

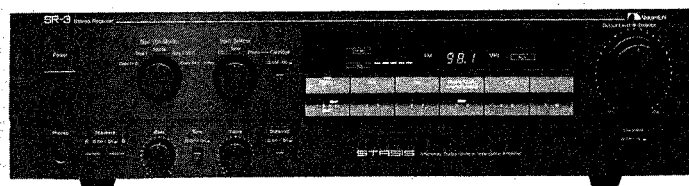


Service Manual

Nakamichi

SR-3 SR-3A SR-3E

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-3.
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	FA03548A	Package Ass'y (SR-3 (Canada))	1	01	0B90070A	AM Loop Antenna Holder	1
	FA03550A	Package Ass'y (SR-3 (Australia))	1	02	0B90081A	Feeder Antenna	1
	FA03549A	Package Ass'y (SR-3 (Other))	1	03	0B90194A	Antenna Adapter F (SR-3 & SR-3A)	1
	FA03547A	Package Ass'y (SR-3A)	1	04	0B90208A	Antenna Adapter EP (SR-3E)	1
	FA03569A	Package Ass'y (SR-3E (Europe & Germany))	1		0B90198A	AM Loop Antenna	1
	OF03988A	Carton Box (SR-3)	1		0D03092B	Poly-Bag 320x340x0.08	1
	OF03987A	Carton Box (SR-3A)	1		0D04449A	Important Notice Card	1
	OF03990B	Carton Box (SR-3E)	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
02	OF03984B	Packing L	1	—	0D04674B	Owner's Manual Text (SR-4/3/2 (Australia))	1
03	OF03991A	Packing R	1	—	0D04675B	Owner's Manual Text (SR-4/3/2 (Other))	1
04	OF03670A	Poly-Sheet	1	—	DA03873A	Warranty Card Ass'y (SR-3A)	1
—	OM03456A	Voltage Seal 220V (SR-3 (Other))	2	—	0D04766A	Catalogue (SR-3A)	1
—	OM03457A	Voltage Seal 240V (SR-3 (Australia))	2	—	0D04767A	Warranty Card (SR-3 (Canada))	1
	DA03991A	Accessory Ass'y (SR-3 (Canada))	1				
	DA03992A	Accessory Ass'y (SR-3 (Australia))	1				
	DA04009A	Accessory Ass'y (SR-3 (Other))	1				
	DA03990A	Accessory Ass'y (SR-3A)	1				
	DA03996A	Accessory Ass'y (SR-3E (Europe))	1				
	DA04055A	Accessory Ass'y (SR-3E (Germany))	1				

1.2. Package Ass'y and Parts List

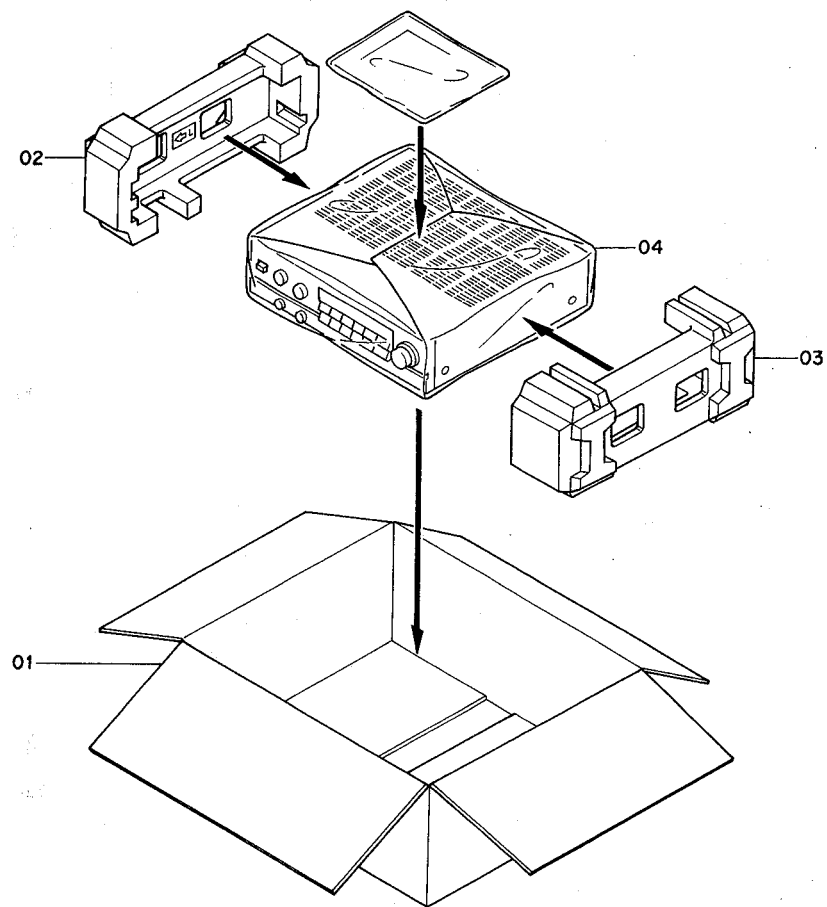


Fig. 1.1

1.3. Accessory Ass'y and Parts List

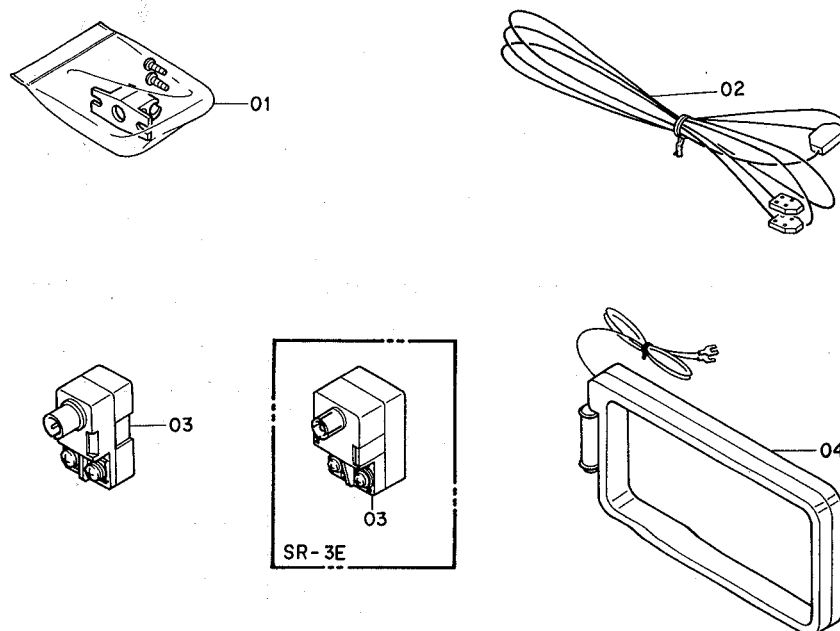


Fig. 1.2

2. PARTS LOCATION FOR ELECTRICAL ADJUSTMENT

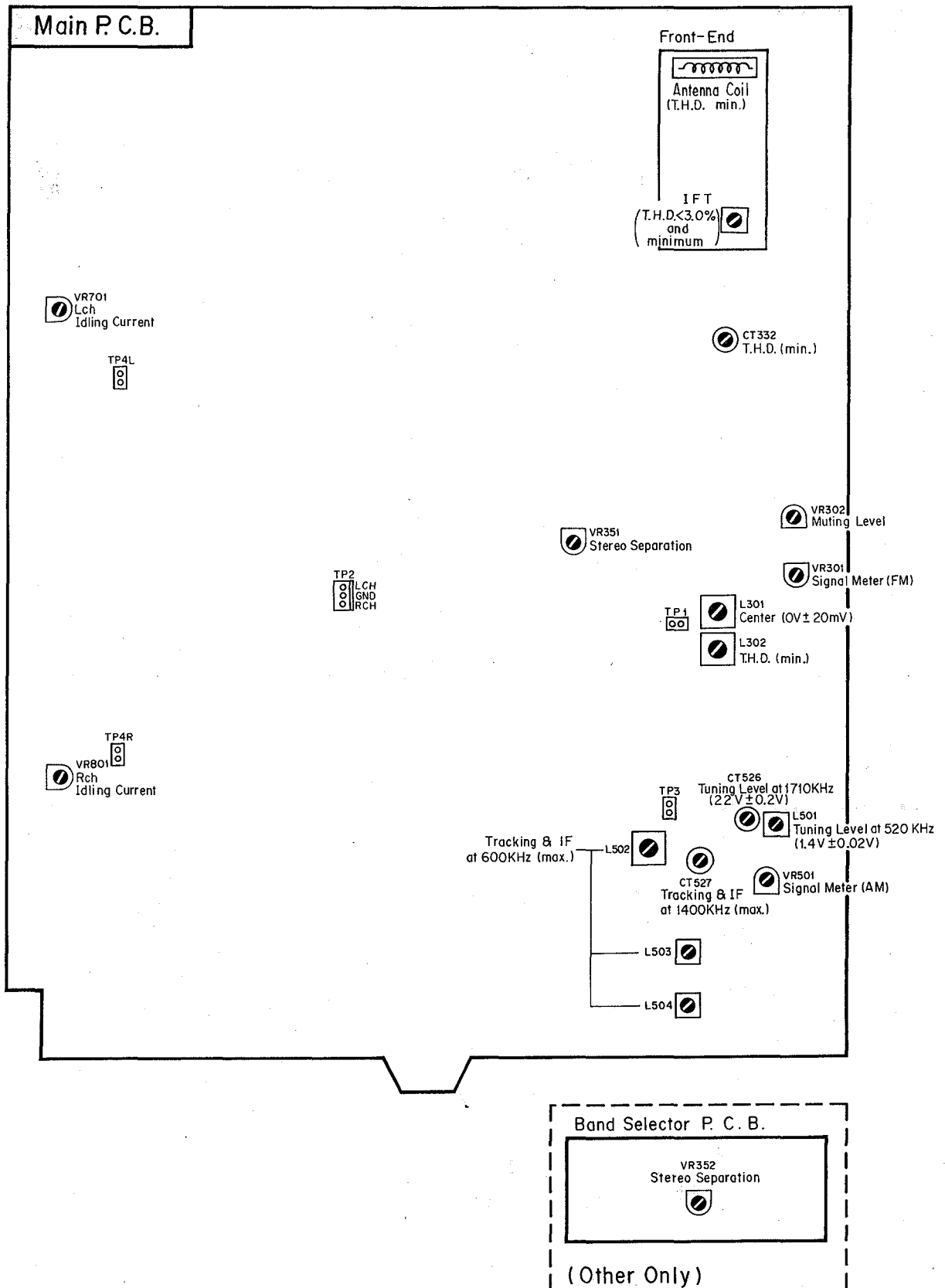


Fig. 2

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	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		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. Note: Contents of modulation 1. For U.S.A., Canada & Other (Wide) o Stereo Audio: 1 kHz, 91% Pilot: 19 kHz, 9% o Mono Audio: 1 kHz, 100% 2. For Europe, Germany, Australia & Other (Narrow) o Stereo Audio: 1 kHz, 51% Pilot: 19 kHz, 9% o Mono Audio: 1 kHz, 60%
2	Usable Sensitivity Adjustment	Distortion Meter to Tape 1 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)	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.

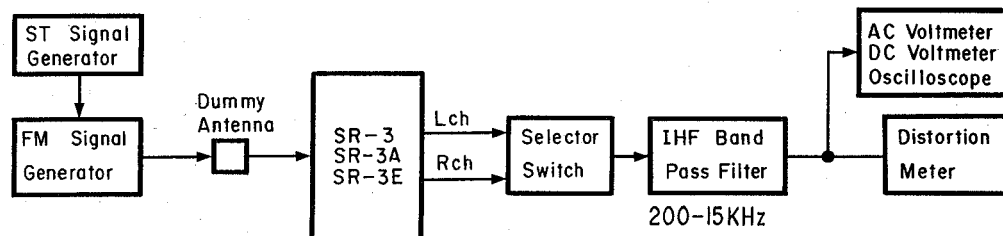


Fig. 3.1

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 1 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 1 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 1 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. Adjust VR351 by applying the same procedures as mentioned 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.

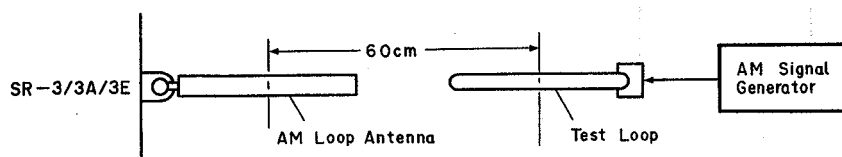


Fig. 3.2

STEP	ITEM	OUTPUT CONNECTION	MODE	ADJUSTMENT	REMARKS
7	Stereo/Mono Selection Check and THD Adjustment		Stereo Receiver Same as above Signal Generator Freq. - 98 MHz RF Level - 65 dBf Modulation - Stereo/ Mono	Main P.C.B. CT332	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.	Stereo Receiver Input Selector - Tuner Band Selector - AM Tape Monitor - Source Signal Generator Freq. - 520 (522) kHz/ 1710 (1611) kHz	Main P.C.B. L501 CT526	1. Set the frequency of the Signal Generator to 520 kHz (522 kHz) and make tuning. 2. Adjust L501 to obtain 1.4 V $\pm$0.02 V on the DC voltmeter. 3. Change the frequency to 1710 kHz (1611 kHz) and make tuning. 4. Adjust CT526 to obtain 22 V $\pm$0.2 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 1 Record Output Jacks	Stereo Generator Same as above Signal Generator Freq. - 600 (603) kHz/ 1400 (1404) kHz RF Level - 82 dBμ/m Modulation - 400 Hz 30%	Main P.C.B. L502 L503 L504 CT527	1. Set the measurement instruments as shown in Fig. 3.2. Set the distance between the AM Loop Antenna of the SR-3/3A/3E 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	Stereo Generator Same as above Signal Generator Freq. - 1000 (999) kHz RF Level - 106 dBμ/m	Main P.C.B. VR501	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. Note: Before adjustment, select AM mode and wait for more than three minutes.

4. MECHANISM ASS'Y AND PARTS LIST

4.1. Synthesis

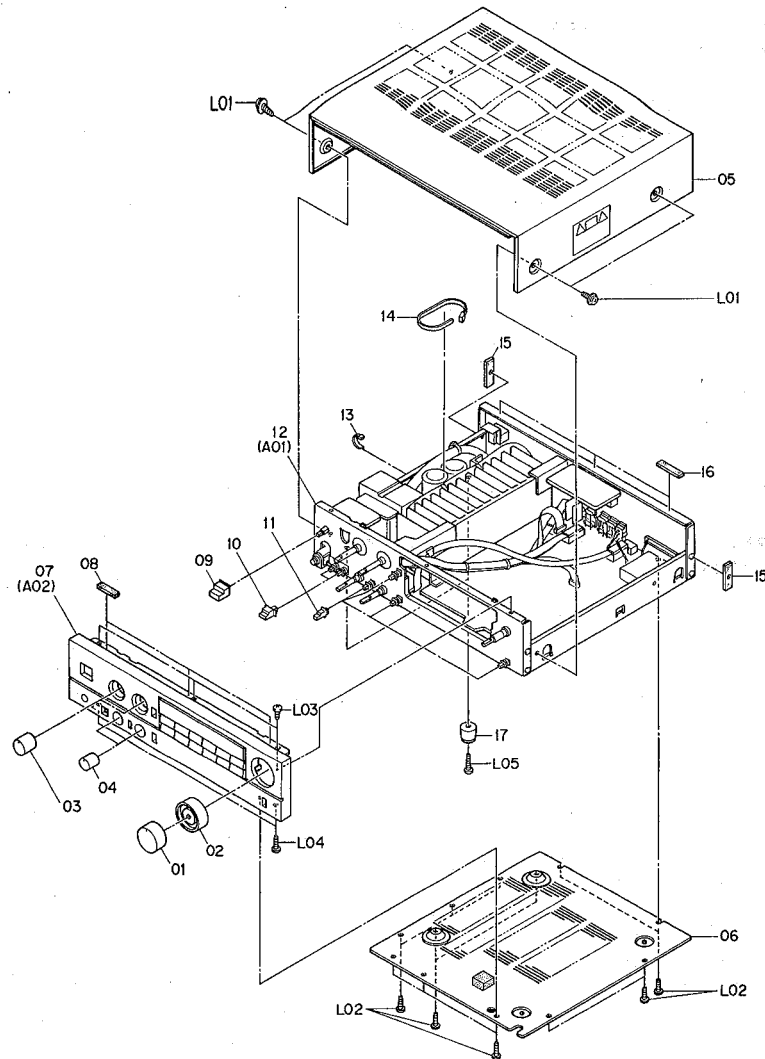


Fig. 4.1

Schematic Ref. No.	Part No.	Description	Q'ty	Schematic Ref. No.	Part No.	Description	Q'ty
		Synthesis Serial No.: D10501001 -					
01	HA05103A	Volume Knob Ass'y	1	07	(OE00888A)	BT3x12 @ Binding	(2)
02	HA05104A	Balance Knob Ass'y	1		(OJ05214A)	P.C.B. Cushion	(1)
03	HA05105A	Selector Knob Ass'y	2		HA05098A	Front Panel Ass'y (SR-3 (Canada))	1
04	HA05106A	Tone Control Knob Ass'y	2		HA05099A	Front Panel Ass'y (SR-3 (Australia & Other))	1
05	HA05149A	Top Cover Ass'y (SR-3 (Canada & Australia), SR-3A & SR-3E (Europe))	1		HA05101A	Front Panel Ass'y (SR-3A)	1
	HA05180A	Top Cover Ass'y (SR-3 (Other))	1		HA05100A	Front Panel Ass'y (SR-3E (Europe & Germany))	1
	HA05266A	Top Cover Ass'y (SR-3E (Germany)) (Consisting of the followings:)	1	08	OJ05364A	Top Cover Cushion T4	3
	(OH04934C)	Top Cover	(1)	09	OH04947A	Power Switch Knob	1
	(OJ05215B)	Power Transformer Cushion (SR-3, SR-3A & SR-3E (Europe))	(1)	10	OH04950B	Push Switch Knob 10L	2
	(OJ05376A)	Power Transformer Cushion VDE (SR-3E (Germany))	(1)	11	OH04949B	Push Switch Knob 5L	4
	(OM04377B)	Caution Label	(1)	12	JA04240A	Chassis Ass'y (SR-3 (Canada))	1
	(OJ05261A)	Top Cover Cushion S	(3)		JA04242A	Chassis Ass'y (SR-3 (Australia))	1
	(OM04811A)	Voltage Caution Sheet (SR-3 (Other))	(1)		JA04241A	Chassis Ass'y (SR-3 (Other))	1
	(OM04812A)	Voltage Caution Label (SR-3 (Other))	(1)		JA04244A	Chassis Ass'y (SR-3A)	1
					JA04243A	Chassis Ass'y (SR-3E (Europe))	1
06	JA04245A	Bottom Cover Ass'y (Consisting of the followings:)	1		JA04288A	Chassis Ass'y (SR-3E (Germany))	1
	(OJ05203C)	Bottom Cover	(1)	13	OB90019A	Insu-Lock SKB80	27
	(OJ05162A)	Leg T-S	(2)	14	OB08515A	Insu-Lock BK-1	4
	(OM04377B)	Caution Label	(1)	15	OJ05226A	Side Cushion	2
				16	OJ05363A	Top Cover Cushion T3	3
				17	OJ05162A	Leg T-S	2
				L01	OE03032A	BT4x8 @ Pan Washer-faced (Black Chromate)	4
				L02	OE00868A	BT3x8 @ Binding	12
				L03	OE00857A	BT3x6 @ Binding	3
				L04	OE00921A	BT3x8 @ Binding (Black Chromate)	2
				L05	OE00888A	BT3x12 @ Binding	2

Schematic Ref. No.	Part No.	Description	Q'ty
A01	JA04240A	Chassis Ass'y (SR-3 (Canada))	1
	JA04242A	Chassis Ass'y (SR-3 (Australia))	1
	JA04241A	Chassis Ass'y (SR-3 (Other))	1
	JA04244A	Chassis Ass'y (SR-3A)	1
	JA04243A	Chassis Ass'y (SR-3E (Europe))	1
	JA04288A	Chassis Ass'y (SR-3E (Germany))	1
	Serial No.: D10501001 -		
01	OJ05092A	Snap Plate	1
02	OJ05258B	Selector Knob Himelon	2
03	OJ05200C	Front Chassis	1
04	BA06380A	Power Switch P.C.B. Ass'y (SR-3 (Canada) & SR-3A)	1
	BA06252A	Power Switch P.C.B. Ass'y (SR-3 (Australia & Other))	1
	BA06251A	Power Switch P.C.B. Ass'y (SR-3E (Europe))	1
	BA06821A	Power Switch P.C.B. Ass'y (SR-3E (Germany))	1
05	BA06254A	Speaker Switch P.C.B. Ass'y	1
06	OB70081A	Rotary Switch Controller 6-5	1
07	OB70080A	Rotary Switch Controller 4-4	1
08	OB70084A	Push Switch Controller	1
09	OB70085A	Push Switch Wire	1
10	BA06245A	Tone Control P.C.B. Ass'y (SR-3, SR-3A & SR-3E (Europe))	1
	BA06827A	Tone Control P.C.B. Ass'y (SR-3E (Germany))	1
11	BA06243A	Volume P.C.B. Ass'y	1
12	BA06290A	Loudness Switch P.C.B. Ass'y	1
13	OJ05201C	Power Supply Chassis	1
14	OB50075A	Power Transformer (SR-3 (Canada) & SR-3A)	1
	OB50076A	Power Transformer (SR-3 (Australia) & SR-3E (Europe))	1
	OB50077A	Power Transformer (SR-3 (Other))	1
	OB50091A	Power Transformer (SR-3E (Germany))	1
15	BA06248A	Power Supply P.C.B. Ass'y (SR-3 (Canada & Other) & SR-3A)	1
	BA06249A	Power Supply P.C.B. Ass'y (SR-3 (Australia) & SR-3E (Europe))	1
	BA06828A	Power Supply P.C.B. Ass'y (SR-3E (Germany))	1
16	OJ05019A	Collar Bushing 10mm	2
17	OJ05208A	Collar Bushing 15mm	2
18	OB90210A	Insu-Lock T30MR-HS	4
19	OJ05206A	Heat Sink Holder B	1
20	OJ05204B	Heat Sink Holder C	1
21	BA06237A	Main P.C.B. Ass'y (SR-3 (Canada) & SR-3A)	1
	BA06310A	Main P.C.B. Ass'y (SR-3 (Australia))	1
	BA06239A	Main P.C.B. Ass'y (SR-3 (Other))	1
	BA06238A	Main P.C.B. Ass'y (SR-3E (Europe))	1
	BA06825A	Main P.C.B. Ass'y (SR-3E (Germany))	1
22	BA06283A	Speaker Terminal P.C.B. Ass'y (SR-3, SR-3A & SR-3E (Europe))	1
	BA06822A	Speaker Terminal P.C.B. Ass'y (SR-3E (Germany))	1
23	BA06257A	Video Amp. P.C.B. Ass'y (SR-3 & SR-3A)	1
	BA06850A	Video Amp. P.C.B. Ass'y (SR-3E (Europe))	1
	BA06830A	Video Amp. P.C.B. Ass'y (SR-3E (Germany))	1
24	OB82759A	PD Connector (BLK) (SR-3 (Canada & Other) & SR-3A)	1
25	OB82758A	PD Connector (BRN) (SR-3 (Canada & Other) & SR-3A)	1
26	OB60388A	AC Outlet P.C.B. (SR-3 (Canada & Other) & SR-3A)	1
27	OJ05224A	Insulator (SR-3 (Canada))	1
28	HA05089A	Rear Panel Ass'y (SR-3 (Canada))	1
	HA05091A	Rear Panel Ass'y (SR-3 (Australia))	1
	HA05090A	Rear Panel Ass'y (SR-3 (Other))	1
	HA05093A	Rear Panel Ass'y (SR-3A)	1
	HA05092A	Rear Panel Ass'y (SR-3E (Europe & Germany))	1
29	OJ05202C	Side Chassis	1
30	BA06308A	Band Selector P.C.B. Ass'y (SR-3 (Other))	1
31	OB81738A	Ground Wire (SR-3E (Germany))	1
L01	OE00612A	M3x6 @ Pan (2A)	9
L02	OE00868A	BT3x8 @ Binding	18
L03	—	Nut M9	(1)
L04	—	Washer	(1)

4.2. Chassis Ass'y (A01)

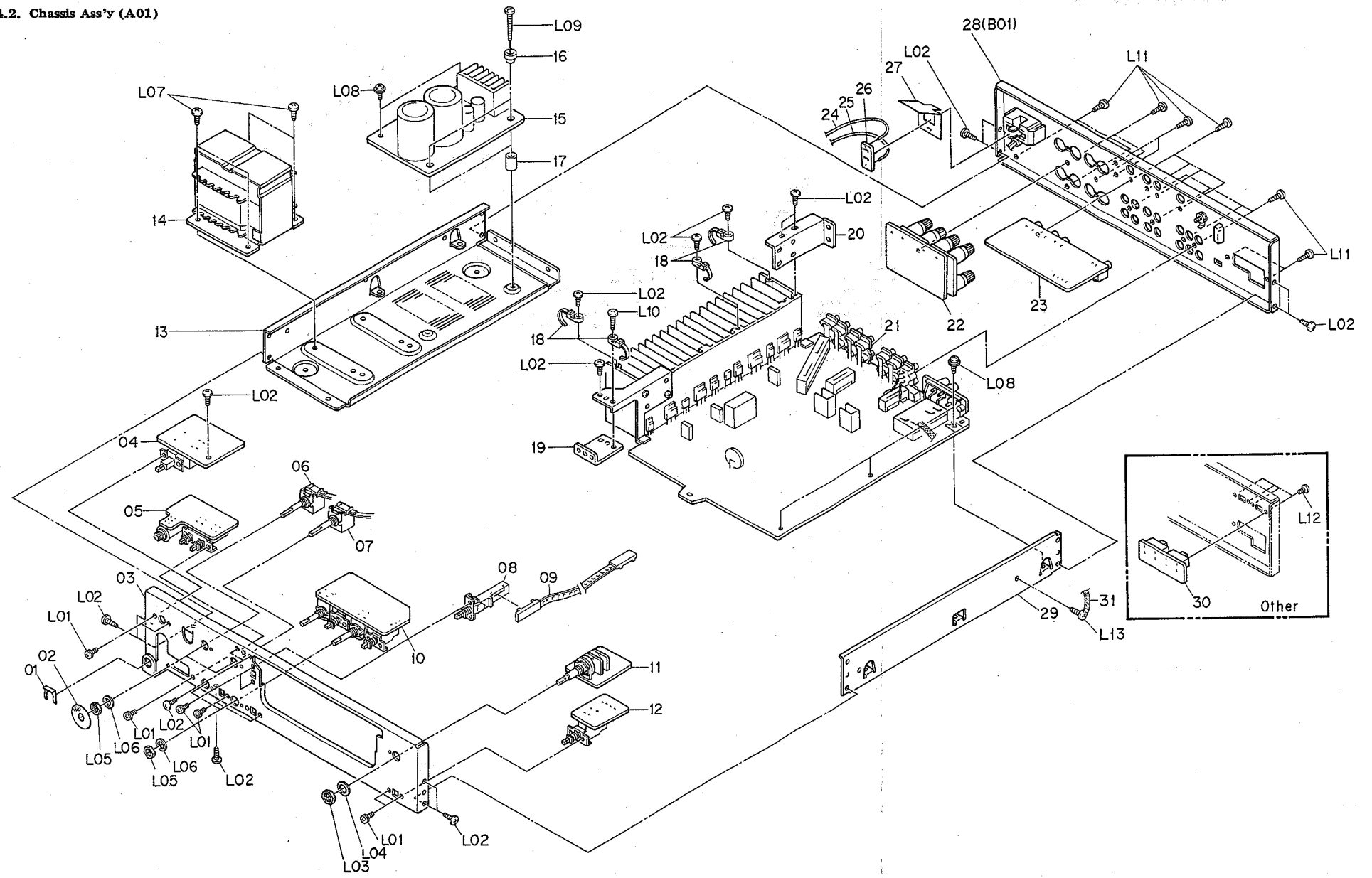


Fig. 4.2

Schematic Ref. No.	Part No.	Description	Q'ty
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)	16
L12	OE00945A	M2.6x4 @ Binding (Black Chromate) (SR-3 (Other))	4
L13	OE03321A	ST3x6 @ Binding (SR-3E (Germany))	1

