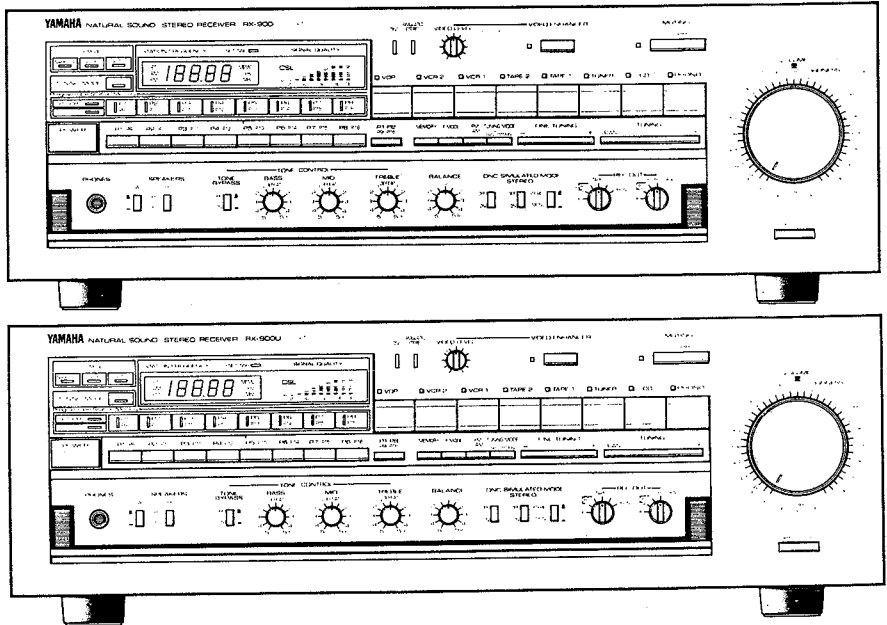
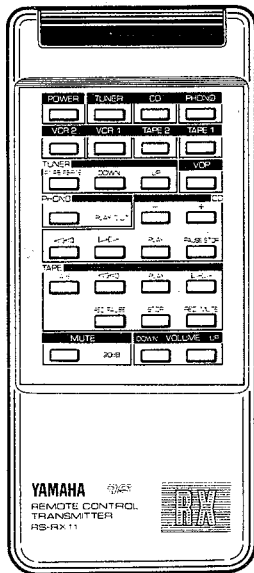


STEREO RECEIVER

RX-900/900U

SERVICE MANUAL



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, 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	14~17
REAR PANELS	1	BLOCK DIAGRAM	18.19
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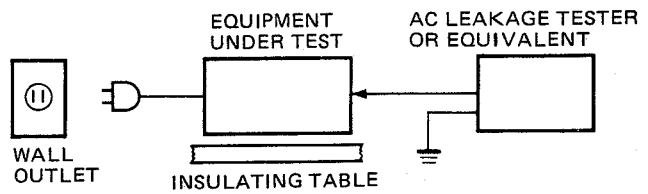


YAMAHA

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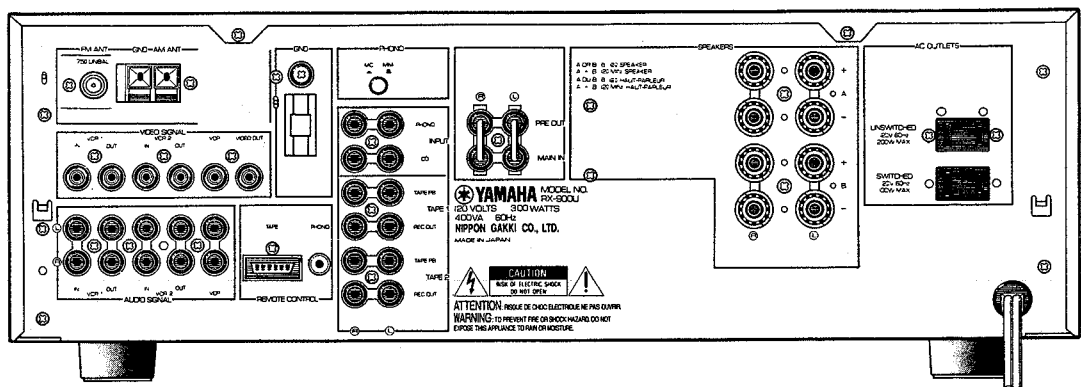
TO SERVICE PERSONNEL

- Critical Components Information.**
 Components having special characteristics are marked  and must be replaced with parts having specifications equal to those originally installed.
- 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.

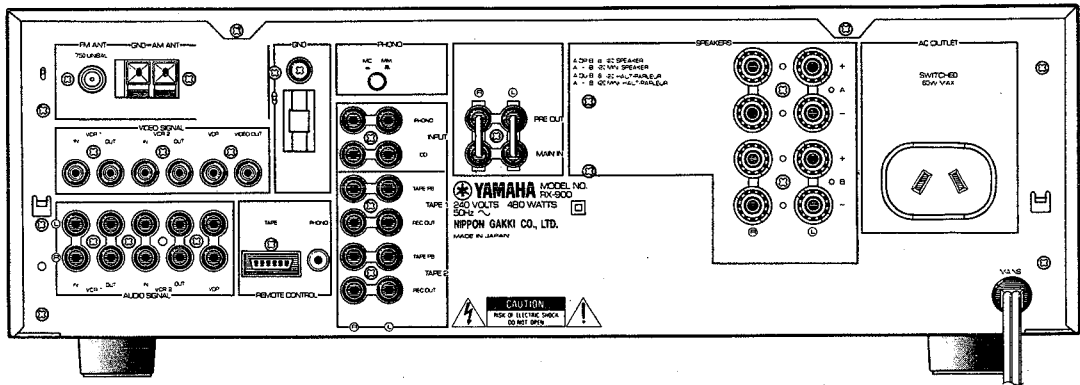


REAR PANELS

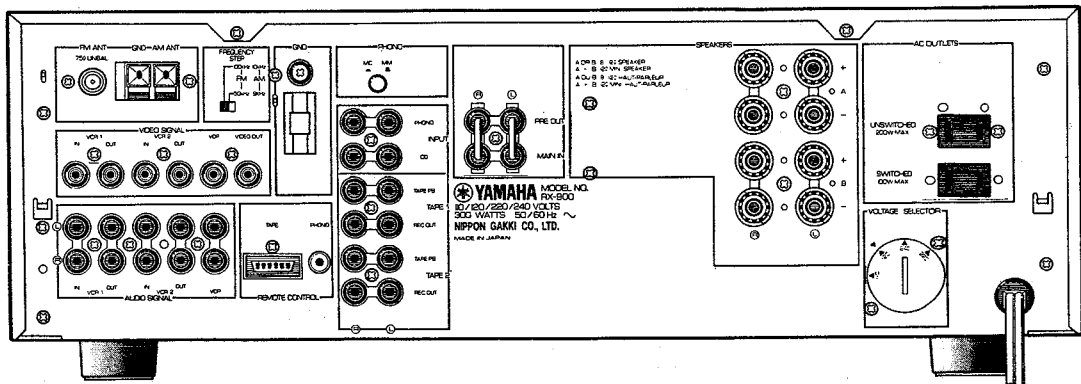
U.S.A. & Canadian models



Australian model



Others model



RX-900/900U

■ SPECIFICATIONS

■ AUDIO SECTION

Minimum RMS Output Power Per Channel	
20Hz~20kHz, 0.015% THD, 8Ω	85W
0.03% THD, 6Ω	100W
Dynamic Power Per Channel	
8Ω	130W
6Ω	150W
4Ω	190W
2Ω	200W
Dynamic Headroom	
8Ω	1.84dB
Power Band Width	
0.1% THD, 42.5W, 8Ω	10Hz~50kHz
Damping Factor	
1kHz, 8Ω	60
Input Sensitivity/Impedance	
Phono MM	2.5mV/47kΩ
Phono MC	160μV/220Ω
CD/etc.	150mV/47kΩ
MAIN IN	1V/47kΩ
Input Sensitivity (New IHF)	
Phono MM	0.27mV
Phono MC	17μV
CD/etc.	16.3mV
Maximum Input Signal	
Phono, 1kHz, 0.01% THD MM	110mV
MC	8mV
Output Level/Impedance	
REC OUT	150mV/470Ω
PRE OUT	1V/1kΩ
Maximum Voltage Output	
20Hz~20kHz, 0.01% THD, PRE OUT	2.5V
Headphone Jack Rated Output/Impedance	
0.015% THD (8Ω)	0.75V/8Ω
Frequency Response	
20Hz~20kHz, CD/etc.	+0, -0.3dB
MAIN IN	+0, -0.3dB
RIAA Equalization Deviation	
20Hz~20kHz, Phono MM RIAA	0±0.3dB
30Hz~20kHz, Phono MC RIAA	0±0.5dB
Total Harmonic Distortion (20Hz~20kHz)	
Phono MM to Rec Out 3V	0.003%
Phono MC to Rec Out 3V	0.005%
CD/etc. to SP Out 42.5W/8Ω	0.006%
VIDEO to SP Out 42.5W/8Ω	0.006%
Intermodulation Distortion	
CD/etc. to Rated Output/8Ω	0.01%
Signal to Noise Ratio (IHF-A-Network)	
Phono MM (5mV Input Shorted)	92dB
Phono MC (500μV Input Shorted)	75dB
CD/etc. (Input Shorted)	103dB
VIDEO (Input Shorted)	91dB
Signal to Noise Ratio (New IHF)	
Phono, MM	75dB
MC	75.5dB
CD/etc.	81dB
Residual Noise (IHF-A-Network)	120μV
Channel Separation (Vol. -30dB)	
Phono Input Shorted, 1kHz	60dB
CD/etc. Input 5.1kΩ, 1kHz	60dB
Tone Control Characteristics	
BASS boost/cut	0±10dB (at 50Hz)
turnover frequency	350Hz
TREBLE boost/cut	0±10dB (at 20kHz)
turnover frequency	3.5kHz
MID control range	0±12dB (at 1kHz)
center frequency	1kHz
Filter Characteristics	
Low	10Hz (-12dB/Oct.)
Continuous Loudness Control (Level related qualization)	
Attenuation	-40dB (at 1kHz)
Audio Muting	-20dB
■ VIDEO SECTION	
VIDEO Input Sensitivity/Impedance	
VCR/VDR	1V/75Ω
VIDEO maximum Input Signal	
VCR/VDP	2V
VIDEO Output Level/Impedance	
VCR OUT/VIDEO OUT	1V/75Ω

VIDEO Frequency Response	
10Hz~15MHz	0±1dB
VIDEO Signal; to Noise Ratio	
White, 50%	dB
VIDEO Level Control	0±dB

■ FM SECTION

Tuning Range	87.5 to 108.0MHz
50dB Quieting Sensitivity (IHF)	
Mono, 75Ω	1.5μV (14.8dBf)
Stereo, 75Ω	20μV (37.3dBf)
Usable Sensitivity	
1kHz, 100% MOD, 75Ω	
(30dB S/N Quieting)	0.75μV (8.8dBf)
Image Response Ratio	40dB
IF Response Ratio	90dB
Spurious Response Ratio	70dB
AM Suppression Ratio	55dB
Capture Ratio	1.2dB (Local)
	2.5dB (DX)
Alternate Channel Selectivity	85dB
Signal to Noise Ratio (IHF)	
Mono	85dB
Stereo	81dB
Harmonic Distortion	
Mono 100Hz	0.05%
1kHz	0.05%
6kHz	0.1%
Stereo 100Hz	0.07%
1kHz	0.07%
6kHz	0.15%
Stereo Separation	
50Hz	45dB
1kHz	54dB
10kHz	45dB
Frequency Response	
30Hz to 13kHz	0±0.5dB

■ AM SECTION

Tuning Range	530 to 1620kHz ((U)(C)
	531 to 1620kHz (A)(R)
Usable Sensitivity (IHF)	250μV/m
Selectivity	24dB
Signal to Noise Ratio	50dB
Image Response Ratio	40dB
Spurious Response Ratio	50dB
Harmonic Distortion (400Hz)	0.3%

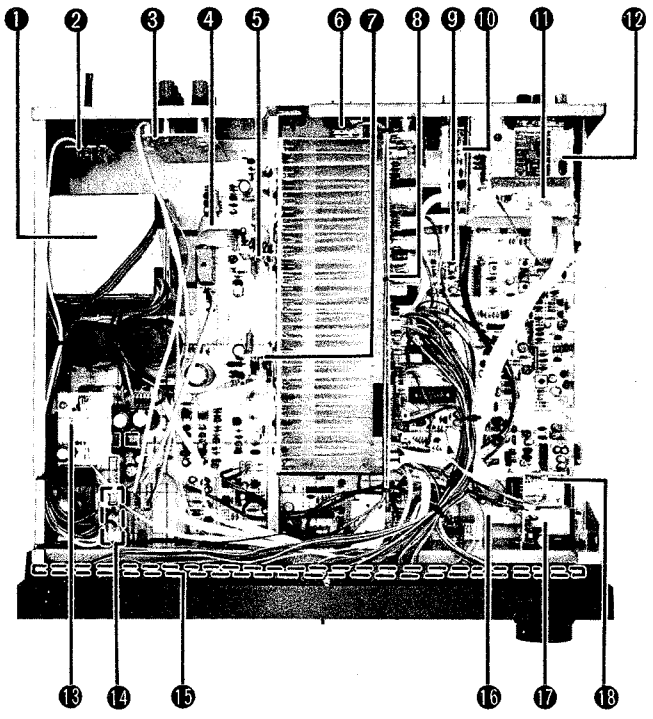
■ GENERAL

Power Supply	
U.S.A. & Canadian Models	120VAC, 60Hz
Australian Model	240VAC, 50Hz
Others Model	110/120/220/240V AC
	50/60Hz
Power Consumption	300W (R)(U)(C)
	480W (A)
AC Outlet	
Switched x 1	100W Max (U)(C)(R)
	60 W Max (A)
Unswitched x 1	200W Max (R)(U)(C)
Dimensions (W x H x D)	435 x 151 x 423mm
	(17-1/8" x 5-15/16" x 16-5/8")
Weight	11kg (24lbs 3 oz)

CD/etc. : CD/VIDEO/TUNER/AUX/TAPE/VCR			
(U)	U.S.A. model	(G)	European model
(C)	Canadian model	(B)	British model
(A)	Australian model	(R)	Others model

*Specifications subject to change without notice.

INTERNAL VIEW



- ① Power Transformer
- ② Main Circuit Board (6)
- ③ Main Circuit Board (2)
- ④ Main Circuit Board (1)
- ⑤ Main Circuit Board (5)
- ⑥ Main Circuit Board (10)
- ⑦ Main Circuit Board (4)
- ⑧ Control Circuit Board (2)
- ⑨ Control Circuit Board (1)
- ⑩ Main Circuit Board (7)
- ⑪ Main Circuit Board (8)
- ⑫ Front-end Pack
- ⑬ Main Circuit Board (3)
- ⑭ Main Circuit Board (9)
- ⑮ Front Panel Unit
- ⑯ Control Circuit Board (3)
- ⑰ Potentiometer with Motor
- ⑱ Control Circuit Board (5)

DISASSEMBLY PROCEDURES

(Remove parts in disassembly order as numbered)

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 4 screws (③) in Fig. 1, and pull the Panel Unit forward.

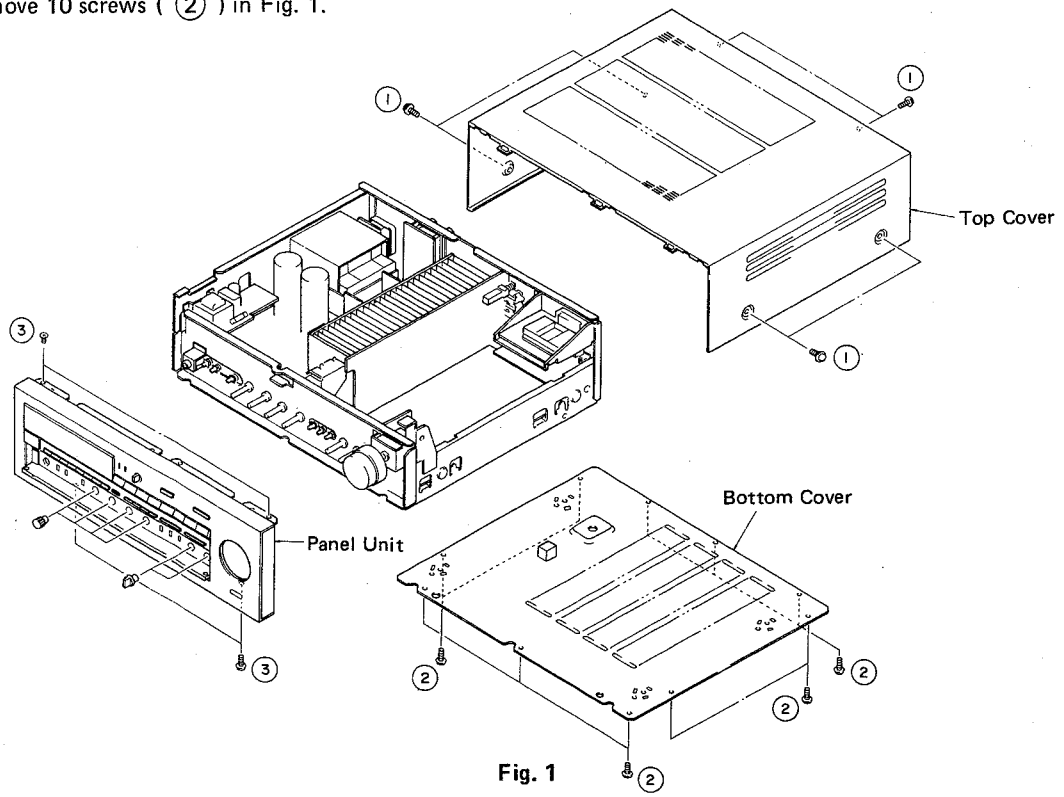


Fig. 1

RX-900/900U

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) Proceed with the AM section adjustments after having finished the FM section adjustment.
- 4) $0dB\mu = 1\mu V$ EX: $60dB\mu = 1mV$

2. Measuring instruments abbreviation

- FM SG : FM signal generator
- SSG : Stereo signal generator
- AM SG : AM signal generator
- DIST. M : Distortion meter
- FC : Frequency counter
- A.C.V.M. : AC voltagemeter
- D.C.V.M. : DC voltagemeter
- F.C. : Frequency counter

<POWER SUPPLY CHECK>

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

Test point		Remark
Main	Q152 EMITTER	+12 ± 1V DC
	Q153 EMITTER	-12 ± 1V DC
	Q154 EMITTER	+6.5 ± 1V DC
	Q155 EMITTER	+6.5 ± 1V DC
Control	Q550 EMITTER	+6 ± 1V DC

Make sure that AC line voltage comes within

Modules	AC line voltage
U, C	120V ± 10%
G	220V ± 10%
A	240V ± 10%

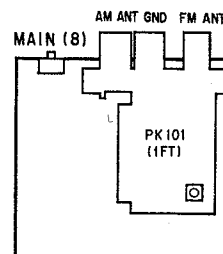
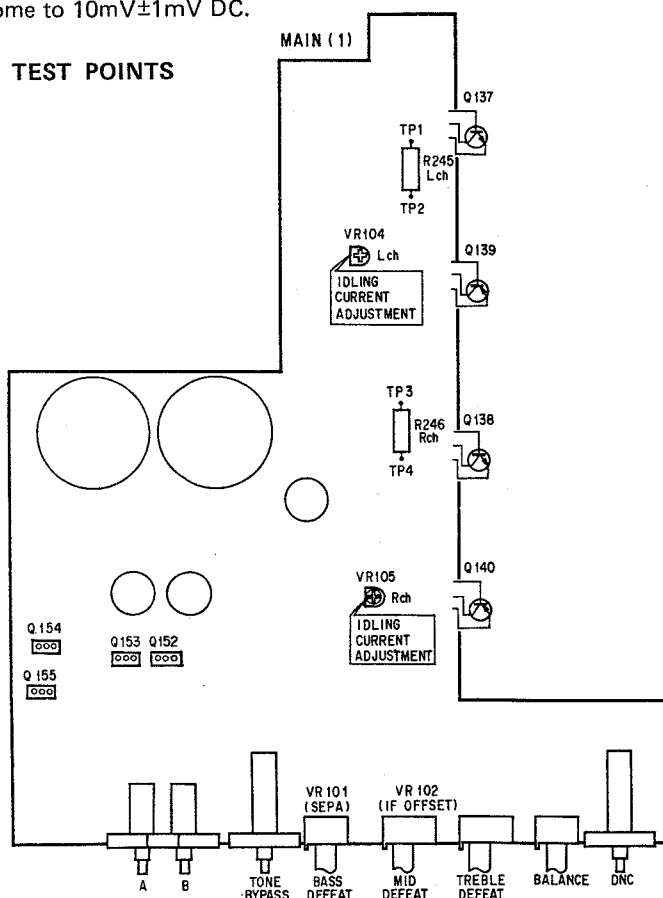
<AUDIO SECTION>

• IDLING CURRENT ADJUSTMENT

When replacing the power and drive transistors, adjust idling current. After the power has been turned on, age about 5 minutes in non loaded condition. Adjust VR104 (Lch) and VR105 (Rch) so that the voltage across the terminals of R245 (TP1 - TP2) and R246 (TP3 - TP4) come to $10mV \pm 1mV$ DC.

