



Service Manual

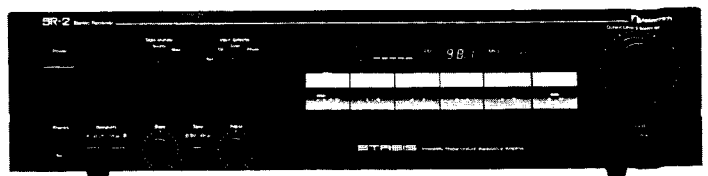
Nakamichi

SR-2

SR-2A

SR-2E

Stereo Receiver



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1. GENERAL

1.1. Voltage Selector

Voltage selector is installed on the rear panel for Other version of the Nakamichi SR-2.
This voltage selector can select either 110 V, 120 V, 220 V or 240 V at customer's disposal.

Schematic Ref. No.	Part No.	Description	Q'ty	Schematic Ref. No.	Part No.	Description	Q'ty
01	FA03544A	Package Ass'y (SR-2 (Canada))	1	01	0B90070A	AM Loop Antenna Holder	1
	FA03546A	Package Ass'y (SR-2 (Australia))	1	02	0B90081A	Feeder Antenna	1
	FA03545A	Package Ass'y (SR-2 (Other))	1	03	0B90194A	Antenna Adapter F (SR-2 & SR-2A)	1
	FA03543A	Package Ass'y (SR-2A)	1	04	0B90208A	Antenna Adapter EP (SR-2E)	1
	FA03568A	Package Ass'y (SR-2E (Germany & Europe))	1		0B90198A	AM Loop Antenna	1
	OF03986A	Carton Box (SR-2)	1	—	0D03092B	Poly-Bag 320x340x0.08	1
	OF03985A	Carton Box (SR-2A)	1	—	0D04449A	Important Notice Card	1
	OF03989B	Carton Box (SR-2E)	1	—	0D04651B	Owner's Manual SR-4/3/2 & SR-4A/3A/2A	1
	OF03984B	Packing L	1	—	0D04764B	Owner's Manual SR-4E/3E/2E	1
	OF03991A	Packing R	1	—	0D04673B	French Text (SR-4/3/2 (Canada))	1
	OF03670A	Poly-Sheet	1	—	0D04674B	Owner's Manual Text (SR-4/3/2 (Australia))	1
	OM03456A	Voltage Seal 220V (SR-2 (Other))	2	—	0D04675B	Owner's Manual Text (SR-4/3/2 (Other))	1
	OM03457A	Voltage Seal 240V (SR-2 (Australia))	2	—	DA03873A	Warranty Card Ass'y (SR-2A)	1
	DA03991A	Accessory Ass'y (SR-2 (Canada))	1	—	0D04766A	Catalogue (SR-2A)	1
	DA03992A	Accessory Ass'y (SR-2 (Australia))	1	—	0D04767A	Warranty Card (SR-2 (Canada))	1
DA04009A	Accessory Ass'y (SR-2 (Other))	1					
DA03990A	Accessory Ass'y (SR-2A)	1					
DA03996A	Accessory Ass'y (SR-2E (Europe))	1					
DA04055A	Accessory Ass'y (SR-2E (Germany))	1					

1.2. Package Ass'y and Parts List

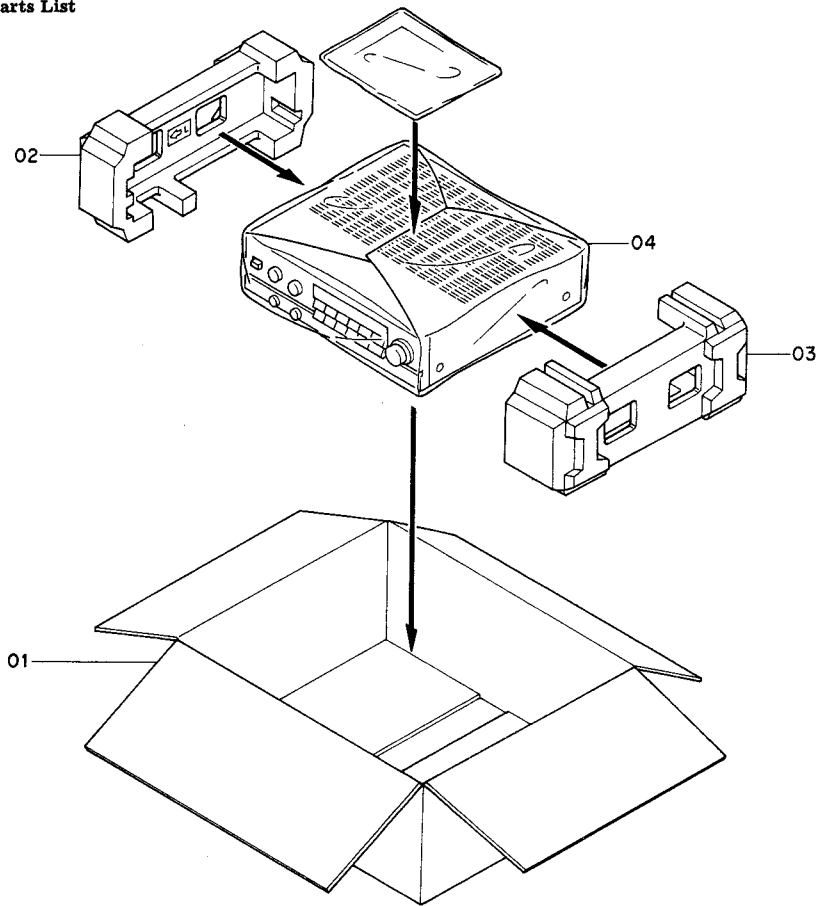


Fig. 1.1

1.3. Accessory Ass'y and Parts List

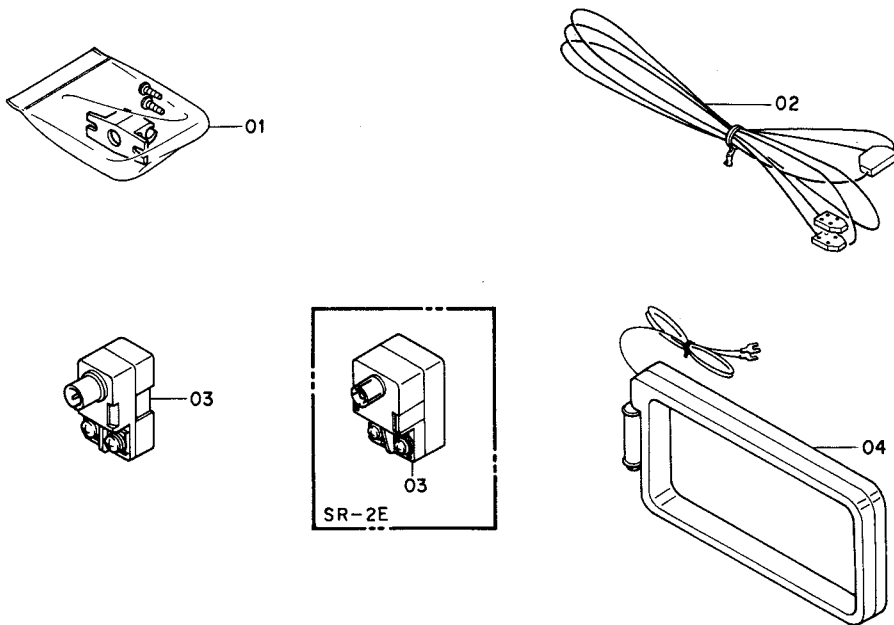


Fig. 1.2

2. PARTS LOCATION FOR ELECTRICAL ADJUSTMENT

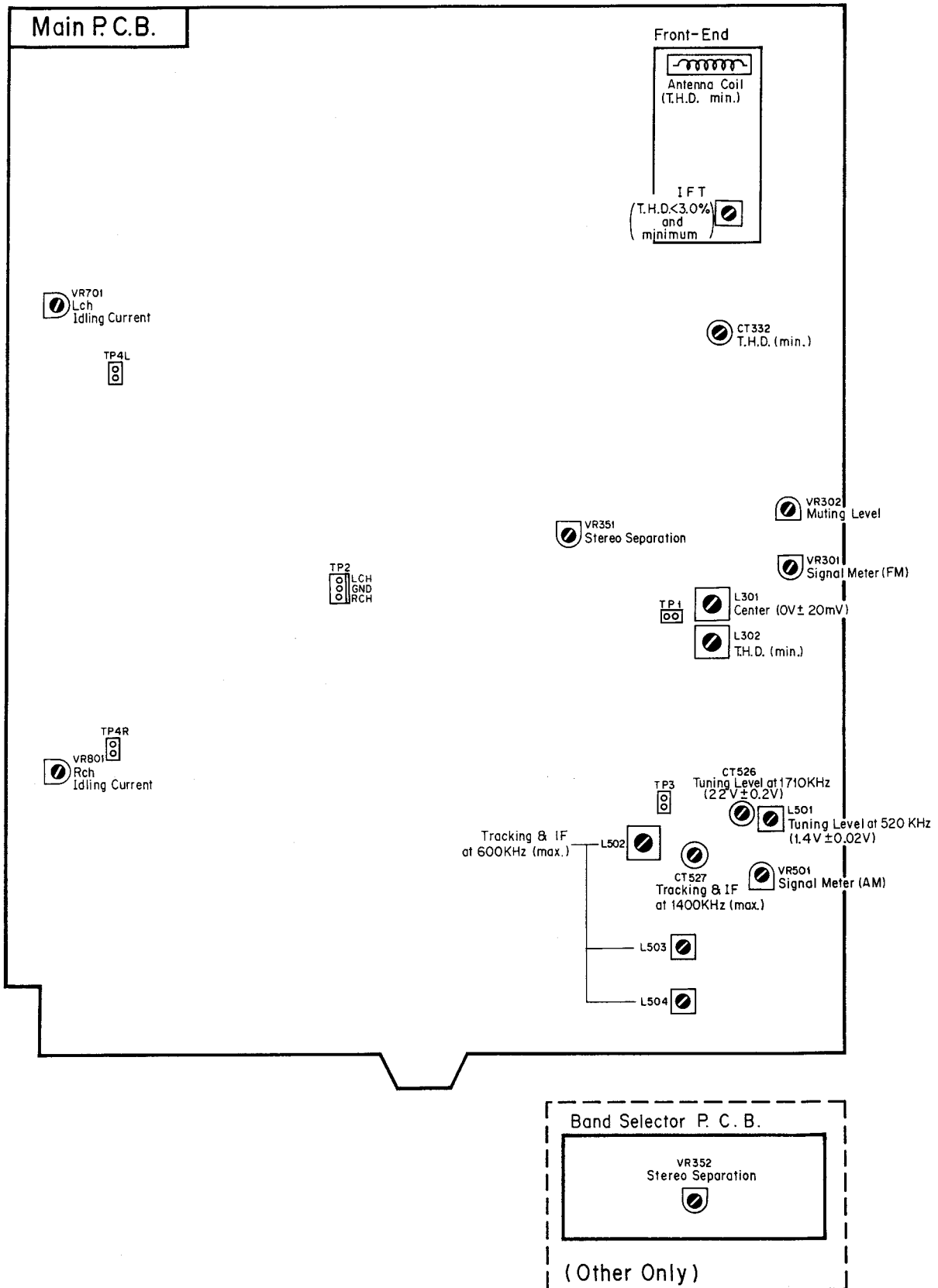


Fig. 2

3. ELECTRICAL ADJUSTMENTS

3.1. Power Amplifier Section

STEP	ITEM	SIGNAL SOURCE	OUTPUT CONNECTION	MODE	ADJUSTMENT	REMARKS
1	Idling Current	None	DC Voltmeter between TP4L-1 & 2 and TP4R-1 & 2 on Main P.C.B.	Input Selector - CD Output Level - Min. Speaker Selector A/B - OFF	Main P.C.B. VR701 VR801	<ol style="list-style-type: none"> 1. Insert shorting plugs into the CD Player Input Jacks. 2. Turn ON the power and allow 3 minutes before adjusting. (Top Cover must be installed in this period of time.) 3. Adjust VR701 (VR801) to obtain 20 mV \pm 1 mV on the DC voltmeter.

3.2. Tuner Section

Note: Adjustment should be made in a shielded room in principle.

3.2.1. FM Tuner Section

STEP	ITEM	OUTPUT CONNECTION	MODE	ADJUSTMENT	REMARKS
1	Preliminary Step	See Fig. 3.1	Stereo Receiver Input Selector - Tuner Band Selector - FM Tape Monitor - Source Signal Generator Freq. - 98 MHz RF Level - 65 dBf Modulation - See REMARKS		<ol style="list-style-type: none"> 1. Set the Stereo Receiver as indicated in the MODE. 2. Adjustment and confirmation should be made after tuning in to the set carrier frequency of the Signal Generator. <p>Note: Contents of modulation</p> <ol style="list-style-type: none"> 1. For U.S.A., Canada & Other (Wide) <ul style="list-style-type: none"> o Stereo Audio: 1 kHz, 91% Pilot: 19 kHz, 9% o Mono Audio: 1 kHz, 100% 2. For Europe, Germany, Australia & Other (Narrow) <ul style="list-style-type: none"> o Stereo Audio: 1 kHz, 51% Pilot: 19 kHz, 9% o Mono Audio: 1 kHz, 60%
2	Usable Sensitivity Adjustment	Distortion Meter to Tape Record Output Jacks	Stereo Receiver Same as above Signal Generator Freq. - 98 MHz RF Level - 12.5 dBf Modulation - Mono	Main P.C.B. Front-end IFT Antenna Coil (See Fig. 2)	<ol style="list-style-type: none"> 1. Set the Stereo Receiver to Manual mode by pressing the Tuning Mode button. 2. Adjust the IFT to obtain minimum distortion (total harmonic distortion (THD): 3% or less). 3. Adjust the distance between windings of antenna coil to obtain minimum distortion. 4. Set the frequency of the Signal Generator to 90 MHz/106 MHz and check that the THD is 3% or less.

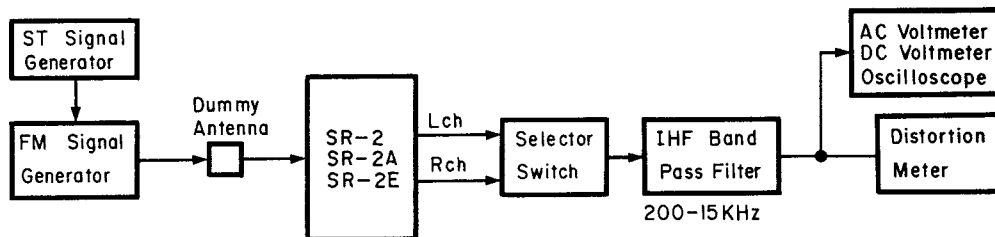


Fig. 3.1

STEP	ITEM	OUTPUT CONNECTION	MODE	ADJUSTMENT	REMARKS
3	Center Voltage and THD Adjustment	DC Voltmeter between TP1-1 & TP1-2 on Main P.C.B. and Distortion Meter to Tape Record Jacks	Stereo Receiver Same as above Signal Generator Freq. - 98 MHz RF Level - 65 dBf Modulation - Mono	Main P.C.B. L301 L302	1. Set the Stereo Receiver to Manual mode. 2. Adjust L301 so that the reading on the DC voltmeter is 0 V \pm 20 mV. 3. Adjust L302 to obtain minimum distortion (THD: 0.07% or less). Repeat 2 and 3, if necessary.
4	Muting Level Adjustment	Oscilloscope to Tape Record Output Jacks	Stereo Receiver Same as above Signal Generator Freq. - 98 MHz RF Level - 30 dBf Modulation - Stereo	Main P.C.B. VR302	1. Set the Stereo Receiver to Auto mode. 2. Rotate VR302 fully counterclockwise. Then, return it clockwise gradually until a waveform appears on the oscilloscope. 3. Decrease the RF level of the Signal Generator until the waveform on the oscilloscope disappears. Then increase the RF level gradually until a waveform appears again. At this point, check that the RF level of the Signal Generator is 30 dBf \pm 3 dB.
5	Signal Strength Meter Level Adjustment	None	Stereo Receiver Same as above Signal Generator Freq. - 98 MHz RF Level - 56 dBf Modulation - Stereo	Main P.C.B. VR301	1. Set the Stereo Receiver to Auto mode. 2. Adjust VR301 so that all segments (1-5) of the signal strength meter light up. 3. Decrease the RF level of the Signal Generator to distinguish the segment 5. Next, increase the RF level gradually so that the segment 5 starts illuminating. At this point, check that the RF level of the Signal Generator is 56 dBf \pm 2 dB.
6	Stereo Separation Adjustment	AC Voltmeter to Tape Record Output Jacks	Stereo Receiver Same as above Signal Generator Freq. - 98 MHz RF Level - 65 dBf Modulation - L or R only	Main P.C.B. VR351 Band Selector P.C.B. VR352 (Other only)	Except for Other version: 1. Set the Stereo Receiver to Auto mode. 2. Apply modulation to only L channel. 3. Adjust VR351 to obtain minimum reading on the AC voltmeter at the R channel output jack. 4. Apply modulation to only R channel. 5. Check that the reading on the AC voltmeter at the L channel output jack is within \pm 1 dB with respect to the reading in 3. If not, repeat 2 through 4. For Other version: 1. Set the switches on the rear panel as follows: Freq. Step FM/AM - 100 kHz/10 kHz IF Band - Wide 2. Apply the same procedures as above. 3. Set the switches as follows: Freq. Step FM/AM - 50 kHz/9 kHz IF Band - Narrow 4. Apply the same procedures as mentioned above, except for VR352.

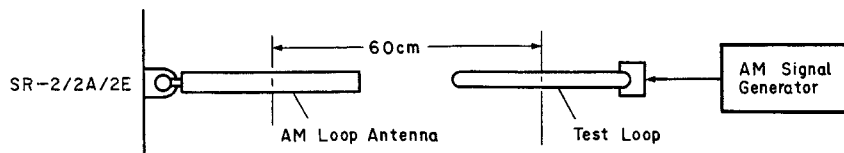


Fig. 3.2

STEP	ITEM	OUTPUT CONNECTION	MODE	ADJUSTMENT	REMARKS
7	Stereo/Mono Selection Check and THD Adjustment		<p>Stereo Receiver Same as above</p> <p>Signal Generator Freq. - 98 MHz RF Level - 65 dBf Modulation - Stereo/ Mono</p>	Main P.C.B. CT332	<ol style="list-style-type: none"> 1. Set the Stereo Generator to L=-R mode. 2. Set the Stereo Receiver to Manual mode and check that the Stereo indicator goes out and stereo outputs disappear. 3. Set the Stereo Receiver to Auto mode and adjust CT332 to obtain minimum distortion (THD: 0.09% or less).

3 2.2. AM Tuner Section

Note: Frequencies for Europe, Germany, Australia and Other (Narrow) are indicated in parentheses.

STEP	ITEM	OUTPUT CONNECTION	MODE	ADJUSTMENT	REMARKS
1	Tuning Level Adjustment	DC Voltmeter between TP3-1 and TP3-2 on Main P.C.B.	<p>Stereo Receiver Input Selector - Tuner Band Selector - AM Tape Monitor - Source</p> <p>Signal Generator Freq. - 520 (522) kHz/ 1710 (1611) kHz</p>	Main P.C.B. L501 CT526	<ol style="list-style-type: none"> 1. Set the frequency of the Signal Generator to 520 kHz (522 kHz) and make tuning. 2. Adjust L501 to obtain 1.4 V \pm0.02 V on the DC voltmeter. 3. Change the frequency to 1710 kHz (1611 kHz) and make tuning. 4. Adjust CT526 to obtain 22 V \pm0.2 V on the DC voltmeter. 5. If satisfactory results are not obtained, repeat 1 through 4.
2	Tracking and IF Adjustment	AC Voltmeter to Tape Record Output Jacks	<p>Stereo Generator Same as above</p> <p>Signal Generator Freq. - 600 (603) kHz/ 1400 (1404) kHz RF Level - 82 dBμ/m Modulation - 400 Hz 30%</p>	Main P.C.B. L502 L503 L504 CT527	<ol style="list-style-type: none"> 1. Set the measurement instruments as shown in Fig. 3.2. Set the distance between the AM Loop Antenna of the SR-2/2A/2E and a test loop to 60 cm. To obtain 56 dBμ/m at the AM Loop Antenna, set the RF level output of the AM Signal Generator to 82 dBμ/m as loss is 26 dBμ/m in this setting. 2. Set the frequency of the Signal Generator to 600 kHz (603 kHz) and make tuning. 3. Adjust L502 to obtain maximum reading on the AC voltmeter. 4. Adjust L503 to obtain maximum reading on the AC voltmeter. 5. Adjust L504 to obtain maximum reading on the AC voltmeter. 6. Set the frequency to 1400 kHz (1404 kHz) and make tuning. 7. Adjust CT527 to obtain maximum reading on the AC voltmeter. 8. Repeat 2 through 7 once.
3	Signal Strength Meter Level Adjustment	None	<p>Stereo Generator Same as above</p> <p>Signal Generator Freq. - 1000 (999) kHz RF Level - 106 dBμ/m</p>	Main P.C.B. VR501	<ol style="list-style-type: none"> 1. With the same setting as in Step 2, set the RF level output of the AM Signal Generator to 106 dBμ/m in order to obtain 80 dBμ/m at the AM Loop Antenna. 2. Adjust VR501 so that the segment 5 of the signal strength meter starts illuminating. <p>Note: Before adjustment, select AM mode and wait for more than three minutes.</p>

4. MECHANISM ASS'Y AND PARTS LIST

4.1. Synthesis

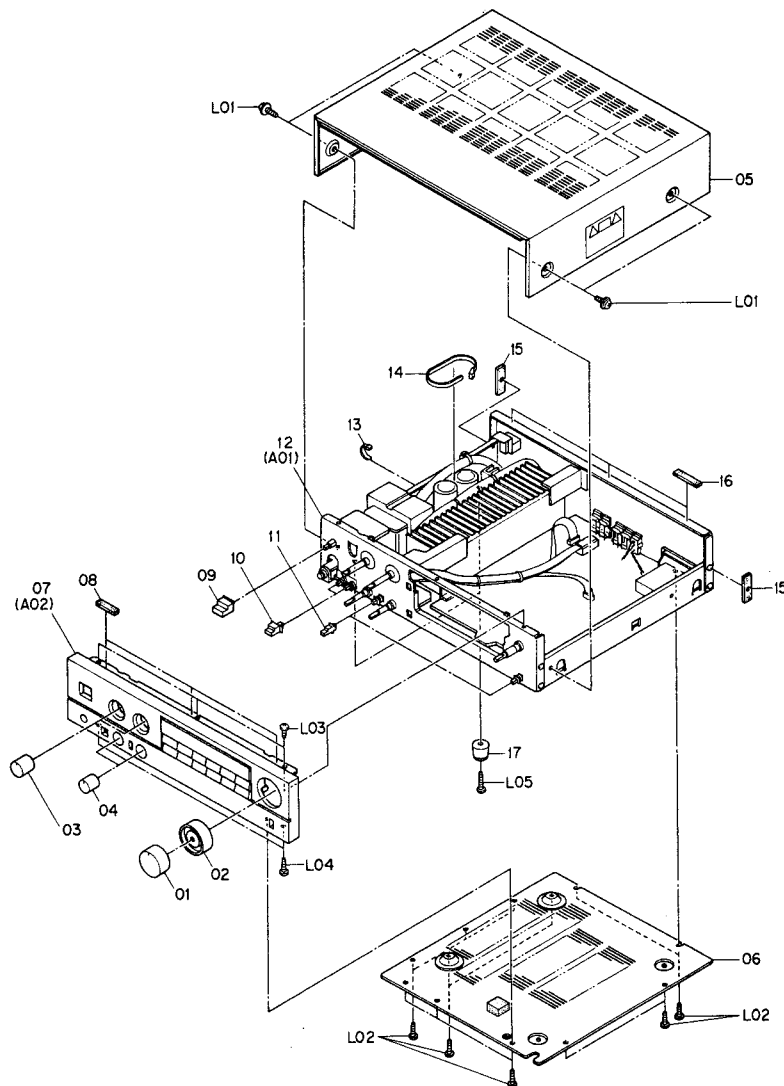


Fig. 4.1

Schematic Ref. No.	Part No.	Description	Q'ty	Schematic Ref. No.	Part No.	Description	Q'ty
		Synthesis			HA05097A	Front Panel Ass'y (SR-2A)	1
		Serial No.: D10401001 -			HA05096A	Front Panel Ass'y (SR-2E (Europe & Germany))	1
01	HA05103A	Volume Knob Ass'y	1	08	0J05364A	Top Cover Cushion T4	3
02	HA05104A	Balance Knob Ass'y	1	09	0H04947A	Power Switch Knob	1
03	HA05105A	Selector Knob Ass'y	2	10	0H04950B	Push Switch Knob 10L	2
04	HA05106A	Tone Control Knob Ass'y	2	11	0H04949B	Push Switch Knob 5L	2
05	HA05148A	Top Cover Ass'y (SR-2 (Canada & Australia), SR-2A & SR-2E (Europe & Germany))	1	12	JA04234A	Chassis Ass'y (SR-2 (Canada))	1
	HA05179A	Top Cover Ass'y (SR-2 (Other)) (Consisting of the followings:)	1		JA04236A	Chassis Ass'y (SR-2 (Australia))	1
	(0H04934C)	Top Cover	(1)		JA04235A	Chassis Ass'y (SR-2 (Other))	1
	(0M04377B)	Caution Label	(1)		JA04238A	Chassis Ass'y (SR-2A)	1
	(0J05261A)	Top Cover Cushion S	(3)		JA04237A	Chassis Ass'y (SR-2E (Europe))	1
	(0M04811A)	Voltage Caution Sheet (SR-2 (Other))	(1)	13	JA04287A	Chassis Ass'y (SR-2E (Germany))	1
	(0M04812A)	Voltage Caution Label (SR-2 (Other))	(1)	14	0B90019A	Insu-Lock SKB80	25
				15	0B08515A	Insu-Lock BK-1	5
				16	0J05226A	Side Cushion	2
				17	0J05363A	Top Cover Cushion T3	3
				L01	0J05162A	Leg T-S	2
					0E08032A	BT4x8 @ Pan Washer-faced (Black Chromate)	4
06	JA04245A	Bottom Cover Ass'y (Consisting of the followings:)	1	L02	0E00868A	BT3x8 @ Binding	12
	(0J05203C)	Bottom Cover	(1)	L03	0E00857A	BT3x6 @ Binding	3
	(0J05162A)	Leg T-S	(2)	L04	0E00921A	BT3x8 @ Binding (Black Chromate)	2
	(0M04377B)	Caution Label	(1)		0E00888A	BT3x12 @ Binding	2
	(0E00888A)	BT3x12 @ Binding	(2)	L05			
	(0J05214A)	P.C.B. Cushion	(1)				
07	HA05094A	Front Panel Ass'y (SR-2 (Canada))	1				
	HA05095A	Front Panel Ass'y (SR-2 (Australia & Other))	1				

