

"PROJECT-O"



SR-3400



SR-5400



HITACHI
Hitachi, Ltd. Tokyo Japan

HITACHI HI-FI COMPONENT STEREO RECEIVER

MODEL SR-3400

MODEL SR-5400

SERVICE MANUAL

NO.66

1973



HITA-02581

1. SPECIFICATIONS

FM SECTION

FM frequency range	88 - 108MHz
Usable sensitivity	
S/N = 26dB (40kHz dev.)	1.2μV
IHF (75kHz, THD3%)	2.5μV
Image rejection (at 104MHz)	55dB
IF rejection (at 100MHz)	80dB
Capture ratio (IHF)	1.2dB
Signal to noise ratio	64dB
AM suppression (IHF)	40dB
Selectivity (±400kHz, IHF)	40dB
Spurious rejection	85dB
Stereo separation (1kHz)	36dB
Distortion (1kHz)	Mono 0.5%, Stereo 0.8%
De-emphasis	50μs±2dB
3dB limiting	2.5μV
19kHz, 38kHz Suppression	36dB

AM SECTION (MW, LW and SW)

AM frequency range	
LW	150kHz - 350kHz
MW	530kHz - 1,605kHz
SW	5.8MHz - 10MHz
Usable sensitivity (S/N = 20dB)	
LW (Loop ant)	800μV/m
MW (Loop ant)	300μV/m
SW (IEC dummy)	20μV
Image rejection	
LW (at 300kHz)	35dB
MW (at 1,400kHz)	34dB
SW (at 9MHz)	12dB
IF rejection	
LW (at 300kHz)	38dB
MW (at 1,400kHz)	32dB
SW (at 6MHz)	54dB
Selectivity (at 1000kHz±10kHz)	26dB
Signal to noise ratio	40dB
Distortion (400Hz)	1%

AUDIO SECTION

Music power SR-3400	50W(4Ω) 40W(8Ω)
SR-5400	80W(4Ω) 60W(8Ω)

RMS power both channels driven	
SR-3400	2x10W(8Ω)
SR-5400	2x15W(8Ω)
RMS power each channel driven	
SR-3400	2x13W(8Ω)
SR-5400	2x20W(8Ω)
Distortion (THD) at rated output	1%
at ½ rated output	Less than 0.1%
Frequency response	
Phono	RIAA±2dB
AUX	20Hz - 20kHz
Input sensitivity	
Phono	2.5mV, 5mV(47kΩ)
AUX	260mV (47kΩ)
Tape	480mV (120kΩ)
DIN tape out	40mV (80kΩ)
Signal to noise ratio	
Phono	65dB
AUX	75dB
Tape	75dB
Damping factor	25
Bass	±10dB (at 100Hz)
Treble	±12dB (at 10kHz)
Power band width	50Hz - 20kHz
Cross talk	48dB (at 1kHz)
Loudness	+9dB (at 100Hz) +5dB (at 10kHz)

GENERAL

Semi-conductors	IC : 3 FET : 1
Transistor : 35	
Diode : 22	
Power supply	AC110,120,220 and 240V
Power consumption SR-3400	82W
SR-5400	117W
Dimensions	17-1/4(W)×5-3/8(H)×15-3/8(D)in. (438×138×390mm)
Weight SR-3400	17.6 lbs. (8.0kg)
SR-5400	19.8 lbs. (9.0kg)

* The above specifications are subject to changes for improvement without notice.

FEATURES

1. High performance MOS FET (metal oxide silicone field effect transistor) is used in the front end of the FM tuner section, increasing sensitivity reducing noise and interference.
2. The employment of a sharp characteristic ceramic filter and a high quality IC in the IF amplifier section of the FM tuner has further improved the selectivity, capture ratio and distortion characteristics.
3. The signal strength meter indicates the correct tuning point during the reception of a broadcast, while the tuning meter (SR-5400 only) gives you the optimum receiving point on the dial for FM reception.
4. The apparatus is suitable for connection to a mains supply of 110, 120, 220 and 240V.
5. The use of complementary ITL • OTL circuit, together with Hitachi's high performance silicon transistors, assures extremely low distortion.
6. The input level switch enables you to adjust the receiver to suit the output of any pick cartridge.
7. Two sets of stereo speaker systems can be connected, permitting change-over from one system to the other. This feature also enables speaker matrix 4-channel reproduction (ambiphonic system).
8. The one-touch system of the speaker terminals assure easy and perfect connection of the speakers.
9. Reception of 4 Bands (FM, SW, MW and LW) is possible.
10. For LW reception, you can change the built-in ferrite bar antenna or outdoor antenna.