	Test point	Adjustment points	Raging
Lch	Across the terminals of R245 (TP1 - TP2)	VR104	$10mV \pm 1mV$
Rch	Across the terminals of R246 (TP3 - TP4)	VR105	$10mV \pm 1mV$

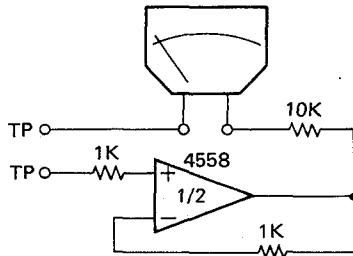
• TEST POINTS



<FM TUNER SECTION>

- Use 19kHz L.P.F. to measure the REC OUT.
- Connect the auxiliary tuning meter (ji00036- or similar) to confirm the best tuned point.
- 100% modulation means that the Frequency Deviation is 75kHz. (R) (U) (C) (A)

Auxiliary Tuning Meter



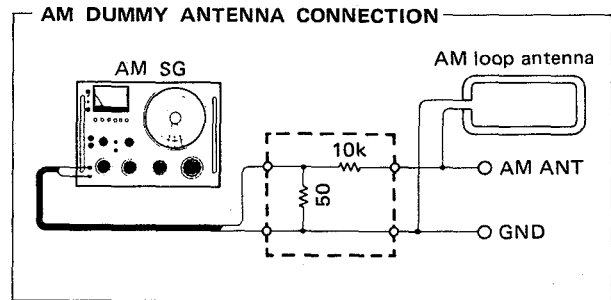
Step	Item to be adjusted	Connection terminal	Instrument required	Adjustment locations	Adjustment method	Rating or standard	Remarks
1	Discriminator balance	300Ω/75Ω FM ANT	FM SG 98MHz ± 1kHz 70dBμ (75.2dB) MONO 1kHz 100% MOD	T101 (CENTER)	Adjust the pointer of the auxiliary tuning meter points to "0" at detuned point.		
		TP ~ TP	Auxiliary tuning meter				
2	Confirmation of station tuned point set	300Ω/75Ω FM ANT	FM SG 98MHz ± 1kHz 70dBμ (75.2dBf) MONO 1kHz 100% MOD	TUNING Key AUTO → UP or DOWN	Confirm that the auxiliary tuning meter deflects to "0" when tuned to signal of FM SG.		
		NVcc ~ T.M	Auxiliary center meter				
3	Monaural distortion	300Ω/75Ω FM ANT	FM SG 98.1MHz ± 1kHz 70dBμ (81.2dBf) MONO 100Hz 100% MOD	VC101 (MONO)	Reduce distortion to minimum.	Less than -66dB	Local Mode
		REC OUT L, R	DIST. M L.P.F.				
4	Stereo distortion	300Ω/75Ω FM ANT	FM SG, SSG 98.1MHz ± 1kHz 70dBμ (81.2dBf) STEREO L, R 1kHz, 100% MOD	IFT in Front-end	Same as step 3	Less than -56dB	Confirm that Stereo indicator lights up. Local Mode
		REC OUT L, R	DIST. M L.P.F.				
5	Confirmation of monaural distortion	300Ω/75Ω FM ANT	FM SG 98.1MHz ± 1kHz 70dBμ (81.2dBf) MONO 1kHz 100% MOD			Less than -56dB	
		REC OUT L, R	DIST. M L.P.F.				
6	Separation	300Ω/75Ω FM ANT	FM SG SSG 98.1MHz ± 1kHz 70dBμ (81.2dBf) STEREO L, R 1kHz 100% MOD	VR 101 (SEPA)	Separation maximum. (L→R, R→L)	Less than 40dB	
		REC OUT L, R	ACVM L.P.F.				

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Step	Item to be adjusted	Connection terminal	Instrument required	Adjustment locations	Adjustment method	Rating or standard	Remarks
7	Confirmation of discriminator balance	300Ω/75Ω FM ANT	FM SG 98.1kHz ± 1kHz 70dBμ (81.2dBf) MONO 1kHz 100% MOD		Confirm that the auxiliary tuning meter points to "0" at detuned point.		If not: Report from step 1.
		REC OUT L, R	Auxiliary center meter or DCVM				
8	Full-scale signal quality level	300Ω/75Ω FM ANT	FM SG, SSG 98.1MHz ± 1kHz 70dBμ (81.2dBf) MONO 1kHz, 30% MOD				
		REC OUT L, R	DCVM				
9	IF Offset	300Ω/75Ω FM ANT	FM SG 98MHz ± 1kHz 70dBμ (75.2dBf) STEREO L, R 1kHz 30% MOD	VR102 (IF OFFSET) Frequency display	By shorting across terminals K4 and T6, the frequency display shifts 1 digit. Therefore, adjust VR102 until 10kHz digit becomes 9 or 0.		After adjustment open across K4 and T6.
		K4 ~ T6	Short				
10	Confirmation of auto search reception	300Ω/75Ω FM ANT	FM SG 98.1MHz ± 1kHz 20dBμ (31.2dBf/75Ω), MONO 1kHz 30% MOD			Confirm that auto search reception is possible with the tuning UP/DOWN key.	Confirm that muting is performed at auto reception.

<AM TUNER SECTION>

- Connect the AM loop antenna to the AM ANT terminals.
- Connect the AM dummy antenna for adjustment.
- Shorting K4 and T6 while set at FM will result in automatic memory of each preset from P1/P9 to P8/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	AM 1440kHz	FM 87.5MHz	FM 95.1MHz

P6/P14	P7/P15	P8/P16
FM 98.1MHz	FM 101.5MHz	FM 108.0MHz

Step	Item to be adjusted	Connection terminal	Instrument required	Adjustment locations	Adjustment method	Rating or standard
1	Confirmation of sensitivity	AM ANT	AM SG AM dummy antenna 630kHz ± 0.1kHz 1080kHz ± 0.1kHz 1440kHz ± 0.1kHz 400Hz, 30% MOD	PRESET STATION key P1/P9 P2/P10 P3/P11	Obtain AM SG output level where distortion become 10%.	Less than 58dBμ (69.2dBf)
		OUTPUT	A.C.V.M. DST. M.			
2	Full-scale signal quality level					
3	Confirmation of auto search reception	AM ANT	AM SG AM dummy antenna 1080kHz ± 0.1kHz 60dBμ (71.2dBf) 400Hz, 30% MOD	TUNING key UP to DOWN	Confirm that auto search reception is possible with the tuning UP/DOWN key.	Confirm that muting is performed at auto reception.

< DIGITAL CONTROL SECTION >

Step	Confirmation item	Connection terminal	Instrument required	Operation key	Confirmation method
1	Preset memory	300Ω FM ANT	FM SG, SSG 98MHz ± 1kHz 70dBμ (75.2dBf) STEREO, L, R 1kHz, 100% MOD	FUNCTION key TUNING MODE key TUNING key (Up to DOWN) MEMORY key PRESET STATION key P1-P8/P9-P16	1 Receive FM 98MHz by means of auto search. 2 Set P1-P8 → P1-P8 indicator lights. 3 Press MEMORY key → MEMORY indicator flashes about 5 seconds. 4 Press P1 → MEMORY indicator goes OFF P1 of PRESET STATION indicator lights.
		AM ANT	AM SG AM dummy antenna 1080kHz ± 0.1kHz 80dBμ 400Hz, 30% MOD		5 Receive AM 1080kHz 6 Press MEMORY key → MEMORY indicator flashes about 5 seconds. 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 lights.
		AM ANT	AM SG AM dummy antenna 1080kHz ± 0.1kHz 80dBμ (91.2dBf) 400Hz, 30% MOD		9 Set P9-P16 → P9-P16 indicator flashes. 10 Press MEMORY key → MEMORY indicator flashes. 12 Press P9 → MEMORY indicator goes OFF. P9-P16 indicator lights. P9 indicator lights.
				13 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 mono TUNING MODE indicator → Goes out ST indicator → Goes out Check that tuning operation stops when tuned while AUTO searching. TUNING MODE indicator → lights up 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 10kHz step seach. 4 Press P2 and content is read out (AM) 5 Press FINE TUNING key and check that 1kHz step seach.
4	Receiving Mode			PRESET STA- TION 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. P1 of PRESET STATION indicator lights.

RX-900/900U

■ μ -COM 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, precise automatic station search (applicable to all areas of the world and multiple bands) by SL² (Signal Locked Loop) voltage synthesizer, and optimum tuning point reception by AFC operation.

When combined with a prescaler ($\div 100$), this LSI can be controlled by a 4-bit microcomputer in the controller.

The functions are:

- SL² auto search-control
- PLL control
- Analog switch for S-curve AFC
- Station-originated frequency counter
- Data generation for FM band IF offset adjustment (5 bits)

Terminal No.	Description	I/O	Function
1	Xin	IN	Oscillation terminals. By connecting Quartz across Xin and Xout, and load capacity across both terminals and Vss, basic clock signal is generated (32kHz).
2	Xout	OUT	
3	Vss	—	Ground terminal
4	DI/DO	IN	Pull-up feature. Input terminal which controls whether data terminal (D ₀ ~ D ₃) signal is input mode (DI/DO = 1) or output mode. (DI/DO = 0).
5	STB	IN	Pull-up feature. Determines the timing of internal latch, FF clock pulse and set/reset signal which are determined by control input (C ₀ ~ C ₃).
6	D ₃	I/O	I/O terminals. Push-pull output. Transfers (DI/DO = 1) data to internal data bus (4 bits) or outputs the contents of internal data bus.
7	D ₂		
8	D ₁		
9	D ₀		
10	C ₃	IN	Pull-up feature. Input used to create signal which specifies which logic is to be connected with internal data bus.
11	C ₂		
12	C ₁		
13	C ₀		
14	M/L	OUT	Outputs "1" only when received band is AM NC.
15	PLL	OUT	Push-pull. Outputs "1" while PLL operation is made.
16	Sout	OUT	Tri-state. Connected with push-pull output and analog switch. ● PLL mode: Charge pump output can be obtained. ● SEARCH mode: Auto search output can be obtained. ● AFC mode: Conducts to Sin terminal via analog switch. High impedance state in other modes
17	\overline{SD}	IN	Controls whether reception is made by SL ² or PLL when FM is received.
18	Sin	IN	Connected with analog switch or comparator input. ● AFC mode: Conducts to Sout terminal via analog switch and makes reception by AFC. ● AUTO SEARCH mode: Discriminates S signal between SH and SL via wind comparator and uses as input which controls search speed limit and stop.
19	AFC	OUT	Outputs "1" in AFC mode. Outputs "0" in other than AFC mode.
20	SMK	IN	Prohibits search stop and speed control by SH and SL in AUTO SEARCH mode ("1"). Controls when "0" is input.
21	F/A	OUT	Band data output terminal. Outputs "1" in FM mode.
22	Ain	IN	AM (FM) local oscillator frequency input terminal. Pull-down transistor is turned on in FM mode.
23	Fin	IN	1/100 dividing output of AM (FM) local oscillator frequency is input. Pull-down transistor is turned off in FM mode in which reception is not made by AFC.
24	VDD	—	Power source +5V
25	A/D	IN	Input used to generate data for compensating the shift of center frequency of FM IF filter.
26	Vref	—	Power source for setting wind comparator level (Sin) and power source for A/D converter ladder network of FM fine.
27	\overline{PSC}	OUT	Outputs "0" when PLL or counter is operated in FM mode. Outputs "1" in other cases (other than when reception is made in FM mode, and other than in FM mode).
28	LOC	I/O	Detects the locking of CSL operation, connected with CR integration circuit. Judges as LOCK state when "1" is input and as UNLOCK state when "0" is input.

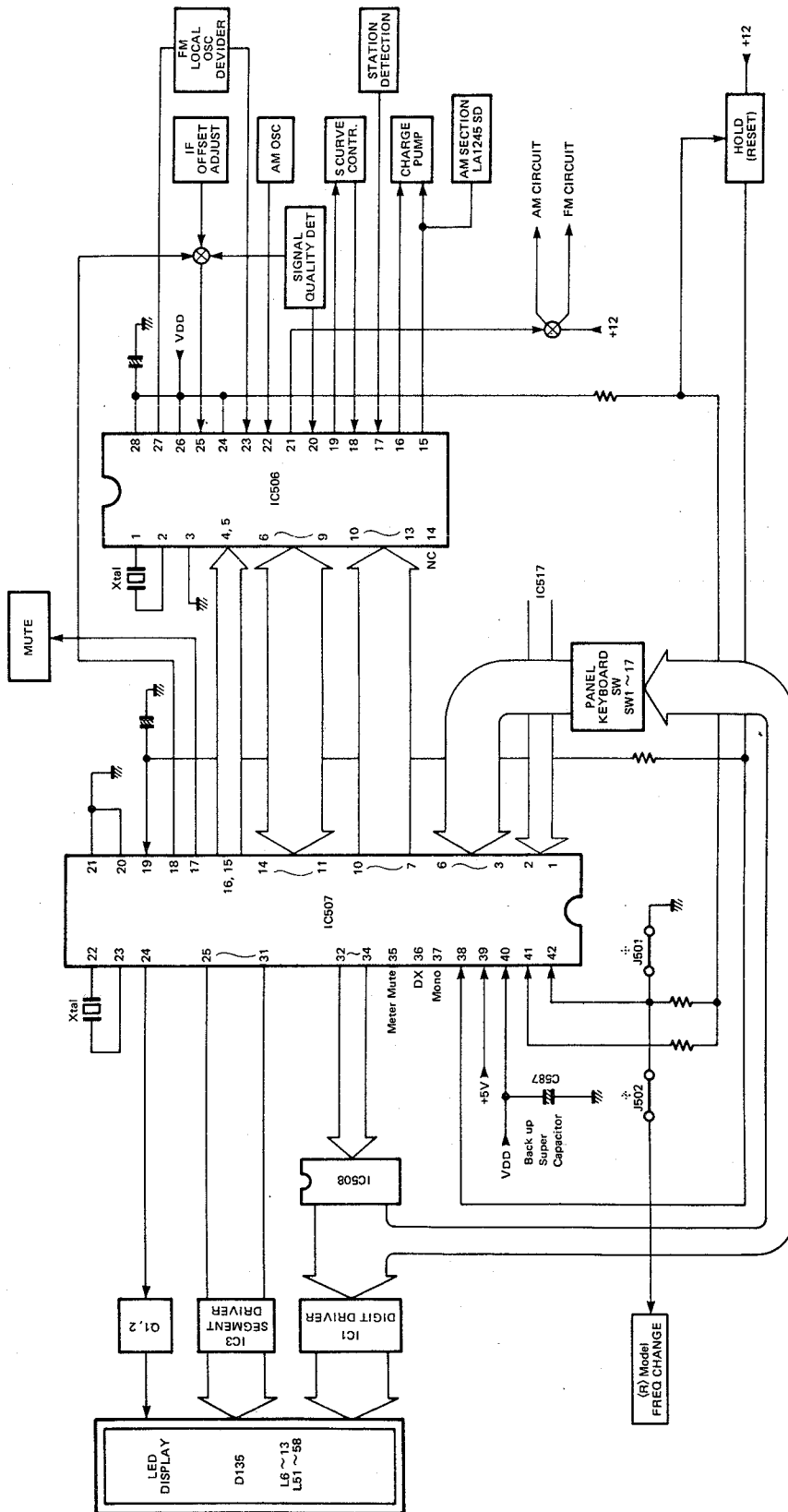
● IC507: CSL Controller 3232 (LC6505C-3232)

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

Terminal No.	Description	I/O	Function									
1	PA2 TU2	IN	REMOTE CONTROL SIGNAL INPUT <table border="1" style="float: right; margin-left: 20px;"> <tr> <td style="text-align: center;">1 pin 2 pin</td> <td style="text-align: center;">0</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">NOT USED</td> <td style="text-align: center;">CH UP</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">CH DOWN</td> <td style="text-align: center;">A/B CHANGE</td> </tr> </table>	1 pin 2 pin	0	1	0	NOT USED	CH UP	1	CH DOWN	A/B CHANGE
1 pin 2 pin	0	1										
0	NOT USED	CH UP										
1	CH DOWN	A/B CHANGE										
2	PA3 TU1	IN										
3	PB ₀ K1	IN	Key matrix input. Judges the switches 1 to 17.									
4	PB ₁ K2	IN										
5	PB ₂ K3	IN										
6	PB ₃ K4	IN										
7	PC ₀ CO	OUT	Control output. Specifies which logic of LC7210 is connected with data bus.									
8	PC ₁ C1	OUT										
9	PC ₂ C2	OUT										
10	PC ₃ C3	OUT										
11	PD ₀ D0	I/O	Data bus. Sends and receives data to and from LC7210.									
12	PD ₁ D1	I/O										
13	PD ₂ D2	I/O										
14	PD ₃ D3	I/O										
15	PE _n STB	OUT	Strobe output.									
16	PE ₁ DI/DO	OUT	Specifies the direction of I/O of data bus.									
17	PE ₂ MUT	OUT	Muting output. +4.5V (reference value) in MUTING mode.									
18	PE ₃ A/D	OUT	Signal Quality/IF Offset select. Signal Quality at "1" IF Offset at "0".									
19	$\overline{\text{RES}}$	IN	Reset input. +5V in normal condition.									
20	TEST	—										
21	V _{ss}	—	Power ground.									
22	OSC1	IN	Terminals for clock oscillating circuit.									
23	OSC2	OUT										
24	PF ₀ $\overline{\text{H}}$	OUT	Display, segment output.									
25	PF ₁ $\overline{\text{G}}$	OUT		h segment.								
26	PF ₂ $\overline{\text{F}}$	OUT		g segment.								
27	PF ₃ $\overline{\text{E}}$	OUT		f segment.								
28	PG ₀ D	OUT		e segment.								
29	PG ₁ C	OUT		d segment.								
30	PG ₂ B	OUT		c segment.								
31	PG ₃ A	OUT	b segment.									
32	PH ₀ TA	OUT	Display, digit output.									
33	PH ₁ TB	OUT		a segment.								
34	PH ₂ TC	OUT										
35	PH ₃ Mute	OUT	Meter Mute Control									
36	PI ₀ DX	OUT	DX Mode Control									
37	PI ₁ MONO	OUT	Mono Mode Control									
38	$\overline{\text{HOLD}}$	IN	Hold mode demand input terminal.									
39	$\overline{\text{INT}}$	—	Not used (Pull up to +5V)									
40	V _{dd}	—	Power source +5V									
41	PA ₀ A0	IN	Destination symbol.									
42	PA ₁ A1	IN										

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● Block Diagram of Microcomputer Peripheral Circuit



* Marked

	R	U, C	A
J501	OPEN	OPEN	SHORT
J502	SHORT	OPEN	OPEN

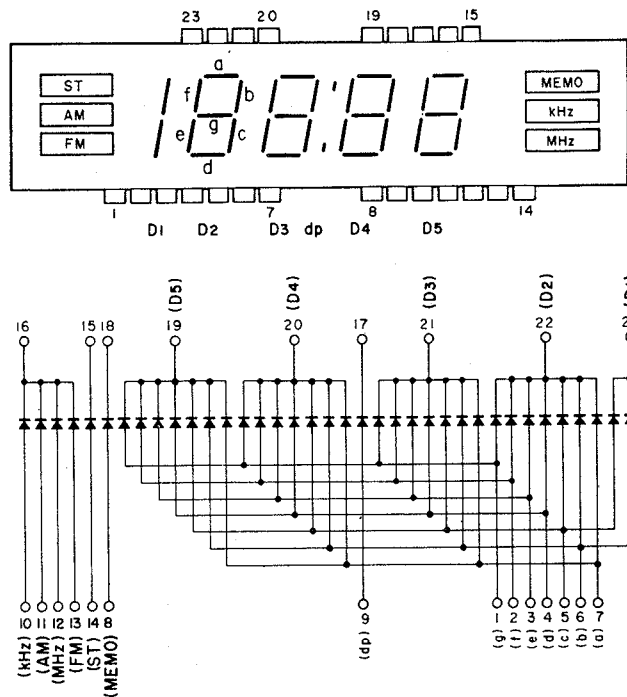
● IC517: A, V Controller 3203 (LC6505C-3203)

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

Terminal No.	Description	I/O	Function
1	PA ₂	IN	INPUT port A ₀ ~ A ₃ Input by 4 bit and decision by 1 bit for branch are possible. Also used for HALT mode cancel request input.
2	PA ₃		
3	PB ₀	IN	INPUT port B ₀ ~ B ₃ Input by 4 bit and decision by 1 bit for branch are possible.
4	PB ₁		
5	PB ₂		
6	PB ₃		
7	PC ₀	IN/ OUT	IN/OUT common port C ₀ ~ C ₃ When INPUT, input by 4 bit and decision by 1 bit for branch are possible. When OUTPUT, output by 4 bit and set or reset by 1 bit are possible.
8	PC ₁		
9	PC ₂		
10	PC ₃		
11	PC ₀	IN/ OUT	IN/OUT common port D ₀ ~ D ₃ When INPUT, input by 4 bit and decision by 1 bit for branch are possible. When OUTPUT, output by 4 bit and set or reset by 1 bit are possible.
12	PD ₁		
13	PD ₂		
14	PD ₃		
15	PE ₀	OUT	OUTPUT port E ₀ ~ E ₃ Output by 4 bit and set or reset by 1 bit are possible. Input of output latch content by 4 bit and decision of output latch by 1 bit for branch are possible.
16	PE ₁		
17	PE ₂		
18	PE ₃		
19	RES	IN	Reset input terminal
20	TEST	IN	LSI test terminal usually connected to V _{ss} (0V).
21	V _{ss}	—	Connected to 0V of power supply.
22	OSC 1	IN	Used by supplying external clock. Also used with OSC2 terminal and C.R. ceramic oscillator when using internal clock oscillation.
23	OSC 2	OUT	Attached to oscillatory circuit for internal clock oscillation.
24	PF ₀	OUT	OUTPUT port F ₀ ~ F ₃ Output by 4 bit and set or reset by 1 bit are possible. Input of output latch content by 4 bit and decision of output latch by 1 bit for branch are possible.
25	PF ₁		
26	PF ₂		
27	PF ₃		
28	PG ₀	OUT	OUTPUT port G ₀ ~ G ₃ Output by 4 bit and set or reset by 1 bit are possible. Input of output latch content by 4 bit and decision of output latch by 1 bit for branch are possible.
29	PG ₁		
30	PG ₂		
31	PG ₃		
32	PH ₀	OUT	OUTPUT port H ₀ ~ H ₃ Output by 4 bit and set or reset by 1 bit are possible. Input to output latch content by 4 bit and decision of output latch by 1 bit for branch are possible.
33	PH ₁		
34	PH ₂		
35	PH ₃		
36	PI ₀	OUT	OUTPUT port I ₀ , I ₁ Output by 2 bit and set or reset by 1 bit are possible. Input of output latch content by 2 bit and decision of output latch by 1 bit for branch are possible.
37	PI ₁		
38	HOLD	IN	HOLD mode request input terminal
39	INT	IN	Interrupt request input terminal
40	V _{DD}	IN	Power supply terminal usually connected to +5V terminal.
41	PA ₀	IN	INPUT port A ₀ ~ A ₃ Input by 4 bit and decision by 1 bit branch are possible. Also used for HALT mode cancel request input.
42	PA ₁		

CIRCUIT DATA

● Frequency Display



Pin No.	Function
1	segment "g" Anode
2	segment "f" Anode
3	segment "e" Anode
4	segment "d" Anode
5	segment "c" Anode
6	segment "b" Anode
7	segment "a" Anode
8	"MEMO" Anode
9	decimal point Anode
10	"kHz" Anode
11	"AM" Anode
12	"MHz" Anode
13	"FM" Anode
14	"ST" Anode
15	"ST" Cathode
16	"AM" "FM" "kHz" "MHz" Cathode
17	decimal point Cathode
18	"MEMO" Cathode
19	digit "5" Cathode
20	digit "4" Cathode
21	digit "3" Cathode
22	digit "2" Cathode
23	digit "1" Cathode

● MATRIX OF DISPLAY (Frequency Display, L6 ~ L13, L51 ~ L58)

IC108 IC107	A [31 Pin]	B [30 Pin]	C [29 Pin]	D [28 Pin]	E [27 Pin]	F [26 Pin]	G [25 Pin]	H [24 Pin]
T6 [4 Pin]	D5 a	D5 b	D5 c	D5 d	D5 e	D5 f	D5 g	
T5 [7 Pin]	D4 a	D4 b	D4 c	D4 d	D4 e	D4 f	D4 g	
T4 [1 Pin]	D3 a	D3 b	D3 c	D3 d	D3 e	D3 f	D3 g	FM DOT
T3 [1 Pin]	D2 a	D2 b	D2 c	D2 d	D2 e	D2 f	D2 g	P9-16 (L7)
T2 [15 Pin]	LOCAL (L8)	D1 b	D1 c	AUTO RX (L9)	DX (L10)	AUTO (L11)		P1-8 (L6)
T1 [2 Pin]	P-1/9 (L51)	P-2/10 (L52)	P-3/11 (L53)	P-4/12 (L54)	P-5/13 (L55)	P6/14 (L56)	P-7/15 (L57)	P8/16 (L58)
T0 [14 Pin]	MEMO	CSL (L12)	kHz	AM	MHz	FM		FINE (L13)