4.2. Chassis Ass'y (A01)

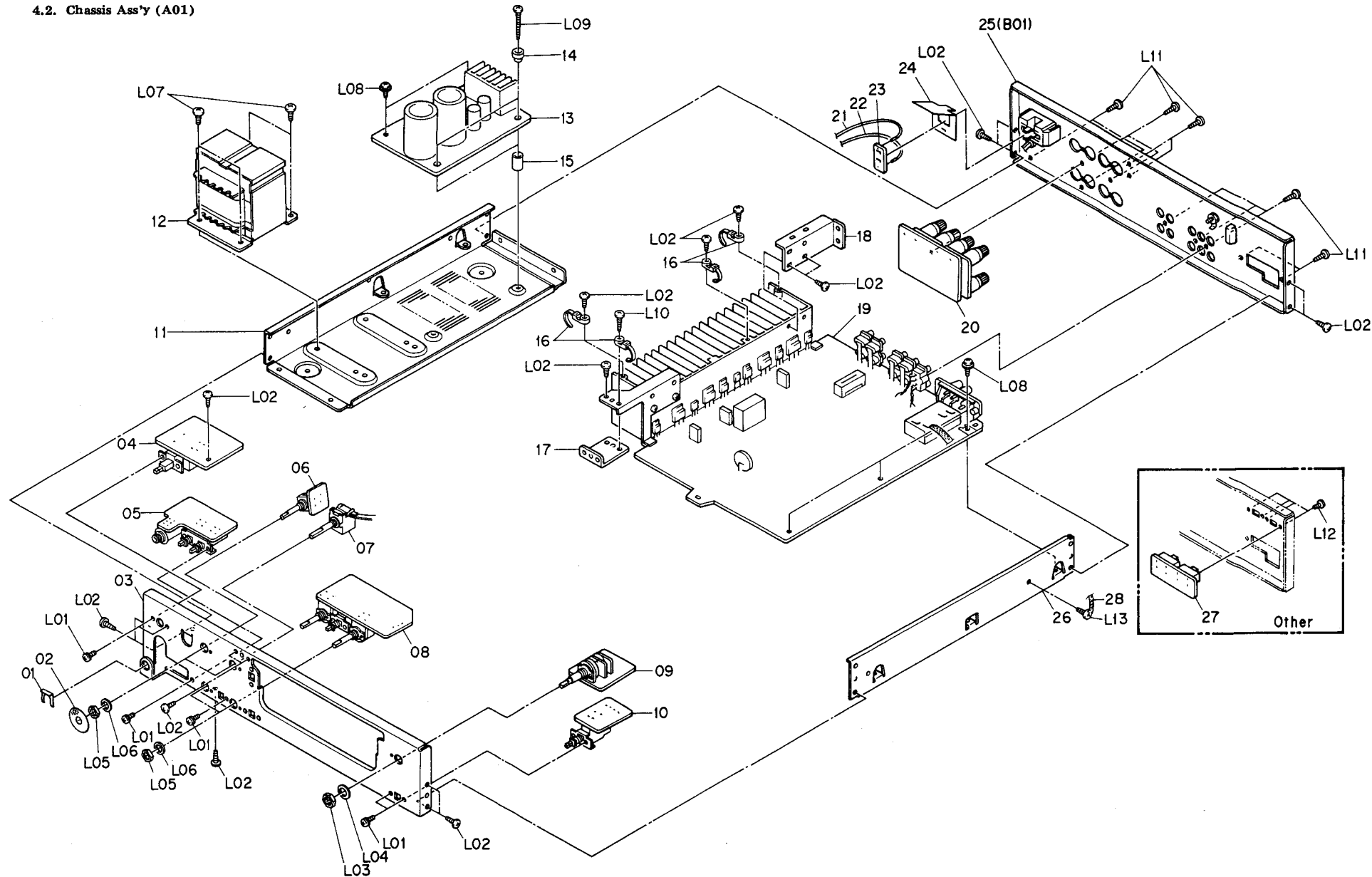


Fig. 4.2

Schematic Ref. No.	Part No.	Description	Qty
A01	JA04234A	Chassis Ass'y (SR-2 (Canada))	1
	JA04236A	Chassis Ass'y (SR-2 (Australia))	1
	JA04235A	Chassis Ass'y (SR-2 (Other))	1
	JA04238A	Chassis Ass'y (SR-2A)	1
	JA04237A	Chassis Ass'y (SR-2E (Europe))	1
	JA04287A	Chassis Ass'y (SR-2E (Germany))	1
		Serial No.: D10401001 -	
01	OJ05092A	Snap Plate	1
02	OJ05258B	Selector Knob Himelton	2
03	OJ05200C	Front Chassis	1
04	BA06250A	Power Switch P.C.B. Ass'y (SR-2 (Canada) & SR-2A)	1
	BA06252A	Power Switch P.C.B. Ass'y (SR-2 (Australia & Other))	1
	BA06251A	Power Switch P.C.B. Ass'y (SR-2E (Europe))	1
	BA06821A	Power Switch P.C.B. Ass'y (SR-2E (Germany))	1
05	BA06253A	Speaker Switch P.C.B. Ass'y	1
06	BA06256A	Monitor Switch P.C.B. Ass'y	1
07	OB70080A	Rotary Switch Controller 4-4	1
08	BA06244A	Tone Control P.C.B. Ass'y (SR-2, SR-2A & SR-2E (Europe))	1
	BA06817A	Tone Control P.C.B. Ass'y (SR-2E (Germany))	1
09	BA06243A	Volume P.C.B. Ass'y	1
10	BA06290A	Loudness Switch P.C.B. Ass'y	1
11	OJ05201C	Power Supply Chassis	1
12	OB50072A	Power Transformer (SR-2 (Canada) & SR-2A)	1
	OB50073A	Power Transformer (SR-2 (Australia) & SR-2E (Europe))	1
	OB50074A	Power Transformer (SR-2 (Other))	1
	OB50092A	Power Transformer (SR-2E (Germany))	1
13	BA06246A	Power Supply P.C.B. Ass'y (SR-2 (Canada & Other) & SR-2A)	1
	BA06247A	Power Supply P.C.B. Ass'y (SR-2 (Australia) & SR-2E (Europe))	1
	BA06820A	Power Supply P.C.B. Ass'y (SR-2E (Germany))	1
14	OJ05019A	Collar Bushing 10mm	2
15	OJ05208A	Collar Bushing 15mm	2
16	OB90210A	Insu-Lock T30MR-HS	4
17	OJ05206A	Heat Sink Holder B	1
18	OJ05227A	Heat Sink Holder D	1
19	BA06234A	Main P.C.B. Ass'y (SR-2 (Canada) & SR-2A)	1
	BA06309A	Main P.C.B. Ass'y (SR-2 (Australia))	1
	BA06236A	Main P.C.B. Ass'y (SR-2 (Other))	1
	BA06235A	Main P.C.B. Ass'y (SR-2E (Europe))	1
	BA06814A	Main P.C.B. Ass'y (SR-2E (Germany))	1
20	BA06283A	Speaker Terminal P.C.B. Ass'y (SR-2, SR-2A & SR-2E (Europe))	1
	BA06822A	Speaker Terminal P.C.B. Ass'y (SR-2E (Germany))	1
21	OB82759A	PD Connector (BLK) (SR-2 (Canada & Other) & SR-2A)	1
22	OB82758A	PD Connector (BRN) (SR-2 (Canada & Other) & SR-2A)	1
23	OB60388A	AC Outlet P.C.B. (SR-2 (Canada & Other) & SR-2A)	1
24	OJ05224A	Insulator (SR-2 (Canada))	1
25	HA05083A	Rear Panel Ass'y (SR-2 (Canada))	1
	HA05085A	Rear Panel Ass'y (SR-2 (Australia))	1
	HA05084A	Rear Panel Ass'y (SR-2 (Other))	1
	HA05087A	Rear Panel Ass'y (SR-2A)	1
	HA05086A	Rear Panel Ass'y (SR-2E (Europe & Germany))	1
26	OJ05202C	Side Chassis	1
27	BA06308A	Band Selector P.C.B. Ass'y (SR-2 (Other))	1
28	OB81738A	Ground Wire (SR-2E (Germany))	1
L01	OE00612A	M3x6 @ Pan (2A)	6
L02	OE00868A	BT3x8 @ Binding	18
L03	-	Nut M9	(1)
L04	-	Washer	(1)
L05	-	Nut M7	(4)
L06	-	Washer	(4)
L07	OE03217A	BT4x8 @ Binding	4
L08	OE03157A	BT3x8 @ Binding with Washer	5
L09	OE03071A	BT3x25 @ Binding	2
L10	OE00888A	BT3x12 @ Binding	1
L11	OE00921A	BT3x8 @ Binding (Black Chromate)	11

Schematic Ref. No.	Part No.	Description	Qty
L12	OE00945A	M2,6x4 @ Binding (Black Chromate) (SR-2 (Other))	4
L13	OE03321A	ST3x6 @ Binding (SR-2E (Germany))	1

4.3. Front Panel Ass'y (A02)

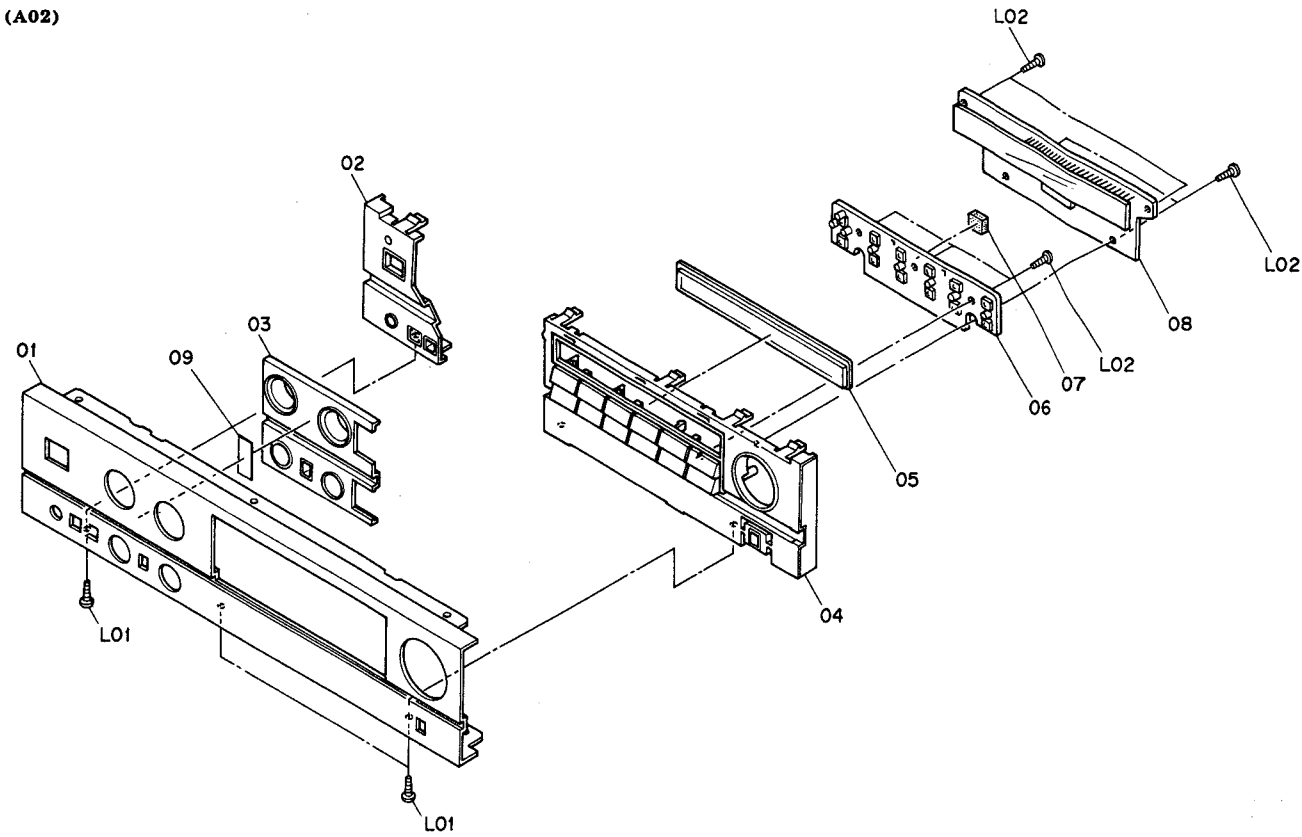


Fig. 4.3

4.4. Rear Panel Ass'y (B01)

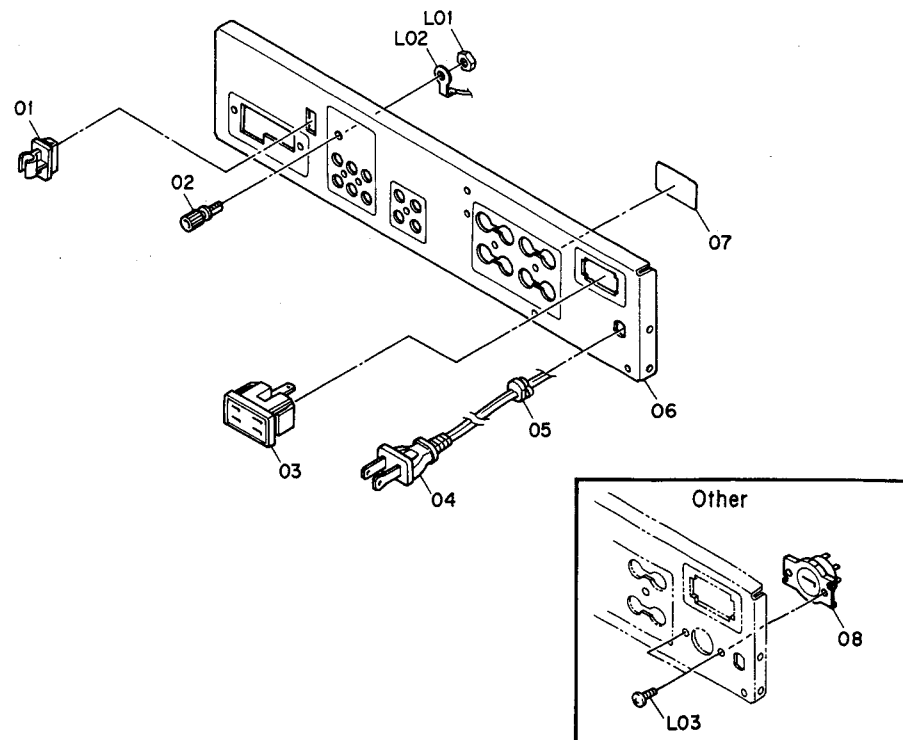


Fig. 4.4

Schematic Ref. No.	Part No.	Description	Q'ty	
A02	HA05094A	Front Panel Ass'y (SR-2 (Canada))	1	
	HA05095A	Front Panel Ass'y (SR-2 (Australia & Other))	1	
	HA05097A	Front Panel Ass'y (SR-2A)	1	
	HA05096A	Front Panel Ass'y (SR-2E (Europe & Germany))	1	
	Serial No.: D10401001 -			
	01	OH04921B	Front Panel (SR-2)	1
		OH04920B	Front Panel (SR-2A)	1
		OH04922A	Front Panel (SR-2E)	1
02	OH04935C	Front Escutcheon L	1	
03	OH05010A	Front Escutcheon C	1	
04	HA05102B	Front Escutcheon R Ass'y	1	
05	OH04938A	Display Lens	1	
06	BA06242A	Control Switch P.C.B. Ass'y	1	
07	OJ05262A	Indicator Cushion	1	
08	BA06240A	Display P.C.B. Ass'y (SR-2 (Canada) & SR-2A)	1	
	BA06241A	Display P.C.B. Ass'y (SR-2 (Australia & Other) & SR-2E (Europe & Germany))	1	
L01	0E00921A	BT 3x8 @ Binding (Black Chromate)	3	
L02	0E00868A	BT 3x8 @ Binding	7	
B01	HA05083A	Rear Panel Ass'y (SR-2 (Canada))	1	
	HA05085A	Rear Panel Ass'y (SR-2 (Australia))	1	
	HA05084A	Rear Panel Ass'y (SR-2 (Other))	1	
	HA05087A	Rear Panel Ass'y (SR-2A)	1	
	HA05086A	Rear Panel Ass'y (SR-2E (Europe & Germany))	1	
	Serial No.: D10401001 -			
	01	0B90071A	AM Loop Antenna Holder	1
	02	0B81604A	Ground Terminal T-5435	1
	03	0B81597A	AC Outlet 2P (SR-2 (Canada & Other) & SR-2A)	1
	04	0B90205A	Power Cord (SR-2 (Canada & Other) & SR-2A)	1
		0B05241A	Power Cord (SR-2 (Australia))	1
		0B08093U	Power Cord (SR-2E (Europe & Germany))	1
	05	0B08351A	Cord Bushing 4K-4 (SR-2 (Canada & Other) & SR-2A)	1
		0B08037U	Cord Bushing C (SR-2 (Australia & SR-2E (Europe & Germany))	1
	06	OH04927B	Rear Panel (SR-2 (Canada))	1
		OH04964B	Rear Panel (SR-2 (Australia))	1
		OH04929B	Rear Panel (SR-2 (Other))	1
		OH04926B	Rear Panel (SR-2A)	1
		OH04928A	Rear Panel (SR-2E (Europe & Germany))	1
	07	0M04380A	Barrier Caution Label (SR-2 (Canada) & SR-2A)	1
	08	0B70049A	Voltage Selector (SR-2 (Other))	1
	L01	-	Nut (Ground Terminal)	(1)
	L02	-	Earth Lug (Ground Terminal)	(1)
	L03	0E00985A	M3x6 @ Binding (Black Chromate) (SR-2 (Other))	2

5. MOUNTING DIAGRAMS AND PARTS LIST

- Notes: 1. Mounting diagram shows a dip side view of the printed circuit board.
 2. Diode is 1SS53, 1S1555, or 1SS176 unless otherwise specified.
 3. Following transistors are interchangeable with each other.
 a. 2SA733, 2SA608SP, 2SA1048, 2SA1175
 b. 2SC945, 2SC536SP, 2SC2458, 2SC2785
 4. Abbreviation for part name:
 TR — Transistor, SiD — Silicon Diode, ZD — Zener Diode, Varicap — Variable Capacitance Diode
 RK — Carbon Resistor, RM — Metal Film Resistor, RF — Fail Safe Type Resistor, RC — Cement Resistor
 CE — Electrolytic Capacitor, CM — Mylar Capacitor, CC — Ceramic Capacitor, CP — PP Capacitor,
 CMM — Metalized Mylar Capacitor, CSP — Polystyrene Capacitor, C — Mica Capacitor

5.1. Power Switch P.C.B. Ass'y

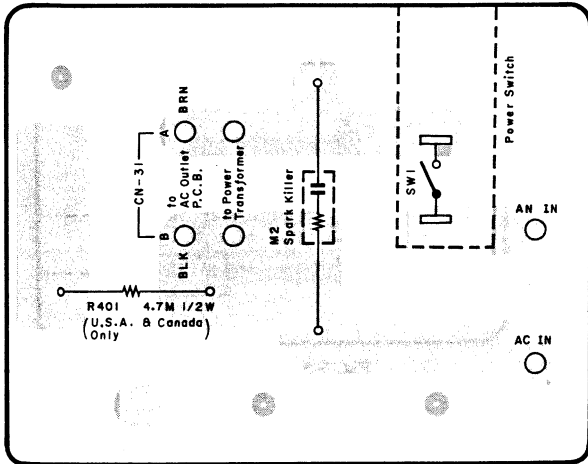


Fig. 5.1

5.2. AC Outlet P.C.B. Ass'y

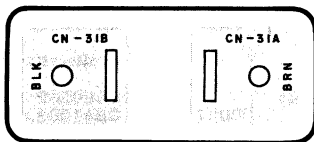


Fig. 5.2

5.3 Band Selector P.C.B. Ass'y

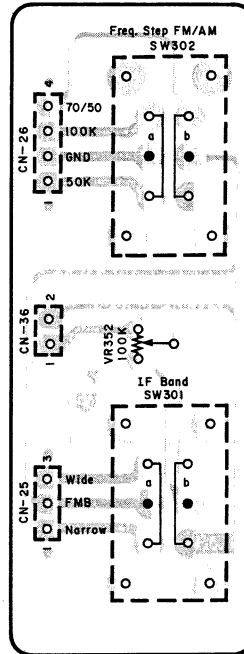


Fig. 5.3.1 2nd Version

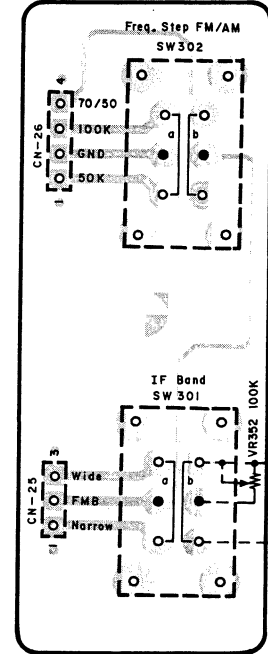


Fig. 5.3.2 1st Version

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
R401	BA06250A	Power Switch P.C.B. Ass'y (SR-2 (Canada) & SR-2A)		0E00752A 0E00147A	Eyelet 2x3 (2) Earth Lug B-6 (SR-2 (Canada) & SR-2A) (1)
	BA06252A	Power Switch P.C.B. Ass'y (SR-2 (Australia & Other))		BA06255A	AC Outlet P.C.B. Ass'y (SR-2 (Canada & Other) & SR-2A)
	BA06251A	Power Switch P.C.B. Ass'y (SR-2E (Europe))		0B60388A 0B82758A 0B82759A	AC Outlet P.C.B. PD Connector V450 PD Connector V450
	BA06821A	Power Switch P.C.B. Ass'y (SR-2E (Germany))	CN31A CN31B	BA06308A	Band Selector P.C.B. Ass'y (SR-2 (Other))
SW1 M2	0B60387B 0B20057A	Power Switch P.C.B. RK 4.7M 1/2W J (SR-2 (Canada) & SR-2A)		0B60378B 0B32099A 0B70039A 0B82804A 0B82805A 0B82905A	Band Selector P.C.B. Semi VR 100K Slide Switch 22S 3P Connector 160 4P Connector 200 2P Connector S200
	0B71006A 0B08342A	Power Switch Spark Killer (SR-2 (Canada) & SR-2A)	VR352 SW301,302		
	0B08240A	Power Switch Spark Killer (SR-2 (Australia & Other))	CN25 CN26 CN36		
	0B90264A	Power Switch Spark Killer XE-333 (SR-2E (Europe & Germany))			

5.4. Volume P.C.B. Ass'y

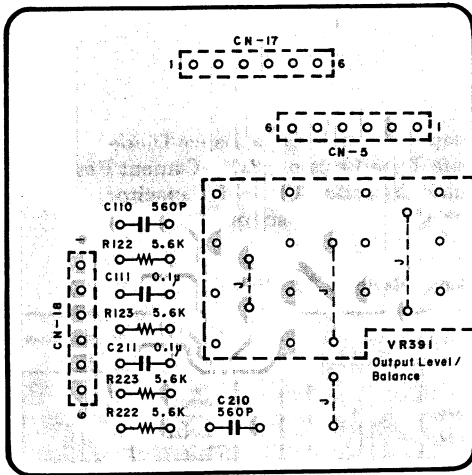


Fig. 5.4

5.5. Loudness Switch P.C.B. Ass'y

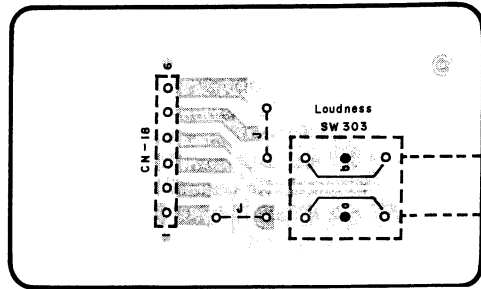


Fig. 5.5.1 2nd Version

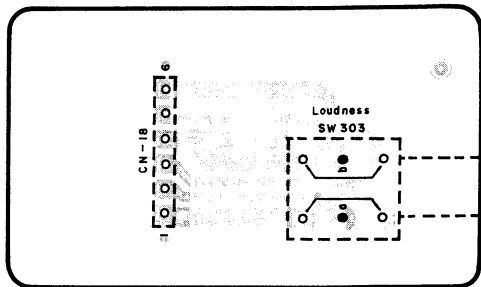


Fig. 5.5.2 1st Version

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	
VR391 R122,123 222,223 C110,210 C111,211 CN5,17 18	BA06243A	Volume P.C.B. Ass'y	Q105,106 205,206 Q107,207 411 Q108,208 410 ZD102,202 R124,132 224,232 R125,225 R126,226 R127,227 R128,228 R129,229 R130,230 R131,231 R162,262 R410 R420 R421 C112,212	BA06244A	Tone Control P.C.B. Ass'y (SR-2, SR-2A & SR-2E (Europe))	C113,119 213,219 C114,214 C115,215 C116,216 SW304	OB09816A	CE 10μ 16V (LN)	
	OB60383B	Volume P.C.B.		BA06817A	Tone Control P.C.B. Ass'y (SR-2E (Germany))		OB09242A	C 47P 50V J	
	OB30061A	VR RK1612420		OB10193A	FET 2SK184 (GR)		OB09302A	C 100P 50V J	
	OB09695A	RK 5.6K 1/6W J		— Line Amp. —	OB05583A		CM 0.033μ 50V J	OB70074A	Push Switch 1 Key
	OB41219A	CP 560P 100V J		OB10050A	TR 2SA970 (BL)		— Miscellaneous —		
	OB01780A	CM 0.1μ 50V J		OB06142A	TR 2SC2240 (BL)		OB60382B	Tone Control P.C.B.	
	OB81013A	Dip Mate 6P WH6D-1		OB12150A	ZD 5.6V		OB41803A	C 470P 50V J (SR-2E (Germany))	
				OB12174A	ZD 12V		OB82793A	3P Connector 500	
				OB22229A	RM 1.00K 1/6W F		OB81013A	Dip Mate 6P WH6D-1	
				OB22315A	RM 5.62K 1/6W F		OB81010A	Dip Mate 3P WH3D-1	
SW303 CN18 CN18	BA06290A	Loudness Switch P.C.B. Ass'y	OB22371A	RM 18.2K 1/6W F	OB82040B	PD Connector V050			
	OB60390B	Loudness Switch P.C.B.	OB22265A	RM 2.20K 1/6W F	OB82041B	PD Connector V050			
	OB70074A	Push Switch 1 Key	OB22347A	RM 11.0K 1/6W F	OB82734B	Ribbon Cable 6P 500mm (1)			
	OB81013A	Dip Mate 6P WH6D-1	OB09673A	RK 680 1/6W J	OB82737B	Ribbon Cable 6P 120mm (1)			
	OB82736A	Ribbon Cable 6P 110mm	OB09679A	RK 1.2K 1/6W J	OB82738B	Ribbon Cable 3P 140mm (1)			
			OB09695A	RK 5.6K 1/6W J					
			OB22515A	RM 332K 1/6W F					
			OB09677A	RK 1K 1/6W J					
			OB09665A	RK 330 1/6W J					
			OB09685A	RK 2.2K 1/6W J					
R742,842 CN23A CN23B CN33	BA06253A	Speaker Switch P.C.B. Ass'y	OB41703A	CSP 100P 50V J (SR-2, SR-2A & SR-2E (Europe)) CSP 330P 50V J (SR-2E (Germany))					
	OB60385C	Speaker Switch P.C.B.	OB41704A	— Tone Amp. —					
	OB24104A	RF 330 1W J	OB11070A	IC NJM072S					
	OB82744B	PD Connector V600	OB30062A	VR 100K (B)x2					
	OB82745B	PD Connector V720	OB30063A	VR 500K (B)x2					
	OB82760A	PD Connector V350	OB09725A	RK 100K 1/6W J					
	OB70075A	Push Switch 2 Key (1)	OB09715A	RK 39K 1/6W J					
	OB81478A	Headphone Jack (1)	OB09723A	RK 82K 1/6W J					
			IC393						
			VR392						
		VR393							
		R134,234							
		R135-138							
		235-238							
		R139,239							

5.6. Speaker Switch P.C.B. Ass'y

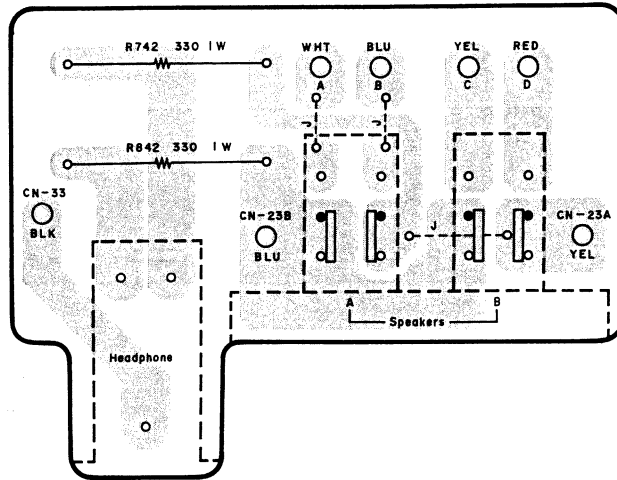


Fig. 5.6

5.7. Tone Control P.C.B. Ass'y

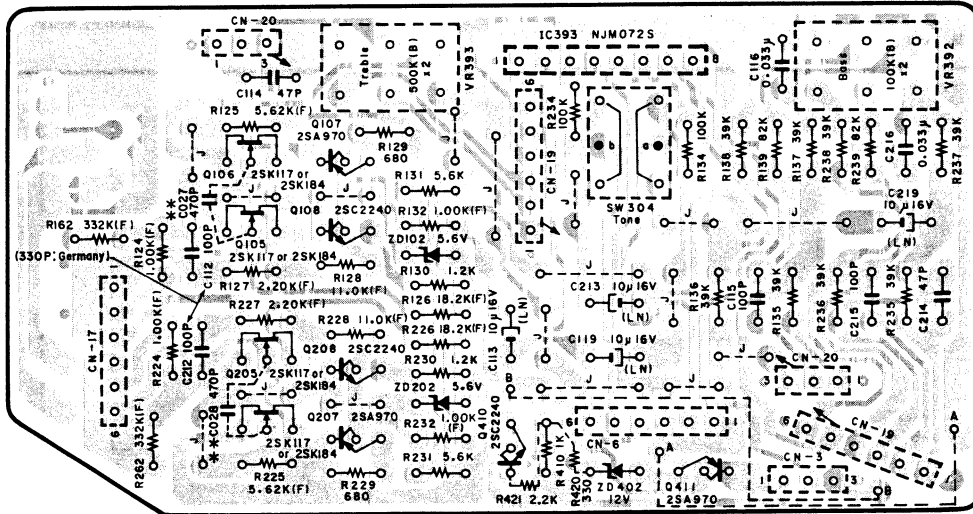


Fig. 5.7.1 2nd Version

** : SR-2E (Germany) only.

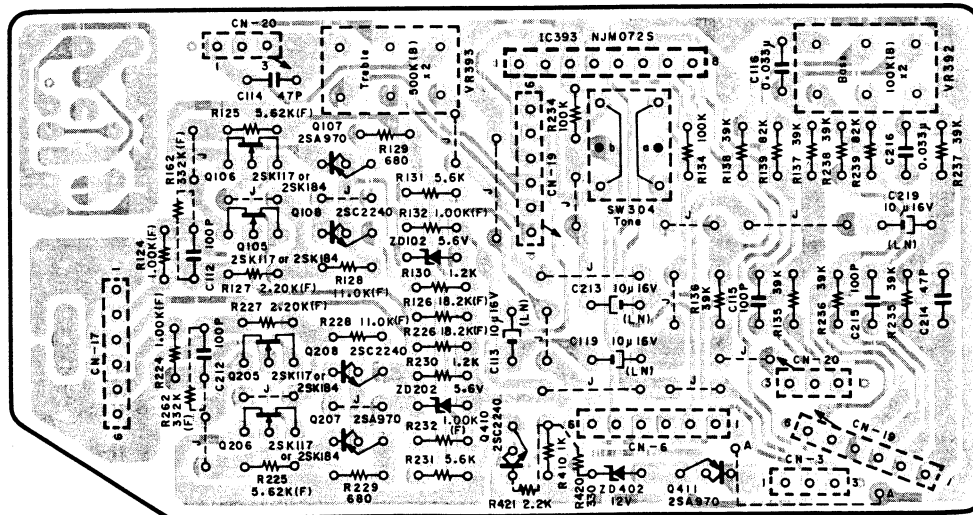


Fig. 5.7.2 1st Version (For SR-2 & SR-2A only)