3. DIFFERENCE OF SR-3400 AND SR-5400

3.1 SPECIFICATIONS

	SR-3400	SR-5400
Music power	40W (8Ω) 50W (4Ω) 2×13W (8Ω)	60W (8Ω) 80W (4Ω) 2×20W (8Ω)
RMS power each channel driven Power consumption	82W	117W

3.2 CIRCUIT AND REPLACEMENT PARTS

	SR-3400				SR-5400			
SYMBOL NO.	STOCK NO.	DESCRIPTION			STOCK NO.	DESCRIPTION		
R 711(L,R)	0114171	Carbon film	2.7kΩ±5%	SRD $\frac{1}{2}$ P	0114175	Carbon film	3.9kΩ±5%	SRD $\frac{1}{2}$ P
R 805	0111415	Metal oxide	560Ω±10%	RD2PA	0111417	Metal oxide	820Ω±10%	RD2PA
R 808	0134377	Composition	2.2kΩ±10%	RC $\frac{1}{2}$ GF	0134378	Composition	2.7kΩ±10%	RC $\frac{1}{2}$ GF
Q 701(L,R)	2327283	2SA673A(C)			2327387	2SA673AS(C)		
Q 704(L,R)								
Q 705(L,R)	2327203	2SC1060(C)			2327053	2SC1030(C)		
Q 706(L,R)	2519323	AUDIO printed wiring board assembly			2519324	AUDIO printed wiring board assembly		
	2217631	Power transformer			2217641	Power transformer		
F 701(L,R)	2727192	Fuse-fuse (1.25A, Time lag)			2727194	Fuse-fuse (1.6A, Time lag)		
	—	—			2577127	Center meter		
	3918213	Dial scale			3918214	Dial scale		
	—	—			4378531	Plate (for power transformer fixing)		
	3242275	Escutcheon assembly			3242276	Escutcheon assembly		
F 1	2727192	Fuse-fuse (1.25A, Time lag)			2727194	Fuse-fuse (1.6A, Time lag)		
F 2	2727173	Fuse-fuse (3.15A, Quick)			2727174	Fuse-fuse (4A, Quick)		

4. FRONT AND REAR PANEL

SR-3400 FRONT PANEL

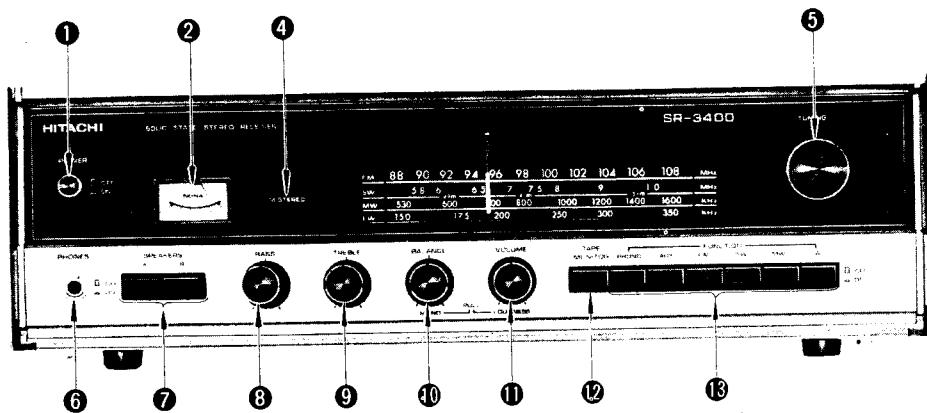


Fig. 1

- ① POWER SWITCH
- ② SIGNAL STRENGTH METER
- ③ TUNING METER
(SR-5400 only)
- ④ FM STEREO INDICATOR
- ⑤ TUNING KNOB
- ⑥ HEADPHONE JACK
- ⑦ SPEAKER SELECTOR SWITCH
- ⑧ BASS CONTROL
- ⑨ TREBLE CONTROL
- ⑩ BALANCE CONTROL AND MODE SWITCH
- ⑪ VOLUME CONTROL AND LOUDNESS SWITCH
- ⑫ TAPE MONITOR SWITCH
- ⑬ FUNCTION SWITCH