● MATRIX OF INPUT KEY

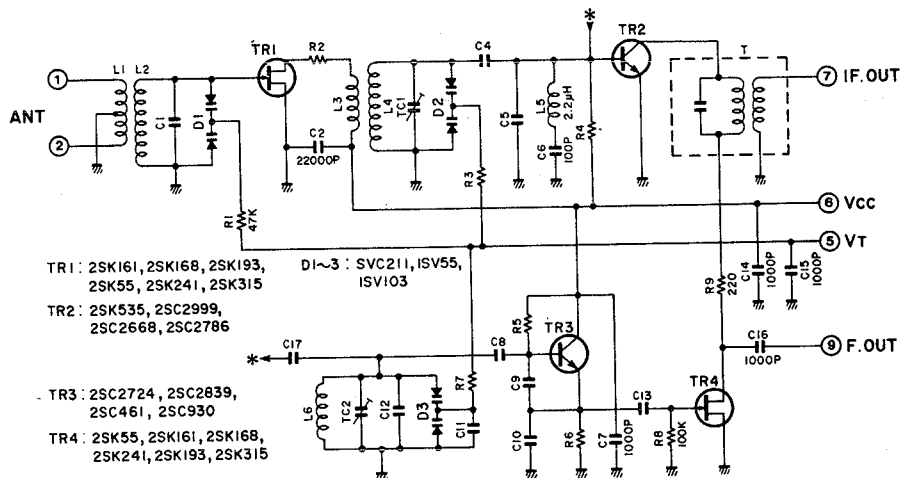
IC107 IC108	T1 [2 Pin]	T2 [15 Pin]	T3 [1 Pin]	T4 [6 Pin]	D5 [7 Pin]	T6 [4 Pin]
K1 [3 Pin]	P1/9	P5/13		UP	P1-8/ P9-16	
K2 [4 Pin]	P2/10	P6/14		DOWN	FM/AM	
K3 [5 Pin]	P3/11	P7/15	AUTO/ MAN'L	FINE UP	RECEIVING MODE	
K4 [6 Pin]	P4/12	P8/.6	MEMORY	FINE DOWN		TEST (OFFSET)

• IC107 DATA TABLE

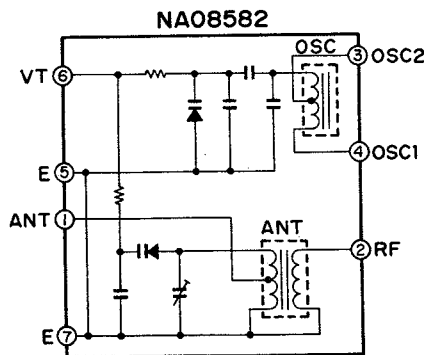
INPUT			OUTPUT						
TC [12 Pin]	TB [13 Pin]	TA [10 Pin]	T0 [14 Pin]	T1 [2 Pin]	T2 [15 Pin]	T3 [1 Pin]	T4 [6 Pin]	T5 [7 Pin]	T6 [4 Pin]
0	0	0	0	0	0	0	0	0	0
0	0	1	1	0	0	0	0	0	0
0	1	0	0	1	0	0	0	0	0
0	1	1	0	0	1	0	0	0	0
1	0	0	0	0	0	1	0	0	0
1	0	1	0	0	0	0	1	0	0
1	1	0	0	0	0	0	0	1	0
1	1	1	0	0	0	0	0	0	1

• FRONT END PACK (PK101)

PA00081



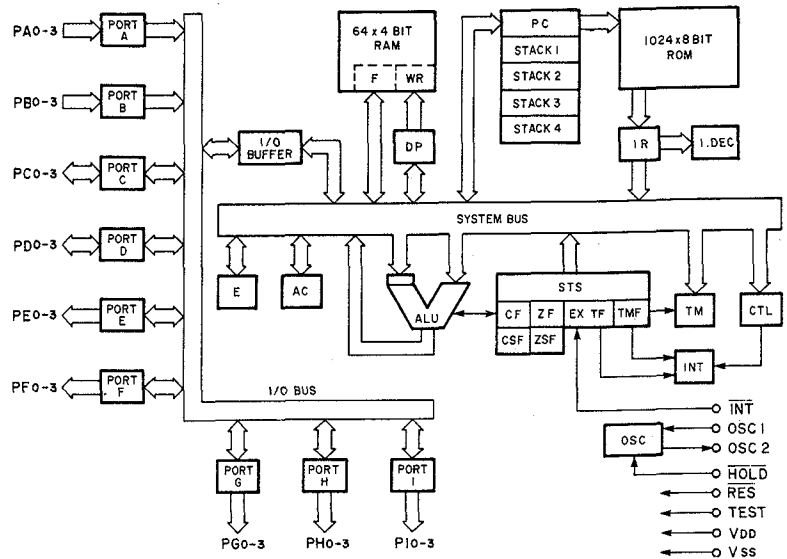
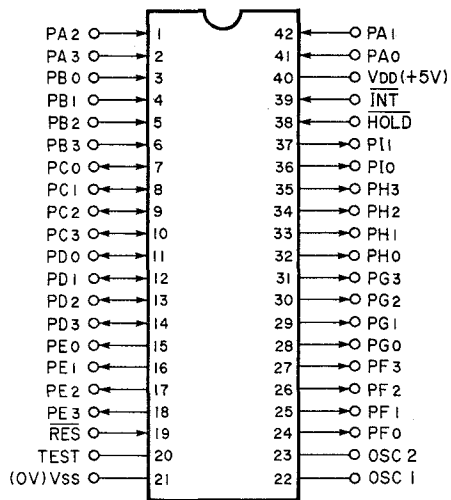
• AM Coil Pack (U101)



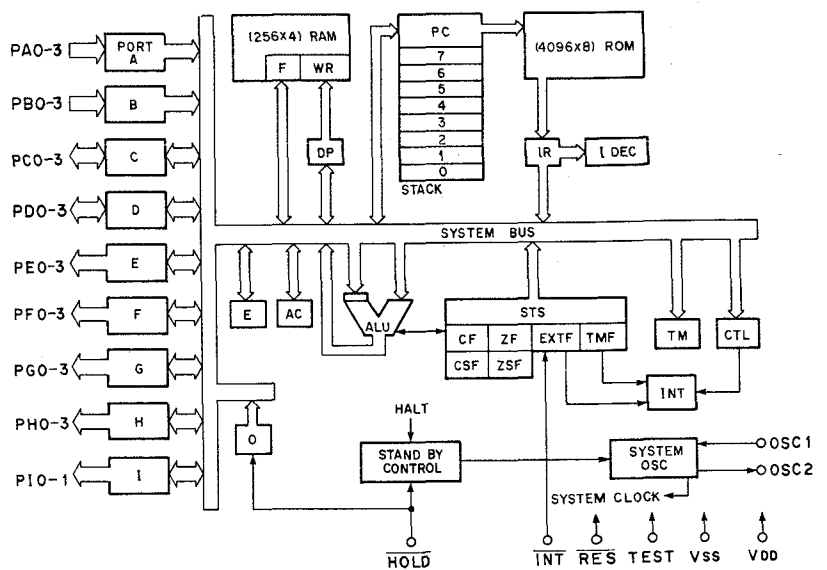
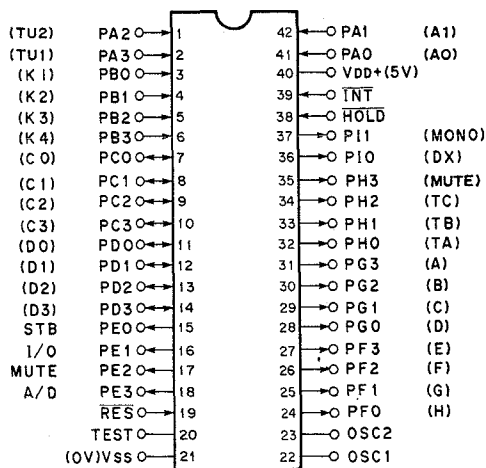
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IC BLOCK

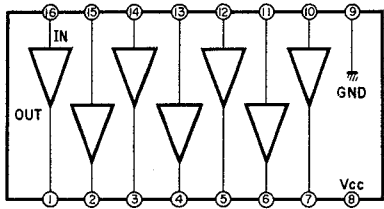
IC517: LC6505C-3203 (4 bit μ -COM)



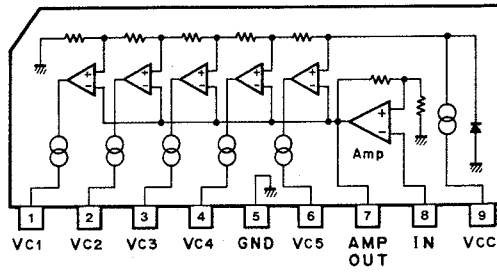
IC507: LC6510C-3232 (4 bit μ -COM)



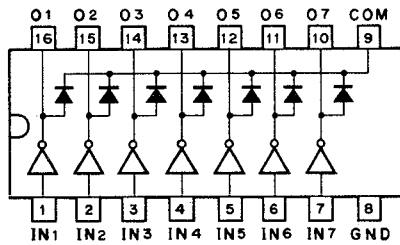
IC1: BA618 (LED Driver)



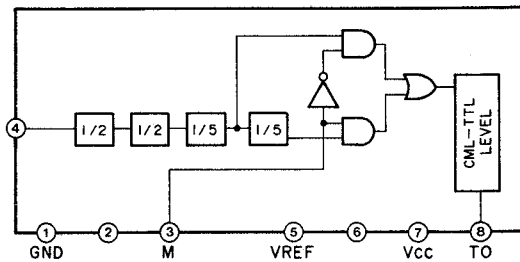
IC3: LB1413 (Level Meter)



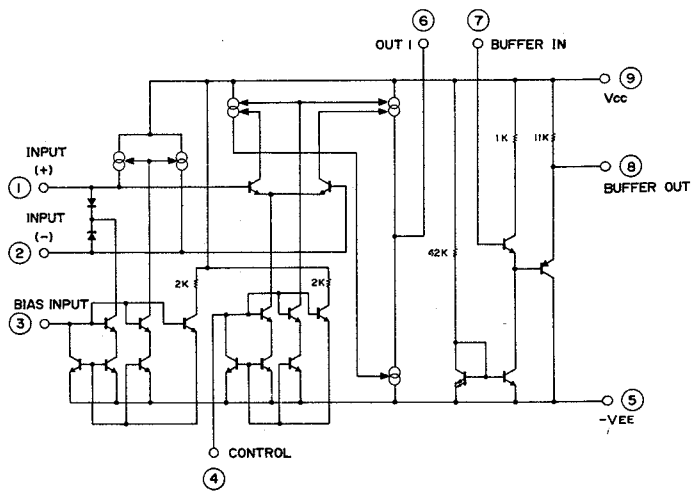
IC2: M54526 or LB1234 or BA12004 (LED Driver)



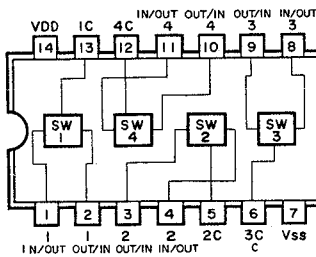
IC101: M54459L (Pre-scanner)



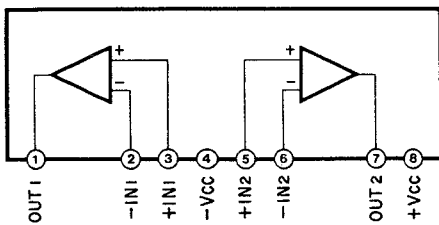
IC106, 107: BA6110 (V,C,A)



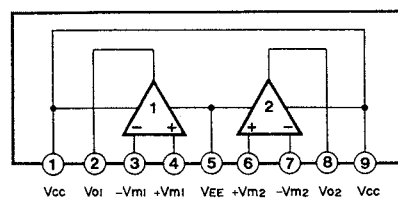
IC102~104, 510~513, 523~525: LC4966 (Switch)



IC105: M5220L (Ope-amp)

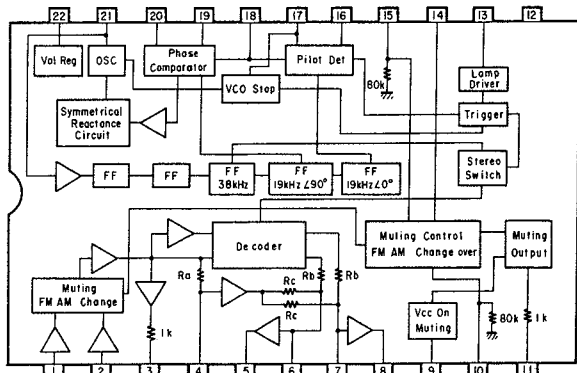


IC503, 519~521: NJM4558S (Dual Ope-amp)



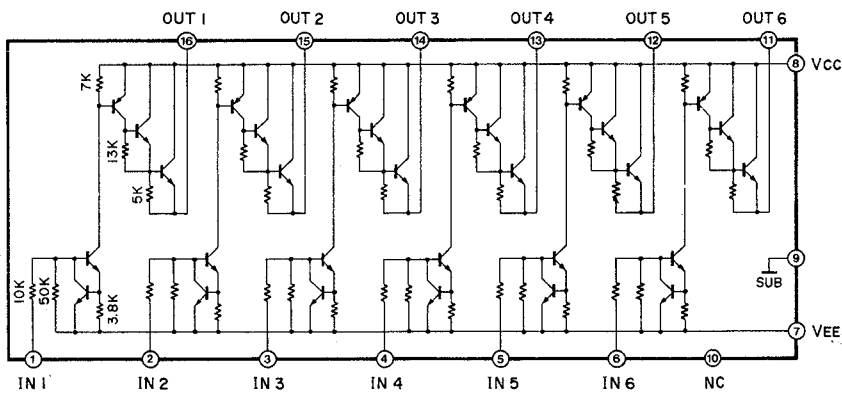
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IC504: LA3401 (MPX)

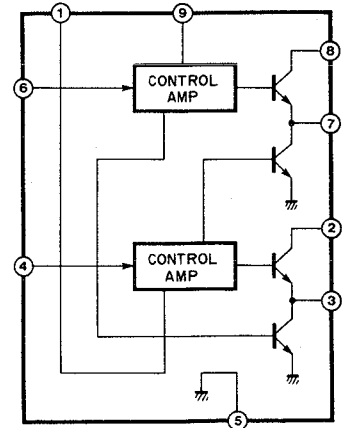


Pin No.	Function
1	Input (AM)
2	Input (FM)
3	Composite Amp Output
4	Separation Adj
5	Post Amp Output
6	Post Amp Input
7	Post Amp Input
8	Post Amp Output
9	Muting ON (Vcc)
10	AM/FM Select
11	Muting Output
12	GND
13	Stereo Indicator
14	Mute Select
15	Muting
16	Pilot Detector Filter
17	Pilot Detector Filter, VCO Stop
18	PLL Input
19	Loop Filter
20	Loop Filter
21	OSC
22	Vcc

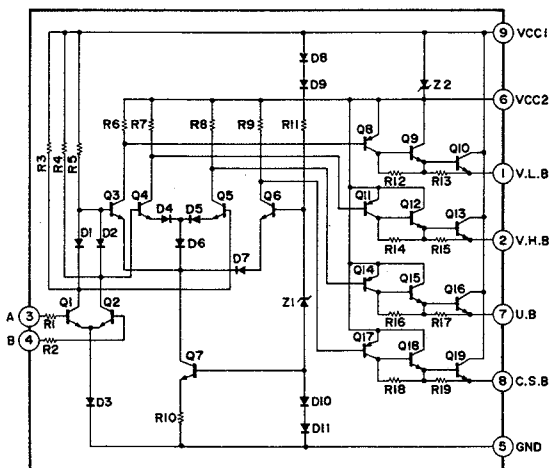
IC514, 515: LB1294 (LED Driver)



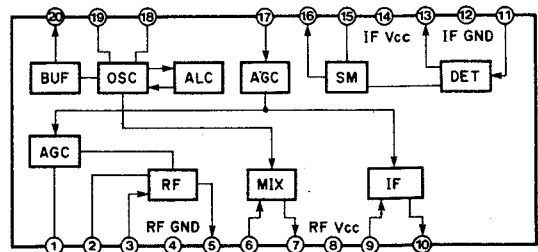
IC518: M54542 (Motor Driver)



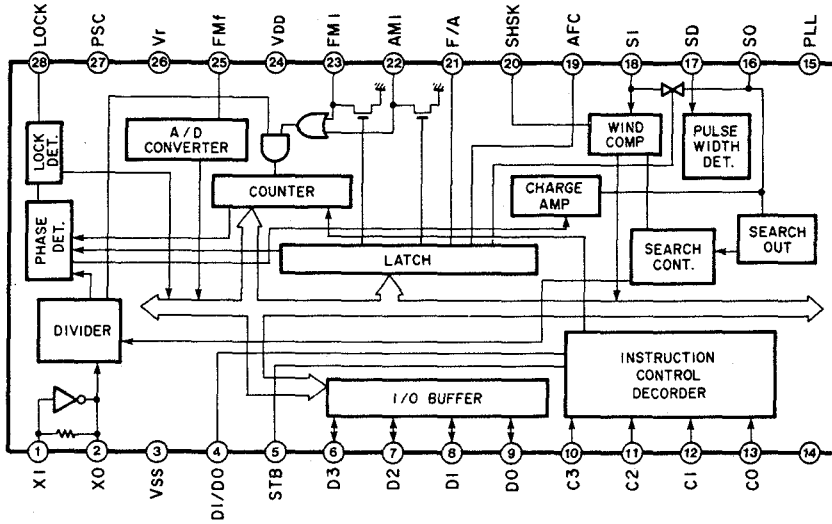
IC516: LA7910 (Switch)



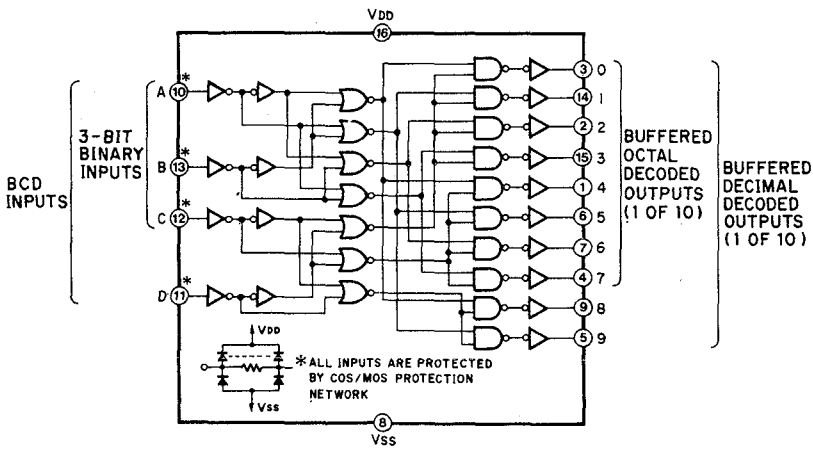
IC505: LA1245 (AM Tuning Control)



IC506: LC7210 (Tuning Control for CSL Synthesizer System)



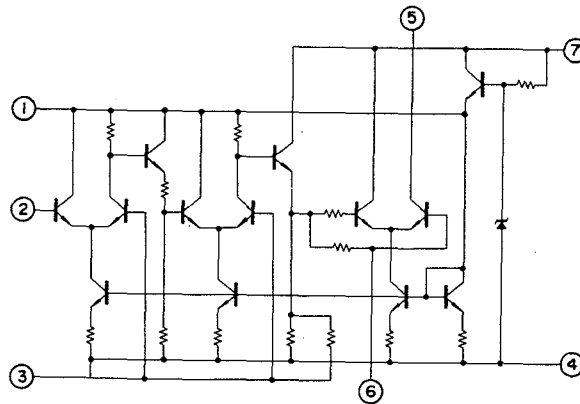
IC508: TC4028BP or BU4028B



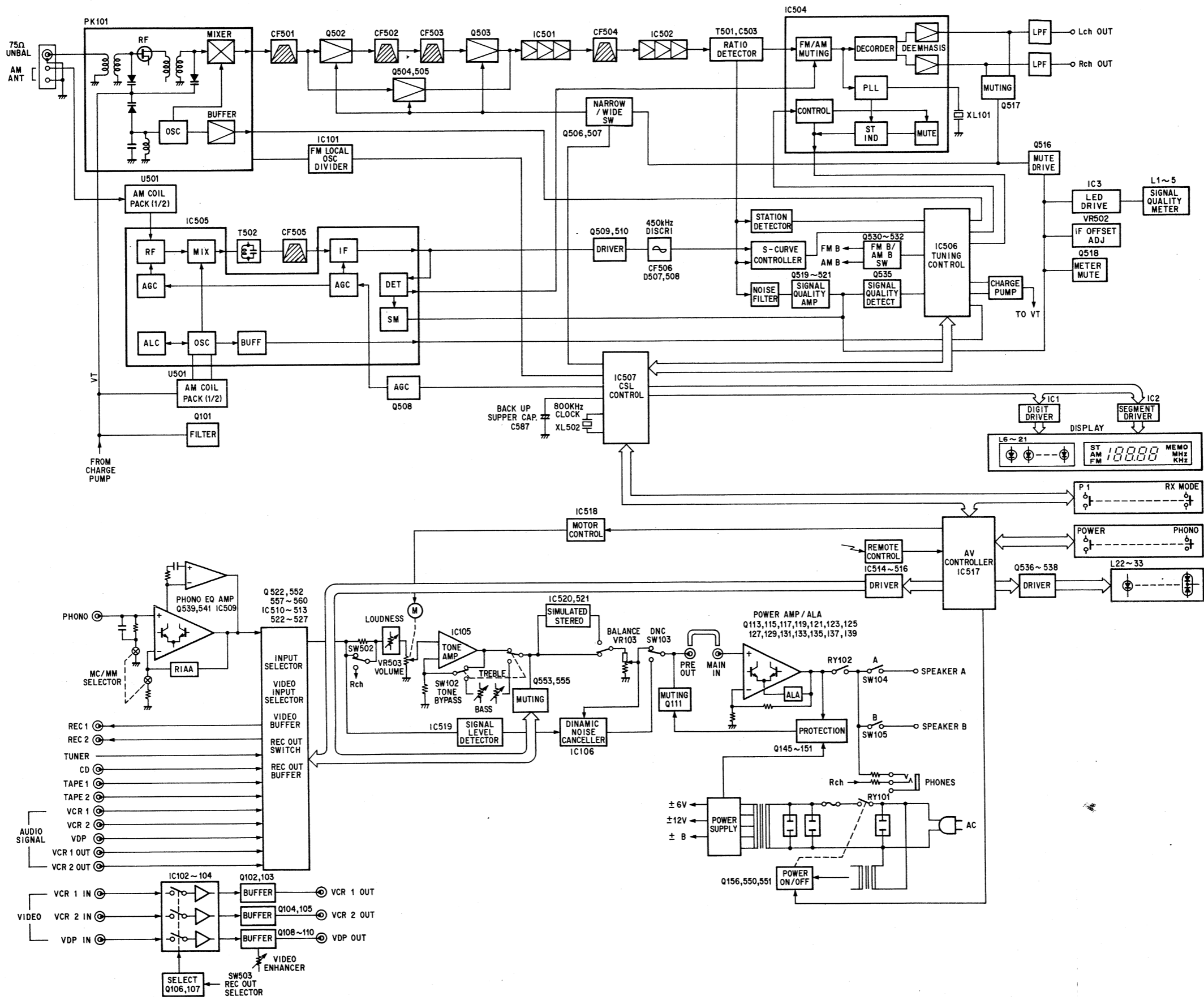
Data Table

D	C	B	A	0	1	2	3	4	5	6	7	8	9
0	0	0	0	1	0	0	0	0	0	0	0	0	0
0	0	0	1	0	1	0	0	0	0	0	0	0	0
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	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	0	1	0
1	0	0	1	0	0	0	0	0	0	0	0	0	1
1	0	1	0	0	0	0	0	0	0	0	0	0	0
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