4.3. Front Panel Ass'y (A02)

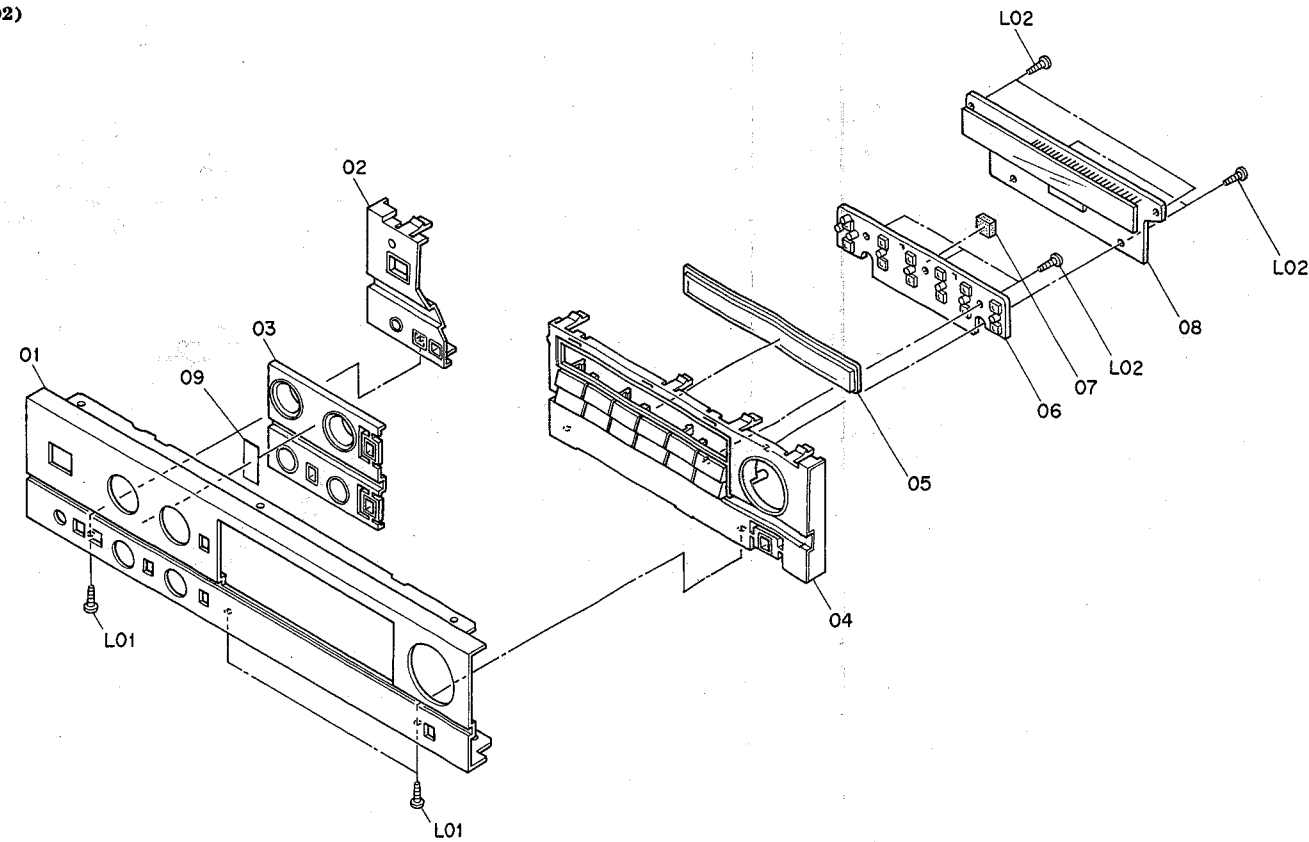


Fig. 4.3

4.4. Rear Panel Ass'y (B01)

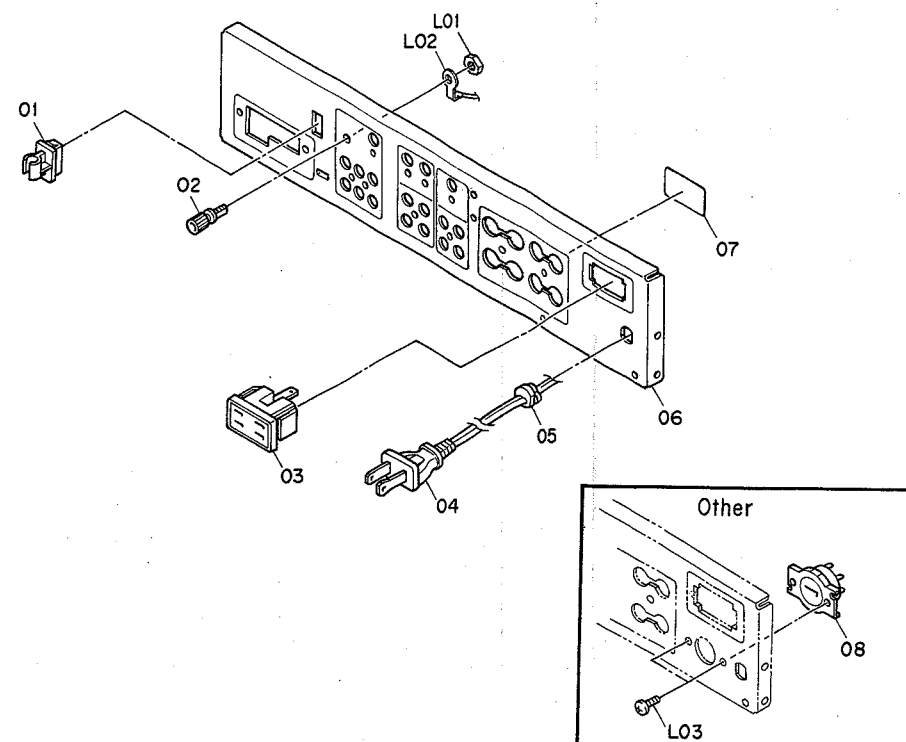


Fig. 4.4

Schematic Ref. No.	Part No.	Description	Q'ty
A02	HA05098A	Front Panel Ass'y (SR-3 (Canada))	1
	HA05099A	Front Panel Ass'y (SR-3 (Australia & Other))	1
	HA05101A	Front Panel Ass'y (SR-3A)	1
	HA05100A	Front Panel Ass'y (SR-3E (Europe & Germany))	1
	Serial No.: D10501001 -		
	01	OH04924B Front Panel (SR-3)	1
		OH04923B Front Panel (SR-3A)	1
		OH04925A Front Panel (SR-3E)	1
	02	OH04935C Front Escutcheon L	1
	03	OH04936A Front Escutcheon C	1
L01	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-3 (Canada) & SR-3A)	1
		BA06241A Display P.C.B. Ass'y (SR-3 (Australia & Other) & SR-3E (Europe & Germany))	1
		BT3x8 @ Binding (Black Chromate)	3
	L02	OE00868A BT3x8 @ Binding	7
B01	HA05089A	Rear Panel Ass'y (SR-3 (Canada))	1
	HA05091A	Rear Panel Ass'y (SR-3 (Australia))	1
	HA05090A	Rear Panel Ass'y (SR-3 (Other))	1
	HA05093A	Rear Panel Ass'y (SR-3A)	1
	HA05092A	Rear Panel Ass'y (SR-3E (Europe & Germany))	1
	Serial No.: D10501001 -		
	01	OB90071A AM Loop Antenna Holder	1
	02	OB81604A Ground Terminal T-5435	1
	03	OB81597A AC Outlet 2P (SR-3 (Canada & Other) & SR-3A)	1
	04	OB90205A Power Cord (SR-3 (Canada & Other) & SR-3A)	1
L02		OB05241A Power Cord (SR-3 (Australia))	1
		OB08093U Power Cord (SR-3E (Europe & Germany))	1
	05	OB08351A Cord Bushing 4K-4 (SR-3 (Canada & Other) & SR-3A)	1
		OB08037U Cord Bushing C (SR-3 (Australia & SR-3E (Europe & Germany))	1
	06	OH04931B Rear Panel (SR-3 (Canada))	1
		OH04965B Rear Panel (SR-3 (Australia))	1
		OH04933B Rear Panel (SR-3 (Other))	1
		OH04930B Rear Panel (SR-3A)	1
		OH04932A Rear Panel (SR-3E (Europe & Germany))	1
	07	OM04380A Barrier Caution Label (SR-3 (Canada) & SR-3A)	1
L03	08	OB70049A Voltage Selector (SR-3 (Other))	1
		Nut (Ground Terminal)	(1)
		Earth Lug (Ground Terminal)	(1)
		M3x6 @ Binding (Black Chromate) (SR-3 (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

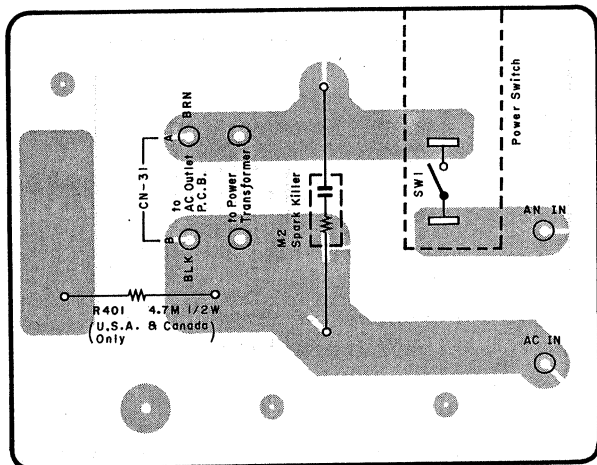


Fig. 5.1

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

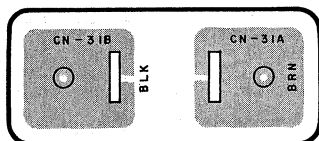


Fig. 5.2

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

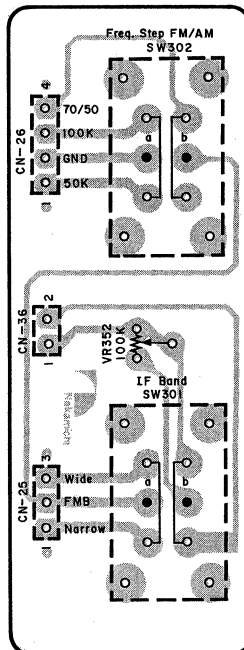


Fig. 5.3.1 2nd Version

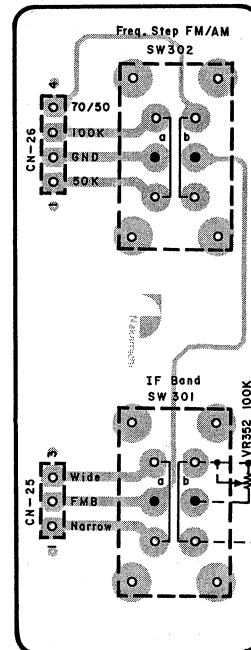
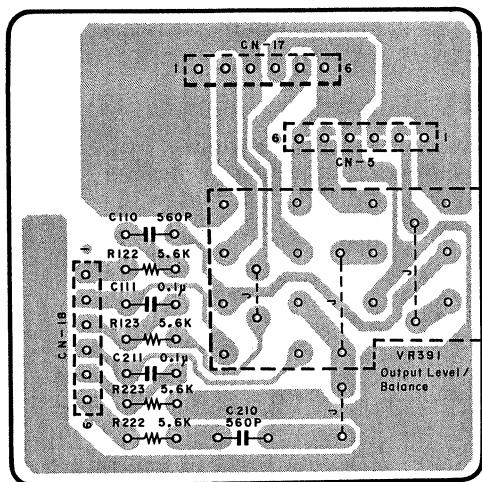


Fig. 5.3.2 1st Version

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
R401	BA06380A	Power Switch P.C.B. Ass'y (SR-3 (Canada) & SR-3A)	CN31A CN31B	OB90264A	Spark Killer XE-333 (SR-3E (Europe & Germany))
	BA06252A	Power Switch P.C.B. Ass'y (SR-3 (Australia & Other))		OE00752A	Eyelet 2x3 (2)
	BA06251A	Power Switch P.C.B. Ass'y (SR-3E (Europe))		OE00147A	Earth Lug B-6 (SR-3 (Canada) & SR-3A) (1)
	BA06821A	Power Switch P.C.B. Ass'y (SR-3E (Germany))		BA06255A	AC Outlet P.C.B. Ass'y (SR-3 (Canada & Other) & SR-3A)
SW1	OB60387B	Power Switch P.C.B. R.K. 4.7M 1/2W J (SR-3 (Canada) & SR-3A)	VR352 SW301,302 CN25 CN26 CN36	OB60388A	AC Outlet P.C.B.
	OB20057A	Power Switch P.C.B. R.K. 4.7M 1/2W J (SR-3 (Canada) & SR-3A)		OB82758A	PD Connector V450
M2	OB71005A	Power Switch (SR-3 (Canada) & SR-3A)		OB82759A	PD Connector V450
	OB71006A	Power Switch (SR-3 (Australia & Other) & SR-3E (Europe & Germany))		BA06308A	Band Selector P.C.B. Ass'y (SR-3 (Other))
	OB08342A	Spark Killer (SR-3 (Canada) & SR-3A)		OB60378B	Band Selector P.C.B. Semi VR 100K
	OB08240A	Spark Killer (SR-3 (Australia & Other))		OB32099A	Slide Switch 22S
				OB70039A	3P Connector 160
				OB82804A	4P Connector 200
				OB82805A	2P Connector S200
				OB82905A	

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

**Fig. 5.4**

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

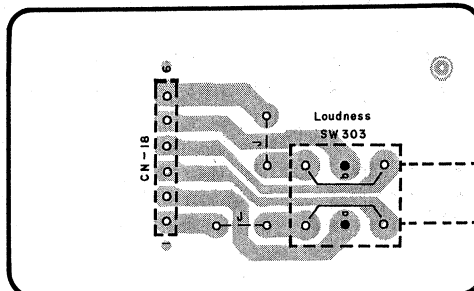


Fig. 5.5.1 2nd Version

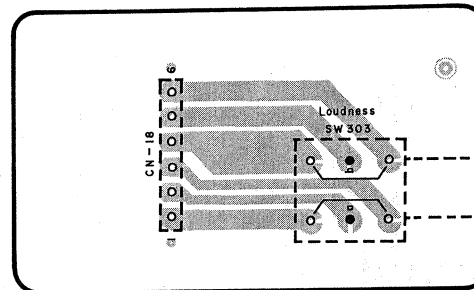


Fig. 5.5.2 1st Version

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 ZD402 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	BA06245A	Tone Control P.C.B. Ass'y (SR-3, SR-3A & SR-3E (Europe))	C113,119 213,219 C114,214 C115,215 C116,216 SW304	OB09816A	CE 10μ 16V (LN)
	OB60383B OB30061A OB09695A	Volume P.C.B. VR RK1612420 RK 5.6K 1/6W J		BA06827A	Tone Control P.C.B. Ass'y (SR-3E (Germany))		OB09242A OB09302A OB05583A OB70074A	C 47P 50V J C 100P 50V J CM 0.033μ 50V J Push Switch 1 Key
	OB41219A OB01780A OB81013A	CP 560P 100V J CM 0.1μ 50V J Dip Mate 6P WH6D-1		— Line Amp. —			— Subsonic Filter —	
	OB01780A OB81013A	CP 560P 100V J CM 0.1μ 50V J Dip Mate 6P WH6D-1		OB10193A	FET 2SK184 (GR)		OB09735A OB41298A OB70074A	RK 270K 1/6W J CMM 0.1μ 50V J Push Switch 1 Key
SW303 CN18 CN18	BA06290A	Loudness Switch P.C.B. Ass'y	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	OB10050A	TR 2SA970 (BL)	R411 C391 SW308		
	OB60390B	Loudness Switch P.C.B.		OB06142A	TR 2SC2240 (BL)			
	OB70074A OB81013A	Push Switch 1 Key Dip Mate 6P WH6D-1		OB12150A	ZD 5.6V RD5.6JS-T1B2			
	OB82736A	Ribbon Cable 6P 110mm		OB12174A	ZD 12V RD12JS-T1B2			
R742,842 CN23A CN23B CN33	BA06254A	Speaker Switch P.C.B. Ass'y	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	OB22229A	RM 1.00K 1/6W F	C027,028 CN3 CN4 CN6,17 19,19 CN20,20 AJ BJ		
	OB60385C	Speaker Switch P.C.B.		OB22315A	RM 5.62K 1/6W F			
	OB24105A OB82744B OB82745B OB82760A OB70075A	RF 330 2W J PD Connector V600 PD Connector V720 PD Connector V350 Push Switch 2 Key (1)		OB22371A	RM 18.2K 1/6W F			
	OB81478A	Headphone Jack (1)		OB22265A	RM 2.20K 1/6W F			
				OB22347A	RM 11.0K 1/6W F		OB81010A	Dip Mate 3P WH3D-1
				OB09673A	RK 680 1/6W J		OB82040B OB82041B OB82734B	PD Connector V050 PD Connector V050 Ribbon Cable 6P 500mm (1)
				OB09679A	RK 1.2K 1/6W J		OB82735B	Ribbon Cable 6P 320mm (1)
				OB09695A	RK 5.6K 1/6W J		OB82737B	Ribbon Cable 6P 120mm (1)
				OB22515A	RM 332K 1/6W F		OB82738B	Ribbon Cable 3P 140mm (1)
				OB09677A	RK 1K 1/6W J			
				OB09665A	RK 330 1/6W J			
				OB09685A	RK 2.2K 1/6W J			
				OB41703A	CSP 100P 50V J (SR-3, SR-3A & SR-3E (Europe))			
				OB41704A	CSP 330P 50V J (SR-3E (Germany))			
				— Tone Amp. —				
				OB11070A	IC NJM072S			
				OB30062A	VR 100K (B)x2			
				OB30063A	VR 500K (B)x2			
				OB09725A	RK 100K 1/6W J			
				OB09715A	RK 39K 1/6W J (8)			
				OB09723A	RK 82K 1/6W J			

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

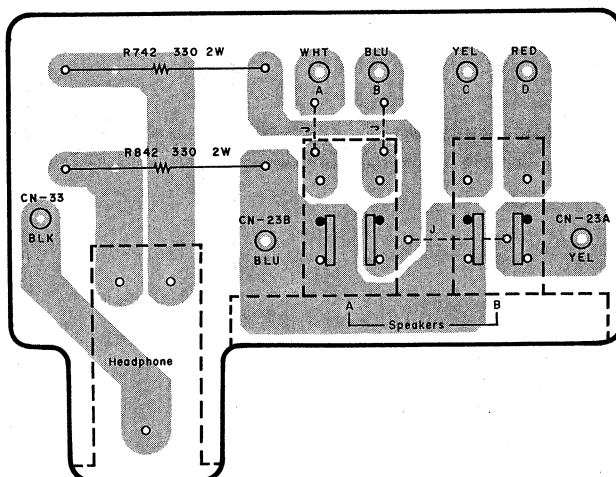


Fig. 5.6

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

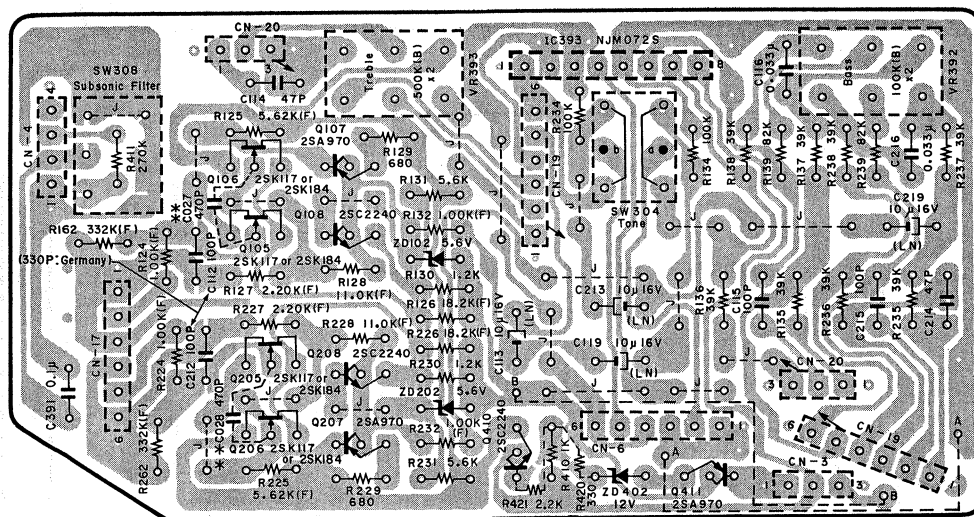


Fig. 5.7.1 2nd Version

** : SR-3E (Germany) only.

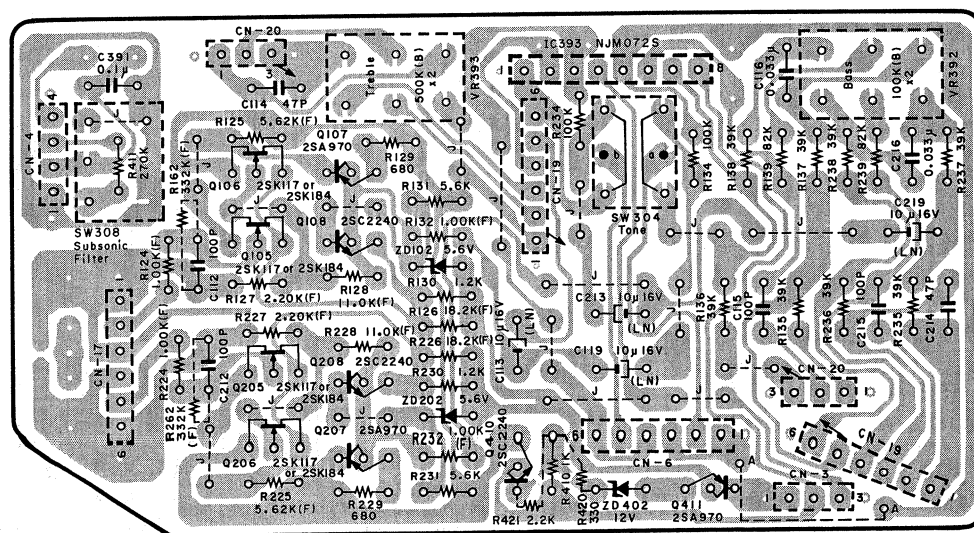


Fig. 5.7.2 1st Version (For SR-3 & SR-3A only)

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

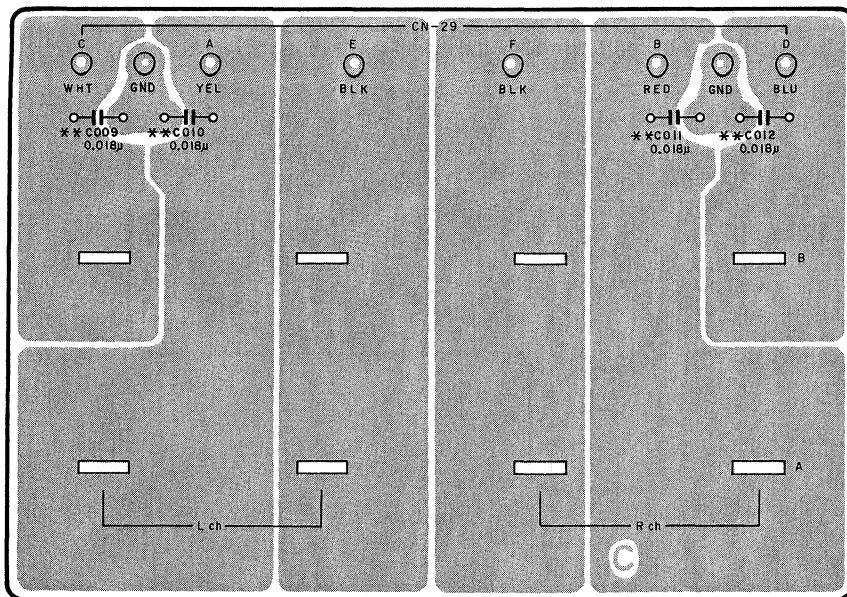


Fig. 5.8

** SR-3E (Germany) only.

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

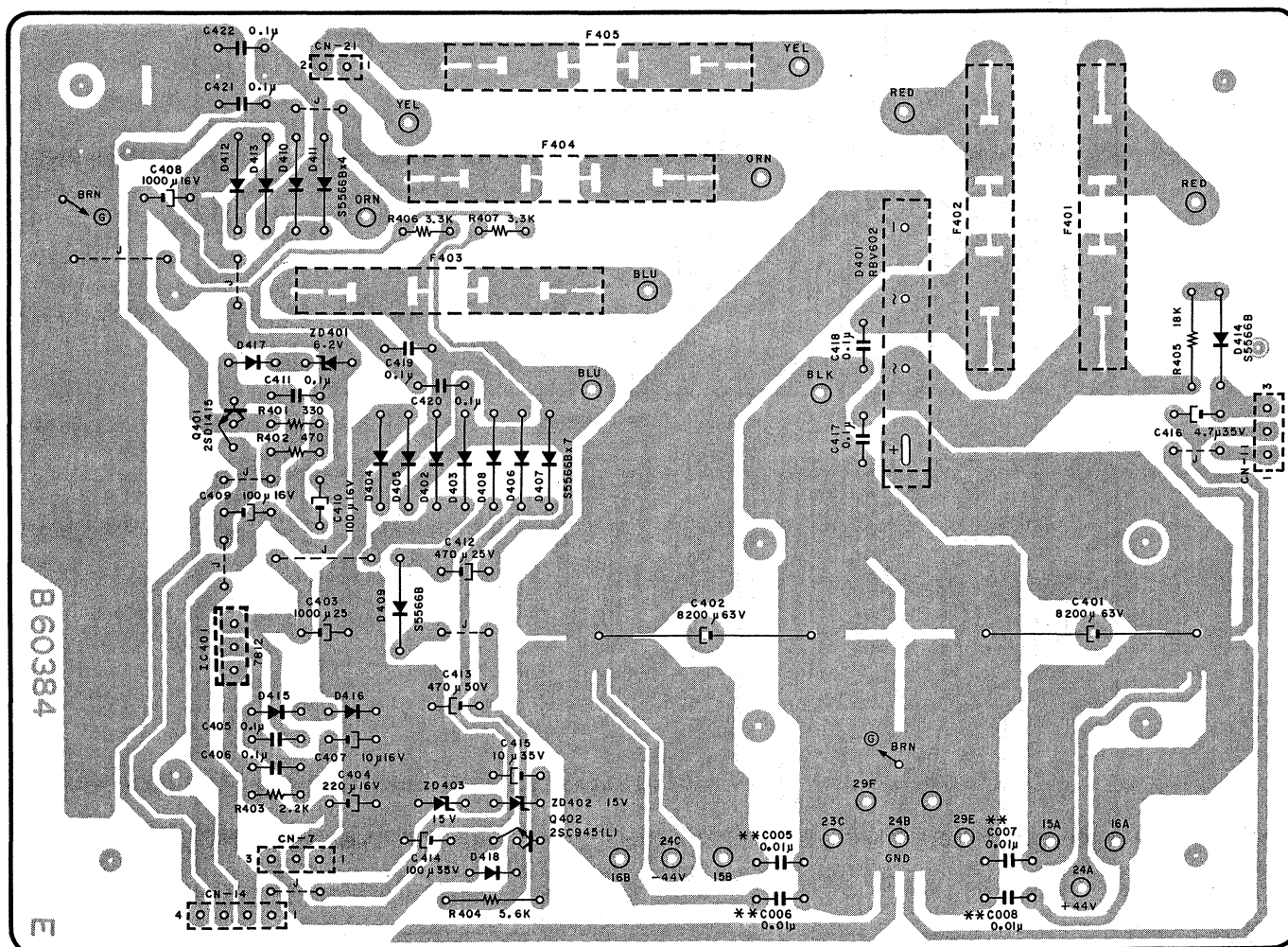


Fig. 5.9

** SR-3E (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-3, SR-3A & SR-3E (Europe))	F405 CN7,11 CN14 CN15A CN15B CN16A CN16B CN21 CN23C CN24A CN24B CN24C	OB08252A	Fuse T250mA 250V (SR-3 (Australia) & SR-3E (Europe & Germany))
	BA06822A	Speaker Terminal P.C.B. Ass'y (SR-3E (Germany))		OB81635A	3P-T Post
	OB60386C	Speaker Terminal P.C.B.		OB81636A	4P-T Post
	OB41289A	CMM 0.018 μ 50V J (SR-3E (Germany))		OB82740B	PD Connector V400
	OB82753A	PD Connector V420		OB82741B	PD Connector V400
	OB82754A	PD Connector V420		OB82742B	PD Connector V520
	OB82755A	PD Connector V420		OB82743B	PD Connector V520
	OB82756A	PD Connector V420		OB82803A	2P Connector
	OB82757A	PD Connector V250		OB82746B	PD Connector V440
	OB81595B	Speaker Terminal 8P (1)		OB82747B	PD Connector V300
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 F405	OB90019A	Insu-Lock SKB80 (4)	OM03855A OM04137A OM04191A OM04443A OM04194A OE00612A OJ05197A OE03355A OB90019A OB90206A	OB82748B	PD Connector V300
	OB83056B	Ground Wire (SR-3E (Germany)) (1)		OB82749B	PD Connector V300
	BA06248A	Power Supply P.C.B. Ass'y (SR-3 (Canada & Other) & SR-3A)		OB08349B	Fuse Clip (SR-3 (Australia) & SR-3E (Europe & Germany)) (10)
	BA06249A	Power Supply P.C.B. Ass'y (SR-3 (Australia) & SR-3E (Europe))			Fuse Label 5A 125Vx2 (SR-3 (Canada & Other) & SR-3A) (1)
	BA06828A	Power Supply P.C.B. Ass'y (SR-3E (Germany))			Fuse Label T250mA 250V (SR-3 (Australia) & SR-3E (Europe & Germany)) (1)
	OB60384E	Power Supply P.C.B. IC AN78M12			Fuse Label T1A 250V (SR-3 (Australia) & SR-3E (Europe & Germany)) (1)
	OB11252A	TR 2SD1415			Fuse Label T3.15A 250Vx2 (SR-3 (Australia) & SR-3E (Europe & Germany)) (1)
	OB10012A	TR 2SC945L (P,Q)			Fuse Label T315mA 250V (SR-3 (Australia) & SR-3E (Europe & Germany)) (1)
	OB01872A	ZD 6.2V			Heat Sink (1)
	OB12153A	RD6.2JS-T1B2			Earth Lug (1)
F401,402 F401,402 F403,404 F403 F404 F405	OB12181A	ZD 15V			Insu-Lock SKB80 (6)
	OB12388A	RD15JS-T1B2			Insu-Lock SKB4M (1)
	OB12362A	SiD RBV-602			
	OB06398A	SiD S5566B (13)			
	OB09665A	SiD 1SS176			
	OB09669A	RK 330 1/6W J			
	OB09685A	RK 470 1/6W J			
	OB01887A	RK 2.2K 1/6W J			
	OB05560A	RK 5.6K 1/4W J			
	OB09689A	RK 18K 1/4W J			
F401,402 F401,402 F403,404 F403 F404 F405	OB41286A	RK 3.3K 1/6W J			
	OB40410A	CMM 0.01 μ 50V J (SR-3E (Germany))			
	OB40095A	CE 8200 μ 63V			
	OB40079A	CE 1000 μ 25V			
	OB41298A	CE 220 μ 16V			
	OB01412A	CMM 0.1 μ 50V J (9)			
	OB40082A	CE 10 μ 16V			
	OB40078A	CE 1000 μ 16V			
	OB40094A	CE 100 μ 16V			
	OB40123A	CE 470 μ 25V			
F401,402 F401,402 F403,404 F403 F404 F405	OB40104A	CE 470 μ 50V			
	OB40100A	CE 100 μ 35V			
	OB40100A	CE 10 μ 35V			
	OB40099A	CE 4.7 μ 35V			
	OB08370A	Fuse 5A (SR-3 (Canada & Other) & SR-3A)			
	OB08281A	Fuse T3.15A 250V (SR-3 (Australia) & SR-3E (Europe & Germany))			
	OB08374A	Fuse 1A (SR-3 (Canada & Other) & SR-3A)			
	OB08263U	Fuse T315mA 250V (SR-3 (Australia) & SR-3E (Europe & Germany))			
	OB08347U	Fuse T1A 250V (SR-3 (Australia) & SR-3E (Europe & Germany))			
	OB08698A	Fuse 500mA (SR-3 (Canada & Other) & SR-3A)			

