



# Service Manual

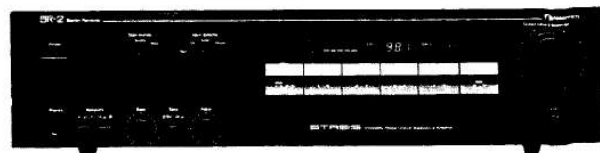
# Nakamichi

## SR-2

## SR-2A

## SR-2E

Stereo Receiver



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1. GENERAL

1.1. Voltage Selector

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

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

1.2. Package Ass'y and Parts List

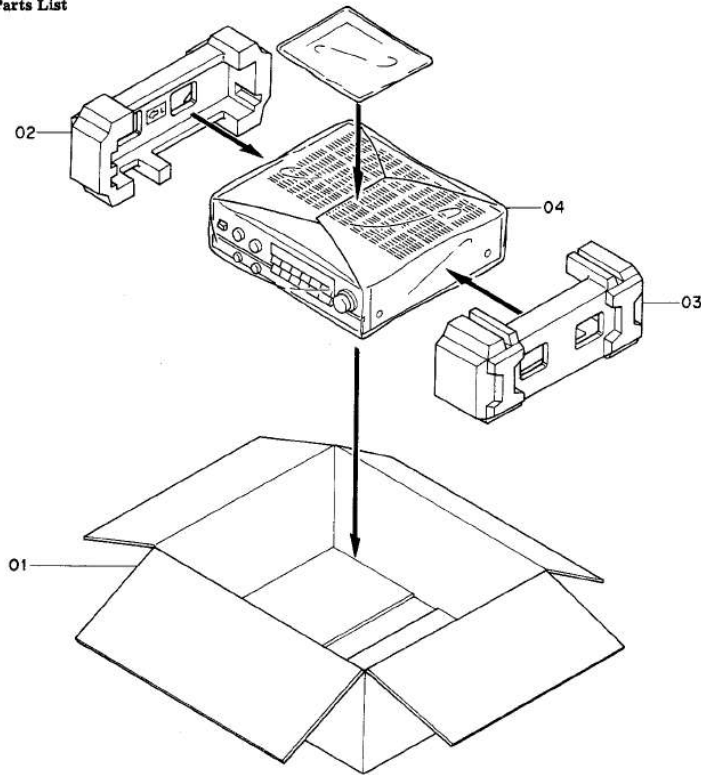


Fig. 1.1

1.3. Accessory Ass'y and Parts List

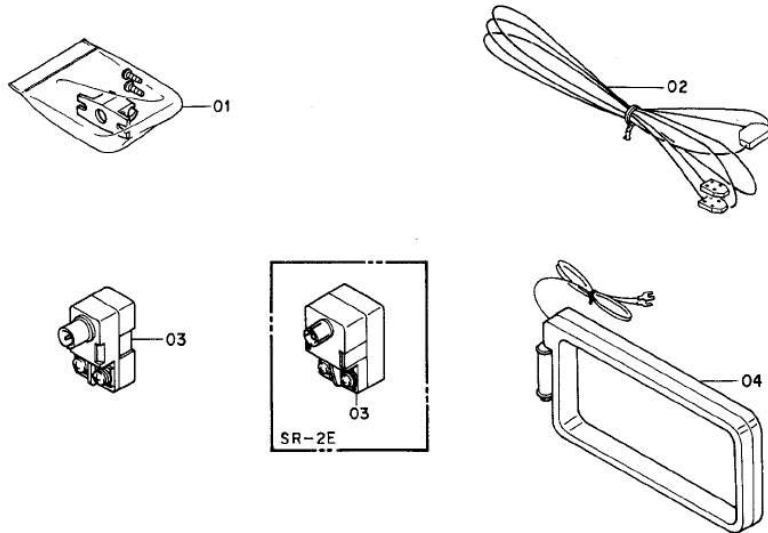


Fig. 1.2

2. PARTS LOCATION FOR ELECTRICAL ADJUSTMENT

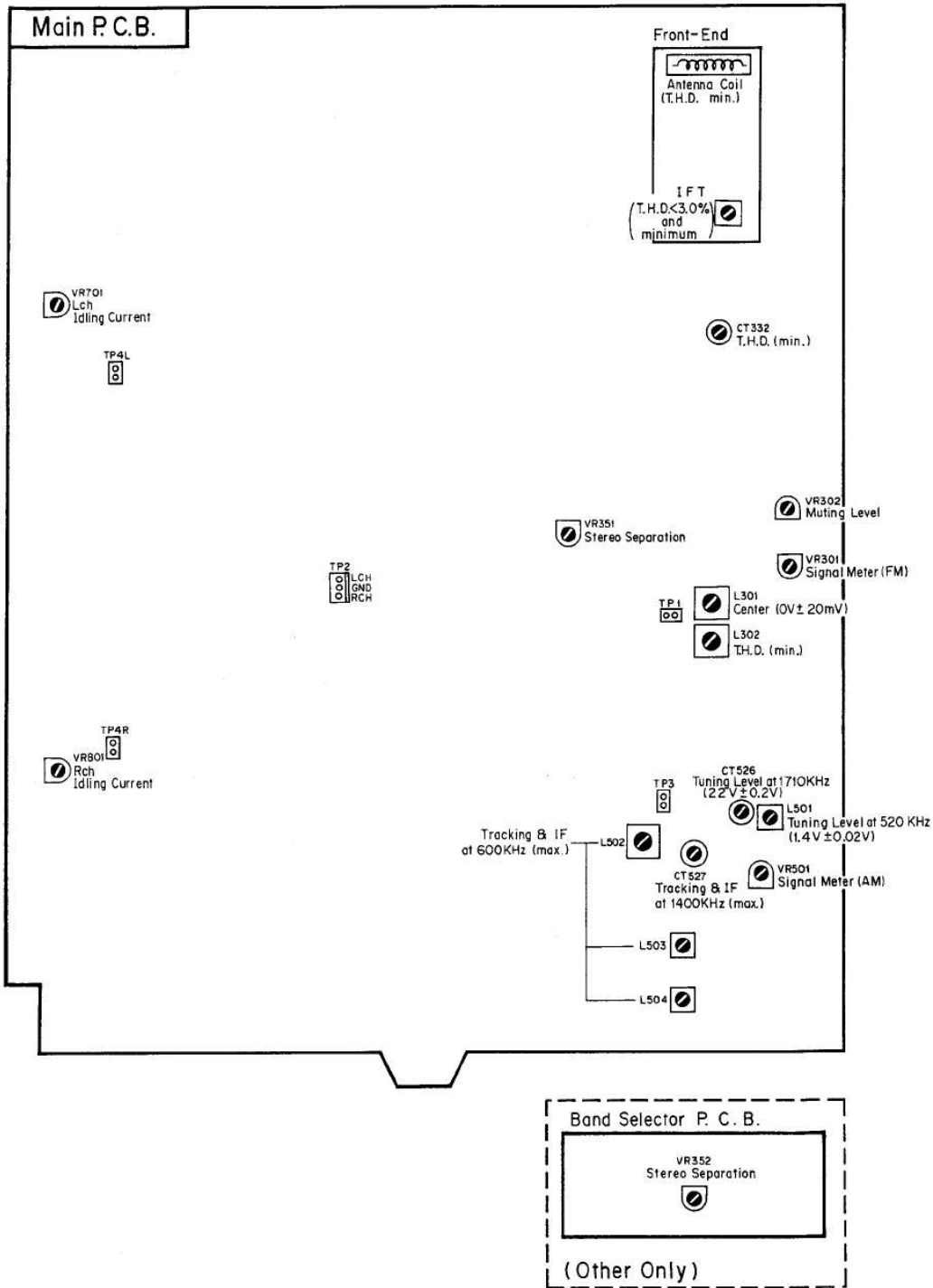


Fig. 2



### 3. ELECTRICAL ADJUSTMENTS

#### 3.1. Power Amplifier Section

STEP	ITEM	SIGNAL SOURCE	OUTPUT CONNECTION	MODE	ADJUSTMENT	REMARKS
1	Idling Current	None	DC Voltmeter between TP4L-1 & 2 and TP4R-1 & 2 on Main P.C.B.	Input Selector - CD Output Level - Min. Speaker Selector A/B - OFF	Main P.C.B. VR701 VR801	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 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.

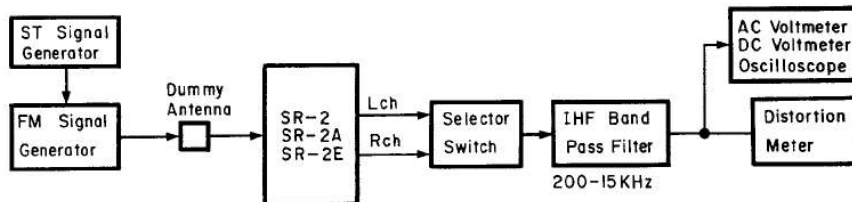


Fig. 3.1

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 Record Jacks	Stereo Receiver Same as above Signal Generator Freq. - 98 MHz RF Level - 65 dBf Modulation - Mono	Main P.C.B. L301 L302	1. Set the Stereo Receiver to Manual mode. 2. Adjust L301 so that the reading on the DC voltmeter is 0 V $\pm$ 20 mV. 3. Adjust L302 to obtain minimum distortion (THD: 0.07% or less). Repeat 2 and 3, if necessary.
4	Muting Level Adjustment	Oscilloscope to Tape Record Output Jacks	Stereo Receiver Same as above Signal Generator Freq. - 98 MHz RF Level - 30 dBf Modulation - Stereo	Main P.C.B. VR302	1. Set the Stereo Receiver to Auto mode. 2. Rotate VR302 fully counterclockwise. Then, return it clockwise gradually until a waveform appears on the oscilloscope. 3. Decrease the RF level of the Signal Generator until the waveform on the oscilloscope disappears. Then increase the RF level gradually until a waveform appears again. At this point, check that the RF level of the Signal Generator is 30 dBf $\pm$ 3 dB.
5	Signal Strength Meter Level Adjustment	None	Stereo Receiver Same as above Signal Generator Freq. - 98 MHz RF Level - 56 dBf Modulation - Stereo	Main P.C.B. VR301	1. Set the Stereo Receiver to Auto mode. 2. Adjust VR301 so that all segments (1-5) of the signal strength meter light up. 3. Decrease the RF level of the Signal Generator to distinguish the segment 5. Next, increase the RF level gradually so that the segment 5 starts illuminating. At this point, check that the RF level of the Signal Generator is 56 dBf $\pm$ 2 dB.
6	Stereo Separation Adjustment	AC Voltmeter to Tape Record Output Jacks	Stereo Receiver Same as above Signal Generator Freq. - 98 MHz RF Level - 65 dBf Modulation - L or R only	Main P.C.B. VR351  Band Selector P.C.B. VR352 (Other only)	<b>Except for Other version:</b> 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.  <b>For Other version:</b> 1. Set the switches on the rear panel as follows: Freq. Step FM/AM - 100 kHz/10 kHz IF Band - Wide 2. Apply the same procedures as above. 3. Set the switches as follows: Freq. Step FM/AM - 50 kHz/9 kHz IF Band - Narrow 4. Apply the same procedures as mentioned above, except for VR352.

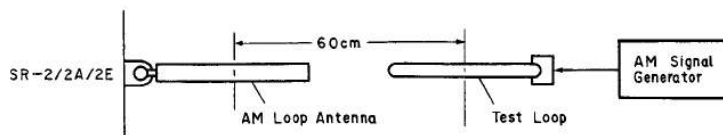


Fig. 3.2

STEP	ITEM	OUTPUT CONNECTION	MODE	ADJUSTMENT	REMARKS
7	Stereo/Mono Selection Check and THD Adjustment		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 Record Output Jacks	Stereo Generator Same as above  Signal Generator Freq. - 600 (603) kHz/ 1400 (1404) kHz RF Level - 82 dB $\mu$ /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-2/2A/2E and a test loop to 60 cm. To obtain 56 dB $\mu$ /m at the AM Loop Antenna, set the RF level output of the AM Signal Generator to 82 dB $\mu$ /m as loss is 26 dB $\mu$ /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 dB $\mu$ /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 dB $\mu$ /m in order to obtain 80 dB $\mu$ /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

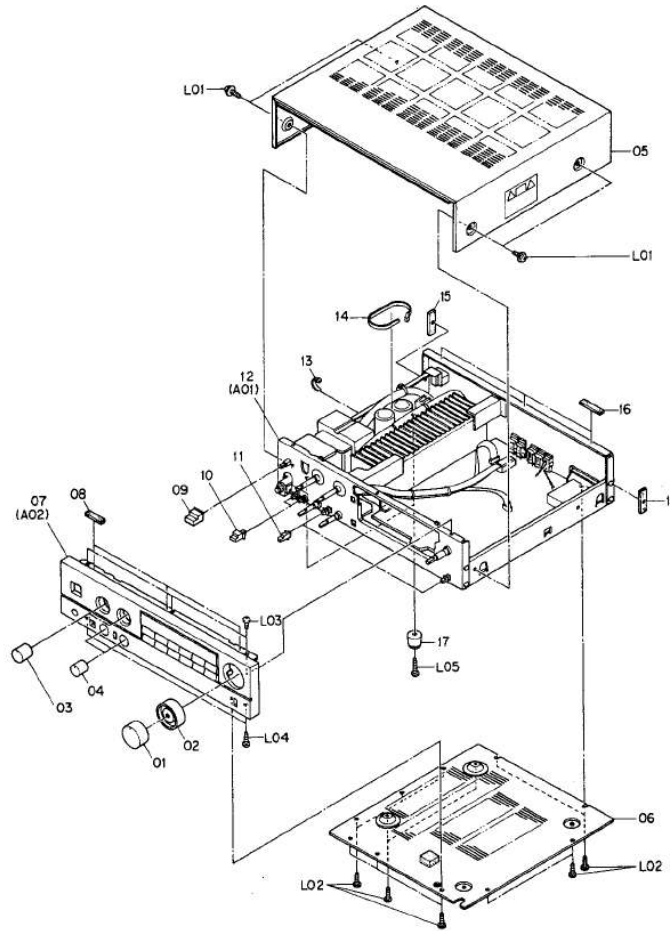


Fig. 4.1

Schematic Ref. No.	Part No.	Description	Qty	Schematic Ref. No.	Part No.	Description	Qty
		<b>Synthesis</b> Serial No.: D10401001 -			HA05097A	Front Panel Ass'y (SR-2A)	1
					HA05096A	Front Panel Ass'y (SR-2E (Europe & Germany))	1
01	HA05103A	Volume Knob Ass'y	1	08	0J05364A	Top Cover Cushion T4	3
02	HA05104A	Balance Knob Ass'y	1	09	OH04947A	Power Switch Knob	1
03	HA05105A	Selector Knob Ass'y	2	10	OH04950B	Push Switch Knob 10L	2
04	HA05106A	Tone Control Knob Ass'y	2	11	OH04949B	Push Switch Knob 5L	2
05	HA05148A	Top Cover Ass'y (SR-2 (Canada & Australia), SR-2A & SR-2E (Europe & Germany))	1	12	JA04234A	Chassis Ass'y (SR-2 (Canada))	1
	HA05179A	Top Cover Ass'y (SR-2 (Other)) (Consisting of the followings:)	1		JA04236A	Chassis Ass'y (SR-2 (Australia))	1
	(OH04934C)	Top Cover	(1)		JA04235A	Chassis Ass'y (SR-2 (Other))	1
	(OM04377B)	Caution Label	(1)		JA04238A	Chassis Ass'y (SR-2A)	1
	(OJ05281A)	Top Cover Cushion S	(3)		JA04237A	Chassis Ass'y (SR-2E (Europe))	1
	(OM04811A)	Voltage Caution Sheet (SR-2 (Other))	(1)		JA04287A	Chassis Ass'y (SR-2E (Germany))	1
	(OM04812A)	Voltage Caution Label (SR-2 (Other))	(1)	13	OB90019A	Insu-Lock SKB80	25
06	JA04245A	Bottom Cover Ass'y (Consisting of the followings:)	1	14	OB08515A	Insu-Lock BK-1	5
	(OJ05203C)	Bottom Cover	(1)	15	OJ05226A	Side Cushion	2
	(OJ05162A)	Leg T-S	(2)	16	OJ05363A	Top Cover Cushion T3	3
	(OM04377B)	Caution Label	(1)	17	OJ05162A	Leg T-S	2
	(OE00888A)	BT3x12 @ Binding	(2)	L01	OE03032A	BT4x8 @ Pan Washer-faced (Black Chromate)	4
	(OJ05214A)	P.C.B. Cushion	(1)	L02	OE00868A	BT3x8 @ Binding	12
07	HA05094A	Front Panel Ass'y (SR-2 (Canada))	1	L03	OE00857A	BT3x6 @ Binding	3
	HA05095A	Front Panel Ass'y (SR-2 (Australia & Other))	1	L04	OE00921A	BT3x8 @ Binding	2
				L05	OE00888A	BT3x12 @ Binding (Black Chromate)	2

4.2. Chassis Assy (A01)

Schematic Ref. No.	Part No.	Description	Qty
A01	JA04234A	Chassis Assy (SR-2 (Canada))	1
	JA04236A	Chassis Assy (SR-2 (Australia))	1
	JA04235A	Chassis Assy (SR-2 (Other))	1
	JA04238A	Chassis Assy (SR-2A)	1
	JA04237A	Chassis Assy (SR-2E (Europe))	1
JA04287A	Chassis Assy (SR-2E (Germany))	1	
		Serial No.: D15401003 -	
01	QJ05092A	Snap Plate	1
02	Q05258E	Selector Knob Himelton	2
03	Q05200C	Front Chassis	1
04	BA06250A	Power Switch F.C.B. Assy (SR-2 (Canada) & SR-2A)	1
	BA06252A	Power Switch F.C.B. Assy (SR-2 (Australia) & Other)	1
	BA06251A	Power Switch F.C.B. Assy (SR-2E (Europe))	1
	BA06821A	Power Switch F.C.B. Assy (SR-2E (Germany))	1
05	BA06253A	Speaker Switch F.C.B. Assy	1
06	BA06256A	Monitor Switch F.C.B. Assy	1
07	0B70080A	Rotary Switch Controller 4-4	1
08	BA06244A	Tone Control F.C.B. Assy (SR-2, SR-2A & SR-2E (Europe))	1
	BA06817A	Tone Control F.C.B. Assy (SR-2E (Germany))	1
09	BA06242A	Volume F.C.B. Assy	1
10	BA06239A	Loudness Switch F.C.B. Assy	1
11	QJ05201C	Power Supply Chassis	1
12	0B50072A	Power Transformer (SR-2 (Canada) & SR-2A)	1
	0B50073A	Power Transformer (SR-2 (Australia) & SR-2E (Europe))	1
	0B50074A	Power Transformer (SR-2 (Other))	1
	0B50092A	Power Transformer (SR-2E (Germany))	1
13	BA06246A	Power Supply F.C.B. Assy (SR-2 (Canada) & Other) & SR-2A)	1
	BA06247A	Power Supply F.C.B. Assy (SR-2 (Australia) & SR-2E (Europe))	1
	BA06820A	Power Supply F.C.B. Assy (SR-2E (Germany))	1
14	QJ05019A	Collar Bushing 10mm	2
15	QJ05208A	Collar Bushing 18mm	2
16	0B9010A	Hex Lock TROMER-SIS	4
17	QJ05206A	Heat Sink Holder B	1
18	QJ05272A	Heat Sink Holder D	1
19	BA06234A	Main F.C.B. Assy (SR-2 (Canada) & SR-2A)	1
	BA06309A	Main F.C.B. Assy (SR-2 (Australia))	1
	BA06236A	Main F.C.B. Assy (SR-2 (Other))	1
	BA06235A	Main F.C.B. Assy (SR-2E (Europe))	1
	BA06814A	Main F.C.B. Assy (SR-2E (Germany))	1
20	BA06283A	Speaker Terminal F.C.B. Assy (SR-2, SR-2A & SR-2E (Europe))	1
	BA06822A	Speaker Terminal F.C.B. Assy (SR-2E (Germany))	1
21	0B82759A	FD Connector (SR-2 (Canada) & Other) & SR-2A)	1
22	0B82758A	FD Connector (SR-2 (Australia) & Other) & SR-2A)	1
23	0B80388A	AC Outlet F.C.B. (SR-2 (Canada) & Other) & SR-2A)	1
24	QJ05224A	Insulator (SR-2 (Canada))	1
	HA05082A	Rear Panel Assy (SR-2 (Canada))	1
	HA05085A	Rear Panel Assy (SR-2 (Australia))	1
	HA05084A	Rear Panel Assy (SR-2 (Other))	1
	HA05087A	Rear Panel Assy (SR-2E (Europe) & Germany))	1
	HA05086A	Rear Panel Assy (SR-2E (Germany))	1
26	QJ05202C	Side Chassis	1
27	BA06308A	Base Selector F.C.B. Assy (SR-2 (Other))	1
	0B81138A	Ground Wire	1
L01	0E00612A	M2x8 @ Pan (2A)	8
L02	0E00608A	BT3x8 @ Blinding	18
L03	—	Nut M3	(1)
L04	—	Washer	(3)
L05	—	Nut M7	(4)
L06	—	Washer	(4)
L07	0E02317A	BT 4x8 @ Blinding	4
L08	0E02317A	BT 3x8 @ Blinding with Washer	5
L09	0E02071A	BT 3x25 @ Blinding	2
L10	0E00608A	BT 3x8 @ Blinding	1
L11	0E00921A	BT 3x8 @ Blinding (Black Chromate)	11

