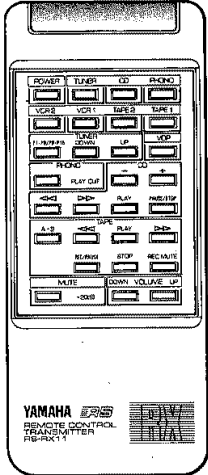
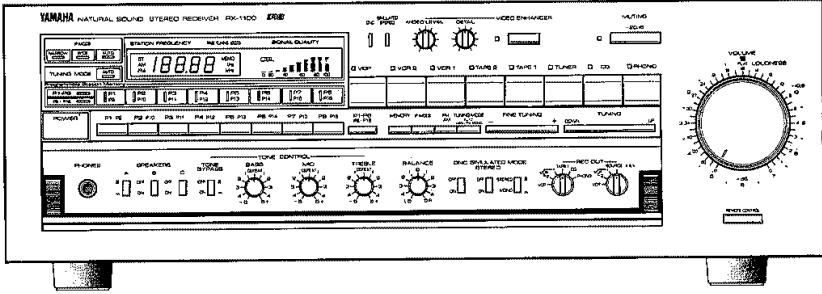


STEREO RECEIVER

RX-1100/U

SERVICE MANUAL

RX-1100



IMPORTANT NOTICE

This manual has been provided for the use of authorized Yamaha Retailers and their service personnel. It has been assumed that basic service procedures inherent to the industry, and more specifically Yamaha Products, are already known and understood by the users, and have therefore not been restated.

WARNING: Failure to follow appropriate service and safety procedures when servicing this product may result in personal injury, destruction of expensive components and failure of the product to perform as specified. For these reasons, we advise all Yamaha product owners that all service required should be performed by an authorized Yamaha Retailer or the appointed service representative.

IMPORTANT: The presentation or sale of this manual to any individual or firm does not constitute authorization, certification or recognition of any applicable technical capabilities, or establish a principle-agent relationship of any form.

The data provided is believed to be accurate and applicable to the unit(s) indicated on the cover. The research, engineering, and service departments of Yamaha are continually striving to improve Yamaha products. Modifications are, therefore, inevitable and specifications are subject to change without notice or obligation to retrofit. Should any discrepancy appear to exist, please contact the distributor's Service Division.

WARNING: Static discharges can destroy expensive components. Discharge any static electricity your body may have accumulated by grounding yourself to the ground buss in the unit (heavy gauge black wires connect to this buss).

IMPORTANT: Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.

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TO SERVICE PERSONNEL	1	IC BLOCK	13 ~ 16
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100091

■ SPECIFICATIONS

■ AUDIO SECTION

Minimum RMS Output Power per Channel 20Hz to 20kHz, 0.01% THD, 8Ω	120W 8Ω
Dynamic Power Per Channel (by IEC Dynamic Headroom measuring method)	180W 8Ω
Power Band Width 0.1% THD, 8Ω, 2.5W, 8Ω	10Hz ~ 50kHz
Damping Factor	60 or more
Input Sensitivity/Impedance Phono MC MM	160mV/220Ω 2.5mV/47kΩ
CD/TAPE/VDP/VCR	150mV/47kΩ 1V/2kΩ
Input Sensitivity (New IHF) Phono MC MM	14μV 0.22mV
CD/TAPE/VDP/VCR	1.34mV 110mV
Maximum Input Signal Level (1kHz, 0.01% THD) Phono MC MM	8mV 110mV
Output Level/Impedance Rec Out Pre Out	160mV/470Ω 1V/1kΩ
Maximum Voltage Output 20Hz to 20kHz, 0.01% THD	2.5V
Headphone Jack Power Output/Impedance 0.01% THD, 8Ω	0.91V/270Ω
Frequency Response (20Hz to 20kHz) CD/TAPE/VDP/VCR, MAIN IN	+0 -0.3dB
RIAA Equalization Deviation 30Hz to 20kHz Phono MC 20Hz to 20kHz Phono MM 10Hz to 100kHz Phono MM	-0.5dB -0.3dB -0.5dB
Total Harmonic Distortion (20Hz to 20kHz) Phono MC to Rec Out (5V) Phono MM (3V) CD/TAPE/VDP/VCR to Sp Out (62.5W/8Ω) VIDEO to Sp Out (62.5W/8Ω)	0.005% 0.003% 0.015% 0.02%
Intermediate Distortion CD/TAPE/VDP/VCR (Rated Output/8Ω)	0.01%
Signal to Noise Ratio (IHF-A Network) Phono MC (100μV Input Shorted) MM (5mV Input Shorted) CD/TAPE/VDP/VCR (Shorted) VIDEO (Shorted)	75dB 92dB 103dB 91dB
Signal to Noise Ratio (New IHF) Phono MC MM CD/TAPE/VDP/VCR	74.5dB 75dB 89dB
Residual Noise (IHF-A Network)	120μV
Channel Separation (1kHz, Vol. -30dB) Phono MC, MM Input Shorted CD/TAPE/VDP/VCR Input 5.1kΩ terminated	60dB 60dB 60dB
Total Control Characteristics BASS Boost/Out	±10dB (60Hz)
TREBLE Boost/Out	350Hz
MID Control Range	±10dB (20kHz)
Center Frequency	3.5kHz
Filter Characteristics Built-In Subsonic Filter	±12dB (1kHz) oct
Continuous Loadness Control (Level related equalization)	-40dB (1kHz)
Audio Muting	-20dB

■ VIDEO SECTION

Type	NTSC Standard
Horizontal Resolution	625 lines, 60 field
Video Input	1.0 Vrms, 75Ω, Unbalanced
Video Output	1.0 Vp-p, 75Ω, Unbalanced
Maximum Input Level	1.5 Vp-p, 75Ω, Unbalanced
Video Signal to Noise Ratio	52dB
Detail Control Level	0 to 44dB (1MHz)
Video Level Control	-3 to 13dB
FM SECTION	
Tuning Range	87.5 to 108MHz
50dB Quieting Sensitivity (HF), 75Ω	
Mono	1.5μV (14.8dB)
Stereo	20μV (27.8dB)
Usable Sensitivity (30dB S/N Quieting) 75Ω, 1kHz, 100% Mod.	0.75μV (8.3dB)
Image Response Ratio	40dB
IF Response Ratio	90dB
Spurious Response Ratio	70dB
Aft Suppression Ratio	55dB
Capture Ratio	1.34B
LOCAL DX	2.84B
Alternate Channel Selectivity	85dB
Signal to Noise Ratio (HF) Mono Stereo	85dB 81dB
Harmonic Distortion	
Mono	
100Hz	0.06%
1kHz	0.05%
10kHz	0.1%
Stereo	
100Hz	0.07%
1kHz	0.07%
5kHz	0.15%
Stereo Separation	
50Hz	45dB
1kHz	54dB
10kHz	45dB
Frequency Response	0 ± 0.5dB
30Hz to 15kHz	

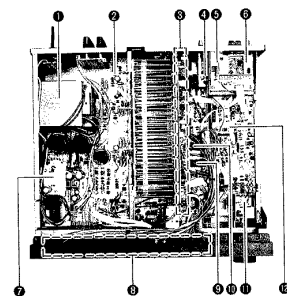
■ AM SECTION

Tuning Range	530 to 1820kHz
U, C models	831 to 1820kHz
A, R models	
Usable Sensitivity	290μV/m
Selectivity	74dB
Signal to Noise Ratio	50dB
Image Response Ratio	40dB
Spurious Response Ratio	50dB
Harmonic Distortion	0.3%
■ AUDIO SECTION	
Output Level/Impedance FM (100% Mod., 1kHz) AM (30% Mod., 400Hz)	500mV/2.8kΩ 150mV/2.8kΩ

■ GENERAL

Power Supply	U, C models A, R models
AC120V, 60Hz	
AC240V, 50Hz	
AC110/120/220/240V, 50/60Hz	
Power Consumption	U, C models A, R models
500W	
640W	
400W	
AC Outlet	Switched
60W max. (U, C, A) 100W max. (R) 200W max.	
Dimensions (W x H x D)	435 x 151 x 423 mm (17-1/8" x 5-15/16" x 16- 15/8")
Weight	12 kg (26 lbs. 7 oz.)
Specifications subject to change without notice.	
U.S.A. model	
C Canadian model	
A Australian model	
R General model	

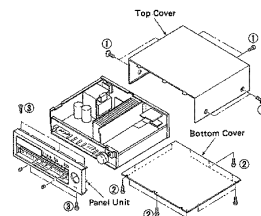
■ INTERNAL VIEW



- POWER TRANSFORMER
U.S.A. model: XC107001
Canadian model: XC109001
Australian model: XC108001
Other model: XC106001
- MAIN CIRCUIT BOARD (1)
- CONTROL CIRCUIT BOARD (2)
- MAIN CIRCUIT BOARD (7)
- MAIN CIRCUIT BOARD (8)
- FRONT END PACK
- MAIN CIRCUIT BOARD (3)
- KEY BOARD CIRCUIT BOARD
- PLL IC: LC7210
- CSL CONTROLLER IC: LC8510C-3232
- POTENTIOMETER WITH MOTOR
- CONTROL CIRCUIT BOARD (1)

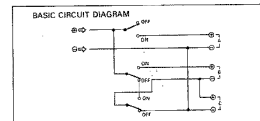
■ DISASSEMBLY PROCEDURES

1. Removal of Top Cover
Remove 6 screws (①) in Fig. 1, and Slide the Top Cover back and up.
2. Removal of Bottom Cover
Remove 10 screws (②) in Fig. 1.
3. Removal of Panel Unit
a. Remove the knobs.
b. Remove 5 screws (③) in Fig. 1, and pull the Panel Unit forward.



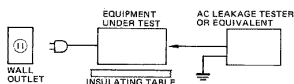
SPEAKER SELECTION SWITCHES

The B Speaker and C Speaker terminals are configured in series (please refer to the Basic Circuit Diagram). When using either the B or C Speaker terminals independently of the other, it is necessary that the terminals not being used are turned OFF with the front panel speaker selector switch.



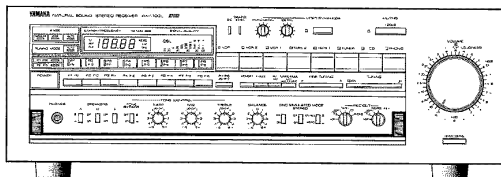
■ TO SERVICE PERSONNEL

1. Critical Components Information.
Components having special characteristics are marked Δ and must be replaced with parts having specifications equal to those originally installed.
2. Leakage Current Measurement (For 120V Model Only).
When service has been completed, it is imperative that you verify that all exposed conductive surfaces are properly insulated from supply circuits.
- Meter impedance should be equivalent to 1500 ohm shunted by 0.15μF.
- Leakage current must not exceed 0.5mA.
- Be sure to test for leakage with the AC plug in both polarities.
- POLARIZATION (U, C models only)
This tuner product is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only way. This is a safety feature.