5.8. Speaker Terminal P.C.B. Ass'y

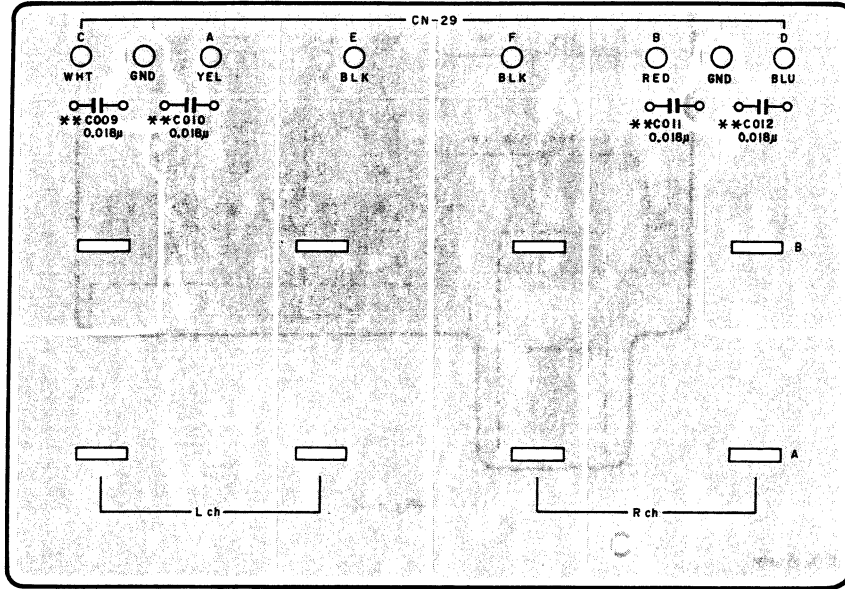


Fig. 5.8

** : SR-2E (Germany) only.

5.9. Power Supply P.C.B. Ass'y

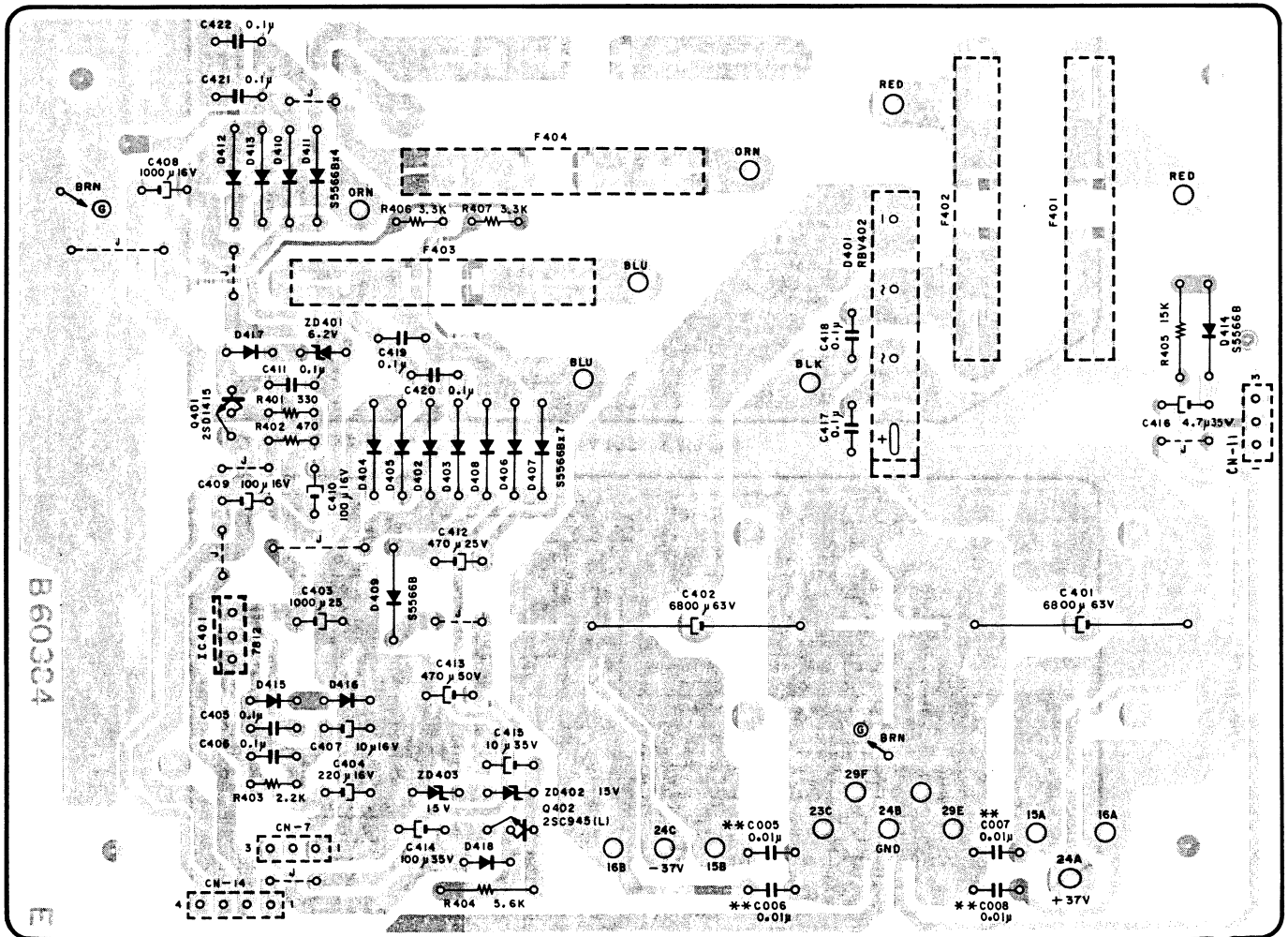


Fig. 5.9

** : SR-2E (Germany) only.

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
C009,010 011,012 CN29A CN29B CN29C CN29D CN29E,29F	BA06283A	Speaker Terminal P.C.B. Ass'y (SR-2, SR-2A & SR-2E (Europe))	CN15A CN15B CN16A CN16B CN21 CN23C CN24A CN24B CN24C	OB82740B	PD Connector V400
	BA06822A	Speaker Terminal P.C.B. Ass'y (SR-2E (Germany))		OB82741B	PD Connector V400
	OB60386C	Speaker Terminal P.C.B.		OB82742B	PD Connector V520
	OB41289A	CMM 0.018 μ 50V J (SR-2E (Germany))		OB82743B	PD Connector V520
	OB82753A	PD Connector V420		OB82803A	2P Connector
	OB82754A	PD Connector V420		OB82746B	PD Connector V440
	OB82755A	PD Connector V420		OB82747B	PD Connector V300
	OB82756A	PD Connector V420		OB82748B	PD Connector V300
	OB82757A	PD Connector V250		OB82749B	PD Connector V300
	OB81595B	Speaker Terminal 8P (1)		OB08349B	Fuse Clip (SR-2 (Australia) & SR-2E (Europe & Germany)) (8)
	OB90019A	Insu-Lock SKB80 (4)		OM04191A	Fuse Label T1A 250V (SR-2 (Australia) & SR-2E (Europe & Germany)) (1)
	OB83056B	Ground Wire (SR-2E (Germany)) (1)		OM04462A	Fuse Label T2.5A 250Vx2 (SR-2 (Australia) & SR-2E (Europe & Germany)) (1)
IC401 Q401 Q402 ZD401 ZD402,403 D401 D402-414 D415,416 417,418 R401 R402 R403 R404 R405 R406,407 C005,006 007,008 C401,402 C403 C404 C405,406 411,417 418-422 C407 C408 C409,410 C412 C413 C414 C415 C416 F401,402 F401,402 F403,404 F403 F404 CN7,11 CN14	BA06246A	Power Supply P.C.B. Ass'y (SR-2 (Canada & Other) & SR-2A)	OM04194A OE00612A OJ05197A OE03355A OB90019A OB90206A OJ05225A	OM04194A	Fuse Label T315mA 250V (SR-2 (Australia) & SR-2E (Europe & Germany)) (1)
	BA06247A	Power Supply P.C.B. Ass'y (SR-2 (Australia) & SR-2E (Europe))		OE00612A	M3x6 Φ Pan (2A) (2)
	BA06820A	Power Supply P.C.B. Ass'y (SR-2E (Germany))		OJ05197A	Heat Sink (1)
	OB60384E	Power Supply P.C.B.		OE03355A	Earth Lug (1)
	OB11252A	IC AN78M12		OB90019A	Insu-Lock SKB80 (6)
	OB10012A	TR 2SD1415		OB90206A	Insu-Lock SKB4M (1)
	OB01872A	TR 2SC945L (P,Q)		OJ05225A	Capacitor Cushion (1)
	OB12153A	ZD 6.2V			
	OB12181A	ZD RD6.2JS-T1B2 15V			
	OB12387A	SiD RD15JS-T1B2 RBV-402			
	OB12362A	SiD S5566B (13)			
	OB06398A	SiD 1SS176			
	OB09665A	RK 330 1/6W J			
	OB09669A	RK 470 1/6W J			
	OB09685A	RK 2.2K 1/6W J			
	OB01887A	RK 5.6K 1/4W J			
	OB01683A	RK 15K 1/4W J			
	OB09689A	RK 3.3K 1/6W J			
	OB41286A	CMM 0.01 μ 50V J (SR-2E (Germany))			
	OB40409A	CE 6800 μ 63V			
	OB40095A	CE 1000 μ 25V			
	OB40079A	CE 220 μ 16V			
	OB41298A	CMM 0.1 μ 50V J (9)			
	OB01412A	CE 10 μ 16V			
	OB40082A	CE 1000 μ 16V			
	OB40078A	CE 100 μ 16V			
	OB40094A	CE 470 μ 25V			
	OB40123A	CE 470 μ 50V			
	OB40104A	CE 100 μ 35V			
	OB40100A	CE 10 μ 35V			
	OB40099A	CE 4.7 μ 35V			
	OB08574A	Fuse 4A (SR-2 (Canada & Other) & SR-2A)			
	OB08625A	Fuse T2.5A 250V (SR-2 (Australia) & SR-2E (Europe & Germany))			
	OB08374A	Fuse 1A (SR-2 (Canada & Other) & SR-2A)			
	OB08263U	Fuse T315mA 250V (SR-2 (Australia) & SR-2E (Europe & Germany))			
	OB08347U	Fuse T1A 250V (SR-2 (Australia) & SR-2E (Europe & Germany))			
	OB81635A	3P-T Post			
	OB81636A	4P-T Post			

5.10. Monitor Switch P.C.B. Ass'y

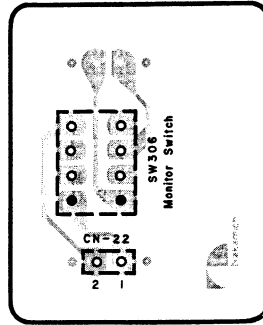


Fig. 5.10

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
SW306 CN22	BA06256A	Monitor Switch P.C.B. Ass'y		BA06242A	Control Switch P.C.B. Ass'y
	OB60379A	Monitor Switch P.C.B.		OB60381D	Control Switch P.C.B.
	OB70079A	Rotary Switch 2-2	Q901,902	OB10058A	TR DTA114ES (6)
	OB81002A	Dip Mate 2P	905-908	OB10068A	TR DTC114ES (6)
	OB82739A	Ribbon Cable 2P(1)	Q903,904	OB12395A	LED SLR-34PC3F (Green) (8)
			LED910-917	OB06398A	SID 1SS176 (10)
			D901-905		
			908,909		
			917-919		
			D906,907	OB12391A	SID MC911
			R901,909	OB09657A	RK 150 1/6W J
			R902,903	OB09689A	RK 3.3K 1/6W J (6)
		905-908	OB09661A	RK 220 1/6W J	
		R904	OB70062A	Tact Switch KHH10910 (12)	
		SW901-912	OB82800A	12P Connector 170mm	
		CN12	OB82801A	5P Connector 170mm	
		CN13	OJ05209B	LED Reflector D100 (8)	

5.11. Control Switch P.C.B. Ass'y

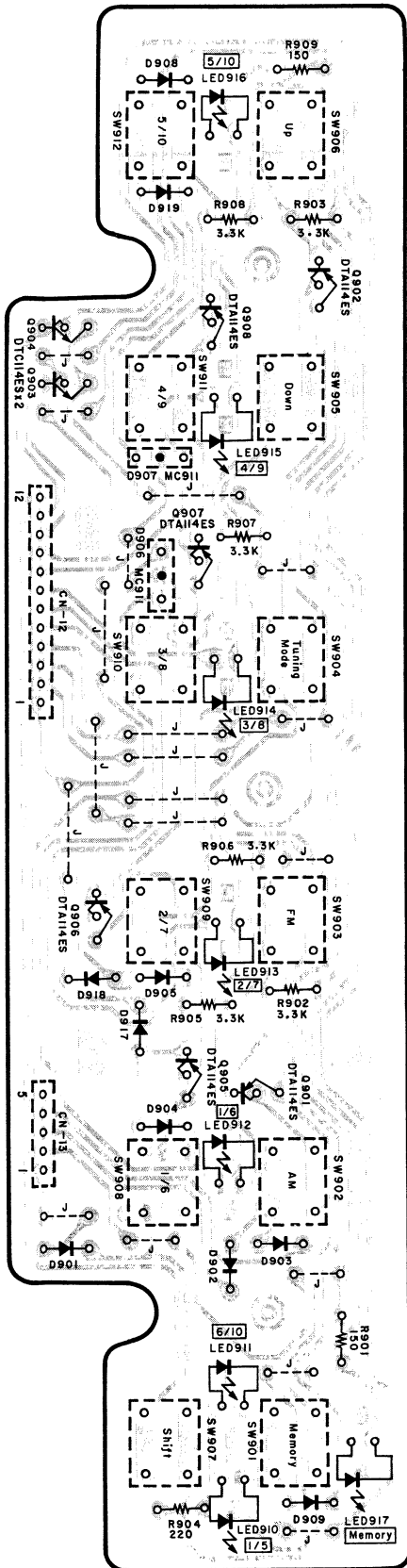


Fig. 5.11.1 2nd Version

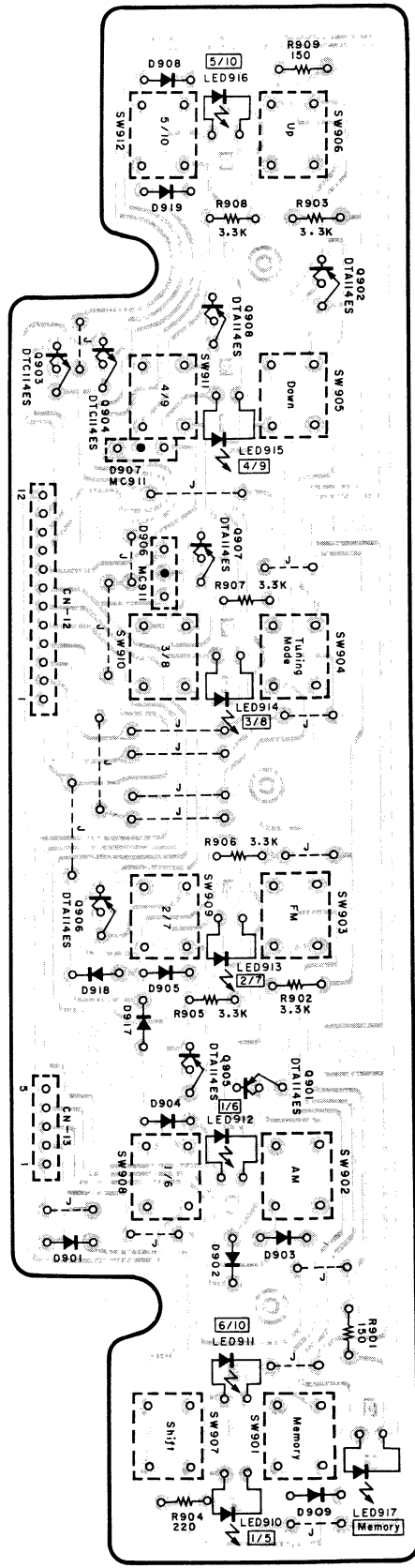


Fig. 5.11.2 1st Version

5.12. Display P.C.B. Ass'y
 5.12.1. For SR-2 (Canada) & SR-2A
 (1) 2nd Version

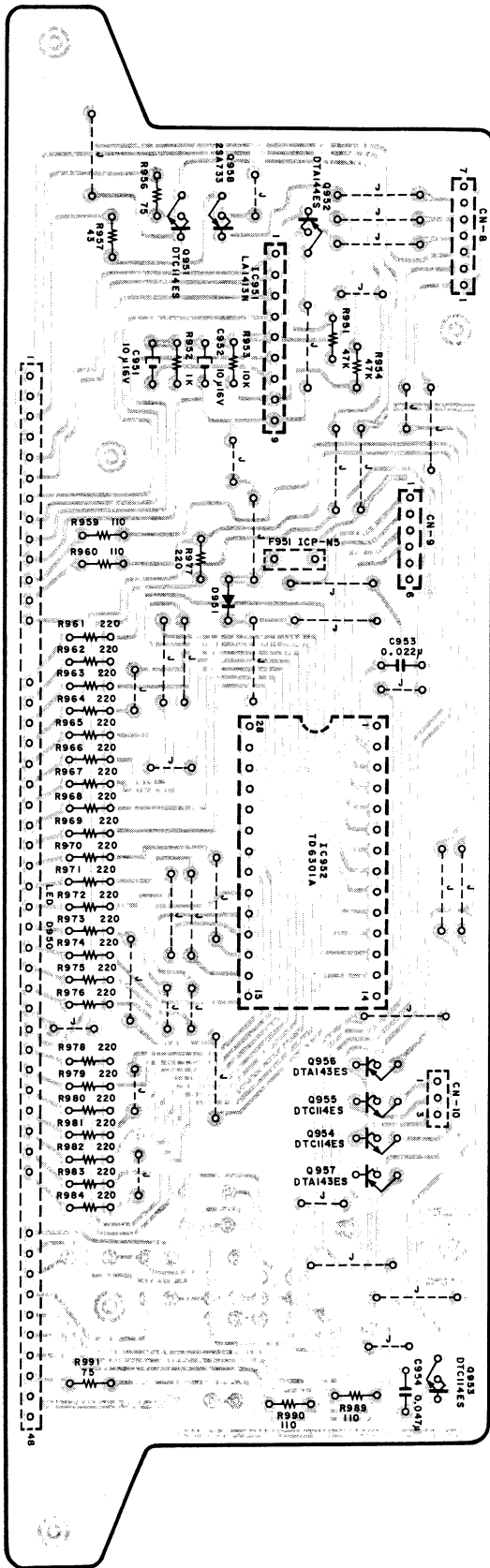


Fig. 5.12.1.1 2nd Version

(2) 1st Version

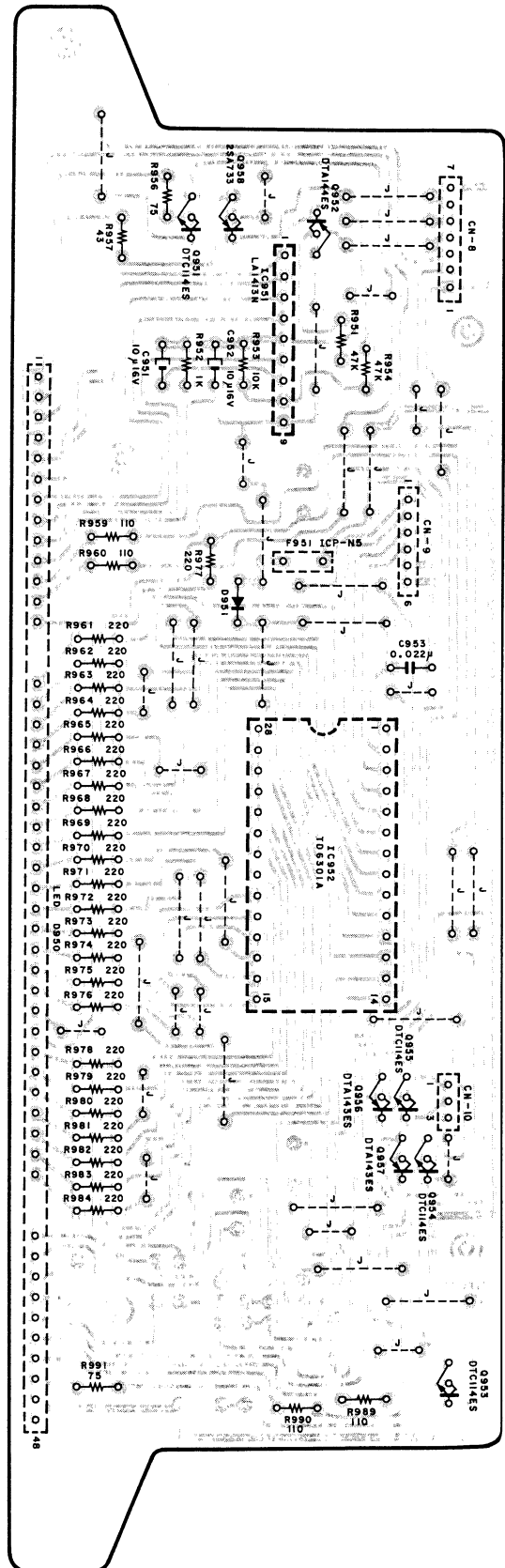


Fig. 5.12.1.2 1st Version

5.12.2. For SR-2 (Australia & Other) & SR-2E (Europe & Germany)
 (1) 2nd Version

Schematic Ref. No.	Part No.	Description
	BA06240A	Display P.C.B. Ass'y (SR-2 (Canada) & SR-2A) 2nd Version
IC951	OB60380D	Display P.C.B.
IC952	OB11244A	IC LA1413N
Q951,953	OB11160A	IC TD6301A
954,955	OB10068A	TR DTC114ES
Q952	OB10053A	TR DTA144ES
Q956,957	OB10060A	TR DTA143ES
Q958	OB06013A	TR 2SA733 (P,Q)
D950	OB12385A	Display Unit
D951	OB06398A	SiD 1SS176
R951,954	OB09717A	RK 47K 1/6W J
R952	OB09677A	RK 1K 1/6W J
R953	OB09701A	RK 10K 1/6W J
R956,991	OB09650A	RK 75 1/6W J
R957	OB09644A	RK 43 1/6W J
R959,960	OB09654A	RK 110 1/6W J
989,990		
R961-984	OB09661A	RK 220 1/6W J (24)
C951,952	OB40009A	CE 10μ 16V
C953	OB41554A	CC 0.022μ 25V Z
C954	OB41555A	CC 0.047μ 25V Z
F951	OB11248A	IC Protector ICP-N5
CN8	OB82796A	7P Connector 280mm
CN9	OB82797A	6P Connector 280mm
CN10	OB82798A	3P Connector 260mm
	OE00846A	BT3x8 @Pan (2)
	BA06240A	Display P.C.B. Ass'y (SR-2 (Canada) & SR-2A) 1st Version
IC951	OB60380A	Display P.C.B.
IC952	OB11244A	IC LA1413N
Q951,953	OB11160A	IC TD6301A
954,955	OB10068A	TR DTC114ES
Q952	OB10053A	TR DTA144ES
Q956,957	OB10060A	TR DTA143ES
Q958	OB06013A	TR 2SA733 (P,Q)
D950	OB12385A	Display Unit
D951	OB06398A	SiD 1SS176
R951,954	OB09717A	RK 47K 1/6W J
R952	OB09677A	RK 1K 1/6W J
R953	OB09701A	RK 10K 1/6W J
R956,991	OB09650A	RK 75 1/6W J
R957	OB09644A	RK 43 1/6W J
R959,960	OB09654A	RK 110 1/6W J
989,990		
R961-984	OB09661A	RK 220 1/6W J (24)
C951,952	OB40009A	CE 10μ 16V
C953	OB41554A	CC 0.022μ 25V Z
F951	OB11248A	IC Protector ICP-N5
CN8	OB82796A	7P Connector 280mm
CN9	OB82797A	6P Connector 280mm
CN10	OB82798A	3P Connector 260mm
	OE00846A	BT3x8 @Pan (2)

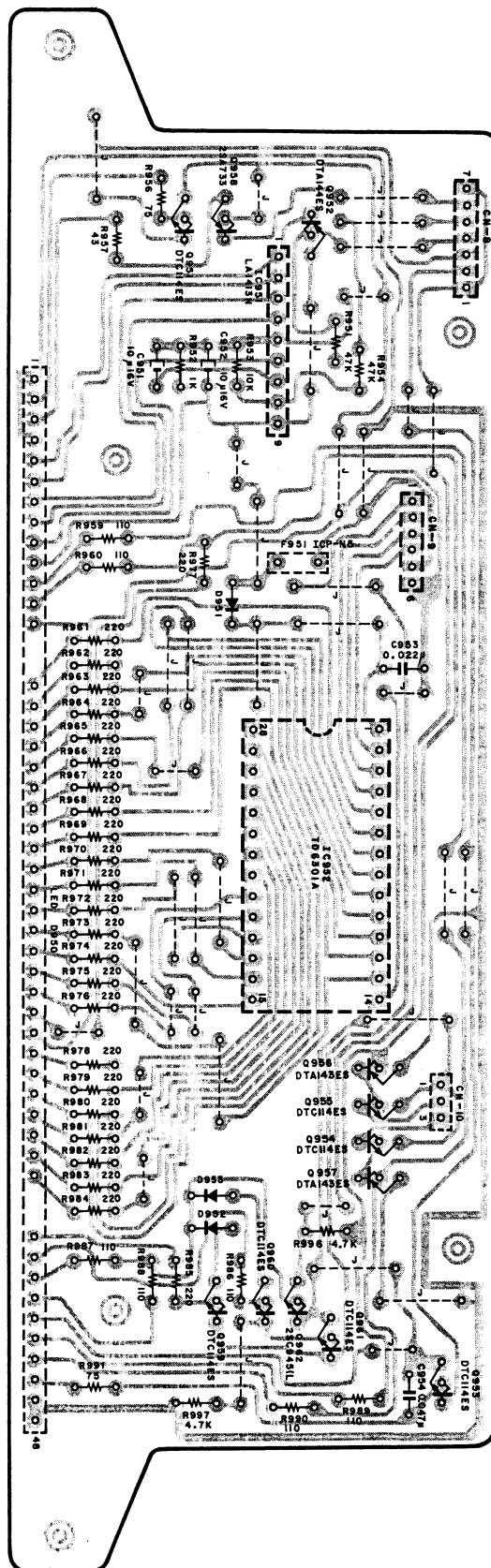


Fig. 5.12.2.1 2nd Version

(2) 1st Version (For SR-2 (Australia & Other only))

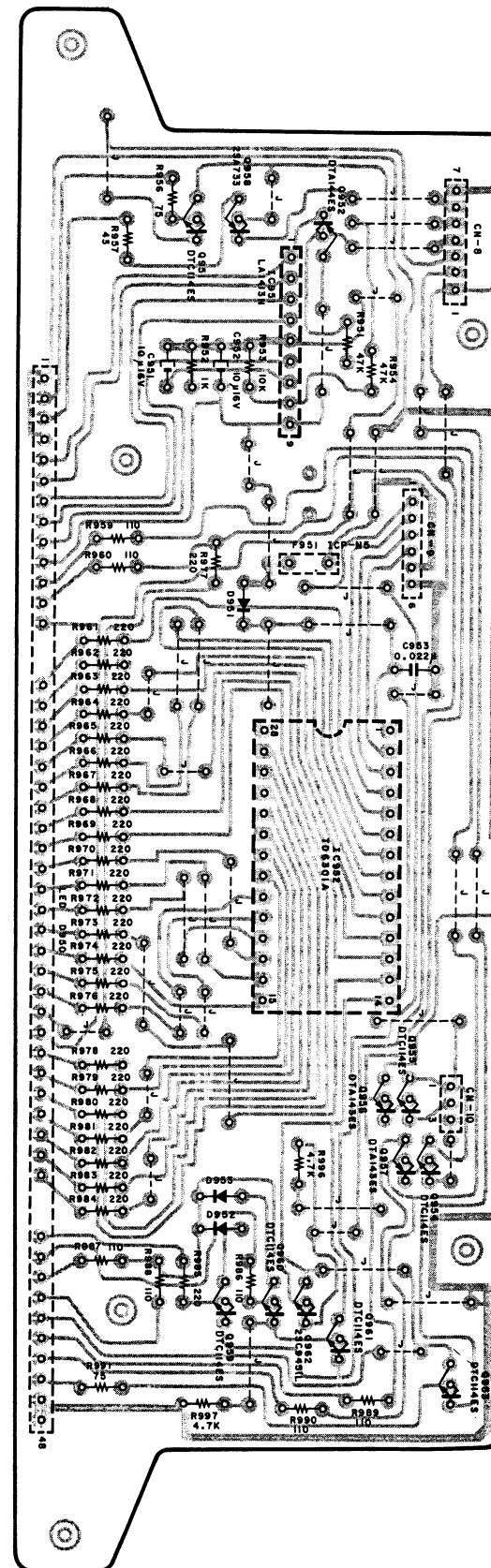


Fig. 5.12.2.2 1st Version

Schematic Ref. No.	Part No.	Description
	BA06241A	Display P.C.B. Ass'y (SR-2 (Australia & Other); 2nd Version) (SR-2E (Europe & Germany))
IC951	OB60380D	Display P.C.B.
IC952	OB11244A	IC LB1413N
Q951,953	OB11160A	IC TD6301A
954,955	OB10068A	TR DTC114ES (7)
959-961		
Q952	OB10053A	TR DTA144ES
Q956,957	OB10060A	TR DTA143ES
Q958	OB06013A	TR 2SA733 (P,Q)
Q962	OB01872A	TR 2SC945L (P,Q)
D950	OB12385A	Display Unit
D951,952	OB06398A	SiD 1SS176
953		
R951,954	OB09717A	RK 47K 1/6W J
R952	OB09677A	RK 1K 1/6W J
R953	OB09701A	RK 10K 1/6W J
R956,991	OB09650A	RK 75 1/6W J
R957	OB09644A	RK 43 1/6W J
R959,960	OB09654A	RK 110 1/6W J
986-990		
R961-985	OB09661A	RK 220 1/6W J (25)
R996,997	OB09693A	RK 4.7K 1/6W J
C951,952	OB40009A	CE 10μ 16V
C953	OB41554A	CC 0.022μ 25V Z
C954	OB41555A	CC 0.047μ 25V Z
F951	OB11248A	IC Protector ICP-N5
CN8	OB82796A	7P Connector 280mm
CN9	OB82797A	6P Connector 260mm
CN10	OB82798A	3P Connector 260mm
	OE00846A	BT3x8 @Pan (2)
	BA06241A	Display P.C.B. Ass'y (SR-2 (Australia & Other)); 1st Version
IC951	OB60380A	Display P.C.B.
IC952	OB11244A	IC LB1413N
Q951,953	OB11160A	IC TD6301A
954,955	OB10068A	TR DTC114ES (7)
959-961		
Q952	OB10053A	TR DTA144ES
Q956,957	OB10060A	TR DTA143ES
Q958	OB06013A	TR 2SA733 (P,Q)
Q962	OB01872A	TR 2SC945L (P,Q)
D950	OB12385A	Display Unit
D951,952	OB06398A	SiD 1SS176
953		
R951,954	OB09717A	RK 47K 1/6W J
R952	OB09677A	RK 1K 1/6W J
R953	OB09701A	RK 10K 1/6W J
R956,991	OB09650A	RK 75 1/6W J
R957	OB09644A	RK 43 1/6W J
R959,960	OB09654A	RK 110 1/6W J
986-990		
R961-985	OB09661A	RK 220 1/6W J (25)
R996,997	OB09693A	RK 4.7K 1/6W J
C951,952	OB40009A	CE 10μ 16V
C953	OB41554A	CC 0.022μ 25V Z
F951	OB11248A	IC Protector ICP-N5
CN8	OB82796A	7P Connector 280mm
CN9	OB82797A	6P Connector 260mm
CN10	OB82798A	3P Connector 260mm
	OE00846A	BT3x8 @Pan (2)