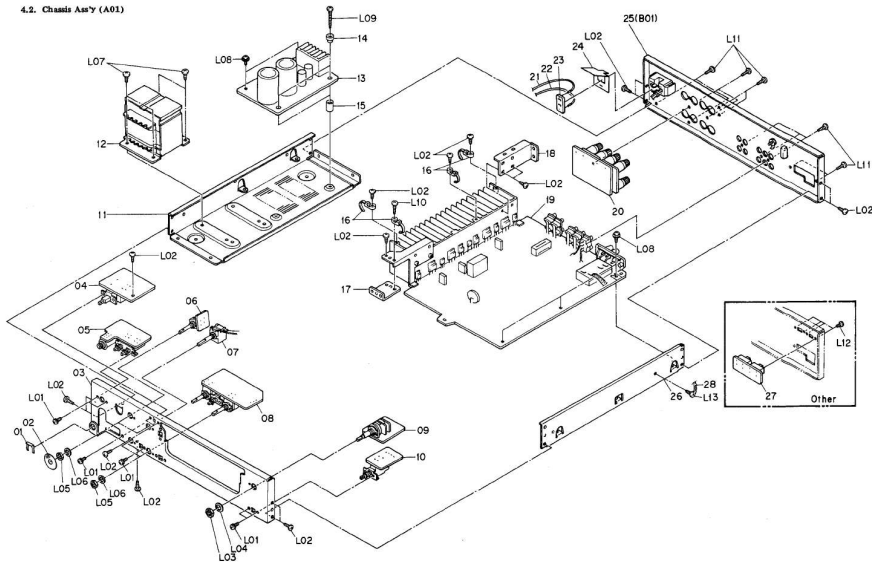


Fig. 4.2

Schematic Ref. No.	Part No.	Description	Qty
L12	0E00945A	M2.5x4 @ Blinding (Black Chromate) (SR-2 (Other))	4
L13	0E03321A	ST3x8 @ Blinding (SR-2E (Germany))	1

4.3. Front Panel Assy (A02)

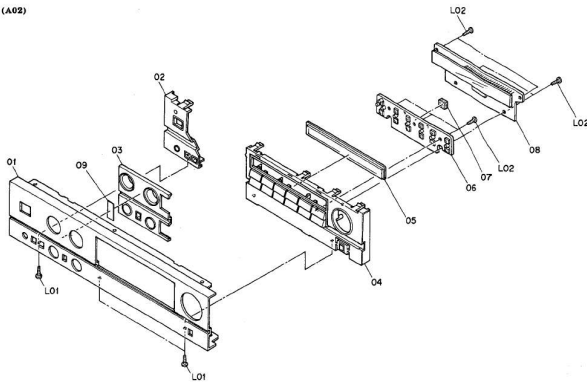


FIG. 4.3

4.4. Rear Panel Assy (B01)

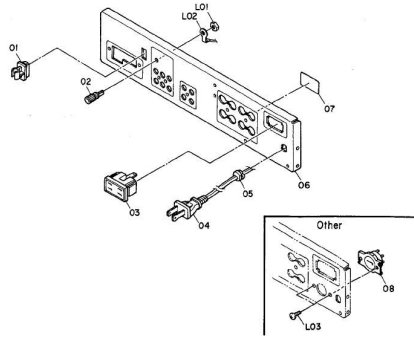


FIG. 4.4

Schematic Ref. No.	Part No.	Description	Qty	
A02	HA05094A	Front Panel Assy (SR-2 (Canada))	1	
	HA05095A	Front Panel Assy (SR-2 (Australia & Other))	1	
	HA05097A	Front Panel Assy (SR-2A)	1	
	HA05096A	Front Panel Assy (SR-2E (Europe & Germany))	1	
	Serial No.: D10401001 -			
01	OH04921B	Front Panel (SR-2)	1	
	OH04920B	Front Panel (SR-2A)	1	
	OH04922A	Front Panel (SR-2E)	1	
	OH04925C	Front Panel (SR-2A)	1	
	OH05010A	Front Escutcheon C	1	
	HA05102B	Front Escutcheon L	1	
	OH04928A	Display Lens	1	
	HA05242A	Control Switch P.C.B. Assy	1	
02	OU02922A	Indicator Cushion	1	
	BA02240A	Display P.C.B. Assy (SR-2 (Canada) & SR-2A)	1	
	BA02241A	Display P.C.B. Assy (SR-2 (Australia & Other) & SR-2E (Europe & Germany))	1	
	BA02241A	Display P.C.B. Assy (SR-2 (Australia & Other) & SR-2E (Europe & Germany))	1	
L01	OE00921A	HTX8 8 Binding	3	
L02	OE00868A	HTX8 8 Binding	7	
B01	HA05083A	Rear Panel Assy (SR-2 (Canada))	1	
	HA05085A	Rear Panel Assy (SR-2 (Australia))	1	
	HA05084A	Rear Panel Assy (SR-2 (Other))	1	
	HA05087A	Rear Panel Assy (SR-2A)	1	
	HA05086A	Rear Panel Assy (SR-2E (Europe & Germany))	1	
		Serial No.: D10401001 -		
	01	OB90071A	AM Loop Antenna Holder	1
	02	OB11604A	Ground Terminal T-5435	1
	03	OB11597A	AC Outlet 2P (SR-2 (Canada & Other) & SR-2A)	1
	04	OB90205A	Power Cord (SR-2 (Canada & Other) & SR-2A)	1
OB05241A		Power Cord (SR-2 (Australia))	1	
OB060930		Power Cord (SR-2E (Europe & Germany))	1	
05	OB08351A	Cord Bushing 4E-4 (SR-2 (Canada & Other) & SR-2A)	1	
	OB08037U	Cord Bushing C (SR-2 (Australia & SR-2E (Europe & Germany)))	1	
06	OH04927B	Rear Panel (SR-2 (Canada))	1	
	OH04924B	Rear Panel (SR-2 (Australia))	1	
	OH04929B	Rear Panel (SR-2 (Other))	1	
	OH04928B	Rear Panel (SR-2A)	1	
	OH04928A	Rear Panel (SR-2E (Europe & Germany))	1	
07	OM04380A	Barrier Caution Label (SR-2 (Canada) & SR-2A)	1	
08	OB70049A	Voltage Selector (SR-2 (Other))	1	
L01	-	Nut (Ground Terminal)	(1)	
L02	-	Earth Lug (Ground Terminal)	(1)	
L03	OE00985A	M8x8 8 Binding (Black Chromate) (SR-2 (Other))	2	

## 5. MOUNTING DIAGRAMS AND PARTS LIST

Notes: 1. Mounting diagram shows a dip side view of the printed circuit board.

2. Diode is 1SS53, 1S1555, or 1SS176 unless otherwise specified.

3. Following transistors are interchangeable with each other.

a. 2SA733, 2SA608SP, 2SA1048, 2SA1175

b. 2SC945, 2SC536SP, 2SC2458, 2SC2785

4. Abbreviation for part name:

TR - Transistor, SiD - Silicon Diode, ZD - Zener Diode, Varicap - Variable Capacitance Diode

RK - Carbon Resistor, RM - Metal Film Resistor, RF - Fail Safe Type Resistor, RC - Cement Resistor

CE - Electrolytic Capacitor, CM - Mylar Capacitor, CC - Ceramic Capacitor, CP - PP Capacitor,

CMM - Metalized Mylar Capacitor, CSP - Polystyrene Capacitor, C - Mica Capacitor

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

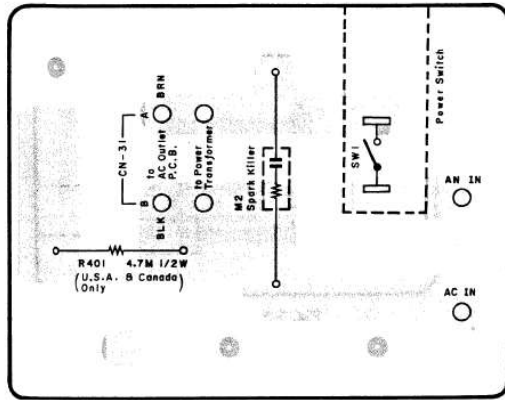


Fig. 5.1

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

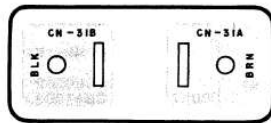


Fig. 5.2

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

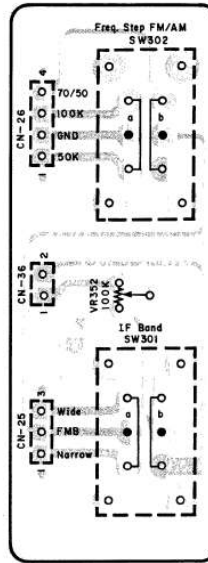


Fig. 5.3.1 2nd Version

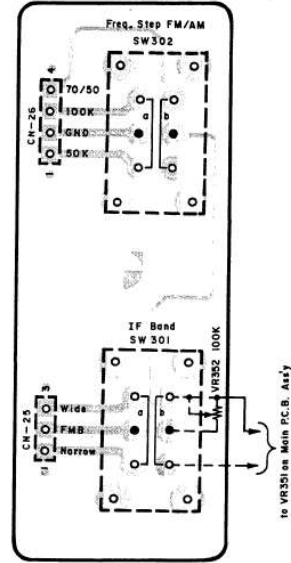


Fig. 5.3.2 1st Version

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
R401	BA06250A	Power Switch P.C.B. Ass'y (SR-2 (Canada) & SR-2A)	CN 31A CN 31B	OE00752A	Eyelet 2x3 (2)
	BA06252A	Power Switch P.C.B. Ass'y (SR-2 (Australia & Other))		OE00147A	Earth Lug B-6 (SR-2 (Canada) & SR-2A) (1)
	BA06251A	Power Switch P.C.B. Ass'y (SR-2E (Europe))		BA06255A	AC Outlet P.C.B. Ass'y (SR-2 (Canada & Other) & SR-2A)
	BA06821A	Power Switch P.C.B. Ass'y (SR-2E (Germany))		OB60388A	AC Outlet P.C.B. PD Connector V450
SW1 M2	OB60387B	Power Switch P.C.B. RK 4.7M 1/2W J (SR-2 (Canada) & SR-2A)	VR.352 SW301,302 CN 25 CN 26 CN 36	OB82758A	PD Connector V450
	OB20057A	Power Switch P.C.B. RK 4.7M 1/2W J (SR-2 (Canada) & SR-2A)		OB82759A	PD Connector V450
	OB71006A	Power Switch Spark Killer (SR-2 (Canada) & SR-2A)		BA06308A	Band Selector P.C.B. Ass'y (SR-2 (Other))
	OB08342A	Power Switch Spark Killer (SR-2 (Canada) & SR-2A)		OB60378B	Band Selector P.C.B. Semi VR 100K
	OB08240A	Power Switch Spark Killer (SR-2 (Australia & Other))		OB32099A	Slide Switch 22S
	OB90264A	Power Switch Spark Killer XE-333 (SR-2E (Europe & Germany))		OB70039A	3P Connector 160
				OB82804A	4P Connector 200
				OB82805A	2P Connector S200
				OB82905A	

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

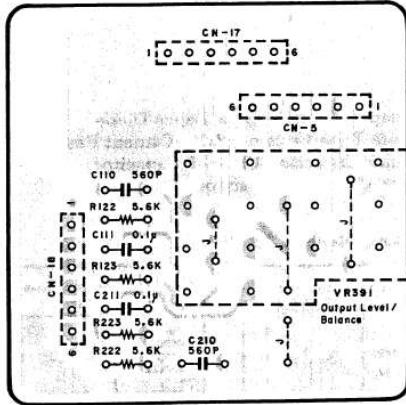


Fig. 5.4

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

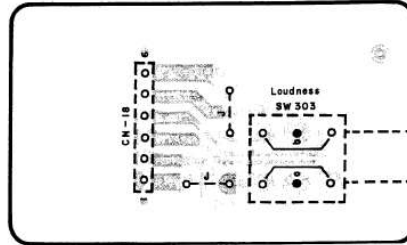


Fig. 5.5.1 2nd Version

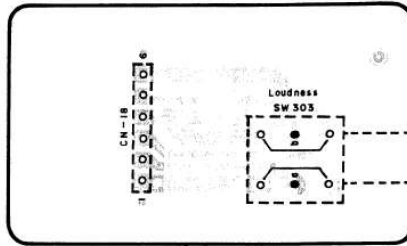


Fig. 5.5.2 1st Version

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	BA06244A	Tone Control P.C.B. Ass'y (SR-2, SR-2A & SR-2E (Europe))	C113,119 213,219 C114,214 C115,215 C116,216 SW304	OB09816A	CE 10μ 16V (LN)
	OB60383B OB30061A OB09695A	Volume P.C.B. VR RK1612420 RK 5.6K 1/6W J		BA06817A	Tone Control P.C.B. Ass'y (SR-2E (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. —	— Miscellaneous —			
SW303 CN18 CN18	BA06290A	Loudness Switch P.C.B. Ass'y	OB10193A	FET 2SK184 (GR)	C027,028 CN3 CN6,17 19,19 CN20,20 AJ BJ	OB60382B OB41803A	Tone Control P.C.B. C 470P 50V J (SR-2E (Germany))	
	OB60390B	Loudness Switch P.C.B. Push Switch 1 Key Dip Mate 6P WH6D-1	OB10050A	TR 2SA970 (BL)		OB82793A OB81013A	3P Connector 500 Dip Mate 6P WH6D-1	
	OB70074A OB81013A	Dip Mate 6P WH6D-1	OB06142A	TR 2SC2240 (BL)		OB81010A	Dip Mate 3P WH3D-1	
R742,842 CN23A CN23B CN33	BA06253A	Speaker Switch P.C.B. Ass'y	OB12150A	ZD 5.6V RD5.6JS-T1B2	OB82040B OB82041B OB82734B OB82735B OB82737B OB82738B	OB82040B	PD Connector V050	
	OB60385C	Speaker Switch P.C.B.	OB12174A	ZD 12V RD12JS-T1B2		OB82041B	PD Connector V050	
	OB24104A	RF 330 1W J	OB22229A	RM 1,00K 1/6W F		OB82734B	Ribbon Cable 6P 500mm (1)	
	OB82744B	PD Connector V600	OB22315A	RM 5.62K 1/6W F		OB82735B	Ribbon Cable 6P 320mm (1)	
	OB82745B	PD Connector V720	OB22371A	RM 18.2K 1/6W F		OB82737B	Ribbon Cable 6P 120mm (1)	
	OB82760A	PD Connector V350	OB22265A	RM 2.20K 1/6W F		OB82738B	Ribbon Cable 3P 140mm (1)	
	OB70075A	Push Switch 2 Key (1)	OB22347A	RM 11.0K 1/6W F				
	OB81478A	Headphone Jack (1)	OB09673A	RK 680 1/6W J				
			R129,229	RK 1.2K 1/6W J				
			R130,230	RK 5.6K 1/6W J				
		R131,231	RK 56K 1/6W F					
		R162,262	RM 332K 1/6W F					
		R410	RK 1K 1/6W J					
		R420	RK 330 1/6W J					
		R421	RK 2.2K 1/6W J					
		C112,212	CSP 100P 50V J (SR-2, SR-2A & SR-2E (Europe))					
			CSP 330P 50V J (SR-2E (Germany))					
			OB41703A					
			OB41704A					
			— Tone Amp. —					
		IC393	OB11070A	IC NJM072S				
		VR392	OB30062A	VR 100K (B)x2				
		VR393	OB30063A	VR 500K (B)x2				
		R134,234	OB09725A	RK 100K 1/6W J				
		R135-138	OB09715A	RK 39K 1/6W J				
		235-238						
		R139,239	OB09723A	RK 82K 1/6W J				



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

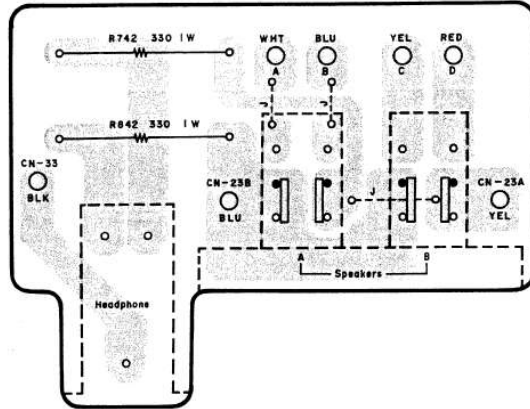


Fig. 5.6

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

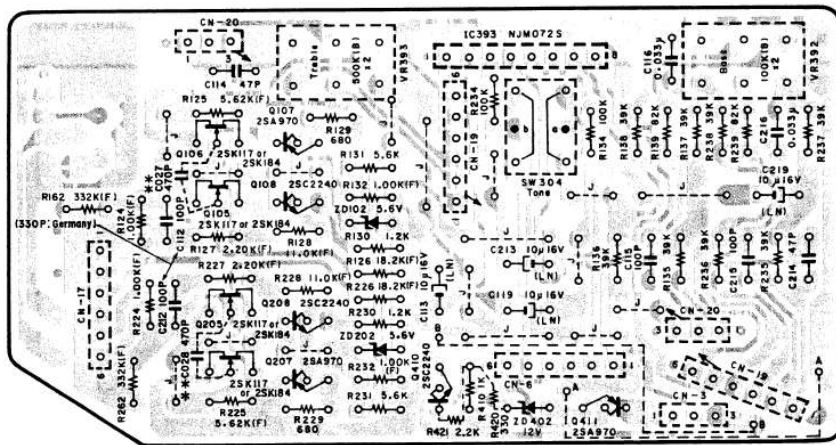


Fig. 5.7.1 2nd Version

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

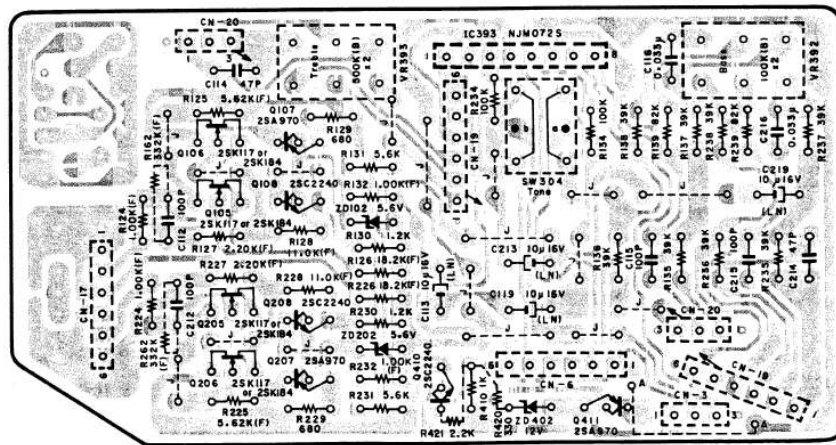


Fig. 5.7.2 1st Version (For SR-2 & SR-2A only)