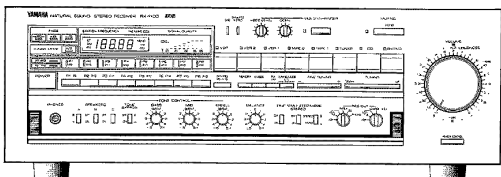


■ FRONT PANELS

▼ U, C models

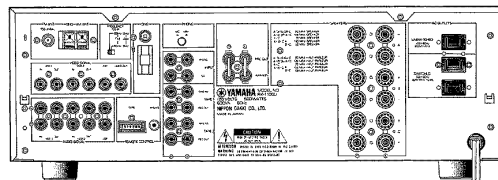


▼ A, R models

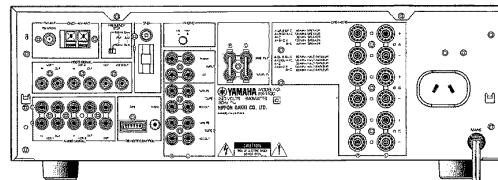


■ REAR PANELS

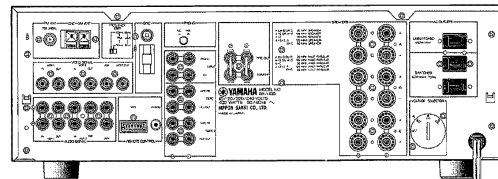
▼ U, C models



▼ A model



▼ R model



Step	Item to be Adjusted	Connection terminal	Instrument required	Adjustment locations	Adjustment method	Rating or standard	Remarks
6	Separation	300J FM ANT	FM SG, SSG 98MHz ± 1kHz 700µA (81.2dB), 3.16mV/75Ω STEREO L, R 1kHz, 100% MOD. REC OUT L, R ACVM L.P.F.	VRS02 (SEPARATION)	Reduce output level to minimum.	Separation more than 40dB	
6	Confirmation of Full-scale signal quality level	300J FM ANT	FM SG, SSG 98MHz ± 1kHz 700µA (81.2dB), 3.16mV/75Ω STEREO L, R 1kHz, 100% MOD.	SIGNAL QUALITY indicator	Confirm that all signal quality indicators light up.		Confirm that all signal quality indicators goes out at detuned point.
7	IF Offset	300J FM ANT	FM SG 98MHz ± 1kHz 700µA (81.2dB), 3.16mV/75Ω STEREO L, R 1kHz, 30% MOD. K4 ~ T6	VRS02 (IF OFFSET)	By shorting across terminals K4 and T6, the frequency display shifts 1 digit. Therefore, adjust VRS02 until 10kHz digit becomes 8 or 6.		After adjustment, scan across K4 and T6.
8	Confirmation of auto search reception	300J FM ANT	FM SG 98MHz ± 1kHz 2000µA (31.2dB), 10.0µV/75Ω MONO 1kHz 100% MOD.	TUNING key UP or DOWN	Confirm that auto search reception is possible with the tuning key.		Confirm that tuning is performed at auto reception.

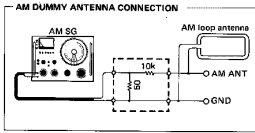
Note: X dBµ = X + 5.2dBµ

- Shorting K4 and T6 while set at FM will result in automatic memory of each preset from P1/P9 to P9/P16 as given in the right table. This is convenient when making an adjustment.

P1/P9	P2/P10	P3/P11	P4/P12	P5/P13
AM 630kHz	AM 1080kHz	FM 1440kHz	FM 87.5MHz	FM 95.1MHz
P6/P14	P7/P15	P8/P16		
FM 98.1MHz	FM 101.5MHz	FM 108.0MHz		

< AM TUNER SECTION >

- Connect the AM loop antenna to the AM ANT terminals.
- Connect the AM dummy antenna for adjustment.



Step	Item to be Adjusted	Connection terminal	Instrument required	Adjustment locations	Adjustment method	Rating or standard	Remarks
1	AM IFT	AM ANT	AM SG AM dummy antenna 630kHz ± 0.1kHz 500µA (61.2dB), 3.16µV/75Ω 400Hz, 30% MOD REC OUT ACVM	T602	Adjust T602 to maximize detector output.		
2	Confirmation of sensitivity	AM ANT	AM dummy antenna 630kHz ± 0.1kHz 1800µA ± 0.1kHz 14.0µV ± 0.1kHz 400Hz, 30% MOD REC OUT ACVM DET. M.	PRESET STATION key P1/P9, P2/P10, P3/P11	Obtain AM SG output level where distortion become 10%.	Less than 88dBµ	

Step	Item to be Adjusted	Connection terminal	Instrument required	Adjustment locations	Adjustment method	Rating or standard	Remarks
3	Confirmation Full-scale signal quality level	AM ANT	AM SG AM dummy antenna 1080kHz ± 0.1kHz 900µA (11.2dB), 3.16mV/75Ω 400Hz, 30% MOD	PRESET STATION key P2/P10	Confirm that all signal quality indicators light up.		
4	Confirmation of auto search reception	AM ANT	AM SG AM dummy antenna 1080kHz ± 0.1kHz 900µA (11.2dB), 3.16mV/75Ω 400Hz, 30% MOD	TUNING key UP or DOWN	Confirm the auto search reception with the tuning key.		

< DIGITAL CONTROL SECTION >

Step	Confirmation item	Connection terminal	Instrument required	Operation key	Confirmation method
1	Preset memory	300J FM ANT	FM SG, SSG 98MHz ± 1kHz 700µA (81.2dB), 3.16mV/75Ω STEREO L, R 1kHz, 100% MOD.	FUNCTION key TUNING MODE key TUNING key (UP or DOWN) MEMORY key PRESET STATION key P1/P9-P16	① Receive FM 98MHz by means of auto search. ② Set P1/P9 → P1/P9 indicator flashes about 5 seconds. ③ Press MEMORY key → MEMORY indicator flashes about 5 seconds. ④ Press P1 → MEMORY indicator goes OFF. P1 of PRESET STATION indicator lights. ⑤ Receive AM 1080kHz → MEMORY indicator flashes about 5 seconds. ⑥ Press MEMORY key → MEMORY indicator goes OFF. P2 of PRESET STATION indicator lights. ⑦ Press P2 → MEMORY indicator goes OFF. P2 of PRESET STATION indicator lights. ⑧ Press P1 and P2 and check that content is read out. → P1 and P2 of PRESET STATION indicator flashes. ⑨ Press P9 → MEMORY indicator goes OFF. P9-P16 indicator lights. ⑩ Press P9 → MEMORY indicator goes OFF. P9-P16 indicator lights. ⑪ Press P9 and check that content is read out.
2	Tuning mode	Same as step 1	Same as step 1	FUNCTION key TUNING MODE key TUNING key (UP or DOWN) PRESET STATION key P1, P2	Tune to FM 98MHz and AM 1080kHz, and check that when receiving MAN/L/MONO, FM reception become forced mode. TUNING MODE indicator → Goes out. ST indicator → lights up.
3	Fine Tuning	Same as step 1	Same as step 1	PRESET STATION key P1, P2 FINE TUNING key (← or →)	① Press P1 and content is read out (FM). ② Press FINE TUNING key → FINE TUNING indicator lights. ③ Press FINE TUNING key and check that content is read out. ④ Press P2 and content is read out (AM). ⑤ Press FINE TUNING key and check that content is read out.
4	Receiving Mode	AM ANT	AM SG AM dummy antenna	PRESET STATION key P1 RECEIVING MODE key	① Press P1 and content is read out (FM). ② Press RECEIVING MODE key → The following 3 states are switched and each indicator lights up. → AUTO → DX → LOCAL
5	Last channel memory			POWER key	① Read out P1. ② Turn OFF POWER key. ③ Turn ON POWER key after 5 seconds. ④ P1 content should come on. ⑤ P1 of PRESET STATION indicator lights.

ADJUSTMENTS

- 1. Before adjustment
- 1) After the power switch is pushed on, wait for 5 minutes before measuring, to be sure of the most stable operation.
- 2) Adjust the OSC coil and IFT with a nonferrous screw driver.
- 3) Set the switches to the following positions.

TUNING MODE AUTO

IF MODE AUTO

- 4) Proceed with the AM section adjustments after having finished the FM section adjustment.
- 5) 0dBµ = 1µV Ex: 68dBµ = 1mV

- 2. Measuring instruments abbreviation
- FM SG : FM signal generator
- SSG : Stereo signal generator
- AM SG : AM signal generator
- DIST. M : Distortion meter
- ACVM : AC voltmeter
- DCVM : DC voltmeter

< POWER SUPPLY CHECK >

Check that the following voltages are obtained respectively across each test point and ground.

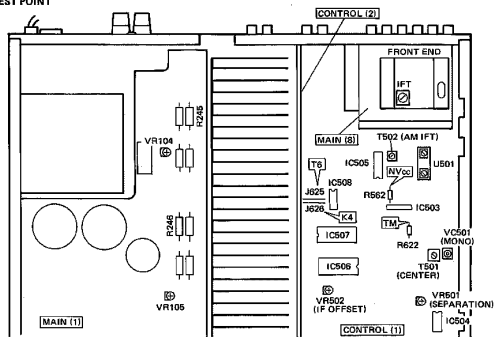
Test Point	Rating or Standard	Remark
Main Circuit	Q152 EMITTER +12V ± 1V	Make sure that AC line voltage comes within Models AC line voltage
Board	Q153 EMITTER -12V ± 1V	
	Q154 EMITTER +6.5V ± 1V	
Control Circuit	Q155 EMITTER +6.5V ± 1V	U. C 120V ± 10%
	Q560 EMITTER +6V ± 1V	A 240V ± 10%

IDLING CURRENT ADJUSTMENT

After the power has been turned on, age about 2 minutes in no signal and non-loaded condition. Adjust VR104 (Lch) and VR105 (Rch) so that the voltage across the terminals of R245 (Lch) and R246 (Rch) comes to 10mV ± 1mV DC.

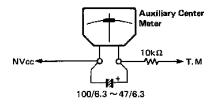
Item to be Adjusted	Test Points	Adjustment Points	Rating
Idling Current	Lch: Across the terminals of R245 Rch: Across the terminals of R246	VR104 (Lch) VR105 (Rch)	10mV ± 1mV DC.

TEST POINT



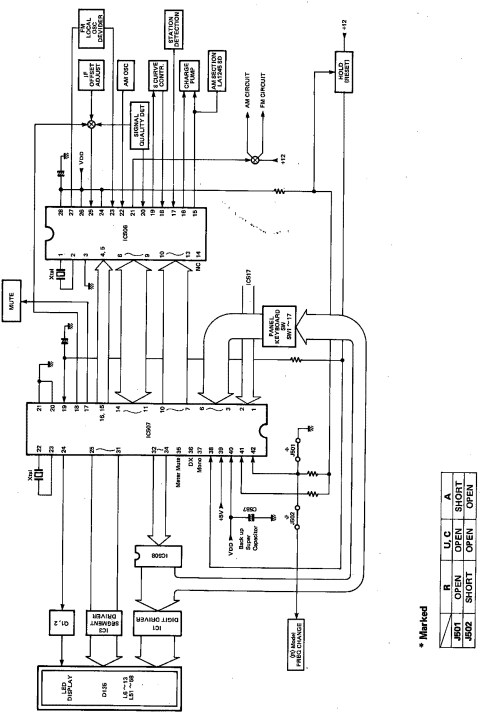
< FM TUNER SECTION >

- Use 19kHz L.P.F. to measure the REC OUT.
- On step 1 and 2 connect an auxiliary center meter (100036 or similar) to confirm the best tuned point.
- 100% modulation means that the Frequency Deviation is ±75kHz.



Step	Item to be Adjusted	Connection terminal	Instrument required	Adjustment locations	Adjustment method	Rating or standard	Remarks
1	Discriminator balance	NVcc ~ T.M	Auxiliary center meter	T501 (CENTER)	Adjust the pointer of the auxiliary center meter point to '0' at detuned point.		After the adjustment of W5 to 5, confirm it again.
2	Confirmation of station center set	300J FM ANT	FM SG 98MHz ± 1kHz 700µA (81.2dB), 3.16mV/75Ω MONO 1kHz 100% MOD REC OUT L, R L.P.F.	TUNING key → UP or DOWN	Confirm that the auxiliary center meter deflects to '0' when tuned to signal of FM SG.		
3	Monaural distortion	300J FM ANT	FM SG 98MHz ± 1kHz 700µA (81.2dB), 3.16mV/75Ω MONO 100Hz 100% MOD DIST. M. L.P.F.	VCS01 (MONO)	Reduce distortion to minimum.	Less than -95dB	Reception should be made in LOCAL mode.
4	Stereo distortion	300J FM ANT	FM SG, SSG 98MHz ± 1kHz 700µA (81.2dB), 3.16mV/75Ω STEREO L, R 1kHz, 100% MOD. REC OUT L, R DIST. M. L.P.F.	Front end IFT ST indicator	Same as step 3	Less than -95dB	Confirm this: ST indicator lights up. Reception should be made in LOCAL mode.