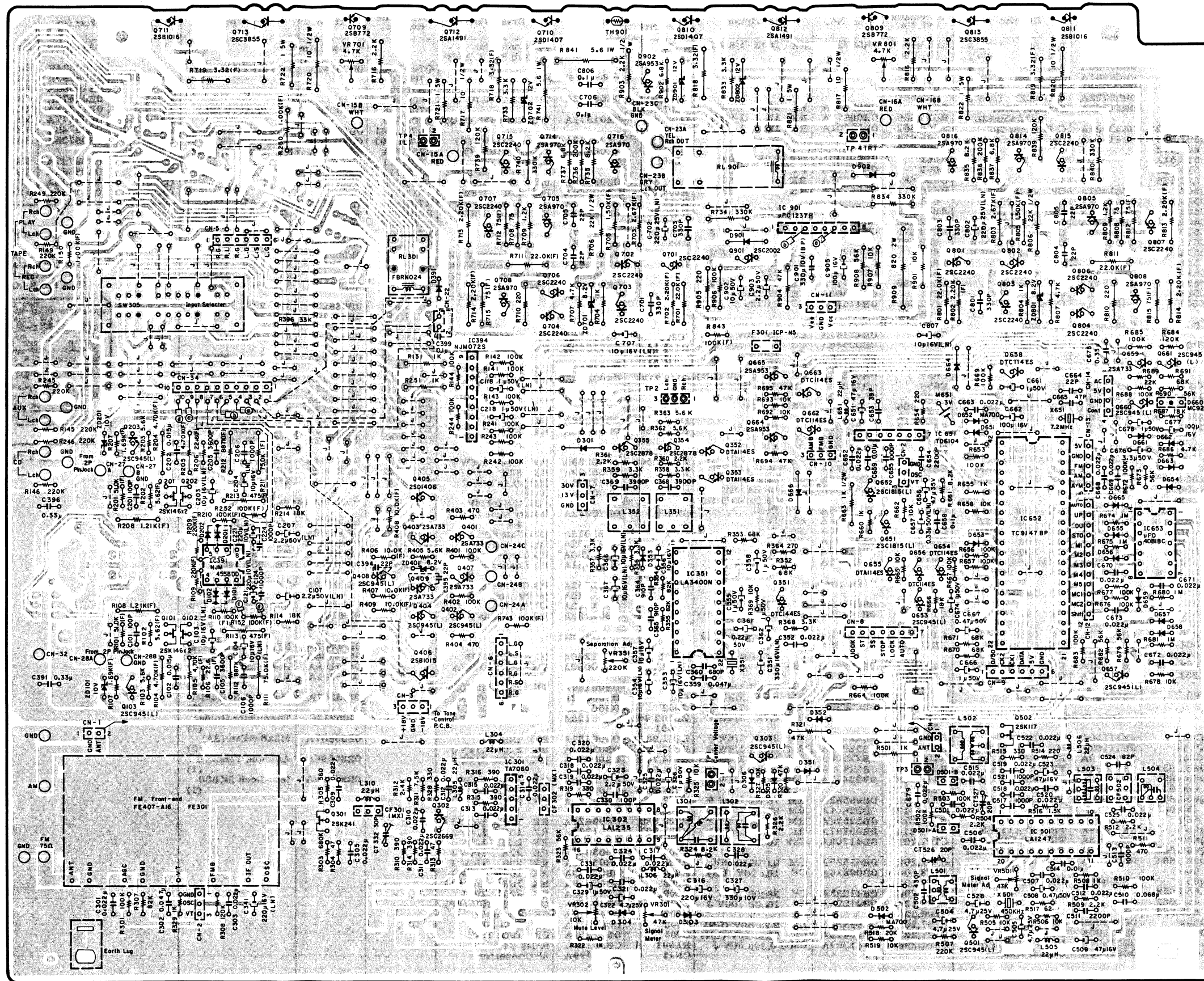
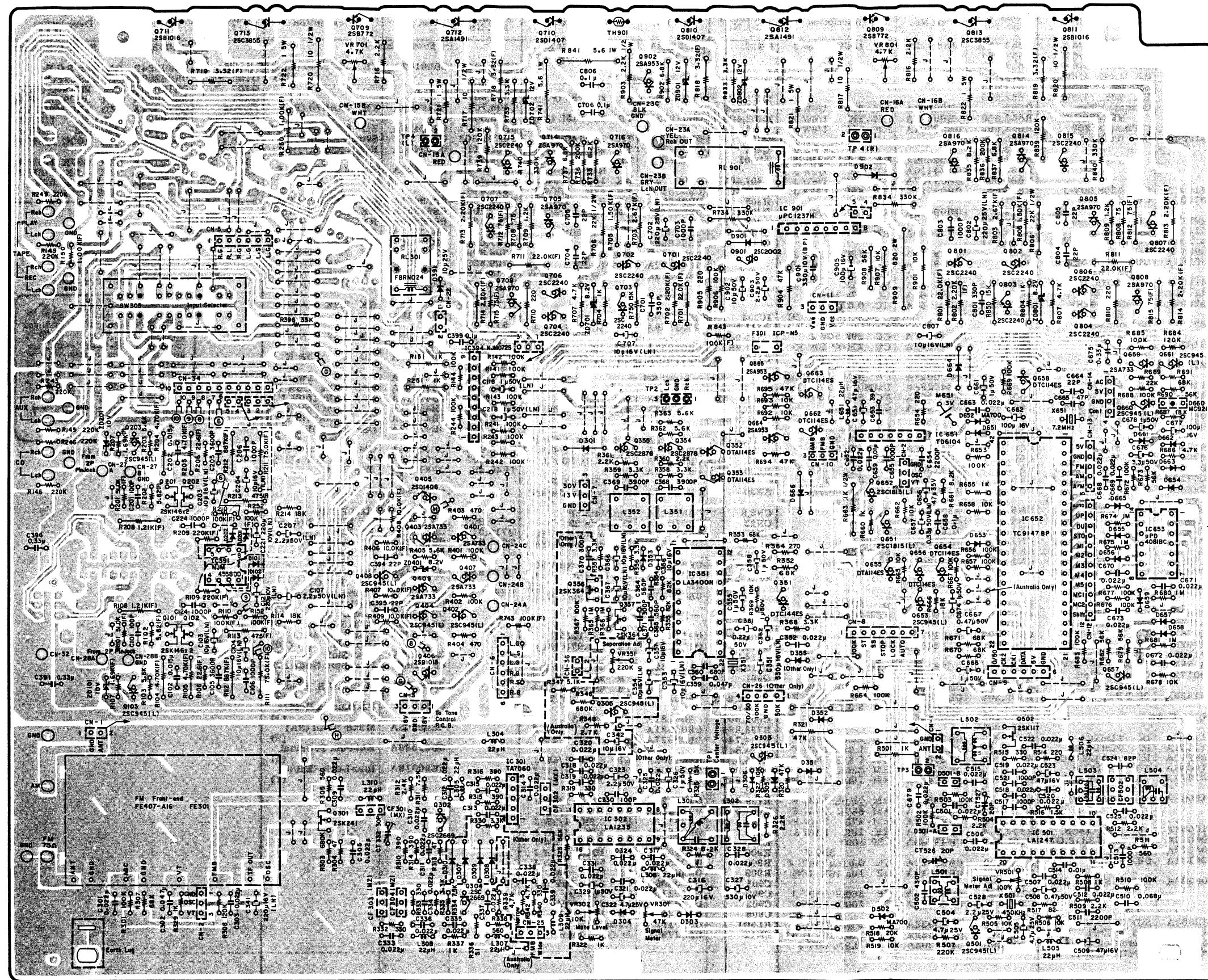


Fig. 5.13.1.2 1st Version (For SR-2 (Canada) & SR-2A)

5.13.2. For SR-2 (Other & Australia)
(1) 2nd Version



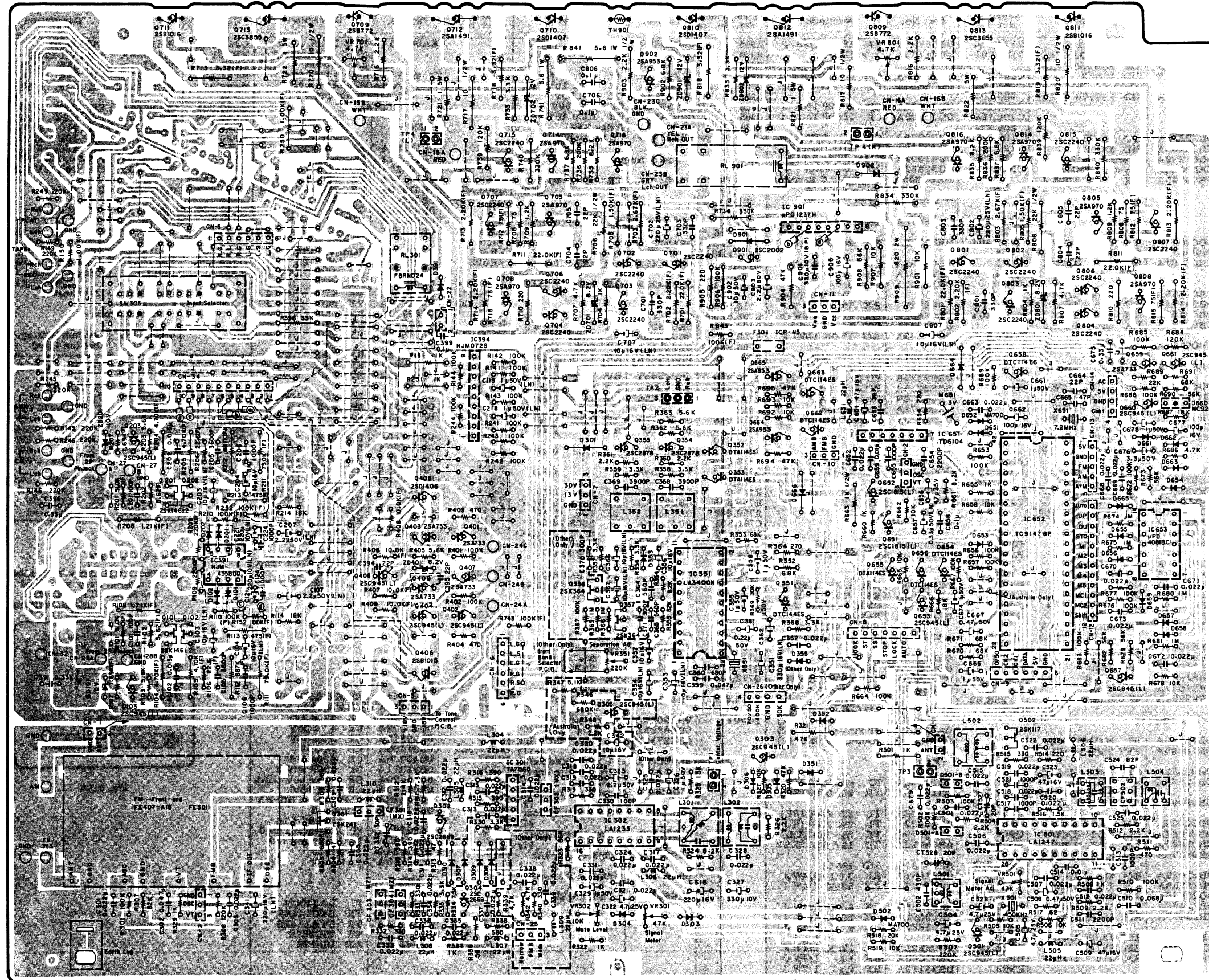
Schematic Ref. No.	Part No.	Description
	BA06236A	Main P.C.B. Ass'y (SR-2 (Other)) 2nd Version
	- FM -	
IC301	OB11156A	IC TA7060AP
IC302	OB11157A	IC LA1235
Q301	OB10127A	FET 2SK241 (GR)
Q302,304	OB10174A	TR 2SC2669 (O,Y)
Q303	OB01872A	TR 2SC945L (P,O)
D303-306	OB06398A	SID 1SS176 (4)
D307-310	OB06181A	SID 1SS53 (4)
L301	OB51240A	FM Det. Coil A
L302	OB51241A	FM Det. Coil B
L304-310	OB51239A	Micro Coil 22μH (7)
VR301	OB32084A	Semi VR 47K
VR302	OB32080A	Semi VR 10K
R301	OB09725A	RK 100K 1/6W J
R303	OB09745A	RK 680K 1/6W J
R304,313	OB09645A	RK 47 1/6W J
R305,338	OB09671A	RK 560 1/6W J
R307	OB09721A	RK 68K 1/6W J
R308	OB09667A	RK 120K 1/6W J
R310,314	OB09667A	RK 390 1/6W J
R315,316		
R311,334	OB09698A	RK 7.5K 1/6W J
R312	OB09686A	RK 2.4K 1/6W J
R319,332	OB09665A	RK 330 1/6W J
333,340		
R320	OB09717A	RK 47K 1/6W J
R321	OB05641A	RK 47K 1/4W J
R322,329	OB09677A	RK 1K 1/6W J
337		
R323	OB09719A	RK 56K 1/6W J
R324	OB09699A	RK 8.2K 1/6W J
R325	OB09705A	RK 15K 1/6W J
R326	OB09685A	RK 2.2K 1/6W J
R327	OB09701A	RK 10K 1/6W J
R330,335	OB09689A	RK 3.3K 1/6W J
R336	OB09646A	RK 51 1/6W J
R339,342	OB09693A	RK 4.7K 1/6W J
CF301,302	OB41818A	Ceramic Filter SFE10.7MX2K-A
CF303,304	OB41746A	Ceramic Filter SFE10.7MS3GH15A
CT332	OB41614A	C Trimmer 30P
C301,303	OB41554A	CC 0.022μ 25V Z (24)
305,309		
310,311		
313,314		
315,318		
319,320		
321,324		
325,328		
331		
333-339		
C302	OB41294A	CMM 0.047μ 50V J
C312,317	OB41290A	CMM 0.022μ 50V J
C316	OB40079A	CE 220μ 16V
C322	OB01402A	CE 4.7μ 25V
C323		CE 2.2μ 50V
C326,329	OB01405A	CE 1μ 50V
C327	OB40066A	CE 330μ 10V
C330	OB41071A	CC 100P 50V J
C341	OB40420A	CE 220μ 16V (LN)
F301	OB11248A	IC Protector ICP-N5
FE301	OB91016A	Front-end FE407-A16
CN2	OB82792A	3P Connector W240
CN7	OB82795A	3P Connector 370
CN25	OB81635A	3P-T Post
TP1	OB81634A	2P-T Post
	OE03355A	Earth Lug (1)
	- AM -	
IC501	OB11243A	IC LA1247
Q501	OB01872A	TR 2SC945L (P,Q)
Q502	OB06129A	FET 2SK117 (Y)
D501	OB12386A	Varicap KV1226Y
D502	OB12363A	Sid MA700
L501	OB51235A	Osc. Coil
L502	OB51236A	Ant. Coil
L503	OB51234A	IFT 2 AM
L504	OB51233A	IFT 1 AM
L505,506	OB51239A	Micro Coil 22μH
VR501	OB32086A	Semi VR 100K
R501	OB01857A	RK 1K 1/4W J

Note: For Australia, D309, D310, and pins 1 and 2 of CN-25 are shorted with jumper wires.

Fig. 5.13.2.1 2nd Version (For SR-2 (Other & Australia))

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
R502,503 510	OB09725A	RK 100K 1/6W J	Q655	OB10058A	TR DTA114ES	R114,214	OB09707A	RK 18K 1/6W J	R905	OB01933A	RK 220 1/4W J	BA06309A	Main P.C.B. Ass'y (SR-2 (Australia)) 2nd Version	L351,352	OB51237A	MPX Filter	
R504,509 512	OB09685A	RK 2.2K 1/6W J	Q659	OB06013A	TR 2SA733 (P,Q)	C101,201	OB41703A	CSP 100P 50V J	R906	OB01889A	RK 100K 1/4W J	Note: BA06309A is the same as BA06236A except for the following sections.	VR351	OB32066A	Semi VR 220K		
R505,506 519	OB09701A	RK 10K 1/6W J	Q664,665	OB06372A	TR 2SA953 (K,L)	C102,202	OB41585A	CM 0.015μ 100V J	R908	OB05508A	RK 56K 1/4W J		R352,353	OB09721A	RK 68K 1/6W J		
R507	OB09733A	RK 220K 1/6W J	D301,664	OB06181A	SID 1SS53	C103,104	OB09816A	CE 10μ 16V (LN)	R909	OB24106A	RF 820 2W J		R354,355	OB09723A	RK 82K 1/6W J		
R508	OB09677A	RK 1K 1/6W J	D651	OB06398A	SID 1SS176 (12)	203,204	OB41238A	CP 3600P 100V J	C901	OB40408A	CE 330μ 10V (BP)		R356-359	OB09689A	RK 3.3K 1/6W J		
R511	OB09671A	RK 560 1/6W J	653-659			205,206	OB41225A	CP 1000P 100V J	C902	OB40116A	CE 10μ 50V		368				
R514	OB09661A	RK 220 1/6W J	661,662			C106,124			C903	OB09372A	CE 2.2μ 50V		R360,361	OB09685A	RK 2.2K 1/6W J		
R515	OB09665A	RK 330 1/6W J	663,665			206,224			C905	OB01400A	CE 100μ 16V		R362,363	OB09695A	RK 5.6K 1/6W J		
R516	OB09681A	RK 1.5K 1/6W J	D652	OB12363A	SID MA700	C107,207	OB09933A	CE 2.2μ 50V (LN)	RL901	OB090199A	Relay 24V		R364	OB09663A	RK 270 1/6W J		
R517	OB09651A	RK 82 1/6W J	D660	OB12100A	SID MC921	C121,221	OB40422A	CE 220μ 10V (LN)	CN11	OB82799A	3P Connector		R369	OB09701A	RK 10K 1/6W J		
R518	OB09708A	RK 20K 1/6W J	L651	OB51239A	Micro Coil 22μH	C391,396	OB82862A	CE 0.33μ 50V J					C351	OB40418A	CE 330μ 16V (LN)		
CF502	OB41701A	Ceramic Filter SFZ450G3L	X651	OB92006A	Crystal 7.2MHz	CN34	BA06355A	10P Connector Eq. Sub P.C.B. Ass'y					C352	OB41290A	CMM 0.022μ 50V J		
CT526,527	OB42005A	C Trimmer 20P	R653,656	OB09725A	RK 100K 1/6W J								C353,354	OB09816A	CE 10μ 16V (LN)		
C501,506 507,512 515,518 519,520 522,525	OB41554A	CC 0.022μ 25V	657,664										362				
C502	OB41401A	CP 430P 50V J	667,669										362	OB01405A	CE 1μ 50V		
C504,505	OB01402A	CE 4.7μ 25V	672,676										C355,358				
C508	OB40111A	CE 0.47μ 50V	677,683										362				
C509,523	OB01403A	CE 47μ 16V	685,688										C356,357	OB01412A	CE 10μ 16V		
C510	OB41296A	CMM 0.068μ 50V J	R654	OB09661A	RK 220 1/6W J	Q401,403	OB06013A	TR 2SA733 (P,Q)	Q701-704	OB06142A	TR 2SC2240 (BL) (12)		C359	OB41555A	CC 0.047μ 25V		
C511	OB09586A	CC 2200P 50V K	R655,660	OB09677A	RK 1K 1/6W J	Q402,404	OB01872A	TR 2SC945L (P,Q)	706,707				C360	OB09287A	CC 680P 50V K		
C513,517 521	OB09288A	CC 1000P 50V K	R658,662	OB09701A	RK 10K 1/6W J	Q405	OB06452A	TR 2SD1406 (Y)	801,804	OB10050A	TR 2SA970 (BL)		C361	OB40023A	CC 0.22μ 50V		
C514	OB41553A	CC 0.01μ 25V	692,693			Q406	OB06451A	TR 2SB1015 (Y)	805,808				C362,369	OB41281A	CMM 3900P 50V J		
C524	OB41711A	CC 82P 50V K	R661	OB09699A	RK 8.2K 1/6W J	ZD401	OB12162A	ZD 8.2V RD8.2JSB2	Q705,708	OB10050A	TR 2SA970 (BL)		X351	OB90172A	Ceramic Filter CSB456F11		
C528	OB09372A	CE 2.2μ 50V	R663	OB09701A	RK 10K 1/6W J		OB06451A	TR 2SB1015 (Y)	806,807								
X501	OB92003A	Crystal 450kHz BFU450C4N	R664	OB09719A	RK 56K 1/6W J		OB12162A	ZD 8.2V	807,808								
CN1	OB82791A	2P Connector 250mm	R665,667	OB09727A	RK 120K 1/6W J		OB09725A	RK 100K 1/6W J	808,809								
TP3	OB81634A	2P-T Post	R668,673	OB09749A	RK 1M 1/6W J		OB09699A	RK 8.2K 1/6W J	809,810								
			679	OB09709A	RK 22K 1/6W J		OB09699A	RK 4.7K 1/6W J	810,811								
				OB09717A	RK 47K 1/6W J		OB09699A	RK 1.5K 1/6W J	811,812								
				OB09717A	RK 47K 1/6W J		OB09699A	RK 470 1/6W J	812,815								
				OB01403A	CE 47μ 16V		OB09699A	RK 5.6K 1/6W J	815,814								
				OB41554A	CC 0.022μ 25V		OB22343A	RM 10.0K 1/6W F	816,816								
							OB41507A	C 22P 50V J	817,820								
							OB81635A	3P-T Post	818,819								
							OB82135B	PD Connector V130	821,822								
							OB82215A	PD Connector V090	822,822								
							OB80680B	Heat Sink A (2)	823,823								
							OE00972A	Nut Hex. M3 (2)	824,824								
							OE03319A	M3x8 @ Binding (2)	825,825								
									826,826								
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(2) 1st Version



Schematic Ref. No.	Part No.	Description
	BA06236A	Main F.C.B. Ass'y (SR-2 (Other)) 1st Version
		- FM -
IC301	OB11156A	IC TA7060AP
IC302	OB11157A	IC LA1235
Q301	OB10127A	FET 2SK241 (GR)
Q302,304	OB10174A	TR 2SC2669 (O,Y)
Q303	OB01872A	TR 2SC945L (P,O)
D303-306	OB06398A	SiD 1SS176 (4)
D307-310	OB06181A	SiD 1SS53 (4)
L301	OB51240A	FM Det. Coil A
L302	OB51241A	FM Det. Coil B
L304-310	OB51239A	Micro Coil 22μH (7)
VR301	OB32084A	Semi VR 47K
VR302	OB32080A	Semi VR 10K
R301	OB09725A	RK 100K 1/6W J
R303	OB09745A	RK 680K 1/6W J
R304,313	OB09645A	RK 47 1/6W J
R305,338	OB09671A	RK 560 1/6W J
R307	OB09723A	RK 82K 1/6W J
R308	OB09727A	RK 120K 1/6W J
R310,314	OB09667A	RK 390 1/6W J
315,316		
R311,334	OB09698A	RK 7.5K 1/6W J
R312	OB09686A	RK 2.4K 1/6W J
R319,332	OB09665A	RK 330 1/6W J
333,340		
R320	OB09717A	RK 47K 1/6W J
R321	OB05641A	RK 47K 1/4W J
R322,329	OB09677A	RK 1K 1/6W J
337		
R323	OB09719A	RK 56K 1/6W J
R324	OB09699A	RK 8.2K 1/6W J
R325	OB09705A	RK 15K 1/6W J
R326	OB09685A	RK 2.2K 1/6W J
R327	OB09701A	RK 10K 1/6W J
R330,335	OB09689A	RK 3.3K 1/6W J
R336	OB09647A	RK 56 1/6W J
R339,342	OB09693A	RK 4.7K 1/6W J
CF301,302	OB41700A	Ceramic Filter SFE10.7MX2H-A
CF303,304	OB41076A	Ceramic Filter SFE10.7MS3GKY-A
CT332	OB41614A	C Trimmer 30P
C301,303	OB41554A	CC 0.022μ 25V Z (24)
310,311		
313,314		
315,318		
319,320		
321,324		
325,328		
331		
333-339		
C302	OB41294A	CMM 0.047μ 50V J
C312,317	OB41290A	CMM 0.022μ 50V J
C316	OB40079A	CE 220μ 16V
C322	OB01402A	CE 4.7μ 25V
C323	OB09372A	CE 2.2μ 50V
C326,329	OB01405A	CE 1μ 50V
C327	OB40066A	CE 330μ 10V
C330	OB41071A	CC 100P 50V J
C341	OB40420A	CE 220μ 16V (LN)
F301	OB11248A	IC Protector ICP-N5
FE301	OB91016A	Front-end FE407-A16
CN2	OB82792A	3P Connector W240
CN7	OB82795A	3P Connector 370
CN25	OB81635A	3P-T Post
TP1	OB81634A	2P-T Post
	OE03355A	Earth Lug (1)
		- AM -
IC501	OB11243A	IC LA1247
Q501	OB01872A	TR 2SC945L (P,Q)
Q502	OB06129A	FET 2SK117 (Y)
D501	OB12386A	Varicap KV1226Y
D502	OB12363A	SiD MA700
L501	OB51235A	Osc. Coil
L502	OB51236A	Ant. Coil
L503	OB51234A	IFT 2 AM
L504	OB51233A	IFT 1 AM
L505,506	OB51239A	Micro Coil 22μH
VR501	OB32084A	Semi VR 47K
R501	OB01857A	RK 1K 1/4W J

Note: For Australia, D309, D310, and pins 1 and 2 of CN-25 are shorted with jumper wires.

Fig. 5.13.2.2 1st Version (For SR-2 (Other & Australia))

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
R502,503 510	OB09725A	RK 100K 1/6W J	Q655	OB10058A	TR DTA114ES	R114,214	OB09707A	RK 18K 1/6W J	R905	OB01933A	RK 220 1/4W J	IC301	OB11156A	IC TA7060AP	L351,352	OB51237A	MPX Filter
R504,509 512	OB09685A	RK 2.2K 1/6W J	Q659	OB06013A	TR 2SA733 (P,Q)	C101,201	OB41703A	CSP 100P	R906	OB01889A	RK 100K 1/4W J	IC302	OB11157A	IC LA1235	VR351	OB32066A	Semi VR 220K
R505,506 519	OB09701A	RK 10K 1/6W J	Q664,665	OB06372A	TR 2SA953 (K,L)	C102,202	OB41585A	CM 0.015μ 100V J	R908	OB05508A	RK 56K 1/4W J	Q301	OB10127A	FET 2SK241 (GR)	R352,353	OB09721A	RK 68K 1/6W J
R507	OB09733A	RK 220K 1/6W J	D301,664	OB06181A	SID 1SS53	C103,104	OB09816A	CE 10μ 16V (LN)	R909	OB24106A	RF 820 2W J	Q302,304	OB10174A	TR 2SC2669 (O,Y)	R354,355	OB09723A	RK 82K 1/6W J
R508	OB09677A	RK 1K 1/6W J	D651	OB06398A	SID 1SS176 (12)	C105,205	OB41238A	CP 3600P 100V J	C901	OB40408A	CE 330μ 10V (BP)	D303,306	OB06398A	SID 1SS176 (4)	R356,359	OB09689A	RK 3.3K 1/6W J
R511	OB09669A	RK 470 1/6W J	D652	OB12363A	SID MA700	C106,124	OB41225A	CP 1000P 100V J	C902	OB40116A	CE 10μ 50V	L301	OB51240A	FM Det. Coil A	R360,361	OB09685A	RK 2.2K 1/6W J
R514	OB09661A	RK 220 1/6W J	D660	OB12100A	SID MC921	C107,207	OB09933A	CE 2.2μ 50V (LN)	C903	OB09372A	CE 2.2μ 50V	L302	OB51241A	FM Det. Coil B	R362,363	OB09695A	RK 5.6K 1/6W J
R515	OB09665A	RK 330 1/6W J	L651	OB51239A	Micro Coil 22μH	C121,221	OB40422A	CE 220μ 10V (LN)	C905	OB01400A	CE 100μ 16V	L304-308	OB51239A	Micro Coil 22μH (6)	R364	OB09663A	RK 270 1/6W J
R516	OB09681A	RK 1.5K 1/6W J	X651	OB92006A	Crystal 7.2MHz	C391,396	OB41304A	CMM 0.33μ 50V J	RL901	OB90199A	Relay 24V	Q303,305	OB01872A	TR 2SC945L (P,O)	R369	OB09701A	RK 10K 1/6W J
R517	OB09648A	RK 62 1/6W J	R653,656	OB09725A	RK 100K 1/6W J	CN34	OB82862A	10P Connector	CN11	OB82799A	3P Connector	Q304,306	OB09420A	RM 2.2K 1/4W F	C351	OB40418A	CE 330μ 16V (LN)
R518	OB09708A	RK 20K 1/6W J	R657,664				BA06355A	Eq. Sub P.C.B. Ass'y				Q305,307	OB09420A	RM 2.2K 1/4W F	C352	OB41290A	CMM 0.022μ 50V J
CF502	OB41701A	Ceramic Filter SFZ450G3L	R658,669									L302	OB51241A	FM Det. Coil B	C353,354	OB09816A	CE 10μ 16V (LN)
CT526,527	OB42005A	C Trimmer 20P	R661	OB09661A	RK 220 1/6W J	Q401,403	OB06013A	TR 2SA733 (P,Q)	Q701-704	OB06142A	TR 2SC2240 (BL)	L301	OB51240A	FM Det. Coil A	C355,358	OB01405A	CE 1μ 50V
C501,506	OB41554A	CC 0.022μ 25V	R662,667	OB09677A	RK 1K 1/6W J	Q402,404	OB01872A	TR 2SC945L (P,Q)	706,707			L302	OB51241A	FM Det. Coil B	R362,363	OB09695A	RK 5.6K 1/6W J
507,512			R663	OB09701A	RK 10K 1/6W J	Q405	OB06452A	TR 2SD1406 (Y)	801,804			L304-308	OB51239A	Micro Coil 22μH (6)	R364	OB09663A	RK 270 1/6W J
515,518			R664	OB09699A	RK 8.2K 1/6W J	Q406	OB06451A	TR 2SB1015 (Y)	805,807			Q301	OB10174A	FET 2SK241 (GR)	R369	OB09701A	RK 10K 1/6W J
519,520			R665,667	OB09707A	RK 18K 1/6W J	ZD401	OB12162A	ZD 8.2V	808,809			Q302,304	OB10174A	TR 2SC2669 (O,Y)	C351	OB40418A	CE 330μ 16V (LN)
522,525			R666,687	OB09721A	RK 68K 1/6W J	R401,402	OB09725A	RK 100K 1/6W J	Q705,708	OB10050A	TR 2SA970 (BL)	Q303,305	OB01872A	TR 2SC945L (P,O)	C352	OB41290A	CMM 0.022μ 50V J
C502	OB41401A	CP 430P 50V J	R667	OB09719A	RK 56K 1/6W J	R403,404	OB09669A	RK 470 1/6W J	810,811			D303,306	OB06398A	SID 1SS176 (4)	C353,354	OB09816A	CE 10μ 16V (LN)
C504,505	OB01402A	CE 4.7μ 25V	R668	OB09749A	RK 1M 1/6W J	R405	OB09695A	RK 5.6K 1/6W J	R702,713			L301	OB51240A	FM Det. Coil A	R362,363	OB09695A	RK 5.6K 1/6W J
528			R669	OB09727A	RK 120K 1/6W J	R406,407	OB22343A	RM 10.0K 1/6W F	R702,713			L302	OB51241A	FM Det. Coil B	R364	OB09663A	RK 270 1/6W J
C509,523	OB40111A	CE 0.47μ 50V	R671	OB09709A	RK 22K 1/6W J	R408,409	OB41507A	C 22P 50V J	714,802			L304-308	OB51239A	Micro Coil 22μH (6)	R369	OB09701A	RK 10K 1/6W J
C510	OB01403A	CE 47μ 16V	R672,679	OB09717A	RK 47K 1/6W J	C394,395	OB81635A	Heat Sink A (2)	813,814			Q301	OB10174A	FET 2SK241 (GR)	C351	OB40418A	CE 330μ 16V (LN)
C511	OB41296A	CMM 0.06μ 50V J	R674,675	OB09717A	RK 47K 1/6W J	CN3	OB81635A	Heat Sink A (2)	R703,803	OB09421A	RM 2.67K 1/4W F	Q302,304	OB10174A	TR 2SC2669 (O,Y)	C352	OB41290A	CMM 0.022μ 50V J
C513,517	OB09586A	CC 220P 50V K	R676,681	OB09717A	RK 47K 1/6W J		OB81635A	Nut Hex. M3 (2)	R704,804	OB09230A	RM 1.5K 1/4W F	Q303,305	OB01872A	TR 2SC945L (P,O)	C353,354	OB09816A	CE 10μ 16V (LN)
C514	OB41553A	CC 0.01μ 25V	R677,682	OB09717A	RK 47K 1/6W J		OB81635A	Nut Hex. M3 (2)	R705,805	OB09230A	RM 1.5K 1/4W F	L301	OB51240A	FM Det. Coil A	R362,363	OB09695A	RK 5.6K 1/6W J
C524	OB41711A	CC 82P 50V K	R678,683	OB09717A	RK 47K 1/6W J		OB81635A	Nut Hex. M3 (2)	R706,806	OB09230A	RM 1.5K 1/4W F	L302	OB51241A	FM Det. Coil B	R364	OB09663A	RK 270 1/6W J
X501	OB92003A	Crystal 450KHz BFU450C4N	R679,684	OB09717A	RK 47K 1/6W J		OB81635A	Nut Hex. M3 (2)	R707,807	OB09230A	RM 1.5K 1/4W F	L304-308	OB51239A	Micro Coil 22μH (6)	R369	OB09701A	RK 10K 1/6W J
CN1	OB82791A	2P Connector 250mm	R680,681	OB09717A	RK 47K 1/6W J		OB81635A	Nut Hex. M3 (2)	R708,808	OB09230A	RM 1.5K 1/4W F	Q301	OB10174A	FET 2SK241 (GR)	C351	OB40418A	CE 330μ 16V (LN)
TP3	OB81634A	2P-T Post	R681	OB09717A	RK 47K 1/6W J		OB81634A	M3x8 @ Binding (2)	R709,809	OB09230A	RM 1.5K 1/4W F	Q302,304	OB10174A	TR 2SC2669 (O,Y)	C352	OB41290A	CMM 0.022μ 50V J
			R682	OB09717A	RK 47K 1/6W J		OB81634A	M3x8 @ Binding (2)	R710,810	OB09230A	RM 1.5K 1/4W F	Q303,305	OB01872A	TR 2SC945L (P,O)	C353,354	OB09816A	CE 10μ 16V (LN)
			R683	OB09717A	RK 47K 1/6W J		OB81634A	M3x8 @ Binding (2)	R711,811	OB09230A	RM 1.5K 1/4W F	D303,306	OB06398A	SID 1SS176 (4)	R362,363	OB09695A	RK 5.6K 1/6W J
			R684	OB09717A	RK 47K 1/6W J		OB81634A	M3x8 @ Binding (2)	R712,715	OB09230A	RM 1.5K 1/4W F	L301	OB51240A	FM Det. Coil A	R364	OB09663A	RK 270 1/6W J
			R685	OB09717A	RK 47K 1/6W J		OB81634A	M3x8 @ Binding (2)	812,815	OB09230A	RM 1.5K 1/4W F	L302	OB51241A	FM Det. Coil B	R369	OB09701A	RK 10K 1/6W J
			R686	OB09717A	RK 47K 1/6W J		OB81634A	M3x8 @ Binding (2)	R716,816	OB09230A	RM 1.5K 1/4W F	Q301	OB10174A	FET 2SK241 (GR)	C351	OB40418A	CE 330μ 16V (LN)
			R687	OB09717A	RK 47K 1/6W J		OB81634A	M3x8 @ Binding (2)	R717,720	OB09230A	RM 1.5K 1/4W F	Q302,304	OB10174A	TR 2SC2669 (O,Y)	C352	OB41290A	CMM 0.022μ 50V J
			R688	OB09717A	RK 47K 1/6W J		OB81634A	M3x8 @ Binding (2)	R718,719	OB09230A	RM 1.5K 1/4W F	Q303,305	OB01872A	TR 2SC945L (P,O)	C353,354	OB09816A	CE 10μ 16V (LN)
			R689	OB09717A	RK 47K 1/6W J		OB81634A	M3x8 @ Binding (2)	818,819	OB09230A	RM 1.5K 1/4W F	L301	OB51240A	FM Det. Coil A	R362,363	OB09695A	RK 5.6K 1/6W J
			R690,695	OB09717A	RK 47K 1/6W J		OB81634A	M3x8 @ Binding (2)	R721,722	OB09230A	RM 1.5K 1/4W F	L302	OB51241A	FM Det. Coil B	R364	OB09663A	RK 270 1/6W J
			C651	OB01403A	CC 47μ 16V		OB81634A	M3x8 @ Binding (2)	821,822	OB09230A	RM 1.5K 1/4W F	L304-308	OB51239A	Micro Coil 22μH (6)	R369	OB09701A	RK 10K 1/6W J
			C652,663	OB41554A	CC 0.022μ 25V		OB81634A	M3x8 @ Binding (2)	R741,841	OB24112A	RF 5.6 1W J	Q301	OB10174A	FET 2SK241 (GR)	C351	OB40418A	CE 330μ 16V (LN)
			668-673				OB81634A	M3x8 @ Binding (2)	R743,843	OB22457A	CM 100K 1/6W F	Q302,304	OB10174A	TR 2SC2669 (O,Y)	C352	OB41290A	CMM 0.022μ 50V J
			679				OB81634A	M3x8 @ Binding (2)	C701,703	OB41213A	CP 330P 100V J	Q303,305	OB01872A	TR 2SC945L (P,O)	C353,354	OB09816A	CE 10μ 16V (LN)
			C653	OB41187A	CC 39P 50V J		OB81634A	M3x8 @ Binding (2)	801,803	OB40421A	CE 220μ 25V (LN)	D303,306	OB06398A	SID 1SS176 (4)	R362,363	OB09695A	RK 5.6K 1/6W J
			C654	OB09586A	CC 2200P 50V K		OB81634A	M3x8 @ Binding (2)	C702,802	OB41702A	CSP 22P 50V J	L301	OB51240A	FM Det. Coil A	R364	OB09663A	RK 270 1/6W J
			C655	OB09288A	CC 1000P 50V K		OB81634A	M3x8 @ Binding (2)	C704,705	OB41702A	CSP 22P 50V J	L302	OB51241A	FM Det. Coil B	R369	OB09701A	RK 10K 1/6W J
			C656	OB40103A	CE 47μ 35V		OB81634A	M3x8 @ Binding (2)	804,805	OB41702A	CSP 22P 50V J	L304-308	OB51239A	Micro Coil 22μH (6)	C351	OB40418A	CE 330μ 16V (LN)
			C657	OB09327A	CE 0.33μ 50V (LN)		OB81634A	M3x8 @ Binding (2)	C706,806	OB41594A	CM 0.1μ 100V J	Q301	OB10174A	FET 2SK241 (GR)	C352	OB41290A	CMM 0.022μ 50V J
			C658	OB41298A	CMM 0.1μ 50V J		OB81634A	M3x8 @ Binding (2)	C707,807	OB09816A	CE 10μ 16V (LN)	Q302,304	OB10174A	TR 2SC2669 (O,Y)	C353,354	OB09816A	CE 10μ 16V (LN)
			C659	OB41553A	CC 0.01μ 25V		OB81634A	M3x8 @ Binding (2)	C708,808	OB81634A	2P-T Post	Q303,305	OB01872A	TR 2SC945L (P,O)	R362,363	OB09695A	RK 5.6K 1/6W J
			C661,666	OB01405A	CE 1μ 50V		OB81634A	M3x8 @ Binding (2)	808,809	OB81634A	2P-T Post	D303,306	OB06398A	SID 1SS176 (4)	R364	OB09663A	RK 270 1/6W J
			674,678				OB81634A	M3x8 @ Binding (2)	810,811	OB81634A	2P-T Post	L301	OB51240A	FM Det. Coil A	R369	OB09701A	RK 10K 1/6W J
			C662,677	OB01400A	CE 100μ 16V		OB81634A	M3x8 @ Binding (2)	R718,719	OB81634A	2P-T Post	L302	OB51241A	FM Det. Coil B	C351	OB40418A	CE 330μ 16V (LN)
			C664	OB41708A	CC 22P 50V J		OB81634A	M3x8 @ Binding (2)	818,819	OB81634A	2P-T Post	L304-308	OB51239A	Micro Coil 22μH (6)	C352	OB41290A	CMM 0.022μ 50V J
			C665	OB41709A	CC 47P 50V J		OB81634A										