SR-5400 FRONT PANEL

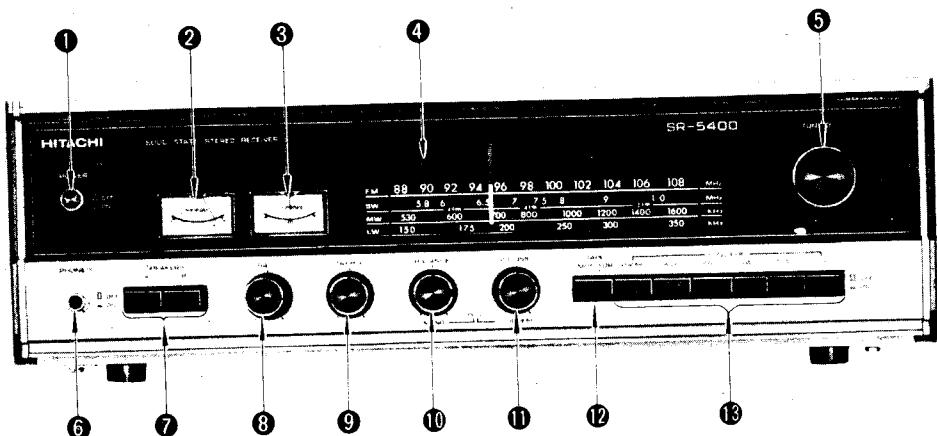


Fig. 2

SR-3400, SR-5400 REAR PANEL

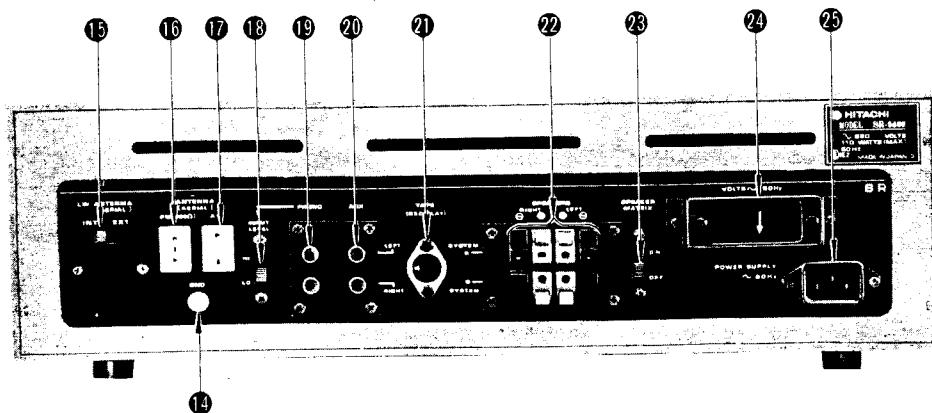


Fig. 3

Note : AC connector part 25 is changed with each country.