Block Diagram of Microcomputer Peripheral Circuit



IC517: A. V Controller 3203 (LC6505C-3203)

1-chip type 4-bit microcomputer which incorporates 1024 x 8 bit ROM (for programming) and 64 x 4 bit RAM (for data memory)

Table with columns: Terminal No., Description, I/O, Function. Lists 42 pins and their functions, including input ports, output ports, control signals, and power supply connections.

RX-1100/U LSI DATA

IC506: LC7210

This is the CMOS LSI utilized to tune the CSL (Computer Servo Lock) tuning system for FM/AM radio which has realized stable station selection by PLL (Phase Locked Loop) Synthesizer, stereo automatic station search (Applicable to all areas of the world) and multiple bands by SLS (Signal Locked Loop) voltage synthesizer, and optimum tuning point reception by AFC operation.

- When combined with a processor (IC100), this LSI can be controlled by a 4-bit microcomputer in the controller.
The functions are:
- SLS auto search control
- PLL control
- Analog switch for Stereo AFC
- Station-originate frequency counter
- Data generation for FM band IF offset adjustment (5 bits)

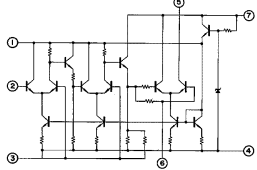
Table with columns: Terminal No., Description, I/O, Function. Lists 28 pins and their functions for the LC7210 chip, including data bus, control signals, and power supply connections.

RX-1100/U

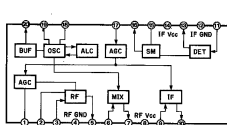
1-chip type 4-bit microcomputer which incorporates 4096 x 8 bit ROM (for programming) and 256 x 4 bit RAM (for data memory)

Table with columns: Terminal No., Description, I/O, Function. Lists 42 pins and their functions for the CSL Controller 3232, including remote control, control signals, and power supply connections.

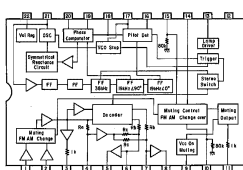
IC501, 502: μ PC577H (E, F) (IF Amp)



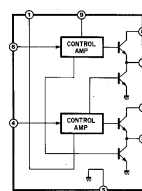
IC505: LA1245 (IF Amp)



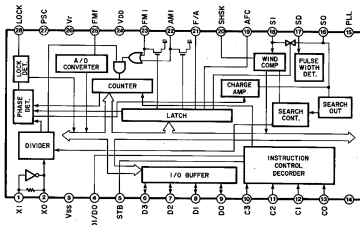
IC504: LA3401 (MPX)



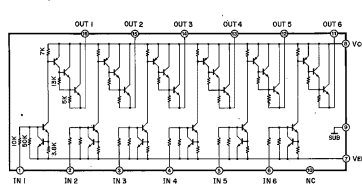
IC518: M54542 (Motor Driver)



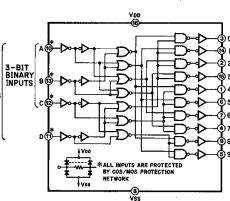
IC506: LC7210 (PLL)



IC514, 515: LB1294 (LED Driver)



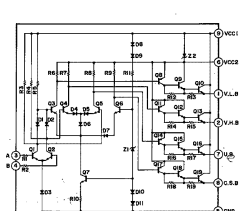
IC508: TC4028BP or BU4028B (Decimal Decoder)



Data Table

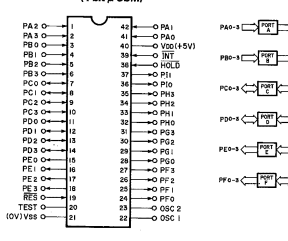
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0	0	1	0	0	0	1	0	0	0	0	0	0	0
0	0	1	1	0	0	0	1	0	0	0	0	0	0
0	1	0	0	0	0	0	0	1	0	0	0	0	0
0	1	0	1	0	0	0	0	1	0	0	0	0	0
0	1	1	0	0	0	0	0	0	1	0	0	0	0
0	1	1	1	0	0	0	0	0	0	1	0	0	0
1	0	0	0	0	0	0	0	0	0	0	1	0	0
1	0	0	1	0	0	0	0	0	0	0	0	1	0
1	0	1	0	0	0	0	0	0	0	0	0	0	1
1	0	1	1	0	0	0	0	0	0	0	0	0	0
1	1	0	0	0	0	0	0	0	0	0	0	0	0
1	1	0	1	0	0	0	0	0	0	0	0	0	0
1	1	1	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	0	0	0	0	0	0	0	0	0	0

IC516: LA7910 (Switch)

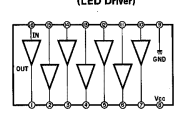


IC BLOCK

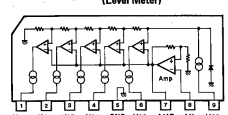
IC17: LC6505C-3203 (4 bit μ -COM)



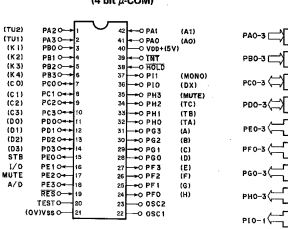
IC1: BA618 (LED Driver)



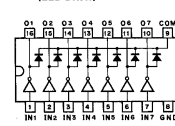
IC3: LB1413 (Level Meter)



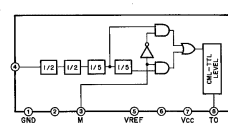
IC507: LC6510C-3232 (4 bit μ -COM)



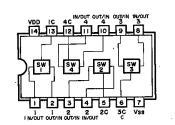
IC2: M54526P, LB1234 or BA12004 (LED Driver)



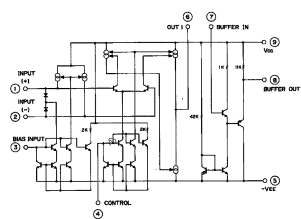
IC101: M54459L (Pre-scaler)



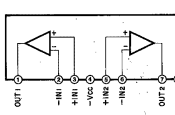
IC102 ~ 104, 510 ~ 513, 523 ~ 525: LC4966 (Switch)



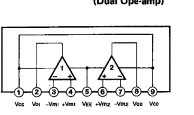
IC106, 107: BA6110 (Noise Canceller)



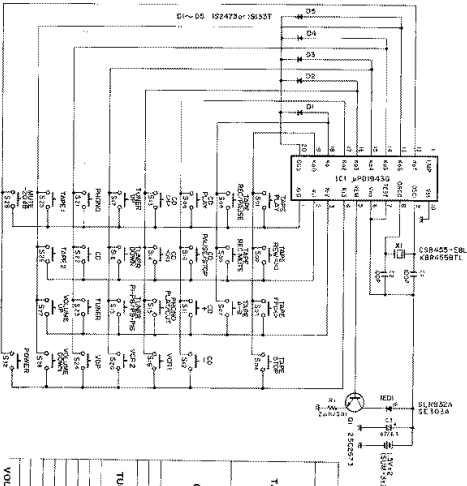
IC105: M5220L, IC822, 526, 527: M5218L (V) IC509: NJM4560S



IC503, 519 ~ 521: NJM4558S (Dual Op-amp)

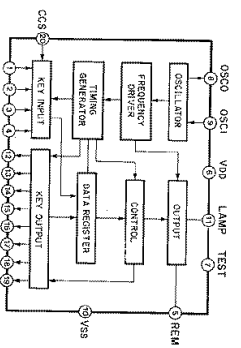
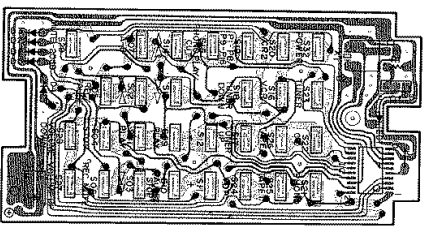


RX-1100/U
RS-RX11
REMOTE CONTROL TRANSMITTER
SCHEMATIC DIAGRAM



FUNCTION	DATA CODE	KEY CODE
PLAY	0 1 2 3 4 5 6 7	00
PAUSE	0 0 0 0 0 0 0 0	00
STOP	0 0 0 0 0 0 0 0	00
RECORD/PAUSE	0 0 1 0 1 0 1 0	04
AB. MUTE	0 1 1 0 0 0 0 0	06
PLAY	0 0 0 1 1 0 1 0	08
PAUSE/STOP	1 0 0 1 1 0 1 0	08
STOP	1 1 0 1 0 0 0 0	06
PHONO	0 0 1 1 0 1 0 0	00
UP	1 0 1 1 0 1 0 0	00
DOWN	1 1 1 1 0 1 0 0	02
STOP	0 0 0 0 1 1 0 0	00
PHONO	0 0 1 1 0 1 0 0	11
CD	1 0 1 1 0 1 0 0	15
TAPE 2	1 1 0 1 1 1 0 0	18
TAPE 1	0 0 0 1 1 1 0 0	18
VOL. UP	0 0 0 1 1 1 0 0	18
VOL. DOWN	1 1 0 1 1 1 0 0	18
MUTE	0 0 1 1 1 1 0 0	1C
POWER	1 1 1 1 1 1 0 0	1E
CUSTOM CODE	0 1 1 0 1 1 1 1	1A

PRINTED CIRCUIT BOARD
(Pattern side)