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

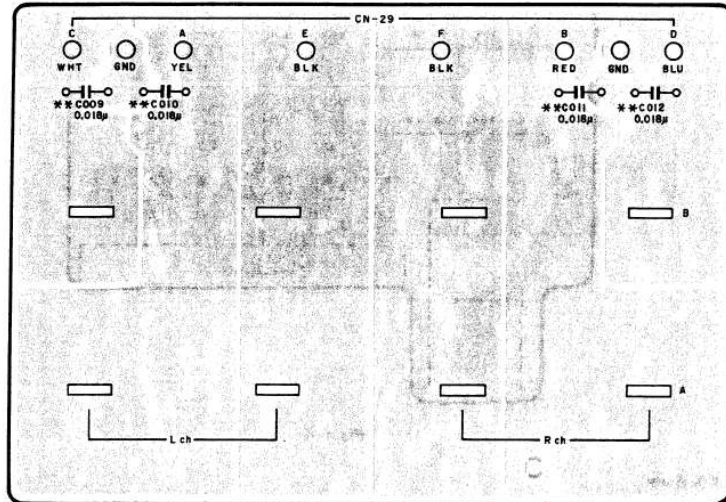


Fig. 5.8

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

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

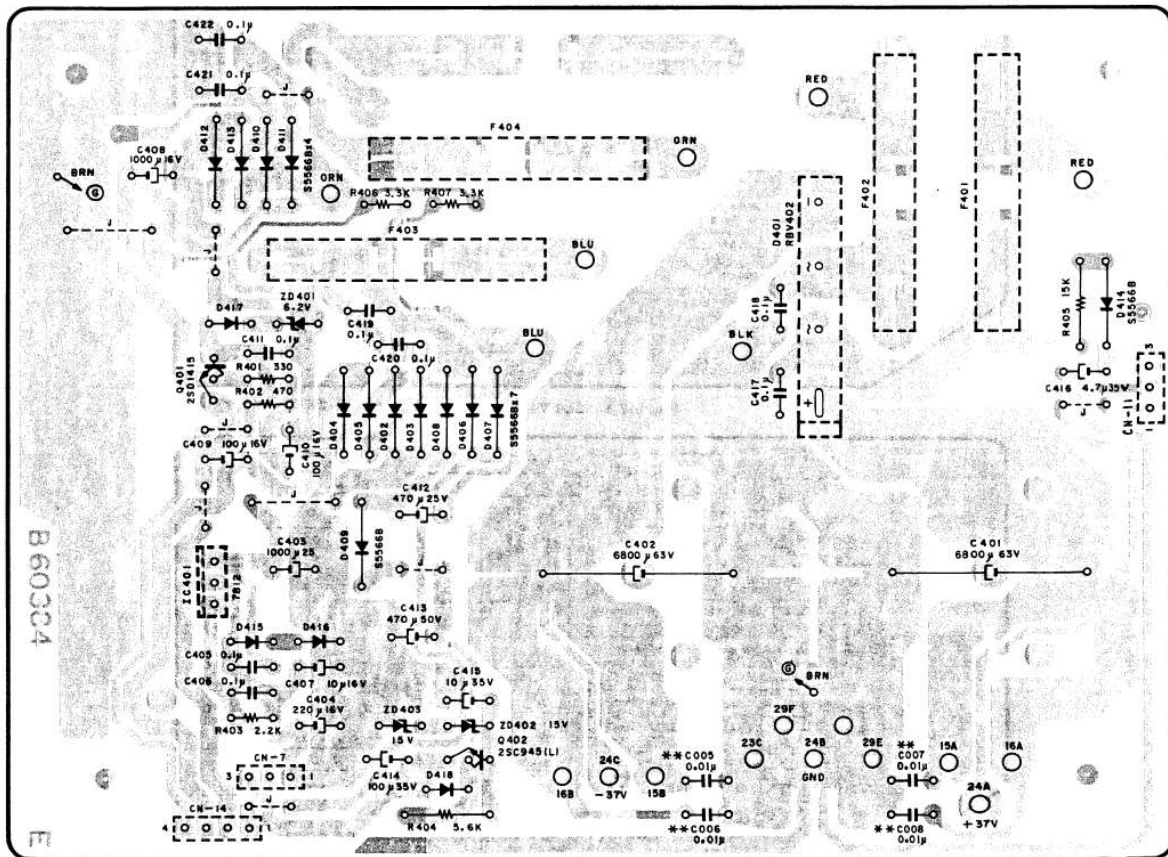


Fig. 5.9

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

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
C009,010 011,012 CN29A CN29B CN29C CN29D CN29E,29F	BA06283A	Speaker Terminal P.C.B. Ass'y (SR-2, SR-2A & SR-2E (Europe))	CN15A CN15B CN16A CN16B CN21 CN23C CN24A CN24B CN24C	OB82740B	PD Connector V400
	BA06822A	Speaker Terminal P.C.B. Ass'y (SR-2E (Germany))		OB82741B	PD Connector V400
	OB60386C	Speaker Terminal P.C.B.		OB82742B	PD Connector V520
	OB41289A	CMM 0.018 $\mu$ 50V J (SR-2E (Germany))		OB82743B	PD Connector V520
	OB82753A	PD Connector V420		OB82803A	2P Connector
	OB82754A	PD Connector V420		OB82746B	PD Connector V440
	OB82755A	PD Connector V420		OB82747B	PD Connector V300
	OB82756A	PD Connector V420		OB82748B	PD Connector V300
	OB82757A	PD Connector V250		OB82749B	PD Connector V300
	OB81595B	Speaker Terminal 8P (1)		OB8349B	Fuse Clip (SR-2 (Australia) & SR-2E (Europe & Germany)) (8)
	OB90019A	Insu-Lock SKB80 (4)		0M04191A	Fuse Label T1A 250V (SR-2 (Australia) & SR-2E (Europe & Germany)) (1)
	OB83056B	Ground Wire (SR-2E (Germany)) (1)		0M04462A	Fuse Label T2.5A 250Vx2 (SR-2 (Australia) & SR-2E (Europe & Germany)) (1)
	IC401 Q401 Q402 ZD401  ZD402,403  D401 D402-414 D415,416 417,418 R401 R402 R403 R404 R405 R406,407 C005,006 007,008 C401,402 C403 C404 C405,406 411,417 418-422 C407 C408 C409,410 C412 C413 C414 C415 C416 F401,402  F401,402  F403,404  F403  F404  CN7,11 CN14	BA06246A		Power Supply P.C.B. Ass'y (SR-2 (Canada & Other) & SR-2A)	0J05197A 0E03355A OB90019A  OB90206A  0J05225A
BA06247A		Power Supply P.C.B. Ass'y (SR-2 (Australia) & SR-2E (Europe))	0E00612A	M3x6 $\Phi$ Pan (2A) (2)	
BA06820A		Power Supply P.C.B. Ass'y (SR-2E (Germany))	0J05197A	Heat Sink (1)	
OB60384E		Power Supply P.C.B.	0E03355A	Earth Lug (1)	
OB11252A		IC AN78M12	OB90019A	Insu-Lock SKB80 (6)	
OB10012A		TR 2SD1415	OB90206A	Insu-Lock SKB4M (1)	
OB01872A		TR 2SC945L (P,Q)	0J05225A	Capacitor Cushion (1)	
OB12153A		ZD 6.2V			
OB12181A		ZD 15V			
		RD15JS-T1B2			
OB12387A		SiD RBV-402			
OB12362A		SiD S5566B (13)			
OB06398A		SiD 1SS176			
OB09665A		RK 330 1/6W J			
OB09669A		RK 470 1/6W J			
OB09685A		RK 2.2K 1/6W J			
OB01887A		RK 5.6K 1/4W J			
OB01683A		RK 15K 1/4W J			
OB09689A		RK 3.3K 1/6W J			
OB41286A		CMM 0.01 $\mu$ 50V J (SR-2E (Germany))			
OB40409A		CE 6800 $\mu$ 63V			
OB40095A		CE 1000 $\mu$ 25V			
OB40079A		CE 220 $\mu$ 16V			
OB41298A		CMM 0.1 $\mu$ 50V J (9)			
OB01412A		CE 10 $\mu$ 16V			
OB40082A		CE 1000 $\mu$ 16V			
OB40078A		CE 100 $\mu$ 16V			
OB40094A		CE 470 $\mu$ 25V			
OB40123A		CE 470 $\mu$ 50V			
OB40104A		CE 100 $\mu$ 35V			
OB40100A		CE 10 $\mu$ 35V			
OB40099A		CE 4.7 $\mu$ 35V			
OB08574A		Fuse 4A (SR-2 (Canada & Other) & SR-2A)			
OB08625A		Fuse T2.5A 250V (SR-2 (Australia) & SR-2E (Europe & Germany))			
OB08374A		Fuse 1A (SR-2 (Canada & Other) & SR-2A)			
OB08263U		Fuse T315mA 250V (SR-2 (Australia) & SR-2E (Europe & Germany))			
OB08347U		Fuse T1A 250V (SR-2 (Australia) & SR-2E (Europe & Germany))			
OB81635A		3P-T Post			
OB81636A		4P-T Post			

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

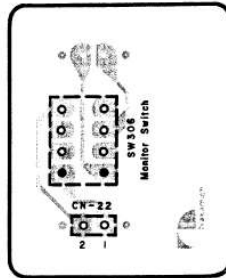


Fig. 5.10

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

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

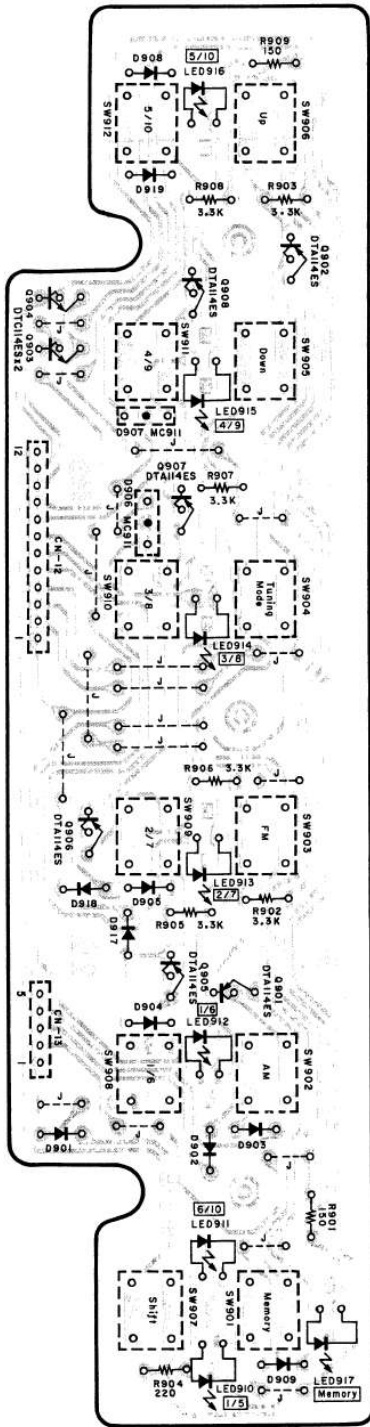


Fig. 5.11.1 2nd Version

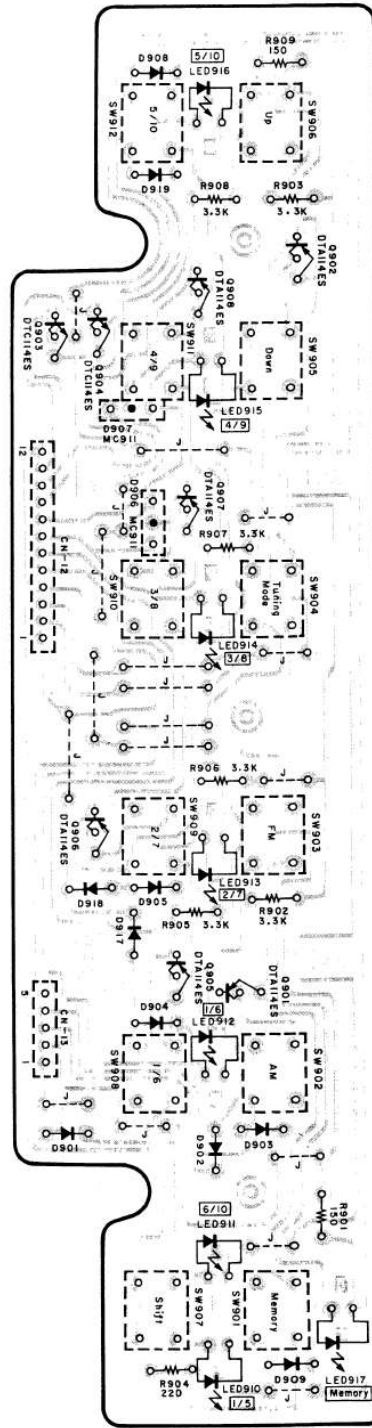


Fig. 5.11.2 1st Version

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

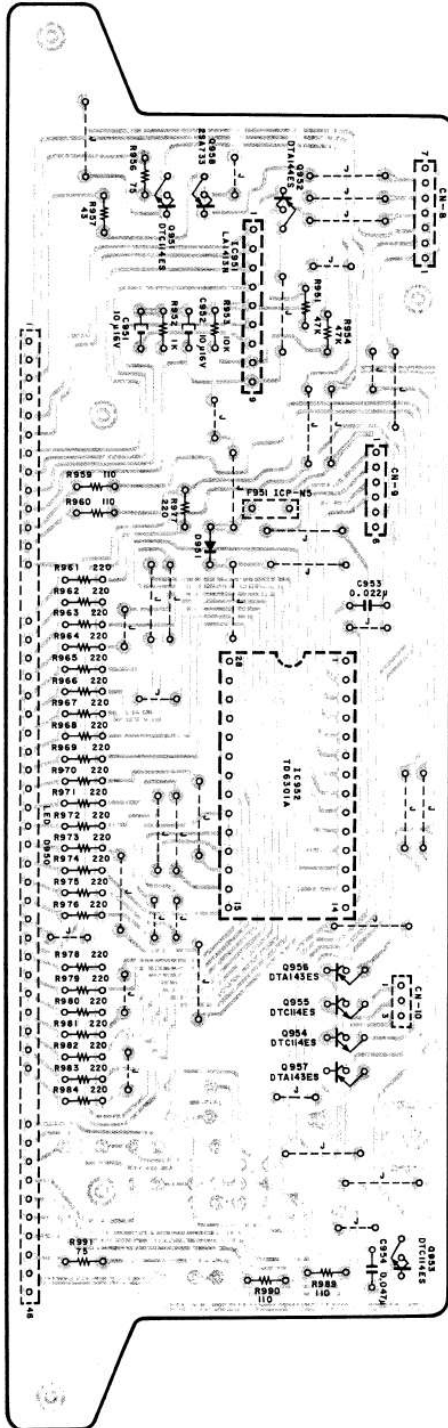


Fig. 5.12.1.1 2nd Version

(2) 1st Version

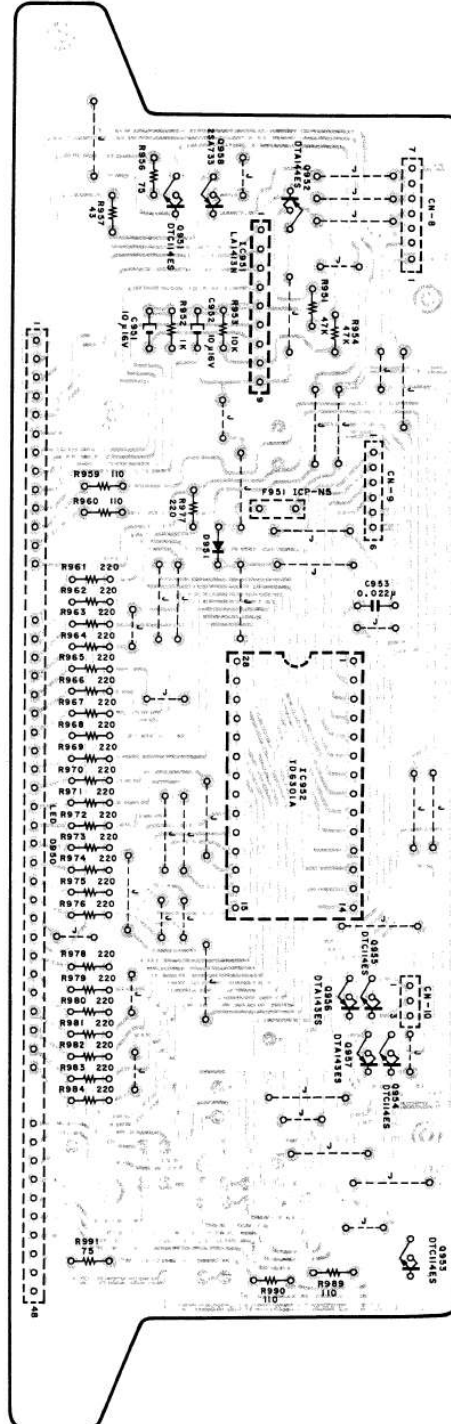


Fig. 5.12.1.2 1st Version

Schematic Ref. No.	Part No.	Description
	BA06240A	Display P.C.B. Assy (SR-2 (Canada) & SR-2A) 2nd Version
IC951	OB60380D	Display P.C.B.
IC952	OB11244A	IC LA1413N
Q951.953	OB11160A	IC TD6301A
Q951.954	OB10068A	TR DTC114ES
Q952	OB10053A	TR DTA144ES
Q954.957	OB10090A	TR DTA143ES
Q958	OB06013A	TR 25A733 (P,Q)
D900	OB12385A	Display Unit
D901	OB06398A	SID 1S5176
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
R959.960		(24)
R961.984	OB09661A	RK 220 1/6W J
C951.952	OB40009A	CE 10u 16V
C953	OB41554A	CC 0.022u 25V Z
C954	OB41555A	CC 0.047u 25V Z
F951	OB11248A	IC Protector ICP-N5
CN8	OB82796A	TP Connector 280mm
CN9	OB82797A	6P Connector 260mm
CN10	OB82798A	3P Connector 260mm
	OE00846A	HTx8 @ Fan (2)
	BA06240A	Display P.C.B. Assy (SR-2 (Canada) & SR-2A) 1st Version
IC951	OB60380A	Display P.C.B.
IC952	OB11244A	IC LA1413N
Q951.953	OB11160A	IC TD6301A
Q951.954	OB10068A	TR DTC114ES
Q952	OB10053A	TR DTA144ES
Q954.957	OB10090A	TR DTA143ES
Q958	OB06013A	TR 25A733 (P,Q)
D900	OB12385A	Display Unit
D901	OB06398A	SID 1S5176
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
R959.960		(24)
R961.984	OB09661A	RK 220 1/6W J
C951.952	OB40009A	CE 10u 16V
C953	OB41554A	CC 0.022u 25V Z
F951	OB11248A	IC Protector ICP-N5
CN8	OB82796A	TP Connector 280mm
CN9	OB82797A	6P Connector 260mm
CN10	OB82798A	3P Connector 260mm
	OE00846A	HTx8 @ Fan (2)

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

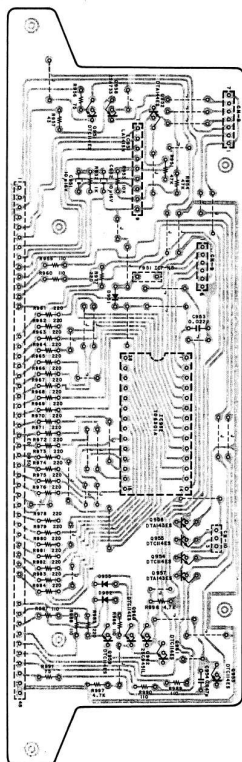


Fig. 5.12.2.1 2nd Version

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

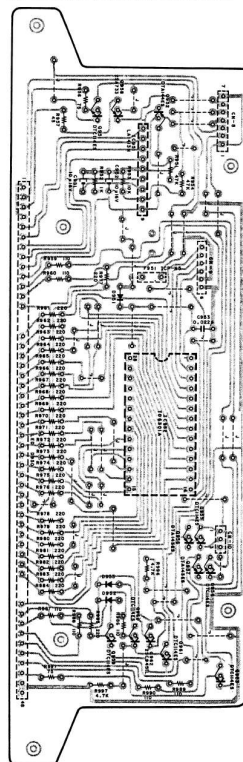


Fig. 5.12.2.2 1st Version

Schematic Ref. No.	Part No.	Description
	BA06241A	Display P.C.B. Assy (SR-2 (Australia & Other): 2nd Version) (SR-2E (Europe & Germany))
IC951	OB60380D	Display P.C.B.
IC952	OB11244A	IC LA1413N
Q951.953	OB11160A	IC TD6301A
Q951.954	OB10068A	TR DTC114ES (7)
Q952	OB10053A	TR DTA144ES
Q954.957	OB10090A	TR DTA143ES
Q958	OB06013A	TR 25A733 (P,Q)
D900	OB12385A	Display Unit
D901	OB06398A	SID 1S5176
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
R959.960		(7)
R961.985	OB09661A	RK 220 1/6W J
R961.985		(25)
R996.997	OB09693A	RK 47K 1/6W J
C951.952	OB40009A	CE 10u 16V
C953	OB41554A	CC 0.022u 25V Z
C954	OB41555A	CC 0.047u 25V Z
F951	OB11248A	IC Protector ICP-N5
CN8	OB82796A	TP Connector 280mm
CN9	OB82797A	6P Connector 260mm
CN10	OB82798A	3P Connector 260mm
	OE00846A	HTx8 @ Fan (2)
	BA06241A	Display P.C.B. Assy (SR-2 (Australia & Other): 1st Version)
IC951	OB60380A	Display P.C.B.
IC952	OB11244A	IC LA1413N
Q951.953	OB11160A	IC TD6301A
Q951.954	OB10068A	TR DTC114ES (7)
Q952	OB10053A	TR DTA144ES
Q954.957	OB10090A	TR DTA143ES
Q958	OB06013A	TR 25A733 (P,Q)
D900	OB12385A	Display Unit
D901	OB06398A	SID 1S5176
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
R959.960		(7)
R961.985	OB09661A	RK 220 1/6W J
R961.985		(25)
R996.997	OB09693A	RK 47K 1/6W J
C951.952	OB40009A	CE 10u 16V
C953	OB41554A	CC 0.022u 25V Z
F951	OB11248A	IC Protector ICP-N5
CN8	OB82796A	TP Connector 280mm
CN9	OB82797A	6P Connector 260mm
CN10	OB82798A	3P Connector 260mm
	OE00846A	HTx8 @ Fan (2)