IC501, 502: μ PC577H (E, F)

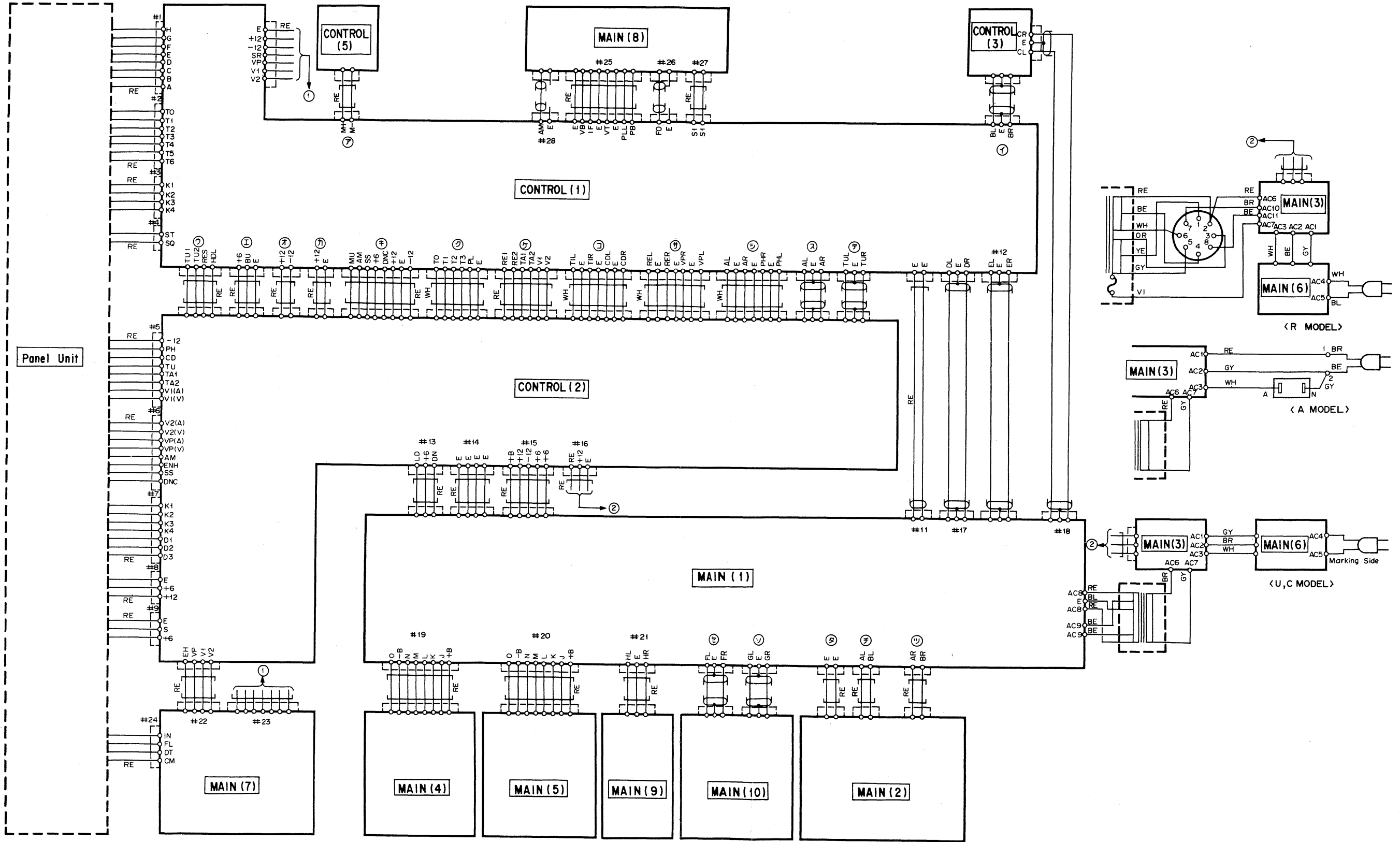


■ BLOCK DIAGRAM



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WIRING



RX-900/900U

PRINTED CIRCUIT BOARD (Pattern Side) (Note) 文字面 : Component Side

1

2

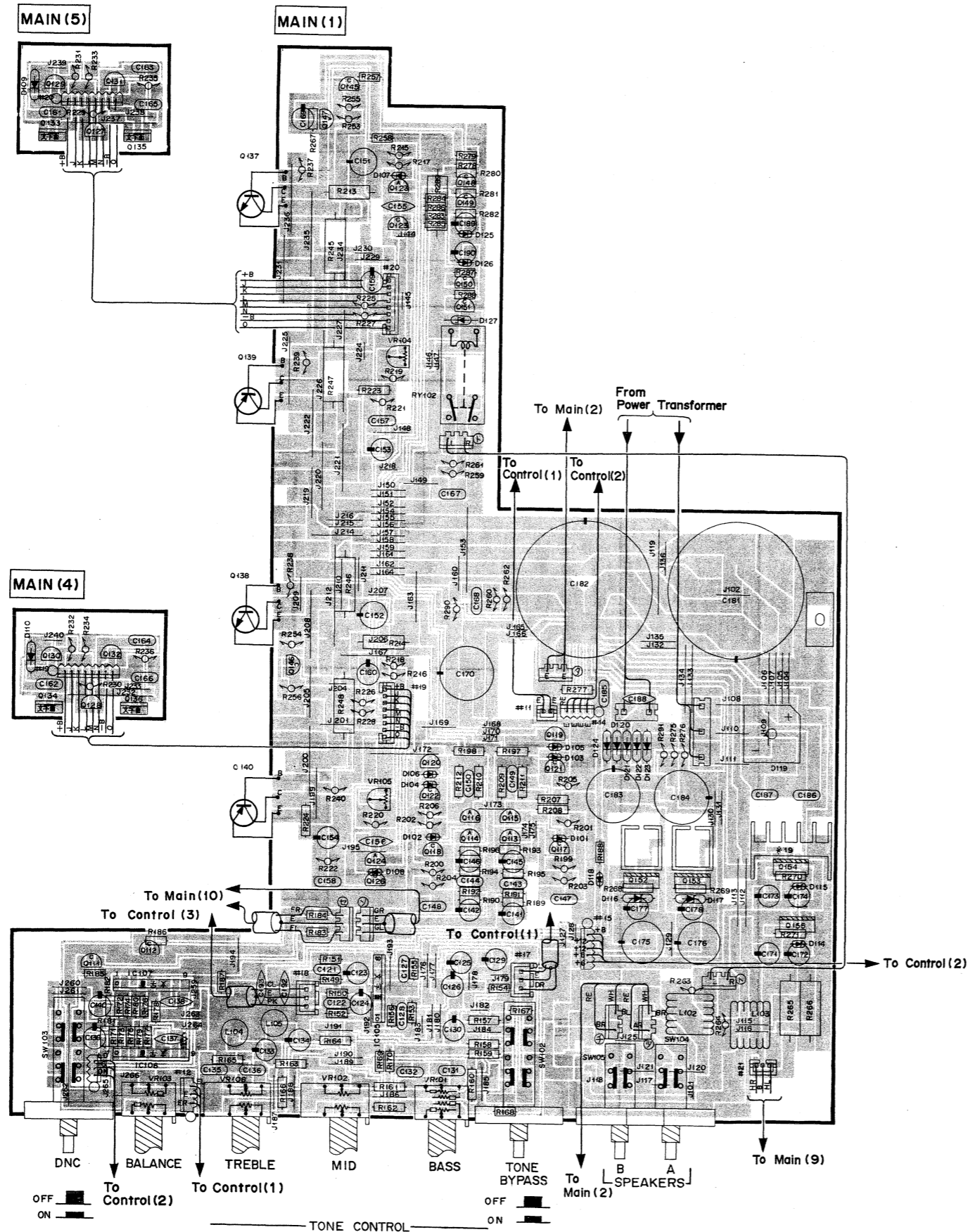
3

4

5

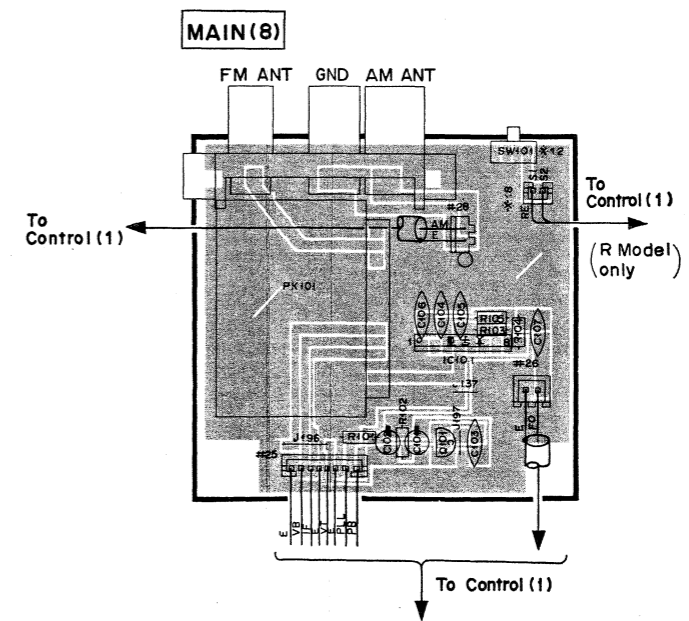
6

7



Note: * marked

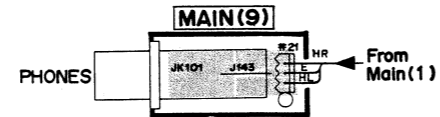
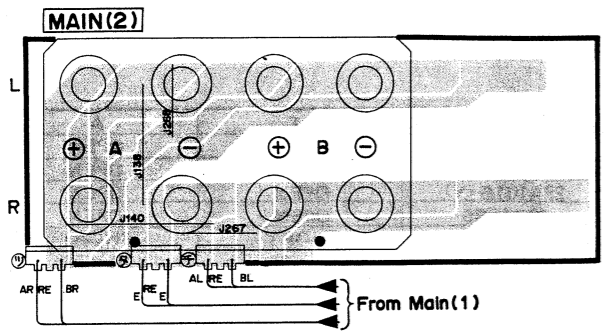
*	R	U.C	A
1	C180	OPEN	OPEN
2	D111	OPEN	OPEN
3	Q158	OPEN	OPEN
4	Q157	OPEN	OPEN
5	J139	SHORT	SHORT
6	R273, 274	OPEN	OPEN
7	R272	OPEN	OPEN
8	C179	OPEN	OPEN
9	F102	OPEN	OPEN
10	F101	OPEN	OPEN
11	T101	OPEN	OPEN
12	SW101	OPEN	OPEN
13	VD004600	-	-
14	AC Outlet	-	-
15	PC-FH1	-	-
16	PC-FH1	-	-
17	PC-FH1	-	-
18	24 Base Pin 2P	-	-
19	51 Heat Sink	-	-
20	D128~130	OPEN	OPEN



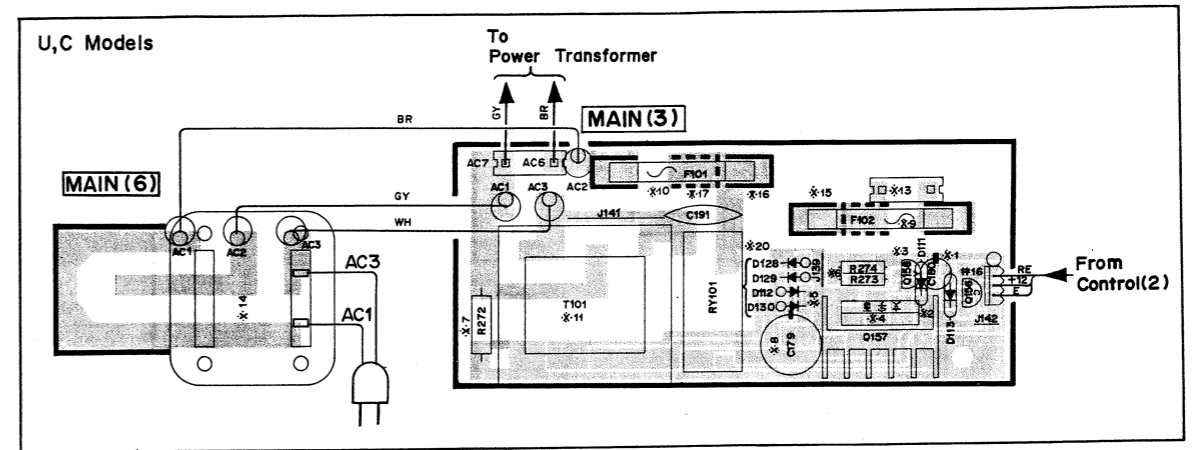
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PRINTED CIRCUIT BOARD (Pattern Side) (Note) 文字面 : Component Side

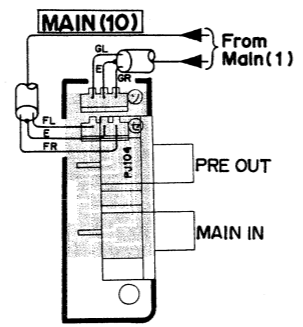
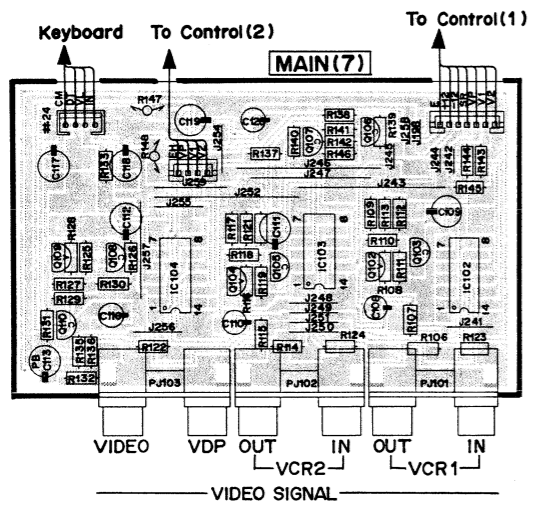
1



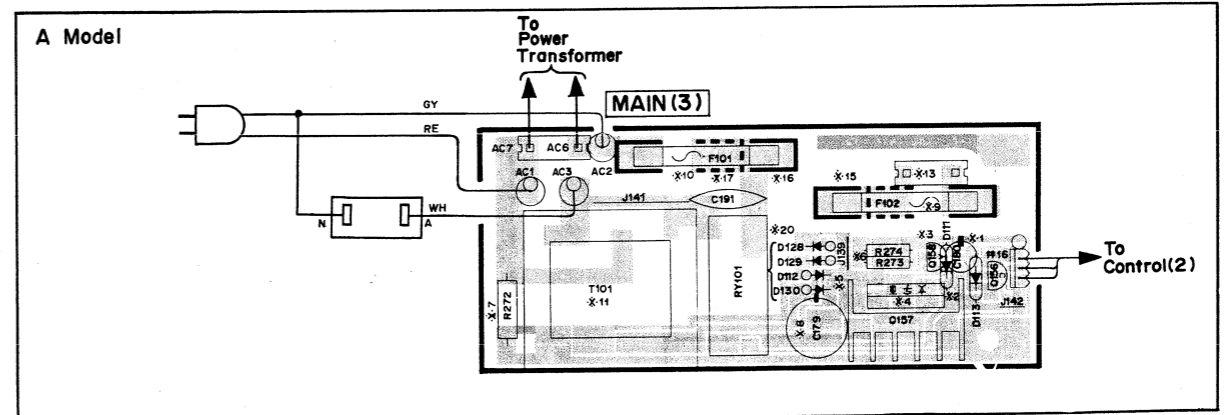
2



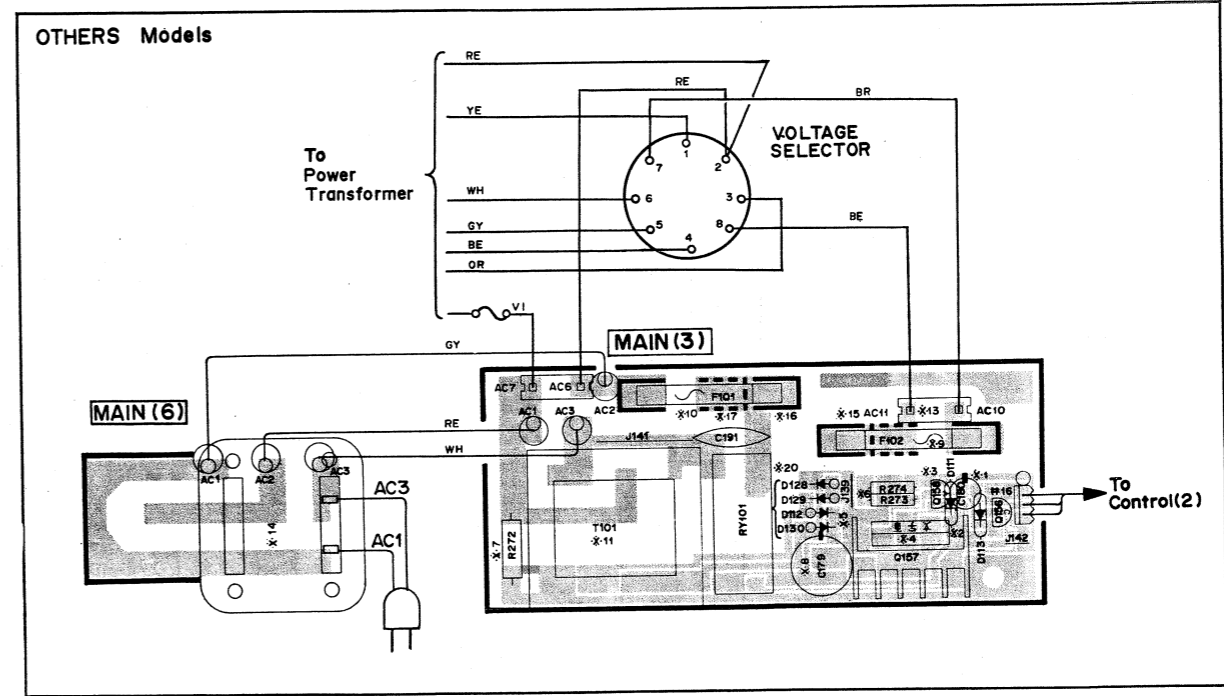
3



4

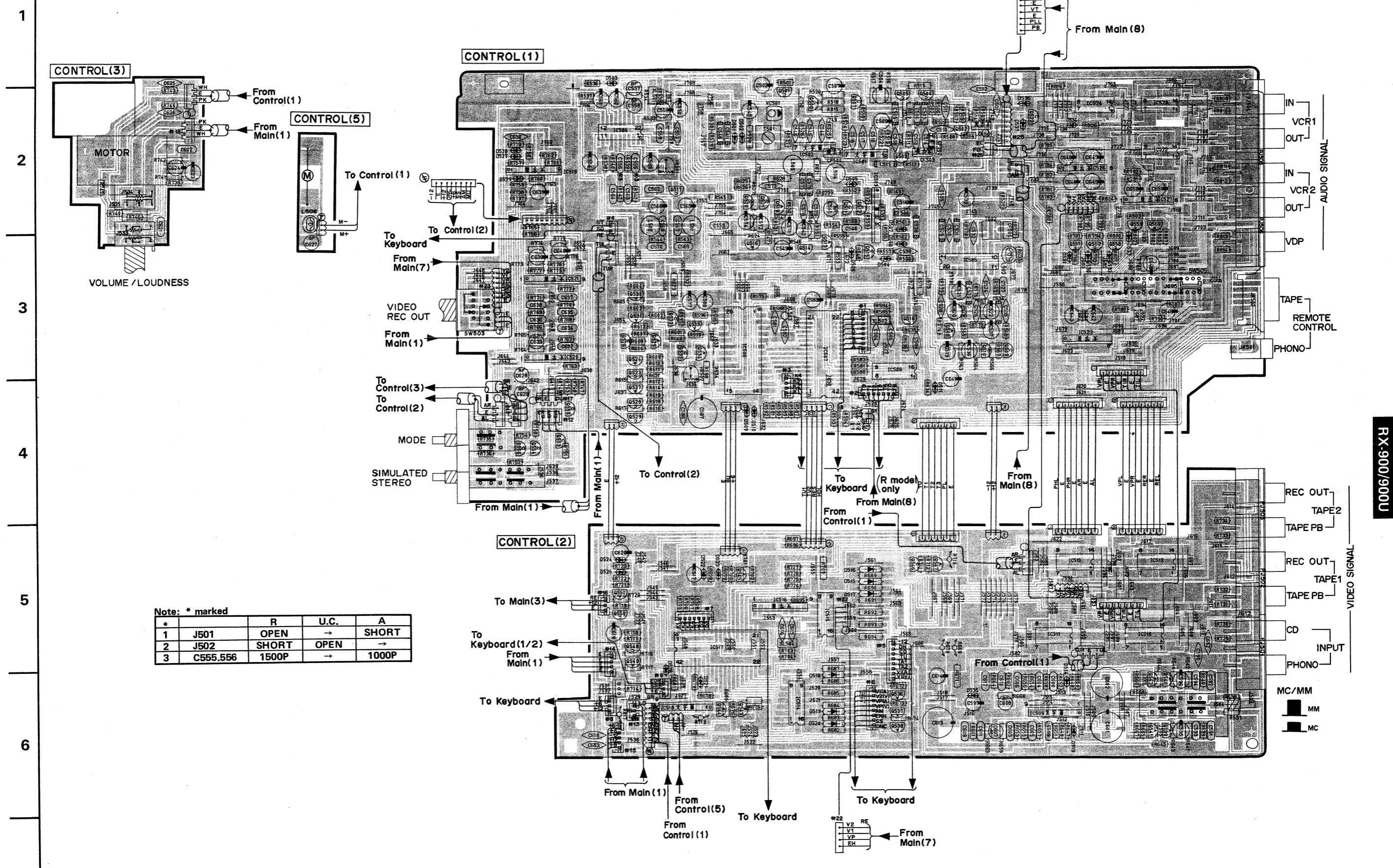


5



6

PRINTED CIRCUIT BOARD (Pattern Side) (Note) 文字面 : Component Side

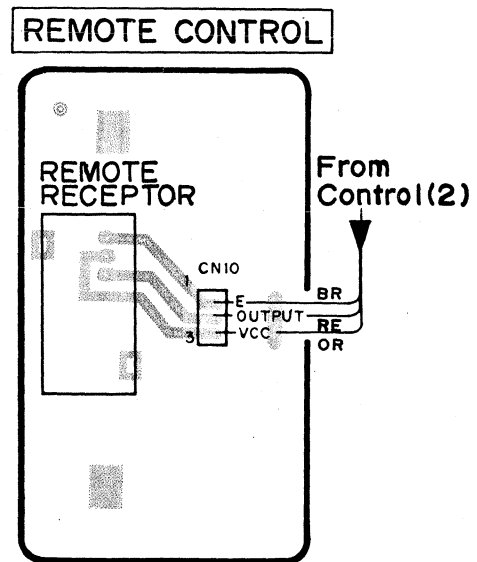
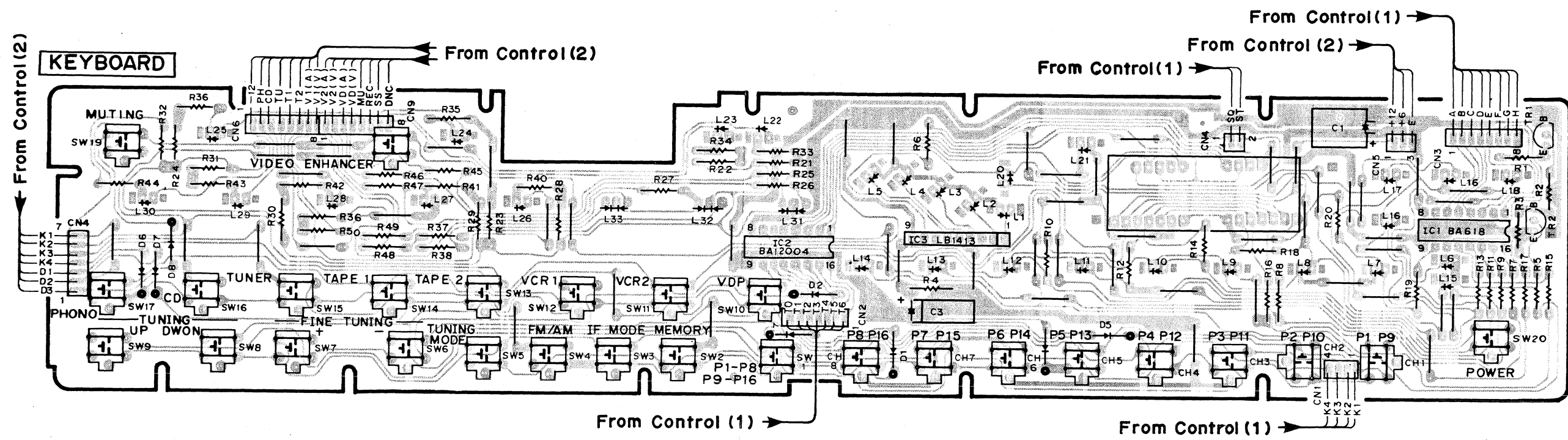