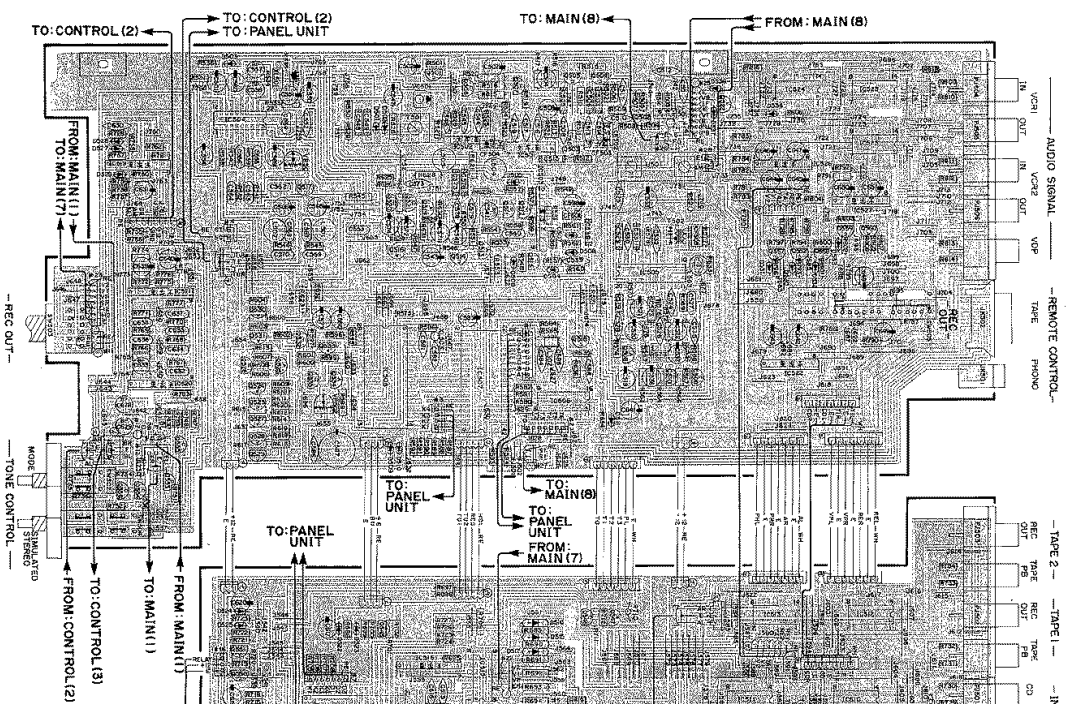


IC1 : PPD1943G

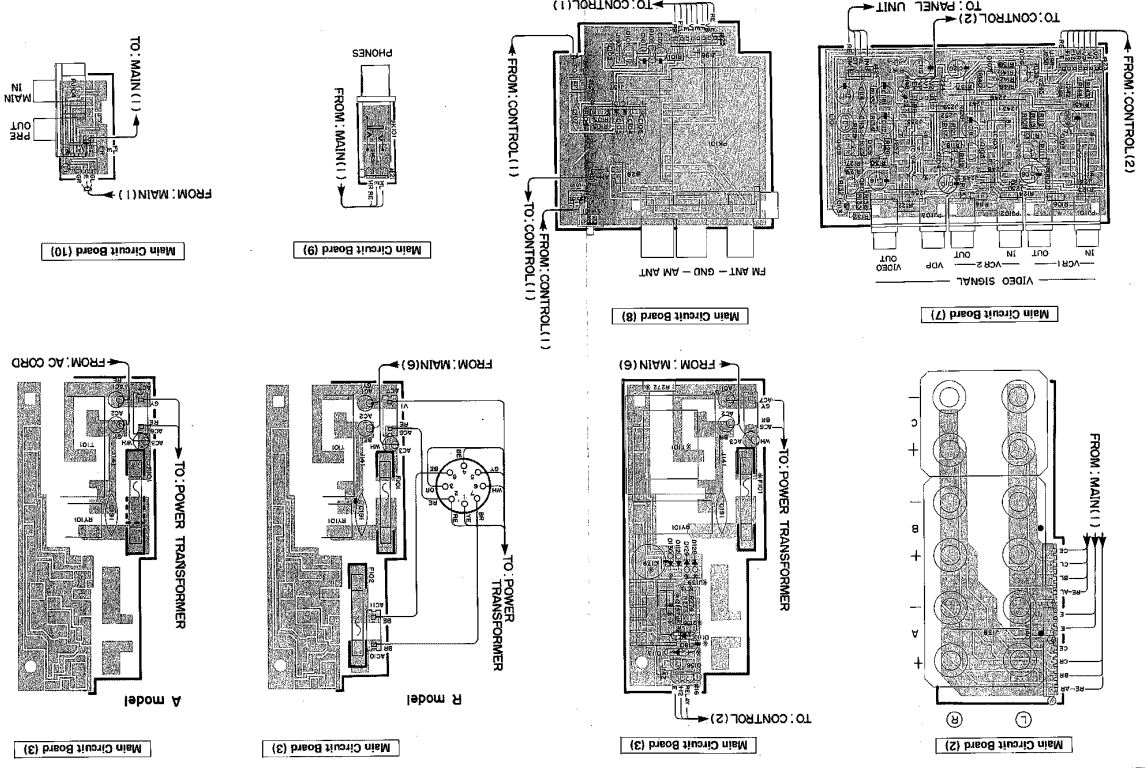
K10	0	Custom Code
K11	E	Sheet Input
K12	F	
K13	G	
Remote	01	K02
0100	02	K03
TEST	03	K04
0100	04	K05
Oscillator	05	K06
Output	06	K07
Input	07	
VAS	08	Lamp Output

PRINTED CIRCUIT BOARD (Pattern side)

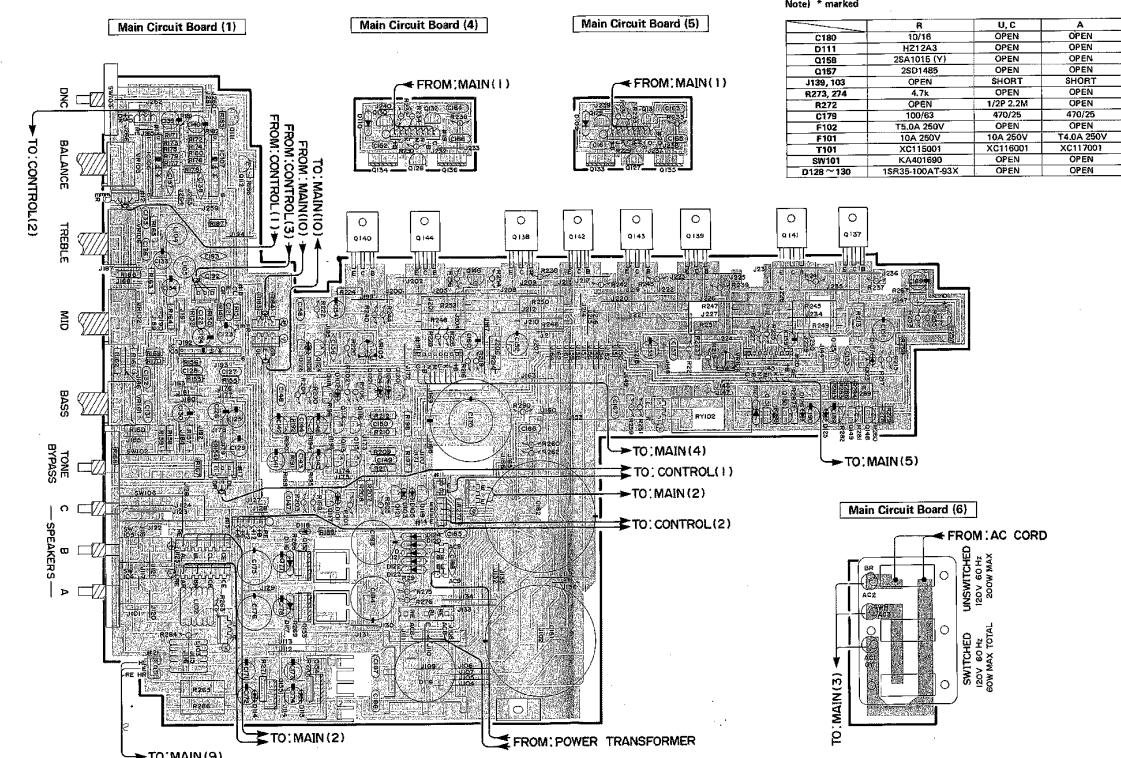
Control Circuit Board (1)



PRINTED CIRCUIT BOARD (Pattern side)



PRINTED CIRCUIT BOARD (Pattern side)



Note) * marked

	R	U.C	A
C180	10/16	OPEN	OPEN
D111	K212A3	OPEN	OPEN
D158	2SA101E (Y)	OPEN	OPEN
Q187	2SD1488	OPEN	OPEN
JF9, 103	OPEN	SHORT	SHORT
R273, 274	4.7k	OPEN	OPEN
R272	OPEN	1/2P 2.2M	OPEN
C179	100/63	470/25	470/25
F102	T3.0A 250V	OPEN	OPEN
F101	10A 250V	10A 250V	T4.6A 250V
T101	XC115001	XC117001	
SR101	K4A01580	OPEN	OPEN
D128 ~ 130	1SR35-100AT-63X	OPEN	OPEN

Ref. No.	Part No.	Description	部品名	Remarks	Common Model	Markets	ラック
MA 000 33 60	MA 000 33 60	Main Circuit Board	メインシールド			R	
MA 000 33 60	MA 000 33 60					U,C	
FG 21 11 00		Ceramic Cap.	セラミックコン	C135,156			
FG 21 21 20		100pF 50V		C115			
FG 21 24 70		470pF 50V		C114			
FG 21 31 00		1000pF 50V		C105			
FG 21 33 30		2000pF 50V		C137,150			
FG 44 41 00		0.01μF 50V		C101,104,106,107,108			
VA 83 08 00		0.01μF		C191			
FU 35 08 00		Mica Cap.	マイカコン	C149,150			
FU 35 12 20		20pF 500V		C161~164			
FU 35 13 90		100pF 500V		C157,158			
VE 35 17 00		Electrolytic Cap.	プロラクタミコン	C178			
VC 42 61 00		12000pF 71V		C181,182			
FA 15 34 70		Mylar Cap.	マイラコン	C147,148			
FA 15 01 20		0.12μF 50V		C131,132			
FA 15 43 30		0.033μF 50V		C135,136			
FA 15 51 00		0.1μF 50V		C187,188,192,193			
FA 15 51 00		0.1μF 50V		C189,166			
FA 15 52 20		0.22μF 50V		C185			
UJ 11 73 30		Electrolytic Cap.	ケミコン	C125,126			
UJ 11 81 00		100pF 6.3V		C145,146			
UJ 11 82 20		220pF 6.3V		C190			
FJ 12 91 00		1000pF 10V		C108,110,116			
UJ 13 71 00		10pF 16V		C180		R	
UJ 13 73 30		100pF 16V		C189,111,112,172,174			
UJ 13 87 00		100pF 16V		C119,171,179			
UJ 13 82 20		220pF 16V		C113,153,154			
UJ 13 83 30		330pF 16V		C177,178			
UJ 14 71 00		10pF 25V		C141,142			
UJ 14 72 40		22pF 25V		C117,118,129,130,189			
UJ 14 81 00		100pF 25V		C159,160			
UJ 16 54 70		0.47μF 50V		C123,124			
UJ 16 61 00		1μF 50V		C173,174,179,140,169			
UL 46 61 00		1μF 50V	ローインダクタンスコン	C102			
UL 46 82 20		2.2μF 50V		C181			
UW 84 84 70		470pF 25V	ケミコン	C179		U,A,C	
UW 87 81 00		100pF 63V				R	
UW 83 91 00		1000pF 16V		C120,175,176			
UW 84 91 00		1000pF 16V		C184			
UJ 14 92 20		2200pF 25V		C183			
UW 85 82 20		220pF 16V		C151,152			
UT 45 22 20		Polystyrene Film Cap.	ポリプロコン	C121,122,127,128,143,144			
UT 45 41 00		0.01μF 100V		C186,187			
KC 11 50 00		Power Transformer	電源トランス	T101		R	
KC 11 60 01						U,C	
KC 11 70 01						A	
VC 86 41 00		Output Coil	アウツコイル	L102,103			
GC 90 18 00		Coil	コイル	L104,105			
VB 11 56 00		Coil		L101			

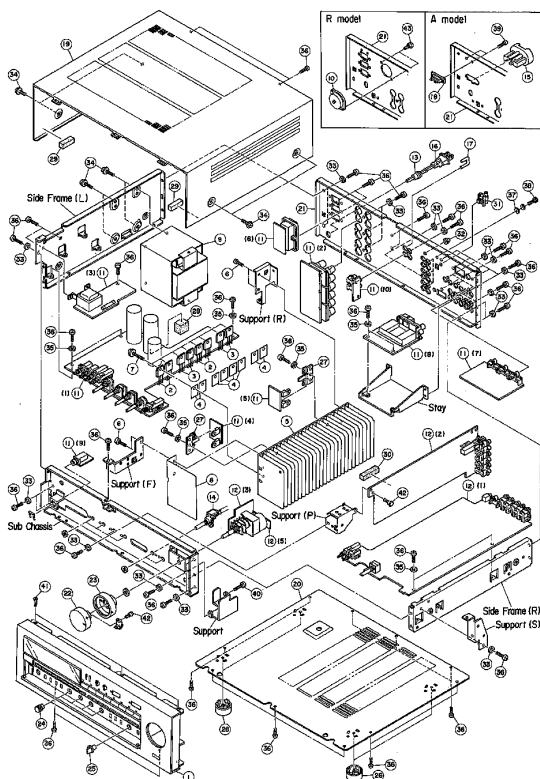
*New Parts (新規部品)