5.10. Video Amp. P.C.B. Ass'y

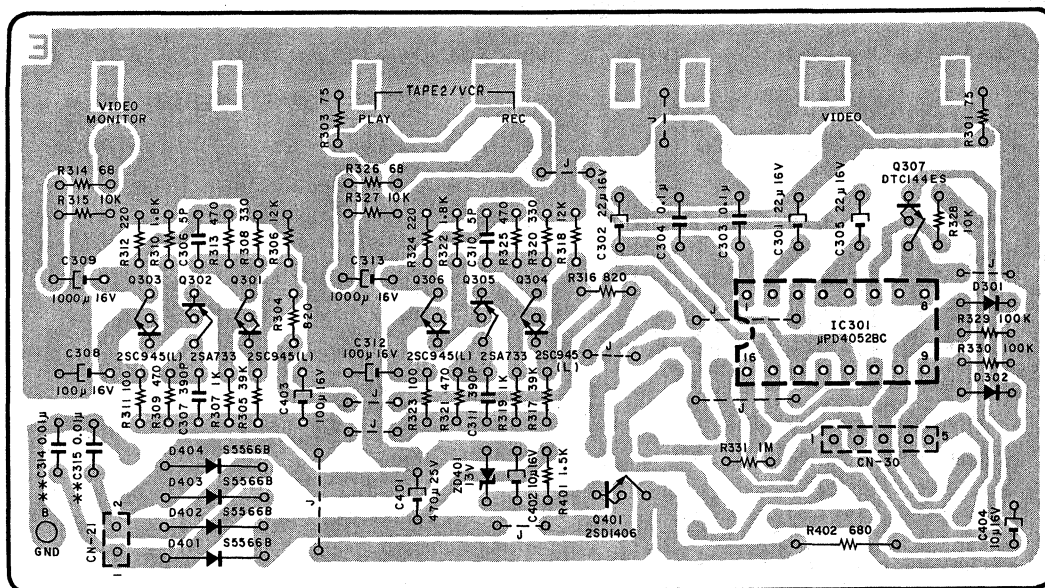


Fig. 5.10

** SR-3E (Germany) only.

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
	BA06257A	Video Amp. P.C.B. Ass'y (SR-3 & SR-3A)	C402,404	OB01412A	CE 10 μ 16V		BA06242A	Control Switch P.C.B. Ass'y
	BA06850A	Video Amp. P.C.B. Ass'y (SR-3E (Europe))	CN21	OB81634A	2P-T Post B2B-EH		OB60381D	Control Switch P.C.B.
	BA06830A	Video Amp. P.C.B. Ass'y (SR-3E (Germany))	CN30	OB81637A	5P-T Post B5B-EH		OB10058A	TR DTA114ES
	OB60389E	Video Amp. P.C.B. IC μ PD4052BC		OB81592B	Pin Jack 1P (4)	Q901,902	OB10068A	TR DTC114ES (6)
IC301	OB11247A	TR 2SC945L (P,Q)		OB83057B	GND 50mm (1)	905-908	OB12395A	LED SLR-34PC3F (Green) (8)
Q301,303	OB06013A	TR 2SA733 (P,Q)		OB08680B	Heat Sink A (1)	Q903,904	OB06398A	SiD 1SS176 (10)
Q302,305	OB10062A	TR DTC144ES		OE00972A	Nut Hex. M3 (1)	LED910-917		
Q307	OB06452A	TR 2SD1406 (Y)		OE03319A	M3x8 Φ Binding (1)	D901-905		
Q401	OB12317A	ZD 13V MTZ13B				908,909	OB12391A	SiD MC911
ZD401	OB06398A	SiD 1SS176				917-919	OB09657A	RK 150 1/6W J
D301,302	OB12362A	SiD S5566B				D906,907	OB09689A	RK 3.3K 1/6W J (6)
D401-404	OB09650A	RK 75 1/6W J				R901,909	OB09661A	RK 220 1/6W J
R301,303	OB09675A	RK 820 1/6W J				R902,903	OB70062A	Tact Switch KHH10910 (12)
R304,316	OB09715A	RK 39K 1/6W J				905-908	OB82800A	12P Connector 170mm
R305,317	OB09703A	RK 12K 1/6W J				R904	OB82801A	5P Connector 170mm
R306,318	OB09677A	RK 1K 1/6W J				SW901-912	OJ05209B	LED Reflector D100 (8)
R307,319	OB09665A	RK 330 1/6W J						
R308,320	OB09669A	RK 470 1/6W J						
R309,313	OB09683A	RK 1.8K 1/6W J						
321,325	OB09653A	RK 100 1/6W J (SR-3, SR-3A & SR-3E (Germany))						
R310,322	OB09907A	RK 100 1/2W J (SR-3E (Europe))						
R311,323	OB09661A	RK 220 1/6W J						
	OB09649A	RK 68 1/6W J						
	OB09701A	RK 10K 1/6W J						
	OB09725A	RK 100K 1/6W J						
R312,324	OB09749A	RK 1M 1/6W J						
R314,326	OB09681A	RK 1.5K 1/6W J						
R315,327	OB05794A	RK 680 1/4W J						
328	OB01862A	CE 22 μ 16V						
R329,330	OB41298A	CMM 0.1 μ 50V J						
R331	OB09276A	CC 5P 50V						
R401	OB41002A	CP 390P 100V J						
R402	OB01400A	CE 100 μ 16V						
C301,302	OB40082A	CE 1000 μ 16V						
305	OB41286A	CMM 0.01 μ 50V J (SR-3E (Germany))						
C303,304	OB40094A	CE 470 μ 25V						
C306,310								
C307,311								
C308,312								
403								
C309,313								
C314,315								
C401								

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

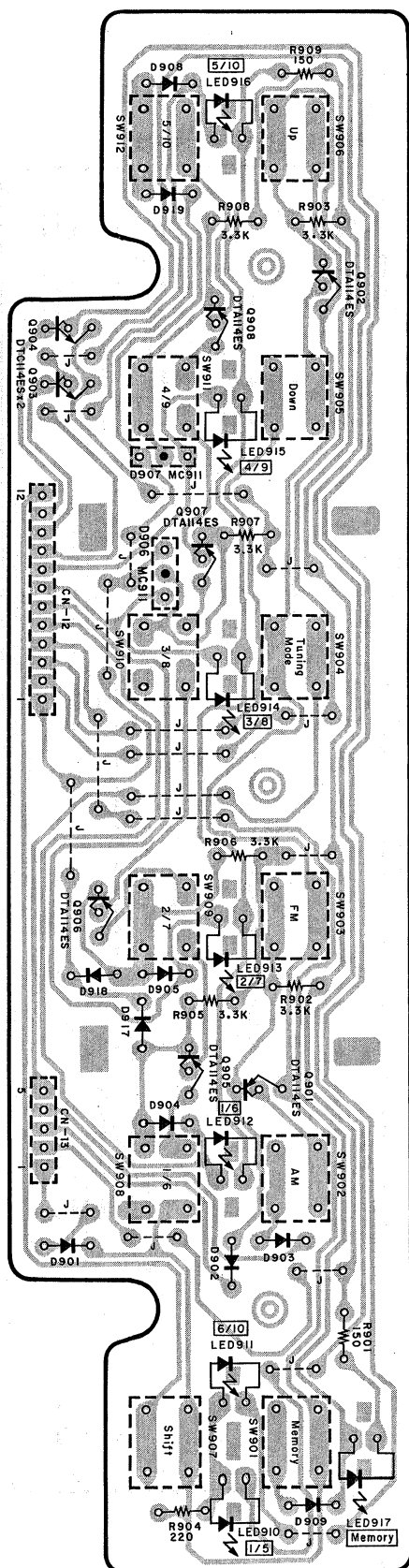


Fig. 5.11.1 2nd Version

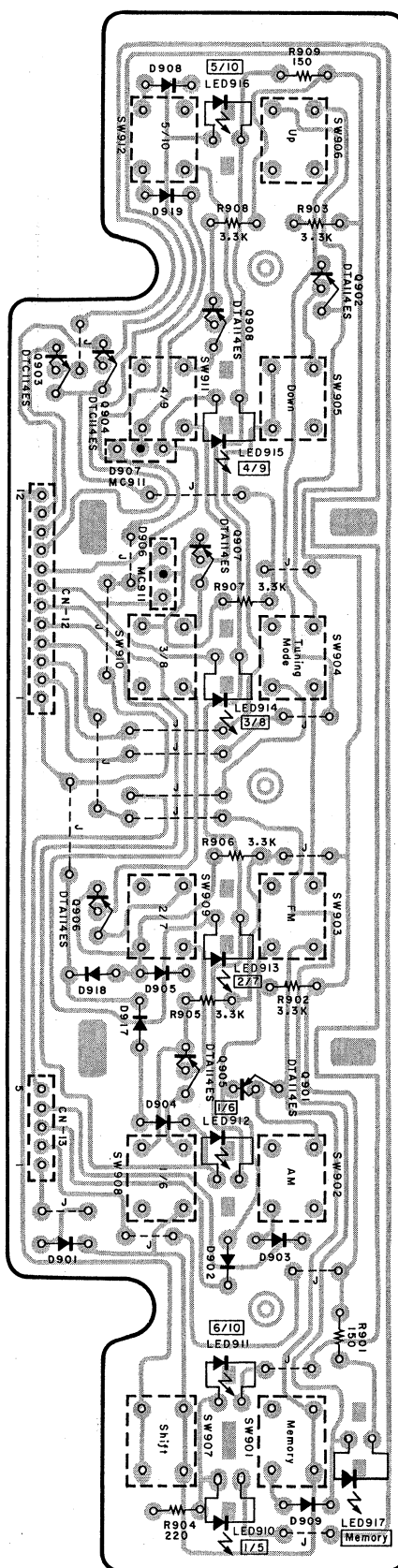


Fig. 5.11.2 1st Version

5.12. Display P.C.B. Ass'y
 5.12.1 For SR-3 (Canada) & SR-3A
 (1) 2nd Version

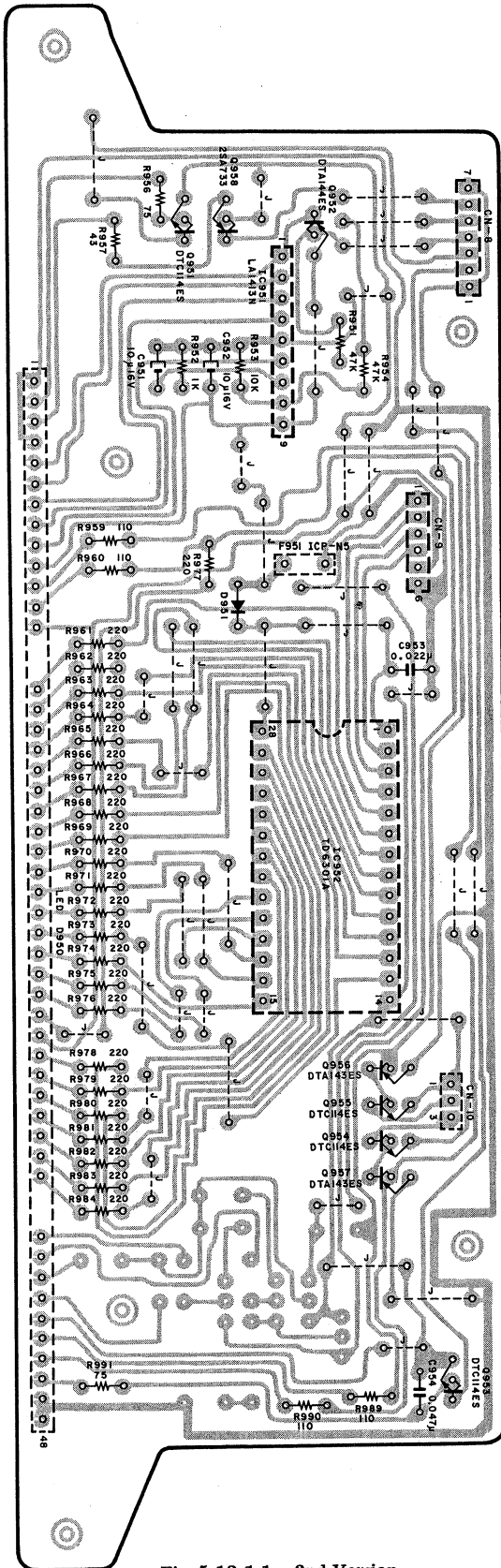


Fig. 5.12.1.1 2nd Version

(2) 1st Version

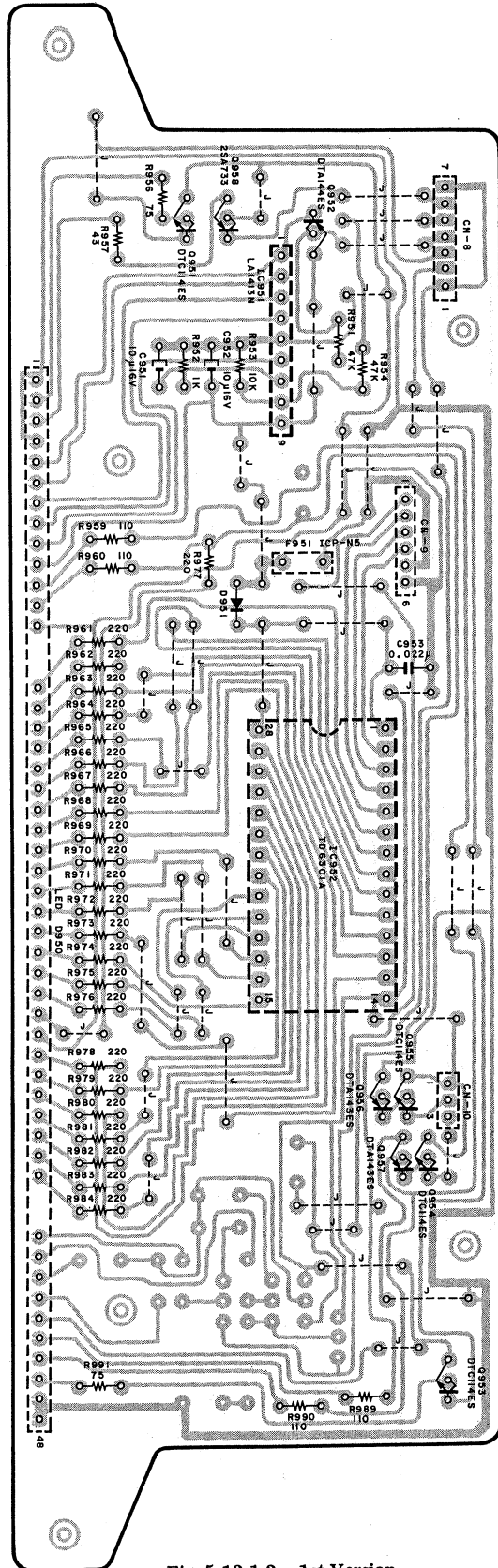


Fig. 5.12.1.2 1st Version

Schematic Ref. No.	Part No.	Description
	BA06240A	Display P.C.B. Ass'y (SR-3 (Canada) & SR-3A) 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-3 (Canada) & SR-3A) 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)

5.12.2. For SR-3 (Australia & Other) & SR-3E (Europe & Germany)
(1) 2nd Version

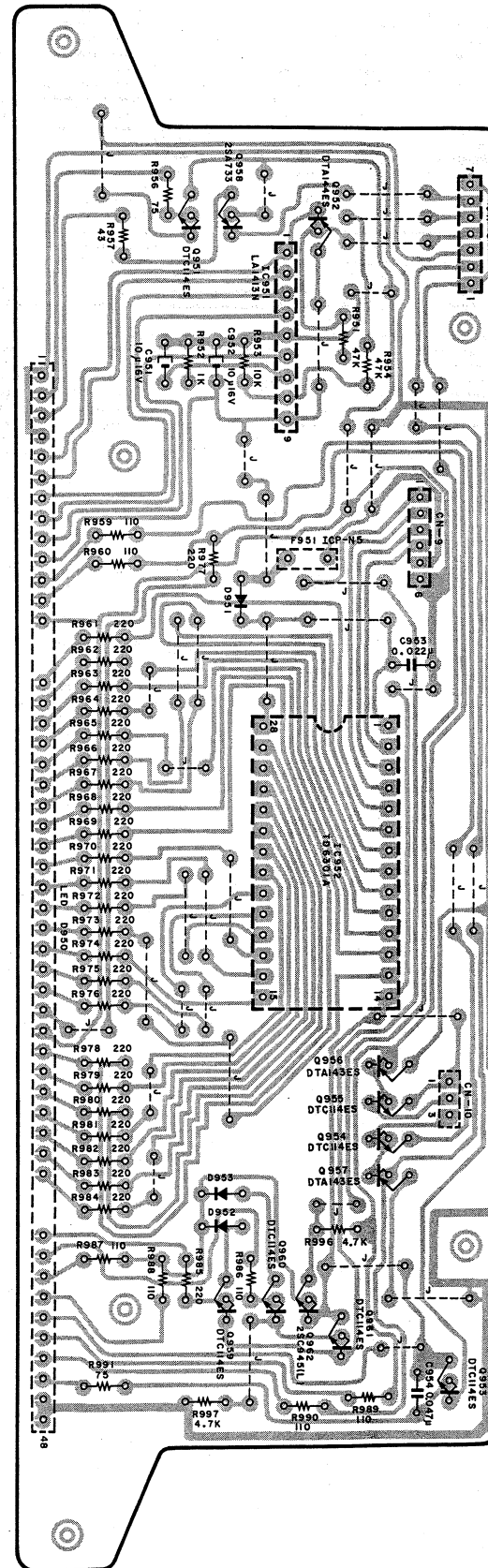


Fig. 5.12.2.1 2nd Version

(2) 1st Version (For SR-3 (Australia & Other only))

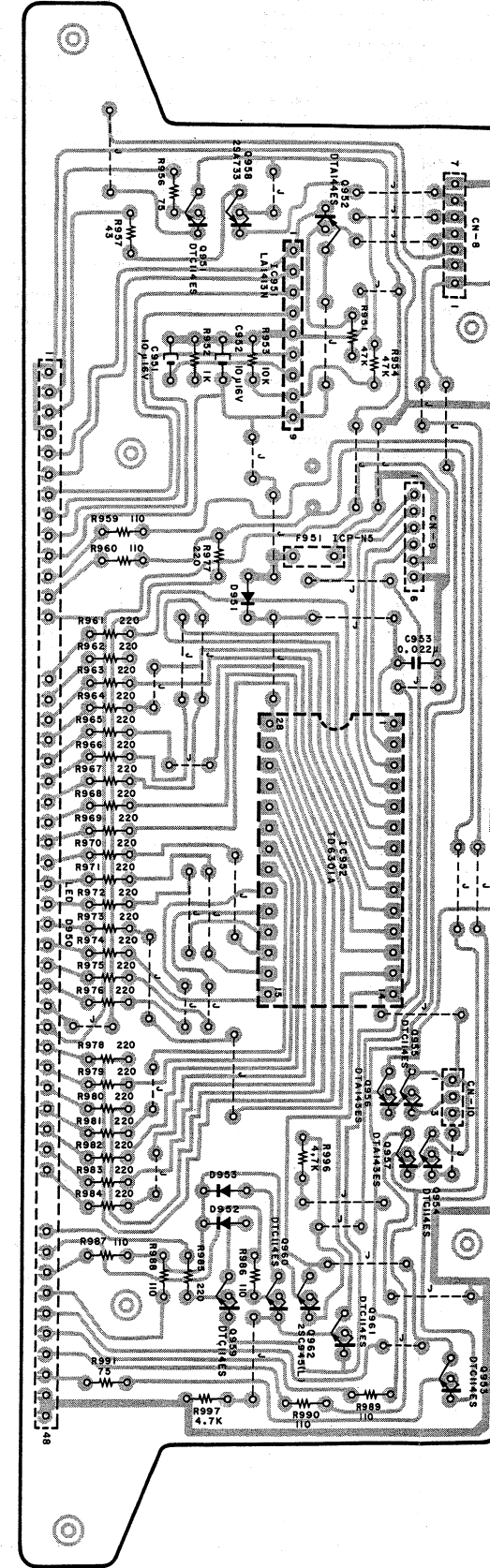


Fig. 5.12.2.2 1st Version

Schematic Ref. No.	Part No.	Description
	BA06241A	Display P.C.B. Ass'y (SR-3 (Australia & Other): 2nd Version) (SR-3E (Europe & Germany))
IC951	OB60380D	Display P.C.B.
IC952	OB11244A	IC LB1413N
Q951,953	OB11160A	IC TD6301A
954,955	OB10068A	TR DTC114ES (7)
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-3 (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)
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)

5.13. Main P.C.B. Ass'y
5.13.1. For SR-3 (Canada) & SR-3A
(1) 2nd Version

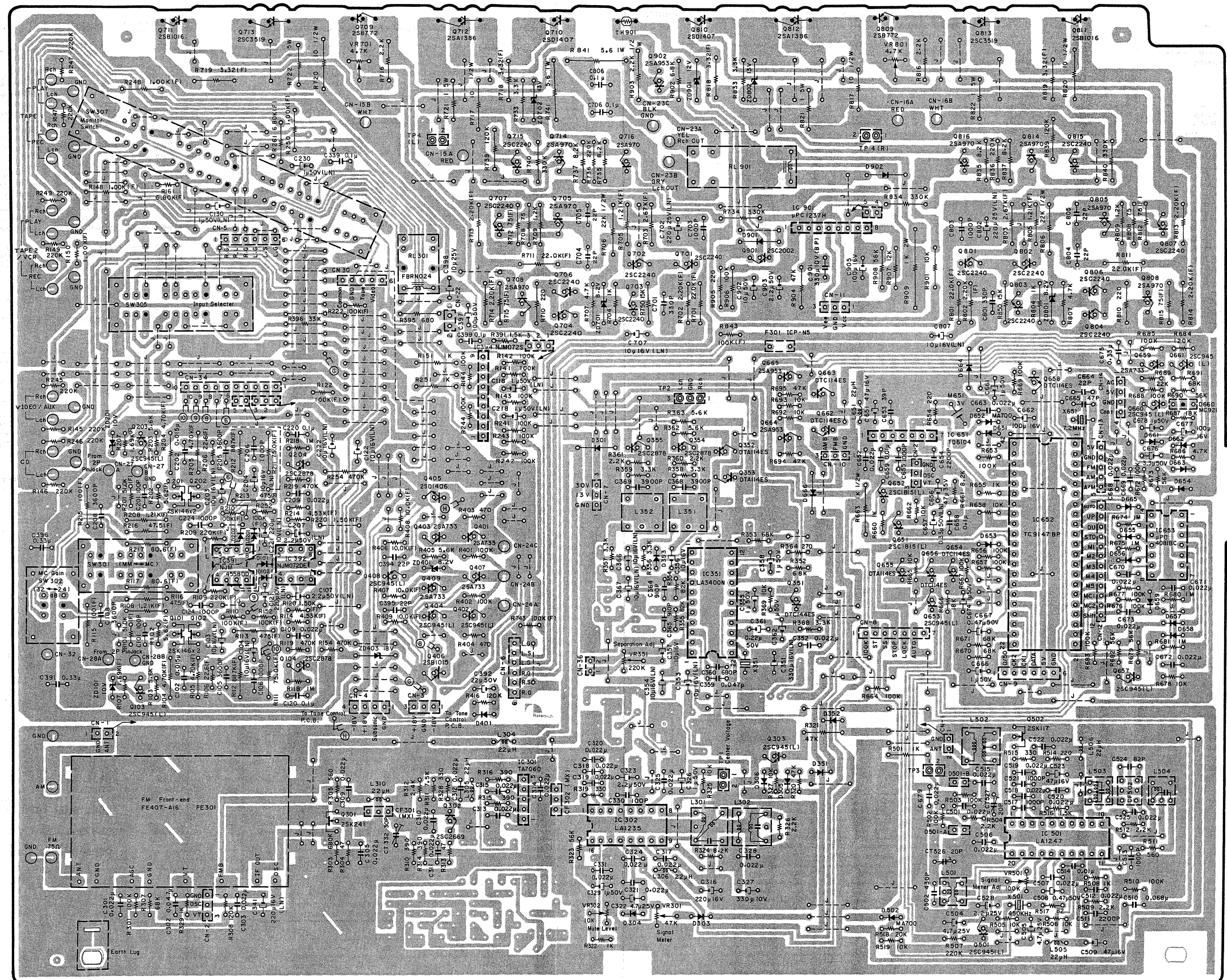


Fig. 5.13.1.1 2nd Version (For SR-3 (Canada) & SR-3A)

(2) 1st Version

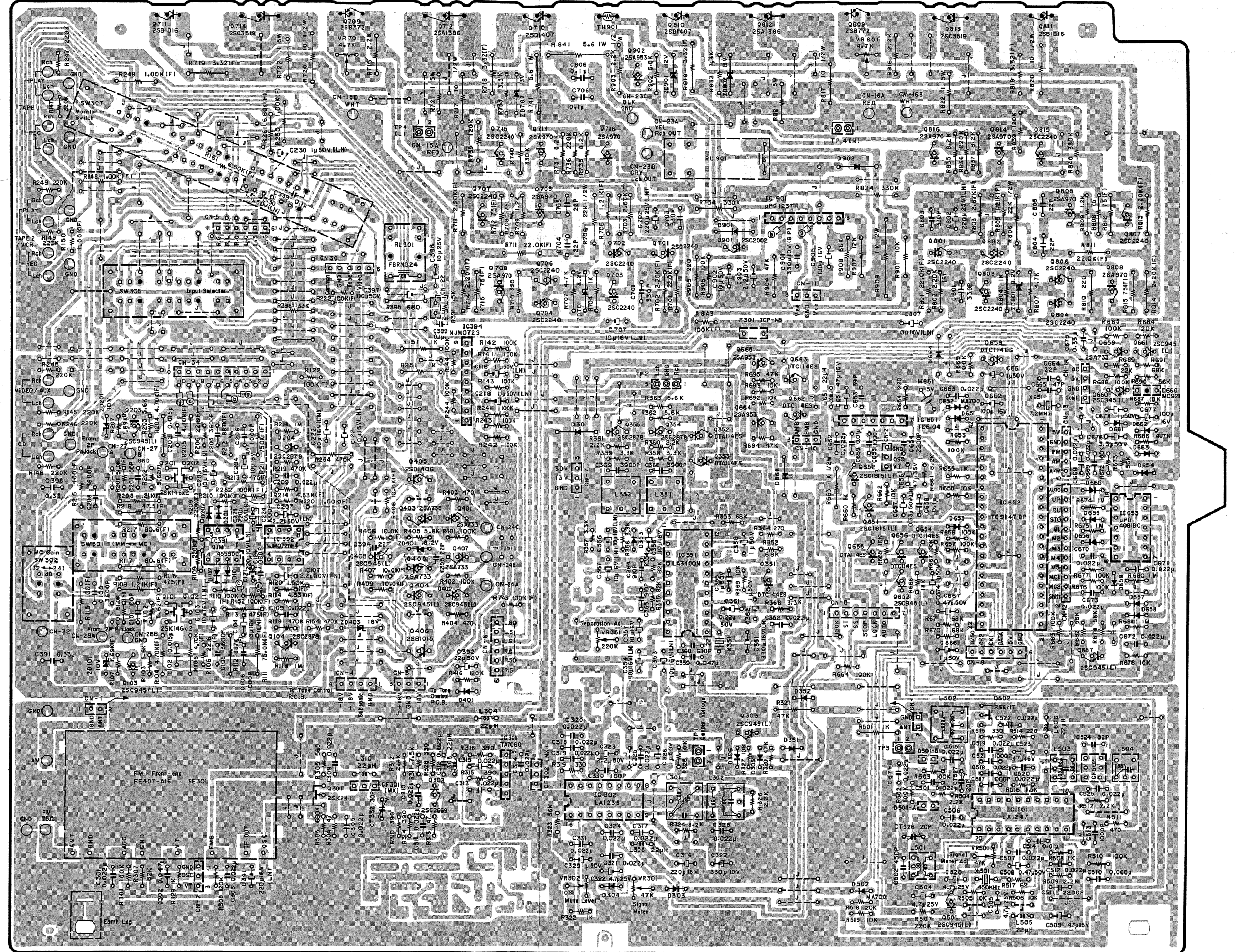


Fig. 5.13.1.2 1st Version (For SR-3 (Canada) & SR-3A)