5.1.3. Main F.C.B. Assy  
5.1.3.1. For SR-2 (Canada) & SR-2A  
(1) 2nd Version

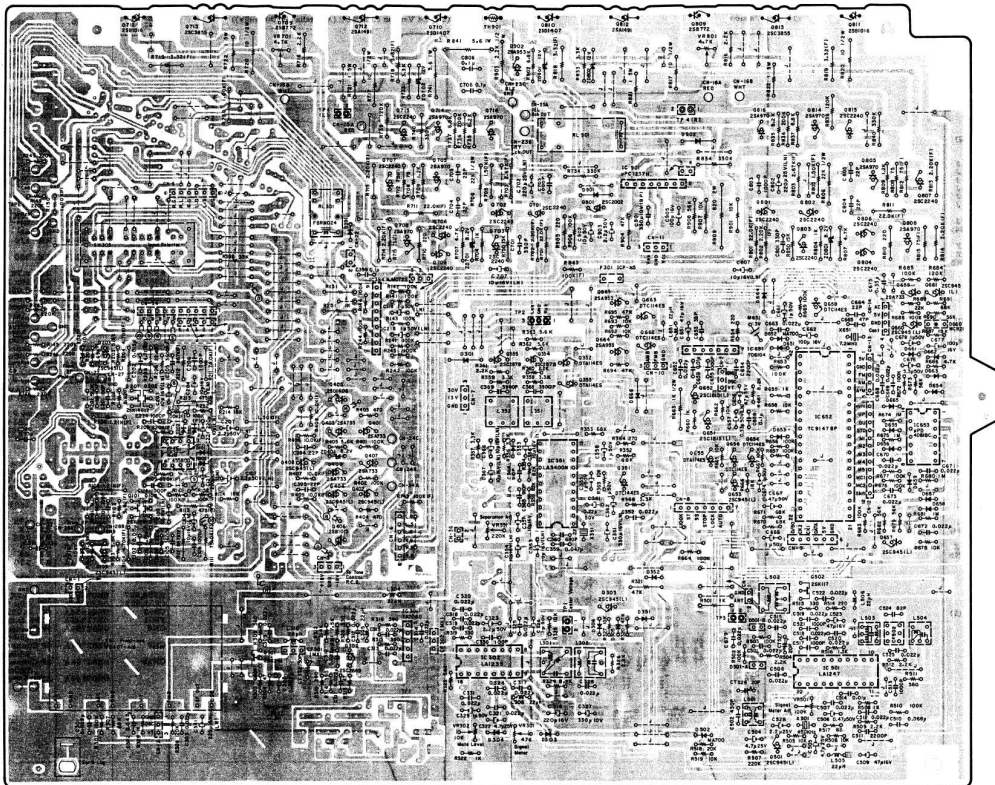


Fig. 5.1.3.1.1 2nd Version (For SR-2 (Canada) & SR-2A)



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	
BA08234A	Main P.C.B. Assy (R2-C (Canada) & SR-2A) 2nd Version	R111	OB09071A	RK 560 1/6W J	R553,656	OB09725A	RK 100K 1/6W J	CN84	OB28262A	IOP Connector	-Power Amp.-	BA06355A	Eq. Sub P.C.B. Assy		
		R114	OB09661A	RK 220 1/6W J	687,664				BA06355A	Eq. Sub P.C.B. Assy					
		R115	OB09661A	RK 330 1/6W J	687,665										
		R116	OB09661A	RK 1.5K 1/6W J	672,676										
		R117	OB09661A	RK 5K 1/6W J	677,683										
		R118	OB09708A	RK 20K 1/6W J	685,688										
		CP502	OB41071A	Crescote Filter	R654										
IC3001	OB11156A	IC T47050AP													
IC3002	OB11157A	IC LA1228	CT526,527	OB42005A	CF 250K 20P	R555,660	OB09671A	RK 1K 1/6W J	Q401,403	OB06013A	TR 2S473 (P,Q)	Q701,704	OB06142A	TR 2SC2240 (BL) (12)	
Q301	OB10127A	FTT 2SC241 (GR)	C501,506	OB41554A	CC 0.022u 25V	R556,678			Q402,404	OB08187A	TR 2SC945L (P,Q)	Q705,707	Q106,206	OB60394B	Eq. Sub P.C.B.
Q302	OB10128A	TR 2SC245 (G,Y)	507,512			R557,682			Q405	OB06422A	TR 2SD1406 (V)	Q707,801	Q301	OB60394B	TR 2SC2378
Q303	OB08187A	TR 2SC945L (P,Q)	515,518			R558,687			Q406	OB06422A	TR 2SD1406 (V)	Q707,801	Q302	OB60394B	TR 2SC2378
Q304	OB09389A	SD 1S8176 (4)	519,522			R559,691			Q407	OB06422A	TR 2SD1406 (V)	Q707,801	Q303	OB60394B	TR 2SC2378
L301	OB12404A	FM Det. Coil A	522,525			R560,692			Q408	OB06422A	TR 2SD1406 (V)	Q707,801	Q304	OB60394B	TR 2SC2378
L302	OB12411A	FM Det. Coil B	522,525			R561,693			Q409	OB06422A	TR 2SD1406 (V)	Q707,801	Q305	OB60394B	TR 2SC2378
L304,305	OB12389A	Micro Coil 22uH	504,505			R562,694			Q410	OB06422A	TR 2SD1406 (V)	Q707,801	L301	OB09725A	RK 100K 1/6W J
L306,310						R563,695			Q411	OB06422A	TR 2SD1406 (V)	Q707,801	L302	OB09725A	RK 100K 1/6W J
VR301	OB09284A	Semi VR 47K	C509,523			R564,696			Q412	OB06422A	TR 2SD1406 (V)	Q707,801	L303	OB09725A	RK 100K 1/6W J
VR302	OB09284A	Semi VR 10K	C510			R565,697			Q413	OB06422A	TR 2SD1406 (V)	Q707,801	L304	OB09725A	RK 100K 1/6W J
R301	OB09725A	RK 100K 1/6W J	C511,517	OB09288A	CC 2200P 50V K	R566,698			Q414	OB06422A	TR 2SD1406 (V)	Q707,801	L305	OB09725A	RK 100K 1/6W J
R302	OB09725A	RK 100K 1/6W J	C511,517	OB09288A	CC 2200P 50V K	R567,699			Q415	OB06422A	TR 2SD1406 (V)	Q707,801	L306	OB09725A	RK 100K 1/6W J
R303	OB09725A	RK 100K 1/6W J	C511,517	OB09288A	CC 2200P 50V K	R568,700			Q416	OB06422A	TR 2SD1406 (V)	Q707,801	L307	OB09725A	RK 100K 1/6W J
R304,313	OB09725A	RK 100K 1/6W J	C511,517	OB09288A	CC 2200P 50V K	R569,701			Q417	OB06422A	TR 2SD1406 (V)	Q707,801	L308	OB09725A	RK 100K 1/6W J
R305	OB09725A	RK 100K 1/6W J	C511,517	OB09288A	CC 2200P 50V K	R570,702			Q418	OB06422A	TR 2SD1406 (V)	Q707,801	L309	OB09725A	RK 100K 1/6W J
R306	OB09725A	RK 100K 1/6W J	C511,517	OB09288A	CC 2200P 50V K	R571,703			Q419	OB06422A	TR 2SD1406 (V)	Q707,801	L310	OB09725A	RK 100K 1/6W J
R307	OB09725A	RK 100K 1/6W J	C511,517	OB09288A	CC 2200P 50V K	R572,704			Q420	OB06422A	TR 2SD1406 (V)	Q707,801	L311	OB09725A	RK 100K 1/6W J
R308	OB09725A	RK 100K 1/6W J	C511,517	OB09288A	CC 2200P 50V K	R573,705			Q421	OB06422A	TR 2SD1406 (V)	Q707,801	L312	OB09725A	RK 100K 1/6W J
R310,314	OB09667A	RK 390 1/6W J	X501			R574,706			Q422	OB06422A	TR 2SD1406 (V)	Q707,801	L313	OB09725A	RK 100K 1/6W J
R311	OB09668A	RK 7.5K 1/6W J	CN1	OB82791A	2P Connector	R575,707			Q423	OB06422A	TR 2SD1406 (V)	Q707,801	L314	OB09725A	RK 100K 1/6W J
R312	OB09668A	RK 2.4K 1/6W J	TP3			R576,708			Q424	OB06422A	TR 2SD1406 (V)	Q707,801	L315	OB09725A	RK 100K 1/6W J
R313,328	OB09668A	RK 330 1/6W J				R577,709			Q425	OB06422A	TR 2SD1406 (V)	Q707,801	L316	OB09725A	RK 100K 1/6W J
R320	OB09668A	RK 47K 1/6W J				R578,710			Q426	OB06422A	TR 2SD1406 (V)	Q707,801	L317	OB09725A	RK 100K 1/6W J
R321	OB09668A	RK 47K 1/6W J				R579,711			Q427	OB06422A	TR 2SD1406 (V)	Q707,801	L318	OB09725A	RK 100K 1/6W J
R322,329	OB09668A	RK 1K 1/6W J				R580,712			Q428	OB06422A	TR 2SD1406 (V)	Q707,801	L319	OB09725A	RK 100K 1/6W J
R323	OB09668A	RK 10K 1/6W J				R581,713			Q429	OB06422A	TR 2SD1406 (V)	Q707,801	L320	OB09725A	RK 100K 1/6W J
R324	OB09668A	RK 10K 1/6W J				R582,714			Q430	OB06422A	TR 2SD1406 (V)	Q707,801	L321	OB09725A	RK 100K 1/6W J
R325,327	OB09668A	RK 10K 1/6W J				R583,715			Q431	OB06422A	TR 2SD1406 (V)	Q707,801	L322	OB09725A	RK 100K 1/6W J
R326	OB09668A	RK 2.2K 1/6W J				R584,716			Q432	OB06422A	TR 2SD1406 (V)	Q707,801	L323	OB09725A	RK 100K 1/6W J
CP301,302	OB41315A	Crescote Filter	D551,355	OB09389A	SD 1S8176	R585,717			Q433	OB06422A	TR 2SD1406 (V)	Q707,801	L324	OB09725A	RK 100K 1/6W J
CP328	OB41614A	SFE10.7MHz 2K-A	553			R586,718			Q434	OB06422A	TR 2SD1406 (V)	Q707,801	L325	OB09725A	RK 100K 1/6W J
CP329	OB41614A	C Transistor 80P	1,551,552			R587,719			Q435	OB06422A	TR 2SD1406 (V)	Q707,801	L326	OB09725A	RK 100K 1/6W J
CP330	OB41614A	CC 0.022u 25V Z	V8,551			R588,720			Q436	OB06422A	TR 2SD1406 (V)	Q707,801	L327	OB09725A	RK 100K 1/6W J
CP331	OB41614A	CC 0.022u 25V Z	V8,551			R589,721			Q437	OB06422A	TR 2SD1406 (V)	Q707,801	L328	OB09725A	RK 100K 1/6W J
CP332	OB41614A	CC 0.022u 25V Z	V8,551			R590,722			Q438	OB06422A	TR 2SD1406 (V)	Q707,801	L329	OB09725A	RK 100K 1/6W J
CP333	OB41614A	CC 0.022u 25V Z	V8,551			R591,723			Q439	OB06422A	TR 2SD1406 (V)	Q707,801	L330	OB09725A	RK 100K 1/6W J
CP334	OB41614A	CC 0.022u 25V Z	V8,551			R592,724			Q440	OB06422A	TR 2SD1406 (V)	Q707,801	L331	OB09725A	RK 100K 1/6W J
CP335	OB41614A	CC 0.022u 25V Z	V8,551			R593,725			Q441	OB06422A	TR 2SD1406 (V)	Q707,801	L332	OB09725A	RK 100K 1/6W J
CP336	OB41614A	CC 0.022u 25V Z	V8,551			R594,726			Q442	OB06422A	TR 2SD1406 (V)	Q707,801	L333	OB09725A	RK 100K 1/6W J
CP337	OB41614A	CC 0.022u 25V Z	V8,551			R595,727			Q443	OB06422A	TR 2SD1406 (V)	Q707,801	L334	OB09725A	RK 100K 1/6W J
CP338	OB41614A	CC 0.022u 25V Z	V8,551			R596,728			Q444	OB06422A	TR 2SD1406 (V)	Q707,801	L335	OB09725A	RK 100K 1/6W J
CP339	OB41614A	CC 0.022u 25V Z	V8,551			R597,729			Q445	OB06422A	TR 2SD1406 (V)	Q707,801	L336	OB09725A	RK 100K 1/6W J
CP340	OB41614A	CC 0.022u 25V Z	V8,551			R598,730			Q446	OB06422A	TR 2SD1406 (V)	Q707,801	L337	OB09725A	RK 100K 1/6W J
CP341	OB41614A	CC 0.022u 25V Z	V8,551			R599,731			Q447	OB06422A	TR 2SD1406 (V)	Q707,801	L338	OB09725A	RK 100K 1/6W J
CP342	OB41614A	CC 0.022u 25V Z	V8,551			R600,732			Q448	OB06422A	TR 2SD1406 (V)	Q707,801	L339	OB09725A	RK 100K 1/6W J
CP343	OB41614A	CC 0.022u 25V Z	V8,551			R601,733			Q449	OB06422A	TR 2SD1406 (V)	Q707,801	L340	OB09725A	RK 100K 1/6W J
CP344	OB41614A	CC 0.022u 25V Z	V8,551			R602,734			Q450	OB06422A	TR 2SD1406 (V)	Q707,801	L341	OB09725A	RK 100K 1/6W J
CP345	OB41614A	CC 0.022u 25V Z	V8,551			R603,735			Q451	OB06422A	TR 2SD1406 (V)	Q707,801	L342	OB09725A	RK 100K 1/6W J
CP346	OB41614A	CC 0.022u 25V Z	V8,551			R604,736			Q452	OB06422A	TR 2SD1406 (V)	Q707,801	L343	OB09725A	RK 100K 1/6W J
CP347	OB41614A	CC 0.022u 25V Z	V8,551			R605,737			Q453	OB06422A	TR 2SD1406 (V)	Q707,801	L344	OB09725A	RK 100K 1/6W J
CP348	OB41614A	CC 0.022u 25V Z	V8,551			R606,738			Q454	OB06422A	TR 2SD1406 (V)	Q707,801	L345	OB09725A	RK 100K 1/6W J
CP349	OB41614A	CC 0.022u 25V Z	V8,551			R607,739			Q455	OB06422A	TR 2SD1406 (V)	Q707,801	L346	OB09725A	RK 100K 1/6W J
CP350	OB41614A	CC 0.022u 25V Z	V8,551			R608,740			Q456	OB06422A	TR 2SD1406 (V)	Q707,801	L347	OB09725A	RK 100K 1/6W J
CP351	OB41614A	CC 0.022u 25V Z	V8,551			R609,741			Q457	OB06422A	TR 2SD1406 (V)	Q707,801	L348	OB09725A	RK 100K 1/6W J
CP352	OB41614A	CC 0.022u 25V Z	V8,551			R610,742			Q458	OB06422A	TR 2SD1406 (V)	Q707,801	L349	OB09725A	RK 100K 1/6W J
CP353	OB41614A	CC 0.022u 25V Z	V8,551			R611,743			Q459	OB06422A	TR 2SD1406 (V)	Q707,801	L350	OB09725A	RK 100K 1/6W J
CP354	OB41614A	CC 0.022u 25V Z	V8,551			R612,744			Q460	OB06422A	TR 2SD1406 (V)	Q707,801	L351	OB09725A	RK 100K 1/6W J
CP355	OB41614A	CC 0.022u 25V Z	V8,551			R613,745			Q461	OB06422A	TR 2SD1406 (V)	Q707,801	L352	OB09725A	RK 100K 1/6W J
CP356	OB41614A	CC 0.022u 25V Z	V8,551			R614,746			Q462	OB06422A	TR 2SD1406 (V)	Q70			

(2) 1st Version

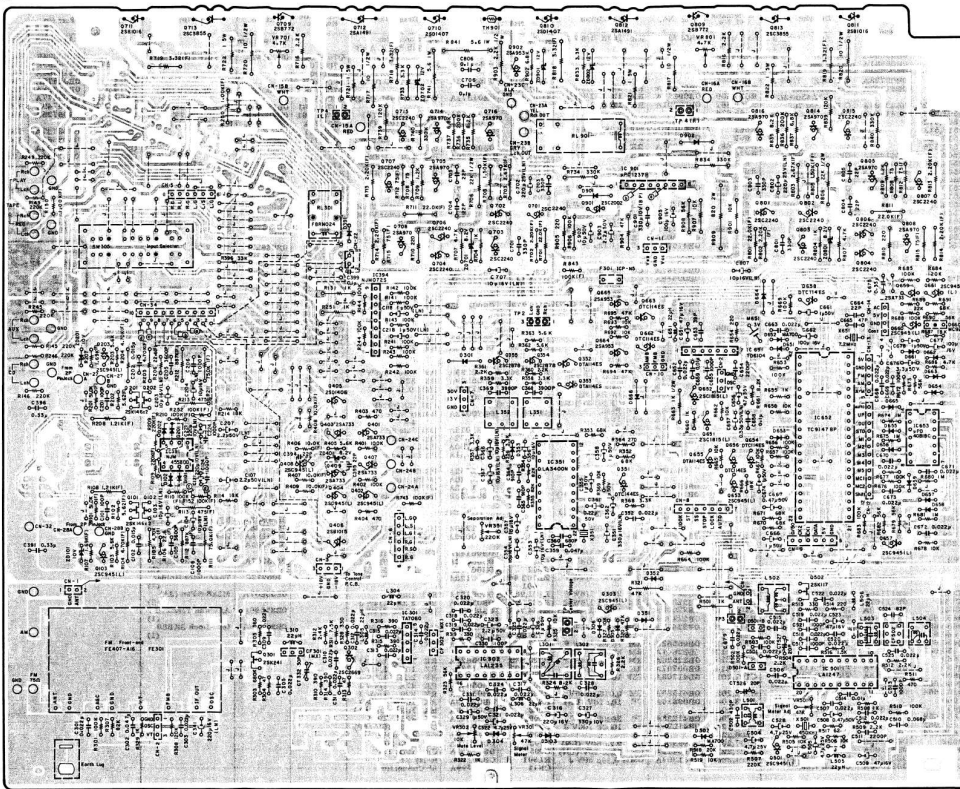
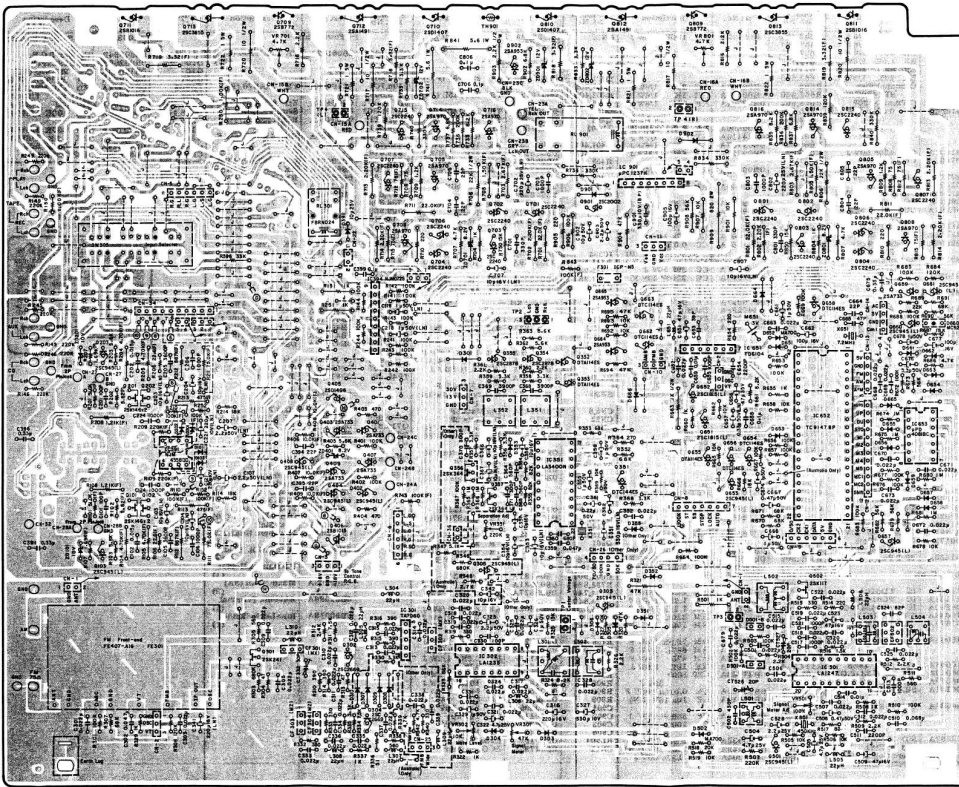


Fig. 5.13.1.2 1st Version (For SR-2 (Canada) & SR-2A)



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



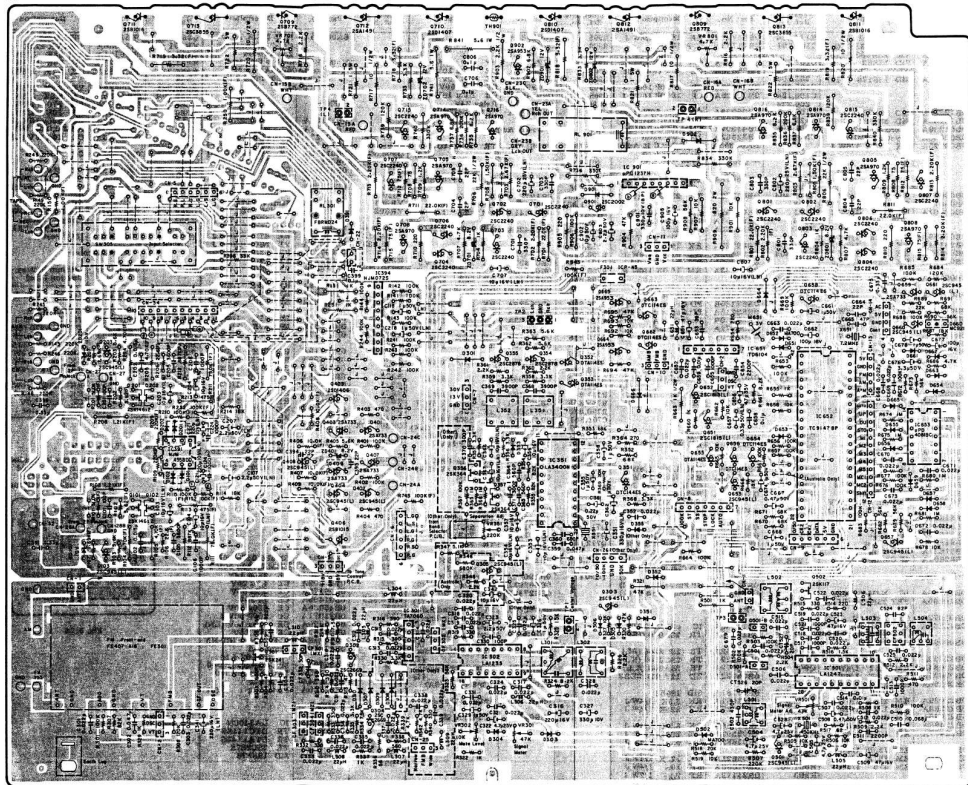
Note: For Australia, D309, D310, and pins 1 and 2 of CN-25 are shorted with jumper wires.