Note: * marked

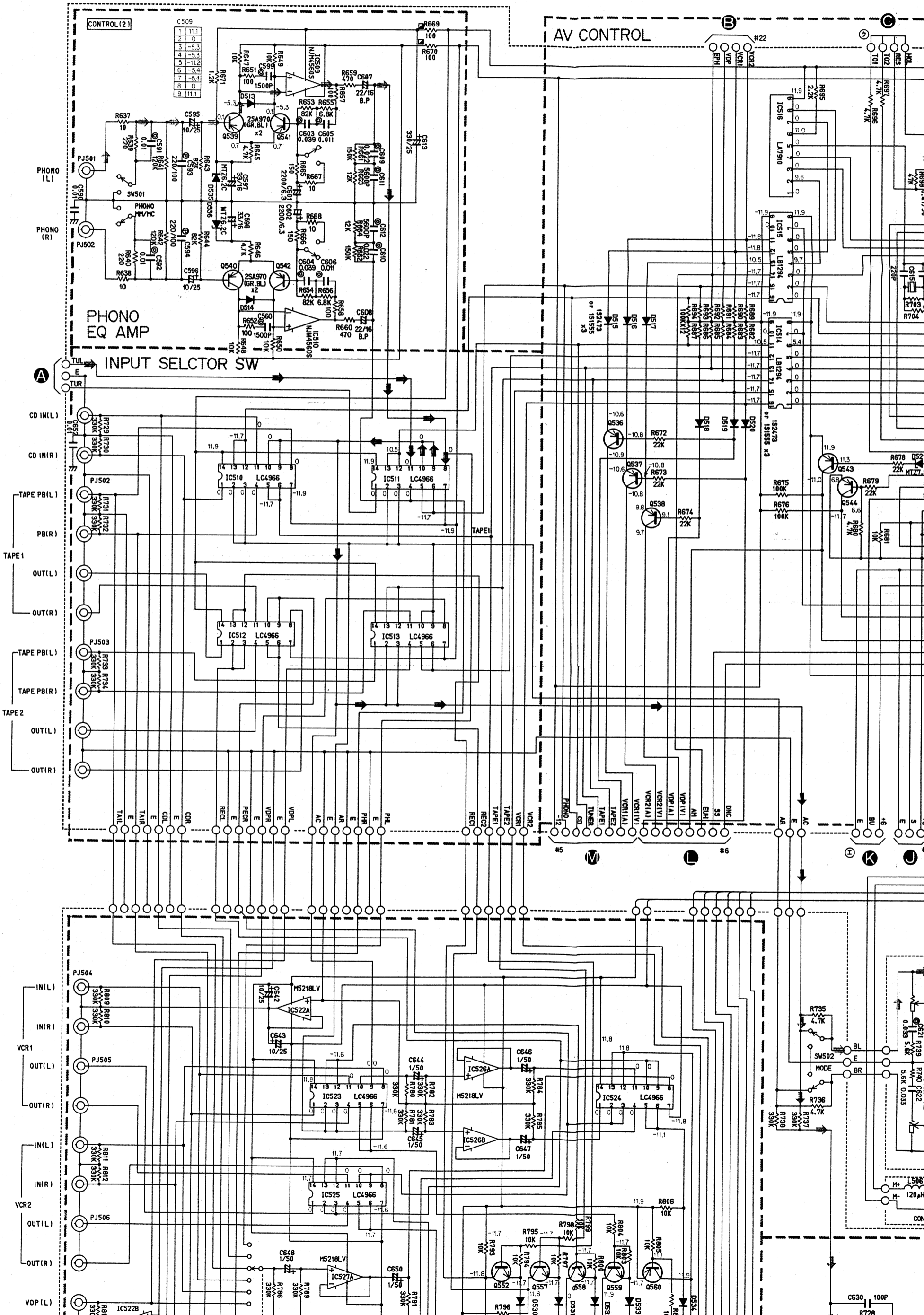
*	R	U.C.	A
1	J501 OPEN	→	SHORT
2	J502 SHORT	OPEN	→
3	C555.556 1500P	→	1000P

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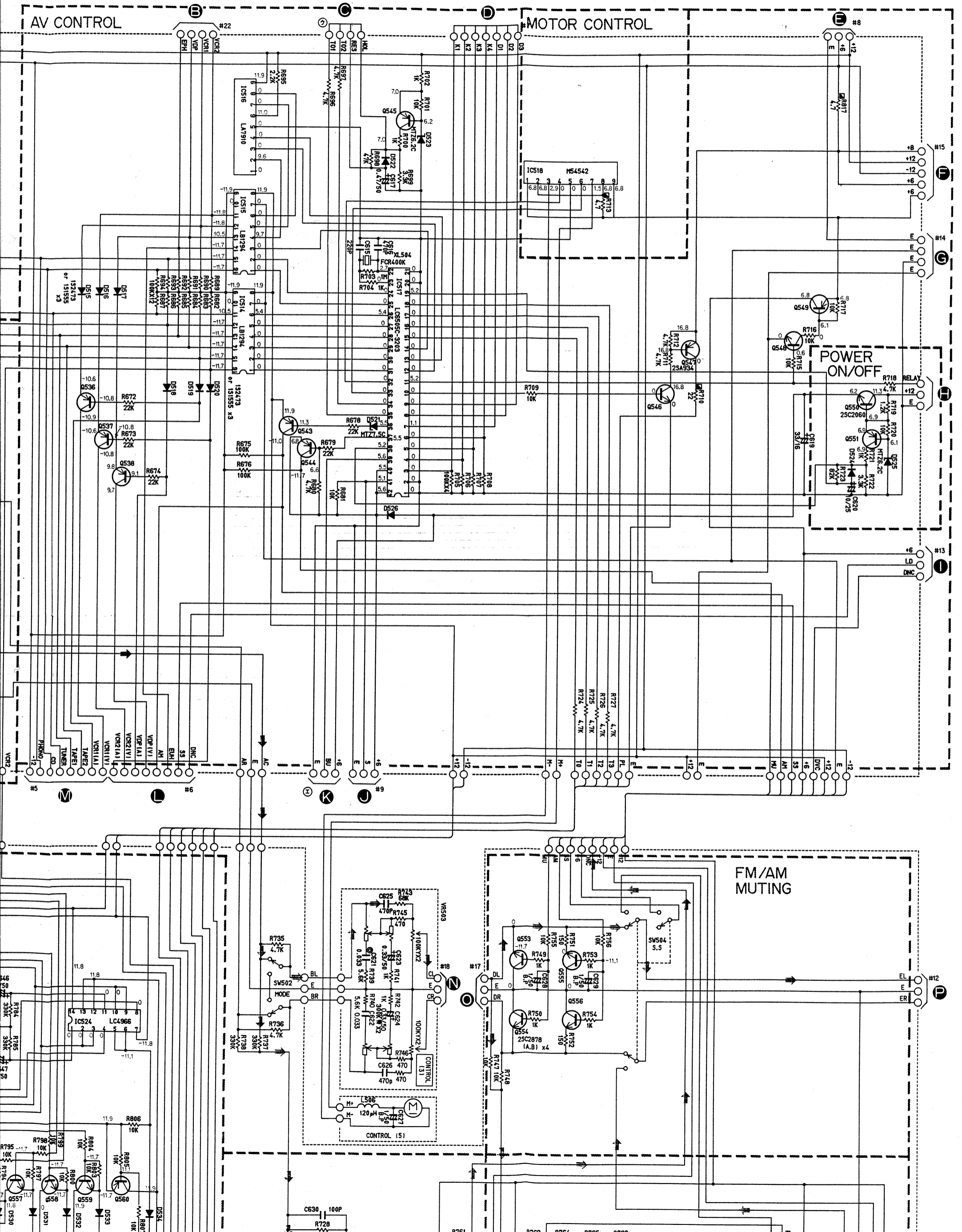
PRINTED CIRCUIT BOARD (Pattern Side) (Note) 文字面 : Component Side



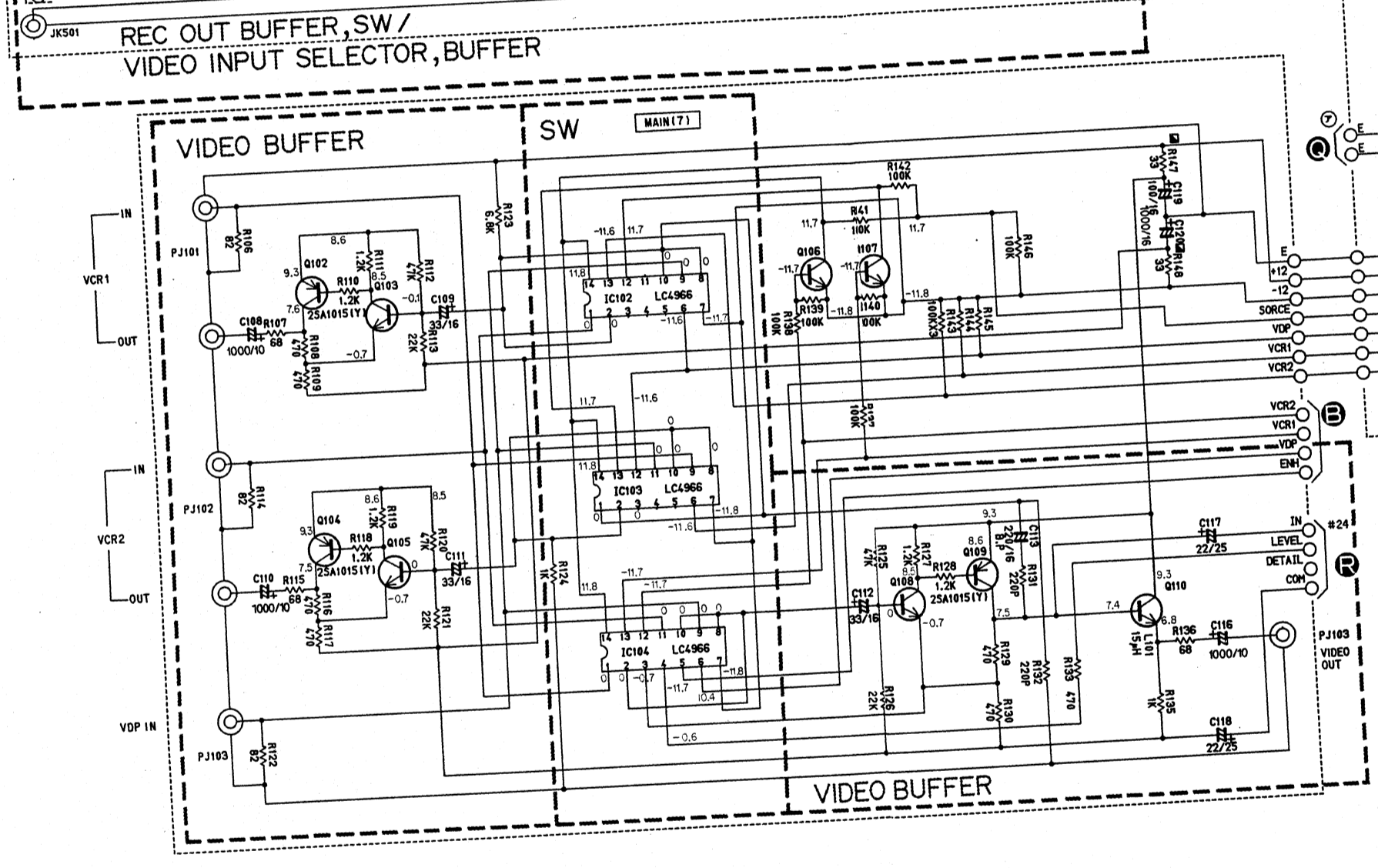
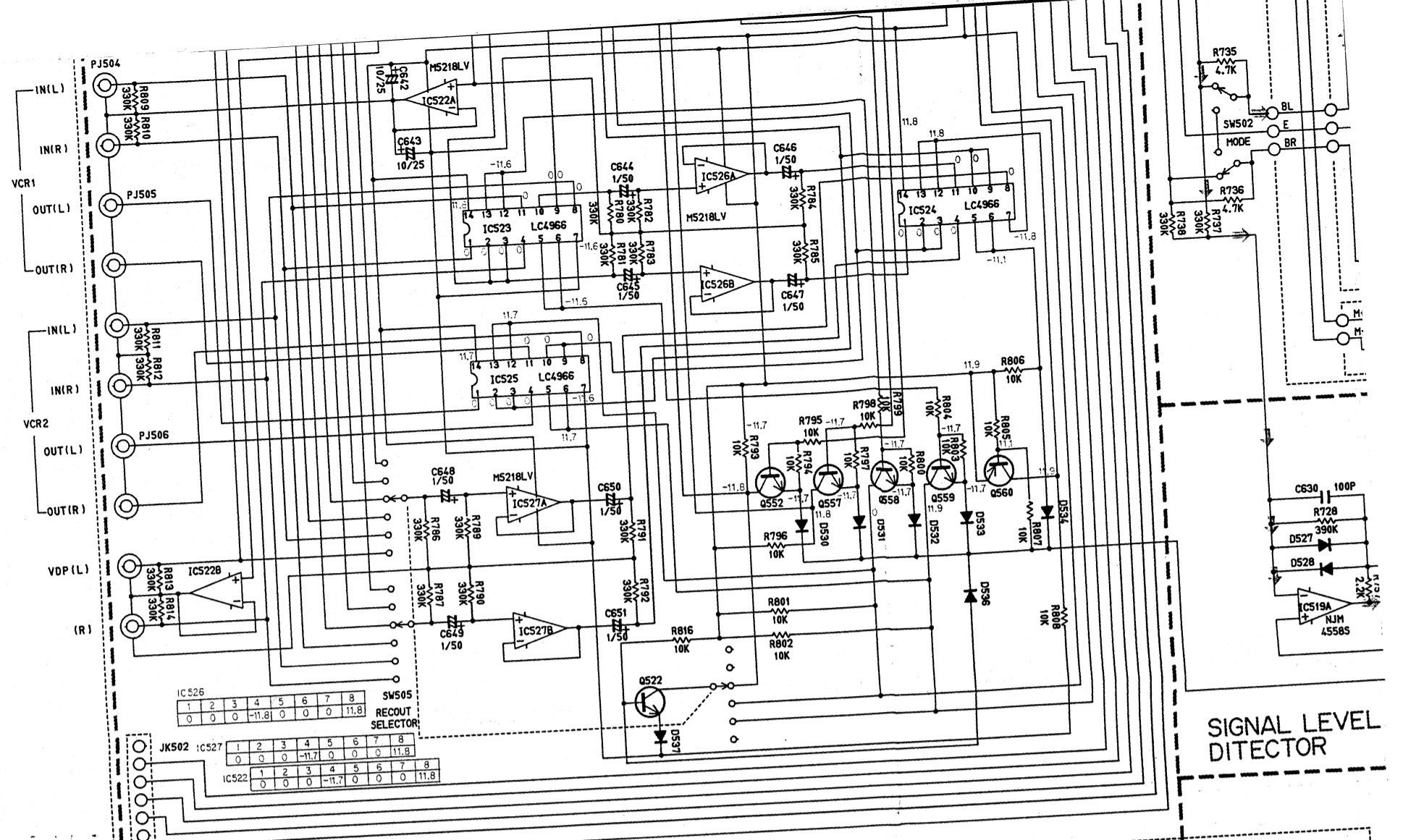
SCHEMATIC DIAGRAM



1
2
3
4
5
6
7
8

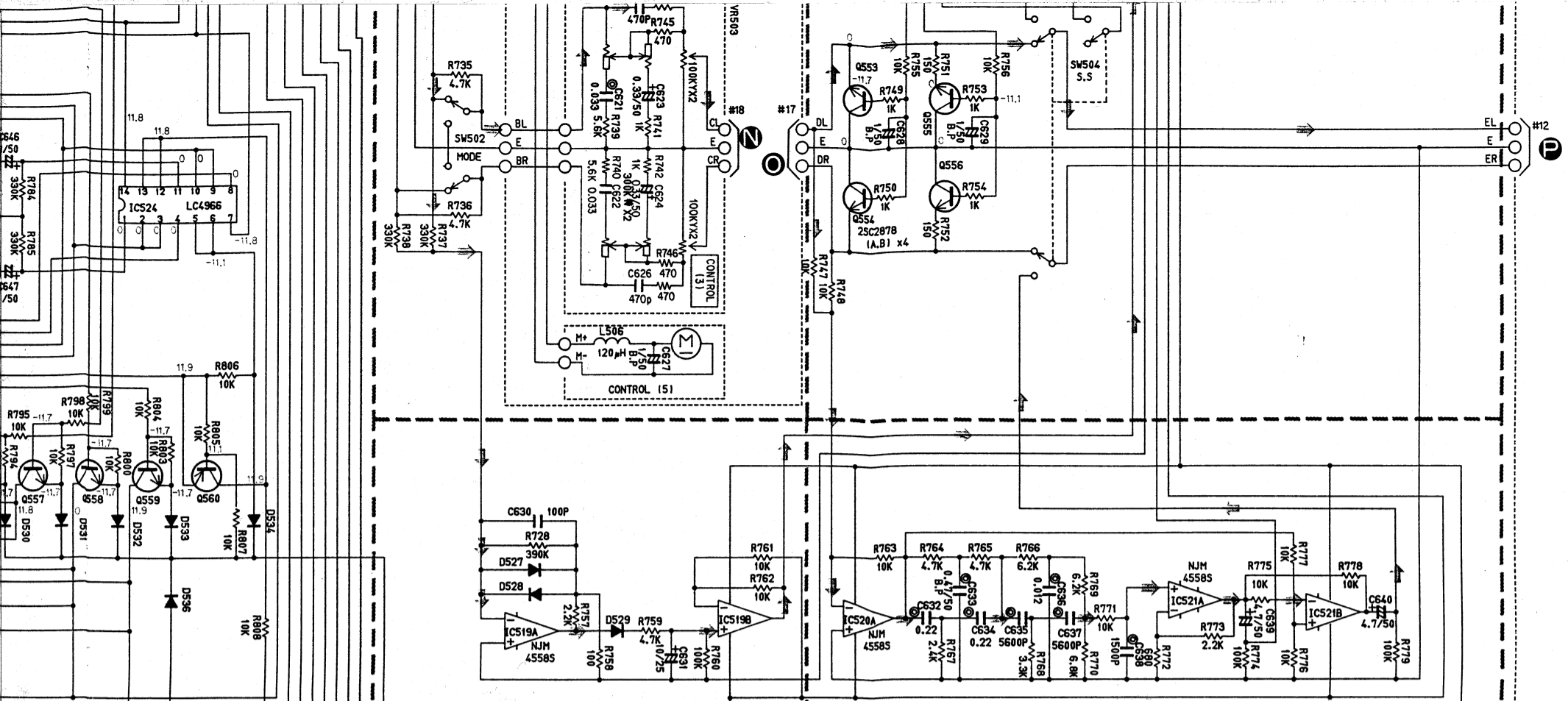


7
8
9
10
11
12
13
14



■ PIN CONNECTION DIAGRAM OF TRANSISTORS, DIODE AND ICS.