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
	BA06237A	Main P.C.B. Ass'y (SR-3 (Canada) & SR-3A) 1st Version															
	— FM —																
IC301	OB11156A	IC TA7060AP	R511	OB09669A	RK 470 1/6W J	R653,656	OB09725A	RK 100K 1/6W J	C108,208	OB41706A	CSP 3600P		— Protector —			OB90210A	Insu-Lock (3)
IC302	OB11157A	IC LA1235	R514	OB09661A	RK 220 1/6W J	657,664			C121,221	OB40422A	CE 220μ 10V (LN)	IC901	OB11246A	IC μPC1237H		OE00868A	BT 3x8 @ Pan (7)
Q301	OB10127A	FET 2SK241 (GR)	R515	OB09665A	RK 330 1/6W J	667,669			C391,396	OB41304A	CMM 0.33μ 50V J	Q714,716	OB10050A	TR 2SA970 (BL)		OE03138A	M3x10 @ Pan (10)
Q302	OB10174A	TR 2SC2669 (O,Y)	R516	OB09681A	RK 1.5K 1/6W J	672,676			SW301	OB70076A	Push Switch 4-2	Q715,815				OJ05199A	Heat Sink (1)
Q303	OB01872A	TR 2SC945L (P,O)	R517	OB09648A	RK 62 1/6W J	677,683			SW302	OB70078A	Slide Switch 4-2	Q715,815				OJ05205A	Heat Sink Holder A (1)
D303-306	OB06398A	SiD 1SS176 (4)	R518	OB09708A	RK 20K 1/6W J	685,688			CN34	OB82862A	10P Connector	Q902	OB06142A	TR 2SC2240 (BL)			
L301	OB51240A	FM Det. Coil A	CF502	OB41701A	Ceramic Filter SFZ450G3L	R654	OB09661A	RK 220 1/6W J		— Subsonic Filter —		ZD702,802	OB06322A	TR 2SC2002 (K,L)			
L302	OB51241A	FM Det. Coil B			C Trimmer 20P	R655,660	OB09677A	RK 1K 1/6W J				ZD901	OB06372A	TR 2SA953 (K,L)			
L304,305	OB51239A	Micro Coil 22μH		OB42005A	CC 0.022μ 25V	R658,662	OB09701A	RK 10K 1/6W J				D901,902	OB12390A	ZD 13V RD13EB3			
306,310				OB41554A	CC 0.022μ 25V	665,678						R733,833	OB06123A	ZD 12V RD12EB3			
VR301	OB32084A	Semi VR 47K				692,693						R734,740	OB06181A	SiD 1SS53			
VR302	OB32080A	Semi VR 10K		OB41401A	CP 430P 50V J	R661	OB09699A	RK 8.2K 1/6W J	IC392	OB11005A	IC NJM072DE	R735,737	OB06181A	SiD 1SS53			
R301	OB09725A	RK 100K 1/6W J		OB01402A	CE 4.7μ 25V	R663	OB09707A	RK 18K 1/6W J	Q104,204	OB12186A	ZD 18V RD18JSB2	R736,836	OB06181A	RK 3.3K 1/4W J			
R303	OB09745A	RK 680K 1/6W J				R674,675	OB09721A	RK 68K 1/6W J	D403	OB06398A	SiD 1SS176	R739,839	OB06181A	RK 330K 1/4W J			
R304,313	OB09645A	RK 47 1/6W J				680,681			D401	OB22303A	RM 4.53K 1/6W F	R901	OB06181A	RK 3.3K 1/4W J			
R305	OB09671A	RK 560 1/6W J				R684	OB09719A	RK 56K 1/6W J	R114,214	OB09749A	RK 1M 1/6W J	R902	OB06181A	RK 3.3K 1/4W J			
R307	OB09723A	RK 82K 1/6W J				R686			R118,218	OB09741A	RK 470K 1/6W J	R903	OB06181A	RK 3.3K 1/4W J			
R308	OB09727A	RK 120K 1/6W J				R689			R119,154			R904	OB06181A	RK 3.3K 1/4W J			
R310,314	OB09667A	RK 390 1/6W J				R694,695			219			R905	OB06181A	RK 3.3K 1/4W J			
315,316						C651			R120,220			R906	OB06181A	RK 3.3K 1/4W J			
R311	OB09698A	RK 7.5K 1/6W J				C652,663			R254			R907	OB06181A	RK 3.3K 1/4W J			
R312	OB09686A	RK 2.4K 1/6W J				668-673			R416			R908	OB06181A	RK 3.3K 1/4W J			
R319,328	OB09665A	RK 330 1/6W J				679			C392			R909	OB06181A	RK 3.3K 1/4W J			
R320	OB09717A	RK 47K 1/6W J				C653			CN4			C902	OB06181A	RK 3.3K 1/4W J			
R321	OB05641A	RK 47K 1/4W J				C654						C903	OB06181A	RK 3.3K 1/4W J			
R322,329	OB09677A	RK 1K 1/6W J				C655						C905	OB06181A	RK 3.3K 1/4W J			
R323	OB09719A	RK 56K 1/6W J				C656						RL901	OB06181A	RK 3.3K 1/4W J			
R324	OB09699A	RK 8.2K 1/6W J				C657						CN11	OB06181A	RK 3.3K 1/4W J			
R325,327	OB09701A	RK 10K 1/6W J				C658											
R326	OB09685A	RK 2.2K 1/6W J				C659											
CF301,302	OB41700A	Ceramic Filter SFE10.7MX2H-A				C661,666											
CT332	OB41614A	C Trimmer 30P				674,678											
C301,303	OB41554A	CC 0.022μ 25V Z				C662,677											
305,309						C664											
310,311						C665											
313,314						C666											
315,318						C667											
319,320						C675											
321,324						C676											
325,328						M651											
331						CN8											
C302	OB41294A	CMM 0.047μ 50V J				CN9											
C312,317	OB41290A	CMM 0.022μ 50V J				CN10											
C316	OB40079A	CE 220μ 16V				CN12											
C322	OB01402A	CE 4.7μ 25V				CN13											
C323	OB09372A	CE 2.2μ 50V				CN14											
C326,329	OB01405A	CE 1μ 50V															
C327	OB40066A	CE 330μ 10V															
C330	OB41071A	CC 100P 50V J															
C341	OB40420A	CE 220μ 16V (LN)															
FE301	OB11248A	IC Protector ICP-N5															
FE301	OB91016A	Front-end FE407-A16															
CN2	OB82792A	3P Connector W240															
CN7	OB82795A	3P Connector 370															
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															
R502,503	OB09725A	RK 100K 1/6W J															
510																	
R504,509	OB09685A	RK 2.2K 1/6W J															
512																	
R505,506	OB09701A	RK 10K 1/6W J															
519																	
R507	OB09733A	RK 220K 1/6W J															
R508	OB09677A	RK 1K 1/6W J															

5.14. Eq. Sub P.C.B. Ass'y

Note: This P.C.B. Ass'y is included in the Eq. Amp. section of the Main P.C.B. Ass'y.

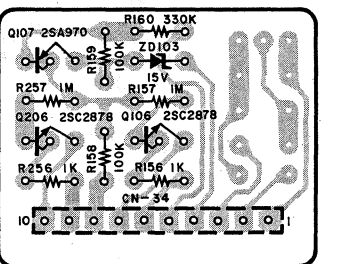


Fig. 5.14

5.13.2. For SR-3 (Other & Australia)
(1) 2nd Version

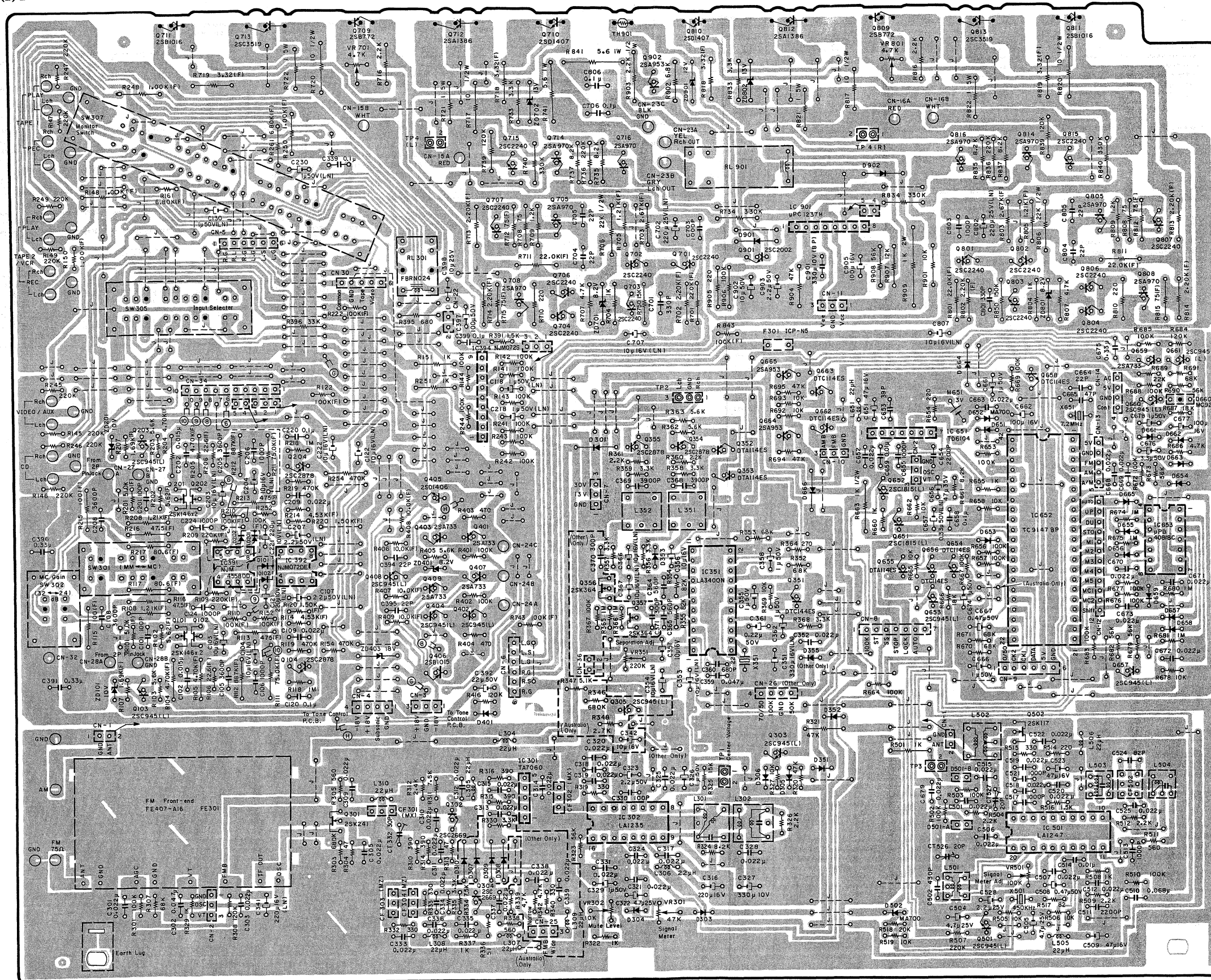


Fig. 5.13.2.1 2nd Version (For SR-3 (Other & Australia))

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

Schematic Ref. No.	Part No.	Description
	BA06239A	Main P.C.B. Ass'y (SR-3 (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	OB09727A	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
R320	OB09717A	RK 47K 1/6W J
R321	OB05641A	RK 47K 1/4W J
R322,329	OB09677A	RK 1K 1/6W J
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 SFE10.7MX3GH15/
CT332	OB41614A	C Trimmer 30P
C301,303	OB41554A	CC 0.022μ 25V Z (24)
C305,309		
C310,311		
C313,314		
C315,318		
C319,320		
C321,324		
C325,328		
C331		
C333-339		
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	OB32086A	Semi VR 100K
R501	OB01857A	RK 1K 1/4W J

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 R504,509 512 R505,506 519 R507 R508 R511 R514 R515 R516 R517 R518 CF502	OB09725A OB09685A OB09701A OB09733A OB09677A OB09671A OB09661A OB09665A OB09681A OB09651A OB09708A OB41701A	RK 100K 1/6W J RK 2.2K 1/6W J RK 10K 1/6W J RK 220K 1/6W J RK 1K 1/6W J RK 560 1/6W J RK 220 1/6W J RK 330 1/6W J RK 1.5K 1/6W J RK 82 1/6W J RK 20K 1/6W J Ceramic Filter SFZ450G3L C Trimmer 20P	Q655 Q659 Q664,665 D301,664 666 D651 653-659 661,662 663,665 D652 D660 L651 X651 R653,656 657,664 667,669 672,676 677,683 685,688 R654 R655,660 R658,662 665,678 692,693 R661 R663 R666,687 R670,671 691 R673,679 682,690 R674,675 680,681 R684 R686 R689 R694,695 C651 C652,663 668-673 679 C653 C654 C655 C656 C657 C658 C659 C661,666 674,678 C662,677 C664 C665 C667 C675 C676 M651 CN8 CN9 CN10 CN12 CN13 CN14	OB10058A OB06013A OB06372A OB06181A OB06398A OB12363A OB12100A OB51239A OB92006A OB09725A OB09661A OB09677A OB09701A OB09699A OB24114A OB09707A OB09721A OB09719A OB09749A OB09727A OB09693A OB09709A OB09717A OB01403A OB41554A OB41187A OB09586A OB09288A OB40103A OB09327A OB41298A OB41553A OB01405A OB01400A OB41708A OB41709A OB40111A OB41304A OB01863A OB90200B OB81639A OB81638A OB81635A OB81644A OB81637A OB82802A OB06146A OB01095A OB01872A OB12168A OB06398A OB22423A OB22684A OB09695A OB09356A OB22039A OB22253A OB22635A OB22493A OB22457A OB09562A	TR DTA114ES TR 2SA733 (P,Q) TR 2SA953 (K,L) SiD 1SS53 SiD 1SS176 (12) SiD MA700 SiD MC921 Micro Coil 22μH Crystal 7.2MHz RK 100K 1/6W J RK 220 1/6W J RK 1K 1/6W J RK 10K 1/6W J RK 8.2K 1/6W J RF 1K 1/2W J RK 18K 1/6W J RK 68K 1/6W J RK 56K 1/6W J RK 1M 1/6W J RK 120K 1/6W J RK 4.7K 1/6W J RK 22K 1/6W J RK 47K 1/6W J CE 47μ 16V CC 0.022μ 25V CC 39P 50V J CC 2200P 50V K CC 1000P 50V K CC 0.01μ 25V CC 82P 50V K CE 2.2μ 50V Crystal 450kHz BFU450C4N 2P Connector 250mm 2P-T Post CC 1μ 50V CE 10μ 16V CC 0.047μ 25V CC 680P 50V K CE 0.22μ 50V CP 560P 50V J CMM 3900P 50V J CP 300P 50V J Ceramic Filter CSB456F11 4P-T Post 3P-T Post 2P-T Post IC NJM4558DD FET 2SK146 (BL,V) TR 2SC945L (P,Q) ZD 10V RD10JS-T1B2 SiD 1SS176 RM 51.0K 1/6W F RM 5.62 1/4W F RK 5.6K 1/6W J RM 4.7K 1/4W F RM 22.6 1/6W F RM 1.69K 1/6W F RM 1.21K 1/4W F RM 220K 1/6W F RM 100K 1/6W F RM 75.0K 1/4W F	R112,212 R113,213 R115,215 R116,216 R117,217 C101,201 C102,202 C103,104 122,203 204,222 C105,205 C106,124 206,224 C108,208 C121,221 C391,396 SW301 SW302 CN34 IC392 Q104,204 ZD403 D401 R114,214 R118,218 R119,154 219 R120,220 R254 R416 C107,207 C109,209 C120,220 CN4 Q401,403 407,409 Q402,404 408 Q405 Q406 ZD401 R401,402 R403,404 R405 R406,407 408,409 C394,395 CN3 GJ HJ IC394 R141-144 241-244 R151,251 C118,218 R145,146 R147,149 245,246 247,249 R148,248 250 R150 R161 R261 R391 R395 R396 C130,230 C339,399 C397 C398	OB22641A OB22576A OB22567A OB22643A OB09891A OB41703A OB41585A OB09816A OB41238A OB41225A OB41706A OB40422A OB41304A OB70076A OB70078A OB82862A BA06317A OB11005A OB06299A OB12186A OB06398A SiD 1SS176 OB22303A OB09749A OB09741A OB22247A OB01684A OB09727A OB09933A OB05582A OB41298A OB40117A OB81636A OB06013A OB01872A OB06452A OB06451A OB12162A OB09725A OB09669A OB09695A OB22343A OB41507A OB81635A OB82135B OB82215A OB06808B OE00972A OE03319A OB11070A OB01889A OB01857A OB09814A OB09491A OB22229A OB22324A OB09529A OB09681A OB05794A OB05509A OB09814A OB41298A OB40120A OB01674A	RM 887K 1/4W F RM 475 1/4W F RM 100 1/4W F RM 47.5 1/4W F RM 80.6 1/4W F CSP 100P 50V J CM 0.015μ 100V J CE 10μ 16V (LN) CP 3600P 100V J CP 1000P 100V J CSP 3600P 50V J CE 220μ 10V (LN) CMM 0.33μ 50V J Push Switch 4-2 Slide Switch 4-2 10P Connector Eq. Sub P.C.B. Ass'y IC NJM072DE TR 2SC2878 ZD 18V RD18JSB2 SiD 1SS176 RM 4.53K 1/6W F RK 1M 1/6W J RK 470K 1/6W J RM 1.50K 1/6W F RK 470K 1/4W J RK 120K 1/6W J RF 2.2K 1/2W J CE 2.2μ 50V (LN) CM 0.022μ 50V J CF 0.1μ 50V J CE 22μ 50V 4P-T Post TR 2SA733 (P,Q) TR 2SC945L (P,Q) TR 2SD1406 (Y) TR 2SB1015 (Y) ZD 8.2V RD8.2JS-T1B2 RK 100K 1/6W J RK 470 1/6W J RK 5.6K 1/6W J RM 10.0K 1/6W F C 22P 50V J 3P-T Post PD Connector V130 PD Connector V090 Heat Sink A (2) Nut Hex. M3 (2) M3x8 @ Binding (2) IC NJM072S RK 100K 1/4W J (8) RK 1K 1/4W J CE 1μ 50V (LN) RM 1.00K 1/4W F RM 1.00K 1/6W F RM 6.80K 1/6W F RM 6.8K 1/4W F RK 1.5K 1/4W J RK 680 1/4W J RK 33K 1/4W J CE 1μ 50V (LN) CMM 0.1μ 50V J CE 10μ 50V CE 10μ 25V	RL301 SW305 SW307 CN5,6 CN27A CN27B CN28A CN30 IC901 Q714,716 814,816 Q715,815 Q901 Q902 ZD702,802 ZD901 D901,902 R733,833 R734,740 834,840 R735,737 835,837 R736,836 R739,839 R901 R902 R903 R904 R905 R906 R907 R908 R909 C901 C902 C903 C905 RL901 CN11 Q701-704 706,707 801-804 806,807 Q705,708 805,808 ZD701,801 VR701,801 R701,711 801,811 R702,713 714,802 813,814 R703,803 R704,804 R705,805 R706,806 R707,807 R708,808 R709,809 R710,810 R712,715 812,815 R716,816 R717,720 817,820 R718,719 818,819 R721,722 821,822 R741,841 R743,843 R750,850 C701,801 C702,802 C703,803 C704,705 C706,806 C707,807	OB90204A OB70082A OB70083A OB81013A OB82750A OB82751A OB82752A OB82806A OB81020A OB81593A OB11246A OB10050A OB06142A OB06322A OB06372A OB12390A OB06123A OB06181A OB01681A OB05627A OB01856A OB05625A OB05621A OB01888A OB01682A OB24113A OB05641A OB01933A OB09263A OB05508A OB24107A OB40408A OB40116A OB09372A OB01400A OB90199A OB82799A OB06142A OB10050A OB12162A OB32078A OB09441A OB09420A OB09421A OB01857A OB22635A OB24111A OB01846A OB05959A OB05623A OB01933A OB22632A OB05622A OB24110A OB22700A OB24094A OB24112A OB22457A OB01683A OB41213A OB40421A OB41225A OB41702A OB41594A OB09816A	Relay FBR42ND024P Rotary Slide Switch 4-4 Rotary Slide Switch 8-6 Dip Mate 6P PD Connector V80 PD Connector V80 PD Connector V80 5P Connector 2P Pin Jack (1) 4P Pin Jack (3) IC μPC1237H TR 2SA970 (BL) TR 2SC2240 (BL) TR 2SC2002 (K,L) TR 2SA953 (K,L) ZD 13V RD13EB3 ZD 12V RD12EB3 SiD 1SS53 RK 3.3K 1/4W J RK 330K 1/4W J RK 8.2K 1/4W J RK 220K 1/4W J RK 120K 1/4W J RK 10K 1/4W J RK 6.8K 1/4W J RF 2.2K 1/2W J RK 47K 1/4W J RK 220 1/4W J RK 12K 1/4W J RK 56K 1/4W J RF 1K 2W J CE 330μ 10V (BP) CE 10μ 50V CE 2.2μ 50V CE 100μ 16V Relay 24V 3P Connector TR 2SC2240 (BL) (12) TR 2SA970 (BL) ZD 8.2V RD8.2JSB2 Semi VR 4.7K RM 22K 1/4W F RM 2.2K 1/4W F RM 2.67K 1/4W F RK 1K 1/4W J RM 1.21K 1/4W F RF 22K 1/2W J RK 4.7K 1/4W J RK 75 1/4W J RK 1.2K 1/4W J RK 220 1/4W J RM 75 1/4W F RK 2.2K 1/4W J RF 10 1/2W J RM 3.32 1/4W F RC 1 5W K RF 5.6 1W J RM 100K 1/6W F RK 15K 1/4W J CP 330P 100V J CE 220μ 25V (LN) CP 1000P 100V J CSP 22P 50V J CM 0.1μ 100V J CE 10μ 16V (LN)	TP4L,4R Q709,809 Q710,810 Q711,811 Q712,812 Q713,813 TH901 OB82748B OJ05199A OJ05205A OJ05207A OJ05212C OE00607A OB81596A OB90019A BA06310A IC301 IC302 Q301 Q302,304 Q303,305 D303-306 L301 L302 L304-308 310 VR301 VR302 R301 R303,346 R304,313 R305,338 R307 R308 R310,314 R315,316 R311,334 R312 R319,332 333 R320 R321 R322,329 337 R323 R324 R325 R326 R327 R335 R336 R347 R348 CF301,302 CF303,304 CT332 C301,303 305,309 310,311 313,314 315,318 319,320 321,324 325,328 331,333	OB81634A — Miscellaneous — OB60377F OB06303A OB10121A OB10120A OB10178A OB10180A OB19004A OB90201A OE00868A OE03138A OB82748B OJ05199A OJ05205A OJ05207A OJ05212C OE00607A OB81596A OB90019A BA06310A OB11156A OB11157A OB10127A OB10174A OB01872A OB06398A OB51240A OB51241A OB51239A OB32084A OB32080A OB09725A OB09745A OB09645A OB09671A OB09721A OB09727A OB09667A OB09698A OB09686A OB09665A OB09717A OB05641A OB09677A OB09719A OB09699A OB09705A OB09685A OB09701A OB09689A OB09646A OB09694A OB09687A OB41818A OB41746A OB41614A OB41554A	2P-T Post Main P.C.B. TR 2SB772 (P,Q) TR 2SD1407 TR 2SB1016 TR 2SA1386 (P,Y) TR 2SC3519 (P,Y) Thermistor 50KD-5 Insulator (2) BT3x8 @ Binding (4) M3x10 @ Binding PD Connector (1) Heat Sink (1) Heat Sink Holder A Main P.C.B. Holder Thermistor Holder M3x8 @ Pan (3A) Antenna Terminal SK Binder Main P.C.B. Ass'y (SR-3 (Australia)) 2nd Version IC TA7060AP IC LA1235 FET 2SK241 (GR) TR 2SC2669 (O,Y) TR 2SC945L (P,O) SiD 1SS176 (4) FM Det. Coil A FM Det. Coil B Micro Coil 22μH (6) Semi VR 47K Semi VR 10K RK 100K 1/6W J RK 680K 1/6W J RK 47 1/6W J RK 560 1/6W J RK 68K 1/6W J RK 120K 1/6W J RK 390 1/6W J RK 7.5K 1/6W J RK 2.4K 1/6W J RK 330 1/6W J RK 47K 1/6W J RK 47K 1/4W J RK 1K 1/6W J RK 56K 1/6W J RK 8.2K 1/6W J RK 15K 1/6W J RK 2.2K 1/6W J RK 10K 1/6W J RK 3.3K 1/6W J RK 51 1/6W J RK 5.1K 1/6W J RK 2.7K 1/6W J Ceramic Filter SFE10.7MX2K-A Ceramic Filter SFE10.7MS3GH15A C Trimmer 30P CC 0.022μ 25V Z	334,335 336,337 C302 C312,317 C316 C322 C323 C326,329 C327 C330 C341 C342 F301 FE301 CN2 CN7 TP1 IC351 Q351 Q352,353 Q354,355 D351,352 353 L351,352 VR351 R352,353 R354,355 R356-359 368 R360,361 R362,363 R364 R369 C351 C352 C353,354 366,367 C355,358 362 C356,357 C359 C360 C361 C364,365 C368,369 C370,371 X351 CN26 CN36 TP2 Q106,206 Q107 ZD103 R156,256 R157,257 R158,159 R160 CN34	OB41294A OB41290A OB40079A OB01402A OB09372A OB01405A OB40066A OB41071A OB40420A OB01412A OB11248A OB91016A OB82792A OB82795A OB81634A OE03355A — MPX — OB11245A OB10062A OB10058A OB06299A OB51237A OB32066A OB09721A OB09723A OB09689A OB09685A OB09695A OB09663A OB09701A OB40418A OB41290A OB09816A OB01405A OB01412A OB41555A OB09287A OB40023A OB41404A OB41281A OB90172A OB81635A — Miscellaneous — OM04956A BA06317A OB60394B OB06299A OB10050A OB12321A OB09677A OB09749A OB09725A OB09737A OB81631A	CMM 0.047μ 50V J CMM 0.022μ 50V J CE 220μ 16V CE 4.7μ 25V CE 2.2μ 50V CE 1μ 50V CE 330μ 10V CC 100P 50V J CE 220μ 16V (LN) CE 10μ 16V IC Protector ICP-N5 Front-end FE407-A16 3P Connector W240 3P Connector 370 2P-T Post Earth Lug (1) IC LA3400N TR DTC144ES TR DTA114ES TR 2SC2878 SiD 1SS176 MPX Filter Semi VR 220K RK 68K 1/6W J RK 82K 1/6W J RK 3.3K 1/6W J RK 2.2K 1/6W J RK 5.6K 1/6W J RK 270 1/6W J RK 10K 1/6W J CE 330μ 16V (LN) CMM 0.022μ 50V J CE 10μ 16V (LN) CE 1μ 50V CE 10μ 16V CC 0.047μ 25V CC 680P 50V K CE 0.22μ 50V CP 560P 50V J CMM 3900P 50V J Ceramic Filter CSB456F11 3P-T Post Eq. Sub P.C.B. TR 2SC2878 TR 2SA970 (BL) ZD 15V MT215C RK 1K 1/6W J RK 1M 1/6W J RK 100K 1/6W J RK 330K 1/6W J Eq. Sub P.C.B. TR 2SC2878 TR 2SA970 (BL) ZD 15V MT215C RK 1K 1/6W J RK 1M 1/6W J RK 100K 1/6W J RK 330K 1/6W J 10P Connector