5. GENERAL ALIGNMENT INSTRUCTION

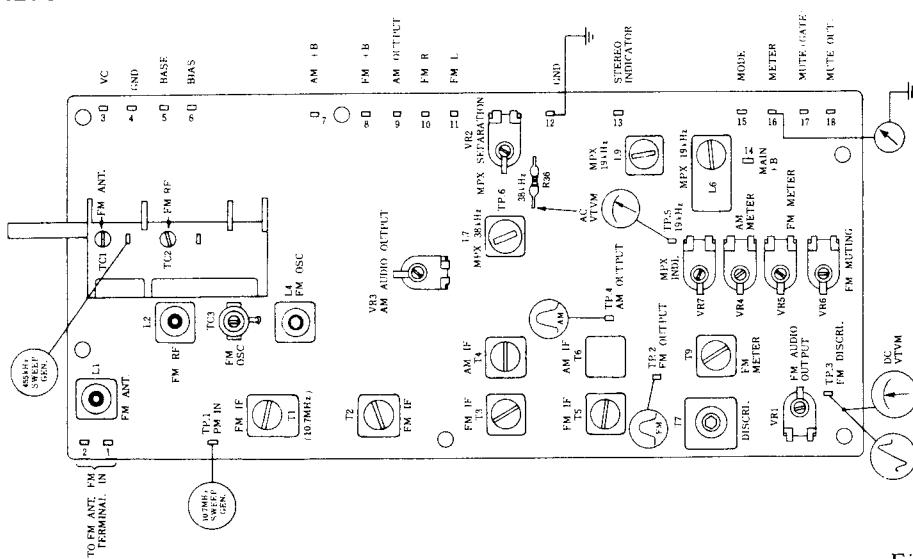


Fig. 4

5.1 FM TUNER ALIGNMENT

Steps	Item	Measuring Instrument	Input Terminal	Output Terminal	Frequency	Adjust	Wave Form
1	IF Amplifier	10.7MHz±150kHz Sweep Generator	TP 1	TP 2		T107 (upper) T109	Core Max.
						T101, T102 T103, T105	CAUTION (1)
2	Covering	4.1 FM signal generator 87.5MHz 400Hz 100% modulated	Antenna terminal	DIN TAPE OUT (L) or SP OUT (L)	87.5MHz (Turn the Dial pointer at the lowest point.)	L104	Output Max.
		4.2 FM signal generator 108.5MHz 400Hz 100% modulated				TC103 (Turn the Dial pointer at the highest point.)	Repeat (1) & (2)
3	Tracking	5.1 FM signal generator 90MHz 400Hz 100% modulated, 10dB at input V.T.V.M.	Antenna terminal	DIN TAPE OUT (L) or SP OUT (L)	90MHz	L101, L102	Output Max.
		5.2 FM signal generator 106MHz 400Hz 100% modulated, 10dB at input V.T.V.M.			106MHz	TC101 TC102	Repeat (1) & (2)
4	Tuning Meter	FM signal generator 98MHz 400Hz 100% modulated, 60dB at input	Antenna terminal	Tuning Meter	98MHz (Set the Tuning meter so that pointer will be max.)	VR105	Adjust VR105 so that pointer of Tuning meter will be 4.
5	Discriminate	FM signal generator 100MHz 400Hz 100% modulated 60dB at input V.T.V.M.	Antenna terminal	TP 3 DC balance meter	100MHz	T107 (upper)	Adjust T107 so that pointer of Balance Meter will become 0V.
6	Distortion	FM signal generator 100MHz 400Hz 100% modulated 60dB at input Distortion meter	Antenna terminal	SP OUT (L)	100MHz	T107 (lower)	Adjust T107 so that distortion will become min.
7	Output	FM signal generator 98MHz 400Hz 30% modulated, 60dB at input	Antenna terminal	DIN TAPE OUT	98MHz	VR101	Adjust the output to gain 40mV±2dB.

CAUTION

- (1) At the article 1 - (2). By the core of T101, T102, T103 and T105 let it be adjusted so that the gain will be max. And the wave form should be adjusted so that it will be the one of the Fig.5. In this case, the output voltage at the surveying point of TP.2 is weak, so let it be adjusted by connecting shown at Fig. 6, using V.T.V.M.
- Next, adjust it by T109 core, so that the wave form of Fig.5 will dip just as Fig.7 and at this time of adjustment stop the oscillation. (Oscillation variable capacitor is shorted.)

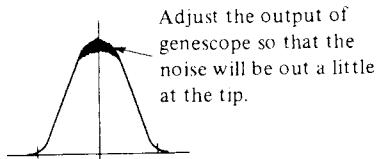


Fig. 5

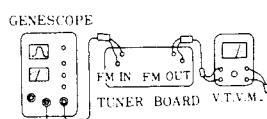


Fig. 6

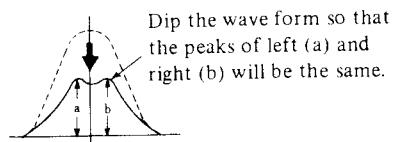


Fig. 7

- (2) At the article 1 - (3). Adjust so that it will be just as S curve of Fig. 8 with the secondary core (upper) of T107. And by the primary core (lower) of the T107, adjust it so that the gain will be max. In this case, A and B will be at the symmetry position of C, and adjust it as the straight line can be gained.

At the time of adjustment of Caution (1) and (2), we use ceramic filter, so the center of the marker will not sometimes come on that of wave form. In this case, neglect the marker.

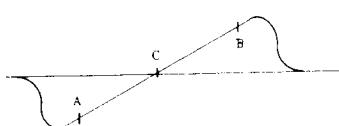


Fig. 8

5.2 FM MPX ALIGNMENT

Steps	Item	Measuring Instrument	Input Terminal	Output Terminal	Frequency	Adjust	Wave Form
1						VR107	Set the VR107 in the center.
2	(1) Tuning coil	19kHz 38kHz FM signal generator 60dB at input Stereo signal generator pilot signal (19kHz) 8% modulated V.T.V.M.	Antenna terminal	TP 5	100MHz	L106, L109	Adjust L106 and L109 so that 19kHz output wave form becomes max.
				TP 6		L107	Adjust L107 so that the (38kHz) output wave form becomes max.
3	(1) Separation	1. FM signal generator 100MHz, 60dB at input 2. Stereo signal generator Main signal 92% modulated Pilot signal 8% modulated V.T.V.M.	Antenna terminal	FM OUT(L) or SP OUT(L)	100MHz		Set the tuning knob so that pointer of meter will become max.
						L109	After making the signal of L ch and Pilot, adjust L109 so that the output wave form of L ch becomes max.
						VR102	After making the signal of R ch and Pilot, adjust VR102 so that the output wave form of L ch becomes min.
							Optimize VR102 so that the leak level of the L ch signal is equal to that of the R ch signal.
4	Lighting Level of STEREO Indicator Lamp	FM signal generator 100MHz 60dB at input Stereo signal generator pilot signal (19kHz) 5% modulated.	Antenna terminal	STEREO Indicator Lamp	100MHz	VR107	Adjust VR107 so that stereo indicator lamp will be lighted when the modulation degree of pilot signal is 5%.
5	Lighting Level of STEREO Indicator Lamp	1. FM signal generator 98MHz 24dB at input 2. Stereo signal generator Main signal 92% modulated Pilot signal 8% modulated	Antenna terminal	STEREO Indicator Lamp	98MHz	VR106	Adjust VR106 so that stereo indicator lamp will be lighted.