5.13.3. For SR-2E (Europe)

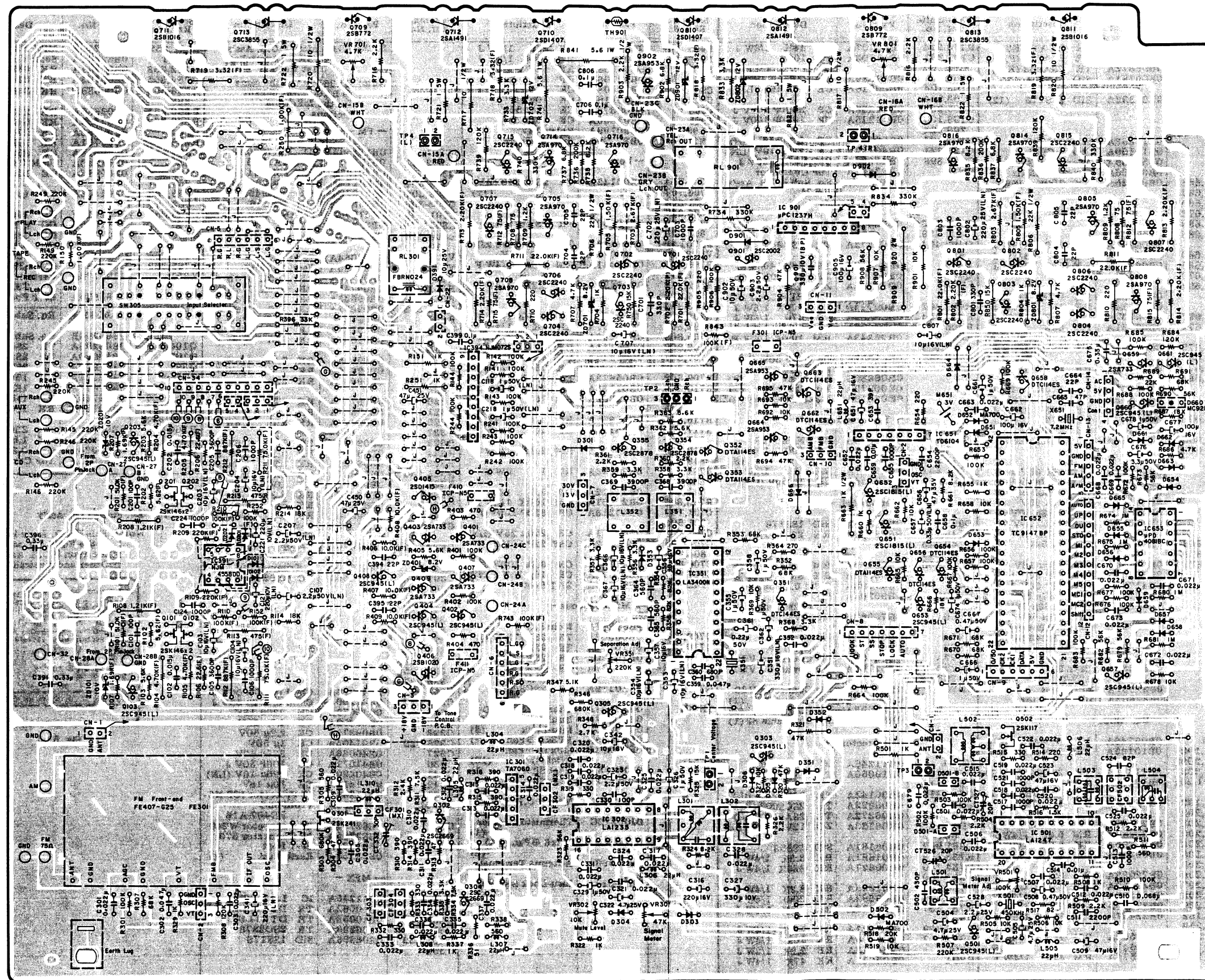
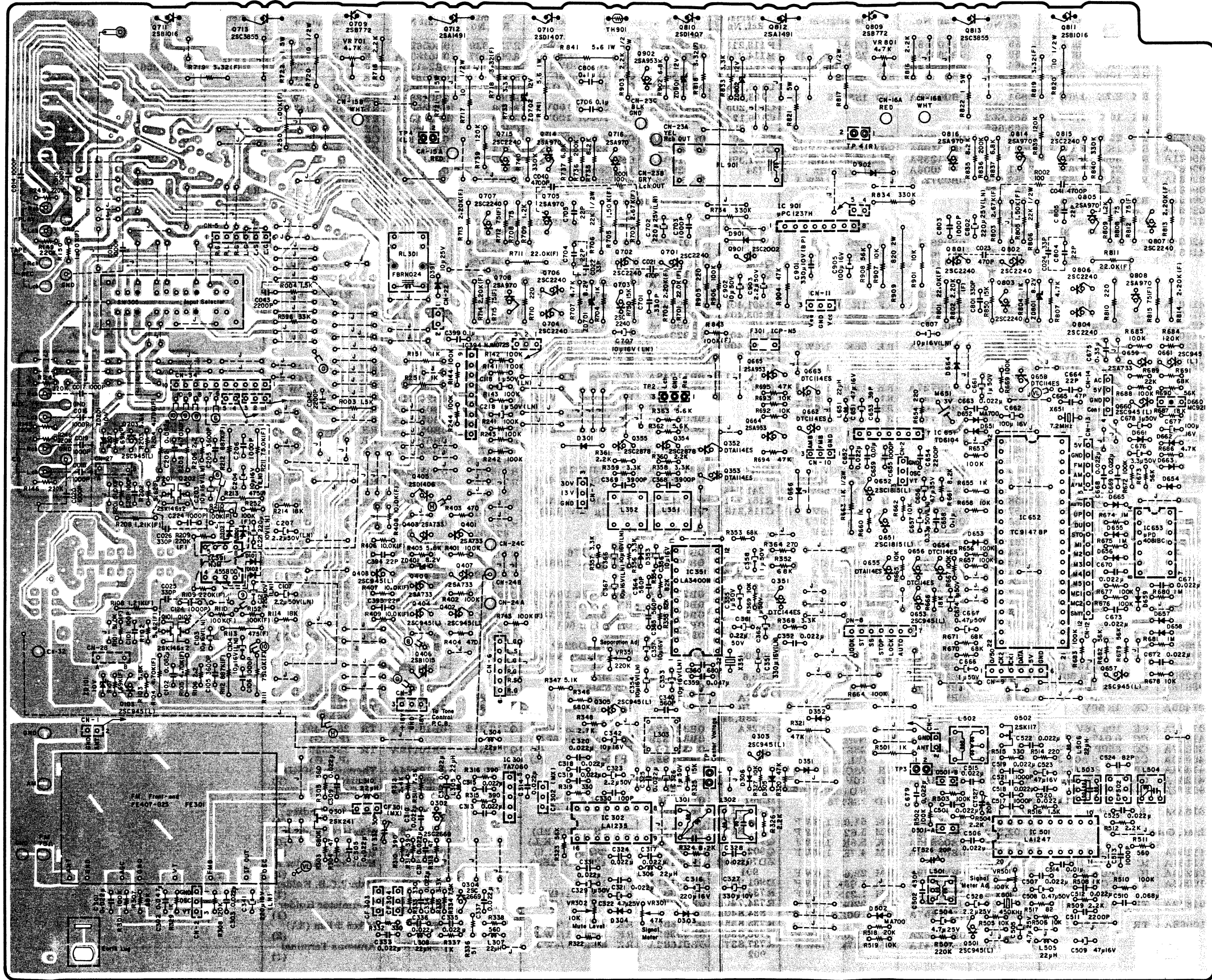


Fig. 5.13.3 For SR-2E (Europe)

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
	BA06235A	Main P.C.B. Assy (SR-2E (Europe))	L505,506	OB51239A	Micro Coil 22μH	Q655	OB10058A	TR DTA114ES	R113,213	OB22576A	RM 475 1/4W F	R739,839	OB05621A	RK 120K 1/4W J		OB90019A	Insu-Lock SKB80
	-- FM --		VR501	OB32086A	Semi VR 100K	Q659	OB06013A	TR 2SA733 (P,Q)	R114,214	OB09707A	RK 18K 1/6W F	R901,907	OB01888A	RK 10K 1/4W J		OB04956A	Lithium Battery Caution Label (1)
IC301	OB11156A	IC TA7060AP	R502,503	OB09725A	RK 1K 1/4W J	D301,664	OB06181A	TR 2SA953 (K,L)	C101,201	OB41703A	CSP 100P 50V J	R903	OB24113A	RF 2.2K 1/2W J			
IC302	OB11157A	IC LA1235	510	OB09685A	RK 100K 1/6W J	666		SID 1SS53	C102,202	OB41585A	CMM 0.015μ 50V J	R904	OB05641A	RK 47K 1/4W J			
Q301	OB10127A	FET 2SK241 (GR)	R504,509	OB09701A	RK 2.2K 1/6W J	D651	OB06398A	SID 1SS176 (12)	C103,104	OB09816A	CE 10μ 16V (LN)	R905	OB01933A	RK 220 1/4W J			
Q302,304	OB10174A	TR 2SC2669 (O,Y)	512			653-659			203,204			R906	OB01889A	RK 100K 1/4W J			
Q303,305	OB01872A	TR 2SC945L (P,Q)	R505,506	OB09733A	RK 220K 1/6W J	D652	OB12363A	SID MA700	C105,205	OB41238A	CP 3600P 100V J	R908	OB05508A	RK 56K 1/4W J			
D303-306	OB06398A	SID 1SS176 (4)	519	OB09677A	RK 1K 1/6W J	D660	OB12100A	SID MC921	C106,124	OB41225A	CP 1000P 100V J	R909	OB24106A	RF 820 2W J			
L301	OB51240A	FM Det. Coil A	R507,512	OB09733A	RK 220K 1/6W J	D661	OB12100A	SID MC921	206,224	OB09933A	CE 2.2μ 50V (LN)	C901	OB40408A	CE 330μ 10V (BP)			
L302	OB51241A	FM Det. Coil B	R508	OB09671A	RK 1K 1/6W J	L651	OB51239A	Micro Coil 22μH	C107,207	OB40422A	CE 220μ 10V (LN)	C902	OB40116A	CE 10μ 50V			
L304-308	OB51239A	Micro Coil 22μH (6)	R511	OB09671A	RK 560 1/6W J	X651	OB92006A	Crystal 7.2MHz	C121,221	OB41304A	CMM 0.33μ 50V J	C905	OB09372A	CE 2.2μ 50V			
310			R514	OB09661A	RK 220 1/6W J	R653,656	OB09725A	RK 100K 1/6W J	C391,396	OB82862A	10P Connector	RL901	OB01400A	CE 100μ 16V			
VR301	OB32084A	Semi VR 47K	R515	OB09665A	RK 330 1/6W J	657,664			CN34	BA06355A	Eq. Sub. P.C.B. Assy	CN11	OB90199A	Relay 24V			
VR302	OB32080A	Semi VR 10K	R517	OB09681A	RK 1.5K 1/6W J	667,669							OB82799A	3P Connector			
R301	OB09725A	RK 100K 1/6W J	R518	OB09651A	RK 82 1/6W J	672,676											
R303,346	OB09745A	RK 680K 1/6W J	CF502	OB41701A	Ceramic Filter SFZ450G3L	677,683											
R304,313	OB09645A	RK 47 1/6W J	CT526,527	OB42005A	C Trimmer 20P	R654	OB09661A	RK 220 1/6W J	Q401,403	OB06013A	TR 2SA733 (P,Q)	Q701,704	OB06142A	TR 2SC2240 (BL) (12)			
R305,338	OB09671A	RK 560 1/6W J	C501,506	OB41554A	CC 0.022μ 25V	R655,660	OB09677A	RK 1K 1/6W J	Q402,404	OB01872A	TR 2SC945L (P,Q)	801,804					
R307	OB09721A	RK 68K 1/6W J	507,512			R658,662	OB09701A	RK 10K 1/6W J	408	OB10012A	TR 2SD1415	806,807					
R308	OB09727A	RK 120K 1/6W J	515,518			665,678			Q405	OB10011A	TR 2SB1020	Q705,708	OB10050A	TR 2SA970 (BL)			
R310,314	OB09667A	RK 390 1/6W J	519,520			692,693			Q406	OB12162A	ZD 8.2V	805,808	OB12162A	ZD 8.2V			
R311,334	OB09698A	RK 7.5K 1/6W J	522,525			R661	OB09699A	RK 8.2K 1/6W J	ZD401	OB09725A	RK 100K 1/6W J	ZD701,801	OB12162A	ZD 8.2V			
R312	OB09686A	RK 2.4K 1/6W J	C502	OB41401A	CP 430P 50V J	R663	OB24114A	RF 1K 1/2W J		OB09669A	RK 470 1/6W J	VR701,801	OB32078A	Semi VR 4.7K			
R319,332	OB09665A	RK 330 1/6W J	C504,505	OB41402A	CE 4.7μ 25V	R666,687	OB09707A	RK 18K 1/6W J	R401,402	OB09695A	RK 5.6K 1/6W J	R701,711	OB09441A	RM 22K 1/4W F			
R320	OB09717A	RK 47K 1/6W J	C508	OB40111A	CE 0.47μ 50V	R670,671	OB09721A	RK 68K 1/6W J	R405	OB22343A	RM 10.0K 1/6W F	801,811					
R321	OB05641A	RK 47K 1/4W J	C509,523	OB41403A	CE 47μ 16V	691			R406,407	OB41507A	C 22P 50V J	714,713	OB09420A	RM 2.2K 1/4W F			
R322,329	OB09677A	RK 1K 1/6W J	C510	OB41296A	CMM 0.068μ 50V J	R673,679	OB09719A	RK 56K 1/6W J	R408,409	OB40466A	CE 47μ 25V (LN)	813,814					
R327	OB09719A	RK 56K 1/6W J	C511	OB09586A	CC 2200P 50V K	682,690	OB09749A	RK 1M 1/6W J	C394,395	OB11248A	IC Protector ICP-N5	R703,803	OB09421A	RM 2.67K 1/4W F			
R323	OB09699A	RK 8.2K 1/6W J	C513,517	OB09288A	CC 1000P 50V K	R674,675			C450,451	OB11635A	3P-T Post	R704,804	OB01857A	RK 1K 1/4W J			
R324	OB09705A	RK 15K 1/6W J	C514	OB41553A	CC 0.01μ 25V	680,681	OB09727A	RK 120K 1/6W J	F410,411	OB08680B	Heat Sink A (2)	R705,805	OB02411A	RF 2.2K 1/4W J			
R325	OB09685A	RK 15K 1/6W J	C524	OB41711A	CC 82P 50V K	R684	OB09693A	RK 4.7K 1/6W J	CN3	OB82135B	PD Connector V130	R706,806	OB022700A	RM 3.32 1/4W F			
R326	OB09685A	RK 2.2K 1/6W J	C528	OB09372A	CE 2.2μ 50V	R686	OB09709A	RK 22K 1/6W J	GJ	OE00972A	Nut Hex. M3 (2)	R707,807	OB24094A	RC 1 5W K			
R327	OB09701A	RK 10K 1/6W J	X501	OB92003A	Crystal 450kHz	R689	OB09717A	RK 47K 1/6W J		OE03319A	M3x8 @ Binding (2)	R708,808	OB24112A	RF 5.6 1W J			
R335	OB09689A	RK 3.3K 1/6W J	CN1	OB82791A	2P Connector 250mm	R694,695	OB01403A	CE 47μ 16V				R709,809	OB22457A	RM 100K 1/6W F			
R336	OB09646A	RK 51 1/6W J	TP3	OB81634A	2P-T Post	C651	OB41554A	CC 0.022μ 25V				R710,810	OB22457A	RM 100K 1/6W F			
R347	OB09694A	RK 5.1K 1/6W J				C652,663						R711,715	OB22457A	RM 100K 1/6W F			
R348	OB09687A	RK 2.7K 1/6W J				668-673						812,815	OB22457A	RM 100K 1/6W F			
CF301,302	OB41818A	Ceramic Filter SFE10,7MX2K-A				679						R716,816	OB22457A	RM 100K 1/6W F			
CF303,304	OB41746A	Ceramic Filter SFE10,7MS3GH15A										R717,720	OB22457A	RM 100K 1/6W F			
CT332	OB41614A	C Trimmer 30P	IC351	OB11245A	IC LA3400N	C653	OB09586A	CC 2200P 50V K	IC394	OB11070A	IC NJM072S	R718,819	OB22700A	RM 3.32 1/4W F			
C301,303	OB41554A	CC 0.022μ 25V Z	Q351	OB10062A	TR DTC144ES	C654	OB09288A	CC 1000P 50V K	R141-144	OB01889A	RK 100K 1/4W J	817,820	OB22700A	RM 3.32 1/4W F			
305,309			Q352,353	OB10058A	TR DTA114ES	C655	OB40103A	CE 47μ 16V	241-244	OB01857A	RK 1K 1/4W J	R718,819	OB22700A	RM 3.32 1/4W F			
310,311			Q354,355	OB06299A	TR 2SC2878	C656	OB09327A	CE 0.33μ 50V (LN)	R151,251	OB09814A	CE 1μ 50V (LN)	818,819	OB24094A	RC 1 5W K			
313,314			D351,352	OB06398A	SID 1SS176	C658	OB41298A	CMM 0.1μ 50V J	C118,218			R721,722	OB24094A	RC 1 5W K			
315,318			353			C659	OB41553A	CC 0.01μ 25V				821,822	OB24112A	RF 5.6 1W J			
319,320			L351,352	OB51237A	MPX Filter	C661,666	OB01405A	CE 1μ 50V				R741,841	OB22457A	RM 100K 1/6W F			
321,324			VR351	OB32066A	Semi VR 220K	674,678						R743,843	OB22457A	RM 100K 1/6W F			
325,328			R352,353	OB09721A	RK 68K 1/6W J	C662,677						R750,850	OB22457A	RM 100K 1/6W F			
331,333			R354,355	OB09723A	RK 82K 1/6W J	C664	OB41708A	CC 22P 50V J				C701,801	OB41213A	CP 330P 100V J			
334,335			R356-359	OB09689A	RK 3.3K 1/6W J	C665	OB41709A	CC 47P 50V J				C702,802	OB40421A	CE 220μ 25V (LN)			
336,337			368			C667	OB40111A	CE 0.47μ 50V				C703,803	OB41225A	CP 1000P 100V J			
C302	OB41294A	CMM 0.047μ 50V J	R360,361	OB09685A	RK 2.2K 1/6W J	C676	OB01863A	CE 3.3μ 50V				C704,705	OB41702A	CSP 22P 50V J			
C312,317	OB41290A	CMM 0.022μ 50V J	R362,363	OB09695A	RK 5.6K 1/6W J	M651	OB90200B	Lithium Battery 3V CR2430-FT4-1				C706,806	OB41594A	CM 0.1μ 100V J			
C316	OB40079A	CE 220μ 16V	R364	OB09663A	RK 270 1/6W J							C707,807	OB09816A	CE 10μ 16V (LN)			
C322	OB01402A	CE 4.7μ 25V	R369	OB09701A	RK 10K 1/6W J	CN8	OB81639A	7P-T Post				TP4L,4R	OB81634A	2P-T Post			
C323	OB09372A	CE 2.2μ 50V	C351	OB40418A	CE 330μ 16V (LN)	CN9	OB81638A	6P-T Post									
C326,329	OB01405A	CE 1μ 50V	C352	OB41290A	CMM 0.022μ 50V J	CN10	OB81635A	3P-T Post									
C327	OB40066A	CE 330μ 10V	C353,354	OB09816A	CMM 10μ 16V (LN)	CN12	OB81644A	12P-T Post									
C330	OB41071A	CC 100P 50V J	366,367			CN13	OB81637A	5P-T Post									
C341	OB40420A	CE 220μ 16V (LN)	C355,358	OB01405A	CE 1μ 50V	CN14	OB82802A	4P Connector									
C342	OB01412A	CE 10μ 16V	362														
F301	OB11248A	IC Protector ICP-N5	C356,357	OB01412A	CE 10μ 16V	IC391	OB06146A	IC NJM4558DD									
FE301	OB91017A	Front-end	C359	OB41555A	CC 0.047μ 25V	Q101,102	OB10195A	FET 2SK146									
CN2	OB82792A	3P Connector W240	C360	OB09287A	CC 680P 50V K												

5.13.4. For SR-2E (Germany)



Schematic Ref. No.	Part No.	Description
	BA06814A	Main P.C.B. Ass'y (SR-2E (Germany))
	- FM -	
IC301	OB11156A	IC TA7060AP
IC302	OB11157A	IC LA1235
Q301	OB10127A	FET 2SK241 (GR)
Q302,304	OB10174A	TR 2SC2669 (O,Y)
Q303,305	OB01872A	TR 2SC945L (P,Q)
D303-306	OB06398A	SiD 1SS176 (4)
L301	OB51240A	FM Det. Coil A
L302	OB51241A	FM Det. Coil B
L303	OB51238A	Anti-birdy Filter
L304-308	OB51239A	Micro Coil 22μH (6)
310		
VR301	OB32084A	Semi VR 47K
VR302	OB32080A	Semi VR 10K
R301	OB09725A	RK 100K 1/6W J
R303,346	OB09745A	RK 680K 1/6W J
R304,313	OB09645A	RK 47 1/6W J
R305,338	OB09671A	RK 560 1/6W J
R307	OB09721A	RK 68K 1/6W J
R308	OB09727A	RK 120K 1/6W J
R310,314	OB09667A	RK 390 1/6W J
315,316		
R311,334	OB09698A	RK 7.5K 1/6W J
R312	OB09686A	RK 2.4K 1/6W J
R319,332	OB09665A	RK 330 1/6W J
333		
R320	OB09717A	RK 47K 1/6W J
R321	OB05641A	RK 47K 1/4W J
R322,329	OB09677A	RK 1K 1/6W J
337		
R323	OB09719A	RK 56K 1/6W J
R324	OB09699A	RK 8.2K 1/6W J
R325	OB09705A	RK 15K 1/6W J
R326	OB09685A	RK 2.2K 1/6W J
R327	OB09701A	RK 10K 1/6W J
R335	OB09689A	RK 3.3K 1/6W J
R336	OB09646A	RK 51 1/6W J
R347	OB09694A	RK 5.1K 1/6W J
R348	OB09687A	RK 2.7K 1/6W J
CF301,302	OB41818A	Ceramic Filter SFE10.7MX2K-A
CF303,304	OB41746A	Ceramic Filter SFE10.7MS3GH15A
CT332	OB41614A	C Trimmer 30P
C301,303	OB41554A	CC 0.022μ 25V Z
305,309		
310,311		
313,314		
315,318		
319,320		
321,324		
325,328		
331,333		
334,335		
336,337		
C302	OB41294A	CMM 0.047μ 50V J
C312,317	OB41290A	CMM 0.022μ 50V J
C316	OB40079A	CE 220μ 16V
C322	OB01402A	CE 4.7μ 25V
C323	OB09372A	CE 2.2μ 50V
C326,329	OB01405A	CE 1μ 50V
C327	OB40066A	CE 330μ 10V
C330	OB41071A	CC 100P 50V J
C340	OB41404A	CP 560P 50V J
C341	OB40420A	CE 220μ 16V (LN)
C342	OB01412A	CE 10μ 16V
F301	OB11248A	IC Protector ICP-N5
FE301	OB91017A	Front-end FE407-G25
CN2	OB83053A	3P Connector W240
CN7	OB82795A	3P Connector 370mm
TP1	OB81634A	2P-T Post
	OE03355A	Earth Lug (1)
	- AM -	
IC501	OB11243A	IC LA1247
Q501	OB01872A	TR 2SC945L (P,Q)
Q502	OB06129A	FET 2SK117 (Y)
D501	OB12386A	Varicap KV1226Y
D502	OB12363A	SiD MA700
L501	OB51235A	Osc. Coil
L502	OB51236A	Ant. Coil

Fig. 5.13.4 For SR-2E (Germany)