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

Schematic Ref. No.	Part No.	Description
	BA06236A	Main P.C.B. Assy (SR-2 (Other)) 2nd Version
	- FM -	
IC301	OB11156A	IC TA1060AP
IC302	OB11157A	IC LA1235
Q301	OB10177A	7ET 25C241 (SR)
Q302,304	OB10174A	TR 25C249 (O.Y)
Q303	OB01872A	TR 25C245L (P,Q)
D303-306	OB06989A	SID 181174 (4)
D307-310	OB06181A	SID 18555 (4)
L301	OB01240A	FM Det. Coil A
L302	OB1241A	FM Det. Coil B
L304-310	OB1239A	Micro Coil 22mH (7)
VR301	OB32084A	Semi VR 47K
VR302	OB3208A	Semi VR 10K
R301	OB09725A	RK 100K 1/6W J
R302	OB08745A	RK 680K 1/6W J
R304,313	OB09645A	RK 47 1/6W J
R305,338	OB09711A	RK 560 1/6W J
R307	OB09721A	RK 68K 1/6W J
R308	OB09667A	RK 120K 1/6W J
R310,314	OB09667A	RK 390 1/6W J
R311,315	OB09698A	RK 7.5K 1/6W J
R312	OB09665A	RK 2.4K 1/6W J
R313,322	OB09665A	RK 330 1/6W J
R323,343	OB09717A	RK 47K 1/6W J
R324	OB06411A	RK 47K 1/6W J
R325,329	OB09677A	RK 1K 1/6W J
R327	OB09719A	RK 56K 1/6W J
R328	OB09699A	RK 8.2K 1/6W J
R329	OB09705A	RK 15K 1/6W J
R330	OB09659A	RK 2.2K 1/6W J
R331	OB09701A	RK 10K 1/6W J
R332,335	OB09699A	RK 3.3K 1/6W J
R333	OB09646A	RK 51 1/6W J
R334,342	OB09633A	RK 4.7K 1/6W J
CF301,302	OB4118A	Ceramic Filter
CF303,304	OB4174A	SFE10,7MX2K-A Ceramic Filter
CT32	OB41614A	SFE10,7MS3GH15A C-Trimmer 50P
CS01,303	OB41564A	CC 0.022u 25V Z (24)
310,311		
313,314		
315,316		
318,320		
321,324		
325,328		
331		
335-339		
C302	OB41294A	CE 0.047u 50V J
C112,317	OB41290A	CE 0.022u 50V J
C16	OB40079A	CE 22u 16V
C22	OB01402A	CE 4.7u 25V
C23		CE 2.2u 50V
C26,329	OB01405A	CE 1u 50V
C27	OB40068A	CE 390u 10V
C30	OB41071A	CC 100P 50V J
C34	OB40420A	CE 220u 16V (L,N)
F301	OB11248A	IC Protector ICF-NE
FR301	OB91016A	Front-lead FE407-A16
CN2	OB82792A	3P Connector W240
CN7	OB82795A	3P Connector 370
CN25	OB81635A	3P-T Point
TP1	OB81634A	3P-T Point
	OB03855A	Hard Lead (1)
	- AM -	
IC501	OB11248A	IC LA1247
Q501	OB01872A	TR 25C245L (P,Q)
Q502	OB08129A	7ET 25C117 (O)
D501	OB12386A	Variacp EV1226Y
D502	OB12388A	SID MA700
L501	OB12385A	Gas. Coil
L502	OB12386A	Anti. Coil
L504	OB12384A	IFT 2 AM
L505	OB12385A	IFT 1 AM
L506,508	OB12389A	Micro Coil 22mH
VR501	OB32086A	Semi VR 100K
R501	OB01857A	RK 1K 1/4W J



(2) 1st Version



Schematic Ref. No.	Part No.	Description
	BA06286A	Main P.C.B. Assy SR-2 (Other) 1st Version
	- FM -	
IC301	0811156A	IC TA7060AP
IC302	0811157A	IC LA1213
Q301	0810127A	FET 2SK241 (GR)
Q302,304	0810174A	TR 2SC2669 (P,Q)
Q303	0801872A	TR 2SC2455 (P,Q)
D303-306	0806388A	SD 1S1176 (4)
D307-310	0806181A	SD 1S853
L301	081240A	FM Det. Coil A (4)
L302	081241A	FM Det. Coil B
L304-310	081238A	Micro Coil 22uH (7)
VR301	0832084A	Semi VR 47K
VR302	0832084A	Semi VR 100K
R301	0809725A	RK 100K 1/5W J
R303	0809745A	RK 680K 1/5W J
R304,313	0809643A	RK 47 1/5W J
R305,308	0809711A	RK 560 1/5W J
R307	0809723A	RK 82K 1/5W J
R308	0809727A	RK 120K 1/5W J
R310,314	080967A	RK 390 1/5W J
R311,316	080968A	RK 7.5K 1/5W J
R311,334	080968A	RK 2.4K 1/5W J
R312	080965A	RK 330 1/5W J
R313,332	080965A	RK 330 1/5W J
R32,340	0809717A	RK 47K 1/5W J
R321	0809641A	RK 47K 1/4W J
R322,329	0809677A	RK 1K 1/5W J
R323	0809719A	RK 56K 1/5W J
R324	0809699A	RK 8.2K 1/5W J
R325	0809702A	RK 15K 1/5W J
R326	0809685A	RK 2.2K 1/5W J
R327	0809701A	RK 10K 1/5W J
R330,335	0809689A	RK 3.3K 1/5W J
R331	0809674A	RK 96 1/5W J
R335,342	0809683A	RK 4.7K 1/5W J
CF301,302	0841700A	Ceramic Filter
CF303,304	0841076A	SF10.7MX2H-A Ceramic Filter
CT332	0841614A	SF10.7MS3GKY-A 5 Transistor 30P
C301,303	0841504A	CC 0.022u 25V Z (24)
C305,306	310,311	
C307,308	310,311	
C309,310	310,311	
C311,312	310,311	
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C427	310,311	
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C602	310,311	
C603	310,311	
C604	310,311	
C605	310,311	
C606	310,311	
C607	310,311	
C608	310,311	
C609	310,311	





5.13.3. For SR-2E (Europe)

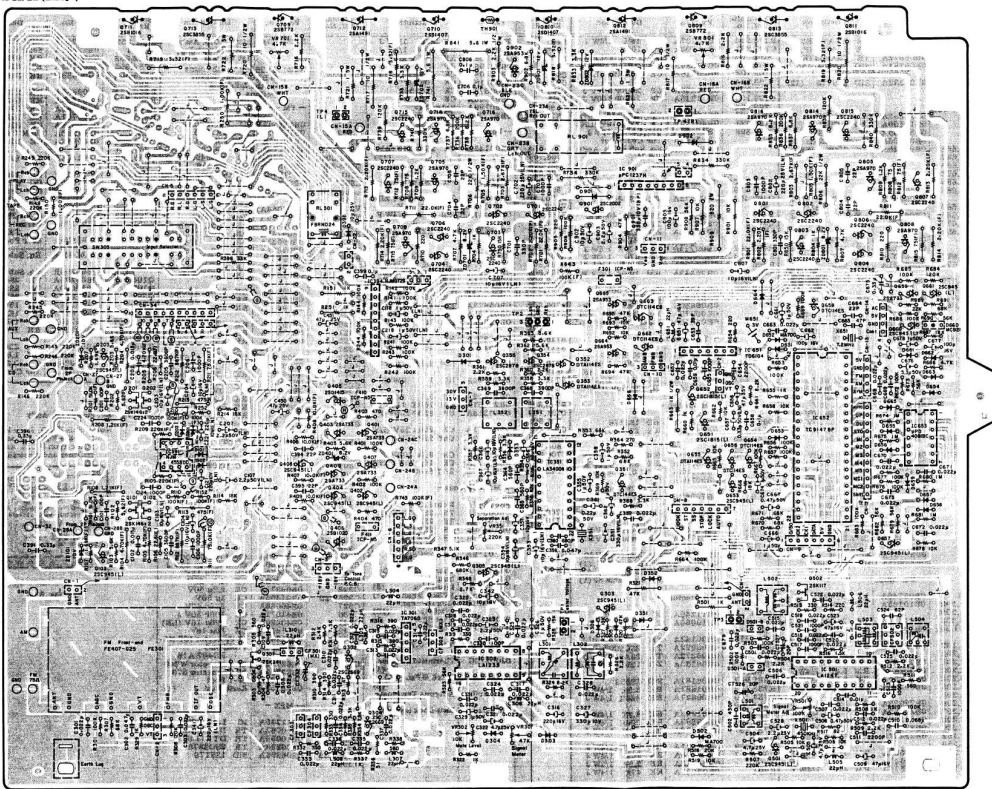


FIG. 5.13.3 For SR-2E (Europe)





5.13.4. For SR-2E (Germany)

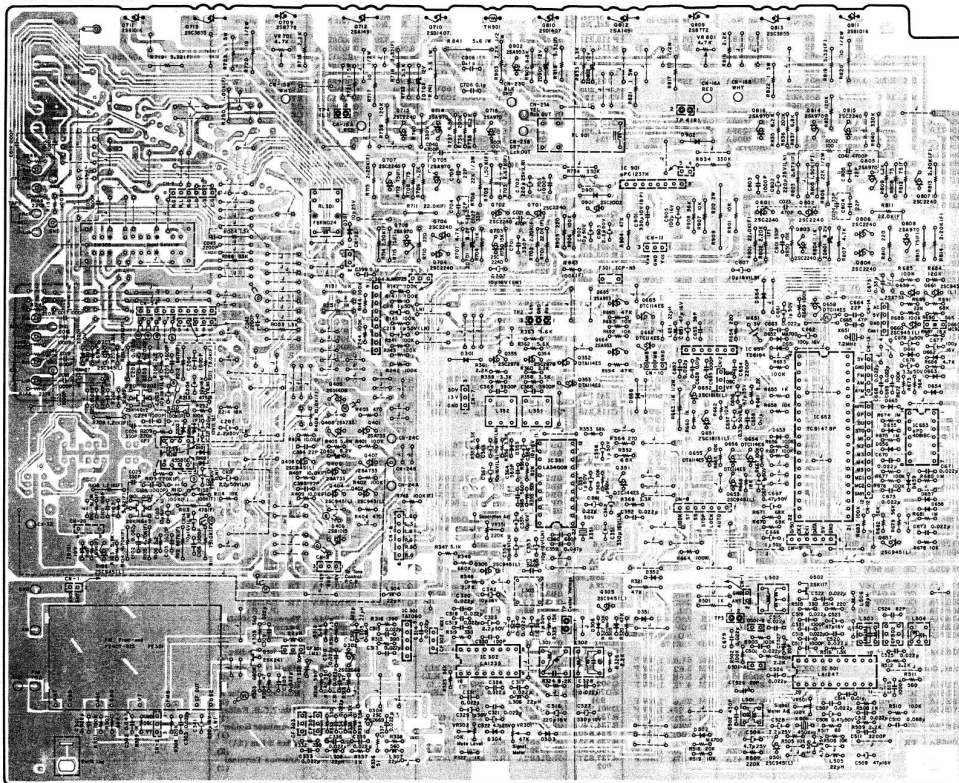


Fig. 5.13.4 For SR-2E (Germany)

Schematic Ref. No.	Part No.	Description
	BA06814A	Main P.C.B. Assy (SR-2E (Germany))
		- FM -
IC301	0811156A	IC TA7060AP
IC302	0811157A	IC LA1235
Q301	0810127A	FT 28C241 (GR)
Q302,304	0810174A	TR 28C249 (O.V)
Q303,305	0810172A	TR 28C249 (P,Q)
D309-306	0806398A	SID 188176 (4)
L301	0811240A	FM Det. Coil A
L302	0811241A	FM Det. Coil B
L303	0811238A	Auxiliary Filter
L304-308	0811239A	Micro Coil 22uH (6)
V10		
VR301	0832084A	Semi VR 47K
VR302	0832080A	Semi VR 10K
R301	0809725A	RK 100K 1/5W J
R303,346	0809745A	RK 680K 1/5W J
R304,313	0809645A	RK 47 1/5W J
R305,338	0809711A	RK 560 1/5W J
R307	0809721A	RK 68K 1/5W J
R308	0809727A	RK 120K 1/5W J
R310,314	0809657A	RK 390 1/5W J
R315,316		
R311,324	0809698A	RK 7.5K 1/5W J
R312	0809686A	RK 2.4K 1/5W J
R313,332	0809665A	RK 330 1/5W J
R335		
R320	0809717A	RK 47K 1/5W J
R321	0809641A	RK 47K 1/4W J
R322,329	0809677A	RK 1K 1/5W J
R37		
R323	0809719A	RK 56K 1/5W J
R324	0809699A	RK 8.2K 1/5W J
R325	0809705A	RK 15K 1/5W J
R326	0809685A	RK 2.2K 1/5W J
R327	0809701A	RK 10K 1/5W J
R335	0809689A	RK 3.3K 1/5W J
R336	0809646A	RK 51 1/5W J
R347	0809694A	RK 5.1K 1/5W J
R348	0809687A	RK 2.7K 1/5W J
CF301,302	0841818A	Ceramic Filter
CF303,304	0841746A	CFE10,7MX2E-A Ceramic Filter
CT32	0841614A	C 75mmner 50P
CR31,303	0841554A	CC 0.022u 25V Z
305,309		
310,311		
313,314		
315,318		
319,320		
321,324		
325,328		
331,333		
334,335		
336,337		
CM2	0841294A	CMM 0.047u 50V J
CM12,317	0841290A	CMM 0.022u 50V J
C14	0840079A	CE 220u 16V
C22	0801402A	CE 4.7u 25V
C23	0809772A	CE 2.2u 50V
C226,329	0801405A	CE 1u 50V
C27	0840066A	CE 330u 10V
C30	0841071A	CE 100P 50V J
C340	0841404A	CF 560P 50V J
C341	0840420A	CE 220u 16V (LN)
C342	0801412A	CE 10u 16V
F301	0811248A	IC Protector ICP-N6
FE301	0810177A	Protector
CN2	08B3052A	3P Connector W240
CN7	08B2795A	3P Connector
TP1	08B1634A	2P-T Post 37mm
	0803055A	Earth Lead (1)
		- AM -
IC501	0811243A	IC LA1247
Q501	0801872A	TR 28C945 (P,Q)
Q502	0801292A	FT 28C117 (Y)
Q501	0812386A	Vazcap KV1238Y
D502	0812383A	SID M4700
L501	0811235A	Ind. Coil
L502	0811236A	Ant. Coil