2SA999	2SA933S	2SA934	2SA1358	2SA1265	1S1588	MTZ7.5C	μPC577H	MJM4560S	M5220L	BA6110	NJM4558S	LB1413	M54542
2SC2320	2SA1115	2SA970	2SC3421	2SC3182	1S2473	MTZ5.1B			M54459L				
2SA1015	2SA1310				1S1555	MTZ6.2C			M5218L				
2SA1145	2SC1815				1SS133	MTZ7.5C							
2SB1274	2SC1923				1SS82								
2SC1815	2SC2060				1SR35-100A								
2SC2240	2SC2878				4D4B41								
2SC2705	2SC1740S				HZ24-2								
2SD1485	2SC2603				HZ12A-3								
2SD1913	2SC3312				HZ12A-3								

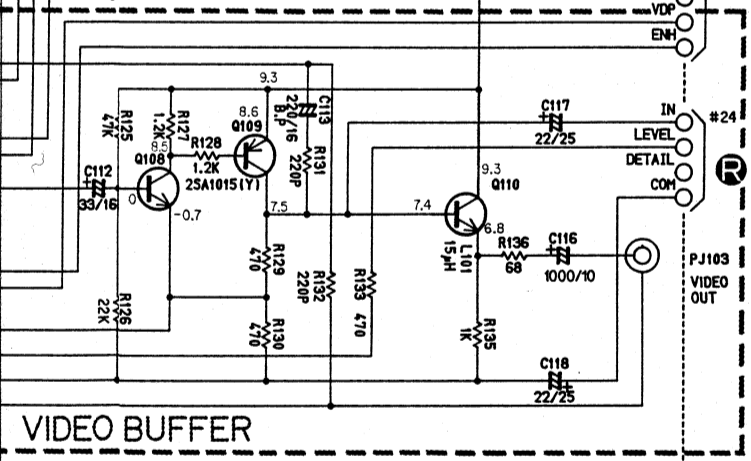
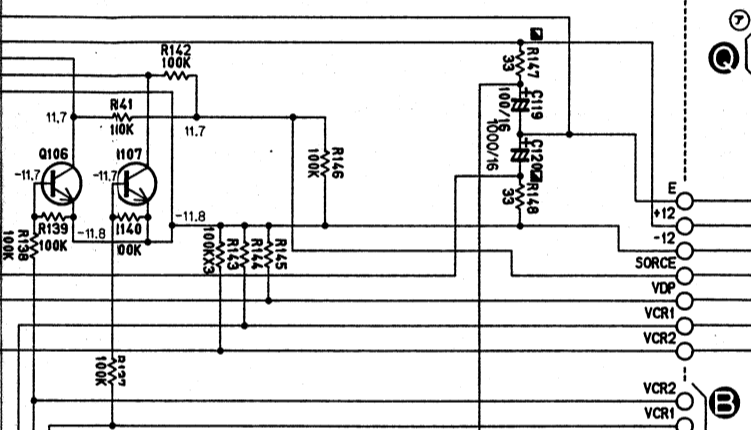


SIGNAL LEVEL DETECTOR

SIMULATED STEREO

FM AUDIO SIGNAL

IC519		IC520		IC521	
1	11.8	1	11.7	1	11.7
2	-0.7	2	11.2	2	0
3	0	3	0.3	3	0
4	0	4	0	4	0
5	-11.7	5	-11.7	5	-11.7
6	0	6	0	6	0
7	0.8	7	0	7	0
8	0	8	0	8	0
9	11.8	9	11.7	9	11.7



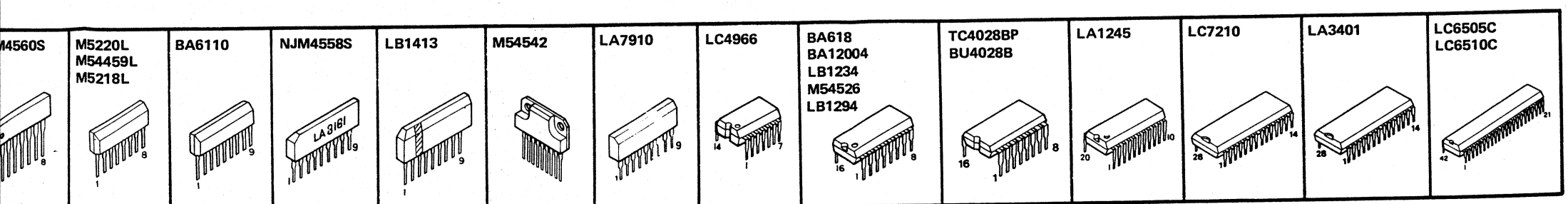
Unless otherwise specified

PNP TRANSISTOR	2SA1015(Y)
NPN TRANSISTOR	2SC1815(Y)
DIODE	ISS133

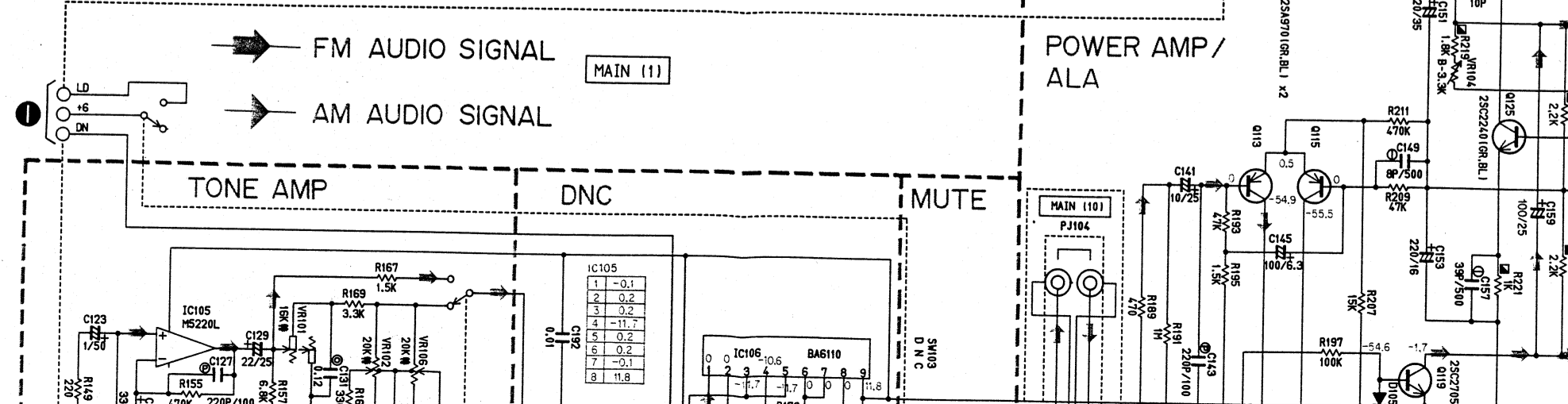
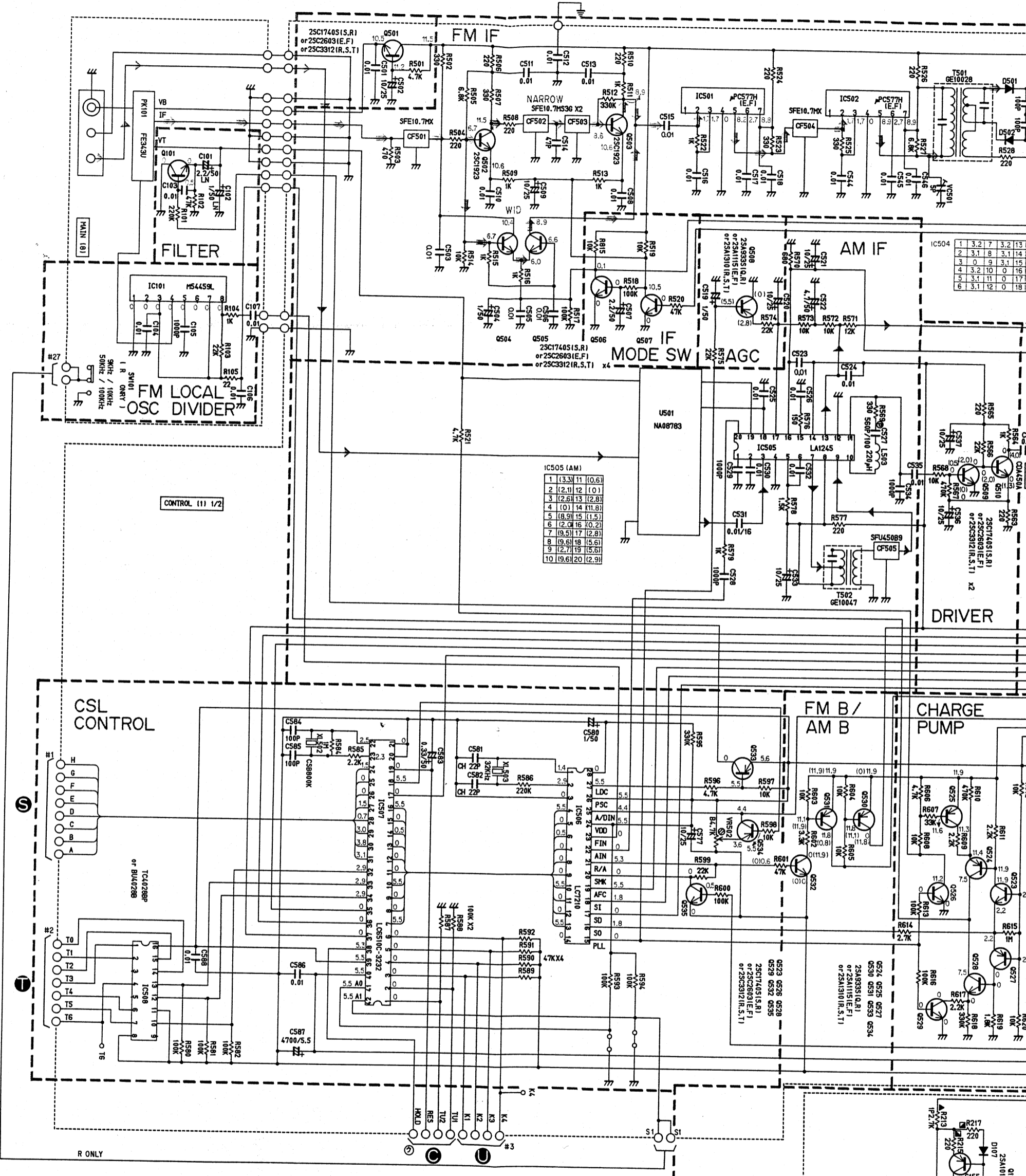
	R	U.C	A
#1	F101	10A250V	T4.0A250V
#2	T101	XC115	XC116 XC117
#3	R272	OPEN	1/2P2.2M OPEN
#4	C555,556	1500P	1000P
#5			
#6			
#7			

REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR
□	CARBON FILM RESISTOR (1/5W)
△	METAL OXIDE FILM RESISTOR
▲	METAL FILM RESISTOR
▣	METAL PLATE RESISTOR
■	FIRE PROOF CARBON FILM RESISTOR
□	SEMENT MOLDED RESISTOR
⊗	SEMI VARIABLE RESISTOR

REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
NO MARK	CERAMIC CAPACITOR
⊙	POLYESTER FILM CAPACITOR
○	POLYSTYRENE FILM CAPACITOR
⊖	MICA CAPACITOR
⊕	POLYPROPYLENE FILM CAPACITOR
●	SEMICONDUCTIVE CERAMIC CAPACITOR



RX-900/900U
SCHEMATIC DIAGRAM



FM AUDIO SIGNAL
 AM AUDIO SIGNAL

MAIN (1)

MAIN (10)

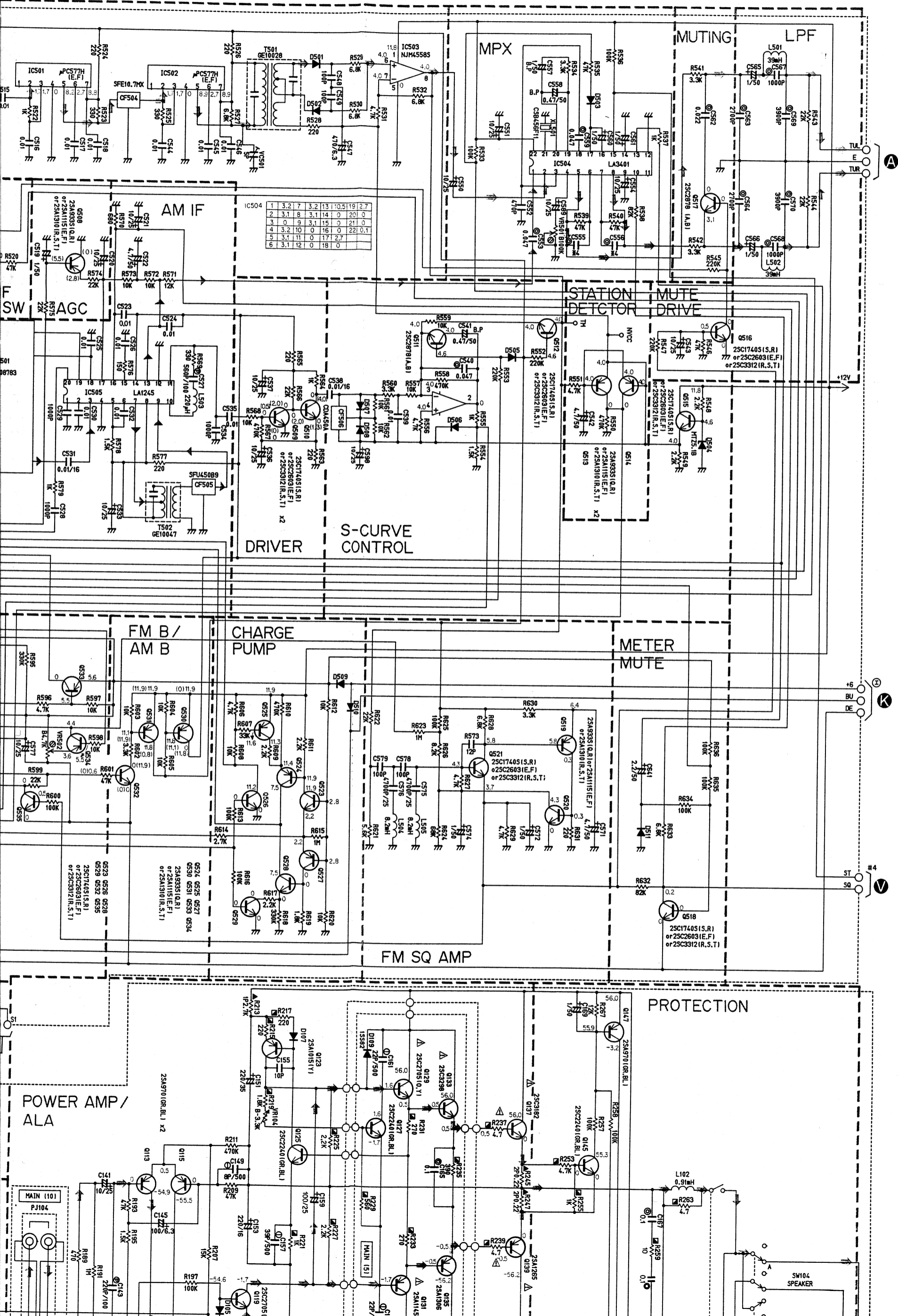
SMD3 D N C

IC105

IC106

IC107

IC108



7

8

9

10

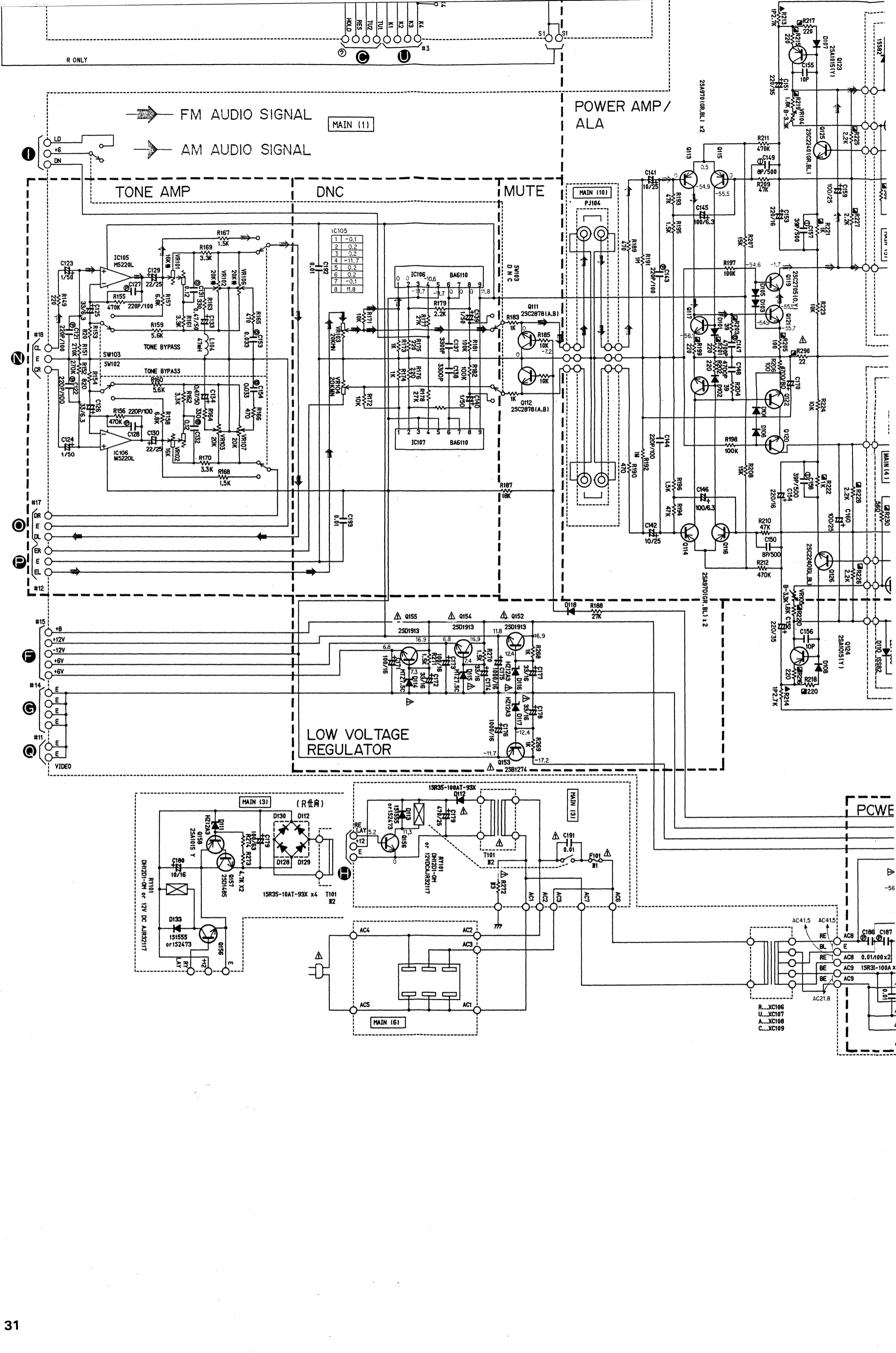
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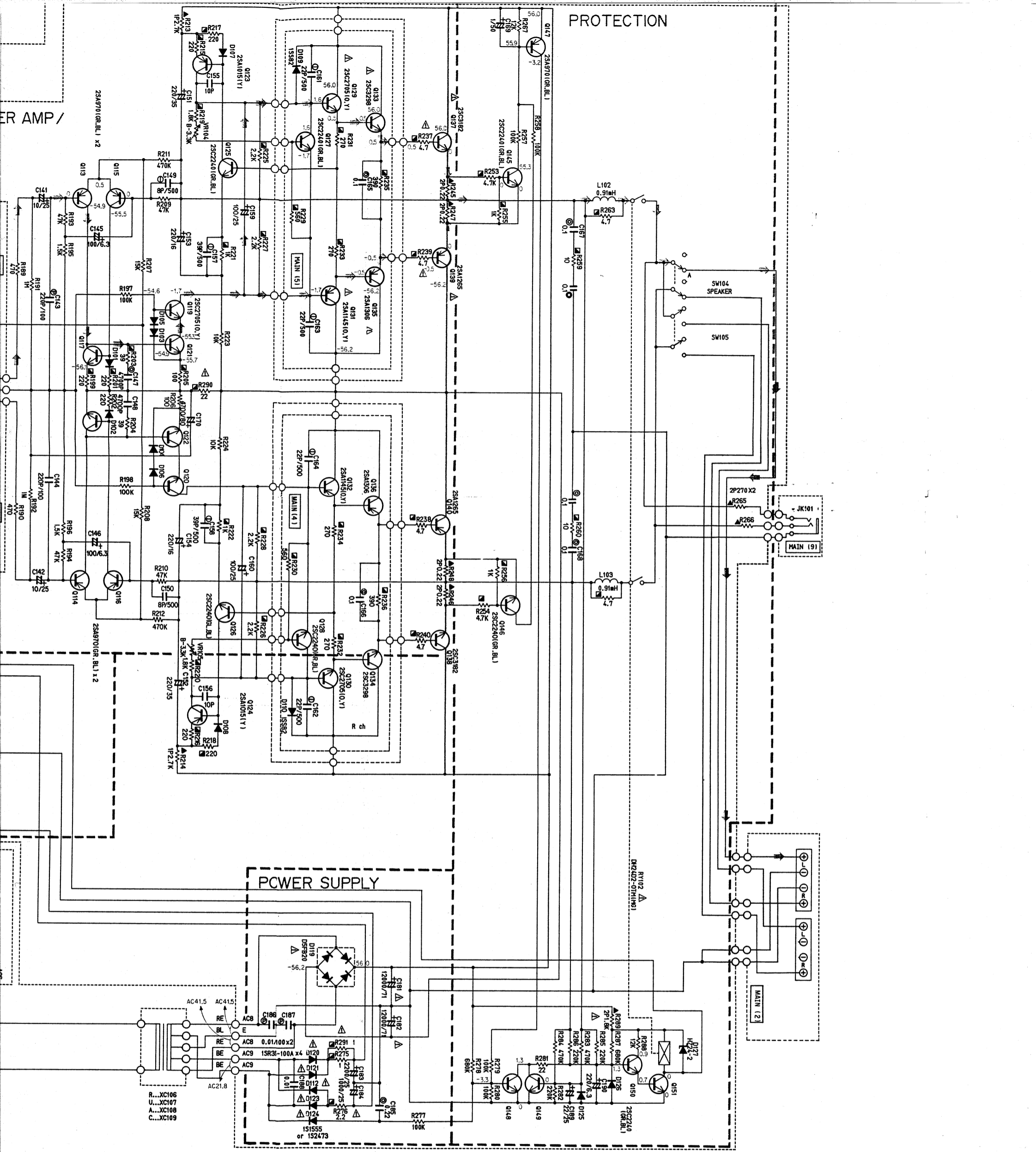
12

13

14

15



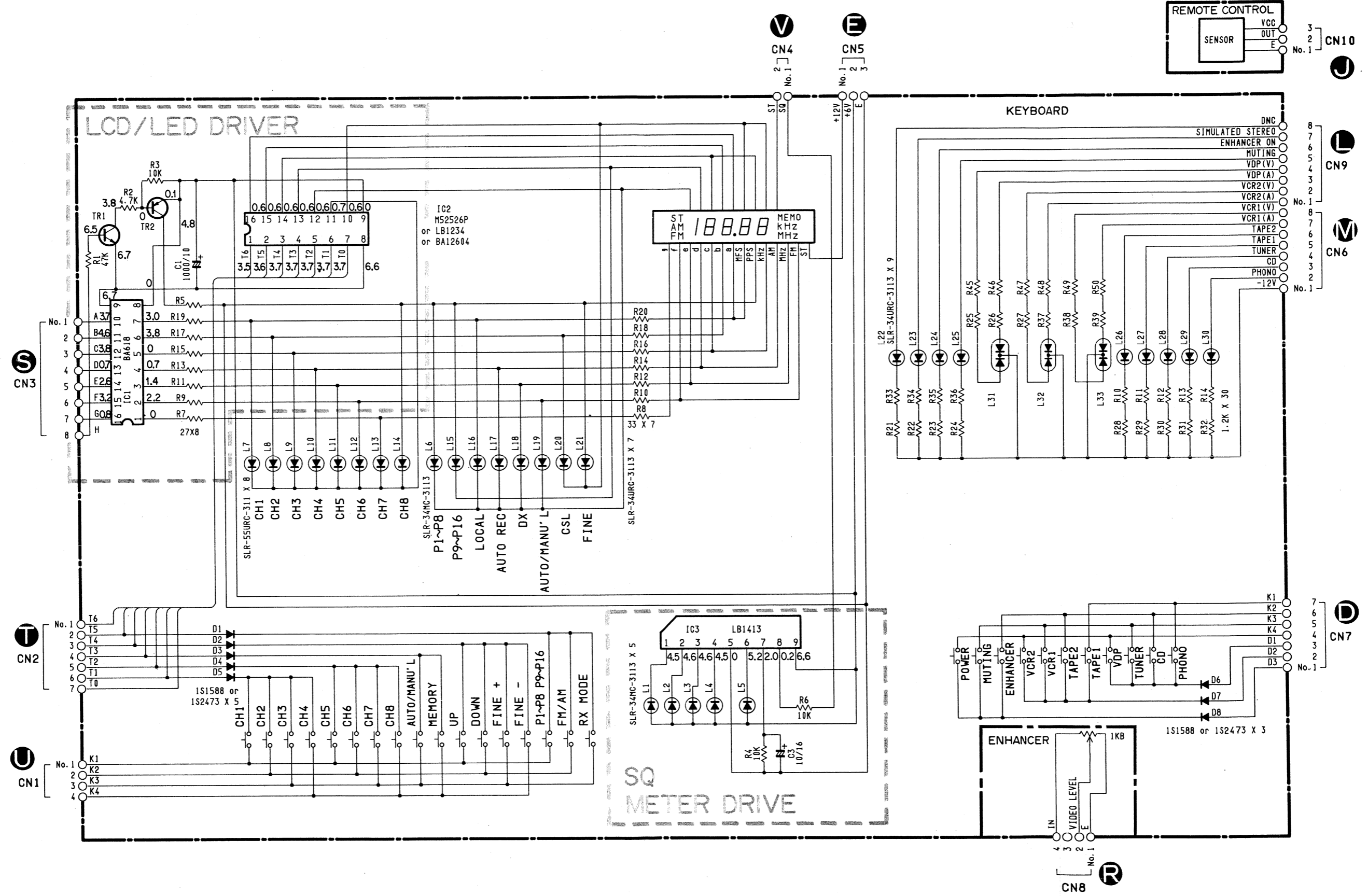


CAUTION

- Components having special characteristics are marked Δ and must be replaced with parts having specifications equal to those originally installed.
- * The Voltages are measured at FM reception mode.
The Voltages () are at AM reception mode.
- * All voltages are measured with a 10M Ω /V DC electric volt meter.
- * Schematic diagram is subject to change without notice.