6. SCHEMATIC DIAGRAMS

6.1. IC Block Diagrams

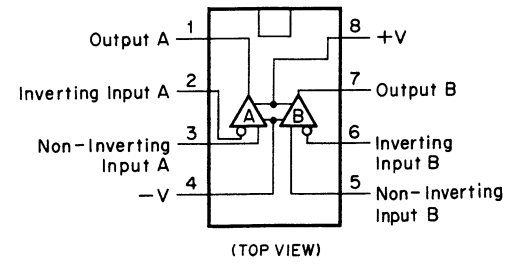


Fig. 6.1.1 Operational Amp. IC 4558DD, 072DE

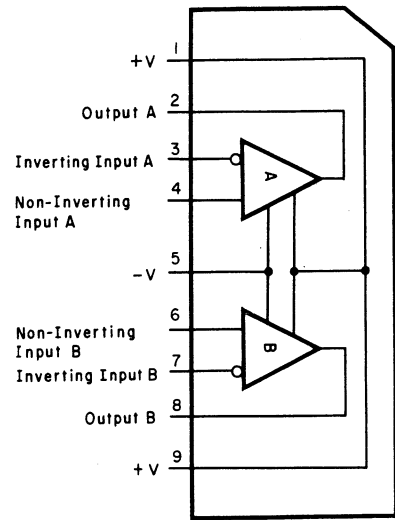


Fig. 6.1.2 Operational Amp. IC 072S

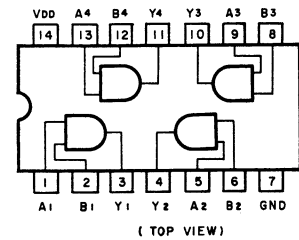


Fig. 6.1.3 AND Gate C-MOS IC μPD4081BC

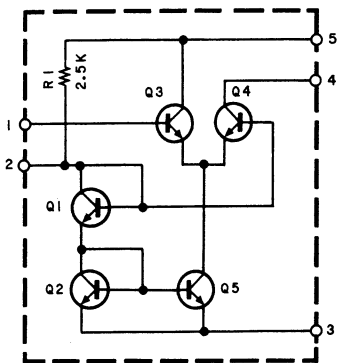


Fig. 6.1.4 FM IF Amp. IC TA7060AP

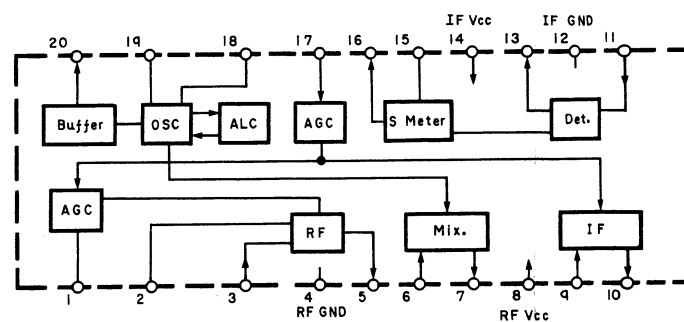


Fig. 6.1.5 AM Tuner IC LA1247

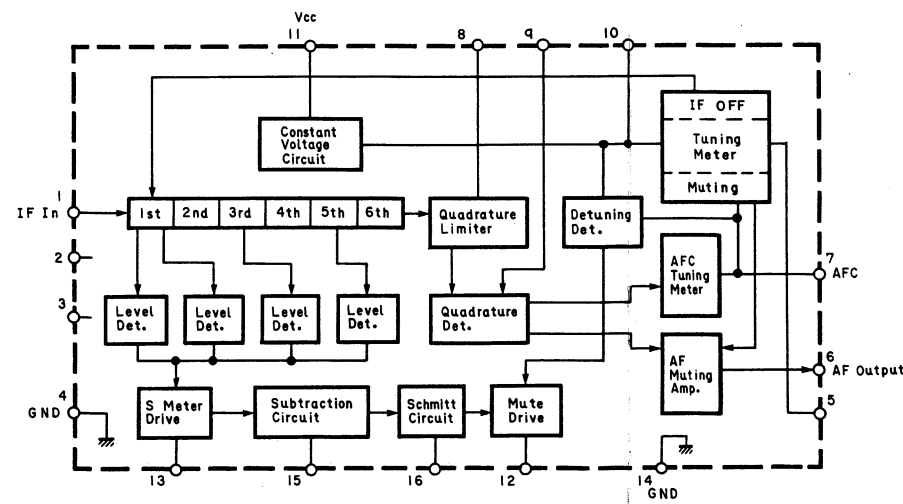


Fig. 6.1.6 FM IF System IC LA1235

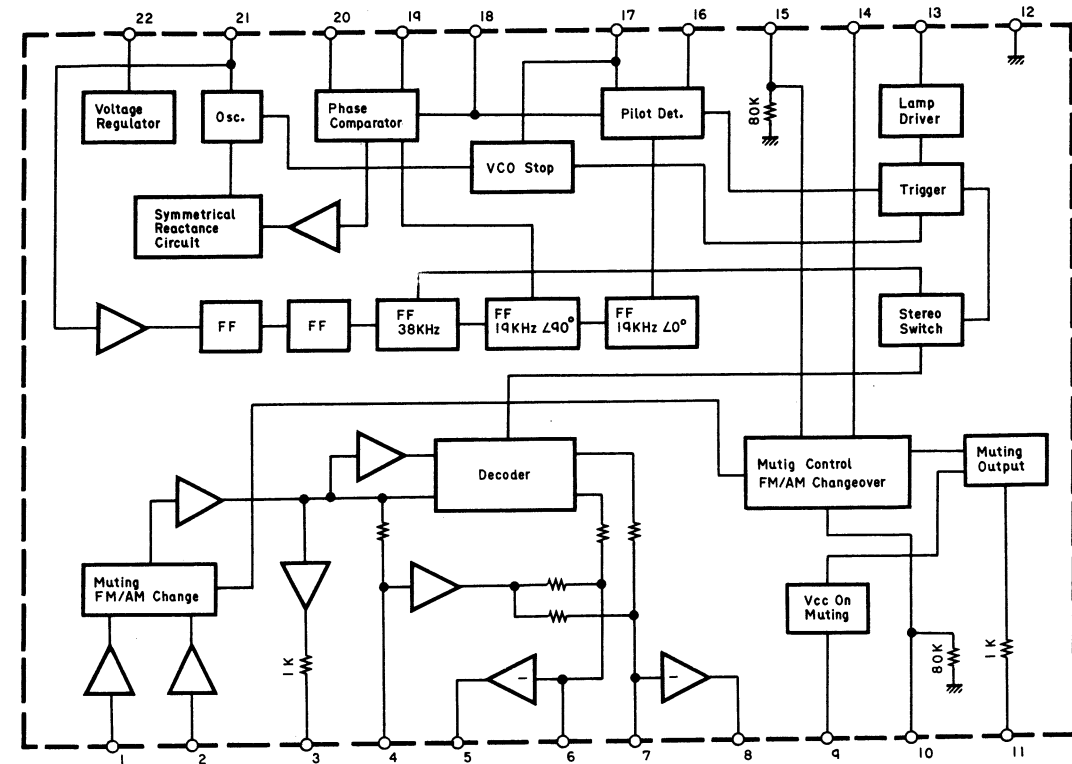


Fig. 6.1.7 FM Stereo Demodulator IC LA3400N

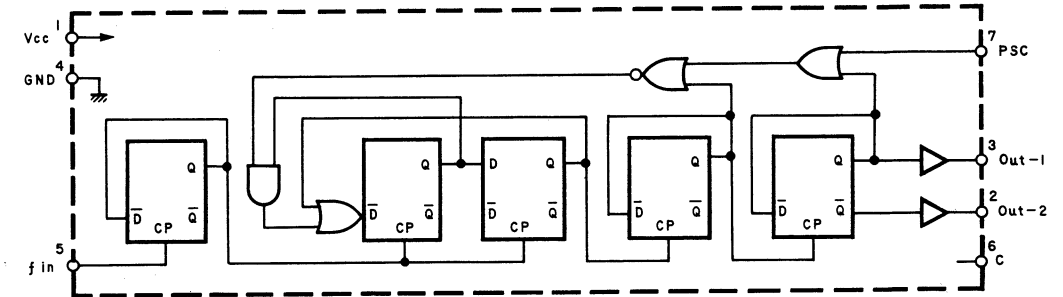


Fig. 6.1.8 ECL Prescaler (FM) IC TD6104

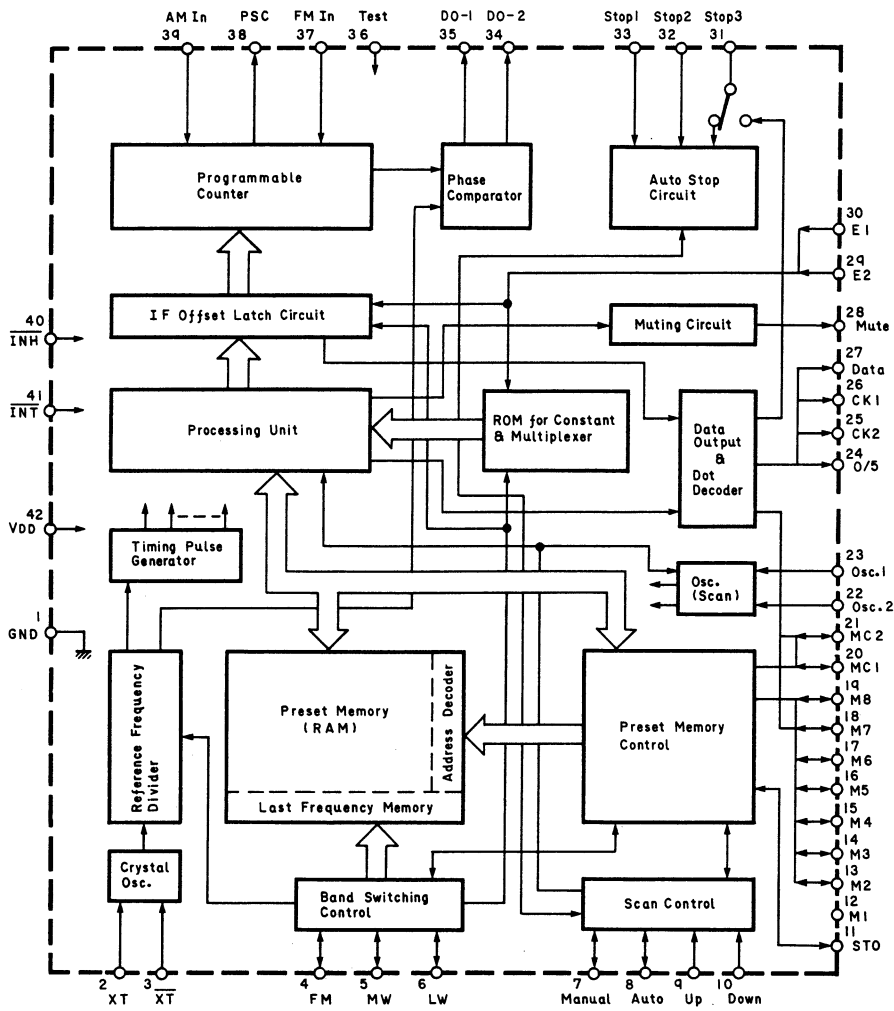


Fig. 6.1.9 FM/MW/LW 3-Band Digital Tuning (Static Method) IC TC9147BP

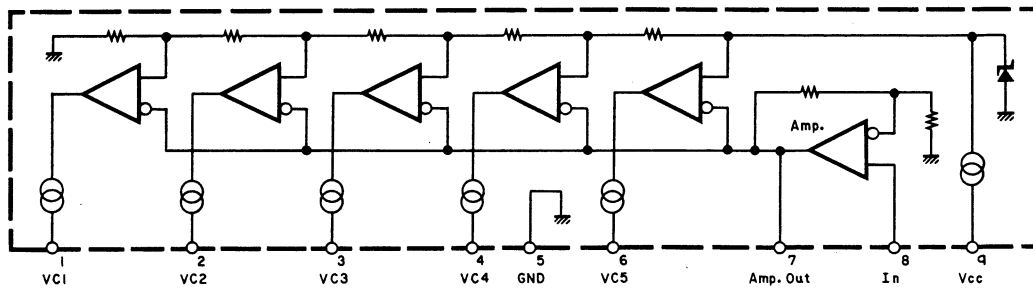


Fig. 6.1.10 Signal Meter Driver IC LB1413N

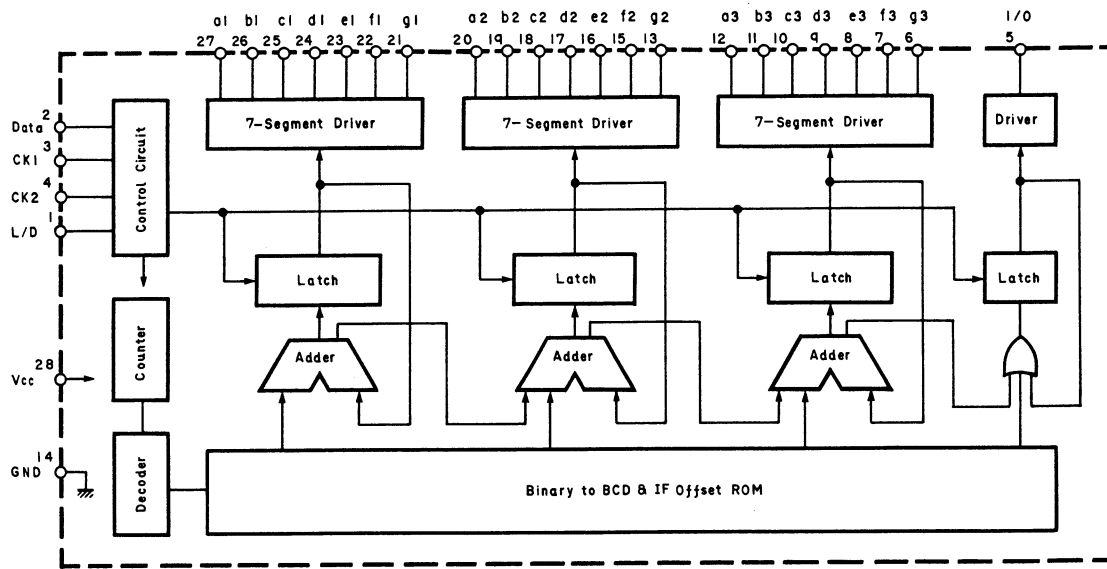


Fig. 6.1.11 Indicator Driver IC TD6301A

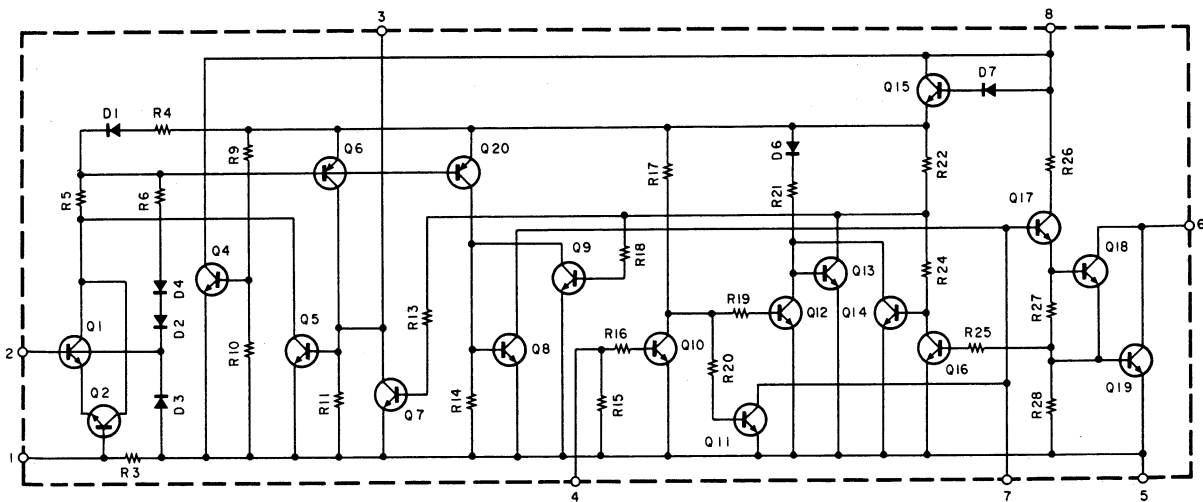


Fig. 6.1.12 Power Amp./Speaker Protector IC μ PC1237H

6.2. Schematic Diagrams
 6.2.1. Tuner and Power Supply Section
 (1) For SR-2 (Canada) & SR-2A

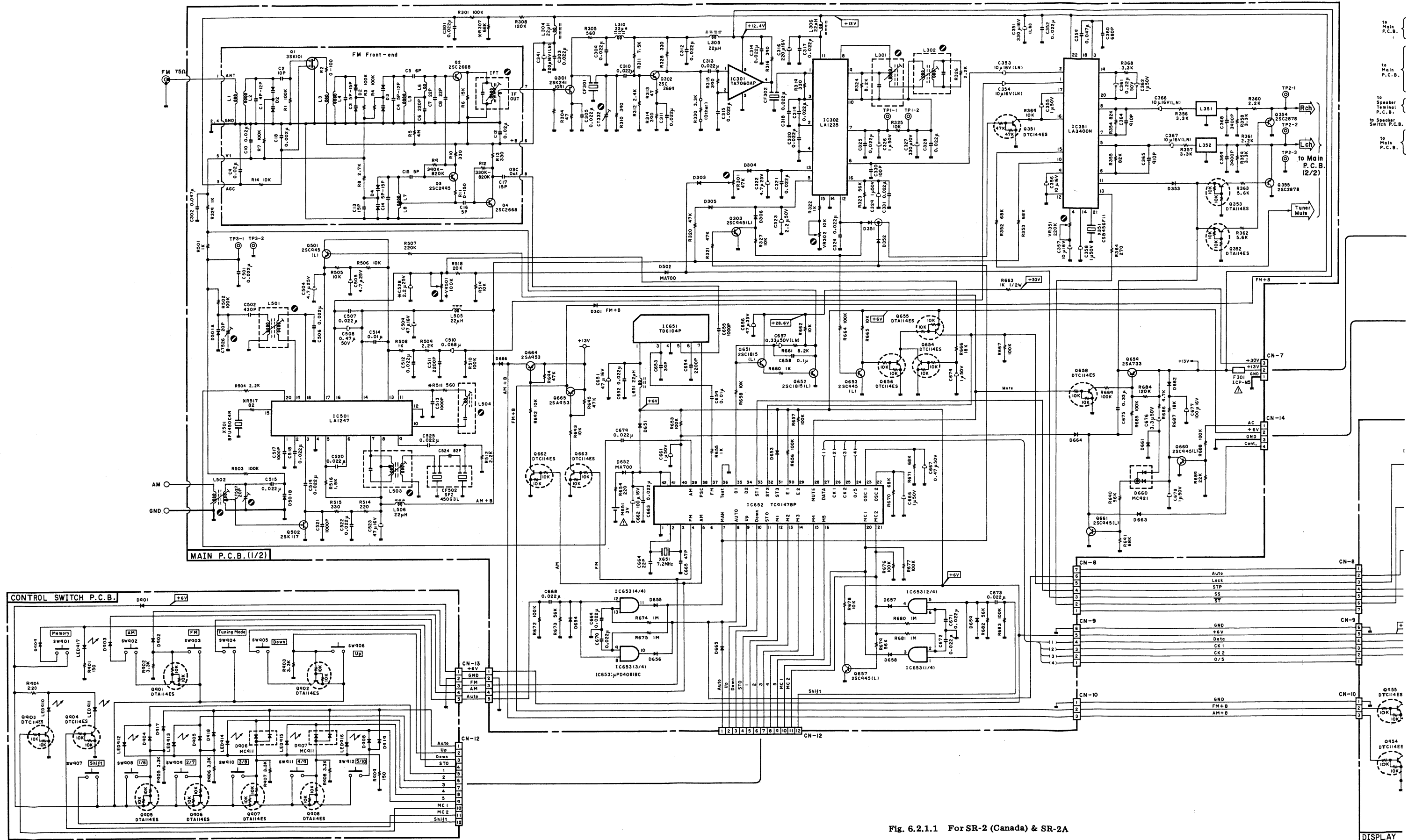


Fig. 6.2.1.1 For SR-2 (Canada) & SR-2A

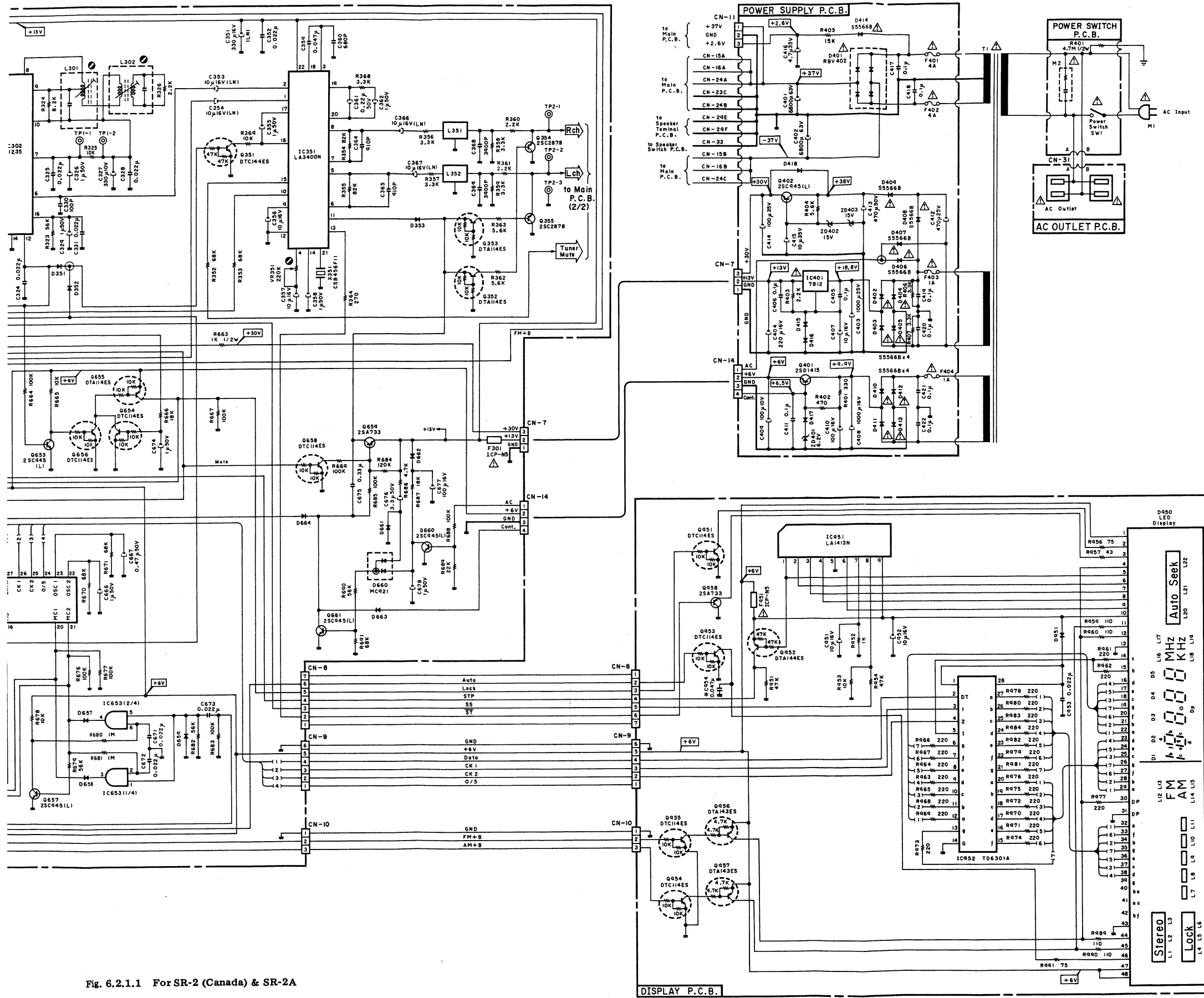



Fig. 6.2.1.1 For SR-2 (Canada) & SR-2A

WARNING:
 Parts marked with the symbol  have critical characteristics. Use ONLY replacement parts recommended by the manufacturer. It is recommended that the unit be operated from a suitable DC supply or batteries during initial check-out procedures.

CAUTION:
 Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamp, or if the resistance from chassis to either side of the power cord is less than 240 k ohms, the unit is defective. **WARNING — DO NOT** return the unit to the customer until the problem is located and corrected.

For Lithium Battery:
 Use ONLY replacement parts recommended by the manufacturer. Replacement must be done only by qualified service personnel because of risk for explosion.

- Notes: 1. Diode is 1SS53, 1S1555, or 1SS176 unless otherwise specified.
 2. Resistor and capacitor marked with * show typical value.
 3. 2SA733, 2SA608SP, 2SA1048 and 2SA1175 are interchangeable with each other.
 4. 2SC945, 2SC536SP, 2SC2458 and 2SC2785 are interchangeable with each other.

(2) For SR-2 (Australia & Other)

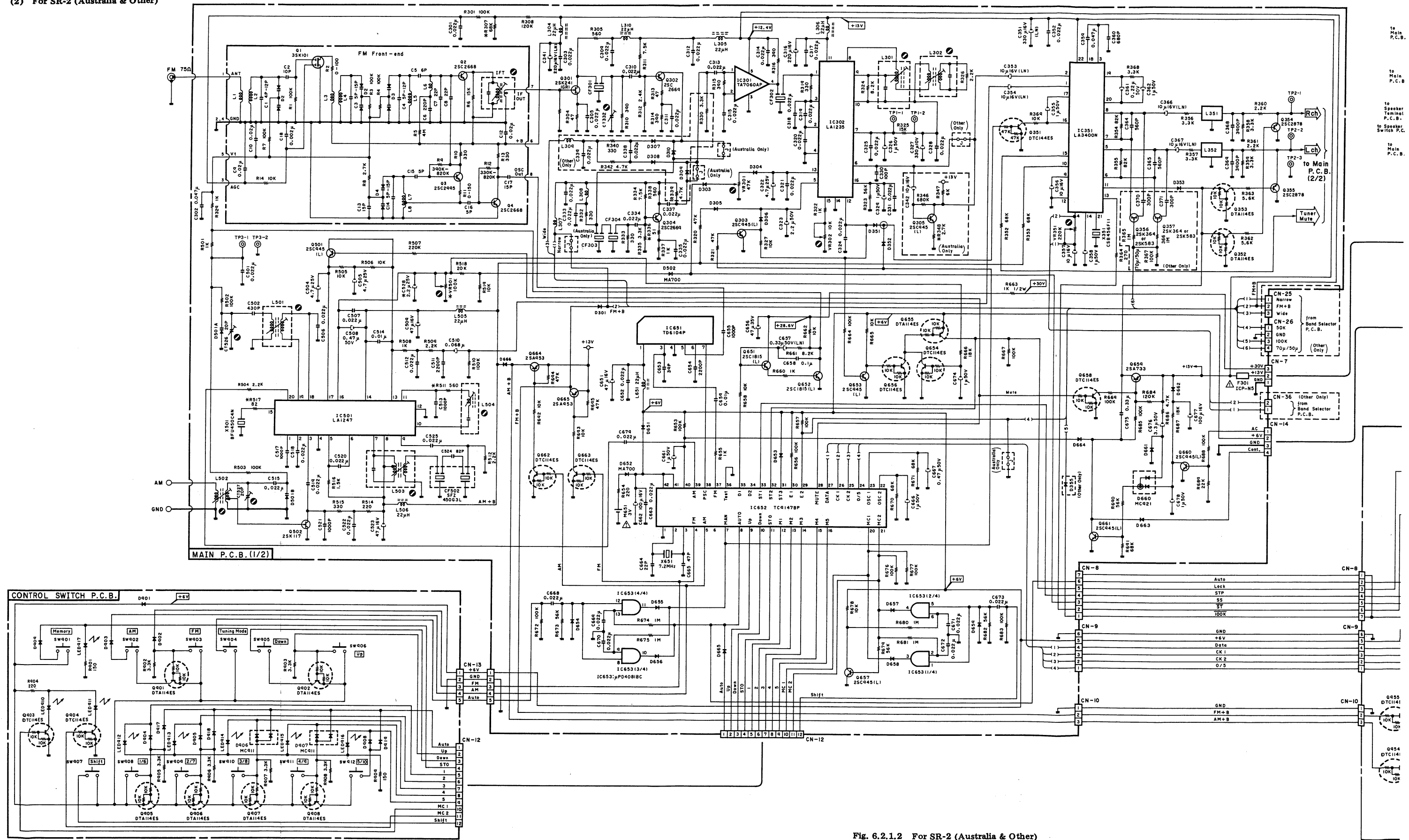


Fig. 6.2.1.2 For SR-2 (Australia & Other)

DISPLAY

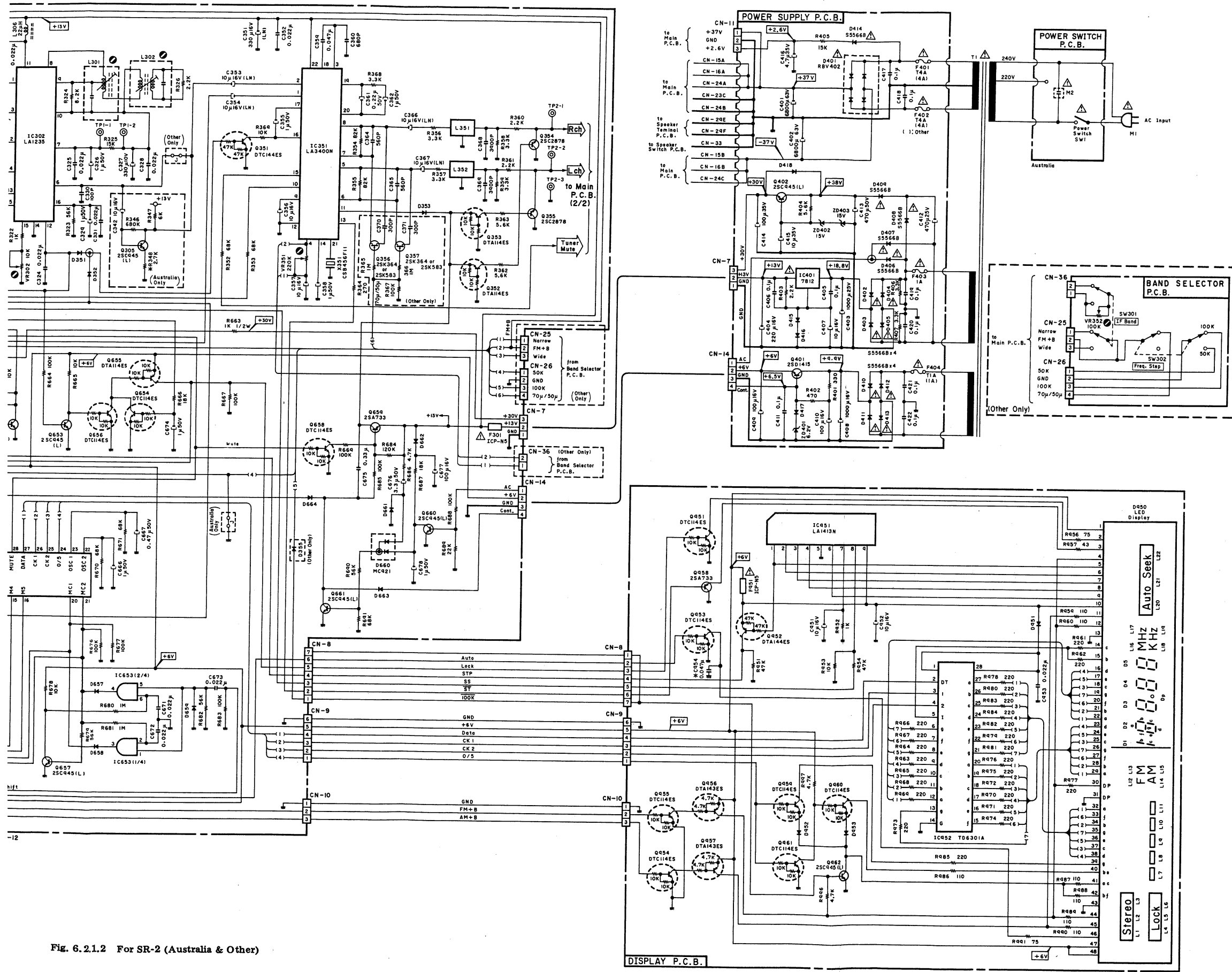



Fig. 6.2.1.2 For SR-2 (Australia & Other)

WARNING:
 Parts marked with the symbol  have critical characteristics. Use ONLY replacement parts recommended by the manufacturer. It is recommended that the unit be operated from a suitable DC supply or batteries during initial check-out procedures.