6. SCHEMATIC DIAGRAMS

6.1. IC Block Diagrams

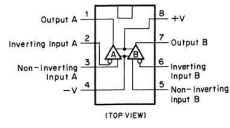


Fig. 6.1.1 Operational Amp. IC 4558DD, 072DE

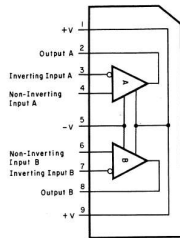


Fig. 6.1.2 Operational Amp. IC 072S

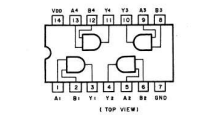


Fig. 6.1.3 AND Gate C-MOS IC μPD4081BC

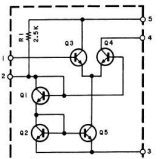


Fig. 6.1.4 FM IF Amp. IC TA7060AP

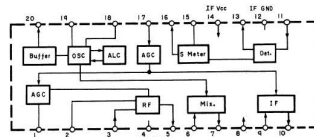


Fig. 6.1.5 AM Tuner IC LA1247

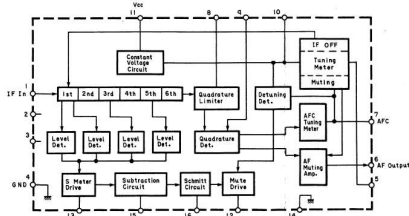


Fig. 6.1.6 FM IF System IC LA1255

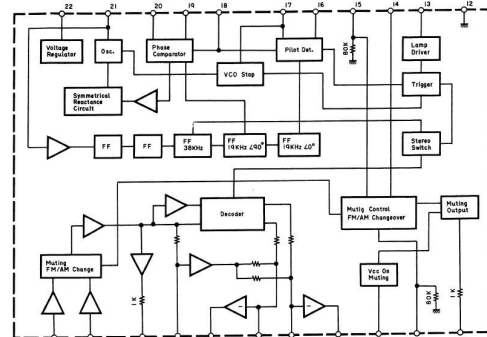


Fig. 6.1.7 FM Stereo Demodulator IC LA3400N

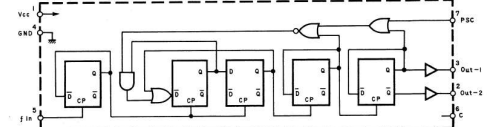


Fig. 6.1.8 ECL Prescaler (FM) IC TD6104

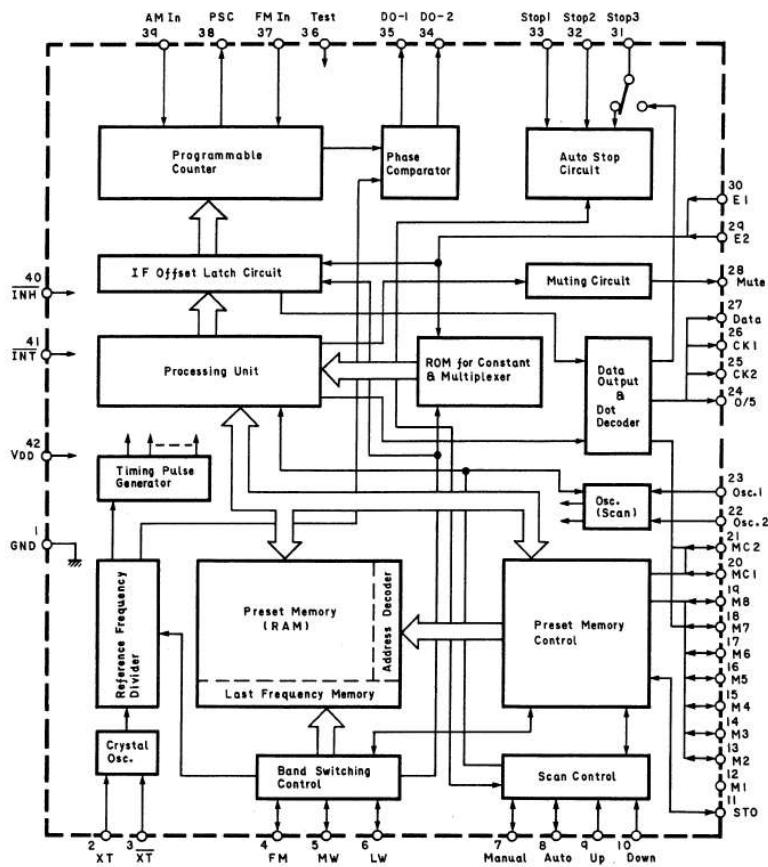


Fig. 6.1.9 FM/MW/LW 3-Band Digital Tuning (Static Method) IC TC9147BP

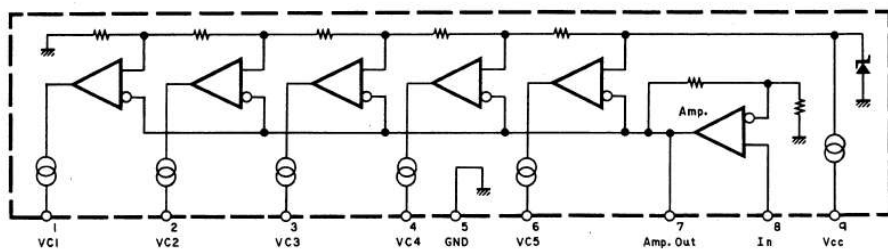


Fig. 6.1.10 Signal Meter Driver IC LB1413N

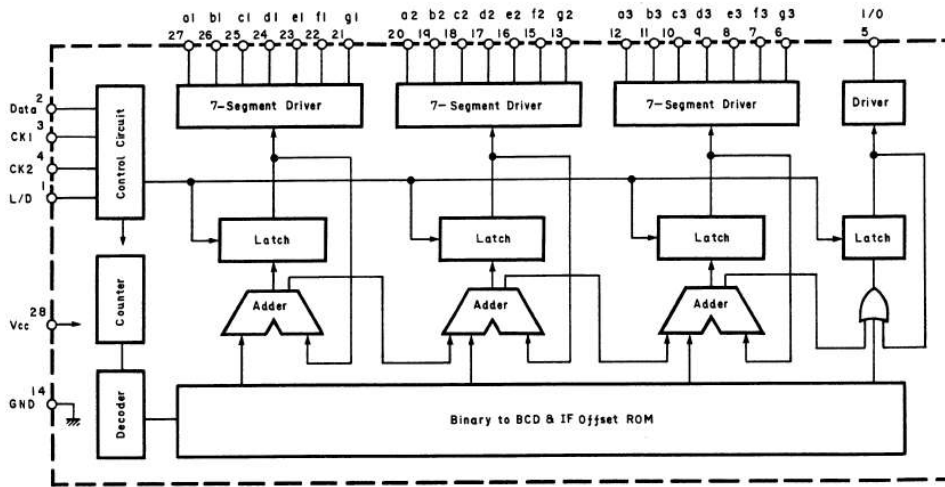


Fig. 6.1.11 Indicator Driver IC TD6301A

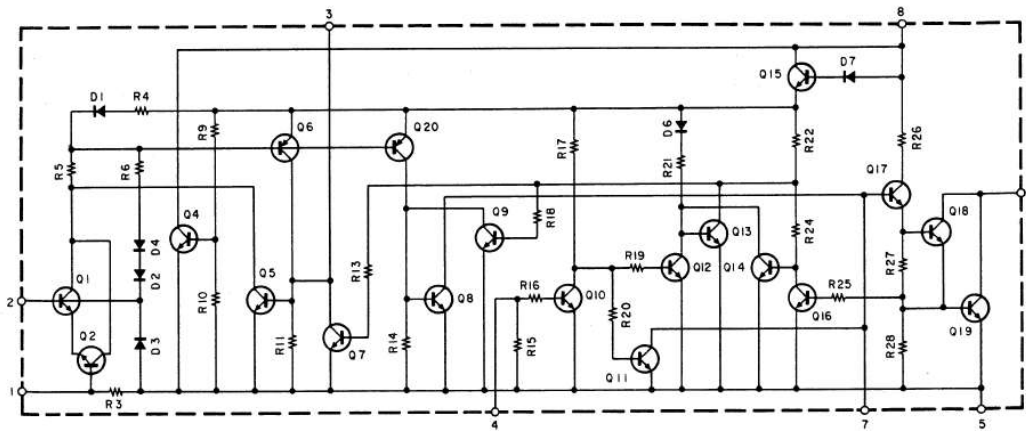


Fig. 6.1.12 Power Amp./Speaker Protector IC μPC1237H

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

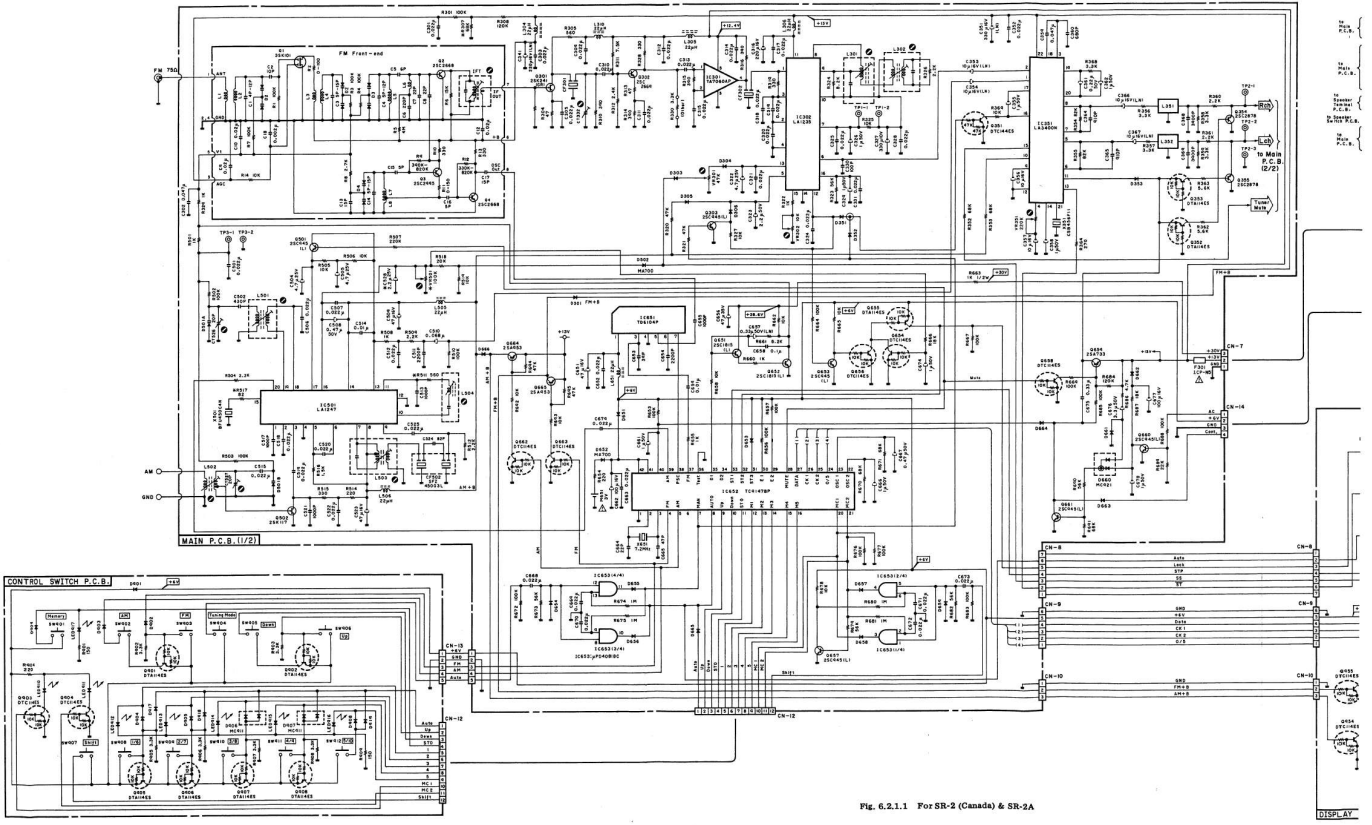


Fig. 6.2.1.1 For SR-2 (Canada) & SR-2A

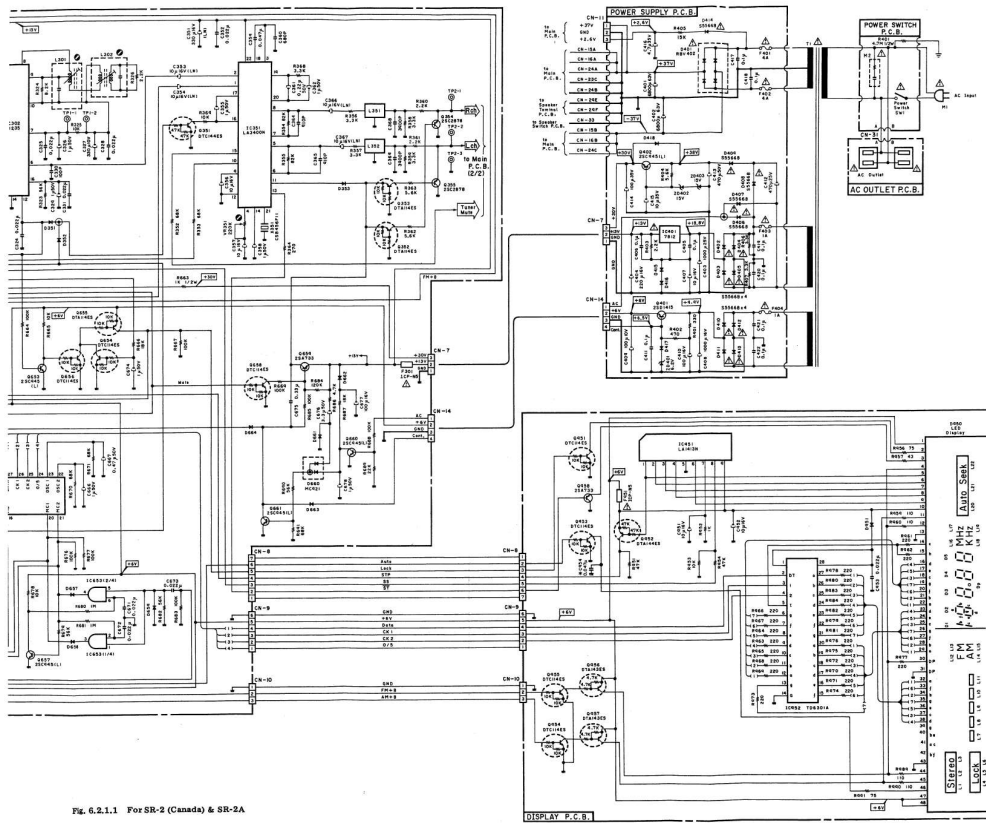


Fig. 6.2.1.1 For SR-2 (Canada) & SR-2A

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

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

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

- Notes:**
1. Diode is 18853, 181555, or 188176 unless otherwise specified.
  2. Resistor and capacitor marked with \* show typical value.
  3. 2SA738, 2SA608SP, 2SA1048 and 2SA1175 are interchangeable with each other.
  4. 2SC945, 2SC936SP, 2SC2458 and 2SC2785 are interchangeable with each other.



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

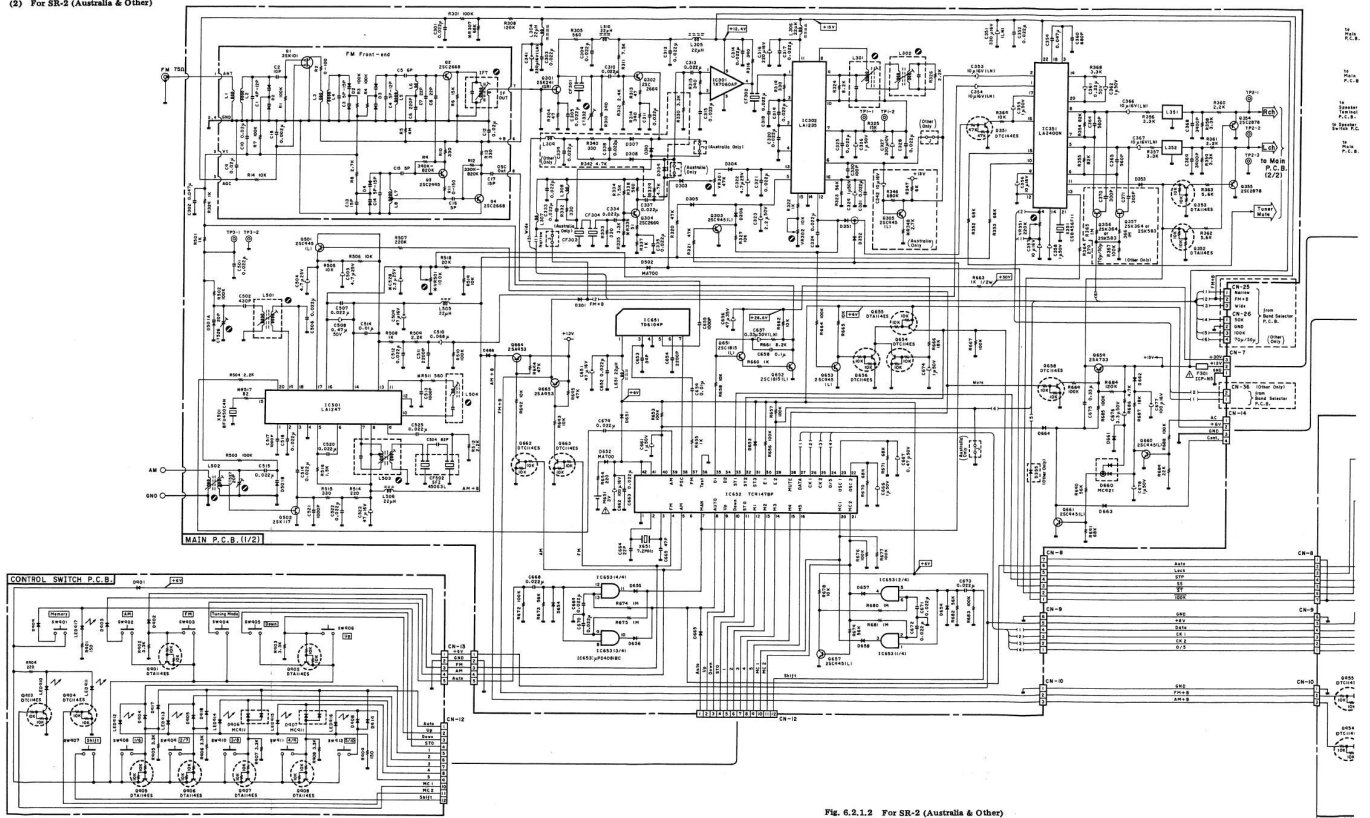


Fig. 6.2.1.2 For SR-2 (Australia & Other)

DISPLAY

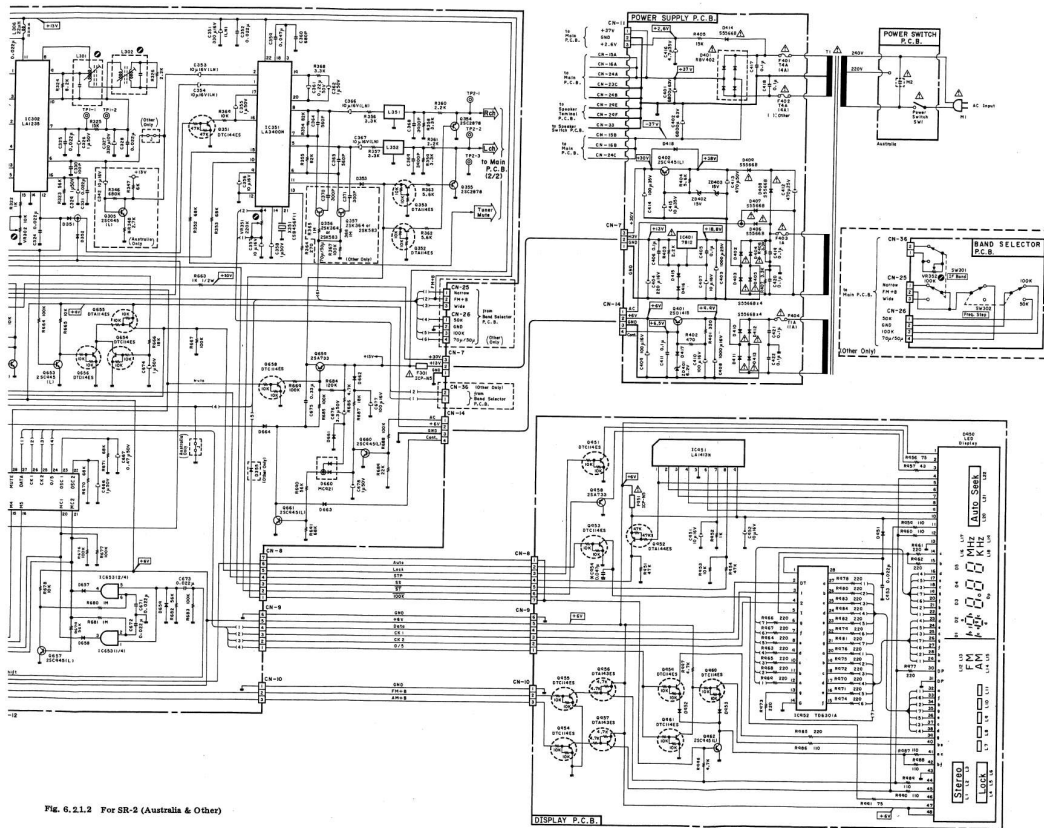


Fig. 6.2.1.2 For SR-2 (Australia & Other)

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

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

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

- Notes:
1. Diode is 1SS53, 1S1555, or 1SS176 unless otherwise specified.
  2. Resistor and capacitor marked with \* show typical value.
  3. 2SA735, 2SA608SP, 2SA1048 and 2SA1175 are interchangeable with each other.
  4. 2SC945, 2SC536SP, 2SC2458 and 2SC2785 are interchangeable with each other.

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

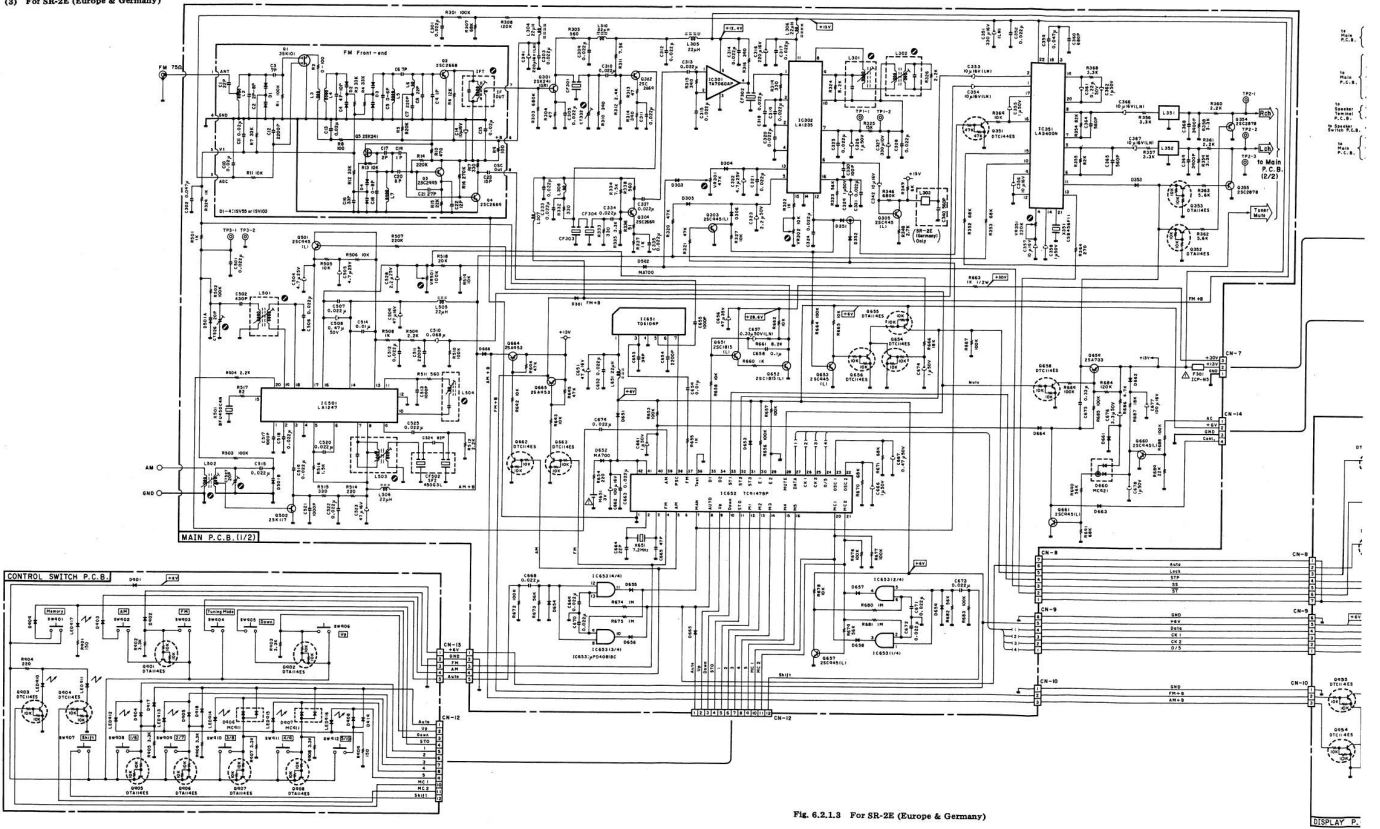


Fig. 6.2.1.3 For SR-2E (Europe & Germany)

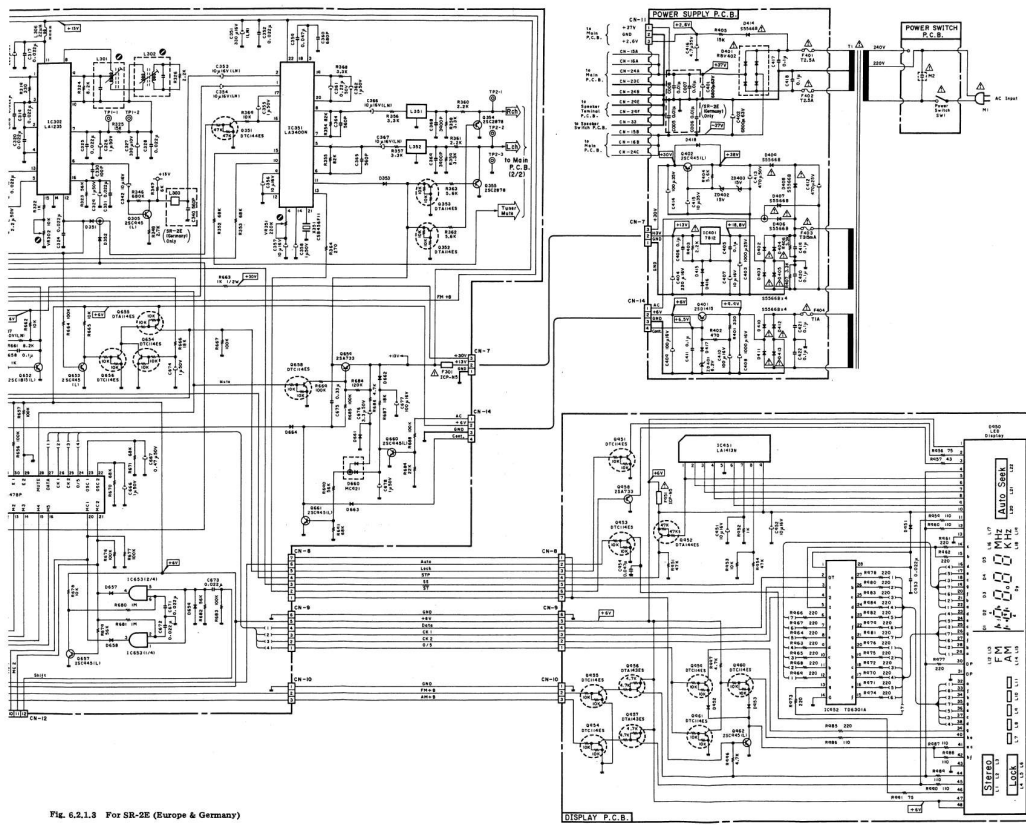



FIG. 6.2.1.3 For SR-2E (Europe & Germany)

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

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

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

- Notes:**
1. Diode is 1SS53, 1S1555, or 1SS176 unless otherwise specified.
  2. 2SA735, 2SA4908SP, 2SA1048 and 2SA1175 are interchangeable with each other.
  3. 2SC945, 2SC536SP, 2SC2458 and 2SC2785 are interchangeable with each other.