5.3 AM TUNER ALIGNMENT

Steps	Function	Item	Measuring Instrument	Input Terminal	Output Terminal	Tuning dial Setting	Adjust	Wave Form
1	MW	IF Amplifier	Sweep generator 455kHz	Antenna terminal (V.C)	TP 4		T 104, T 201	Gain Max. CAUTION (3)
2	(1) (2) (3)	LW LW antenna input selector (Rear Panel) to INT.	Covering	AM signal generator 145kHz 400Hz 30% modulated, 74dB/m at input V.T.V.M.	Ferrite antenna	SP OUT	Quiet point at low frequency end	L 204
							Quiet point at high frequency end	TC 206
								Repeat (1) and (2)
3	(1) (2) (3)	LW LW antenna input selector (Rear Panel) to INT.	Tracking	AM signal generator 170kHz 400Hz 30% modulated, weak input V.T.V.M. AM signal generator 300kHz 400Hz 30% modulated, weak input V.T.V.M.	Ferrite antenna	SP OUT	175kHz	L 1 (ferrite antenna)
							300kHz	TC 207
								Repeat (1) and (2)
4	(1) (2) (3)	MW	Covering	AM signal generator 520kHz 400Hz 30% modulated, 74dB/m at input V.T.V.M. AM signal generator 1650kHz 400Hz 30% modulated, 74dB/m at input V.T.V.M.	Ferrite antenna	SP OUT	Quiet point at low frequency end	L 203
							Quiet point at high frequency end	TC 205
								Repeat (1) and (2)
5	(1) (2) (3)	MW	Tracking	AM signal generator 600kHz 400Hz 30% modulated, weak input V.T.V.M. AM signal generator 1400kHz 400Hz 30% modulated, weak input V.T.V.M.	Ferrite antenna	SP OUT	600kHz	L 3 (ferrite antenna)
							1400kHz	TC 202
								Repeat (1) and (2)
6	(1) (2) (3)	SW	Covering	AM signal generator 5.6MHz 400Hz 30% modulated, 40dB at input V.T.V.M. AM signal generator 10.4MHz 400Hz 30% modulated, 40dB at input V.T.V.M.	I.E.C dummy antenna	SP OUT	Quiet point at low frequency end	L 202
							Quiet point at high frequency end	TC 204
								Repeat (1) and (2)
7	(1) (2) (3)	SW	Tracking	AM signal generator 6MHz 400Hz 30% modulated, weak input V.T.V.M. AM signal generator 9MHz 400Hz 30% modulated, weak input V.T.V.M.	I.E.C dummy antenna	SP OUT	6MHz	L 205
							9MHz	TC 201
								Repeat (1) and (2)
8	(1) (2) (3)	LW LW antenna input selector (Rear Panel) to EXT.	Tracking	AM signal generator 175kHz 400Hz 30% modulated, weak input V.T.V.M. AM signal generator 300kHz 400Hz 30% modulated, weak input V.T.V.M.	I.E.C dummy antenna	SP OUT	175kHz	L 201
							300kHz	TC 203
								Repeat (1) and (2)
9	MW	Tuning Meter	AM signal generator 1000kHz 400Hz 30% modulated, 74dB/m at input V.T.V.M.	Ferrite antenna	SP OUT	1000kHz	VR 104	Adjust VR 104 so that pointer of meter will be 3.5.
10	MW	Output Level	AM signal generator 1000kHz 400Hz 30% modulated, 74dB/m at input V.T.V.M.	Ferrite antenna	DIN OUT	1000kHz	VR 103	Adjust VR 103 so that the output becomes 45mV.

CAUTION

- (1) At the article 1, adjust T104 and T201, so that the wave form will be as in Fig. 9. As T201 contains ceramic filter of 455kHz sometimes the center of the marker will not come on that of the wave form. In this case, neglect the marker.
- (2) At the article 2 and 3, at the time of the first adjustment, make input power at 74dB and as the adjustment goes on, make it the minimum and necessary input power (50dB).