CAUTION:
 Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamp, or if the resistance from chassis to either side of the power cord is less than 240 k ohms, the unit is defective. **WARNING - DO NOT** return the unit to the customer until the problem is located and corrected.

For Lithium Battery:
 Use ONLY replacement parts recommended by the manufacturer. Replacement must be done only by qualified service personnel because of risk for explosion.

- Notes:
1. Diode is 1SS53, 1S1555, or 1SS176 unless otherwise specified.
 2. Resistor and capacitor marked with * show typical value.
 3. 2SA733, 2SA608SP, 2SA1048 and 2SA1175 are interchangeable with each other.
 4. 2SC945, 2SC536SP, 2SC2458 and 2SC2785 are interchangeable with each other.

(3) For SR-2E (Europe & Germany)

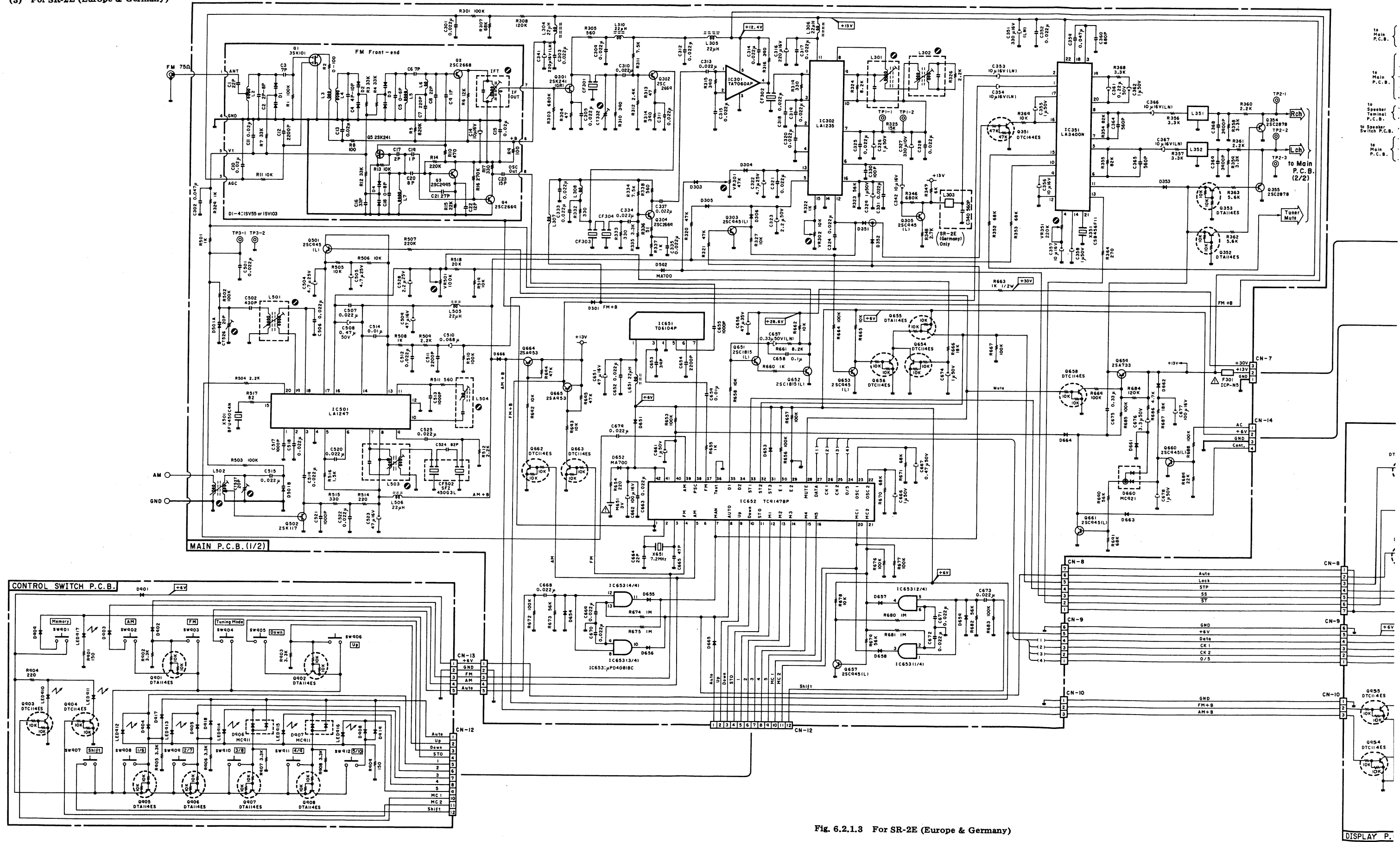


Fig. 6.2.1.3 For SR-2E (Europe & Germany)

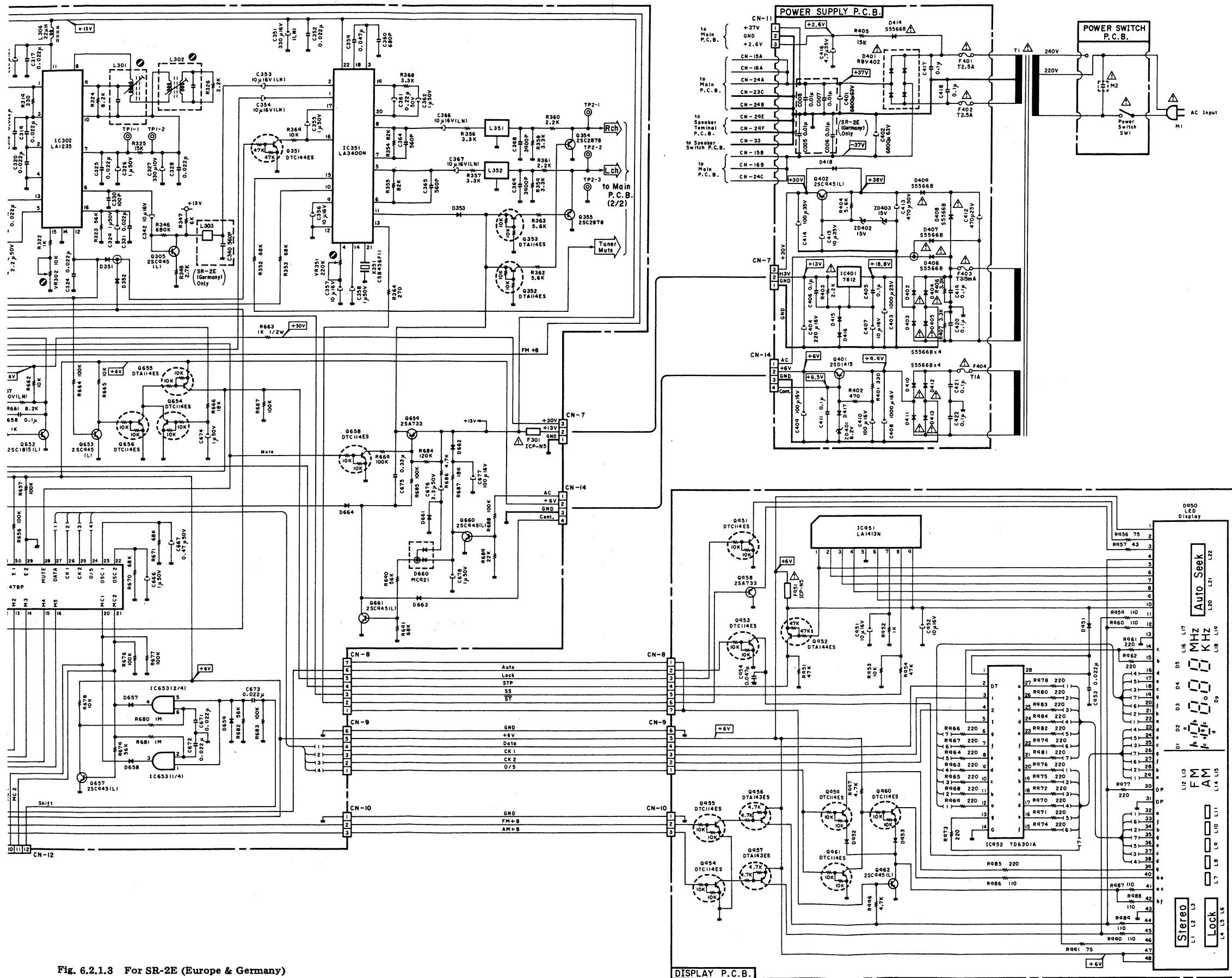



Fig. 6.2.1.3 For SR-2E (Europe & Germany)

WARNING:
 Parts marked with the symbol  have critical characteristics. Use ONLY replacement parts recommended by the manufacturer. It is recommended that the unit be operated from a suitable DC supply or batteries during initial check-out procedures.

CAUTION:
 Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamp, or if the resistance from chassis to either side of the power cord is less than 240 k ohms, the unit is defective. **WARNING — DO NOT** return the unit to the customer until the problem is located and corrected.

For Lithium Battery:
 Use ONLY replacement parts recommended by the manufacturer. Replacement must be done only by qualified service personnel because of risk for explosion.

- Notes:**
1. Diode is 1SS53, 1S1555, or 1SS176 unless otherwise specified.
 2. 2SA733, 2SA608SP, 2SA1048 and 2SA1175 are interchangeable with each other.
 3. 2SC945, 2SC536SP, 2SC2458 and 2SC2785 are interchangeable with each other.

6.2.2. Amplifier Section
(1) For SR-2 & SR-2A

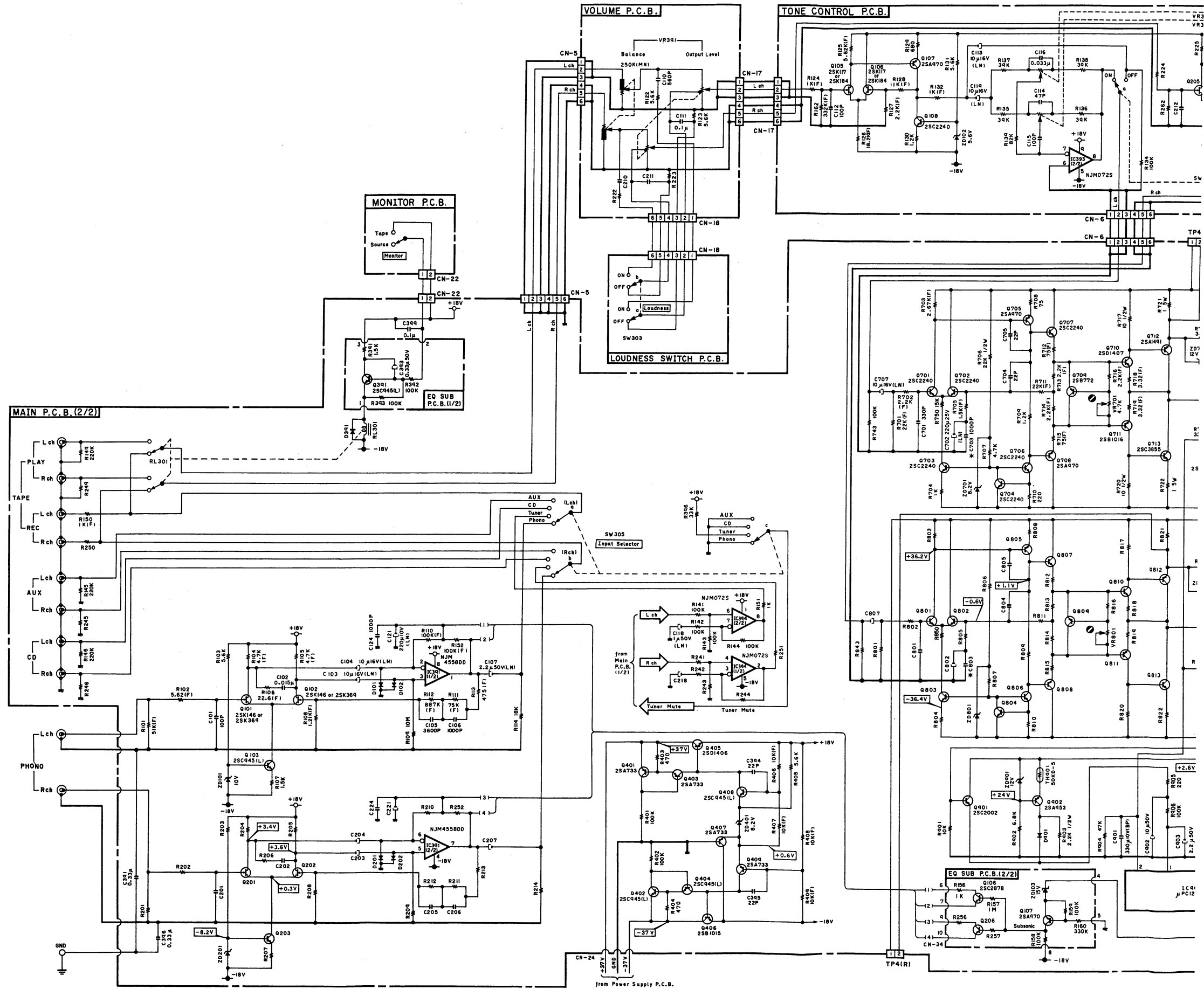
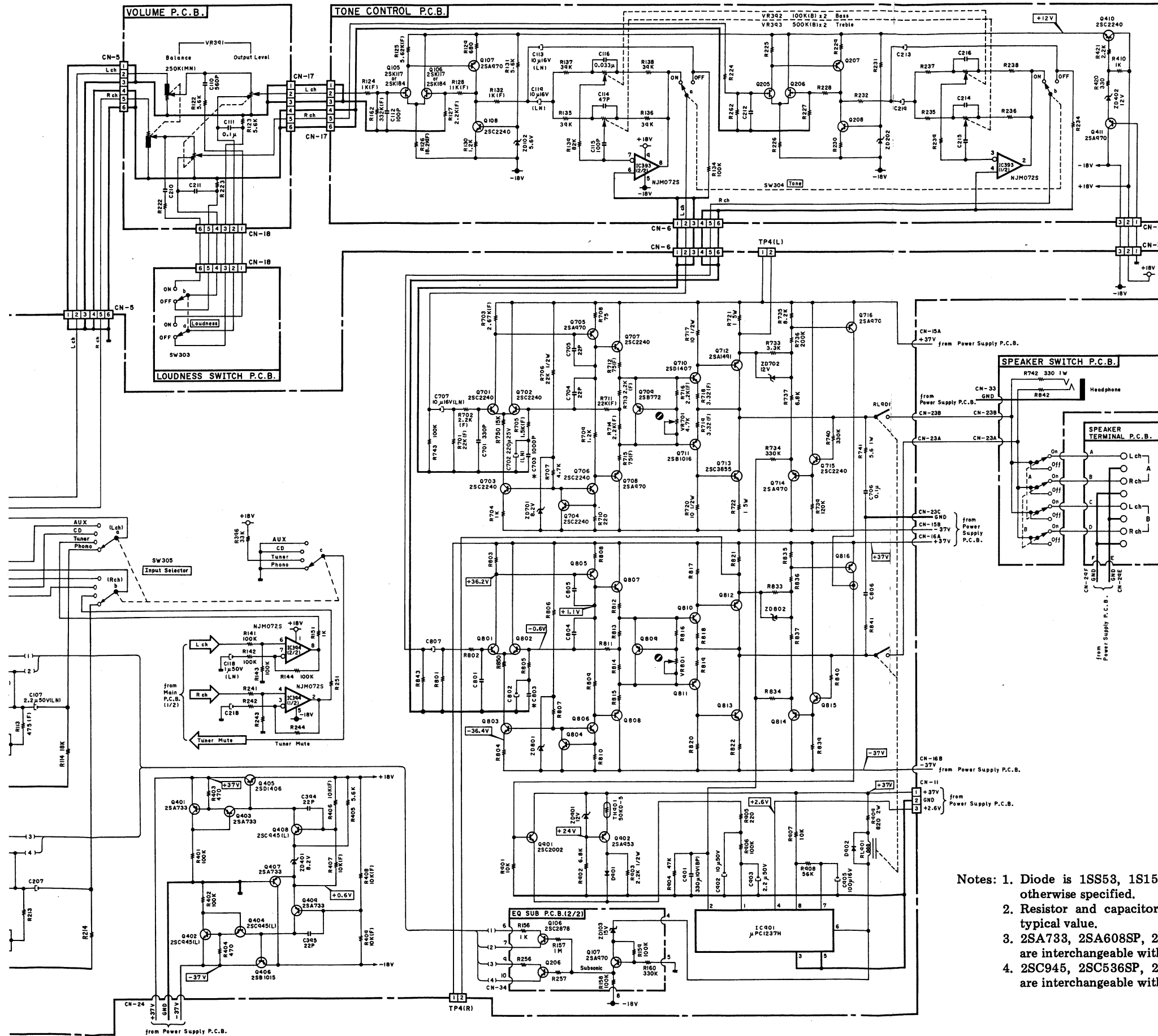
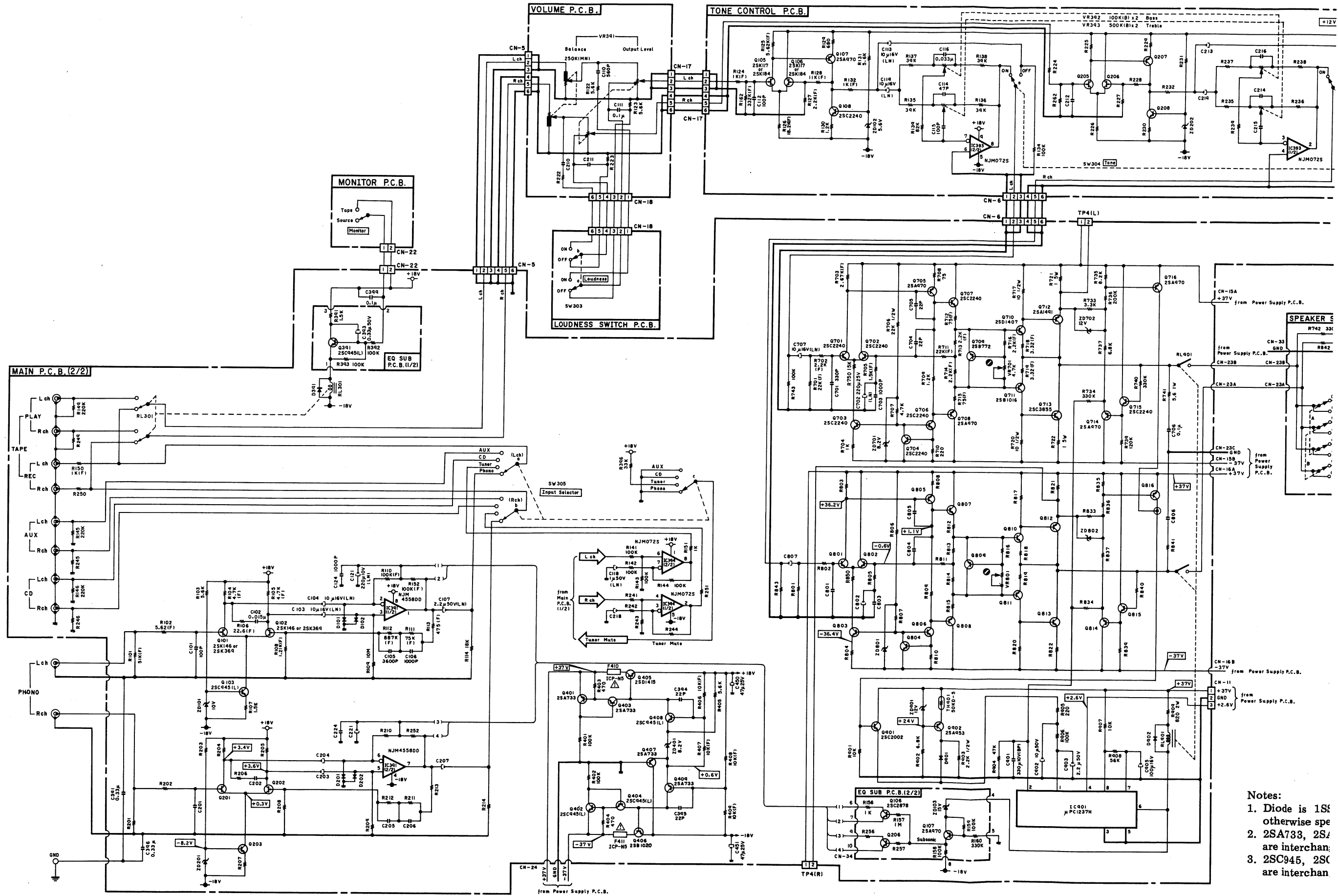


Fig. 6.2.2.1 For SR-2 & SR-2A



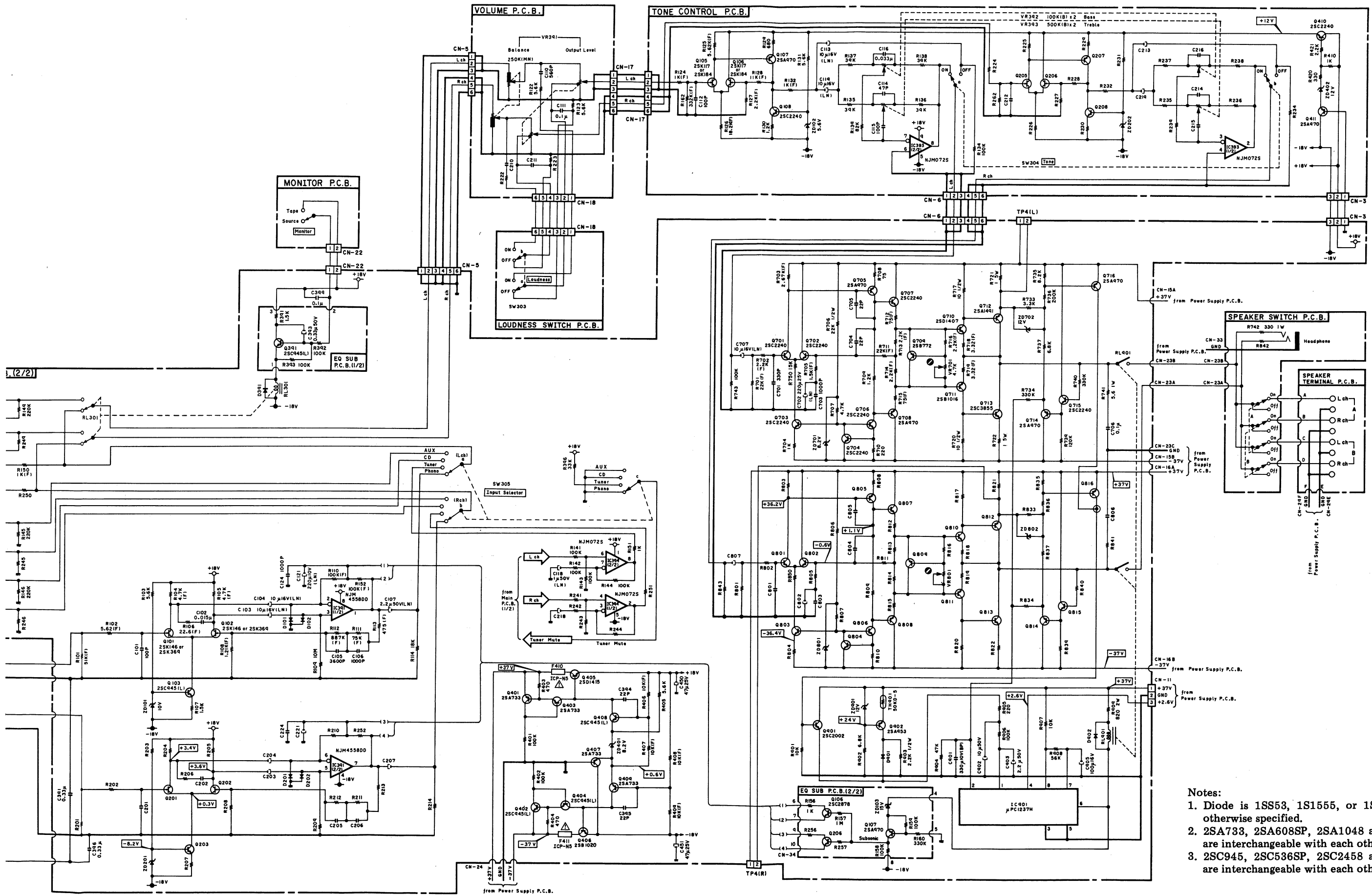
- Notes:
1. Diode is 1SS53, 1S1555, or 1SS176 unless otherwise specified.
 2. Resistor and capacitor marked with * show typical value.
 3. 2SA733, 2SA608SP, 2SA1048 and 2SA1175 are interchangeable with each other.
 4. 2SC945, 2SC536SP, 2SC2458 and 2SC2785 are interchangeable with each other.

Fig. 6.2.2.1 For SR-2 & SR-2A



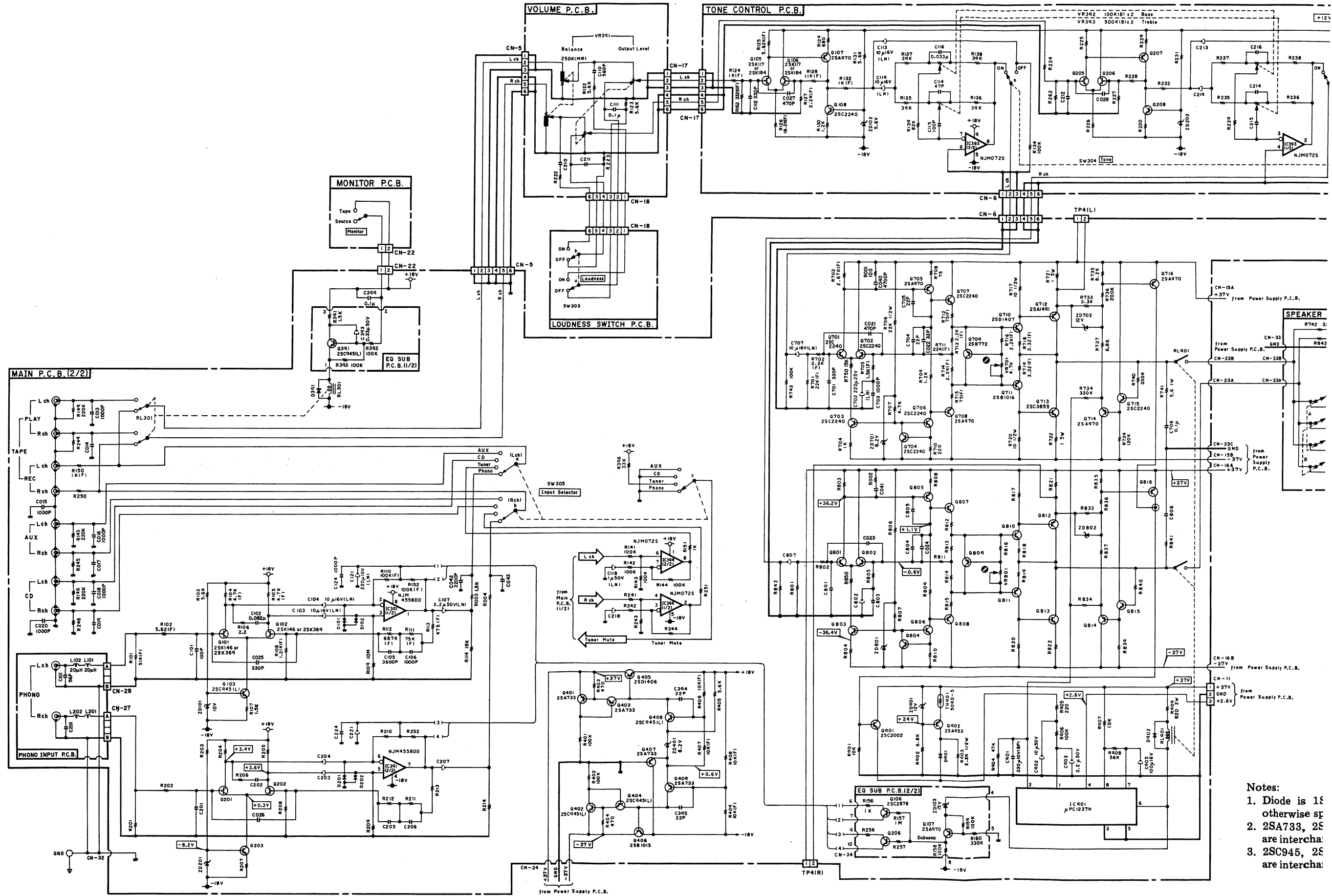
- Notes:
1. Diode is 1S8 otherwise spe
 2. 2SA733, 2S4 are interchan.
 3. 2SC945, 2SC are interchan.

