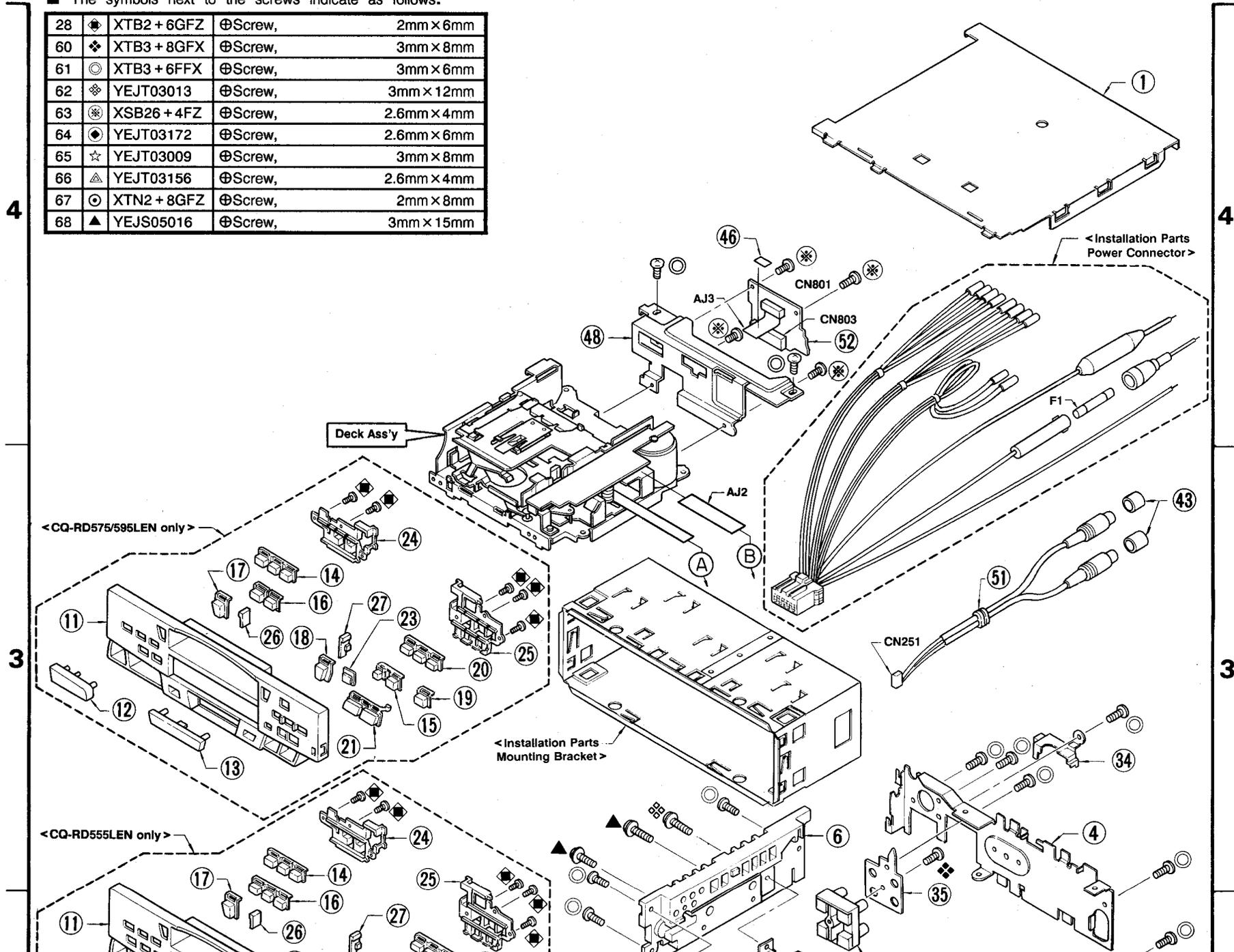
CQ-RD555/575/595LEN

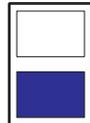
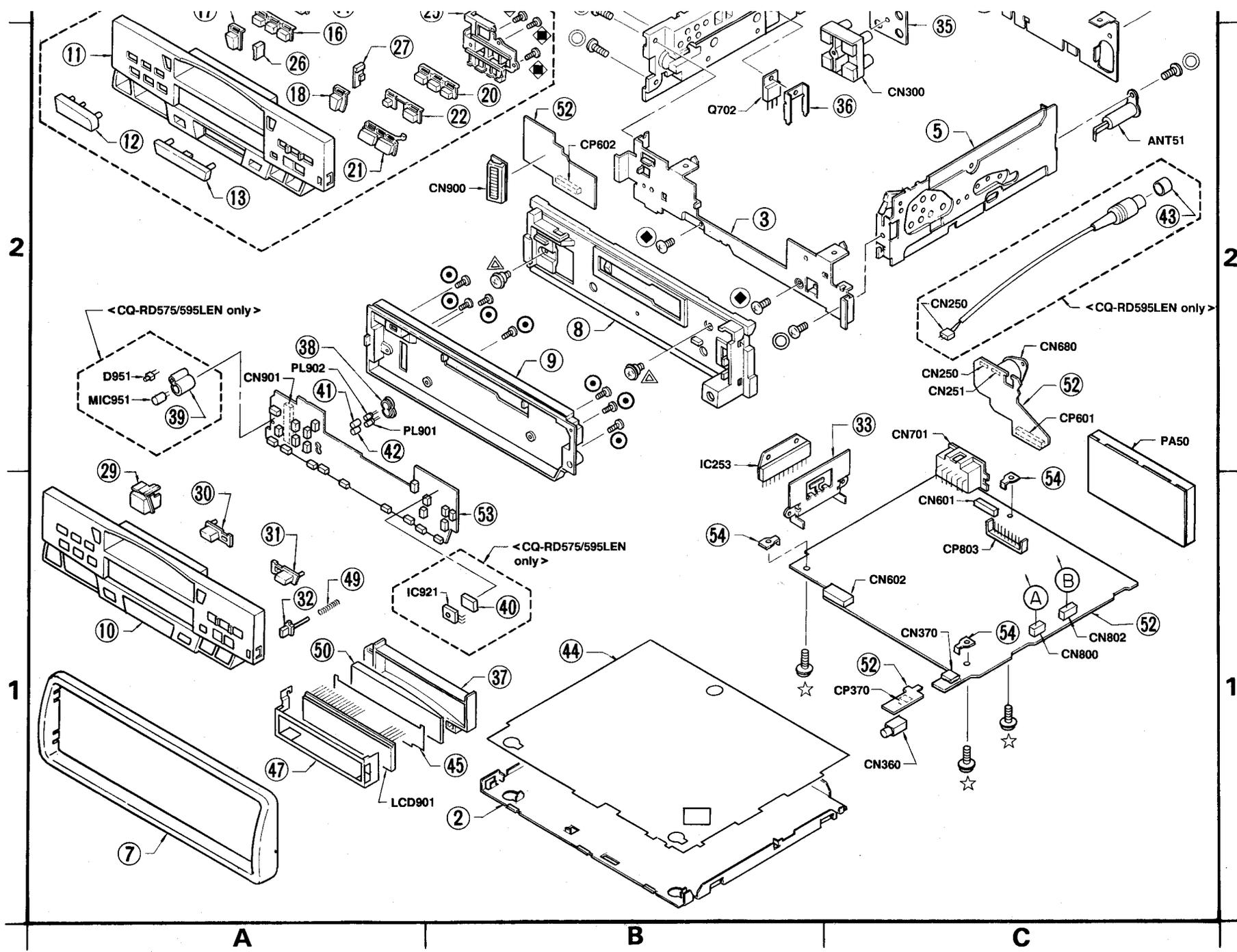
EXPLODED VIEW (UNIT) / AUFGELOÖTE DARSTELLUNGS (GANZES GERÄT)

■ Numbers in ○ are indicated REF.No. in the REPLACEMENT PARTS LIST

■ The symbols next to the screws indicate as follows.

28	◆	XTB2 + 6GFZ	⊕Screw,	2mm × 6mm
60	❖	XTB3 + 8GFX	⊕Screw,	3mm × 8mm
61	◎	XTB3 + 6FFX	⊕Screw,	3mm × 6mm
62	❖	YEJT03013	⊕Screw,	3mm × 12mm
63	⊗	XSB26 + 4FZ	⊕Screw,	2.6mm × 4mm
64	◆	YEJT03172	⊕Screw,	2.6mm × 6mm
65	☆	YEJT03009	⊕Screw,	3mm × 8mm
66	▲	YEJT03156	⊕Screw,	2.6mm × 4mm
67	◎	XTN2 + 8GFZ	⊕Screw,	2mm × 8mm
68	▲	YEJS05016	⊕Screw,	3mm × 15mm





Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
TAPE PLAYER PARTS					FD04721 95.5.18
DIODEs					
[E8098]					
TE1, 2	YEADRP1221		Photo Reflector	2	
CAPACITORS					
[E8100]					
D1	YEADEC10DS1		Diode	1	
RESISTORS					
[E8098]					
R1, 2	ERJ8GEYJ683V		Chip, 68k ohms 0.13W	2	
R3 to 6	ERJ8GEYJ472V		Chip, 4.7k ohms 0.13W	4	
R7, 8	ERJ8GEYJ821V		Chip, 820 ohms 0.13W	2	
CONNECTORS					
[E8098]					
CN2	YEAEO12406		Connector, 10P	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
SWITCHES					
[E8100]					
CN1	YEAEO12405		Connector, 7P	1	
MISCELLANEOUS					
1	(3-B) YEFA011549		Main Chassis Ass'y	1	
2	(4-B) YEFA011551		Head Chassis Ass'y	1	
3	(4-B) YEP9FZ2473		Head Ass'y	1	
4	(2-B) YEFR03083		Belt	1	
5	(3-B) YEFW05353		Shaft Collar	1	
6	(3-C) YEFX218286		Pinch Roller Ass'y(F)	1	
7	(3-A) YEFX218287		Pinch Roller Ass'y(R)	1	
8	(1-A) YEFX003748		Drive Gear(2)	1	
9	(3-C) YEFX239424		Cassette Guide Plate	1	
10	(4-A) YEFX0461685		Cassette Holder Ass'y(U)	1	
11	(1-A) YEFX003749		Drive Gear(3)	1	
12	(4-C) YEFX0461688		Lever	1	
13	(2-A) YEFX003750		Drive Gear(4)	1	
14	(4-C) YEFX0052021		Lever Spring	1	
15	(1-B) YEFX209268		Reel Ass'y(F)	1	
16	(4-A) YEFX0052016		Spring	1	
17	(2-B) YEFX0052018		Idler Plate Spring(1)	1	
18	(2-B) YEFX0052019		Idler Plate Spring(2)	1	
19	(4-A) YEFX0461687		Cassette Holder(L)	1	
20	(2-C) YEFX0052020		Pinch Roller Pressure Spring	1	

MODELS CQ-RD555LEN/CQ-RD575LEN/CQ-RD595LEN

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
21	(3-B)	YEFX0052022	Rack Return Spring	1	
22	(4-A)	YEFX0052043	Lock Plate Spring	1	
23	(3-A)	YEFX0052023	Rack Plate Spring	1	
24	(3-A)	YEFX003752	Rack Plate	1	
25	(1-B)	YEFX209269	Reel Ass'y(R)	1	
26	(1-B)	YEFX234182	Winding Cam(F)	1	
27	(2-C)	YEFX003754	Transit Gear	1	
28	(1-B)	YEFX234183	Winding Cam(R)	1	
29	(2-C)	YEFX003755	Program Change Gear	1	
30	(3-B)	YEFX003744	Idler Gear Plate Ass'y(F)	1	
31	(3-B)	YEFX003746	Idler Gear Plate Ass'y(R)	1	
32	(1-A)	YEFX030091	Thrust Bearing, worm gear	1	
33	(2-A) (2-C)	YEFX003753	Play Idler Gear	2	
34	(1-B)	YEFX0052015	Back Tension Spring	2	
35	(3-C)	YEP0FX2565	Main Motor Ass'y	1	
36	(1-A) (1-B)	YEP0FX2566	Drive Chasis Block	1	
37	(2-B)	YEFX213209	Flywheel	2	
38	(1-A)	YEP0FX2615S	Loading Motor Ass'y	1	
39	(4-C)	YEP0PT8100A0	PCB w/Component	1	RTL
40	(3-B)	XUC15V	Retaining Ring	1	
41	(3-B)	YEJE01022	Retaining Ring	2	
42	(1-B)	YEFX014040	Retaining Ring	2	
43		YEFX014041	Retaining Ring	6	
44	(3-A) (3-C)	YEJE01004	Retaining Ring	4	
45	(2-B) (3-B)	YEJW05134	Washer	4	
47	(2-B) (2-C)	YEJS06097A	Screw, 2mm x 2.5mm	2	
48	(4-B)	YEJT03064	Screw, 2mm x 5mm	2	
49	(1-A)	XSB2 + 3FX	Screw, 2mm x 4mm	1	
50		XSB26 + 4FX	Screw, 2.6mm x 4mm	4	
51	(2-B)	XSB26 + 3FX	Screw, 2.6mm x 3mm	1	
52	(1-A) (4-C)	XYN2 + C8FX	Screw, 2mm x 8mm	2	

EXPLODED VIEW (TAPE DECK) / AUFGELOTE DARSTELLUNGS (TONBAND GERÄT)

■ Numbers in ○ are indicated REF.No. in the REPLACEMENT PARTS LIST