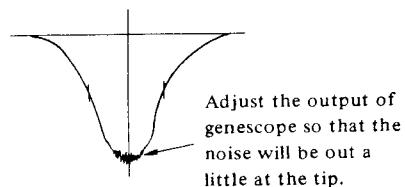
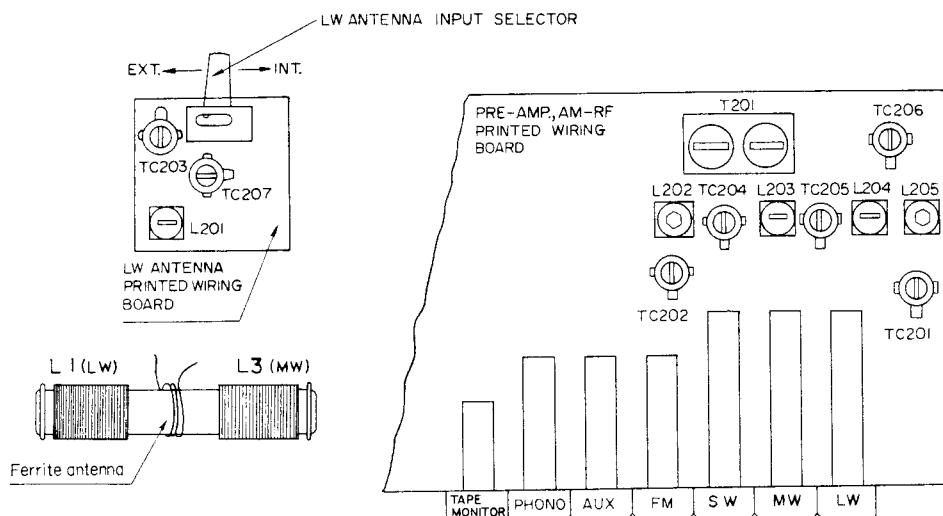


Fig. 9

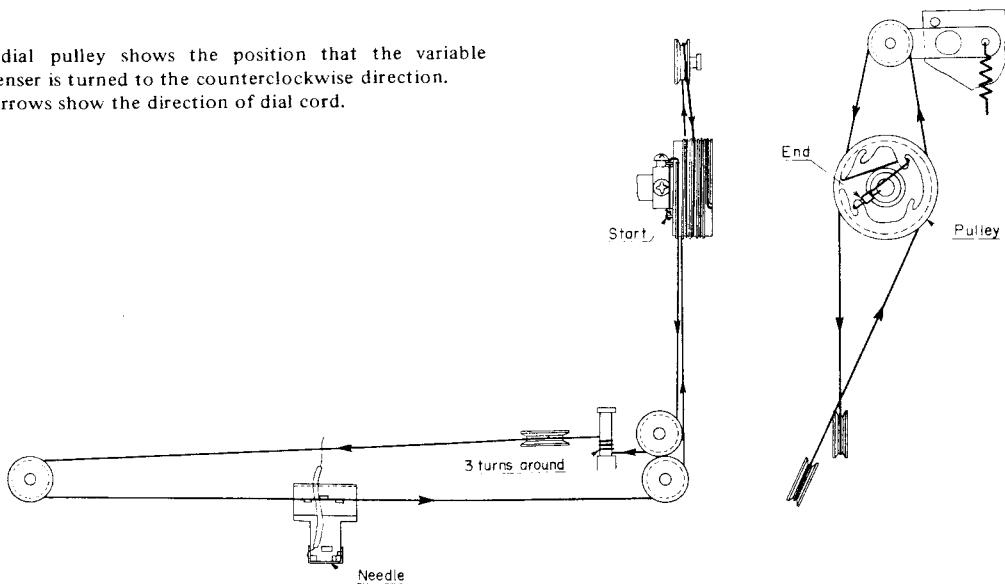


5.4 AUDIO CIRCUIT ALIGNMENT

Steps	Item	Measuring Instrument	Point to be Measured	Adjust	Value Adjusted
1	Idle Current	DC volt meter	connect (+) terminal of DC volt meter to TP L connect (-) terminal of DC volt meter to TP L(E)	VR 701L	Steady state: $20 \pm 2.5 \text{ mV}$