Ref. No.	Part No.	Description	部品名	Remarks	Common Model	Markets	ラック
HJ 35 53 30		Carbon Resistor	カーボン抵抗	R183,184			
HJ 35 54 70		330Ω 1/4W		R185,186			
HJ 35 61 00		470Ω 1/4W		R205,206			
HJ 35 61 50		1kΩ 1/4W		R270,271			
HJ 35 63 30		1.5kΩ 1/4W		R161,162			
HJ 35 64 70		3.3kΩ 1/4W		R273,274		R	
HJ 35 65 60		4.7kΩ 1/4W		R159,160			
HJ 35 66 80		6.8kΩ 1/4W		R157,158			
HJ 35 71 00		10kΩ 1/4W		R205,274			
HJ 35 71 50		15kΩ 1/4W		R207,208			
HJ 35 74 70		47kΩ 1/4W		R209,210			
HJ 35 81 00		100kΩ 1/4W		R197,198,277			
HJ 35 84 70		470kΩ 1/4W		R211,212			
HQ 30 92 20		2.2MΩ 1/2W		R272		U,C	
HJ 31 62 70		Metal Oxide Film Resistor	酸化金属抵抗	R213,214			
HL 32 22 20		2W 20Ω 2W		R245~252			
HL 32 52 70		270Ω 2W		R265,266			
HL 32 61 80		1.8kΩ 2W		R269			
HV 45 32 20		Flame Proof Carbon Resistor	不燃化カーボン抵抗	R276			
HV 45 31 00		1Ω 1/4W		R275,281			
HV 45 34 70		4.7Ω 1/4W		R237~244,263,264			
HV 45 42 20		22Ω 1/4W		R260			
HV 45 43 30		33Ω 1/4W		R147,148			
HV 45 43 90		33Ω 1/4W		R263,264			
HV 45 51 00		100Ω 1/4W		R205,206			
HV 45 52 20		220Ω 1/4W		R189~200,215~218			
HV 45 52 70		270Ω 1/4W		R219~234			
HV 45 53 90		390Ω 1/4W		R235,236			
HV 45 55 80		560Ω 1/4W		R237,238			
HV 45 61 00		1kΩ 1/4W		R255,256			
HV 45 61 20		1.2kΩ 1/4W		R221,222			
HV 45 61 80		1.8kΩ 1/4W		R219,220			
HV 45 82 20		2.2kΩ 1/4W		R225~228			
HV 45 84 70		4.7kΩ 1/4W		R283,284			
HV 46 41 00		10kΩ 1/4W		R259,260			
HS 41 23 60		Potentiometer	可変抵抗器	VR102,105			
HS 41 23 70		16kΩ X2		VR101			
HS 41 23 80		20kΩ		VR103			
HS 41 23 90		Pre-Set Potentiometer	半固定抵抗	VR104,105			
IA 09 70 00		Transistor	トランジスタ	Q113~116,147			
IA 10 45 21		2SA181S(Y)		Q182,104,118,123,124			
IA 10 15 21		2SA181S(Y)		Q198		R	
IA 11 45 00		2SA148S(Y)		Q131,132			
IG 01 40 00		2SB1274		Q153			
IG 10 15 20		2SC181S(Y)		Q154			
IG 10 22 00		2SC2209(CR,BL)		Q155,156,157,118,119,120,121,122,123,124,125,126,146,146,160			
IX 60 42 30		2SC2379(A)		Q111,112			
IX 62 17 00		2SC2705(G,Y)		Q119,120,129,130			
YB 42 27 00		NM5148S		Q157		R	
YD 40 78 00		2SD1913		Q182,184,185			
YD 11 13 10		2SA1306		Q135,136			

*New Parts (新規部品)

Ref. No.	Part No.	Description	部品名	Remarks	Common Model	Markets	ラック
VB 10 56 00		Coil	コイル	L503			
GE 90 19 80		220μH		L502			
GE 90 19 90		100μH		L505			
GE 90 18 30		8.2mH		L504,505			
GE 90 18 50		39mH		L501,502			
GD 00 64 20		AM Ceramic Disc	AMセラミックディスク	CF500			
GD 00 66 00		Ceramic Filter	セラミックフィルタ	CF501,504		PACK	
GD 00 66 00		SFE10.7M63G		CF502,505			
GD 00 66 00		AM Ceramic Filter	AMセラミックフィルタ	CF500			
GD 00 67 00		Ceramic Resonator	セラミック共振子	XL504			
GD 00 67 00		CS5466F-1		XL501			
GD 00 67 00		CS558R		XL502			
QJ 00 78 00		Quartz Crystal Unit	水晶共振子	L503			
HJ 35 52 20		Carbon Resistor	カーボン抵抗	R510,528			
HJ 35 61 00		1kΩ 1/4W		R514			
HJ 35 61 20		1.2kΩ 1/4W		R871			
HJ 35 65 00		5.6kΩ 1/4W		R871			
HJ 35 66 30		6.8kΩ 1/4W		R269			
HJ 35 71 00		10kΩ 1/4W		R598,709,815			
HJ 35 71 20		12kΩ 1/4W		R671			
HJ 35 74 70		47kΩ 1/4W		R520			
HJ 35 81 00		100kΩ 1/4W		R518,482~487,493~494			
HJ 35 82 20		200kΩ 1/4W		R545,552			
HL 32 52 70		1kΩ 2W		R662			
HV 45 34 70		Flame Proof Carbon Resistor	不燃化カーボン抵抗	R110,817			
HV 45 42 20		22Ω 1/4W		R710			
HV 45 61 00		100Ω 1/4W		R669,670			
VB 86 14 00		Pre-Set Potentiometer	半固定抵抗	VR92			
VB 86 19 00		810Ω		VR91			
VC 59 23 00		Potentiometer	セータックV R	VR93			
IA 09 34 00		Transistor	トランジスタ	Q647			
IA 09 70 00		2SA181S(Y)		Q539~542			
IA 10 15 21		2SA181S(Y)		Q335~338,343~345,346,347,348,349,350,351,352,353,354,355,356,357,358,359,360,361,362,363,364,365,366,367,368,369,370,371,372,373,374,375,376,377,378,379,380,381,382,383,384,385,386,387,388,389,390,391,392,393,394,395,396,397,398,399,400,401,402,403,404,405,406,407,408,409,410,411,412,413,414,415,416,417,418,419,420,421,422,423,424,425,426,427,428,429,430,431,432,433,434,435,436,437,438,439,440,441,442,443,444,445,446,447,448,449,450,451,452,453,454,455,456,457,458,459,460,461,462,463,464,465,466,467,468,469,470,471,472,473,474,475,476,477,478,479,480,481,482,483,484,485,486,487,488,489,490,491,492,493,494,495,496,497,498,499,500,501,502,503,504,505,506,507,508,509,510,511,512,513,514,515,516,517,518,519,520,521,522,523,524,525,526,527,528,529,530,531,532,533,534,535,536,537,538,539,540,541,542,543,544,545,546,547,548,549,550,551,552,553,554,555,556,557,558,559,560,561,562,563,564,565,566,567,568,569,570,571,572,573,574,575,576,577,578,579,580,581,582,583,584,585,586,587,588,589,590,591,592,593,594,595,596,597,598,599,600,601,602,603,604,605,606,607,608,609,610,611,612,613,614,615,616,617,618,619,620,621,622,623,624,625,626,627,628,629,630,631,632,633,634,635,636,637,638,639,640,641,642,643,644,645,646,647,648,649,650,651,652,653,654,655,656,657,658,659,660,661,662,663,664,665,666,667,668,669,670,671,672,673,674,675,676,677,678,679,680,681,682,683,684,685,686,687,688,689,690,691,692,693,694,695,696,697,698,699,700,701,702,703,704,705,706,707,708,709,710,711,712,713,714,715,716,717,718,719,720,721,722,723,724,725,726,727,728,729,730,731,732,7			

EXPLODED VIEW



MECHANISM PARTS

Ref. No.	Part No.	Description	部品名	Remarks	Common Model	Markets	ラック
1	VC 03 07 00	Front Panel Unit	フロントパネルユニット		RX-1100	R,A	
2	VC 03 09 00				RX-1100U	U,C	
3	IA 12 85 30	Transformer	トランスジスタ	25A125			Q139,140,143,144
4	IC 31 82 30			25C182			Q137,138,141,142
5	VB 43 50 00	Sheet	電化放熱シート				
6	EA 09 24 80	Heat Sink	放熱板				
7	ED 33 00 86	Blinding Head Tapping Screw	3x8 FORM-B	バインドヘッドタッピングネジ	PACK		
8	ED 33 00 86	Blinding Head Screw	3x8 FORM-B	バインドヘッドネジ	PACK		
9	XC 10 70 01	Power Transformer	電源トランス			U	
10	XC 10 80 01					A	
11	XC 10 80 01					R	
12	XC 10 80 01					A	
13	XC 10 80 01					R	
14	XC 10 80 01					A	
15	LCB 02 01 90	Volume Selector	電圧切換器			R	
16	NA 09 33 20	Main Circuit Board	メインシールド			R	
17	NA 09 33 40					U,C	
18	NA 09 33 50					A	
19	NA 09 33 70	Control Circuit Board	コントロールシート			U,C	
20	NA 09 33 80					R	
21	NA 09 33 90					A	
22	CB 02 02 00	Core Stepper	コアステップ	CM-22B		R,A	
23	CB 02 02 00			CM-22C		U,C	
24	KA 00 71 00	Remote Rotary Switch	ESA-33	リモートロータリースイッチ			
25	VC 02 01 00	Outlet	2P	アウトレット		R	
26	MG 08 16 30	Power Cord	6A 250V 2m	電源コード		A	
27	MG 08 22 20		10A 125V 1.98m			R	
28	MG 08 25 20		7.5A 250V 2.5m			U,C	
29	MG 08 25 18		7.5A 250V 2m			A	
30	LB 18 11 10	Short Plug	ショートプラグ			A	
31	LA 00 29 50	Terminal Board	中継端子台			A	
32	AA 62 00 40	Top Cover	トップカバー	Silver		R-B	
33	AA 62 00 60			Black			
34	AA 62 00 80	Bottom Cover	ボトムカバー				
35	VC 40 52 00	Rear Panel	リアパネル			R	
36	VC 40 52 00					U,C	
37	VC 40 52 00					A	
38	BA 19 24 30	Knob	ツマミ	Silver VOLUME		R-9	
39	BA 09 25 00			Black			
40	BA 09 25 40			Silver LOUDNESS			
41	BA 09 25 40			Black			
42	CB 62 08 10			Silver			
43	CB 62 08 20			Black			
44	CB 62 08 30	Switch Knob	スイッチツマミ	Silver			
45	CB 62 08 40			Black			
46	CB 62 07 30	Ring	リング	TL-037			
47	CB 62 07 00	TR Pusher	TR プッシュャー				
48	CB 64 14 70	Roller	ローラー			R-B	
49	CB 64 14 70	Rubber Cushion	防振ゴム				
50	CB 64 42 40	Cushion	クッション				
51	CB 66 74 70	Holder, Antenna	アンテナホルダー				
52	CB 62 72 40	Switch	M M グリーンスイッチ				
53	EV 41 30 36	Toothed Lock Washer	歯付 鎖 金	PACK			
54	EX 12 00 08	SH Head Tapping Screw	4x8 FORM-B	SHヘッドタッピングネジ	Silver		