Fig. 6.2.2.2 For SR-2E (Europe)



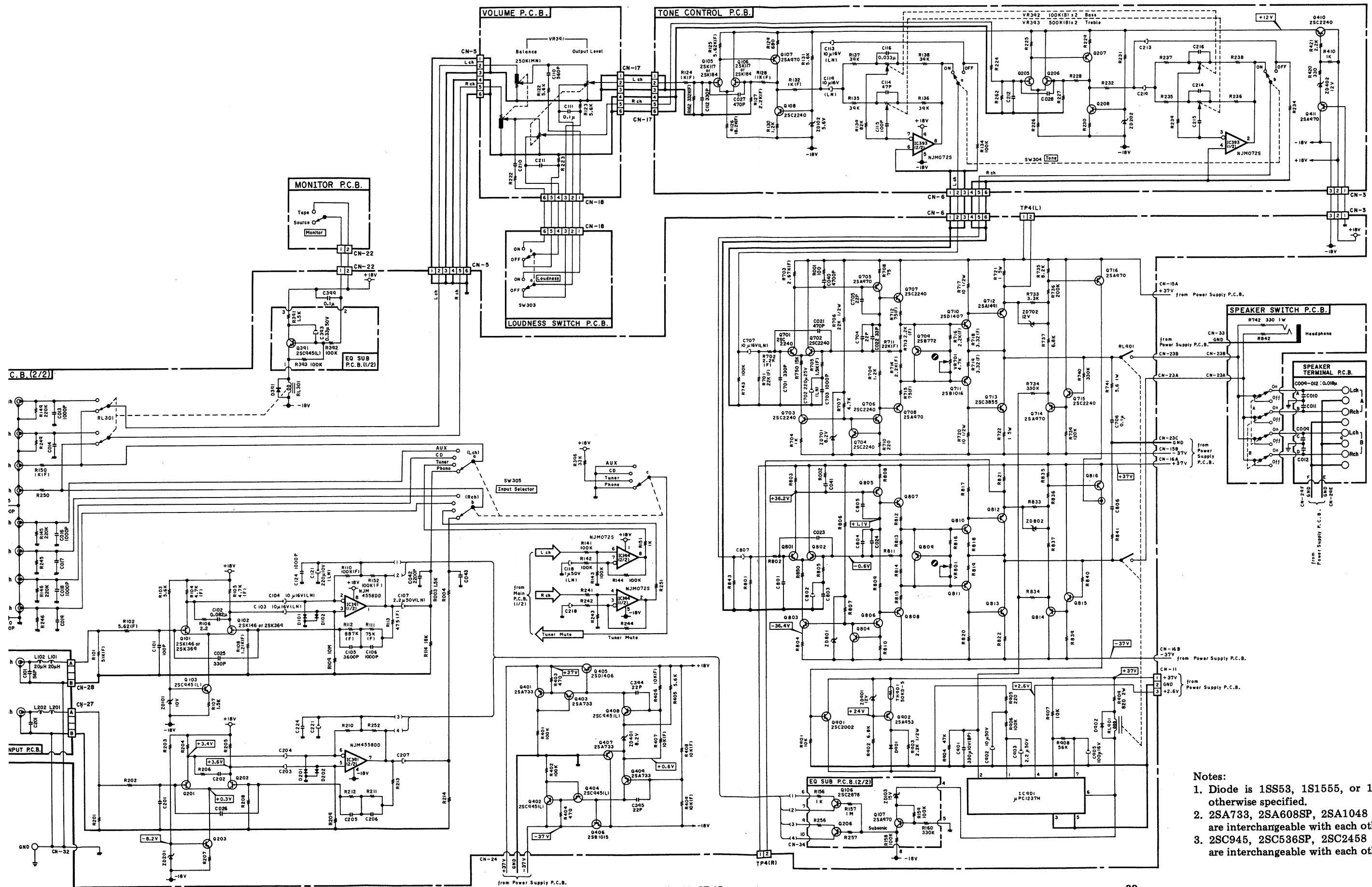
- Notes:
1. Diode is 1SS53, 1S1555, or 1SS176 unless otherwise specified.
 2. 2SA733, 2SA608SP, 2SA1048 and 2SA1175 are interchangeable with each other.
 3. 2SC945, 2SC536SP, 2SC2458 and 2SC2785 are interchangeable with each other.

Fig. 6.2.2.2 For SR-2E (Europe)



- Notes:
1. Diode is 1S otherwise 1N4148
 2. 2SA733, 2SC945 are interchangeable
 3. 2SC945, 2SA733 are interchangeable

Fig. 6.2.2.3 For SR-2E (Germany)

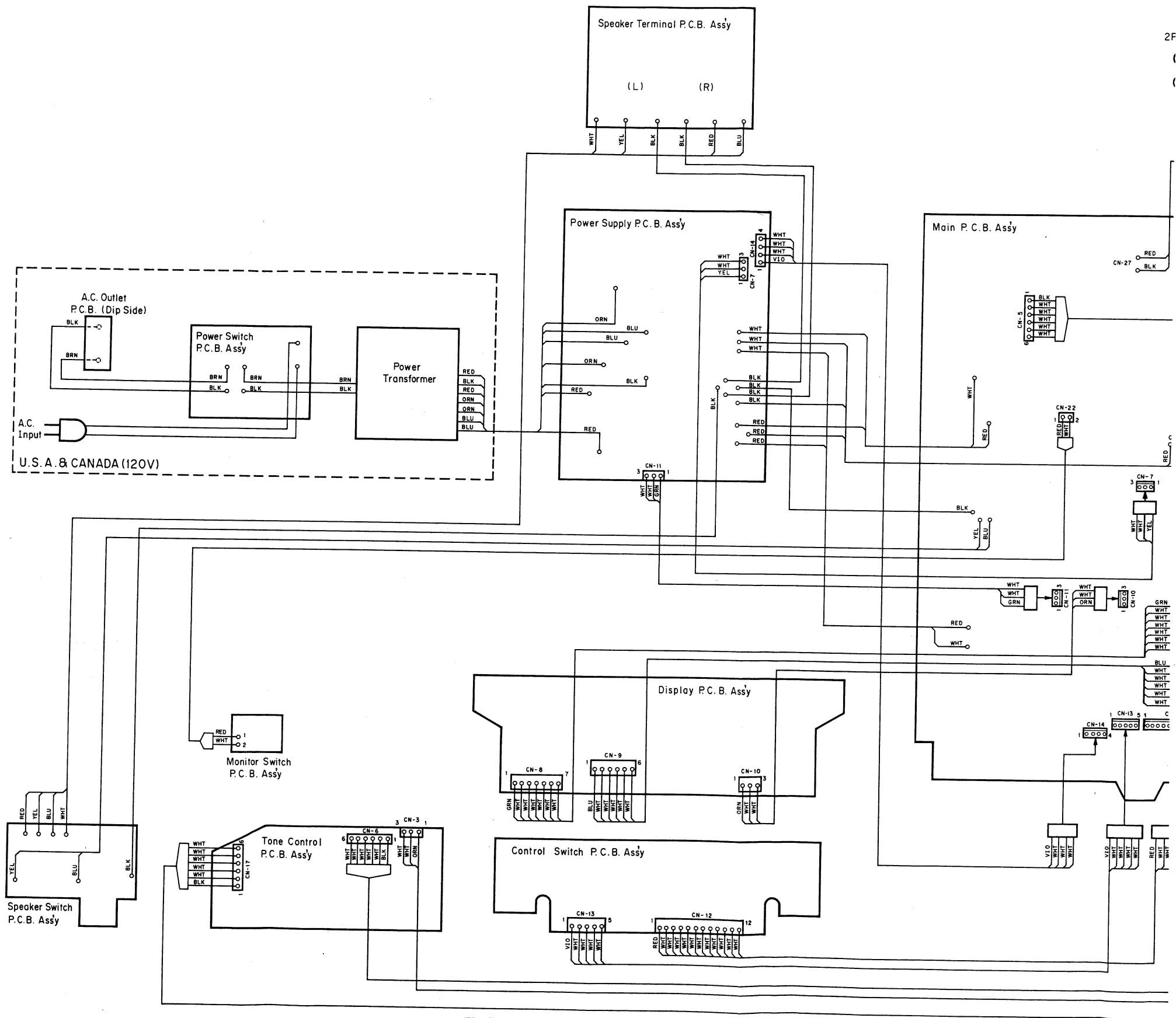
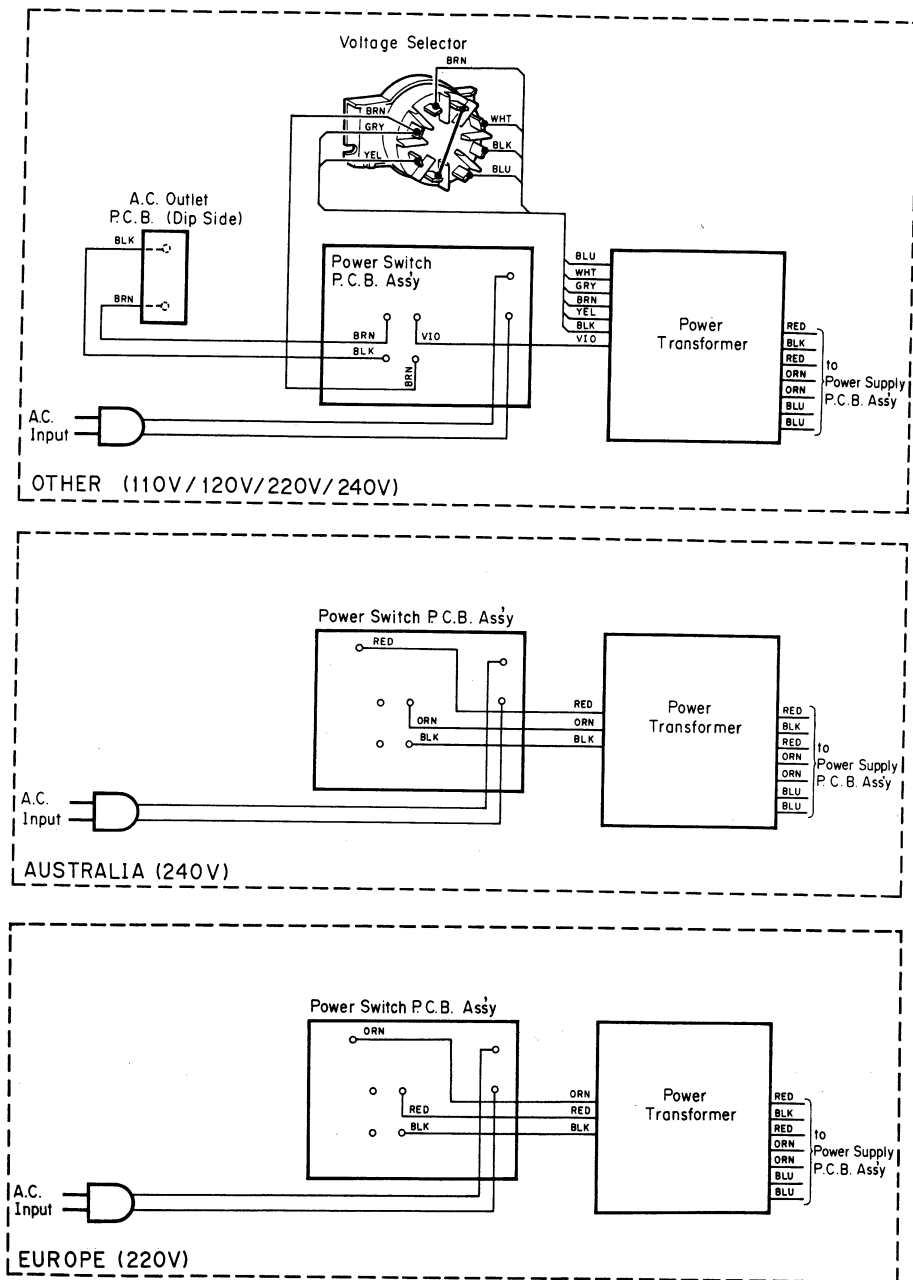


- Notes:
1. Diode is 1SS53, 1S1555, or 1SS176 unless otherwise specified.
 2. 2SA733, 2SA608SP, 2SA1048 and 2SA1175 are interchangeable with each other.
 3. 2SC945, 2SC536SP, 2SC2458 and 2SC2785 are interchangeable with each other.

Fig. 6.2.2.3 For SR-2E (Germany)

7. WIRING DIAGRAMS

(1) For SR-2, SR-2A & SR-2E (Europe)



Notes: 1. Table of wire colors

- | | |
|--------------|--------------|
| BRN — Brown | BLU — Blue |
| RED — Red | VIO — Violet |
| ORN — Orange | GRY — Gray |
| YEL — Yellow | WHT — White |
| GRN — Green | BLK — Black |

2. Component side view of the P.C.B. is illustrated unless otherwise specified.
 3. CN-36 on the Main P.C.B. Ass'y and the Band Selector P.C.B. Ass'y are not mounted for the former Models.

Fig. 7.1 For SR-2, SR-2A & SR-2E (Europe)

(2) For SR-2E (Germany)

- Notes: 1. Table of wire colors
- | | |
|--------------|--------------|
| BRN — Brown | BLU — Blue |
| RED — Red | VIO — Violet |
| ORN — Orange | GRY — Gray |
| YEL — Yellow | WHT — White |
| GRN — Green | BLK — Black |

2. Component side view of the P.C.B. is illustrated unless otherwise specified.

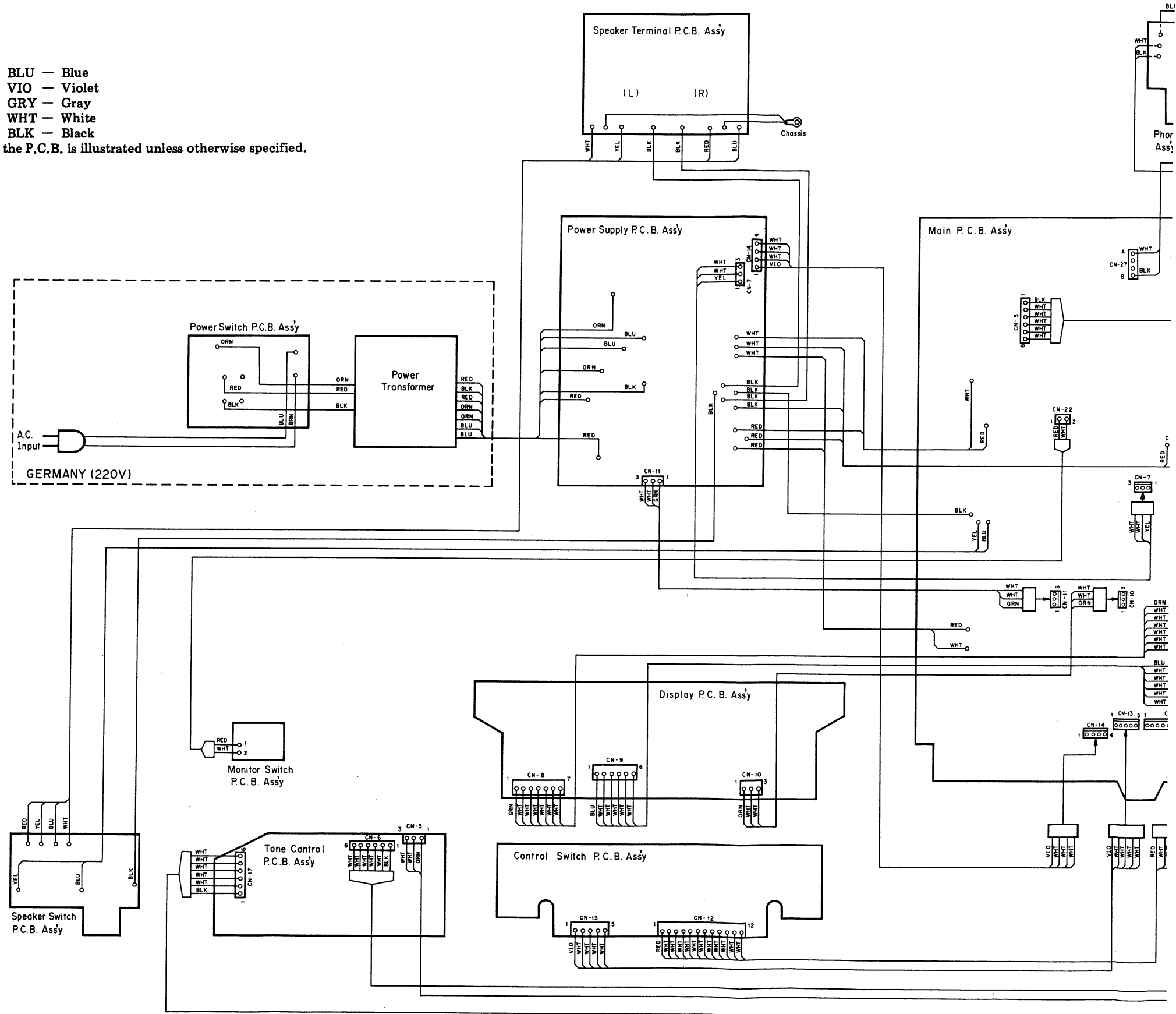


Fig. 7.2 For SR-2E (Germany)

2) For SR-2E (Germany)

Notes: 1. Table of wire colors

BRN — Brown	BLU — Blue
RED — Red	VIO — Violet
ORN — Orange	GRY — Gray
YEL — Yellow	WHT — White
GRN — Green	BLK — Black

2. Component side view of the P.C.B. is illustrated unless otherwise specified.

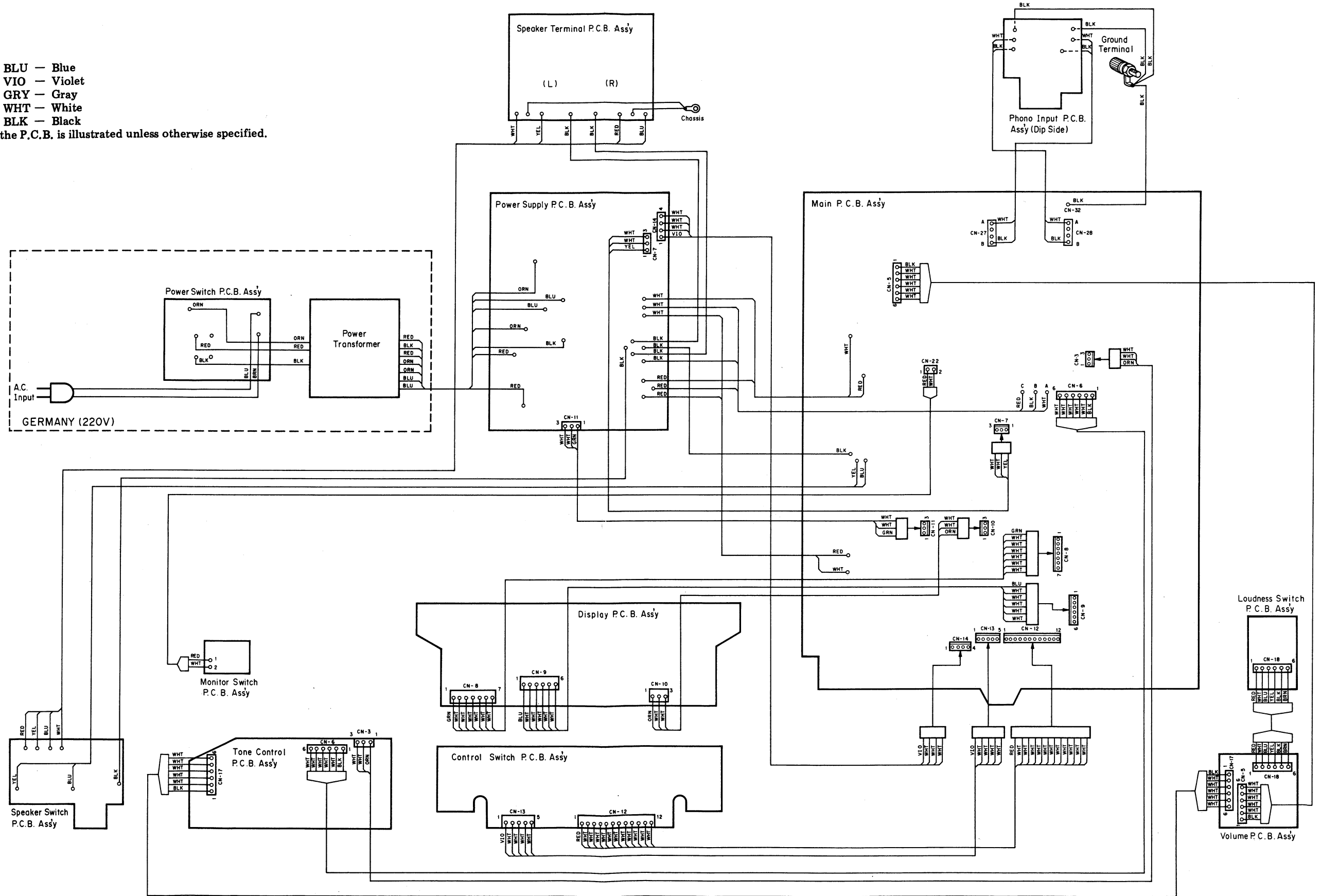


Fig. 7.2 For SR-2E (Germany)

9. SPECIFICATIONS

9.1. For SR-2 & SR-2A

Power Amplifier Section

Note: Unless otherwise noted specifications are in accordance with IHF-A-202 measured from any high-level input (CD/AUX/TAPE) to the speaker output.

Continuous Average Output Power . . . 30 watts per channel into 8 ohms, both channels driven, 20–20,000 Hz at no greater than 0.1% THD
Dynamic Output Power 45 watts per channel into 8 ohms
55 watts per channel into 4 ohms
Dynamic Head Room (8 ohms) . . . 1.7 dB
Power Bandwidth 5–40,000 Hz
Frequency Response 20–20,000 Hz; +0, –0.5 dB
5–75,000 Hz; +0, –3 dB
Signal to Noise Ratio Better than 105 dB re Rated Power
(A-WTD, Input Shorted) Better than 85 dB (IHF-A-202)
Total Harmonic Distortion Less than 0.1%
(8 ohms, Rated Power,
20 Hz–20 kHz)
Intermodulation Distortion Less than 0.15%
(8 ohms, Rated Power,
60 Hz:7 kHz, 4:1)
Headphone Rated Output 70 mW
(40 ohms)
Output Current Capability 14A peak per channel

Preamplifier Section

Note: Unless otherwise noted, specifications are in accordance with IHF-A-202. Except for Sensitivity, S/N, Tone and Loudness characteristics (which are measured to the speaker outputs), measurements are made from the specified input to Rec. Out.

Sensitivity: (for rated Output)

Phono MM 2.5 mV
CD/Tape 200 mV

Sensitivity: (for 1-watt output per IHF-A-202)

Phono MM 0.46 mV
CD/Tape 36.5 mV

Input Impedance

Phono MM 47 kohms
CD/Tape 22 kohms

Maximum Input Level (1 kHz)

Phono MM 140 mV

Record Output Level/ 200 mV/1 kohms

Impedance

Total Harmonic Distortion (1 kHz, to Rec Out, at 1 V)

Phono MM Less than 0.002%

RIAA Deviation

Phono MM 30–20,000 Hz ±0.5 dB

Signal to Noise Ratio (to speaker output per IHF-A-202)

Phono MM Better than 80 dB

Tone Controls

Bass 20 Hz, ±10 dB

Treble 20 kHz, ±10 dB

Loudness (Volume: –30 dB) 20 Hz, +10 dB; 20 kHz, +6 dB

Tuner Section

(1) SR-2 (Canada & Other (see Note)) & SR-2A

Note: Selector switch settings for Other Model

Frequency Step FM/AM: 100 kHz/10 kHz, De-emphasis: 75 μ s,
IF Band: Wide

[FM Section]

Note: All RF levels in microvolts given re 300-ohm antenna input. Modulation: Mono 100%, Stereo Pilot 9%, Stereo Audio Signal 91%. All measurements made at Rec. Out jack.

Frequency Range 87.5–108.0 MHz in 100 kHz steps

IHF Usable Sensitivity 11 dBf/1.9 μ V

(Mono)

50-dB Quieting Sensitivity

Mono 14.7 dBf/3.0 μ V

Stereo 37.5 dBf/41.1 μ V

Signal to Noise Ratio at 65 dBf

Mono Better than 79 dB

Stereo Better than 74 dB

Muting Threshold 30 dBf/17.3 μ V

Frequency Response 20–15,000 Hz ±1 dB

Total Harmonic Distortion (1 kHz)

Mono Less than 0.05%

Stereo Less than 0.07%

Capture Ratio 2.0 dB

Alternate Channel Selectivity 55 dB (±400 kHz)

Stereo Separation at 100 Hz Better than 46 dB

at 1 kHz Better than 50 dB

at 10 kHz Better than 46 dB

Spurious Response Rejection Better than 90 dB

Image Rejection Better than 75 dB

IF Rejection Better than 80 dB

AM Suppression Better than 60 dB

[AM Section]

Note: Modulation – 400 Hz, 30%

Frequency Range 520–1,710 kHz in 10 kHz steps

Sensitivity 53 dB μ /m

Signal to Noise Ratio at 90 Better than 52 dB

dB μ /m

Total Harmonic Distortion Less than 0.3%

at 90 dB μ /m

Selectivity Better than 20 dB (±10 kHz)

(2) SR-2 (Australia & Other (see Note))

Note: Selector switch settings for Other Model
Frequency Step FM/AM: 50 kHz/9 kHz, De-emphasis: 50 μ s,
IF Band: Narrow

[FM Section]

Note: All RF levels in microvolts given re 300-ohm antenna input. Modulation: Mono 60%, Stereo Pilot 9%, Stereo Audio Signal 51%. All measurements made at Rec Out jack.

Frequency Range 87.50—108.00 MHz in 50 kHz steps
IHF Usable Sensitivity (Mono) . 11 dBf/1.9 μ V
50-dB Quieting Sensitivity
 Mono 21.0 dBf/6.1 μ V
 Stereo 42.0 dBf/69.0 μ V
Signal to Noise Ratio at 65 dBf
 Mono Better than 74 dB
 Stereo Better than 69 dB
Muting Threshold 30 dBf/17.3 μ V
Frequency Response 20—15,000 Hz \pm 1 dB
Total Harmonic Distortion (1 kHz)
 Mono Less than 0.12% (for Australia), Less than 0.15% (for Other)
 Stereo Less than 0.20% (for Australia), Less than 0.25% (for Other)
Capture Ratio 2.0 dB
Alternate Channel Selectivity . . 70 dB (\pm 300 kHz)
Stereo Separation at 100 Hz . . . Better than 43 dB
 at 1 kHz Better than 43 dB
 at 10 kHz Better than 37 dB
Spurious Response Rejection . . . Better than 90 dB
Image Rejection Better than 75 dB
IF Rejection Better than 80 dB
AM Suppression Better than 60 dB

[AM Section]

Note: Modulation: 400 Hz, 30%

Frequency Range 522—1,611 kHz in 9 kHz steps
Sensitivity 53 dB μ /m
Signal to Noise Ratio at 90 Better than 52 dB
dB μ /m
Total Harmonic Distortion Less than 0.3%
at 90 dB μ /m
Selectivity Better than 20 dB (\pm 9 kHz)

General

Power Source 120, 240 or 110/120/220/240 V AC, 50/60 Hz (According to country of sale)
Power Consumption 190 watts max.
Convenience Outlets Switched: 2 (For U.S.A., Canada & Other only)
Dimensions 430 (W) x 100 (H) x 370 (D) mm
 16-15/16 (W) x 3-15/16 (H) x 14-9/16 (D) inches
Approximate Weight 7.5 kg, 16 lbs. 9 oz.

9.2. For SR-2E (Europe & Germany)

Power Amplifier Section

Note: Unless otherwise noted specifications are in accordance with IHF-A-202 measured from any high-level input (CD/AUX/TAPE) to the speaker output.

- Continuous Average Output . . . 30 watts per channel into 8 ohms, both channels driven, 20—20,000 Hz at no greater Power than 0.1% THD
- Dynamic Output Power 45 watts per channel into 8 ohms
55 watts per channel into 4 ohms
- Dynamic Head Room (8 ohms) . . 1.7 dB
- Power Bandwidth 5—30,000 Hz
- Frequency Response 20—20,000 Hz; +0, -1 dB
5—45,000 Hz; +0, -3 dB
- Signal to Noise Ratio Better than 105 dB re Rated Power
(A-WTD, Input Shorted) Better than 85 dB (IHF-A-202)
- Total Harmonic Distortion Less than 0.1%
(8 ohms, Rated Power,
20 Hz—20 kHz)
- Intermodulation Distortion Less than 0.15%
(8 ohms, Rated Power,
60 Hz:7 kHz, 4:1)
- Headphone Rated Output 70 mW
(40 ohms)
- Output Current Capability 14A peak per channel

Preamplifier Section

Note: Unless otherwise noted, specifications are in accordance with IHF-A-202. Except for Sensitivity, S/N, Tone and Loudness characteristics (which are measured to the speaker outputs), measurements are made from the specified input to Rec. Out.

- Sensitivity: (for rated Output)
 - Phono MM 2.5 mV
 - CD/Tape 200 mV
- Sensitivity: (for 1-watt output per IHF-A-202)
 - Phono MM 0.46 mV
 - CD/Tape 36.5 mV
- Input Impedance
 - Phono MM 47 kohms
 - CD/Tape 20 kohms
- Maximum Input Level (1 kHz)
 - Phono MM 140 mV
- Record Output Level/ 200 mV/1 kohms
- Impedance
- Total Harmonic Distortion (1 kHz, to Rec Out, at 1 V)
 - Phono MM Less than 0.002%
- RIAA Deviation
 - Phono MM 30—20,000 Hz ±0.5 dB
- Signal to Noise Ratio (to speaker output per IHF-A-202)
 - Phono MM Better than 78 dB
- Tone Controls
 - Bass 20 Hz, ±10 dB
 - Treble 20 kHz, ±10 dB
- Loudness (Volume: -30 dB) . . 20 Hz, +10 dB; 20 kHz, +6 dB

Tuner Section

[FM Section]

Note: All RF levels in microvolts given re 300-ohm antenna input. Modulation: Mono 60%, Stereo Pilot 9%, Stereo Audio Signal 51%. All measurements made at Rec Out jack.

- Frequency Range 87.50—108.00 MHz in 50 kHz steps
- IHF Usable Sensitivity (Mono) . 11 dBf/1.9 μV
- 50-dB Quieting Sensitivity
 - Mono 23.0 dBf/7.7 μV
 - Stereo 43.0 dBf/77.4 μV

Signal to Noise Ratio at 65 dBf

Mono Better than 72 dB
Stereo Better than 67 dB
Muting Threshold 30 dBf/17.3 μ V
Frequency Response 20—15,000 Hz \pm 1 dB
Total Harmonic Distortion (1 kHz)
Mono Less than 0.20%
Stereo Less than 0.25%
Capture Ratio 2.0 dB
Alternate Channel Selectivity . . 70 dB (\pm 300 kHz)
Stereo Separation at 100 Hz . . . Better than 43 dB
 at 1 kHz Better than 43 dB
 at 10 kHz Better than 27 dB
Spurious Response Rejection . . . Better than 90 dB
Image Rejection Better than 75 dB
IF Rejection Better than 80 dB
AM Suppression Better than 60 dB

[AM Section]

Note: Modulation: 400 Hz, 30%

Frequency Range 522—1,611 kHz in 9 kHz steps
Sensitivity 53 dB μ /m
Signal to Noise Ratio at 90 Better than 52 dB
dB μ /m
Total Harmonic Distortion Less than 0.3%
at 90 dB μ /m
Selectivity Better than 20 dB (\pm 9 kHz)

General

Power Source 220 V AC, 50/60 Hz
Power Consumption 190 watts max.
Dimensions 430 (W) x 100 (H) x 370 (D) mm
 16-15/16 (W) x 3-15/16 (H) x 14-9/16 (D) inches
Approximate Weight 7.5 kg, 16 lbs. 9 oz.

- Specifications and design are subject to change for further improvement without notice.
- STASIS manufactured under license from Threshold Corporation.
- STASIS is a trademark of Threshold Corporation.

Service Manual

Nakamichi SR-2, SR-2A, SR-2E

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