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

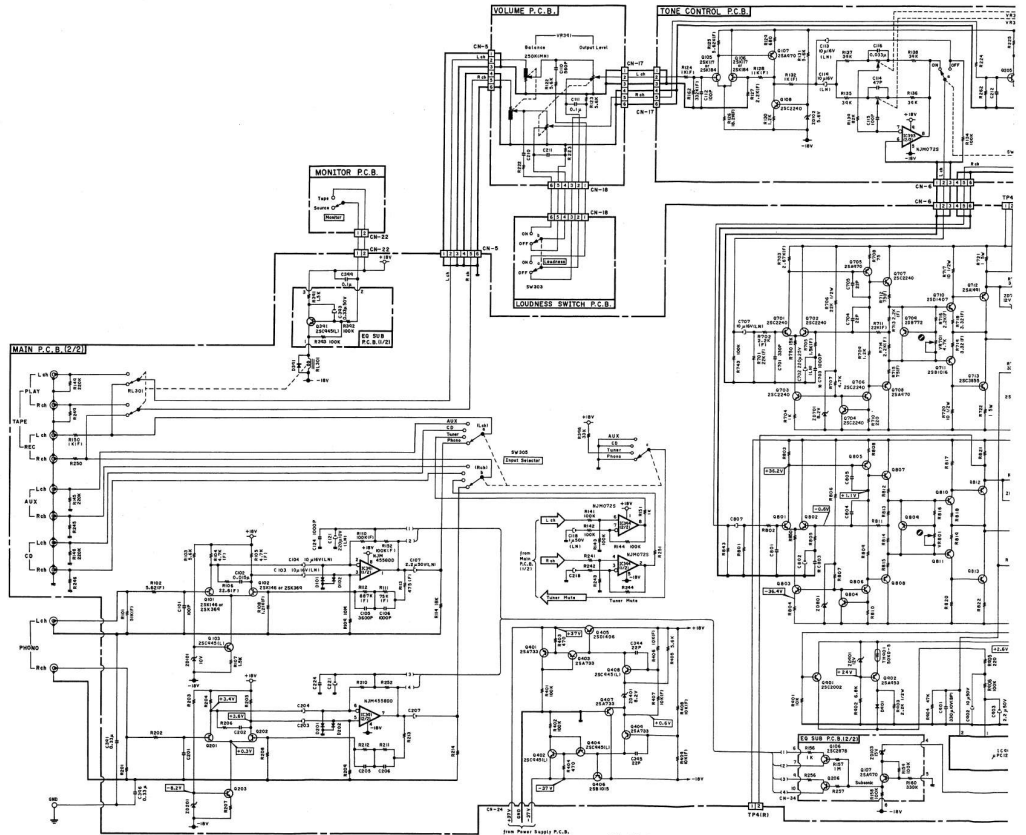


Fig. 6.2.2.1 For SR-2 & SR-2A

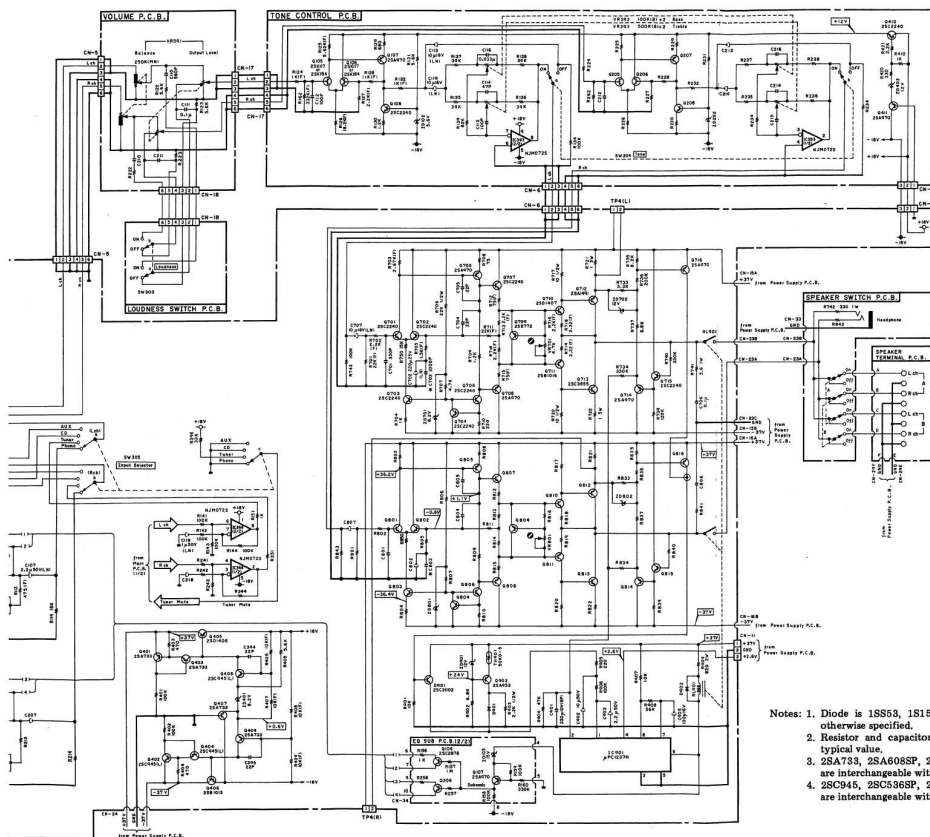
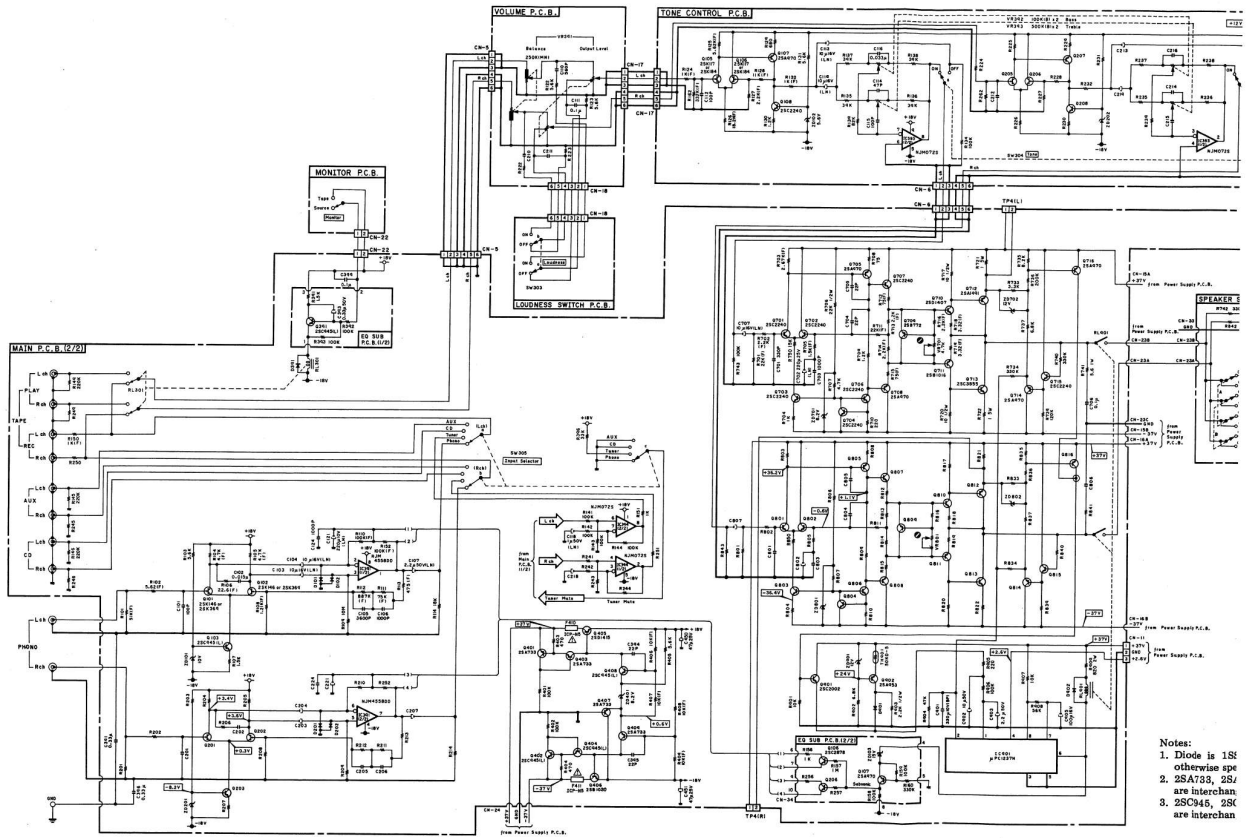


Fig. 6.2.2.1 For SR-2 & SR-2A

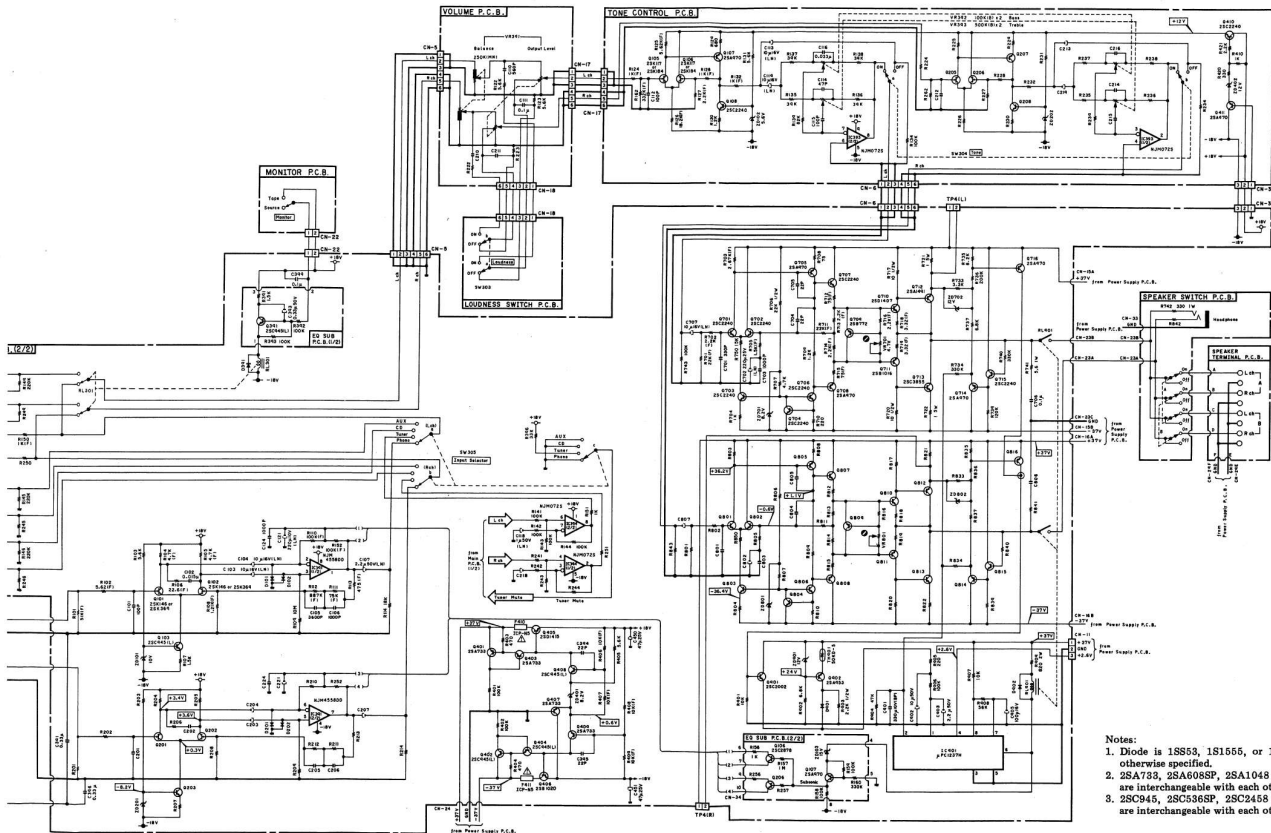
- Notes:
1. Diode is 1S853, 1S1555, or 1S8176 unless otherwise specified.
  2. Resistor and capacitor marked with \* show typical value.
  3. 2SA733, 2SA608SP, 2SA1048 and 2SA1175 are interchangeable with each other.
  4. 2SC945, 2SC586SP, 2SC2458 and 2SC2785 are interchangeable with each other.

(2) For SR-2E (Europe)



- Notes:
1. Diode is 1S1 otherwise sp
  2. 2SA733, 2S2 are interchan
  3. 2SC945, 2SK are interchan

Fig. 6.2.2.2 For SR-2E (Europe)



- Notes:
1. Diode is 1S853, 1S1555, or 1S8176 unless otherwise specified.
  2. 2SA733, 2SA6088P, 2SA1048 and 2SA1175 are interchangeable with each other.
  3. 2SC945, 2SC536SP, 2SC2458 and 2SC2795 are interchangeable with each other.

Fig. 6.2.2.2 For SR-2E (Europe)



(3) For SR-2E (Germany)

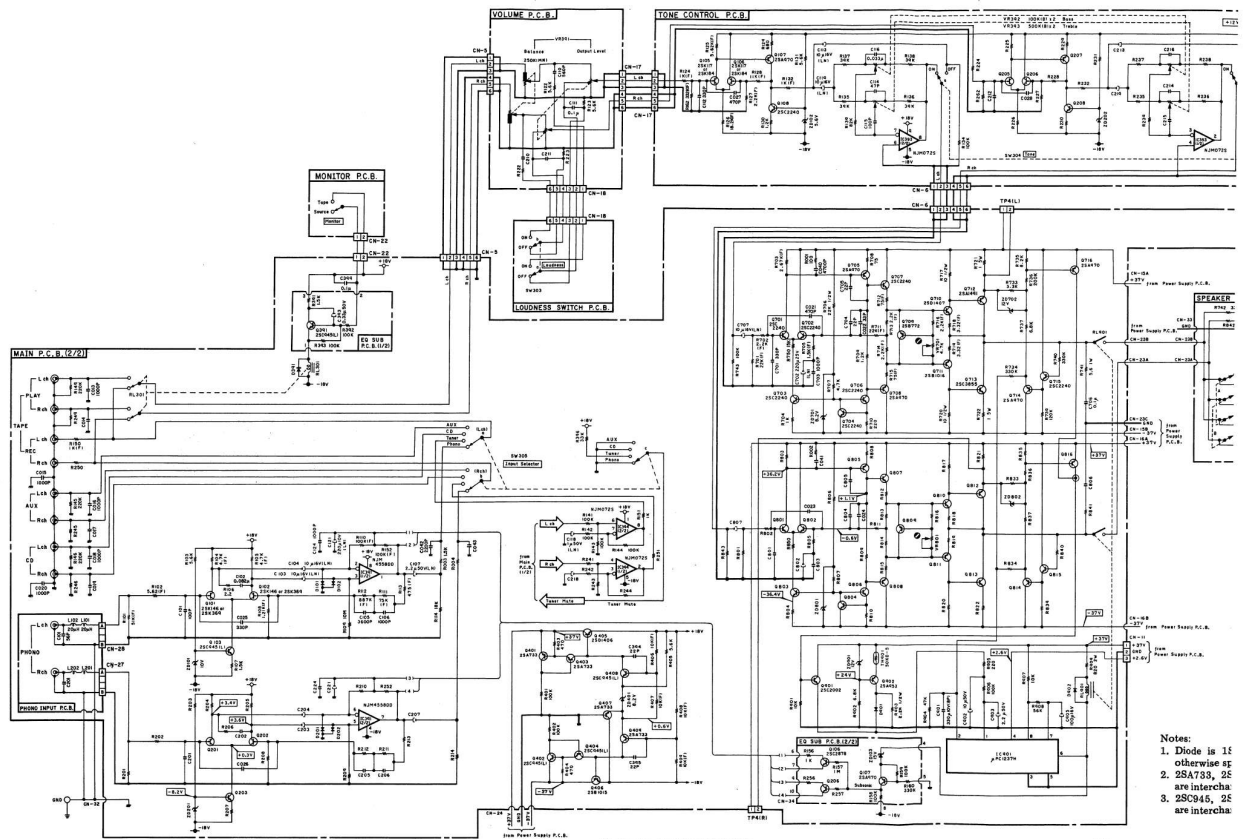
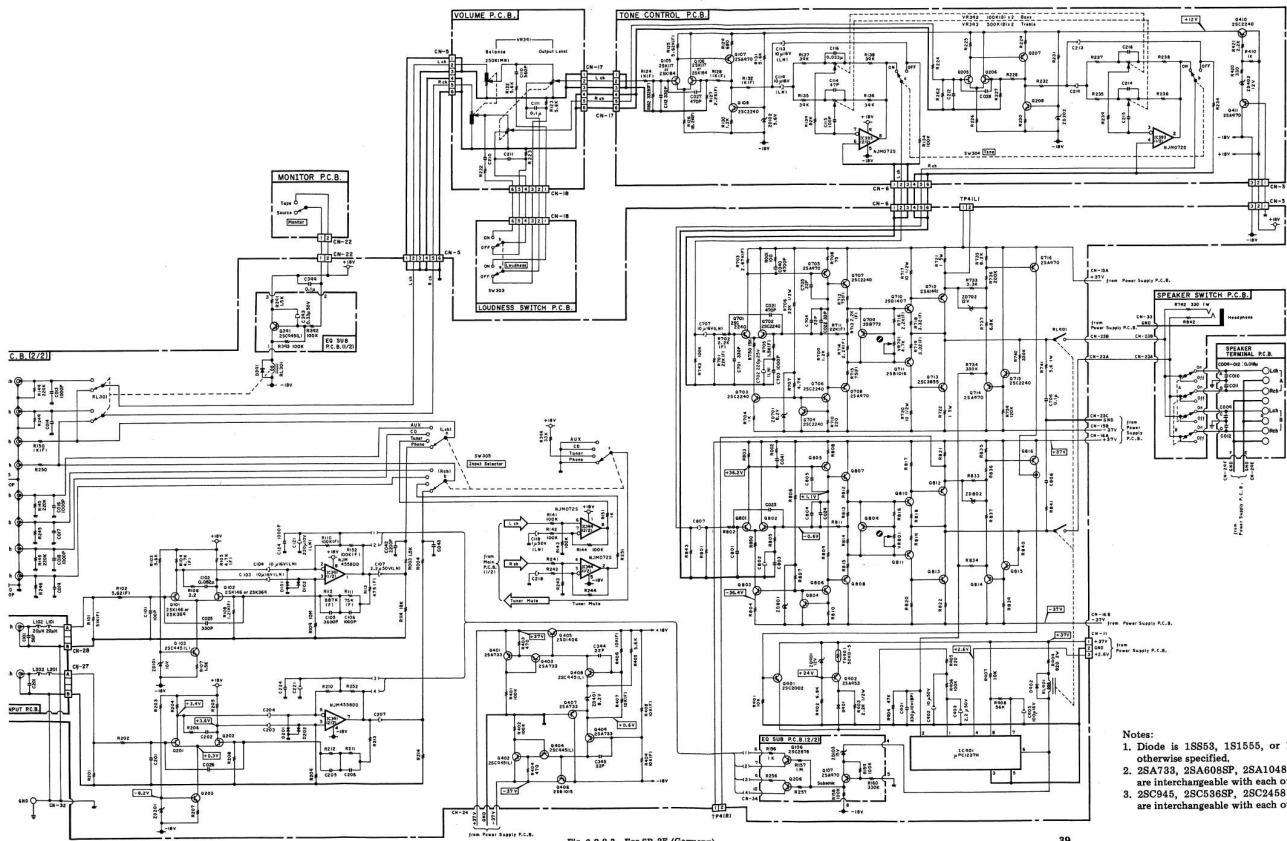


Fig. 6.2.2.3 For SR-2E (Germany)

- Notes:
1. Diode is 1F otherwise is
  2. 2SA733, 2E are intercha
  3. 2SC945, 2E are intercha

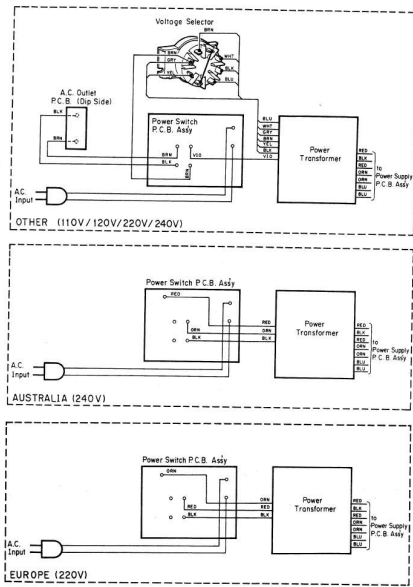


- Notes:
1. Diode is 1S853, 1S1555, or 1S8176 unless otherwise specified.
  2. 2SA733, 2SA608SP, 2SA1048 and 2SA1175 are interchangeable with each other.
  3. 2SC945, 2SC5365P, 2SC2458 and 2SC2785 are interchangeable with each other.