RX-1100/U

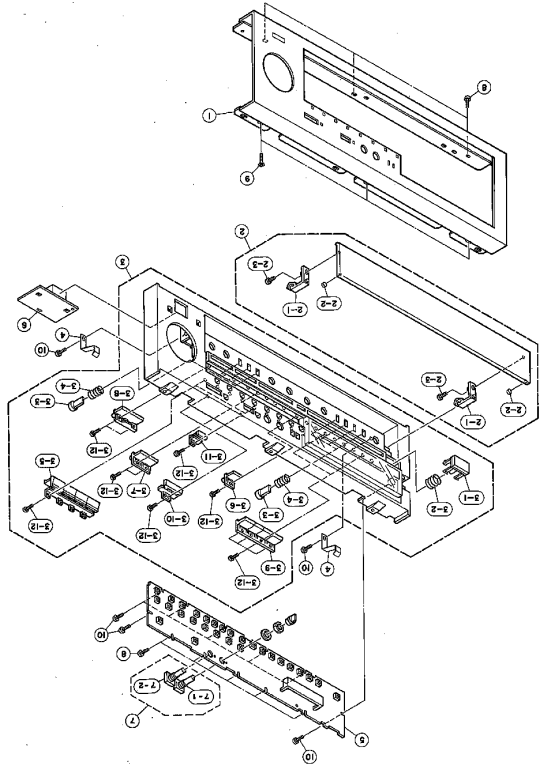
RX-1100/U

Ref. No.	Part No.	Description	部品名	Remarks	Common Model	Markets	ラック
IC 32 98 10	IC	Transistor	25C328	トランスジスタ		Q133,134	
IC 09 20 00	IC		M522L		C	IC105	
KA 56 90 01			B6E110			IC106,107	
IB 04 14 70			M6469L			IC101	
IB 114 93 10			LC4966			IC102~104	
IF 00 06 70	Diode	ダイオード	IS2473			D113,124	
IF 00 00 40			IS1535			D113,124	
IF 00 34 50			ISS133			D101~106,118,125,128	
IF 00 43 00			ISS82			D105,110	
IF 00 44 80			IS1050-100A			D109~130	
IF 00 84 60			IS1050-100A			D112,120~123	
HI 00 11 30	Diode Bridge	ダイオードブリッジ	D5F820			D115	
IF 00 19 40	Zener Diode	ツェナーダイオード	D2F24-2			D127	
IX 60 42 30			H212A3			D116,117	
IX 60 42 30			H212A3			D111	
IF 00 80 30			MT27.3C			D114,115	
KA 40 16 30	Slide Switch	スライドスイッチ	SS312A			SW101	
KA 80 27 50	Push Switch	プッシュスイッチ	SUF 2-2 NS			SW104,105	
VC 42 60 00			SUF 4-2 NS			SW106	
KA 80 51 70			SUN 4-2 NS			SW103	
KA 80 51 80			SUN 4-2 S			SW102	
KB 00 04 00	Fuse	ヒューズ	TS 6A 250V			F102	
KB 00 07 00			T4 0A 250V			F101	
KB 00 13 30			10A 250V			F103	
KB 00 14 30			10A 250V			F104	
NC 00 18 10	Relay	リレー	CH1201-OM			RY101	
NC 00 20 20			CH1202-OM			RY102	
VC 25 79 00	Phone Jack	ホンジャック	JR101				
VC 36 44 00	Pin Jack	ピンジャック	PJ101~103				
LB 40 18 30			PJ104				
PA 00 08 10	FM Front End Pack	FMフロントエンドパック	PK101				
LA 00 58 00	Antenna Terminal	アンテナ端子					
VC 42 57 00	Speaker Terminal	スピーカー端子					
LA 00 20 00	Lapping Terminal	調整端子					
LA 00 21 40							
LB 60 42 80	AC Outlet	A C アウトレット	M705SE				
LB 60 81 70			M732Z			U,C	
LB 20 18 80	Fuse Holder Pin	ヒューズホルダーピン	PC-FH1				
VD 00 40 00	Base Pin	ベースピン					
VD 00 41 00							
VD 00 42 00							
VD 00 50 00							

Ref. No.	Part No.	Description	部品名	Remarks	Common Model	Markets	ラック
VD 00 51 00	Base Pin	ベースピン					
LB 01 00 20							
BA 08 29 70	Heat Sink	放熱板					
BA 08 40 00							
BB 06 36 10	Ground Plate	ランド金具					
ED 33 00 86	Blinding Head Tapping Screw	3x8 FORM-B	バインドヘッドタッピングネジ	PACK			
ED 33 00 86	Blinding Head Screw	3x8 FORM-B	バインドヘッドネジ	PACK			
VD 27 00	Keyboard Circuit Board	キーボードシート					
KX 60 08 00	Switch	M T スイッチ					
IX 60 30 10	LED (Red)	LED (赤)	SLR329VC			L15	
IF 00 82 50	LED (Green)	LED (緑)	LS37-R39				
IX 00 80 00	LED (Red)	LED (赤)	SLR-36URD-3H			L1~14	
IF 00 87 30	(Green)	(緑)	SLR-36URD-3H3			L15-30	
IF 00 87 40	(Green)	(緑)	SLR-34MC-3H3			(緑) L1~5	
IX 00 88 80	(Red/Green)	(赤/緑)	SPR-55MYT			L31~33	
IX 60 88 80	(Green)	(緑)	SLR32DMC			L6	
IG 14 72 00	IC		BA1020A			C 102	
IG 14 54 70			LB1024				
IG 11 71 00			M64626				
IG 14 67 00			LB1013			IC3	
IG 13 20 00			DAG18			IC1	
IC 25 20 40	Transformer		25C2220			TR1	
IC 00 99 00			25A393			TR2	
HJ 35 64 20	Carbon Resistor	カーボン抵抗	1/2W 4.7k			R21~50	
HJ 35 64 70			4.7k			R2	
HJ 35 43 30			30k			R6,10,12,14,15,18,20	
HJ 35 42 70			27k			R5,7,11,13,15,17,19	
HJ 35 71 00			10k			R3,4,6	
HJ 35 74 70			7k			R1	
IF 00 88 70	Diode	ダイオード	IS2473			D1~3	
IF 00 34 20			IS1588				
LI 1 21 30	Electrolytic Cap.	コンデンサ	100uF 10V			C1	
UV 02 71 50			10uF 10V			C3	
VD 59 00	Enhancer Circuit Board	エンハンサーシート					
HX 60 18 00	Potentiometer	可変抵抗器	1k			VIDEO LEVEL	
HX 60 17 90			2k			DETAIL	
VD 18 28 00	Remote Control Circuit Board	リモートコントロールシート					
LX 60 04 30	Receiver Unit	受 発 機	HC-101				

Part No.	Description	部品名	Remarks	Common Model	Markets	ランク
MC 6377 00	Front Panel Unit	フロントパネルユニット	RX-1100	R,A		
VC 63 87 00	Front Panel Unit	フロントパネルユニット	RX-1100	R,A		
VC 63 88 00	"	"	"	"		
JA 172 65 20	Transistor	トランジスタ	2SA1265 Q10,140,143,144	U,C		
IC 181 16 20	"	"	2SC182 Q10,137,138,141,142	U,C		
VB 43 50 00	Sheet	電化蒸着シート	"	"		
BA 09 24 80	Heat Sink	放熱板	"	"		
EI 33 00 86	Blinding Head Tapping Screw	3 X 6 FCRM3-BI	バインドヘッドタッピングネジ	PACK		
EZ 00 13 50	Cup Screw	3 X 14 FCRM3-BI	カップネジ	PACK		
SC 06 88 00	Screw	"	"	"		
XC 101 70 10	Power Transformer	電源トランス	"	U		
XC 101 80 10	"	"	"	C		
XC 101 90 10	"	"	"	A		
XC 101 90 11	"	"	"	R		
LB 20 14 80	Voltage Selector	電圧切換器	"	U		
NA 02 33 30	Main Circuit Board	メインシールド	"	R		
NA 09 33 40	"	"	"	U,C		
NA 09 33 50	"	"	"	A		
NA 09 33 60	Control Circuit Board	コントロールシート	"	U,C		
NA 09 33 80	"	"	"	A		
NA 09 35 90	"	"	"	R,A		
CB 62 01 90	Cord Stopper	コードストッパー	CV-220	U,C		
CB 62 02 00	"	"	CV-220	R,A		
KA 38 71 00	Remote Rotary Switch	リモートロータリースイッチ	E2A-53	U,C		
VC 62 61 00	Outlet	アウトレット	2P	A		
MG 00 16 30	Power Cord	電源コード	6A 250V 2m	R		
MG 00 22 20	"	"	10A 125V 1.5m	U,C		
MG 00 09 20	"	"	7.5A 250V 2.5m	A		
MG 00 23 10	"	"	7.5A 250V 2m	A		
LB 10 11 10	Shunt Plug	ショントプラグ	"	A		
LA 00 23 50	Terminal Board	中継端子台	ACCESSORY Terminal	A		
AA 62 60 40	Top Cover	トップカバー	Silver	R-R		
AA 62 60 50	"	"	Black	"		
AA 62 60 30	Bottom Cover	ボトムカバー	"	"		
VC 45 51 00	Rear Panel	リアパネル	"	R		
VC 40 52 00	"	"	"	U,C		
VC 40 53 00	"	"	"	A		
BA 09 24 90	Knob	ツマミ	φ44 Silver VOLUME	R-R		
BA 09 25 00	"	"	φ44 Black	"		
BA 09 25 30	"	"	φ48 Silver LOUDNESS	"		
BA 09 25 40	"	"	φ48 Black	"		
BA 09 26 10	"	"	φ48 Silver	"		
CB 62 08 10	"	"	Black	"		
CB 62 08 30	Switch Knob	スイッチツマミ	Silver	"		
CB 62 08 40	"	"	Black	"		
VC 62 07 30	Leg	脚	TL-031	"		
VC 62 37 00	TR Plunger	T R プランジャー	"	"		
CB 64 38 30	Spacer	スペーサー	"	"		
CB 64 14 70	Rubber Cushion	ゴム緩衝垫	"	"		
CB 64 42 40	Cushion	クッション	"	"		
CB 60 74 70	Holder, Antenna	アンテナホルダー	"	"		
CB 62 72 40	Switch	M M グインスイッチ	"	"		
EV 41 30 30	Toothed Lock Washer	φ3 FCRM3-BI 歯付垫金	PACK	"		
EX 13 10 20	BW Head Tapping Screw	4 X 8 FFM3-36	BWヘッドタッピングネジ	Silver		

M New Parts (新機部品)



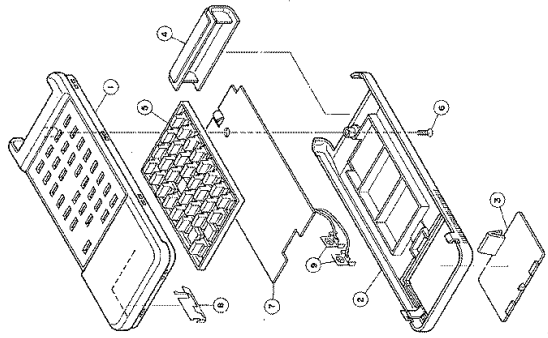
EXPLODED VIEW (Front Panel Unit)

MECHANISM PARTS

Part No.	Description	部品名	Remarks	Common Model	Markets	ランク
VC 42 16 00	Remote Control Transmitter	リモートコントロール送信機	RS-RX11	R,A		
AA 66	Dry Cell	単 3 乾 電 池	"	U,C		
MI 06 44 00	FM Q-matching Antenna	F M Q マッチアンテナ	"	A		
MI 08 29 10	Loop Antenna	ループアンテナ	"	A		
IV 10 54 00	Matching Transformer	変 圧 器	"	A		
VA 06 59 00	ST Connector	ステコネクタ	"	A		
MI 08 17 00	Plug Cord	ミニプラグコード	"	A		