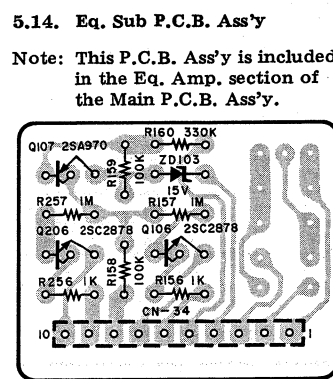


Fig. 5.14

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

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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 R504,509 512 R505,506 519 R507 R508 R511 R514 R515 R516 R517 R518 CF502	OB09725A OB09685A OB09701A OB09733A OB09677A OB09669A OB09661A OB09665A OB09681A OB09648A OB09708A OB41701A	RK 1.00K 1/6W J RK 2.2K 1/6W J RK 1.0K 1/6W J RK 220K 1/6W J RK 1K 1/6W J RK 470 1/6W J RK 220 1/6W J RK 330 1/6W J RK 1.5K 1/6W J RK 62 1/6W J RK 20K 1/6W J Ceramic Filter SFZ450G3L C Trimmer 20P CC 0.022μ 25V	Q659 Q664,665 D301,664 666 D651 653-659 661,662 663,665 D652 D660 L651 X651 R653,656 657,664 667,669 672,676 677,683 685,688 R654 R655,660 R658,662 665,678 692,693 R661 R663 R666,687 R670,671 691 R673,679 682,690 R674,675 680,681 R684 R686 R689 R694,695 C651 C652,663 668-673 679 C653 C654 C655 C656 C657 C658 C659 C661,666 674,678 662,677 C664 C665 C667 C675 C676 M651 CN8 CN9 CN10 CN12 CN13 CN14	OB06013A OB06372A OB06181A OB06398A OB12363A OB12100A OB51239A OB92006A OB09725A OB09661A OB09677A OB09701A OB09699A OB24114A OB09707A OB09721A OB09719A OB09749A OB09727A OB09693A OB09709A OB09717A OB01403A OB41554A OB41187A OB09586A OB09288A OB40103A OB09327A OB41298A OB41553A OB01405A OB01400A OB41708A OB41709A OB40111A OB41304A OB01863A OB90200B OB81639A OB81638A OB81635A OB81644A OB81637A OB82802A OB06146A OB10195A OB01872A OB12168A OB06398A OB22423A OB22684A OB09695A OB09356A OB22039A OB22253A OB22635A OB22493A OB22457A OB09562A OB22641A OB22576A OB22567A	TR 2SA733 (P,Q) TR 2SA953 (K,L) SiD 1SS53 SiD 1SS176 (12) SiD MA700 SiD MC921 Micro Coil 22μH Crystal 7.2MHz RK 100K 1/6W J RK 220 1/6W J RK 1K 1/6W J RK 10K 1/6W J RK 8.2K 1/6W J RF 1K 1/2W J RK 18K 1/6W J RK 68K 1/6W J RK 56K 1/6W J RK 1M 1/6W J RK 120K 1/6W J RK 4.7K 1/6W J RK 22K 1/6W J RK 47K 1/6W J CE 47μ 16V CC 0.022μ 25V CC 39P 50V J CC 2200P 50V K CC 1000P 50V K CC 47μ 35V CE 0.33μ 50V (LN) CMM 0.1μ 50V J CC 0.01μ 25V CE 1μ 50V CE 100μ 16V CC 22P 50V J CC 47P 50V J CE 0.47μ 50V CMM 0.33μ 50V J CE 3.3μ 50V Lithium Battery 3V CR2430-FT4-1 7P-T Post 6P-T Post 3P-T Post 12P-T Post 5P-T Post 4P Connector IC NJM4558DD FET 2SK146 (BL,V) TR 2SC945L (P,Q) ZD 10V RD10JS-T1B2 SiD 1SS176 RM 51.0K 1/6W F RM 5.62 1/4W F RK 5.6K 1/6W J RM 4.7K 1/4W F RM 22.6 1/6W F RM 1.69K 1/6W F RM 1.21K 1/4W F RM 220K 1/6W F RM 100K 1/6W F RM 75.0K 1/4W F RM 887K 1/4W F RM 475 1/4W F RM 100 1/4W F	R116,216 R117,217 C101,201 C102,202 C103,104 122,203 204,222 C105,205 C106,124 206,224 C108,208 C121,221 C391,396 SW301 SW302 CN34 IC392 Q104,204 ZD403 D401 R114,214 R118,218 R119,154 219 R120,220 R254 R416 C107,207 C109,209 C392 CN4 Q401,403 407,409 Q402,404 408 Q405 Q406 ZD401 R401,402 R403,404 R405 R406,407 408,409 C394,395 CN3 R145,146 147,149 245,246 247,249 R148,150 248,250 R161 R261 R391 R395 R396 C130,230 C339,399 C397 C398 RL301 SW305 SW307	OB22643A OB22104A OB41703A OB41585A OB09816A OB41238A OB41225A OB41706A OB40422A OB41304A OB70076A OB70078A OB82862A BA06317A OB11005A OB06299A OB12186A OB06398A OB22303A OB09749A OB09741A OB22247A OB01684A RK 470K 1/4W J OB09727A RK 120K 1/6W J OB09933A CE 2.2μ 50V (LN) OB05582A CM 0.022μ 50V J OB40117A CE 22μ 50V 4P-T Post OB06013A TR 2SA733 (P,Q) OB01872A TR 2SC945L (P,Q) OB06452A TR 2SD1406 (Y) OB06451A TR 2SB1015 (Y) OB12162A ZD 8.2V RD8.2JS-T1B2 RK 100K 1/6W J RK 470 1/6W J RK 5.6K 1/6W J RM 10.0K 1/6W F OB41507A C 22P 50V J OB81635A 3P-T Post OB80680B Heat Sink A (2) OE00972A Nut Hex. M3 (2) OE03319A M3x8 @ Binding (2) OB11070A IC NJM072S OB11889A RK 100K 1/4W J OB01857A RK 1K 1/4W J OB09814A CE 1μ 50V (LN) OB09733A RK 220K 1/6W J OB22229A RM 1.00K 1/6W F OB22324A RM 6.80K 1/6W F OB09529A RM 6.8K 1/4W F OB09681A RK 1.5K 1/4W J OB05794A RK 680 1/4W J OB05509A RK 33K 1/4W J OB09814A CE 1μ 50V (LN) OB41298A CMM 0.1μ 50V J OB40120A CE 100μ 50V OB01674A CE 10μ 25V Relay FBR42ND024P Rotary Slide Switch 4-4 Rotary Slide Switch 8-6 Q709,809	CN5,6 CN27A CN27B 28B,32 CN28A CN30 IC901 Q714,716 814,816 Q715,815 Q901 Q902 ZD702,802 ZD901 D901,902 R733,833 R734,740 834,840 R735,737 835,837 R736,836 R739,839 R901 R902 R903 R904 R905 R906 R907 R908 R909 C901 C902 C903 C905 RL901 CN11 Q701-704 706,707 801-804 806,807 Q705,708 805,808 ZD701,801 VR701,801 R701,711 801,811 R702,713 714,802 813,814 R703,803 R704,804 R705,805 R706,806 R707,807 R708,808 R709,809 R710,810 R712,715 812,815 R716,816 R717,720 817,820 R718,719 818,819 R721,722 821,822 R741,841 R743,843 C701,703 801,803 C702,802 C704,705 804,805 C706,806 C707,807 TP4L,4R OB81013A Dip Mate 6P OB82750A PD Connector V80 OB82751A PD Connector V80 OB82752A PD Connector V80 OB82806A 5P Connector OB81020A 2P Pin Jack (1) OB81593A 4P Pin Jack (3) — Protector — OB11246A IC μPC1237H OB10050A TR 2SA970 (BL) OB06142A TR 2SC2240 (BL) OB06322A TR 2SC2002 (K,L) OB06372A TR 2SA953 (K,L) OB12390A ZD 13V RD13EB3 OB06123A ZD 12V RD12EB3 OB06181A SiD 1SS53 OB01681A RK 3.3K 1/4W J OB05627A RK 330K 1/4W J OB01856A RK 8.2K 1/4W J OB05625A RK 220K 1/4W J OB05621A RK 120K 1/4W J OB01888A RK 10K 1/4W J OB01682A RK 6.8K 1/4W J OB24113A RF 2.2K 1/2W J OB05641A RK 47K 1/4W J OB01933A RK 220 1/4W J OB01889A RK 100K 1/4W J OB09263A RK 12K 1/4W J OB05508A RK 56K 1/4W J OB24107A RF 1K 2W J OB40408A CE 330μ 10V (BP) OB40116A CE 10μ 50V OB09372A CE 2.2μ 50V OB01400A CE 100μ 16V OB90199A Relay 24V OB82799A 3P Connector OB06142A TR 2SC2240 (BL) (12) OB10050A TR 2SA970 (BL) OB06418A ZD 8.2V RD8.2JB2 OB32078A RM 22K 1/4W F OB09441A RM 22K 1/4W F OB09420A RM 2.2K 1/4W F OB09421A RM 2.67K 1/4W F OB01857A RK 1K 1/4W J OB22635A RM 1.21K 1/4W F OB24111A RF 22K 1/2W J OB01846A RK 4.7K 1/4W J OB05959A RK 75 1/4W J OB05623A RK 1.2K 1/4W J OB01933A RK 220 1/4W J OB22632A RM 75 1/4W F OB05622A RK 2.2K 1/4W J OB24110A RF 10 1/2W J OB22700A RM 3.32 1/4W F OB24094A RC 1 5W K OB24112A RF 5.6 1W J OB22457A RM 100K 1/6W F OB41213A CP 330P 100V J OB40421A CE 220μ 25V (LN) OB41702A CSP 22P 50V J OB41594A CM 0.1μ 100V J OB09816A CE 10μ 16V (LN) OB81634A 2P-T Post — Miscellaneous — OB60377A Main P.C.B. OB06303A TR 2SB772 (P,Q)	Q710,810 Q711,811 Q712,812 Q713,813 TH901 QJ05199A QJ05205A QJ05207A QJ05212C OE00606A OB81596A OB90019A BA06310A Main P.C.B. Ass'y (SR-3 (Australia)) 1st Version Note: BA06310A is the same as BA06239A except for the following sections. — FM — IC301 IC302 Q301 Q302,304 Q303,305 D303-306 L301 L302 L304-308 310 VR301 VR302 R301 R303,346 R304,313 R305,338 R307 R308 R310,314 315,316 R311,334 R312 R319,332 333 R320 R321 R322,329 337 R323 R324 R325 R326,348 R327 R335 R336 R347 CF301,302 CF303,304 CT332 C301,303 305,309 310,311 313,314 315,318 319,320 321,324 325,328 331,333 334,335 336,337 C302 C312,317 C316 C322 OB10121A TR 2SD1407 OB10120A TR 2SB1016 OB10178A TR 2SA1386 (P,Y) OB10180A TR 2SC3519 (P,Y) OB19004A Thermistor 50KD-5 OB90201A Insulator (2) OB90210A Insu-Lock (3) OE00868A BT3x8 @Pan (7) OE03138A M3x10 @Pan (Nickel) (10) Heat Sink (1) Heat Sink Holder A (1) Main P.C.B. Holder (2) Thermistor Holder (1) M3x6 @Pan (3A) (2) OB81596A Antenna Terminal (1) OB90019A SK Binder (1) BA06310A Main P.C.B. Ass'y (SR-3 (Australia)) 1st Version Note: BA06310A is the same as BA06239A except for the following sections. — FM — IC301 IC302 Q301 Q302,304 Q303,305 D303-306 L301 L302 L304-308 310 VR301 VR302 R301 R303,346 R304,313 R305,338 R307 R308 R310,314 315,316 R311,334 R312 R319,332 333 R320 R321 R322,329 337 R323 R324 R325 R326,348 R327 R335 R336 R347 CF301,302 CF303,304 CT332 C301,303 305,309 310,311 313,314 315,318 319,320 321,324 325,328 331,333 334,335 336,337 C302 C312,317 C316 C322 OB10121A TR 2SD1407 OB10120A TR 2SB1016 OB10178A TR 2SA1386 (P,Y) OB10180A TR 2SC3519 (P,Y) OB19004A Thermistor 50KD-5 OB90201A Insulator (2) OB90210A Insu-Lock (3) OE00868A BT3x8 @Pan (7) OE03138A M3x10 @Pan (Nickel) (10) Heat Sink (1) Heat Sink Holder A (1) Main P.C.B. Holder (2) Thermistor Holder (1) M3x6 @Pan (3A) (2) OB81596A Antenna Terminal (1) OB90019A SK Binder (1) BA06310A Main P.C.B. Ass'y (SR-3 (Australia)) 1st Version Note: BA06310A is the same as BA06239A except for the following sections. — FM — IC301 IC302 Q301 Q302,304 Q303,305 D303-306 L301 L302 L304-308 310 VR301 VR302 R301 R303,346 R304,313 R305,338 R307 R308 R310,314 315,316 R311,334 R312 R319,332 333 R320 R321 R322,329 337 R323 R324 R325 R326,348 R327 R335 R336 R347 CF301,302 CF303,304 CT332 C301,303 305,309 310,311 313,314 315,318 319,320 321,324 325,328 331,333 334,335 336,337 C302 C312,317 C316 C322 OB10121A TR 2SD1407 OB10120A TR 2SB1016 OB10178A TR 2SA1386 (P,Y) OB10180A TR 2SC3519 (P,Y) OB19004A Thermistor 50KD-5 OB90201A Insulator (2) OB90210A Insu-Lock (3) OE00868A BT3x8 @Pan (7) OE03138A M3x10 @Pan (Nickel) (10) Heat Sink (1) Heat Sink Holder A (1) Main P.C.B. Holder (2) Thermistor Holder (1) M3x6 @Pan (3A) (2) OB81596A Antenna Terminal (1) OB90019A SK Binder (1) BA06310A Main P.C.B. Ass'y (SR-3 (Australia)) 1st Version Note: BA06310A is the same as BA06239A except for the following sections. — FM — IC301 IC302 Q301 Q302,304 Q303,305 D303-306 L301 L302 L304-308 310 VR301 VR302 R301 R303,346 R304,313 R305,338 R307 R308 R310,314 315,316 R311,334 R312 R319,332 333 R320 R321 R322,329 337 R323 R324 R325 R326,348 R327 R335 R336 R347 CF301,302 CF303,304 CT332 C301,303 305,309 310,311 313,314 315,318 319,320 321,324 325,328 331,333 334,335 336,337 C302 C312,317 C316 C322 OB10121A TR 2SD1407 OB10120A TR 2SB1016 OB10178A TR 2SA1386 (P,Y) OB10180A TR 2SC3519 (P,Y) OB19004A Thermistor 50KD-5 OB90201A Insulator (2) OB90210A Insu-Lock (3) OE00868A BT3x8 @Pan (7) OE03138A M3x10 @Pan (Nickel) (10) Heat Sink (1) Heat Sink Holder A (1) Main P.C.B. Holder (2) Thermistor Holder (1) M3x6 @Pan (3A) (2) OB81596A Antenna Terminal (1) OB90019A SK Binder (1) BA06310A Main P.C.B. Ass'y (SR-3 (Australia)) 1st Version Note: BA06310A is the same as BA06239A except for the following sections. — FM — IC301 IC302 Q301 Q302,304 Q303,305 D303-306 L301 L302 L304-308 310 VR301 VR302 R301 R303,346 R304,313 R305,338 R307 R308 R310,314 315,316 R311,334 R312 R319,332 333 R320 R321 R322,329 337 R323 R324 R325 R326,348 R327 R335 R336 R347 CF301,302 CF303,304 CT332 C301,303 305,309 310,311 313,314 315,318 319,320 321,324 325,328 331,333 334,335 336,337 C302 C312,317 C316 C322 OB10121A TR 2SD1407 OB10120A TR 2SB1016 OB10178A TR 2SA1386 (P,Y) OB10180A TR 2SC3519 (P,Y) OB19004A Thermistor 50KD-5 OB90201A Insulator (2) OB90210A Insu-Lock (3) OE00868A BT3x8 @Pan (7) OE03138A M3x10 @Pan (Nickel) (10) Heat Sink (1) Heat Sink Holder A (1) Main P.C.B. Holder (2) Thermistor Holder (1) M3x6 @Pan (3A) (2) OB81596A Antenna Terminal (1) OB90019A SK Binder (1) BA06310A Main P.C.B. Ass'y (SR-3 (Australia)) 1st Version Note: BA06310A is the same as BA06239A except for the following sections. — FM — IC301 IC302 Q301 Q302,304 Q303,305 D303-306 L301 L302 L304-308 310 VR301 VR302 R301 R303,346 R304,313 R305,338 R307 R308 R310,314 315,316 R311,334 R312 R319,332 333 R320 R321 R322,329 337 R323 R324 R325 R326,348 R327 R335 R336 R347 CF301,302 CF303,304 CT332 C301,303 305,309 310,311 313,314 315,318 319,320 321,324 325,328 331,333 334,335 336,337 C302 C312,317 C316 C322 OB10121A TR 2SD1407 OB10120A TR 2SB1016 OB10178A TR 2SA1386 (P,Y) OB10180A TR 2SC3519 (P,Y) OB19004A Thermistor 50KD-5 OB90201A Insulator (2) OB90210A Insu-Lock (3) OE00868A BT3x8 @Pan (7) OE03138A M3x10 @Pan (Nickel) (10) Heat Sink (1) Heat Sink Holder A (1) Main P.C.B. Holder (2) Thermistor Holder (1) M3x6 @Pan (3A) (2) OB81596A Antenna Terminal (1) OB90019A SK Binder (1) BA06310A Main P.C.B. Ass'y (SR-3 (Australia)) 1st Version Note: BA06310A is the same as BA06239A except for the following sections. — FM — IC301 IC302 Q301 Q302,304 Q303,305 D303-306 L301 L302 L304-308 310 VR301 VR302 R301 R303,346 R304,313 R305,338 R307 R308 R310,314 315,316 R311,334 R312 R319,332 333 R320 R321 R322,329 337 R323 R324 R325 R326,348 R327 R335 R336 R347 CF301,302 CF303,304 CT332 C301,303 305,309 310,311 313,314 315,318 319,320 321,324 325,328 331,333 334,335 336,337 C302 C312,317 C316 C322 OB10121A TR 2SD1407 OB10120A TR 2SB1016 OB10178A TR 2SA1386 (P,Y) OB10180A TR 2SC3519 (P,Y) OB19004A Thermistor 50KD-5 OB90201A Insulator (2) OB90210A Insu-Lock (3) OE00868A BT3x8 @Pan (7) OE03138A M3x10 @Pan (Nickel) (10) Heat Sink (1) Heat Sink Holder A (1) Main P.C.B. Holder (2) Thermistor Holder (1) M3x6 @Pan (3A) (2) OB81596A Antenna Terminal (1) OB90019A SK Binder (1) BA06310A Main P.C.B. Ass'y (SR-3 (Australia)) 1st Version Note: BA06310A is the same as BA06239A except for the following sections. — FM — IC301 IC302 Q301 Q302,304 Q303,305 D303-306 L301 L302 L304-308 310 VR301 VR302 R301 R303,346 R304,313 R305,338 R307 R308 R310,314 315,316 R311,334 R312 R319,332 333 R320 R321 R322,329 337 R323 R324 R325 R326,348 R327 R335 R336 R347 CF301,302 CF303,304 CT332 C301,303 305,309 310,311 313,314 315,318 319,320 321,324 325,328 331,333 334,335 336,337 C302 C312,317 C316 C322 OB10121A TR 2SD1407 OB10120A TR 2SB1016 OB10178A TR 2SA1386 (P,Y) OB10180A TR 2SC3519 (P,Y) OB19004A Thermistor 50KD-5 OB90201A Insulator (2) OB90210A Insu-Lock (3) OE00868A BT3x8 @Pan (7) OE03138A M3x10 @Pan (Nickel) (10) Heat Sink (1) Heat Sink Holder A (1) Main P.C.B. Holder (2) Thermistor Holder (1) M3x6 @Pan (3A) (2) OB81596A Antenna Terminal (1) OB90019A SK Binder (1) BA06310A Main P.C.B. Ass'y (SR-3 (Australia)) 1st Version Note: BA06310A is the same as BA06239A except for the following sections. — FM — IC301 IC302 Q301 Q302,304 Q303,305 D303-306 L301 L302 L304-308 310 VR301 VR302 R301 R303,346 R304,313 R305,338 R307 R308 R310,314 315,316 R311,334 R312 R319,332 333 R320 R321 R322,329 337 R323 R324 R325 R326,348 R								

5.13.3. For SR-3E (Europe)

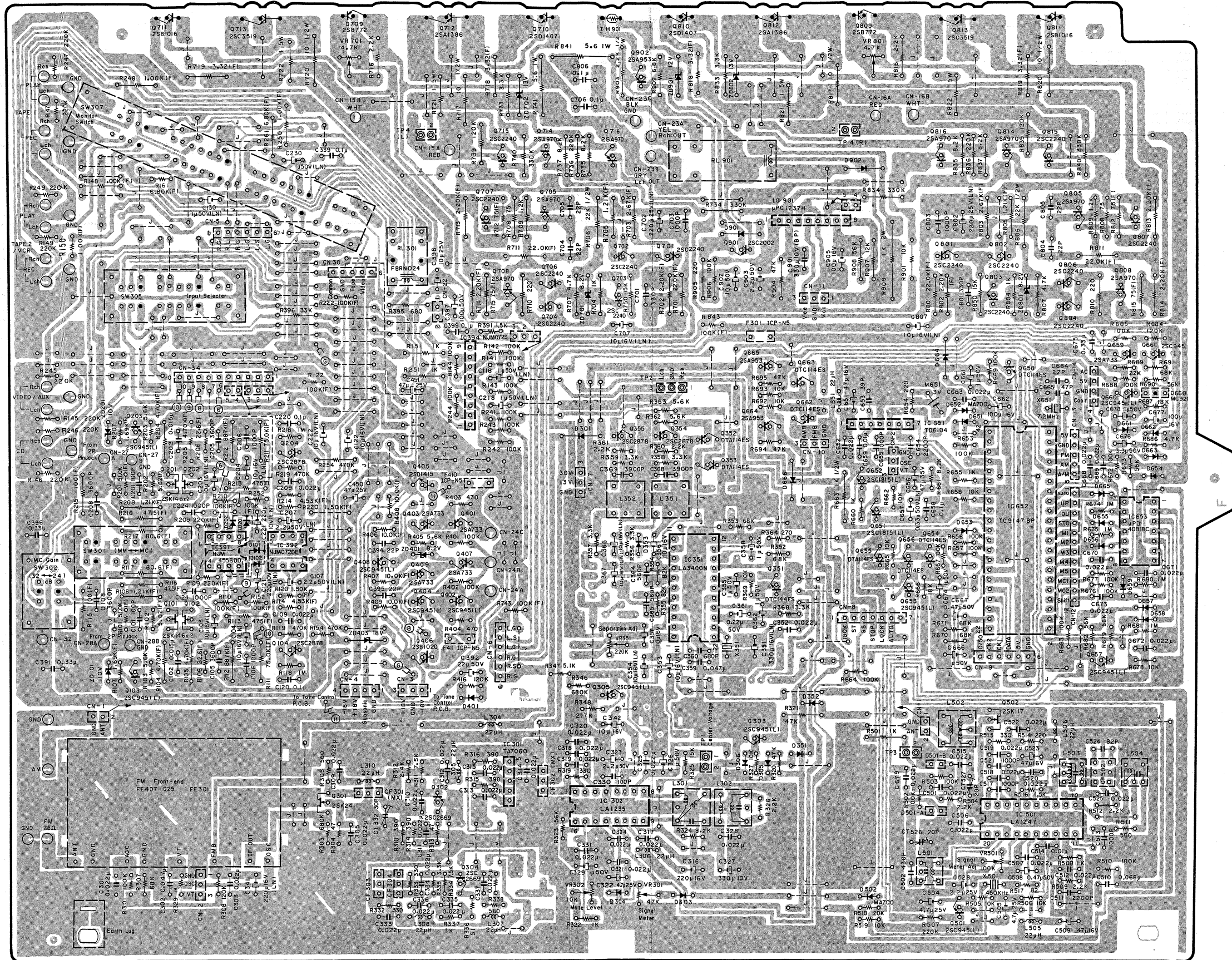


Fig. 5.13.3. For SR-3E (Europe)

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
	BA06238A	Main P.C.B. Ass'y (SR-3E (Europe))	L504	OB51233A	IFT 1 AM	Q655	OB10058A	TR DTA114ES	R113,213	OB22576A	RM 475 1/4W F	C130,230	OB09814A	CE 1μ 50V (LN)	R743,843	OB22457A	RM 100K 1/6W F
			L505,506	OB51239A	Micro Coil 22μH	Q659	OB06013A	TR 2SA733 (P,Q)	R115,215	OB22567A	RM 100 1/4W F	C339,399	OB41298A	CMM 0.1μ 50V J	R750,850	OB01683A	RP 15K 1/4W J
			VR501	OB32086A	Semi VR 100K	Q664,665	OB06372A	TR 2SA953 (K,L)	R116,216	OB22643A	RM 47.5 1/4W F	C397	OB40120A	CE 100μ 50V	C701,801	OB4213A	CK 330P 100V J
			R501	OB01857A	RK 1K 1/4W J	D301,854	OB06181A	SID 1SS53	R117,217	OB09891A	RM 80.6 1/4W F	C398	OB01674A	CE 10μ 25V	C702,802	OB40421A	CE 220μ 25V (LN)
			R502,503	OB09725A	RK 100K 1/6W J	D651			C101,201	OB41703A	CSP 100P 50V J	RL301	OB09204A	Relay	C703,803	OB41225A	CP 1000P 100V J
			510						C102,202	OB41585A	CM 0.015μ 50V J			FBR42ND024P	C704,705	OB41702A	CSP 22P 50V J
			R504,509	OB09685A	RK 2.2K 1/6W J	653-659	OB06398A	SID 1SS176 (12)	C103,104	OB09816A	CE 10μ 16V (LN)	SW305	OB70082A	Rotary Slide Switch 4-4	804,805		
			512			661,662			122,203						C706,806	OB41594A	CM 0.1μ 100V J
			R505,506	OB09701A	RK 10K 1/6W J	663,665			204,222			SW307	OB70083A	Rotary Slide Switch 8-6	C707,807	OB09816A	CE 10μ 16V (LN)
			519			D652			C105,205	OB41238A	CP 3600P 100V J	CN5,6	OB81013A	Dip Mate 6P	TP4L,4R	OB81634A	2P-T Post
			R507	OB09733A	RK 220K 1/6W J	D660	OB12363A	SID MA700	C106,124	OB41225A	CP 1000P 100V J	CN27A	OB82750A	PD Connector V80			
			R508	OB09677A	RK 1K 1/6W J	L651	OB12100A	SID MC921	206,224			CN27B	OB82751A	PD Connector V80			
			R511	OB09671A	RK 560 1/6W J	X651	OB51239A	Micro Coil 22μH	C108,208	OB41706A	CSP 3600P 50V J	28B,32					
			R514	OB09661A	RK 220 1/6W J	R653,656	OB92006A	Crystal 7.2MHz	C121,221	OB40422A	CE 220μ 10V (LN)	CN28A					
			R515	OB09665A	RK 330 1/6W J	657,664	OB09725A	RK 100K 1/6W J	C391,396	OB41304A	CMM 0.33μ 50V J	CN30	OB82752A	PD Connector V80			
			R516	OB09681A	RK 1.5K 1/6W J	667,669			SW301	OB70076A	Push Switch 4-2		OB82806A	5P Connector			
			R517	OB09651A	RK 82 1/6W J	672,676			SW302	OB70078A	Slide Switch 4-2		OB82733B	Ribbon Cable 6P (1)			
			R518	OB09708A	RK 20K 1/6W J	677,683			CN34	OB82862A	10P Connector		OB81593A	4P Pin Jack (3)			
			CF502	OB41701A	Ceramic Filter	685,688				BA06317A	Eq. Sub. P.C.B. Ass'y		OB81020A	2P Pin Jack (1)			
					SFZ450G3L	R654	OB09661A	RK 220 1/6W J									
			CT526,527	OB42005A	C Trimmer 20P	R655,660	OB09677A	RK 1K 1/6W J									
			C501,506	OB41554A	CC 0.022μ 25V	R658,662	OB09701A	RK 10K 1/6W J									
			507,512			665,678											
			515,518			692,693											
			519,520			R661	OB09699A	RK 8.2K 1/6W J									
			522,525			R663	OB24114A	RF 1K 1/2W J									
			C502	OB41401A	CP 430P 50V J	R666,687	OB09707A	RK 18K 1/6W J									
			C504,505	OB40102A	CE 4.7μ 25V	R670,671	OB09721A	RK 68K 1/6W J									
			C508	OB40111A	CE 0.47μ 50V	691											
			C509,523	OB01403A	CE 47μ 16V	R673,679	OB09719A	RK 56K 1/6W J									
			C510	OB41296A	CMM 0.068μ 50V J	682,690											
			C511	OB09586A	CC 2200P 50V K	R674,675	OB09749A	RK 1M 1/6W J									
			C513,517	OB09288A	CC 1000P 50V K	680,681											
			521			R684	OB09727A	RK 120K 1/6W J									
			C514	OB41553A	CC 0.01μ 25V	R686	OB09693A	RK 4.7K 1/6W J									
			C524	OB41711A	CC 82P 50V K	R689	OB09709A	RK 22K 1/6W J									
			C528	OB09372A	CE 2.2μ 50V	R694,695	OB09717A	RK 47K 1/6W J									
			X501	OB92003A	Crystal 450KHz	C651	OB01403A	CE 47μ 16V									
					BFU450C4N	C652,663	OB41554A	CC 0.022μ 25V									
			CN1	OB82791A	2P Connector 250mm	668-673											
			TP3	OB81634A	2P-T Post	679											
						C653	OB41187A	CC 39P 50V J									
						C654	OB09586A	CC 2200P 50V K									
						C655	OB09288A	CC 1000P 50V K									
						C656	OB40103A	CE 47μ 16V									
						C657	OB09327A	CE 0.33μ 50V (LN)									
						C658	OB41298A	CMM 0.1μ 50V J									
						C659	OB41553A	CC 0.01μ 25V									
						C661,666	OB01405A	CE 1μ 50V									
						674,678											
						C662,677	OB01400A	CE 100μ 16V									
						C664	OB41708A	CC 22P 50V J									
						C665	OB41709A	CC 47P 50V J									
						C667	OB40111A	CE 0.47μ 50V									
						C675	OB41304A	CMM 0.33μ 50V J									
						C676	OB01863A	CE 3.3μ 50V									
						M651	OB90200B	Lithium Battery 3V									
								CR2430-FT4-1									
								7P-T Post									
								6P-T Post									
								3P-T Post									
								12P-T Post									
								5P-T Post									
								4P Connector									