6. DIAL CORD SETTING

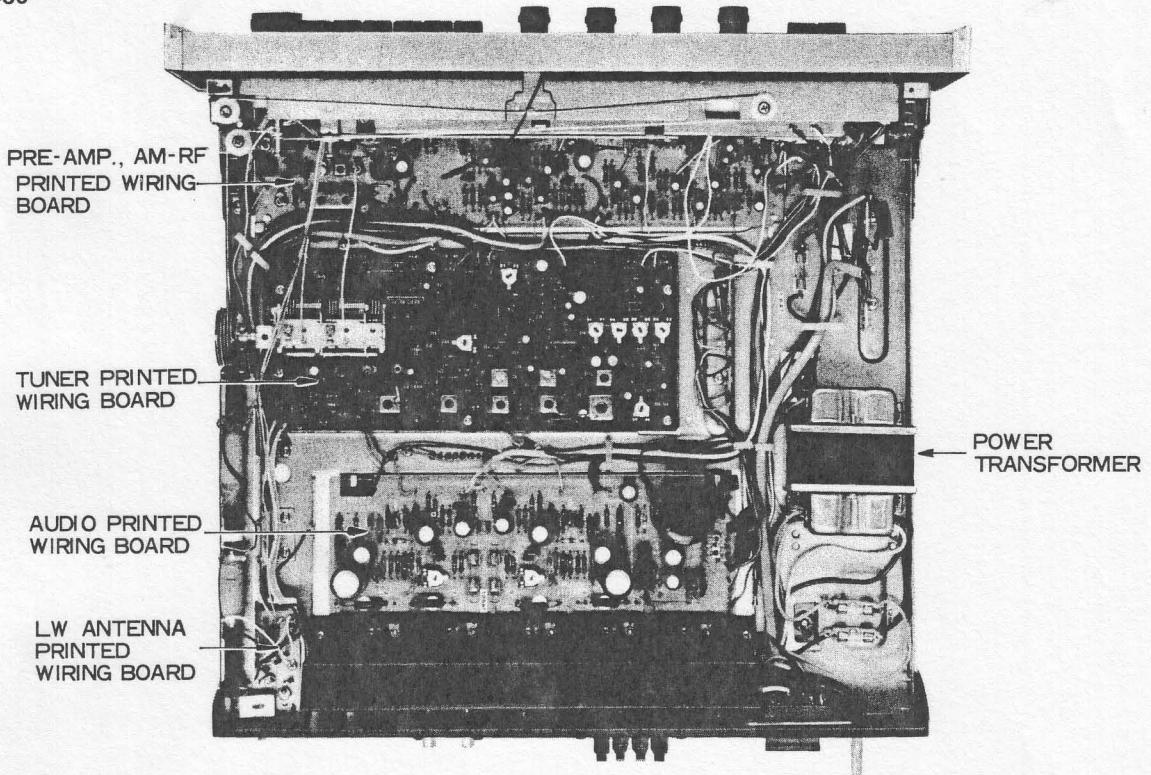
Note: 1. The dial pulley shows the position that the variable condenser is turned to the counterclockwise direction.
 2. The arrows show the direction of dial cord.



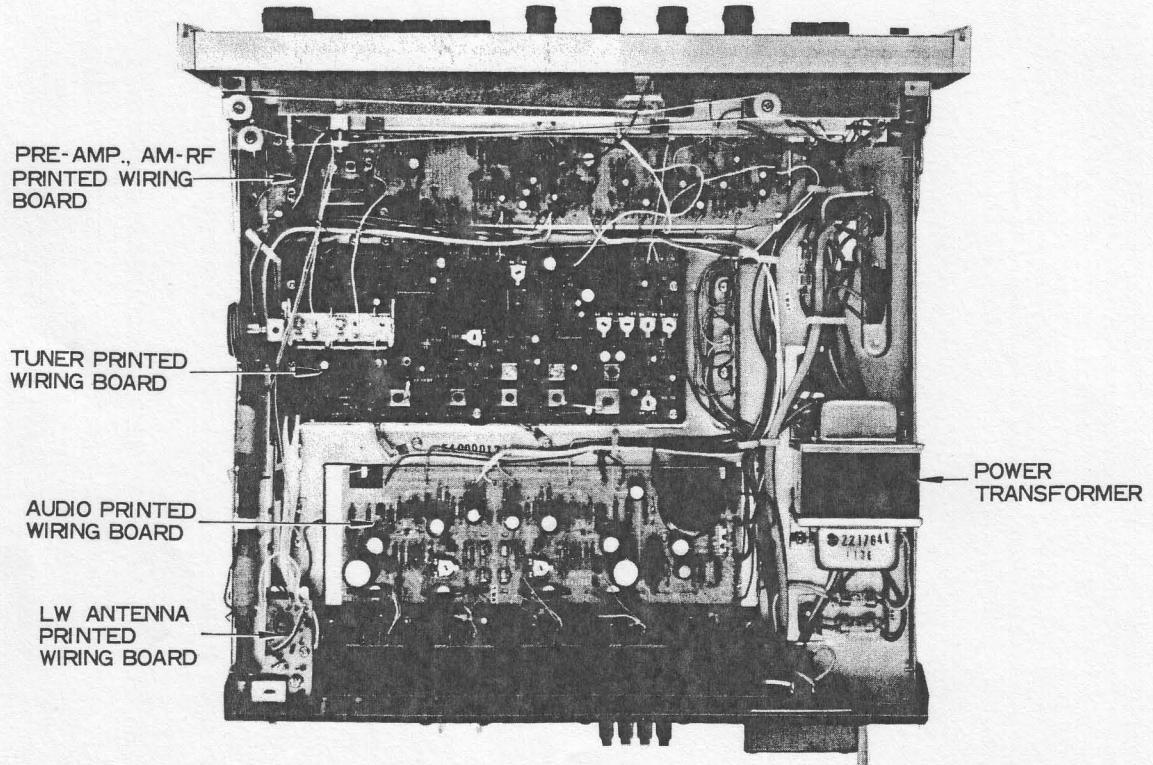
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7. CHASSIS LAYOUT