M New Parts (新機部品)

EXPLODED VIEW (RS-RX11)



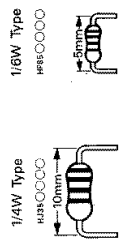
PARTS LIST (RS-RX11)

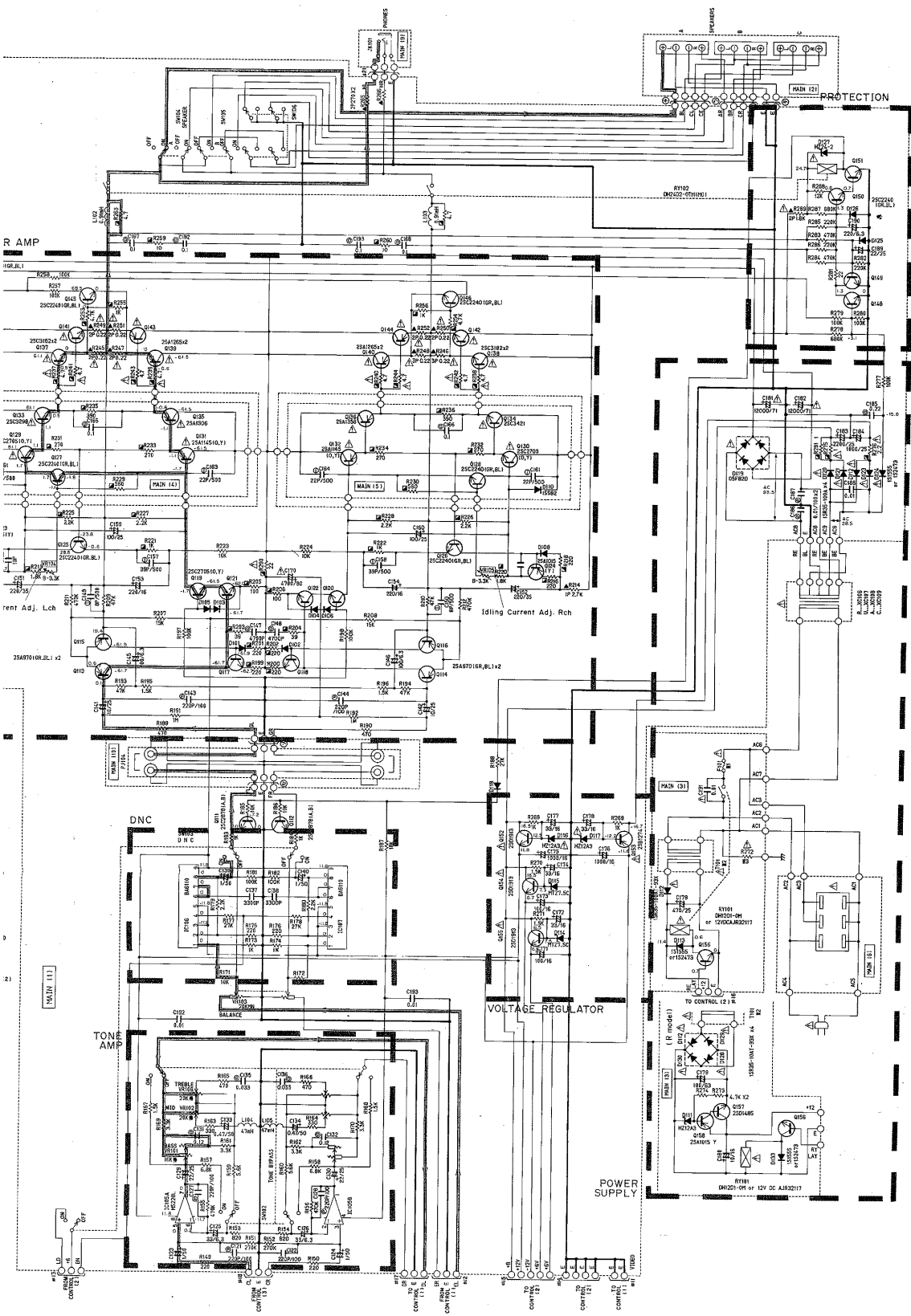
Ref. No.	Part No.	Description	部品名	Remarks	Common Model	Markets
※	VC: 42 56 00	Remote Control Transmitter	リモコン-トランスミッター			
※	1	CX: 60 07 90 Case (A) Assy	ケース (A)			
※	2	XX: 67 16 20 Case (B)	ケース (B)			
※	3	XX: 67 16 30 Case (C)	ケース (C)			
※	4	XX: 67 16 40 Filter	フィルター			
※	5	CX: 60 08 00 Rubber Contact	ゴム接触点			
※	6	XX: 67 16 60 Flak Head Screw	皿小ネジ			
※	7	MX: 60 04 00 P.C. Board Assy	プリント基板 Assy			
※	8	XX: 67 16 80 Dry Cell Terminal (A)	電池電極板 (A)			
※	9	XX: 67 16 90 "	" (B)			
※	※	MX: 60 04 40 P.C. Board Assy	プリント基板 Assy			
※	※	IX: 60 16 00 IC	IC			
※	※	OX: 60 00 40 Ceramic Resistor	セラミック抵抗器			
※	※	FX: 21 21 00 Ceramic Cap.	セラミックコンデンサ			
※	※	UX: 11 74 70 Electrolytic Cap.	電解コンデンサ			
※	※	ZS: 26 73 00 Transistor	トランジスタ			
※	※	IX: 60 36 00 LED	LED			
※	※	IS: 24 73 00 Diode	ダイオード			
※	※	MX: 60 14 00 Carbon Resistor	カーボン抵抗			

※New Parts (新部品)

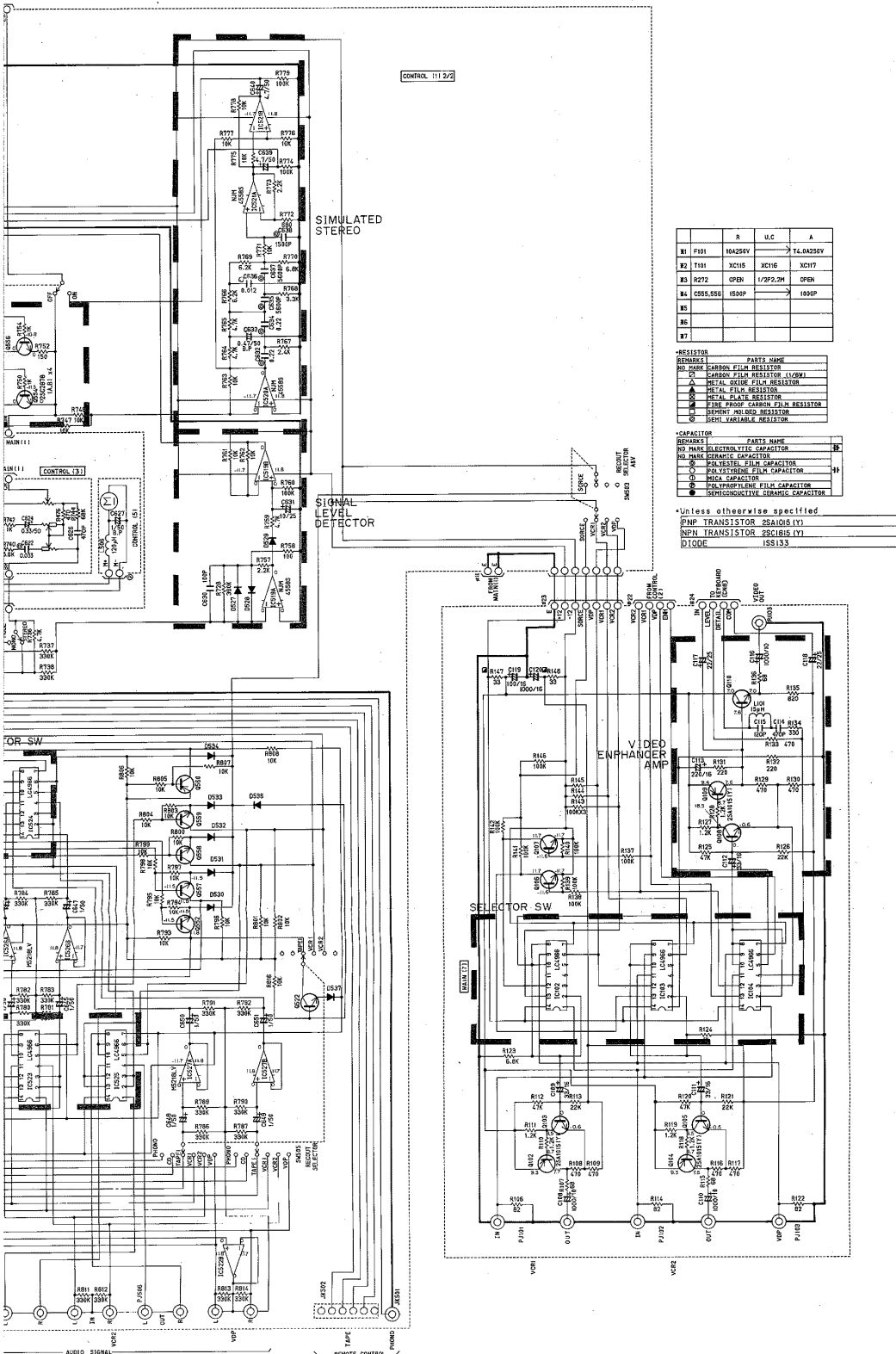
Parts List for Carbon Resistor

Value	1/4W Type Part No.	1/6W Type Part No.	Value	1/4W Type Part No.	1/6W Type Part No.
1.0 Ω	HJ353100	※	12K Ω	HJ357120	HF857120
1.8 "	HJ353180	※	15 "	HJ357150	HF857150
2.2 "	HJ353220	HF853220	18 "	HJ357180	HF857180
3.3 "	HJ353330	HF853330	22 "	HJ357220	HF857220
4.7 "	HJ353470	HF853470	27 "	HJ357270	HF857270
5.6 "	HJ353560	HF853560	33 "	HJ357330	HF857330
10 "	HJ354100	HF854100	39 "	HJ357390	HF857390
15 "	HJ354150	HF854150	47 "	HJ357470	HF857470
22 "	HJ354220	HF854220	56 "	HJ357560	HF857560
27 "	HJ354270	HF854270	68 "	HJ357680	HF857680
33 "	HJ354330	HF854330	82 "	HJ357820	HF857820
39 "	HJ354390	HF854390	91 "	HJ357910	HF857910
47 "	HJ354470	HF854470	100 "	HJ358100	HF858100
56 "	HJ354560	HF854560	120 "	HJ358120	HF858120
68 "	HJ354680	HF854680	150 "	HJ358150	HF858150
82 "	HJ354820	HF854820	180 "	HJ358180	HF858180
110 "	HJ355110	HF855110	220 "	HJ358220	HF858220
120 "	HJ355120	HF855120	270 "	HJ358270	HF858270
150 "	HJ355150	HF855150	330 "	HJ358330	HF858330
160 "	HJ355160	※	390 "	HJ358390	HF858390
180 "	HJ355180	HF855180	470 "	HJ358470	HF858470
220 "	HJ355220	HF855220	560 "	HJ358560	HF858560
270 "	HJ355270	HF855270	680 "	HJ358680	HF858680
330 "	HJ355330	HF855330	820 "	HJ358820	HF858820
390 "	HJ355390	HF855390	1.0M Ω	HJ359100	HF859100
470 "	HJ355470	※	1.2 "	HJ359120	※
570 "	※	HF855470	1.5 "	HJ359150	HF859150
560 "	HJ355560	HF855510	1.8 "	HJ359180	HF859180
680 "	HJ355680	HF855660	2.2 "	HJ359220	HF859220
820 "	HJ355820	HF855680	3.3 "	HJ359330	HF859330
910 "	HJ355910	HF855820	3.9 "	HJ359390	※
1.0K Ω	HJ356100	HF855910	4.7 "	HJ359470	※
1.2 "	HJ356120	HF856100			
1.5 "	HJ356150	HF856120			
1.8 "	HJ356180	HF856150			
2.0 "	HJ356200	HF856180			
2.2 "	HJ356220	HF856200			
2.4 "	HJ356240	HF856220			
2.7 "	HJ356270	HF856240			
3.0 "	HJ356300	HF856270			
3.3 "	HJ356330	HF856300			
3.6 "	HJ356360	HF856330			
3.9 "	HJ356390	HF856360			
4.7 "	HJ356470	HF856390			
5.1 "	HJ356510	HF856470			
5.6 "	HJ356560	HF856510			
6.8 "	HJ356680	HF856560			
8.2 "	HJ356820	HF856680			
9.1 "	HJ356910	HF856820			
10 "	HJ357100	HF856910			





* All voltages are measured with a 10MΩ/DC electric volt meter.
 * Components having special characteristics are marked Δ and must be replaced with parts having specifications equal to those originally installed.
 * Schematic diagram is subject to change without notice.