Fig. 5.14

5.13.4. For SR-3E (Germany)

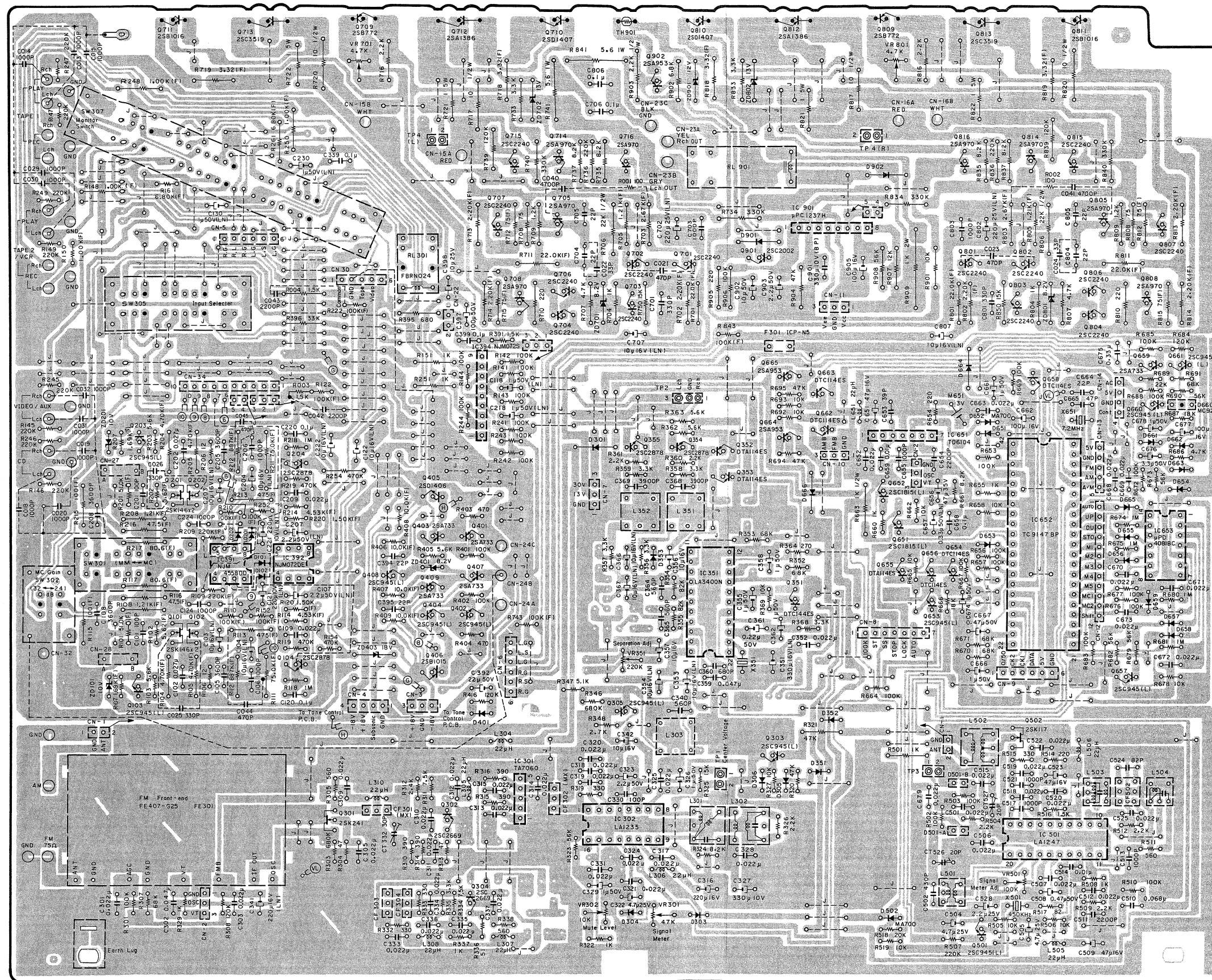


Fig. 5.13.4 For SR-3E (Germany)

Schematic Ref. No.	Part No.	Description
	BA06825A	Main P.C.B. Ass'y (SR-3E (Germany) — FM —
IC301	OB11156A	IC TA7060AP
IC302	OB11157A	IC LA1235
Q301	OB10127A	FET 2SK241 (GR
Q302,304	OB10174A	TR 2SC2669 (O
Q303,305	OB01872A	TR 2SC945L (P
D303-306	OB06398A	SiD 1SS176
L301	OB51240A	FM Det. Coil A
L302	OB51241A	FM Det. Coil B
L303	OB51238A	Anti-birdy Filter
L304-308	OB51239A	Micro Coil 22μH (
310		
VR301	OB32084A	Semi VR 47K
VR302	OB32080A	Semi VR 10K
R301	OB09725A	RK 100K 1/6W
R303,346	OB09745A	RK 680K 1/6W
R304,313	OB09645A	RK 47 1/6W
R305,338	OB09671A	RK 560 1/6W
R307	OB09721A	RK 68K 1/6W
R308	OB09727A	RK 120K 1/6W
R310,314	OB09667A	RK 390 1/6W
315,316		
R311,334	OB09698A	RK 7.5K 1/6W
R312	OB09686A	RK 2.4K 1/6W
R319,332	OB09665A	RK 330 1/6W
333		
R320	OB09717A	RK 47K 1/6W
R321	OB05641A	RK 47K 1/4W
R322,329	OB09677A	RK 1K 1/6W
337		
R323	OB09719A	RK 56K 1/6W
R324	OB09699A	RK 8.2K 1/6W
R325	OB09705A	RK 15K 1/6W
R326	OB09685A	RK 2.2K 1/6W
R327	OB09701A	RK 10K 1/6W
R335	OB09689A	RK 3.3K 1/6W
R336	OB09646A	RK 51 1/6W
R347	OB09694A	RK 5.1K 1/6W
R348	OB09687A	RK 2.7K 1/6W
CF301,302	OB41818A	Ceramic Filter SFE10.7MX2K-A
CF303,304	OB41746A	Ceramic Filter SFE10.7MS3GH15
CT332	OB41614A	C Trimmer 30P
C301,303	OB41554A	CC 0.022μ 25V 2
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
C312,317	OB41290A	CMM 0.022μ 50V
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 (L
C342	OB01412A	CE 10μ 16V
F301	OB11248A	IC Protector ICP-N
FE301	OB91017A	Front-end FE407-G25
CN2	OB83053A	3P Connector W24
CN7	OB82795A	3P Connector 370mm
TP1	OB81634A	2P-T Post
	OE03355A	Earth Lug (1
		— AM —
IC501	OB11243A	IC LA1247
Q501	OB01872A	TR 2SC945L (P
Q502	OB06129A	FET 2SK117 (Y)
D501	OB12386A	Varicap KV1226Y
D502	OB12363A	SiD MA700
L501	OB51235A	Osc. Coil

6. SCHEMATIC DIAGRAMS

6.1. IC Block Diagrams

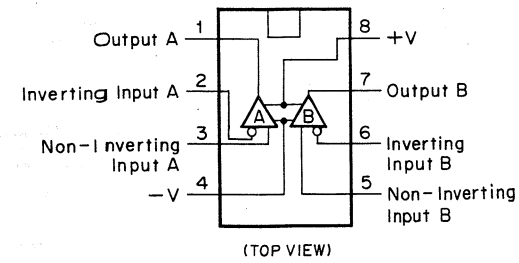


Fig. 6.1.1 Operational Amp. IC 4558DD, 072DE

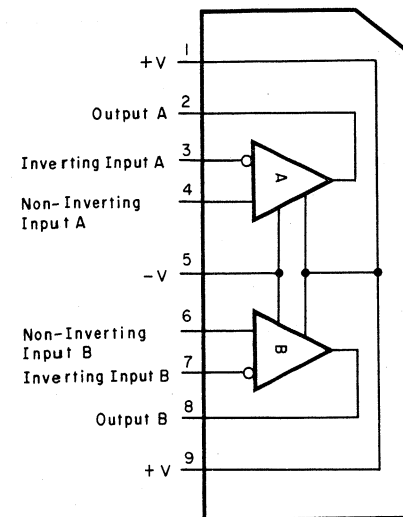


Fig. 6.1.2 Operational Amp. IC 072S

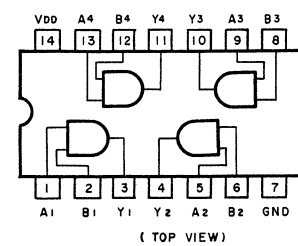


Fig. 6.1.3 AND Gate C-MOS IC μPD4081BC

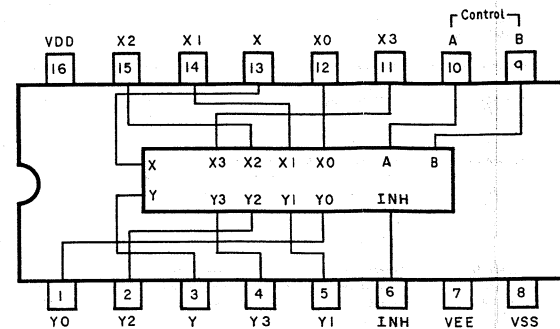


Fig. 6.1.4 Analog Multiplexers/Demultiplexers IC μPD4052BC

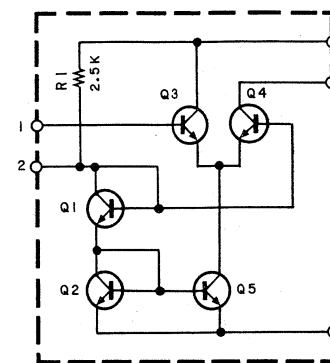


Fig. 6.1.5 FM IF Amp. IC TA7060AP

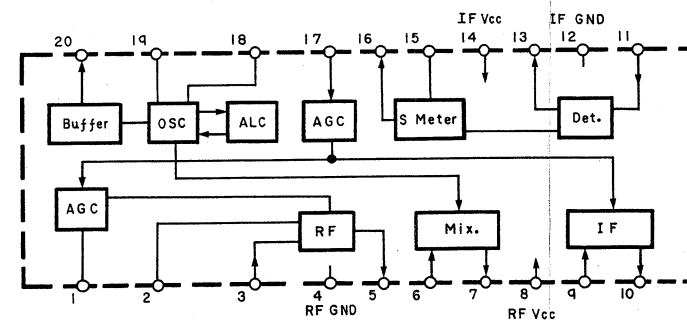


Fig. 6.1.6 AM Tuner IC LA1247

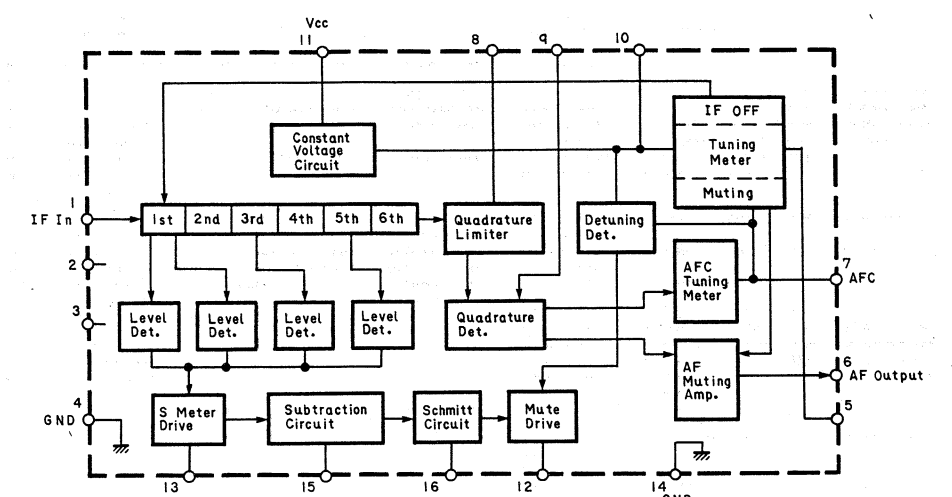


Fig. 6.1.7 FM IF System IC LA1235

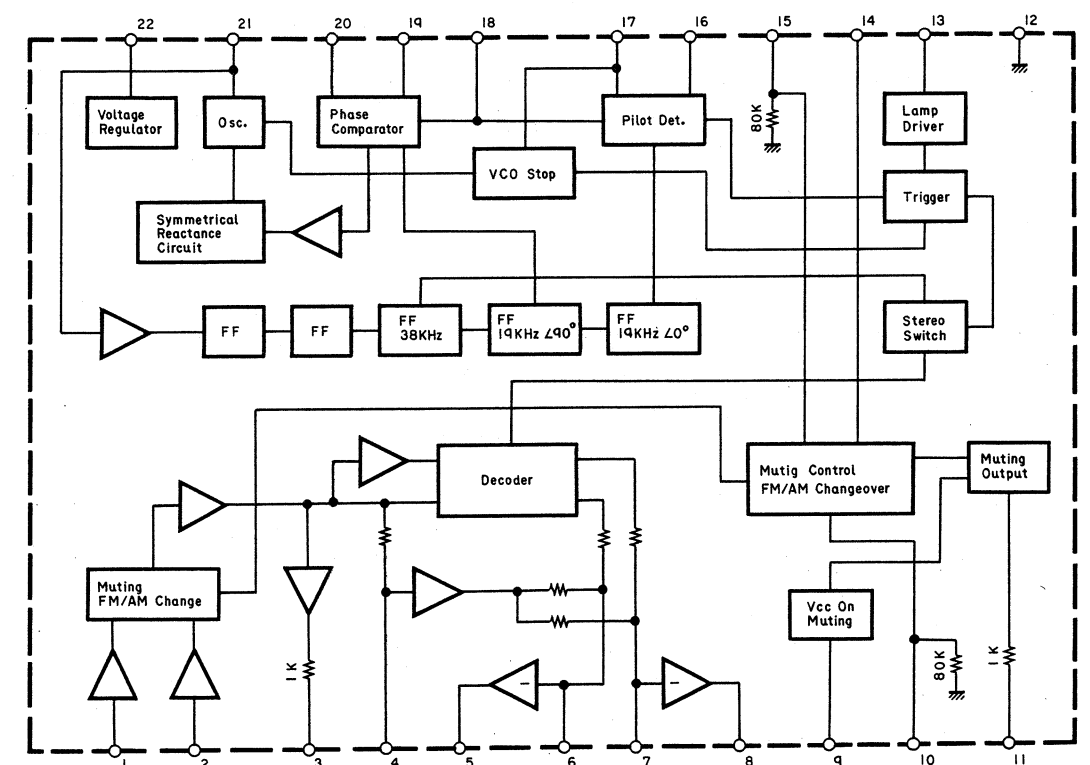


Fig. 6.1.8 FM Stereo Demodulator IC LA3400N

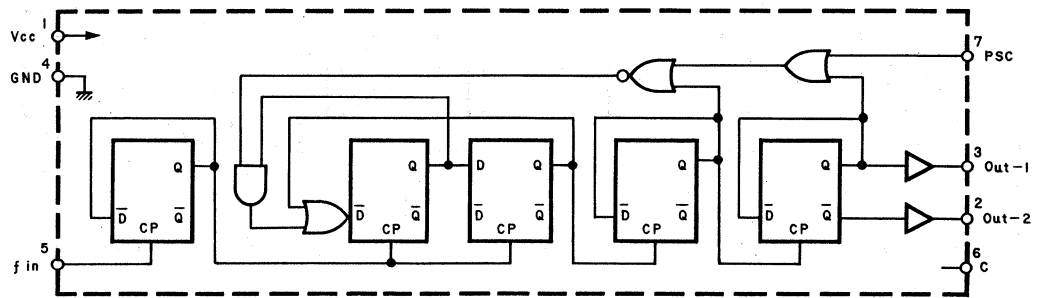


Fig. 6.1.9 ECL Prescaler (FM) IC TD6104

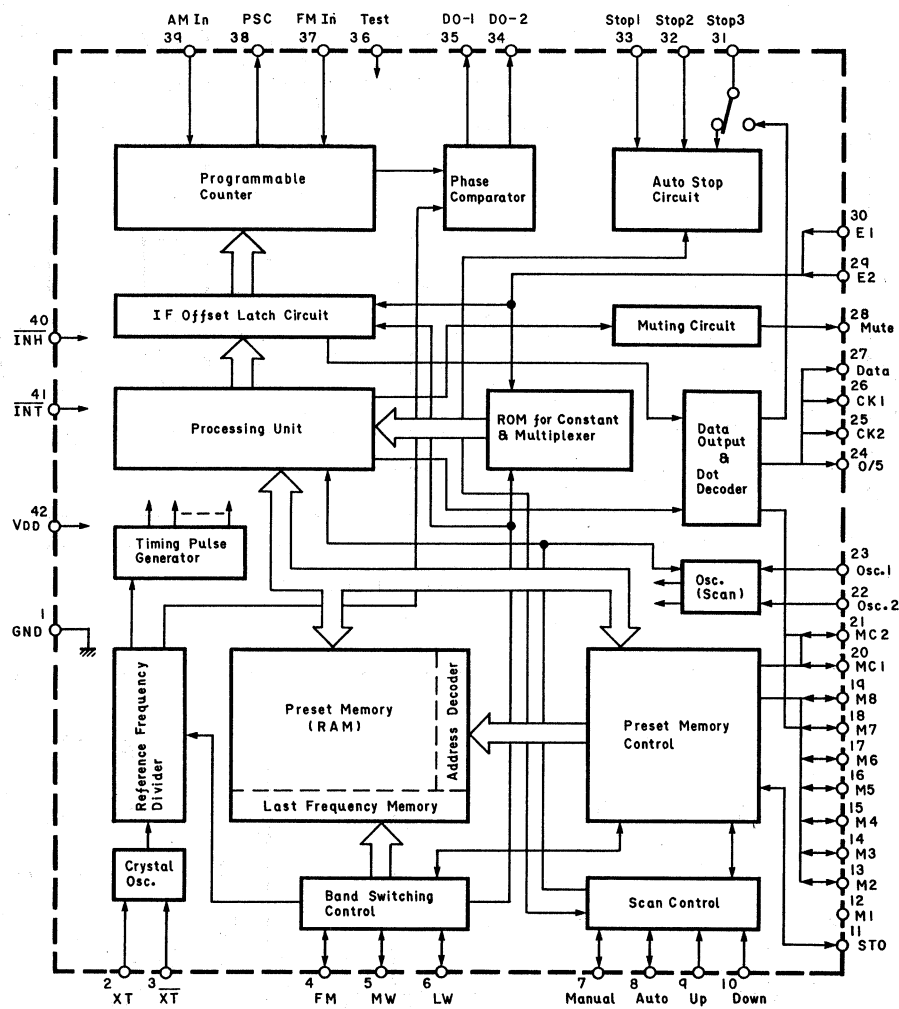


Fig. 6.1.10 FM/MW/LW 3-Band Digital Tuning (Static Method) IC TC9147BP

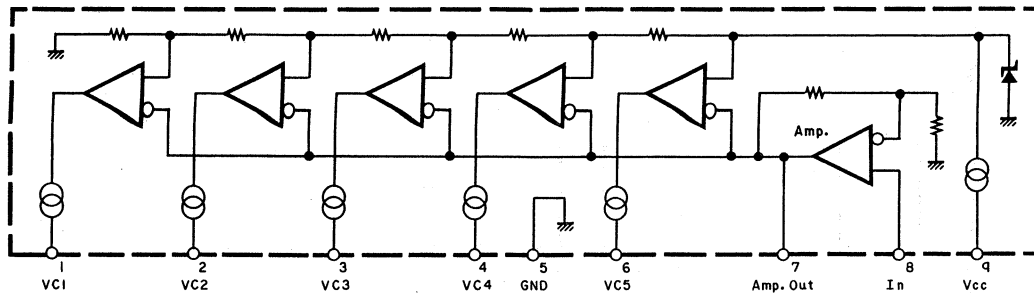


Fig. 6.1.11 Signal Meter Driver IC LB1413N

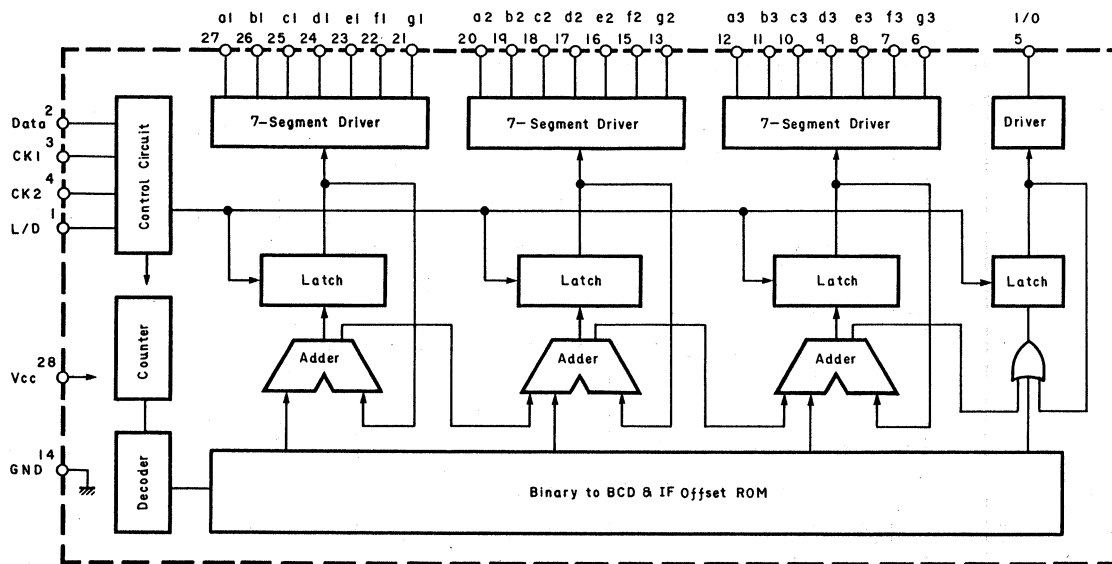


Fig. 6.1.12 Indicator Driver IC TD6301A

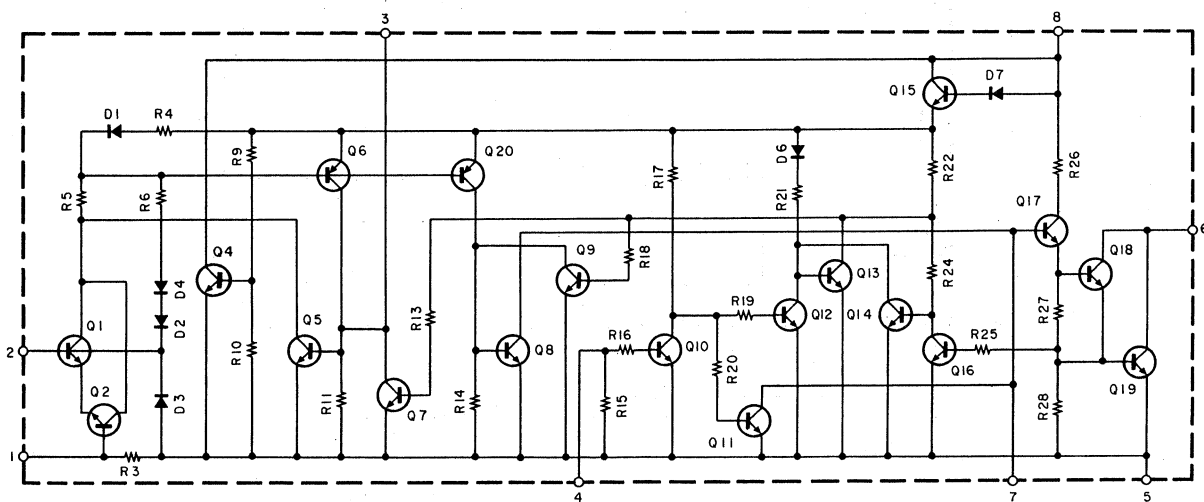


Fig. 6.1.13 Power Amp./Speaker Protector IC μ PC1237H

6.2. Schematic Diagrams
6.2.1. Tuner and Power Supply Section
(1) For SR-3 (Canada) & SR-3A

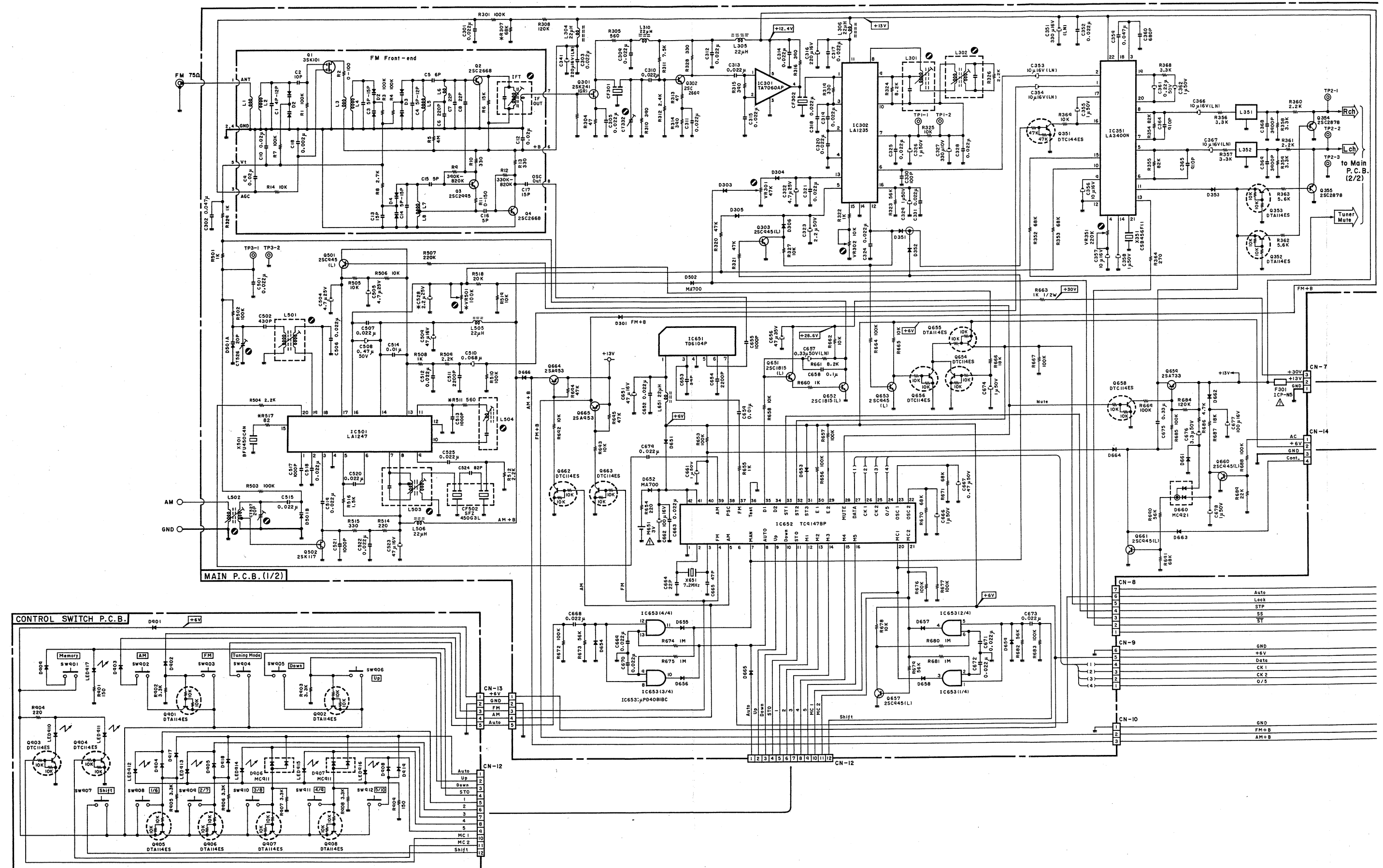
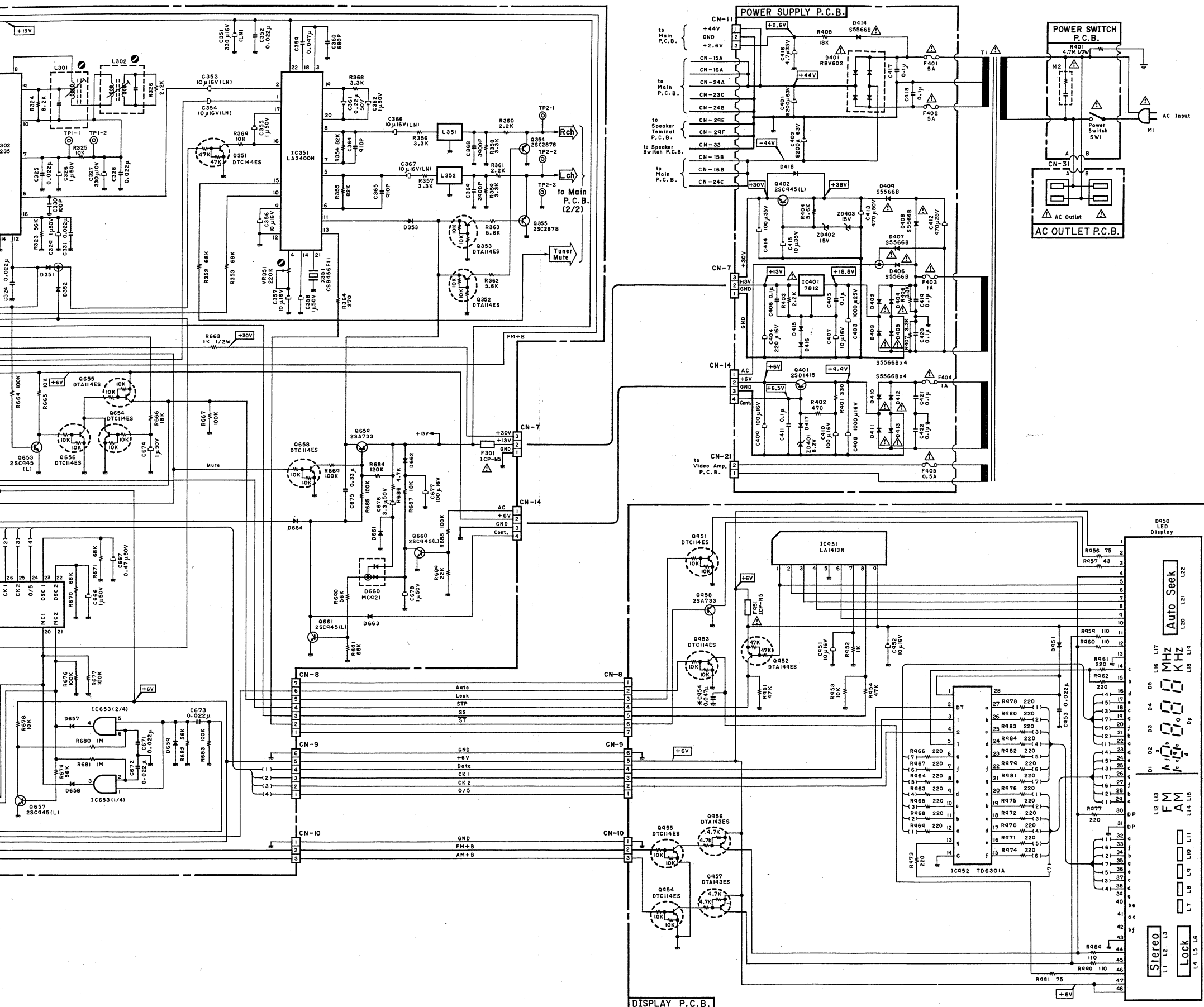