SCHEMATIC DIAGRAM

1
2
3
4
5
6
7




RX-900/900U

PARTS LIST

ELECTRICAL PARTS

WARNING

Components having special characteristics are marked  and must be replaced with parts having specifications equal to those originally installed.
 • Carbon resistors 1/6 W are not included in the ELECTRICAL PARTS list.
 For the parts No. of the carbon resistor, refer to P. 23.

Ref. No.	Part No.	Description	部品名	Remarks	Common Model	Markets	ランク
※	NA:09:32:70	Main Circuit Board	メインシート			R	
※	NA:09:32:80	"	"			U,C	
※	NA:09:32:90	"	"			A	
	FG:41:11:00	Ceramic Cap.	セラコン	10pF 50V	C155,156		
	FG:41:31:00	"	"	1000pF 50V	C105		
	FG:41:33:30	"	"	3300pF 50V	C137,138		
	FG:74:41:00	"	"	0.01μF 50V	C103,104,106,107,188,192,193		
	VA:89:08:00	"	コンテイコン	0.01μF 400V	C191		
	FU:35:08:00	Mica Cap.	マイカコン	8pF 500V	C149,150		
	FU:35:12:20	"	"	22pF 500V	C161-164		
	FU:35:13:90	"	"	39pF 500V	C157,158		
	UA:25:34:70	Mylar Cap.	マイラーコン	4700pF 50V	C147,148		
	FA:15:51:20	"	"	0.12μF 50V	C131,132		
	FA:15:43:30	"	"	0.033μF 50V	C135,136		
	FA:15:44:70	"	"	0.047μF 50V	C167,178		
	FA:15:51:00	"	"	0.1μF 50V	C165,166		
	FA:15:52:20	"	"	0.22μF 50V	C185		
	FZ:00:46:80	Electrolytic Cap.	ケミコン	680μF 80V	C170		
	FZ:00:42:00	"	ブロックケミコン	10000μF 65V	C181,182		
	UJ:11:73:30	"	ケミコン	33μF 6.3V	C125,126		
	UJ:11:81:00	"	"	100μF 6.3V	C145,146		
	UJ:11:82:20	"	"	220μF 6.3V	C190		
	UJ:13:81:00	"	"	10μF 16V	C180	U	
	UJ:13:73:30	"	"	33μF 16V	C109,111,112,172,174		
	UJ:13:71:00	"	"	100μF 16V	C119,171,173		
	UJ:13:82:20	"	"	220μF 16V	C113,153,154		
	UJ:13:83:30	"	"	330μF 16V	C177,178		
	UJ:14:71:00	"	"	10μF 25V	C141,142		
	UJ:14:72:20	"	"	22μF 25V	C117,118,129,130,189		
	UJ:14:81:00	"	"	100μF 25V	C159,160		
	UJ:16:54:70	"	"	0.47μF 50V	C133,134		
	UJ:16:61:00	"	"	1μF 50V	C123,124,139,140,169		
	UH:12:91:00	"	"	1000μF 16V	C106,108,110		
	UL:46:61:00	"	ローノイズケミコン	1μF 50V	C102		
	UL:46:62:20	"	"	2.2μF 50V	C101		
	UJ:14:84:70	"	ケミコン	470μF 25V	C179	U,A,C	
	UW:67:81:00	"	"	100μF 63V	C179	R	
	UJ:13:91:00	"	"	1000μF 16V	C120,175,176		
	UJ:14:91:00	"	"	1000μF 25V	C184		
	UJ:14:92:20	"	"	2200μF 25V	C183		
	UJ:15:82:20	"	"	220μF 35V	C151,152		
	UT:65:22:20	Polypropylene Film Cap.	ポリプロコン	220pF 100V	C121,122,127,128,143,144		
	UT:65:41:00	"	"	0.01μF 100V	C186,187		
※	XC:11:50:01	Power Transformer	電源トランス	T101		R	
※	XC:11:60:01	"	"	"		U,C	
※	XC:11:70:01	"	"	"		A	
	GD:90:03:70	Output Coil	出力コイル	L102,103			
	GE:90:18:60	Coil	固定コイル	L104,105			

※New Parts (新規部品) NR

Ref. No.	Part No.	Description	部品名	Remarks	Common Model	Markets	ランク
	HJ:35:53:30	Carbon Film Resistor	カーボン抵抗	330Ω 1/4W			R163,164
	HJ:35:54:70	"	"	470Ω 1/4W			R165,166
	HJ:35:61:00	"	"	1kΩ 1/4W			R268,269
	HJ:35:61:50	"	"	1.5kΩ 1/4W			R270,271
	HJ:35:63:30	"	"	3.3kΩ 1/4W			R161,162
	HJ:35:64:70	"	"	4.7kΩ 1/4W			R273,274
	HJ:35:65:60	"	"	5.6kΩ 1/4W			R159,160
	HJ:35:66:80	"	"	6.8kΩ 1/4W			R157,158
	HJ:35:71:00	"	"	10kΩ 1/4W			R223,224
	HJ:35:71:50	"	"	15kΩ 1/4W			R207,208
	HJ:35:73:90	"	"	39kΩ 1/4W			R209,210
	HJ:35:81:00	"	"	100kΩ 1/4W			R197,198,277
	HJ:35:84:70	"	"	470kΩ 1/4W			R211,212
	HG:30:92:20	"	"	2.2MΩ 1/2W			R272
	HL:31:62:70	Metal Oxide Film Resistor	酸化金抵抗	2.7kΩ 1W			R213,214
	HL:32:52:70	"	"	270Ω 2W			R265,266
	HL:32:61:50	"	"	1.5kΩ 2W			R289
	VA:87:21:00	"	"	0.22Ω 3W			R245-248
	HV:45:32:20	Flame Proof Carbon Resistor	不燃化カーボン抵抗	2.2Ω 1/4W			R276
	HV:45:31:00	"	"	1Ω 1/4W			R275,291
	HV:45:34:70	"	"	4.7Ω 1/4W			R237-240,259-264
	HV:45:42:20	"	"	22Ω 1/4W			R290
	HV:45:43:30	"	"	33Ω 1/4W			R147,148
	HV:45:43:90	"	"	39Ω 1/4W			R203,204
	HV:45:51:00	"	"	100Ω 1/4W			R205,206
	HV:45:52:20	"	"	220Ω 1/4W			R199-202,215-218
	HV:45:52:70	"	"	270Ω 1/4W			R231-234
	HV:45:53:90	"	"	390Ω 1/4W			R235,236
	HV:45:55:60	"	"	560Ω 1/4W			R229,230
	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:45:62:20	"	"	2.2kΩ 1/4W			R225-228
	HV:45:64:70	"	"	4.7kΩ 1/4W			R253
	HS:41:25:60	Potentiometer	可変抵抗器	20kΩ×2			VR102,106
	HS:41:25:70	"	"	16kΩ×2			VR101
	HS:41:25:80	"	"	20kΩ MN			VR103
※	VB:86:12:00	Pre-set Potentiometer	半固定抵抗器	B2.2kΩ			VR104,105
	iA:09:70:00	Transistor	トランジスタ	2SA970(GR,BL)			Q113-116,147
	iA:10:15:10	"	"	2SA1015(Y)			Q102,104,109,123,124
	iA:10:15:20	"	"	2SA1015(Y)			Q158
	iA:11:45:00	"	"	2SA1145(O,Y)			Q131,132
※	VC:61:40:00	"	"	2SB1274(Q,R,S)			Q153
	iC:18:15:20	"	"	2SC1815(Y)			Q101,103,105-108,110,117,118,121,122,148,149,151,156
	iC:22:40:00	"	"	2SC2240(GR,BL)			Q127,128
	iC:22:40:00	"	"	2SC2240(GR,BL)			Q125,126,145,146,150
	iC:28:78:20	"	"	2SC2878(A,B)			Q111,112
	iC:27:05:00	"	"	2SC2705(O,Y)			Q119,120,129,130
	VB:22:27:00	"	"	2SD1485			Q157
※	VC:40:79:00	"	"	2SD1913(R,S)			Q152,154,155

※New Parts (新規部品) NR

Table with columns: Ref. No., Part No., Description, 部品名, Remarks, Common Model, Markets, ランク. Rows include various electronic components like transistors, ICs, diodes, switches, fuses, relays, and connectors.

*New Parts (新規部品) NR

Table with columns: Ref. No., Part No., Description, 部品名, Remarks, Common Model, Markets, ランク. Rows include components like base pins, connectors, heat sinks, diodes, screws, ceramic and electrolytic capacitors, and variable capacitors.

*New Parts (新規部品) NR

Ref. No.	Part No.	Description	部品名	Remarks	Common Model	Markets	ランク
	UJ:13:81:00	Electrolytic Cap.	100μF 16V	ケミコン	C614		
	UJ:14:71:00	//	10μF 25V	"	C502,508,520,521,533,536,537,543,550,551,554,577,598,599,595,596,620,631,642,643		
	UJ:44:83:30	//	330μF 25V	"	C613		
	UJ:16:53:30	//	0.33μF 50V	"	C583,623,624		
	UJ:16:54:70	//	0.47μF 50V	"	C617		
	UJ:16:61:00	//	1μF 50V	"	C504,519,560,561,565,566,572,574,580,644-651		
	UJ:16:62:20	//	2.2μF 50V	"	C507,641		
	UJ:16:64:70	//	4.7μF 50V	"	C522,542,571,639,640		
	UK:13:72:20	//	22μF 16V	BPケミコン	C607,608		
	UK:66:54:70	//	0.47μF 50V	"	C541,558,633		
	FM:11:61:00	//	1μF 50V	"	C557,627-629		
	UT:45:25:60	Polypropylene Film Cap.	560pF 100V	ポリプロコン	C527		
	UT:45:22:20	//	220pF 100V	"	C593,594		
	GE:10:02:80	FM Discriminator Coil		FMディスクリコイル	T501		
	GE:10:04:70	AM IF-Coil		AM IFT コイル	T502		
	VB:10:96:00	Coil	220μH	固定コイル	L503		
	GE:90:19:80	//	120μH	"	L506		
	GE:90:06:90	//	8.2mH	"	L504,505		
	GE:90:18:50	//	39mH	"	L501,502		
	GG:00:04:20	AM Ceramic Discriminator	CDA450A	AMセラミックディスクリ	CF506		
	GG:00:06:00	Ceramic Filter	KMFC264-M	セラミックフィルター	CF501-504 PACK		
	GG:00:06:60	AM Ceramic Filter	SFU450B9	AMセラミックフィルター	CF505		
	GG:00:07:00	Piezo Electric ceramic Vibrator	FCR400K	セラミック振動子	XL504		
	GG:00:07:50	//	CSB456F11	"	XL501		
	GG:00:07:60	//	CSB800K	"	XL502		
	HJ:35:52:20	Carbon Film Resistor	220Ω 1/4W	カーボン抵抗	R510,528		
	HJ:35:61:00	//	1kΩ 1/4W	"	R515		
	HJ:35:61:20	//	1.2kΩ 1/4W	"	R671		
	HJ:35:65:60	//	5.6kΩ 1/4W	"	R621		
	HJ:35:66:80	//	6.8kΩ 1/4W	"	R628		
	HJ:35:71:00	//	10kΩ 1/4W	"	R598,815,709		
	HJ:35:71:20	//	12kΩ 1/4W	"	R571		
	HJ:35:74:70	//	47kΩ 1/4W	"	R520		
	HJ:35:81:00	//	100kΩ 1/4W	"	R518,682-687,689-694		
	HJ:35:82:20	//	220kΩ 1/4W	"	R545 553		
	HJ:35:91:00	//	1MΩ 1/4W	"	R623		
	HV:45:34:70	Flame Proof Carbon Resistor	4.7Ω 1/4W	不燃化カーボン抵抗	R713,817		
	HV:45:42:20	//	22Ω 1/4W	"	R710		
	HV:45:51:00	//	100Ω 1/4W	"	R669,670		
	VB:86:14:00	Pre-set Potentiometer	B 4.7kΩ	半固定抵抗	VR502		
	VB:86:19:00	//	B 100kΩ	"	VR501		
*	VC:59:23:00	Potentiometer with Motor	100kΩ×2 300kΩ×2	モーター付可変抵抗	VR503		
	iA:09:34:00	Transistor	2SA934	トランジスター	Q547		
	iA:09:70:10	//	2SA970(BL)	"	Q539-542		
	iA:10:15:21	//	2SA1015(Y)	"	Q536-538,543-545,549,551,560		

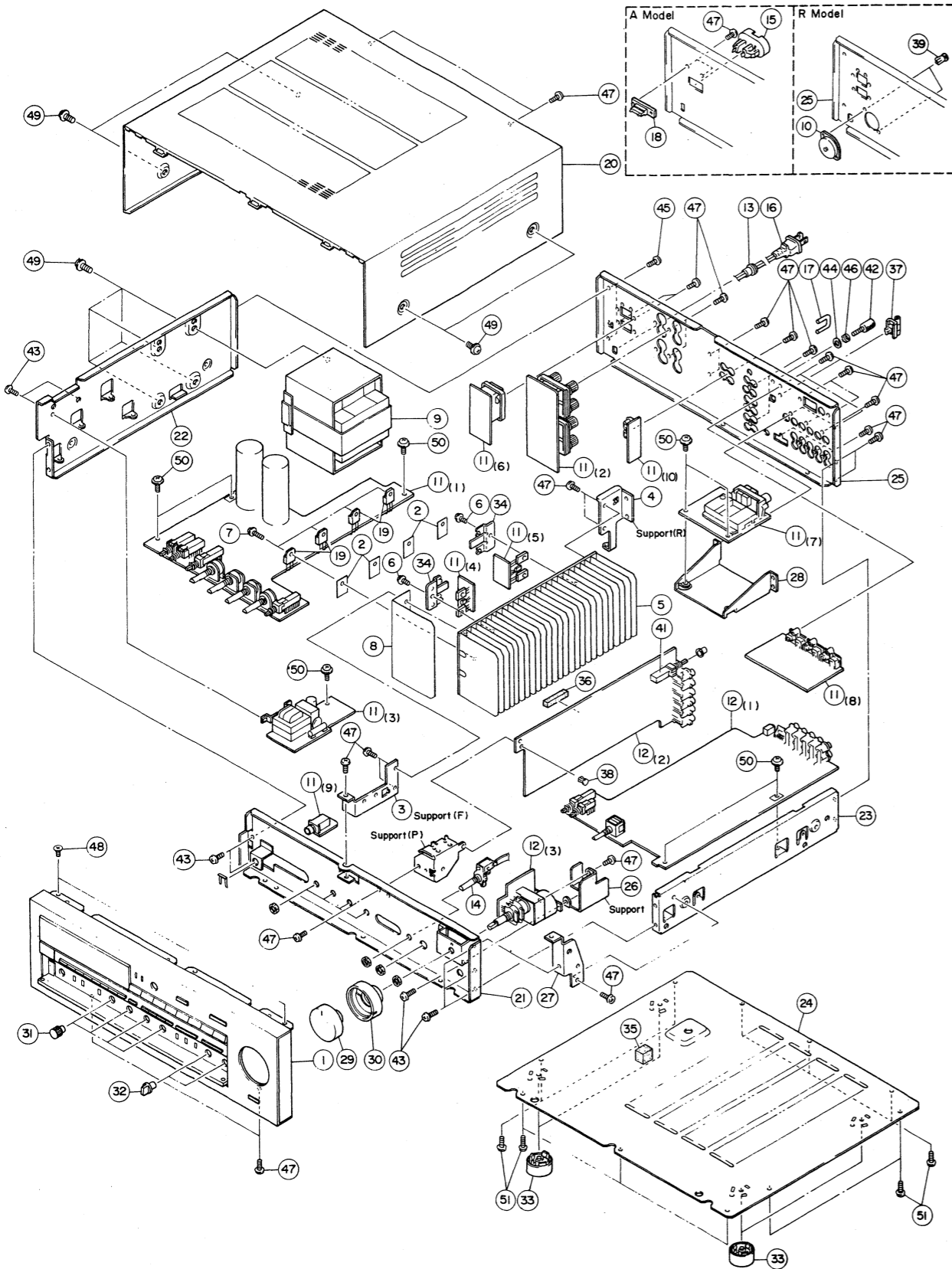
*New Parts (新規部品) NR

Ref. No.	Part No.	Description	部品名	Remarks	Common Model	Markets	ランク
	iA:09:33:70	Transistor	2SA933S(Q,R)	トランジスター	Q508,513,514,519,524,525,527,530,531,533,534		
	iA:11:15:10	//	2SA1115(E,F)	"	//	Inter-changeable	
	iA:13:10:00	//	2SA1310(R,S,T)	"	//		
	iC:18:15:20	//	2SC1815(Y)	"	Q546,548,552,557-559,522		
	iC:19:23:00	//	2SC1923	"	Q502,503		
	iC:28:78:20	//	2SC2878(A,B)	"	Q511,553-556,517		
	iC:20:60:00	//	2SC2060	"	Q550		
	iC:17:40:70	//	2SC1740S(S,R)	"	Q501,504-507,509,510,512,515,516,518,520,521,523,526,528,529,532,535	Inter-changeable	
	iC:26:03:10	//	2SC2603(E,F)	"	//		
	iC:33:12:00	//	2SC3312(R,S,T)	"	//		
	iF:00:06:70	Diode	1S2473	ダイオード	D515-520	Inter-changeable	
	iF:00:00:40	//	1S1555	"	//		
	iF:00:34:50	//	1S5133	"	D501-503,505-511,513,514,522,524,526-534,536,537		
*	iF:01:06:90	Zener Diode	MTZ5.1B	ツェナーダイオード	D504		
	iF:01:07:50	//	MTZ6.2C	"	D523,525,535		
	iF:01:08:10	//	MTZ7.5C	"	D521		
	iG:03:45:00	IC	μPC577H(F)	I C	IC501,502		
	iG:03:55:00	//	TC4028BP	"	IC508	Inter-changeable	
	iG:14:87:00	//	BU4028B	"	//		
	iG:04:78:00	//	LA1245	"	IC505		
	iG:04:91:00	//	LC7210	"	IC506		
	iG:05:49:00	//	M54542	"	IC518		
	iG:07:68:00	//	NJM4558S	"	IC503,519-521		
	iG:08:57:00	//	M5218L(V)	"	IC522,526,529		
	iG:12:18:00	//	NJM4560S	"	IC509		
	iG:14:93:00	//	LC4966	"	IC510-513,523-525		
	iG:15:81:00	//	LA3401	"	IC504		
*	XA:54:90:01	//	LB1294	"	IC514,515		
*	XB:93:00:01	//	LA7910	"	IC516		
*	XB:91:70:01	//	LC6505C-3203	"	IC517		
*	XB:91:80:01	//	LC6510C-3232	"	IC507		
	KA:80:51:10	Push Switch	SUN 2-2 NS	プッシュスイッチ	SW502		
	KA:80:51:70	//	SUN 4-2 NS	"	SW504		
	KA:80:52:00	//	SUF 4-2 S & NS	"	SW501		
	KA:90:10:70	Remote Switch	4-6	リモートスイッチ	SW505		
*	VC:42:59:00	Rotary Switch	SRBU 2-4	ロータリースイッチ	SW503		
	LB:10:07:30	Mini Jack	S-G8035	ミニジャック	JK501		
	LB:60:83:90	ST Connector Socket	6P	SPコネクタソケット	JK502		
	LB:20:22:70	Pin Jack	2P	ピンジャック	PJ504		
	LB:40:10:30	//	4P	"	PJ502,503,505,506		
	LB:40:10:40	//	4P	"	PJ501		
	NA:08:78:30	AM Coil Pack		AM電子同調コイルパック	U501		
	QU:00:39:00	Quartz Crystal	32kHz	水晶振動子	XL503		
	LB:91:80:30	Base Pin	3P i-Type	ベースピン			
	LB:91:80:20	//	2P i-Type	"			
	VA:72:56:00	Cable Holder	6P i-Type	パラレルケーブルホルダー			