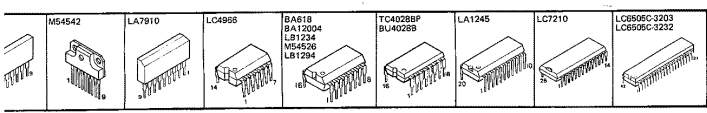


R	U.C.	A
R1 F101	10425KV	T4.0A25KV
R2 T101	XC115	XC116 XC117
R3 R272	OPEN	1/2P2.2H OPEN
R4 C855,556	IS00P	1004P
R5		
R6		
R7		

RESISTOR	PARTS NAME
NO MARK	CARBON FILM RESISTOR (1/2W)
⊖	METAL OXIDE FILM RESISTOR
△	DELTA FILM RESISTOR
⊕	FILM PROOF CARBON FILM RESISTOR
□	PERMIT VARIOUS RESISTOR
○	HEAT VARIABLE RESISTOR

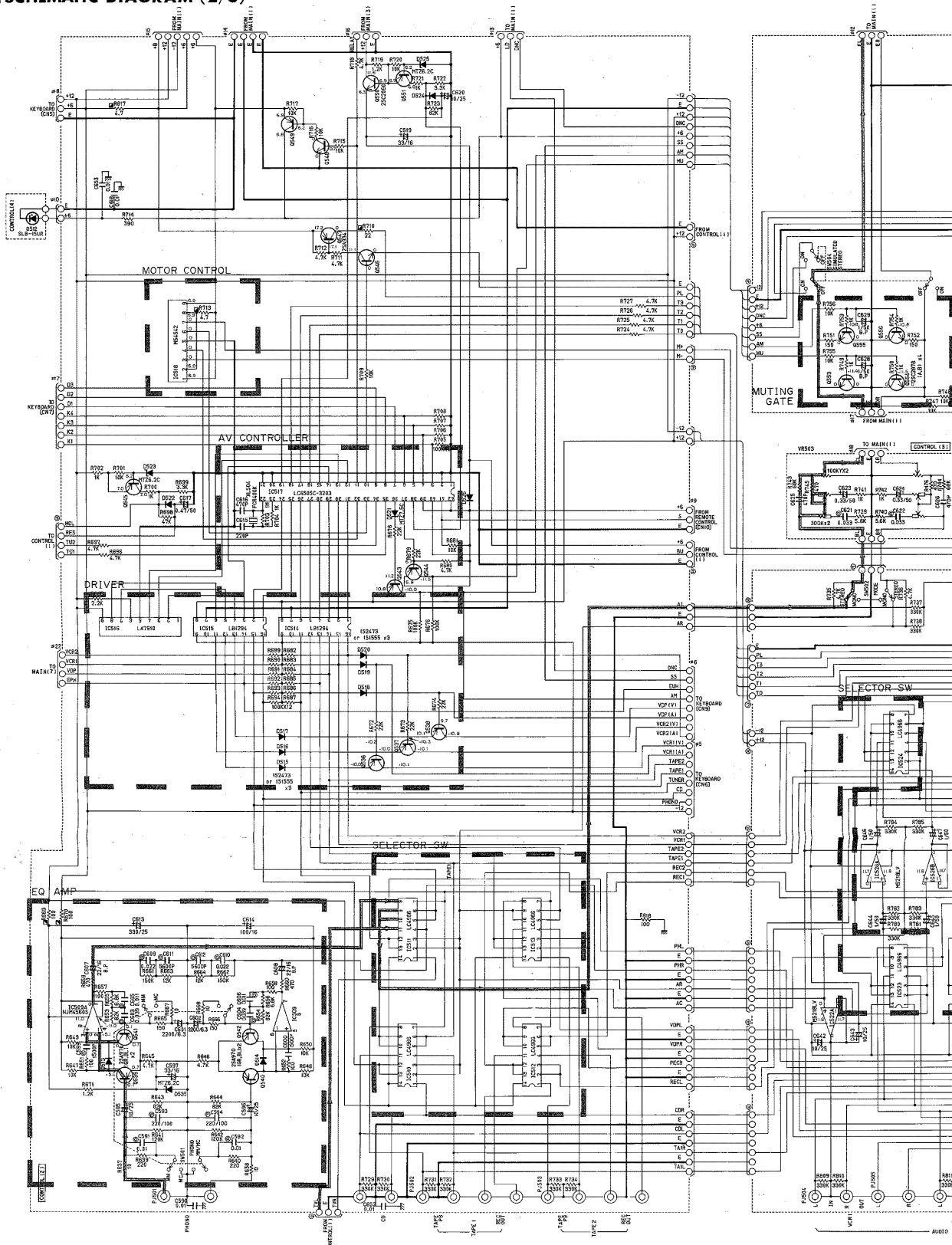
CAPACITOR	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
NO MARK	CERAMIC CAPACITOR
⊖	POLYESTER FILM CAPACITOR
⊕	POLYPROPYLENE FILM CAPACITOR
○	RICK CAPACITOR
⊖	POLYPROPYLENE FILM CAPACITOR
⊕	NONPOLARIZABLE CERAMIC CAPACITOR

Unless otherwise specified
 PNP TRANSISTOR 2SA1015 (V)
 NPN TRANSISTOR 2SC1815 (V)
 DIODE 1SS133

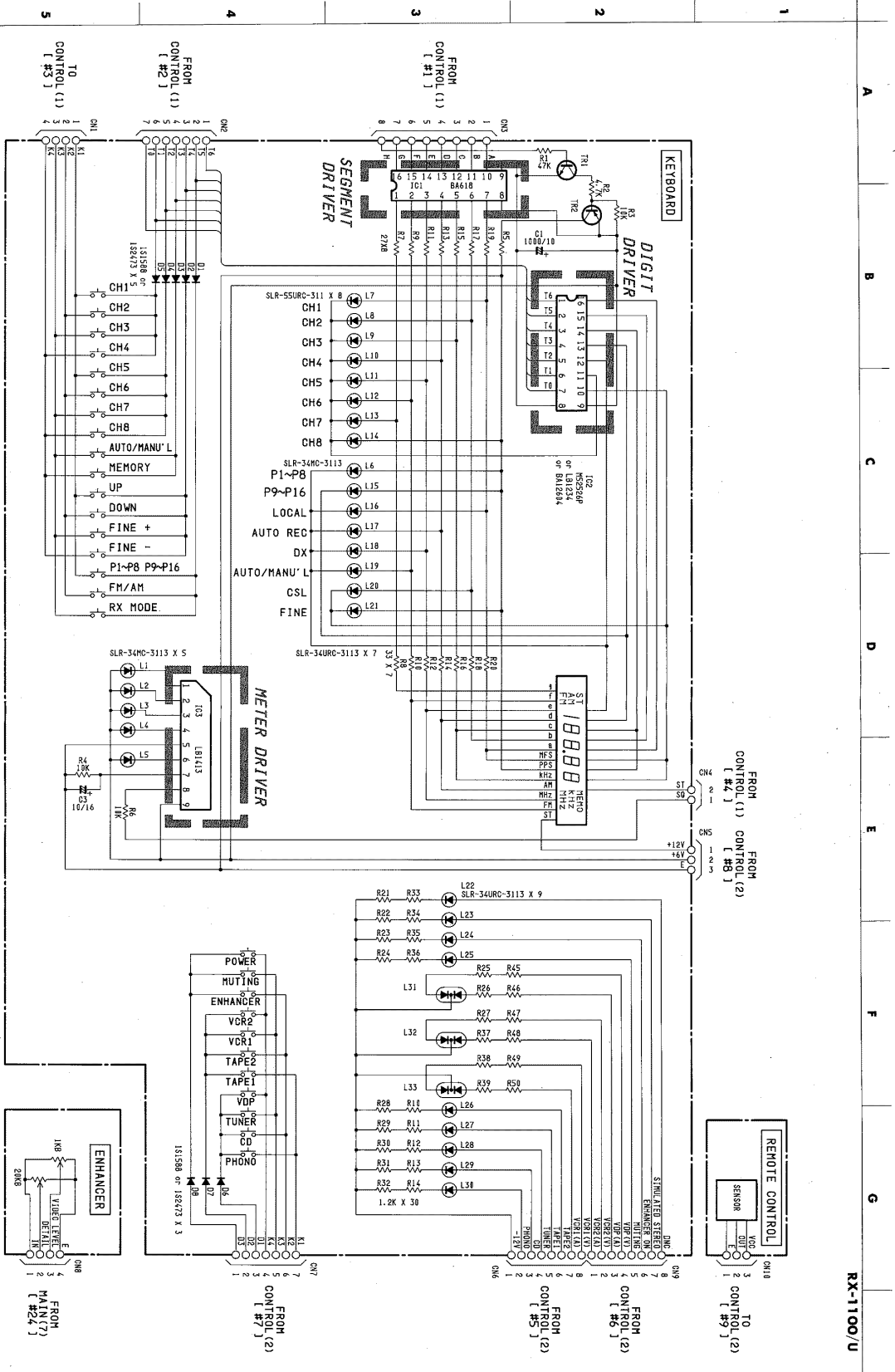


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 * Schematic diagram is subject to change without notice.

■ SCHEMATIC DIAGRAM (2/3)



28C220	28C278 (A, B)	28D1485	28A1306	28A1265	161588	MT76.2C	DSF820	μPC577H (E, F)	NJM4560G	M5220L	BA6110	NJM4568S	LB1413	M54542
28A999	28C2060	28D1913	28C2398	28C3182	16152473					M54459L				
28A934	28C1740S (S, RI)				151855					M5213L				
28A974 (GR, BL)	28C2803 (E, F)				158133									
28A1015 (Y)	28C2372 (R, S, T)				15882									
28A933S (Q, R)	28A970 (GR, BL)				15R25-100A									
28A1115 (E, F)	28A1145 (O, Y)				H22A-2									
28A1310 (R, S, T)	28B1274				H212A3									
28C1815 (Y)	28C2240 (GR, BL)				MT77.5C									
28C1821	28C2705 (O, Y)				MT75.1B									



RX-1100/U

* All voltages are measured with a 10kΩ DC electric voltmeter.
 * Components with a triangle symbol are critical components and must be replaced with parts having specifications equal to those originally installed.
 * Schematic diagram is subject to change without notice.