Fig. 6.2.1.1 For SR-3 (Canada) & SR-3A



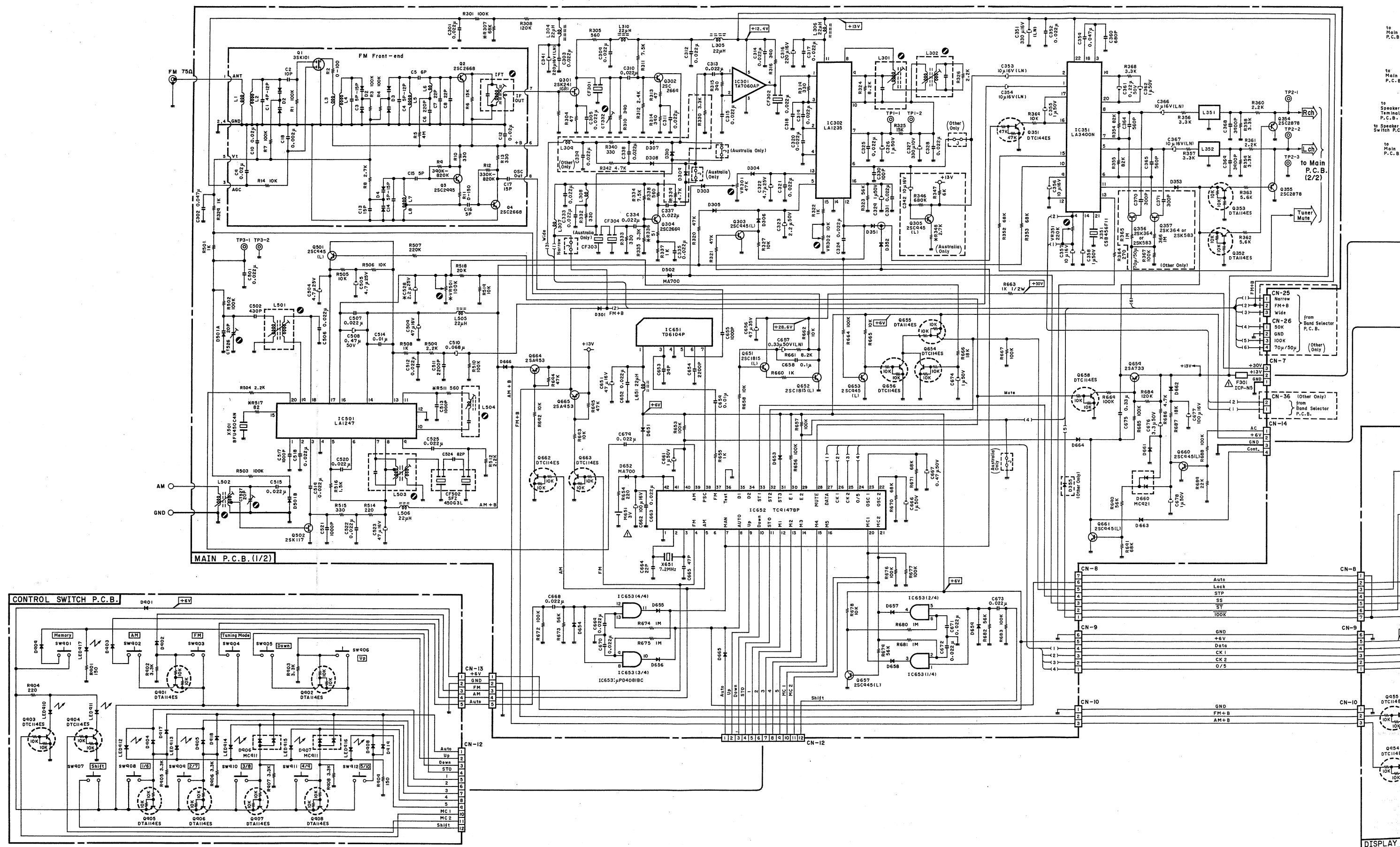
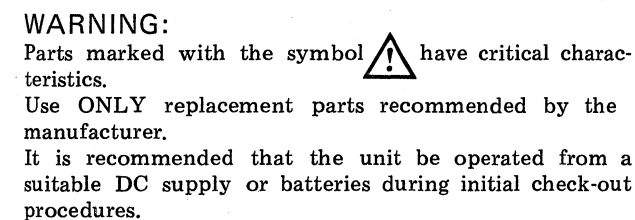
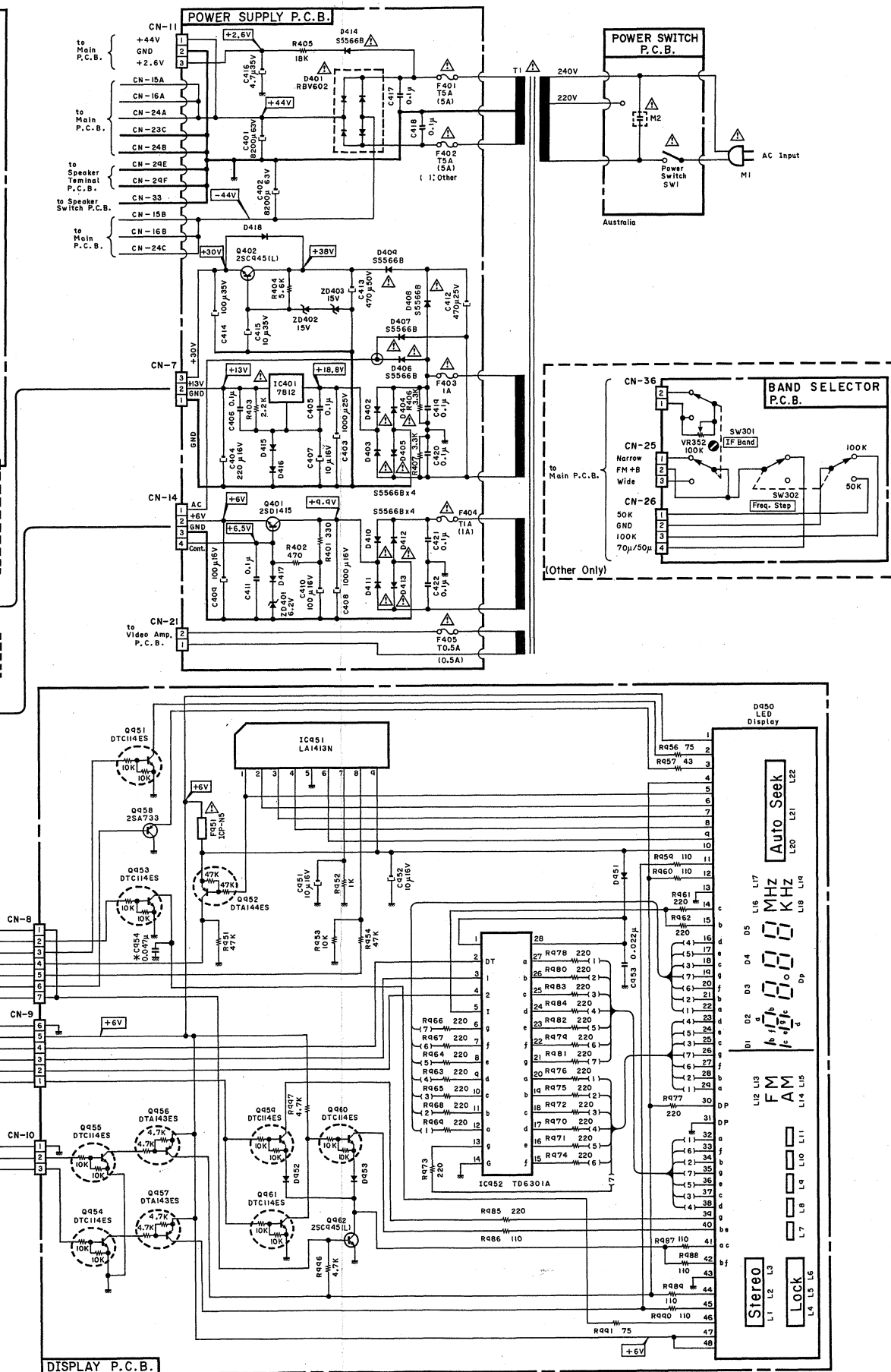


Fig. 6.2.1.2 For SR-3 (Australia & Other)



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.

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-3E (Europe & Germany)

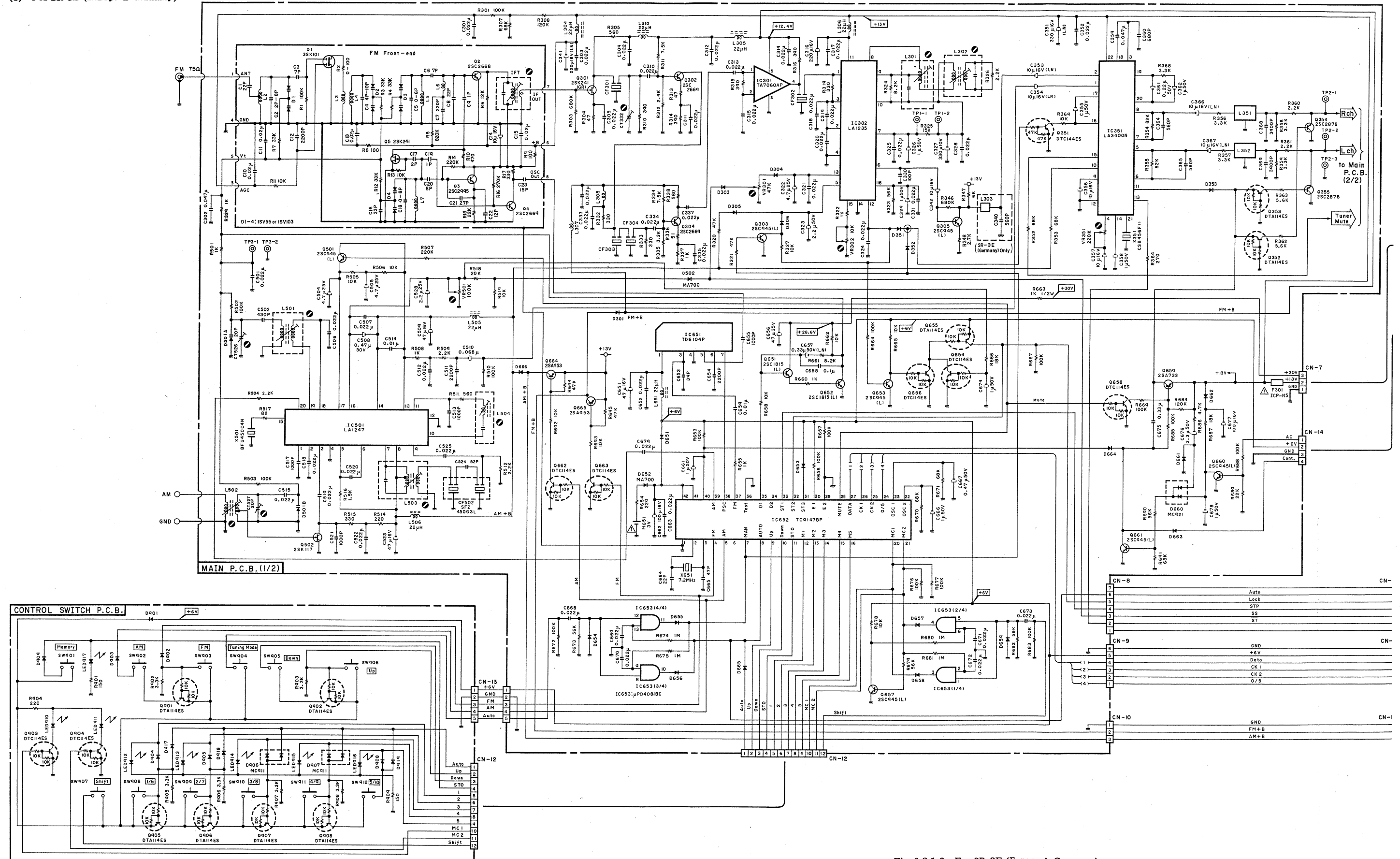


Fig. 6.2.1.3 For SR-3E (Europe & Germany)

6.2.2. Amplifier Section
(1) For SR-3 & SR-3A

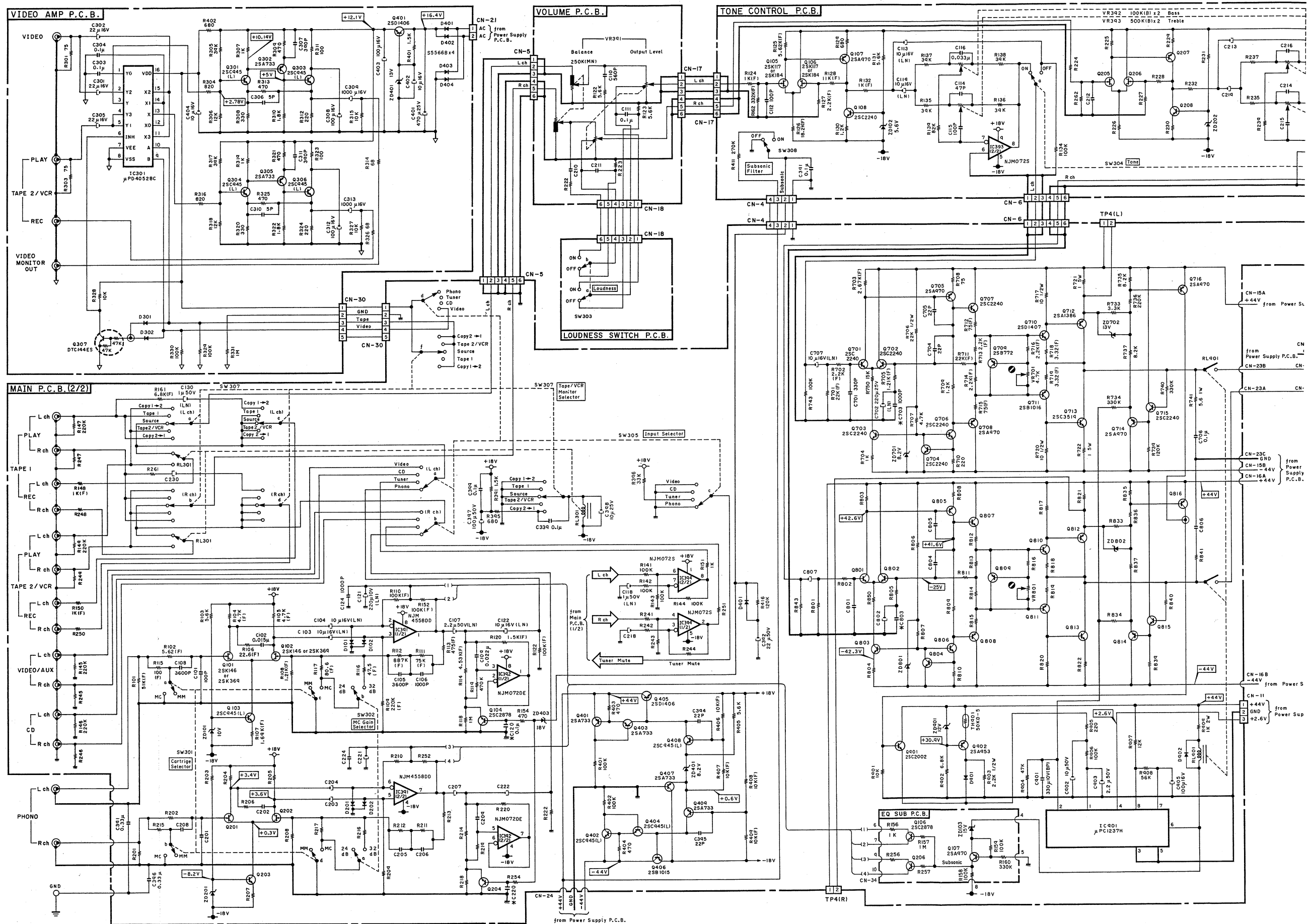
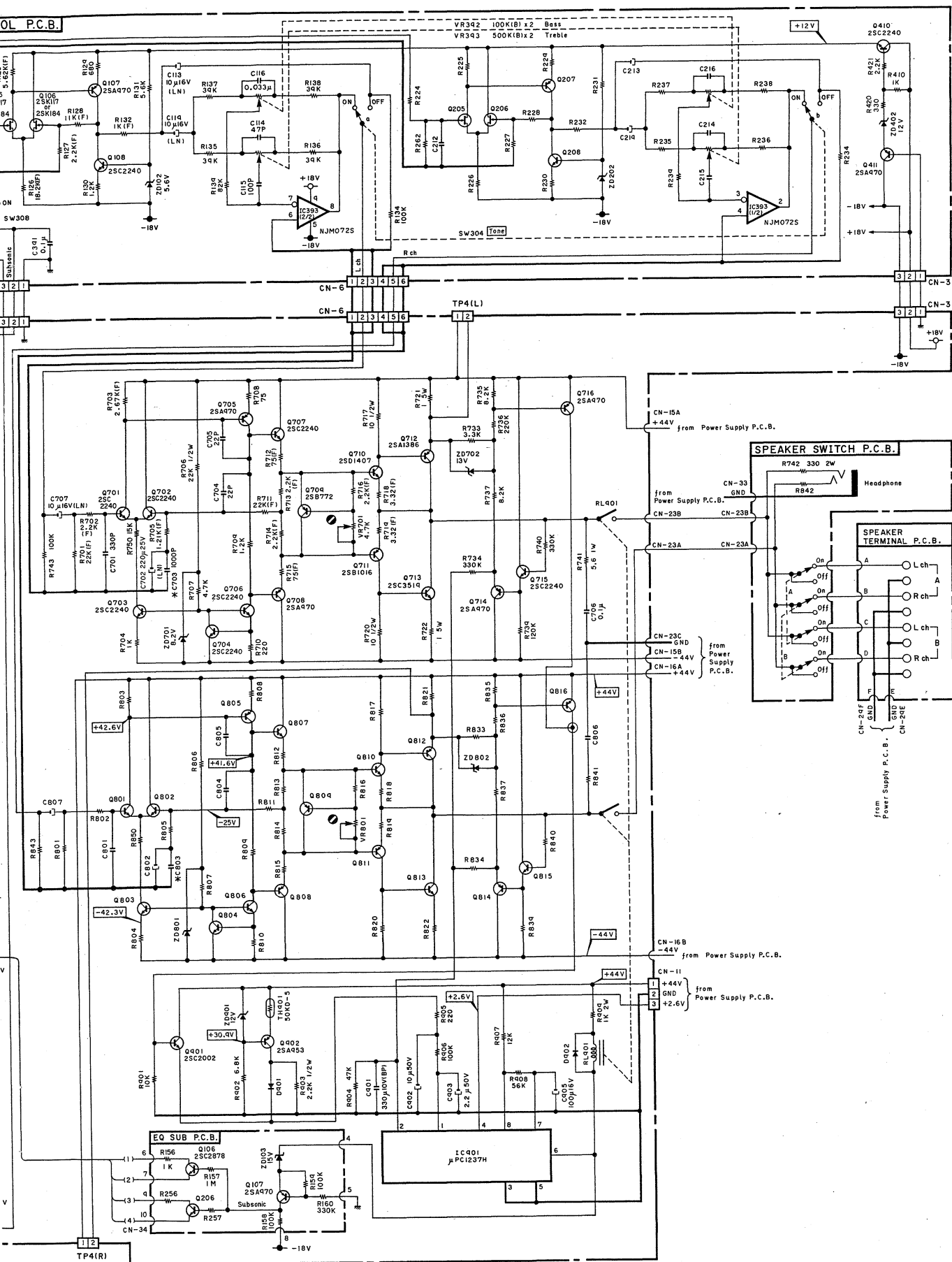
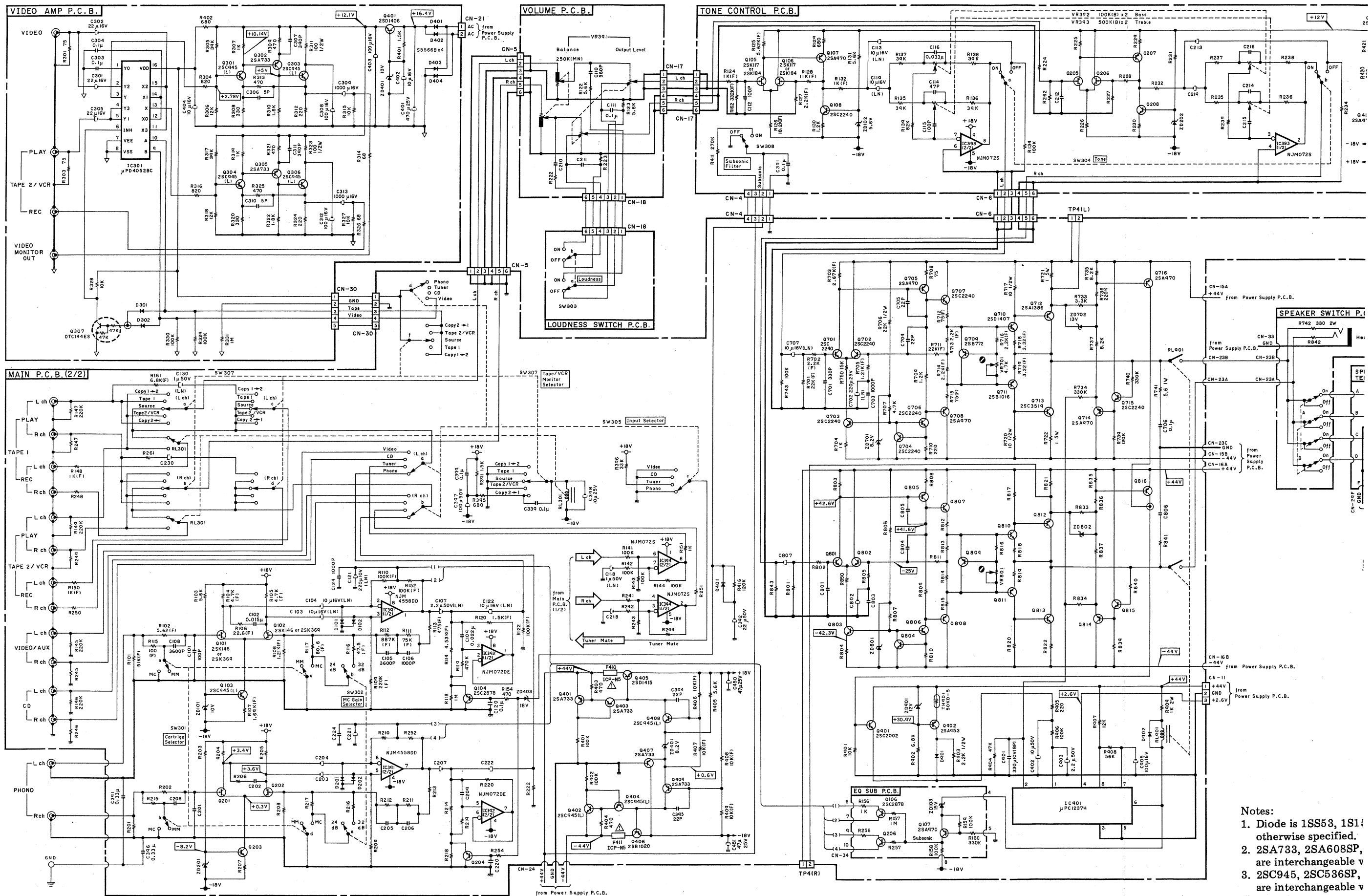


Fig. 6.2.2.1 For SR-3 & SR-3A



- 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-3E (Europe)



- Notes:
1. Diode is 1SS53, 1S11 otherwise specified.
 2. 2SA733, 2SA608SP, are interchangeable v
 3. 2SC945, 2SC536SP, are interchangeable v

Fig. 6.2.2.2 For SR-3E (Europe)

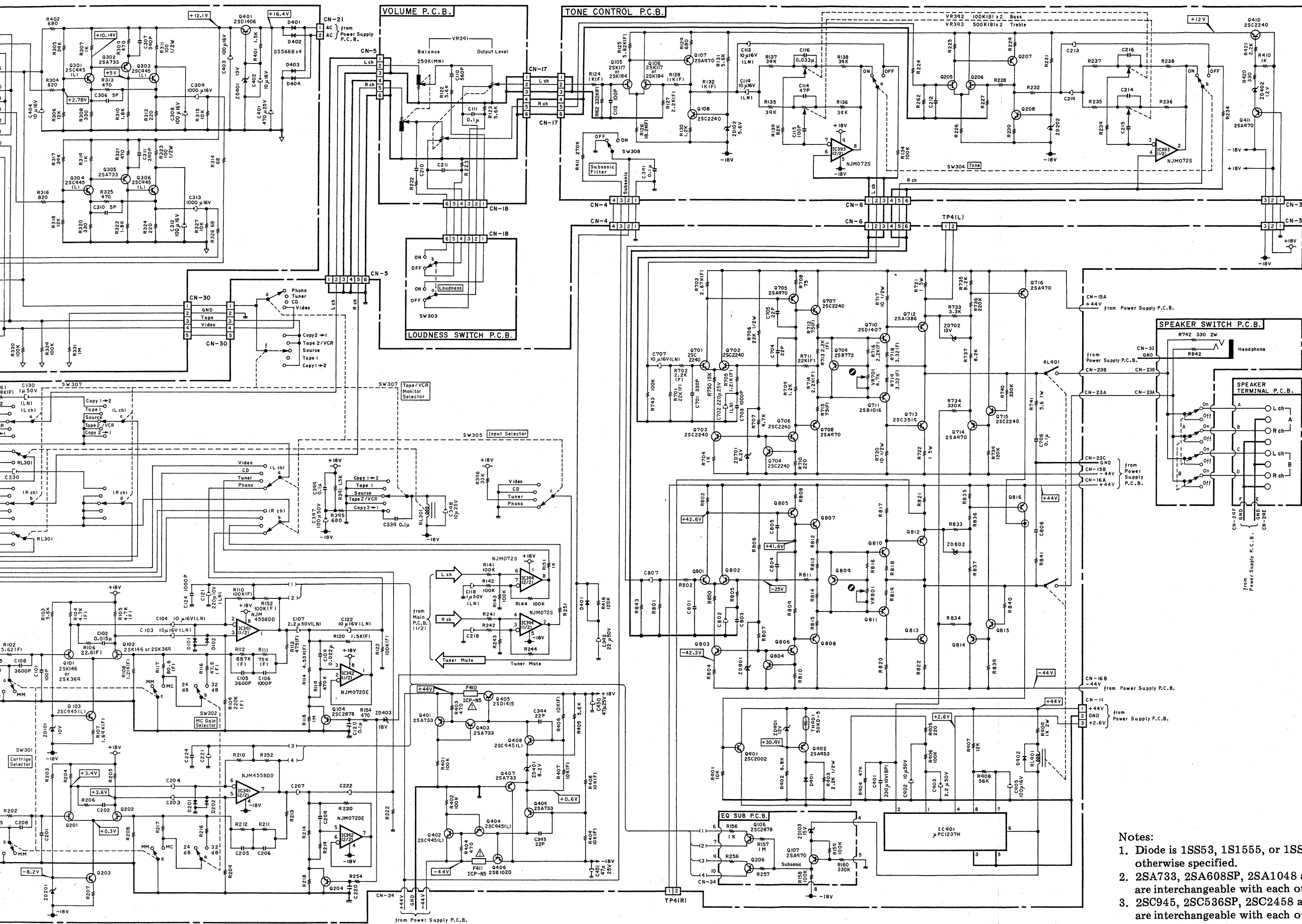
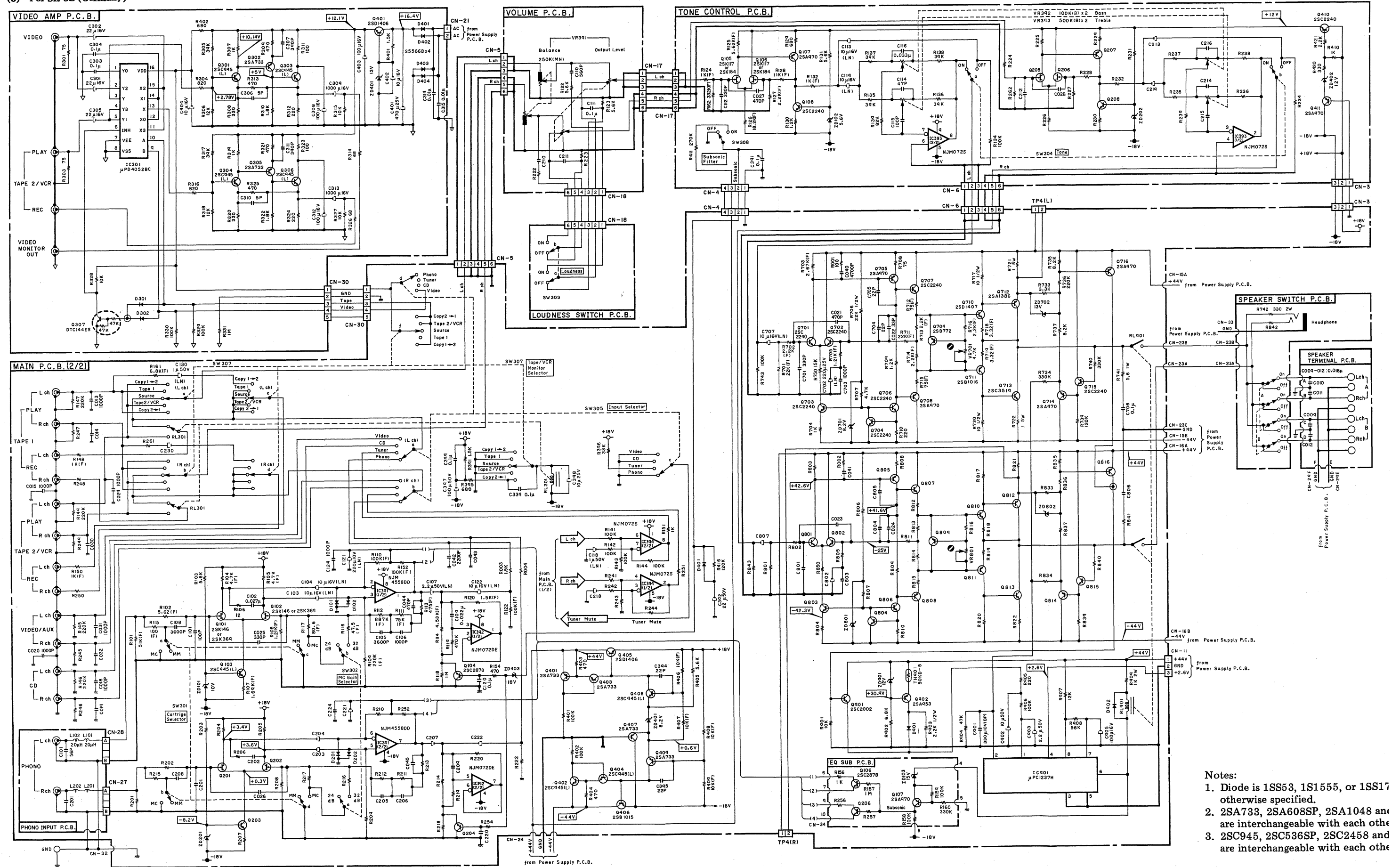