*New Parts (新規部品) NR

RX-900/900U

EXPLODED VIEW



RX-900/900U

MECHANISM PARTS

Ref. No.	Part No.	Description	部品名	Remarks	Common Model	Markets	ランク
* 1	VC 63 82:00	Front Panel Unit	RX-900	フロントパネルユニット		R, A	
* //	VC 63 83:00	//	RX-900/U	//		U, C	
2	VB 43 50:00	Sheet, Radiation		放射シート			
3	AA 62 60:00	Support (F)		サポート(F)			
4	AA 62 60:10	// (R)		// (R)			
5	BA 09 24:70	Radiator		ラジエター			
6	Ei 33 00:86	Binding Head Tapping Screw	3×8 FCRM3-BI	バインドタッピングネジ	PACK		
7	EZ 00 13:50	Cup Screw	3×14×φ8 FCRM3-BI	カップスクリュー(Bタイト)			
8	VC 66 88:00	Spacer		スペーサー			
* 9	XB 93 20:01	Power Transformer		電源トランス		U	
* //	XB 93 30:01	//		//		A	
* //	XB 93 40:01	//		//		C	
* //	XB 93 10:01	//		//		R	
10	LB 20 14:80	Voltage Selector		電圧切換器		R	
* 11	NA 09 32:70	Main Circuit Board		メインシート		R	
* //	NA 09 32:80	//		//		U, C	
* //	NA 09 32:90	//		//		A	
* 12	NA 09 33:10	Control Circuit Board		コントロールシート		U, C	
* //	NA 09 33:20	//		//		A	
* //	NA 09 35:80	//		//		R	
13	CB 62 01:90	Cord stopper	CM-22B	コードストッパー		R, A	
	CB 62 02:00	//	CM-22C	//		U, C	
14	KA 90 71:00	Remote Rotary Switch	ESA-33	リモートロータリースイッチ			
* 15	VC 62 61:00	AC Outlet	2P	A C アウトレット		RX-700	A
16	MG 00 16:30	Power Cord	6A 250V 2m	電源コード			R
	MG 00 22:20	//	10A 125V1.98m	//			U, C
	MG 00 09:20	//	7.5A 250V2.5m	//			A
	MG 00 23:10	//	// 2m	//	Interchangeable		A
17	LB 10 11:10	Short Plug		ショートプラグ			
18	LA 00 29:50	Terminal Board	2P MA0092A	中継端子台		A	
19	iA 12 65 30	Pair Transistor	2SA1265	ペアトランジスタ	Q539, 540		
	iC 31 82 30	//	2SC3182	//	Q537, 538		
20	AA 62 60:40	Top Cover		トップカバー	Silver	R-9	
	AA 62 60:60	//		//	Black	R-9	
* 21	VC 40 58:00	Sub Chassis		サブシャーシ			
* 22	VC 40 59:00	Frame (L)		フレーム(L)			
* 23	VC 40 60:00	// (R)		// (R)			
* 24	VD 26 72:00	Bottom Cover		ボトムカバー			
* 25	VC 40 48:00	Rear Panel		リヤパネル		R	
* //	VC 40 49:00	//		//		U, C	
* //	VC 40 50:00	//		//		A	
* 26	VC 40 34:00	Support		サポート			
	AA 62 59:80	// (S)		// (S)		R-9	
* 28	VC 40 33:00	Stay		ステイ			
29	BA 09 25:10	Knob	φ44	ノブ	Silver	R-8	
	BA 09 25:20	//	φ44	//	Black	R-8	
	BA 09 25:30	//	φ48	//	Silver	R-9	
	BA 09 25:40	//	φ48	//	Black	R-9	
31	CB 62 08:20	Knob					
32	CB 62 08:40	Switch Knob					
33	CB 62 07:30	Leg		脚			
* 34	VC 63 78:00	TR Pusher		T R プッシャー			

*New Parts (新規部品) NR

Ref. No.	Part No.	Description	部 品 名	Remarks	Common Model	Markets	ランク
35	CB:64:58:80	Spacer		ス ペ ー サ ー	R-9		
36	CB:64:42:40	Cushion		ク ッ シ ョ ン			
37	CB:60:74:70	Holder, Antenna		ア ン テ ナ ホ ル ダ ー			
38	CB:60:56:20	Plastic Rivet		プ ラ ス チ ッ ク リ ベ ッ ト			
39	CB:06:88:80	//		//			
40	CB:64:14:70	Spacer		ス ペ ー サ ー			
41	CB:62:72:40	Knob Switch		MMゲインスイッチ			
42	AA:62:73:10	Terminal, GND	STG 3×13	GND タ ー ミ ナ ル			
43	ED:23:00:66	Binding Head Screw	3×6 FCRM3-BI	バ イ ン ド 小 ネ ジ	PACK		
44	EV:90:13:60	Sems Plain Washer	$\phi 10 \times \phi 3.6 \times t 0.8$ FNM3-39g	セ ム ス 平 座 金	PACK		
45	Ei:33:00:86	Binding Head Tapping Screw	3×8 FCRM3-BI	バ イ ン ド タ ッ ピ ン グ ネ ジ	PACK		
46	EV:41:30:36	Toothed Lock Washer	$\phi 3$ FCRM3-BI	歯 付 座 金	PACK		
47	Ei:33:00:86	Binding Head Tapping screw	3×8 FCRM3-BI	バ イ ン ド タ ッ ピ ン グ ネ ジ	PACK		
48	EO:33:00:66	Flat Head Tapping Screw	3×6 FCRM3-BI	皿 タ ッ ピ ン グ ネ ジ	PACK		
49	EK:36:50:40	BW Head Screw	4×8 FCRM3-BI	B W ヘ ッ ド 小 ネ ジ	Black		
50	EK:03:00:60	BW Head Tapping Screw	3×8 ZMC2-Y	BWヘッドタッピングネジ			
51	Ei:03:00:66	Binding Head Tap Tyte Screw	3×6 ZMC2-Y	バ イ ン ド B タ イ ト ネ ジ	PACK		
	CB:06:92:50	Binding Tie	BK-1	イ ン シ ュ ロ ッ ク タ イ			
		Accessories		付 属 品			
	Mi:06:44:00	FM Antenna	FM	FM Q マ ッ チ ア ン テ ナ			
	Mi:08:29:10	Loop Antenna	AM	A M ル ー プ ア ン テ ナ			
	VA:94:59:00	ST Connector	6P	ケ ー ブ ル			
	Mi:08:17:80	Mini Plug Cord		ミ ニ プ ラ グ コ ー ド			
	VB:10:54:00	Matching Transformer	S-U5025	整 合 器			
※	VC:42:96:00	Remote Control Transmitter	RS-RX11	リモコントランスミッター			
		Dry Cell	SUM-3 (AA)	単 3 乾 電 池			

※New Parts (新規部品) NR

A

B

C

D

E

RX-900/900U

EXPLODED VIEW

PANEL UNIT

1

2

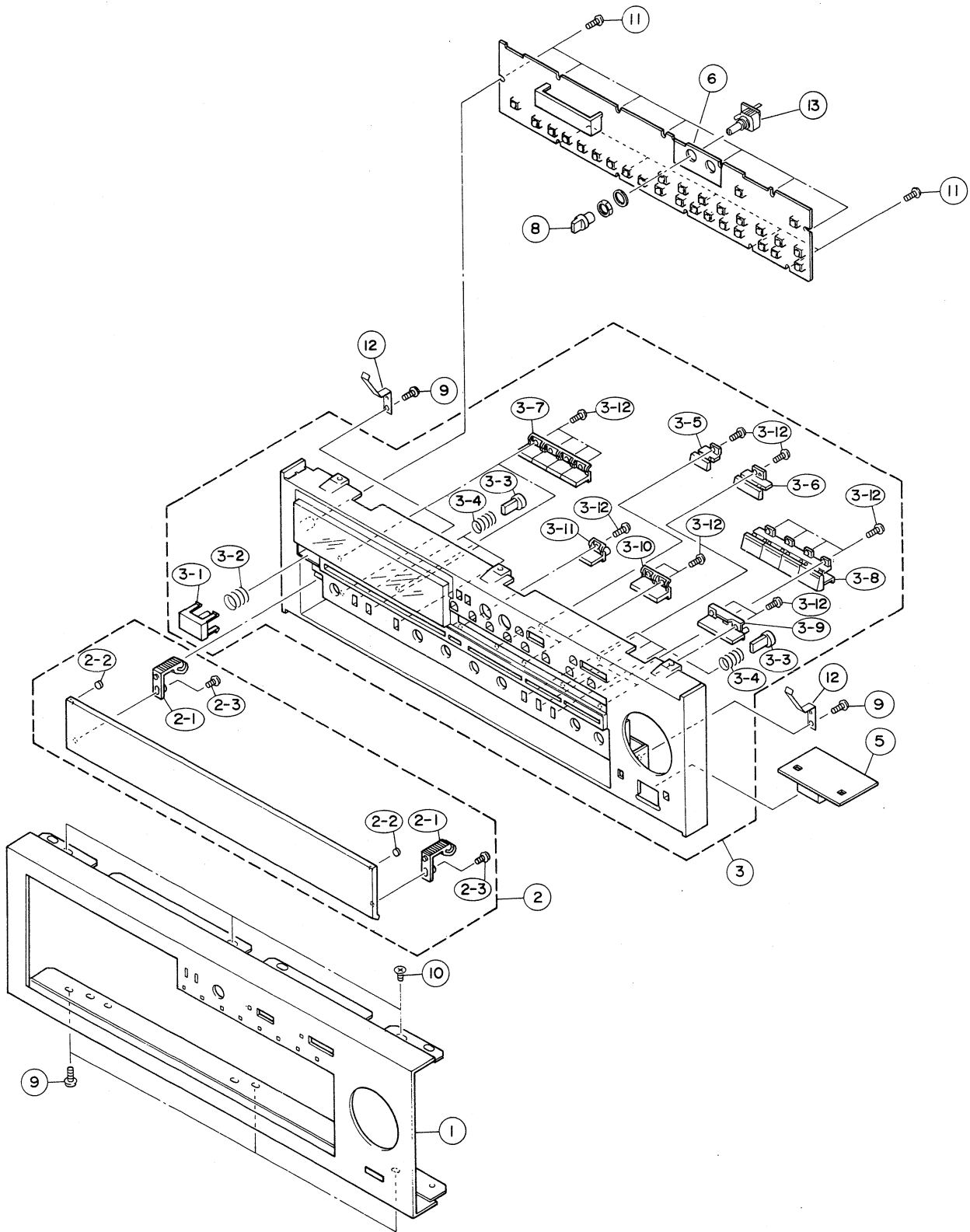
3

4

5

6

7



MECHANISM PARTS

Ref. No.	Part No.	Description	部 品 名	Remarks	Common Model	Markets	ランク
※	VC 63:82:00	Panel Unit	パネ ル ユ ニ ッ ト			R,A	
※	VC 63:83:00	//	//			U,C	
※	1 VC 64:03:00	Front Panel Ass'y	フ ロ ン ト パ ネ ル A s s ' y	Black		R,A	
※	// VC 64:05:00	//	//	Black		U,C	
※	2 VC 63:91:00	Sealing Panel Ass'y	シ ー リ ン グ パ ネ ル A s s ' y	Black			
※	2-1 CX 60:08:90	Hing	ヒ ン ジ	Black			
※	2-2 CX 60:09:00	Cushion	ク ッ シ ョ ン	Black			
	2-3 EA 33:00:66	Pan Head Screw	3×6 FCRM3-BI ナベ小ネジ	PACK			
※	3 VC 64:11:00	Sub Chassis Unit	サ ブ シ ャ ー シ ユ ニ ッ ト	Black			
	3-1 VC 46:79:00	Button, Power	ボ タ ン	Black			
※	3-2 AX 60:02:30	Spring	ス プ リ ン グ				
※	3-3 CB 62:08:60	Push Button	プ ッ シ ュ ボ タ ン	Black			
	3-4 AX 60:02:40	Spring	ス プ リ ン グ				
※	3-5 VC 41:66:00	Button, VE	ボ タ ン	Black			
※	3-6 CX 60:07:80	Button, Muting	//	Black			
※	3-7 CX 60:07:70	Button, Push	4P プ ッ シ ュ ボ タ ン	Black			
※	3-8 CB 64:01:50	//	4P //	Black			
	3-9 CB 63:99:70	Button, Seesaw	ボ タ ン シ ー ソ ー	Black			
	3-10 CB 63:99:50	Button, Push	2P プ ッ シ ュ ボ タ ン	Black			
	3-11 CB 63:99:30	//	1P //	Black			
	3-12 EJ 02:00:66	Pan Head Tapping Screw	2×6 ZMC2-Y ナベタッピングネジ	PACK			
※	4 VD 18:27:00	Keyboard Circuit Board	キ ー ボ ー ド シ ー ト				
※	5 VD 18:28:00	Remote Control Circuit Board	リ モ ー ト コ ン ト ロ ー ル シ ー ト				
	6 VD 18:29:00	Enhancer Circuit Board	エ ン ハ ン サ ー シ ー ト				
	7 CX 60:09:10	Spacer	ス ペ ー サ ー				
※	8 VC 40:57:00	Knob Volume	ボ リ ュ ー ム ノ ブ				
	9 EJ 33:00:86	Pan Head Tapping Screw	3×8 FCRM3-BI ナベタッピングネジ	PACK			
	10 EO 33:00:66	Flat Head Tapping Screw	3×6 FCRM3-BI 皿タッピングネジ	PACK			
	11 EJ 02:60:66	Pan Head Tapping Screw	2.6×6 ZMC2-Y ナベタッピングネジ	PACK			
	12 XX 65:00:50	Spring	バ ネ				
※	13 HX 60:18:00	Potentiometer	1kΩ 可 変 抵 抗 器				

※New Parts (新規部品) NR

A

B

C

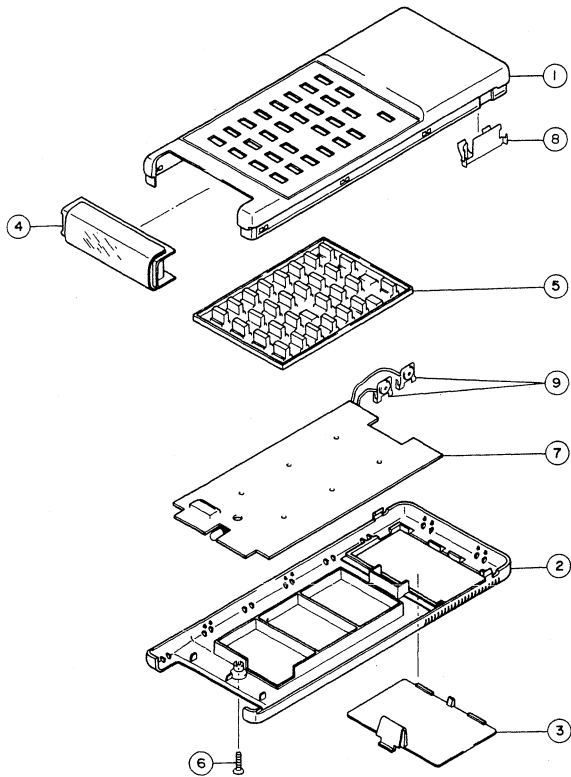
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E

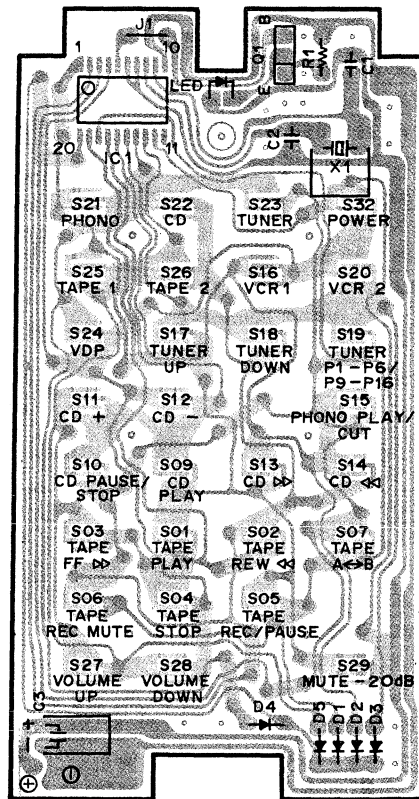
RX-900/900U

REMOTE CONTROL TRANSMITTER

MECHANISM EXPLODED VIEW (RS-RX9)

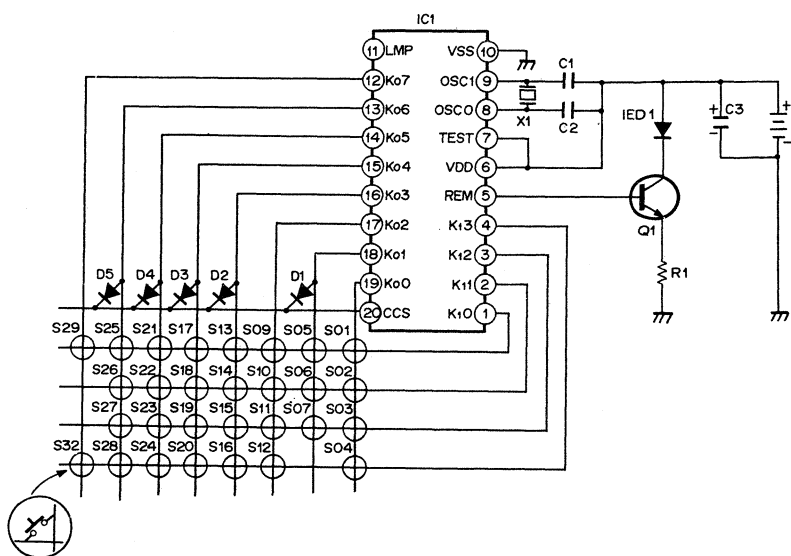


PRINTED CIRCUIT BOARD (Pattern Side)



SCHEMATIC DIAGRAM

Key No.	FUNCTION	DATA CODE	HEX CODE
S01	TAPE PLAY	0 0 0 0 0 0 0 0	0
S02	TAPE REW	1 0 0 0 0 0 0 0	1
S03	TAPE FF	0 1 0 0 0 0 0 0	2
S04	TAPE STOP	1 1 0 0 0 0 0 0	3
S05	TAPE REC/PAUSE	0 0 1 0 0 0 0 0	4
S06	TAPE REC MUTE	1 0 1 0 0 0 0 0	5
S07	TAPE A-B	0 1 1 0 0 0 0 0	6
S09	CD PLAY	0 0 0 1 0 0 0 0	8
S10	CD PAUSE/STOP	1 0 0 1 0 0 0 0	9
S11	CD +	0 1 0 1 0 0 0 0	A
S12	CD -	1 1 0 1 0 0 0 0	B
S13	CD	0 0 1 1 0 0 0 0	C
S14	CD	1 0 1 1 0 0 0 0	D
S15	PHONO PLAY/CUT	0 1 1 1 0 0 0 0	E
S16	VCR1	1 1 1 1 0 0 0 0	F
S17	TUNER UP	0 0 0 0 1 0 0 0	10
S18	TUNER DOWN	1 0 0 0 1 0 0 0	11
S19	TUNER P1-P8/P9-P16	0 1 0 0 1 0 0 0	12
S20	VCR2	1 1 0 0 1 0 0 0	13
S21	PHONO	0 0 1 0 1 0 0 0	14
S22	CD	1 0 1 0 1 0 0 0	15
S23	TUNER*	0 1 1 0 1 0 0 0	16
S24	VDP	1 1 1 0 1 0 0 0	17
S25	TAPE 1	0 0 0 1 1 0 0 0	18
S26	TAPE 2	1 0 0 1 1 0 0 0	19
S27	VOLUME UP	0 1 0 1 1 0 0 0	1A
S28	VOLUME DOWN	1 1 0 1 1 0 0 0	1B
S29	MUTE -20dB	0 0 1 1 1 0 0 0	1C
S32	POWER	1 1 1 1 1 0 0 0	1F
CUSTOM CODE C0-C7		0 1 0 1 1 1 1 0	7A



■ ELECTRICAL PARTS

Ref. No.	Part No.	Description	部品名		Remarks	Common Model	Markets	ランク
※	NX 60:04:40	P.C Board Ass'y		プリント基板 Ass'y				
	iX 60:16:00	IC	μPD1943G	I C	IC1			
	QX 60:00:40	Ceramic Resonator	KBR-455BTL	セラミック振動子	X1			
	FG 21:21:00	Ceramic Cap.	100pF 50V	セラコン	C1,2			
	UJ 11:74:70	Electrolitic Cap.	47μF 6.3V	ケミコン	C3			
	iC 26:73:00	Transistor	2SC2673	トランジスター	Q1			
	iX 60:36:00	LED	SLR-932	L E D	D1			
	iF 00:06:70	Diode	1S2473	ダイオード	D1-5			
	HX 60:14:00	Carbon Resistor	2Ω 1/4W	カーボン抵抗	R1			

※New Parts (新規部品)

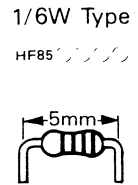
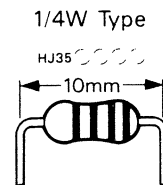
■ EXPLODED VIEW PARTS

Ref. No.	Part No.	Description	部品名		Remarks	Common Model	Markets	ランク
※	VC 42:96:00	Remote Control Transmitter	RS-RX11	リモートコントロールトランスミッター				
※	1 CX 60:07:90	Case (A) Ass'y		ケース (A) Ass'y				
	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		ゴム接点				
	6 XX 67:16:60	Flat Head Screw		皿小ネジ				
※	7 NX 60:04:40	P.C Board Ass'y		プリント基板 Ass'y				
	8 XX 67:16:80	Battery Terminal (A)		電池電極板 (A)				
	9 XX 67:16:90	// (B)		// (B)				

※New Parts (新規部品)

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
100 "	HJ355100	HF855100	220 "	HJ358220	HF858220
110 "	HJ355110	HF855110	270 "	HJ358270	HF858270
120 "	HJ355120	HF855120	330 "	HJ358330	HF858330
150 "	HJ355150	HF855150	390 "	HJ358390	HF858390
160 "	HJ355160	※	470 "	HJ358470	HF858470
180 "	HJ355180	HF855180	560 "	HJ358560	HF858560
220 "	HJ355220	HF855220	680 "	HJ358680	HF858680
270 "	HJ355270	HF855270	820 "	HJ358820	HF858820
330 "	HJ355330	HF855330	1.0M Ω	HJ359100	HF859100
390 "	HJ355390	HF855390	1.2 "	HJ359120	※
470 "	HJ355470	HF855470	1.5 "	HJ359150	HF859150
510 "	※	HF855510	1.8 "	HJ359180	HF859180
560 "	HJ355560	HF855560	2.2 "	HJ359220	HF859220
680 "	HJ355680	HF855680	3.3 "	HJ359330	HF859330
820 "	HJ355820	HF855820	3.9 "	HJ359390	※
910 "	HJ355910	HF855910	4.7 "	HJ359470	※
1.0K Ω	HJ356100	HF856100			
1.2 "	HJ356120	HF856120			
1.5 "	HJ356150	HF856150			
1.8 "	HJ356180	HF856180			
2.0 "	HJ356200	HF856200			
2.2 "	HJ356220	HF856220			
2.4 "	HJ356240	HF856240			
2.7 "	HJ356270	HF856270			
3.0 "	HJ356300	HF856300			
3.3 "	HJ356330	HF856330			
3.6 "	HJ356360	HF856360			
3.9 "	HJ356390	HF856390			
4.7 "	HJ356470	HF856470			
5.1 "	HJ356510	HF856510			
5.6 "	HJ356560	HF856560			
6.8 "	HJ356680	HF856680			
8.2 "	HJ356820	HF856820			
9.1 "	HJ356910	HF856910			
10 "	HJ357100	HF857100			



RX-900/900U