Fig. 6.2.2.3 For SR-2E (Germany)

7. WIRING DIAGRAMS

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



- Notes: 1. Table of wire colors  
 BRN - Brown      BLU - Blue  
 RED - Red        VIO - Violet  
 ORN - Orange    GRY - Grey  
 YEL - Yellow     WHT - White  
 GRN - Green     BLK - Black
2. Component side view of the P.C.B. is illustrated unless otherwise specified.
3. CN-56 on the Main P.C.B. Assy and the Band Selector P.C.B. Assy are not mounted for the former Models.

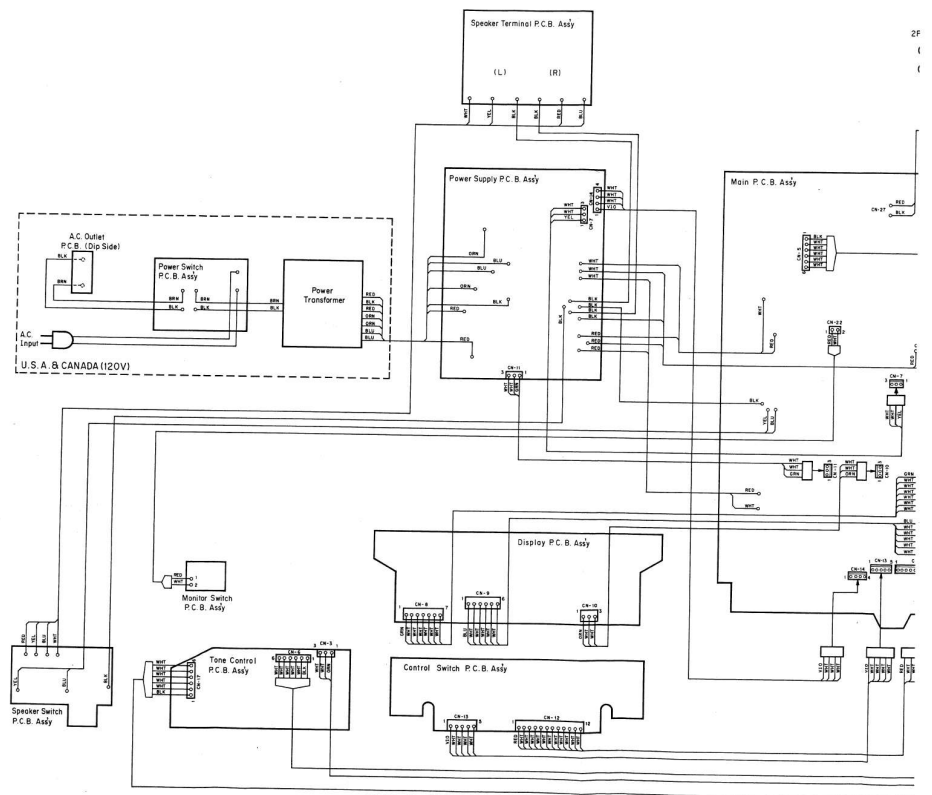
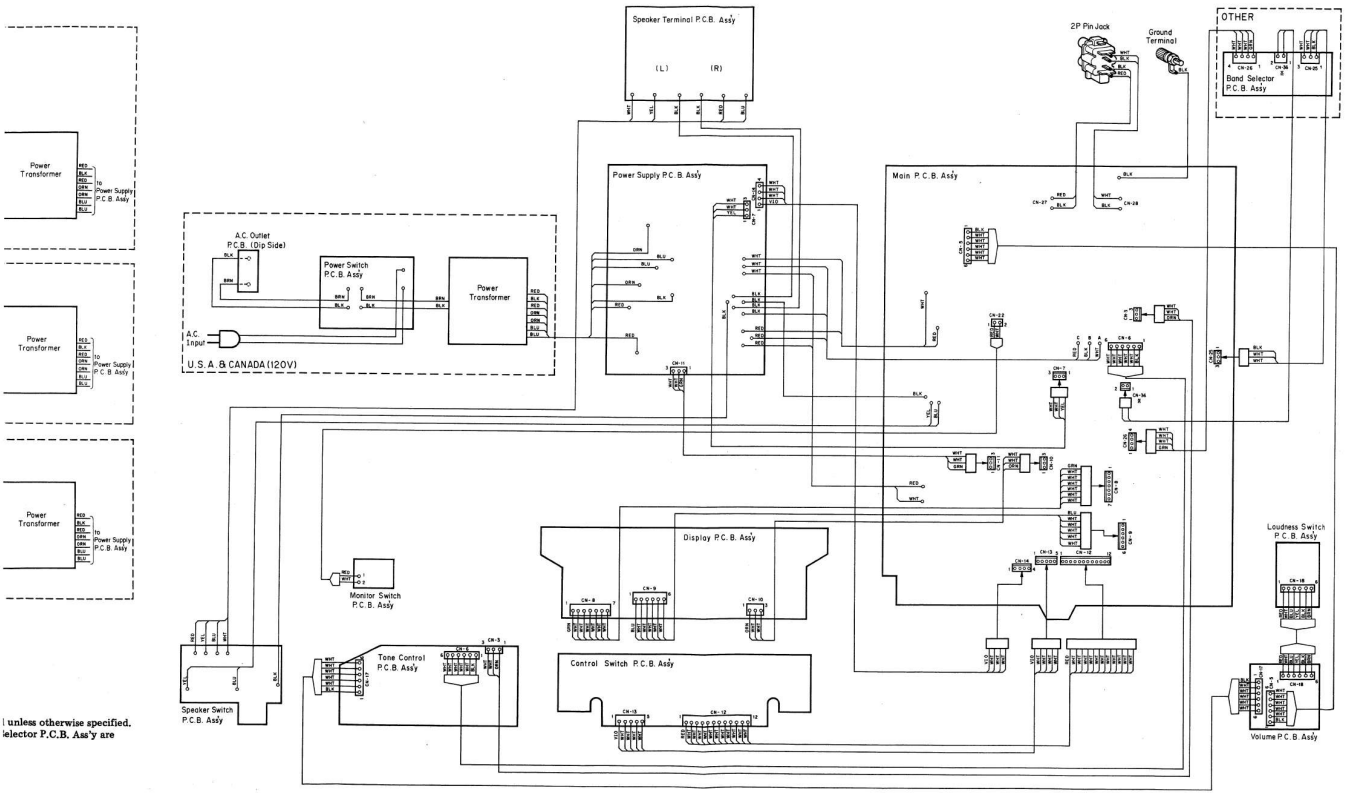


FIG. 7.1 For SR-2, SR-2A & SR-2E (Europe)



Unless otherwise specified, selector P.C.B. Assy's are

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

(2) For SR-2E (Germany)

Notes: 1. Table of wire colors

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

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

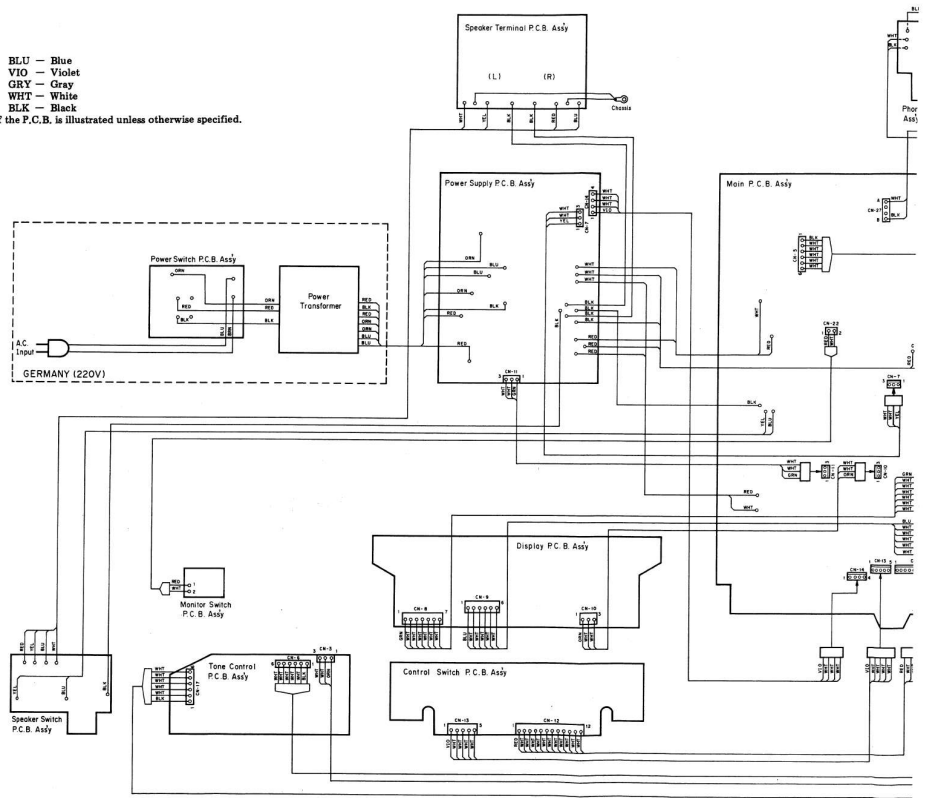


Fig. 7.2 For SR-2E (Germany)

2) For SR-2E (Germany)

Notes: 1. Table of wire colors

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

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

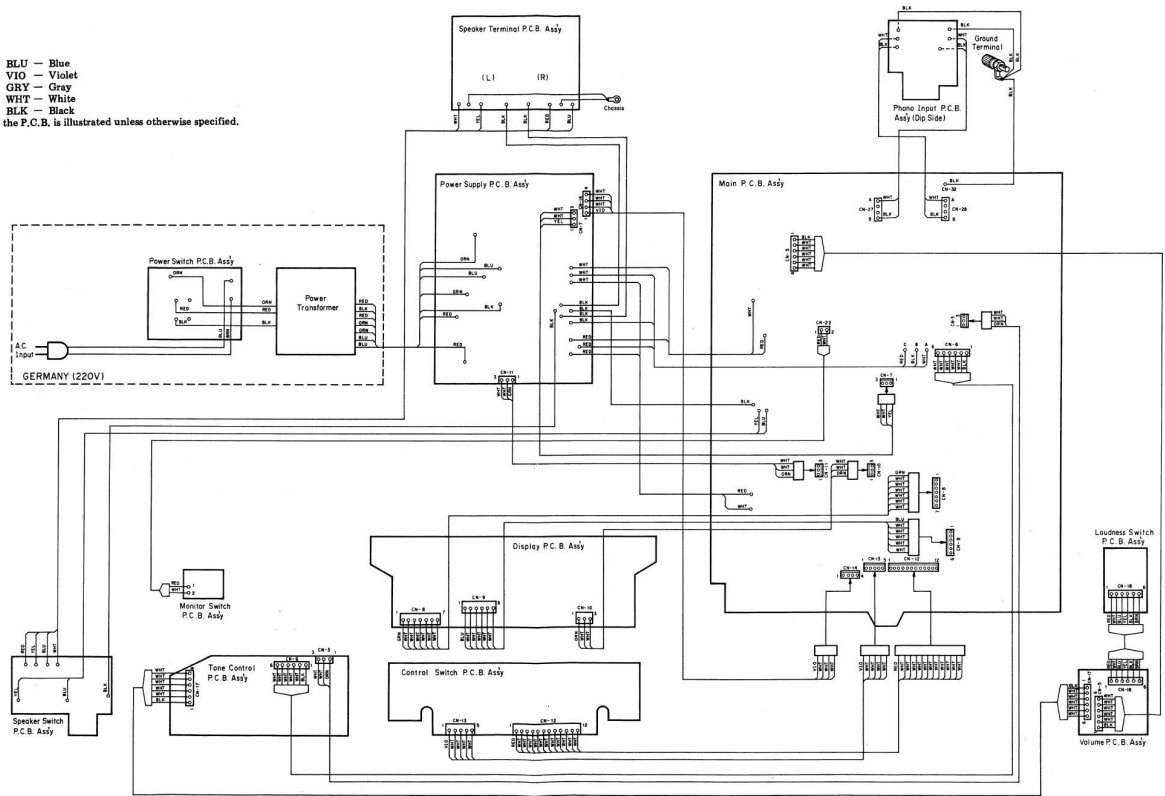


Fig. 1.2 For SR-2E (Germany)

8. BLOCK DIAGRAMS

8.1. Tuner Section

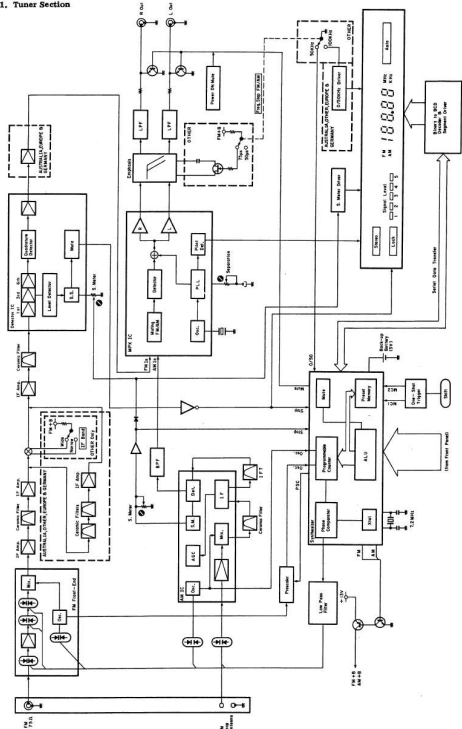


Fig. 8.1

8.2. Amplifier Section

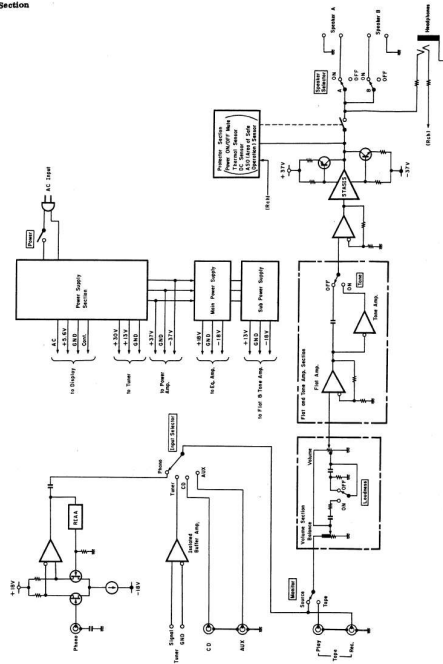


Fig. 8.2

9. SPECIFICATIONS

9.1. For SR-2 & SR-2A

Power Amplifier Section

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

Continuous Average Output	30 watts per channel into 8 ohms, both channels driven, 20-20,000 Hz at no greater than 0.1% THD
Power	45 watts per channel into 8 ohms
Dynamic Output Power	55 watts per channel into 4 ohms
Dynamic Head Room (8 ohms)	1.7 dB
Power Bandwidth	5-40,000 Hz
Frequency Response	20-20,000 Hz; +0, -0.5 dB
Signal to Noise Ratio	5-75,000 Hz; +0, -3 dB
(A-WTD, Input Shorted)	Better than 105 dB re Rated Power
Total Harmonic Distortion	Better than 85 dB (IHF-A-202)
(8 ohms, Rated Power, 20 Hz-20 kHz)	Less than 0.1%
Intermodulation Distortion	Less than 0.15%
(8 ohms, Rated Power, 80 Hz:7 kHz, 4:1)	
Headphone Rated Output	70 mW
(40 ohms)	
Output Current Capability	14A peak per channel

Preamplifier Section

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

Sensitivity: (for rated Output)	
Phono MM	2.5 mV
CD/Tape	200 mV
Sensitivity: (for 1-watt output per IHF-A-202)	
Phono MM	0.46 mV
CD/Tape	36.5 mV
Input Impedance	
Phono MM	47 kohms
CD/Tape	22 kohms
Maximum Input Level (1 kHz)	
Phono MM	140 mV
Record Output Level/Impedance	200 mV/1 kohms
Total Harmonic Distortion (1 kHz, to Rec Out, at 1 V)	
Phono MM	Less than 0.002%
RIAA Deviation	
Phono MM	30-20,000 Hz ±0.5 dB
Signal to Noise Ratio (to speaker output per IHF-A-202)	
Phono MM	Better than 80 dB
Tone Controls	
Bass	20 Hz, ±10 dB
Treble	20 kHz, ±10 dB
Loudness (Volume: -30 dB)	20 Hz, +10 dB; 20 kHz, +6 dB

Tuner Section

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

Note: Selector switch settings for Other Model  
Frequency Step FM/AM: 100 kHz/10 kHz, De-emphasis: 75 µs,  
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 dB/1.9 µV
(Mono)	
50-dB Quieting Sensitivity	
Mono	14.7 dB/3.0 µV
Stereo	37.5 dB/41.1 µV
Signal to Noise Ratio at 65 dB	
Mono	Better than 79 dB
Stereo	Better than 74 dB
Muting Threshold	30 dB/17.3 µV
Frequency Response	20-15,000 Hz ±1 dB
Total Harmonic Distortion (1 kHz)	
Mono	Less than 0.05%
Stereo	Less than 0.07%
Capture Ratio	2.0 dB
Alternate Channel Selectivity	55 dB (±400 kHz)
Stereo Separation at 100 Hz	Better than 46 dB
at 1 kHz	Better than 50 dB
at 10 kHz	Better than 46 dB
Spurious Response Rejection	Better than 90 dB
Image Rejection	Better than 75 dB
IF Rejection	Better than 80 dB
AM Suppression	Better than 60 dB

[AM Section]

Note: Modulation - 400 Hz, 30%

Frequency Range	520-1,710 kHz in 10 kHz steps
Sensitivity	53 dBµ/m
Signal to Noise Ratio at 90 dB	Better than 52 dB
dBµ/m	
Total Harmonic Distortion	Less than 0.3%
at 90 dBµ/m	
Selectivity	Better than 20 dB (±10 kHz)



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

Note: Selector switch settings for Other Model

Frequency Step FM/AM: 50 kHz/9 kHz, De-emphasis: 50  $\mu$ 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  $\mu$ V  
50-dB Quieting Sensitivity  
    Mono . . . . . 21.0 dBf/6.1  $\mu$ V  
    Stereo . . . . . 42.0 dBf/69.0  $\mu$ V  
Signal to Noise Ratio at 65 dBf  
    Mono . . . . . Better than 74 dB  
    Stereo . . . . . Better than 69 dB  
Muting Threshold . . . . . 30 dBf/17.3  $\mu$ 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 $\mu$ /m  
Signal to Noise Ratio at 90 . . . . Better than 52 dB  
dB $\mu$ /m  
Total Harmonic Distortion . . . . Less than 0.3%  
at 90 dB $\mu$ /m  
Selectivity . . . . . Better than 20 dB ( $\pm$ 9 kHz)

General

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

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

### Power Amplifier Section

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

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

### Preamplifier Section

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

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

### Tuner Section

#### [FM Section]

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

Frequency Range	87.50–108.00 MHz in 50 kHz steps
IHF Usable Sensitivity (Mono)	11 dBf/1.9 $\mu$ V
50-dB Quieting Sensitivity	
Mono	23.0 dBf/7.7 $\mu$ V
Stereo	43.0 dBf/77.4 $\mu$ V

Signal to Noise Ratio at 65 dBf  
 Mono . . . . . Better than 72 dB  
 Stereo . . . . . Better than 67 dB  
 Muting Threshold . . . . . 30 dBf/17.3  $\mu$ V  
 Frequency Response . . . . . 20–15,000 Hz  $\pm$ 1 dB  
 Total Harmonic Distortion (1 kHz)  
 Mono . . . . . Less than 0.20%  
 Stereo . . . . . Less than 0.25%  
 Capture Ratio . . . . . 2.0 dB  
 Alternate Channel Selectivity . . . . . 70 dB ( $\pm$ 300 kHz)  
 Stereo Separation at 100 Hz . . . . . Better than 43 dB  
     at 1 kHz . . . . . Better than 43 dB  
     at 10 kHz . . . . . Better than 27 dB  
 Spurious Response Rejection . . . . . Better than 90 dB  
 Image Rejection . . . . . Better than 75 dB  
 IF Rejection . . . . . Better than 80 dB  
 AM Suppression . . . . . Better than 60 dB

[AM Section]

Note: Modulation: 400 Hz, 30%

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

General

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

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

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Service Manual

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

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