Fig. 6.2.2.2 For SR-3E (Europe)

Notes:

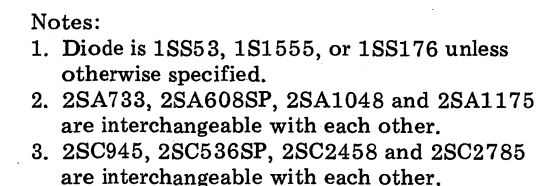
1. Diode is 1SS53, 1S1555, or 1SS176 unless otherwise specified.
2. 2SA733, 2SA608SP, 2SA1048 and 2SA1175 are interchangeable with each other.
3. 2SC945, 2SC536SP, 2SC2458 and 2SC2785 are interchangeable with each other.

(3) For SR-3E (Germany)



- Notes:
1. Diode is 1SS53, 1S1555, or 1SS17 otherwise specified.
 2. 2SA733, 2SA608SP, 2SA1048 are interchangeable with each other.
 3. 2SC945, 2SC536SP, 2SC2458 are interchangeable with each other.

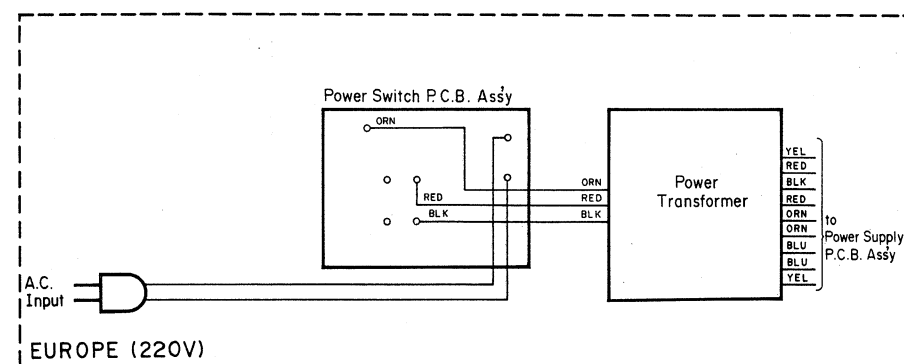
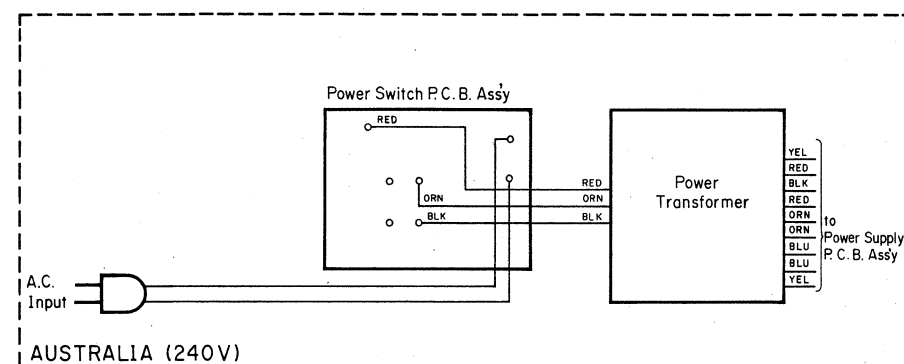
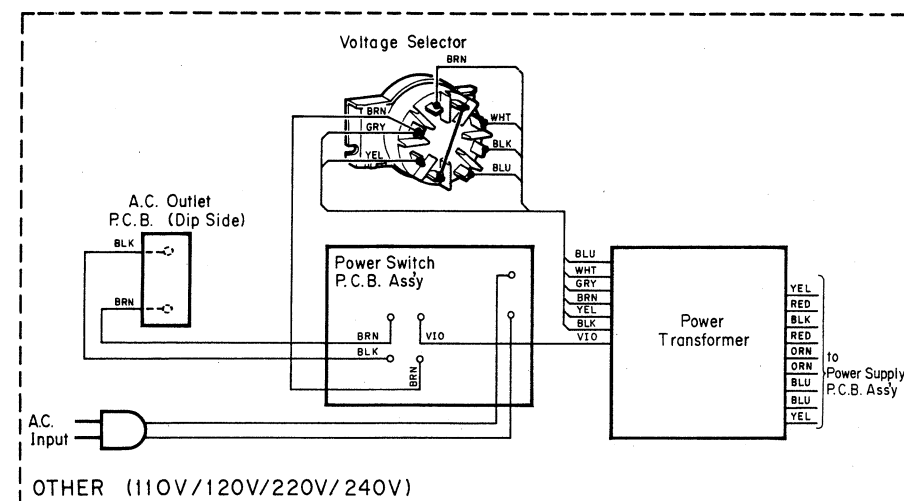
Fig. 6.2.2.3 For SR-3E (Germany)



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7. WIRING DIAGRAMS

(1) For SR-3, SR-3A & SR-3E (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. Assy and the Band Selector P.C.B. Assy are not mounted for the former Models.

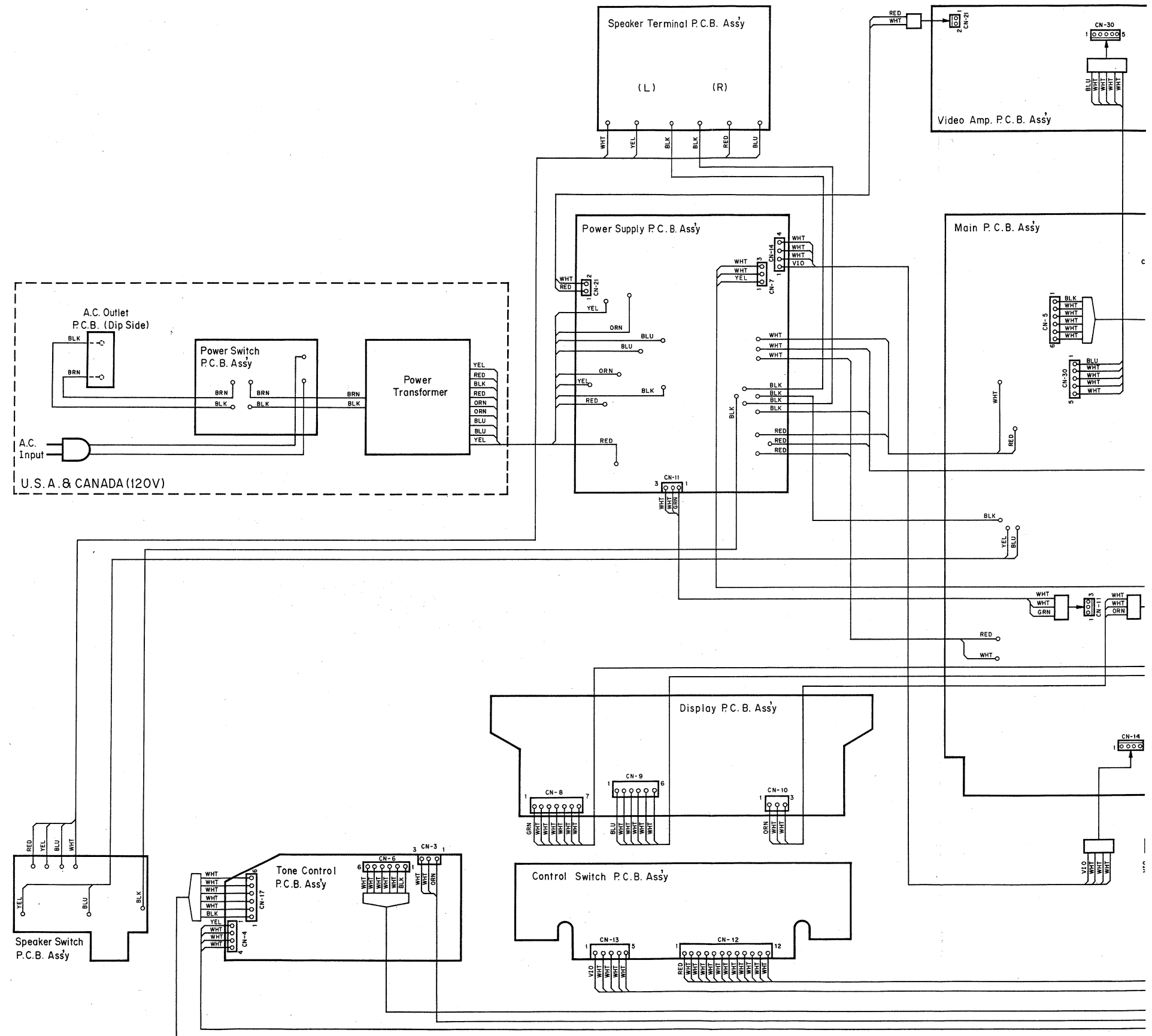


Fig. 7.1 For SR-3, SR-3A & SR-3E (Europe)

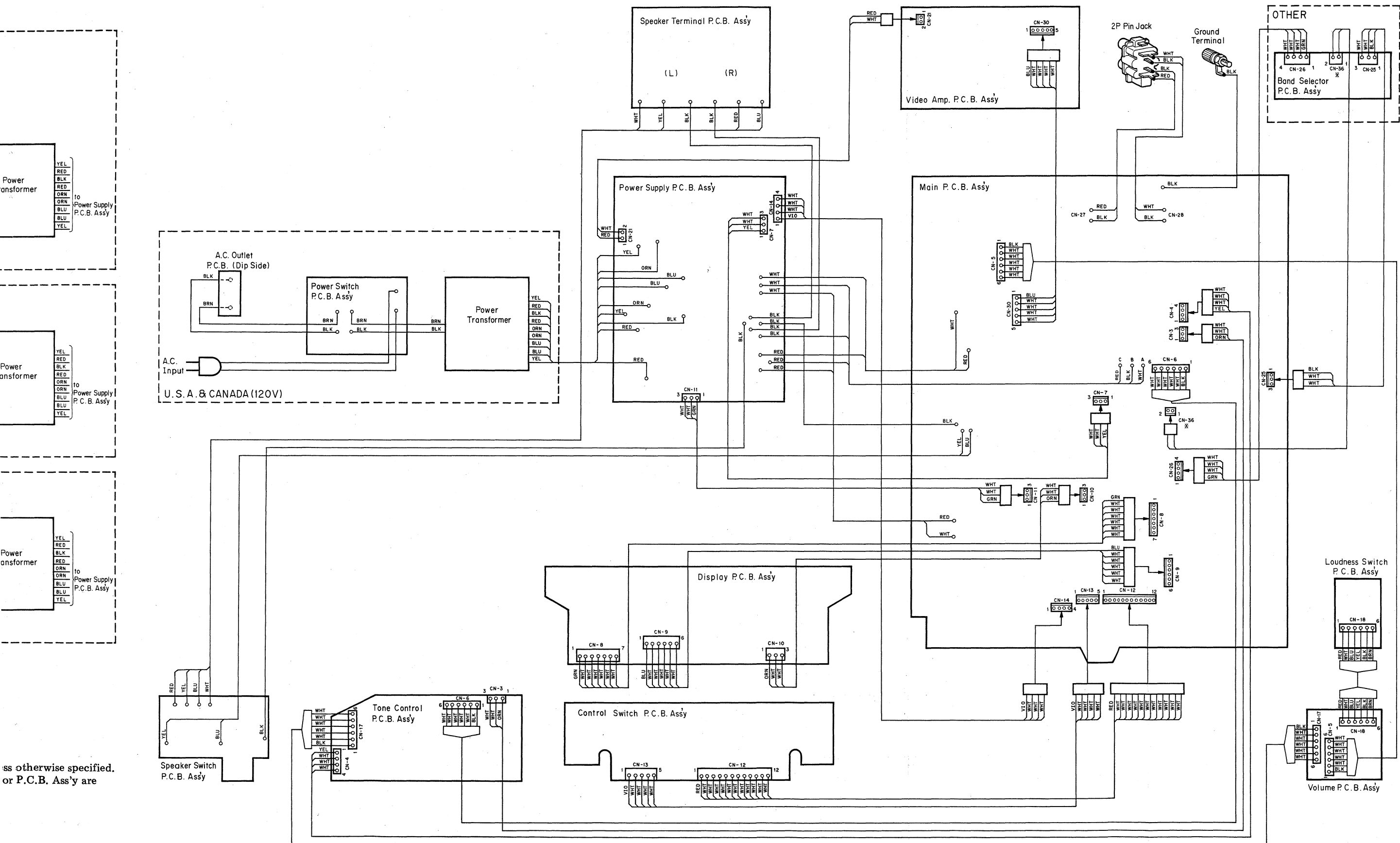


Fig. 7.1 For SR-3, SR-3A & SR-3E (Europe)

(2) For SR-3E (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.

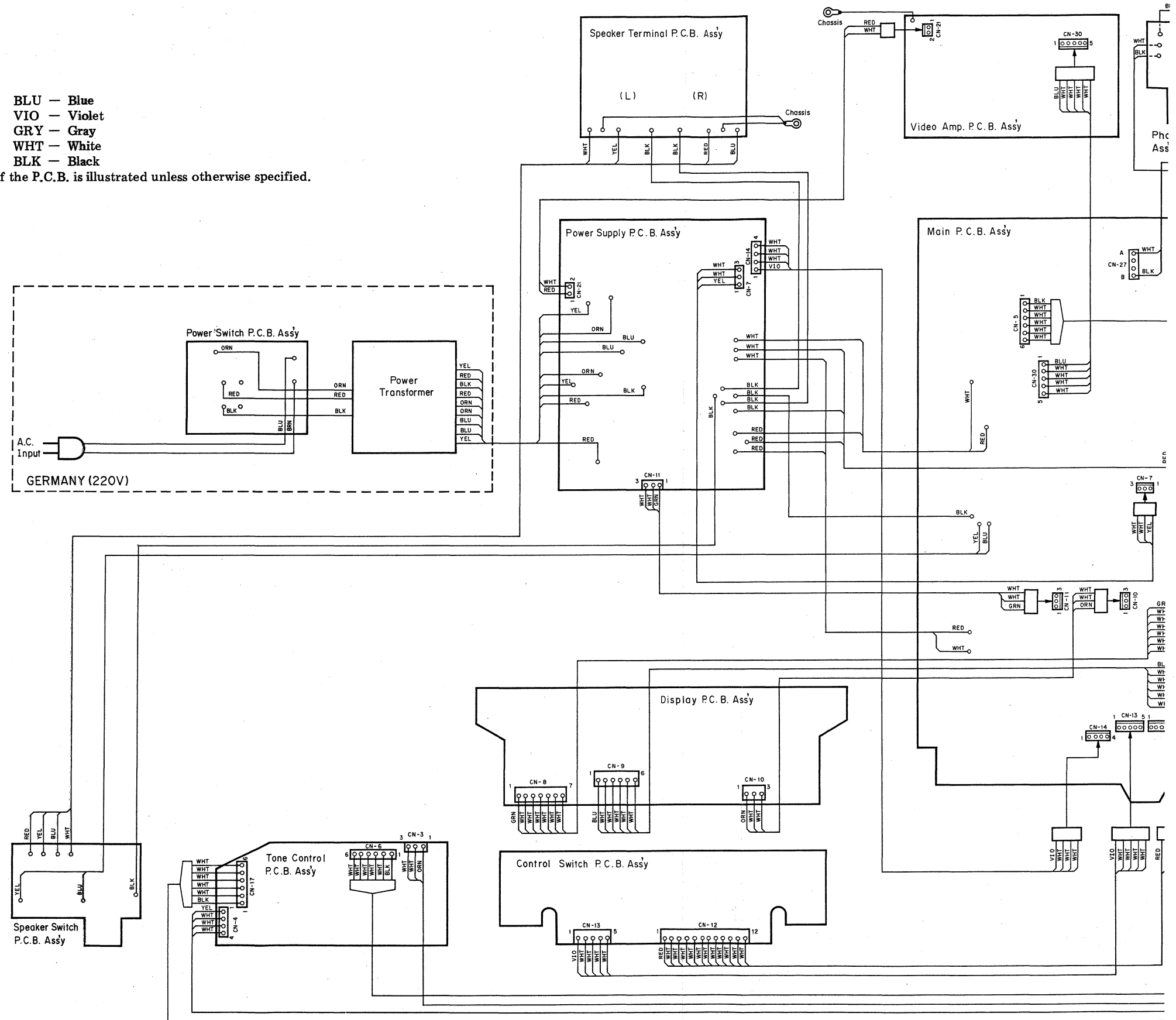


Fig. 7.2 For SR-3E (Germany)

Table of wire colors
 BRN — Brown
 RED — Red
 ORN — Orange
 YEL — Yellow
 GRN — Green
 BLU — Blue
 VIO — Violet
 GRY — Gray
 WHT — White
 BLK — Black
 Component side view of the P.C.B. is illustrated unless otherwise specified.

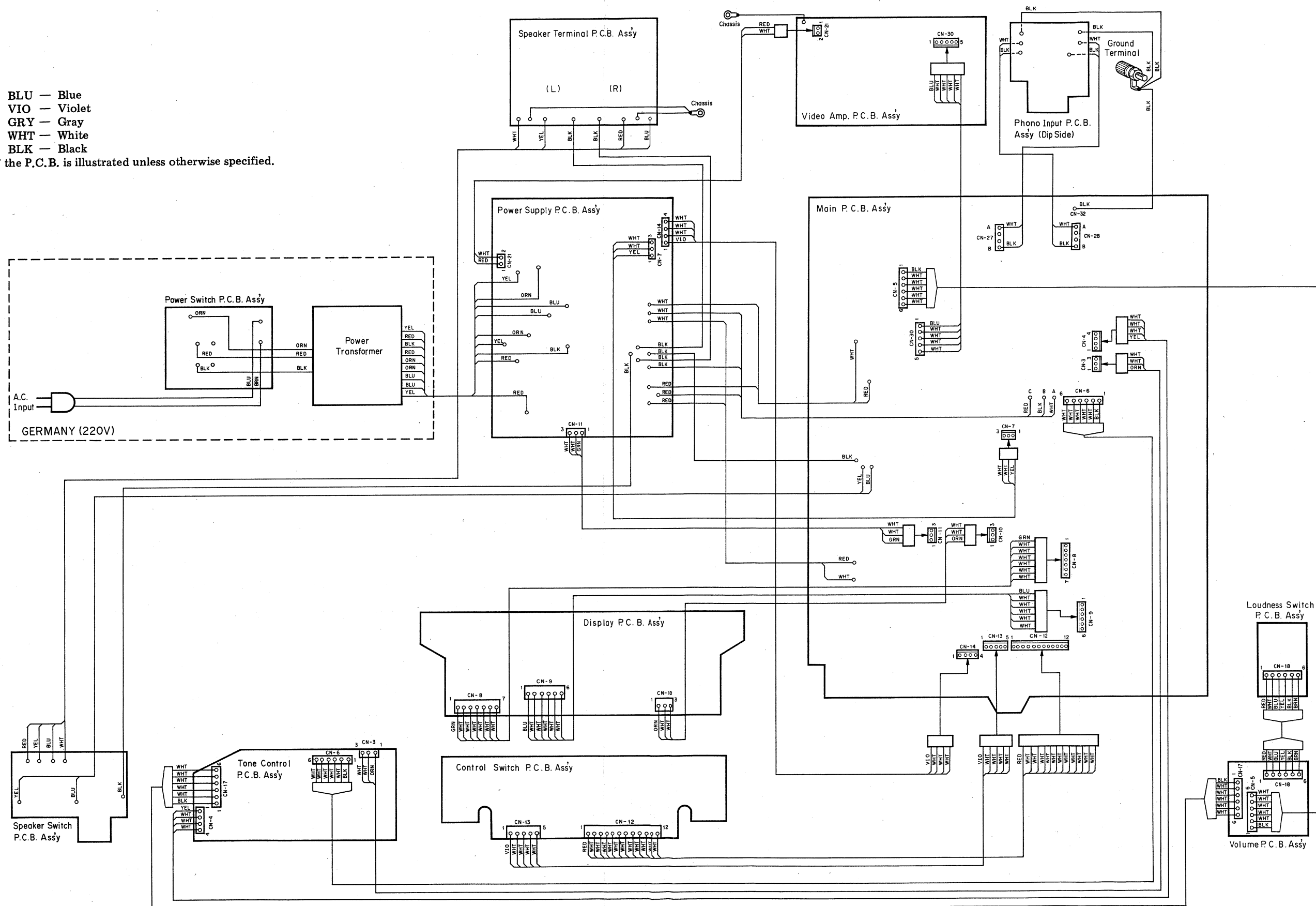


Fig. 7.2 For SR-3E (Germany)

8.1. Tuner Section



The diagram illustrates a portable stereo system with the following components and sections:

- Power Supply Section:** Includes a Power switch, AC Input, and a multi-tapped transformer providing voltages: AC3.3V, AC, +5.6V, GND, +30V, +13V, GND, +44V, GND, +18V, GND, -18V, +13V, GND, -18V, and -44V. These are connected to various sections: Video Amp, Display, Tuner, Power Amp, Eq. Amp, and Filt & Tone Amp.
- Protection Section:** Features a Thermal Sensor, DC Sensor, and ASO lines of Safe Voltage Sensor.
- Video Section:** Contains a 4ch Multiplexer 4052 with pins Y0-Y3, X0-X3, INH, VEE, and VSS. It includes a Video Amp, a 4x4 matrix switch, and a Cartridge Selector.
- Input Selector:** A switch selecting between Phono, Tuner, CD, and Video inputs.
- Volume Section:** Includes a Volume Section, Balance, and a Loadswitch.
- Filt & Tone Amp. Section:** Contains a Filt & Tone Amp and a Tone Amp.
- Other Components:** A Cartridge Selector, a Tuner, a Headphone output, and a Speaker Selector.

Y	X	INH	Y	X	INH
Y0	X0	L	Y1	X1	L
Y2	X2	L	Y3	X3	L

Fig. 8.2

9. SPECIFICATIONS

9.1. For SR-3 & SR-3A

Power Amplifier Section

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

Continuous Average Output . . . 45 watts per channel into 8 ohms, both channels driven, 20—20,000 Hz at no greater than 0.1% THD
Power
Dynamic Output Power 64 watts per channel into 8 ohms
80 watts per channel into 4 ohms
Dynamic Head Room (8 ohms) . 1.5 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 105 mW
(40 ohms)
Output Current Capability 18A 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 MC 60/160 μ V
(Gain: 32/24 dB)
Phono MM 2.5 mV
CD/Tape 200 mV
Video 200 mV
Sensitivity: (for 1-watt output per IHF-A-202)
Phono MC 8.94/23.9 μ V
(Gain: 32/24 dB)
Phono MM 0.37 mV
CD/Tape 29.8 mV
Video 29.8 mV
Input Impedance
Phono MC 100 ohms
Phono MM 47 kohms
CD/Tape 22 kohms
Video 22 kohms
Maximum Input Level (1 kHz)
Phono MC 3/8 mV
(Gain: 32/24 dB)
Phono MM 140 mV
Record Output Level/ 200 mV/1 kohms
Impedance
Total Harmonic Distortion (1 kHz, to Rec Out, at 1 V)
Phono MC Less than 0.003% (either gain)
Phono MM Less than 0.002%
RIAA Deviation
Phono MC 30—20,000 Hz $\pm$ 0.5 dB
Phono MM 30—20,000 Hz $\pm$ 0.5 dB
Signal to Noise Ratio (to speaker output per IHF-A-202)
Phono MC with 32 dB Gain Better than 73 dB
24 dB Gain Better than 72 dB
Phono MM Better than 80 dB

Tone Controls

Bass 20 Hz, $\pm$ 10 dB
Treble 20 kHz, $\pm$ 10 dB
Loudness (Volume: —30 dB) 20 Hz, +10 dB; 20 kHz, +6 dB
Subsonic Filter (Phono Only) Cutoff Frequency 20 Hz, —12 dB/octave

Tuner Section

(1) SR-3 (Canada & Other (see Note)) & SR-3A

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 $\pm$ 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 ($\pm$ 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 ($\pm$ 10 kHz)

(2) SR-3 (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	270 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	8.5 kg, 18 lbs. 12 oz.

9.2. For SR-3E (Europe & Germany)

Power Amplifier Section

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

Continuous Average Output . . . 45 watts per channel into 8 ohms, both channels driven, 20—20,000 Hz at no greater than 0.1% THD
Power
Dynamic Output Power 64 watts per channel into 8 ohms
80 watts per channel into 4 ohms
Dynamic Head Room (8 ohms) . 1.5 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 105 mW
(40 ohms)
Output Current Capability 18A 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 MC 60/160 μ V
(Gain: 32/24 dB)
Phono MM 2.5 mV
CD/Tape 200 mV
Video 200 mV

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

Phono MC 8.9/24 μ V
(Gain: 32/24 dB)
Phono MM 0.37 mV
CD/Tape 29.8 mV
Video 29.8 mV

Input Impedance

Phono MC 100 ohms
Phono MM 47 kohms
CD/Tape 20 kohms
Video 20 kohms

Maximum Input Level (1 kHz)

Phono MC 3/8 mV
(Gain: 32/24 dB)
Phono MM 140 mV

Record Output Level/ 200 mV/1 kohms

Impedance

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

Phono MC Less than 0.003% (either gain)
Phono MM Less than 0.002%

RIAA Deviation

Phono MC 30—20,000 Hz $\pm$ 0.5 dB
Phono MM 30—20,000 Hz $\pm$ 0.5 dB

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

Phono MC with 32 dB Gain . Better than 71 dB
24 dB Gain . Better than 70 dB
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
Subsonic Filter (Phono Only) . . Cutoff Frequency 20 Hz, -12 dB/octave

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 11 dBf/1.9 μ V

(Mono)

50-dB Quieting Sensitivity

Mono 23.0 dBf/7.7 μ V

Stereo 43.0 dBf/77.4 μ V

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 ± 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 (± 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 (± 9 kHz)

General

Power Source 220 V AC, 50/60 Hz

Power Consumption 270 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 8.5 kg, 18 lbs, 12 oz.

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