SR-3400

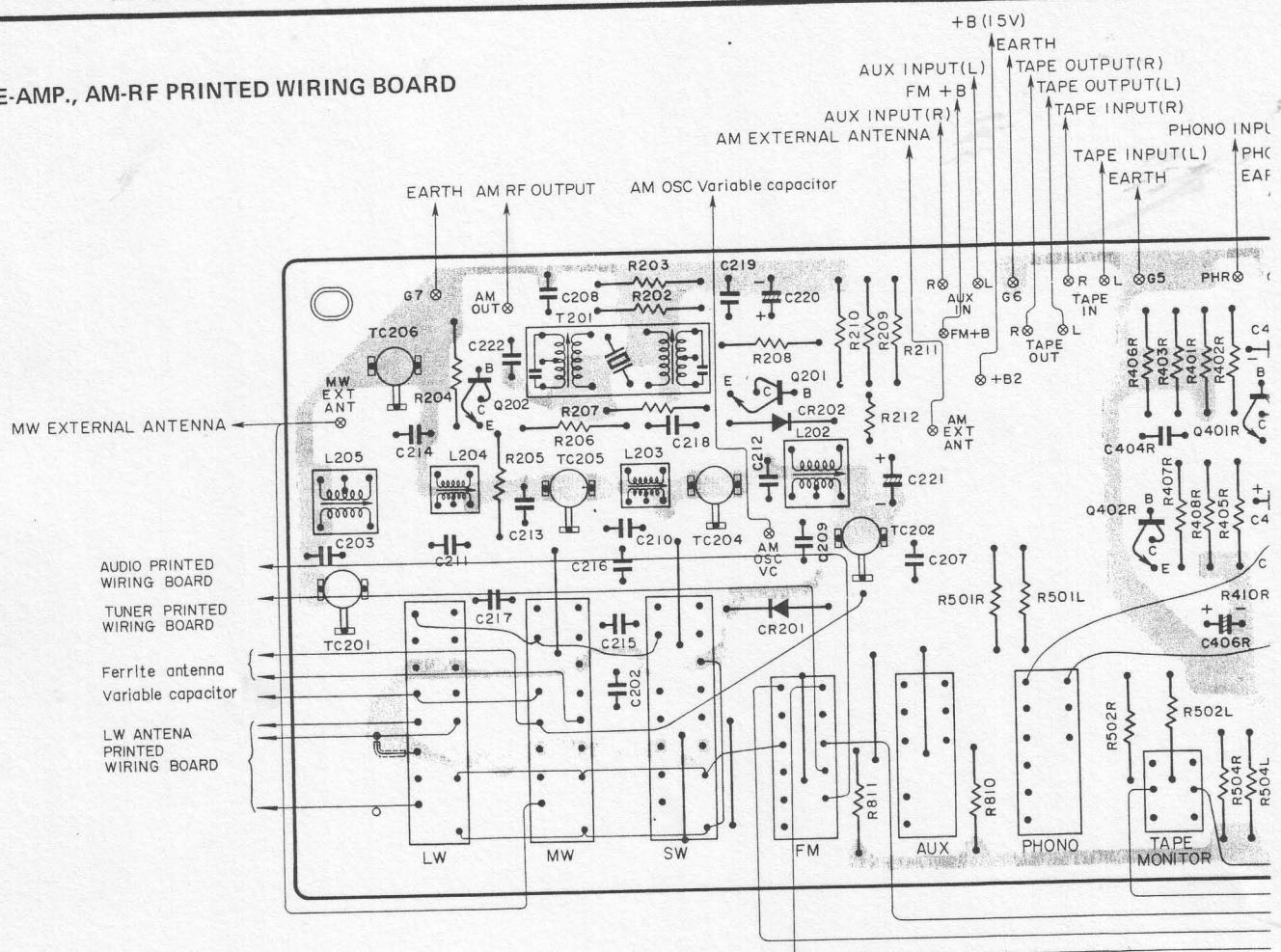


SR-5400

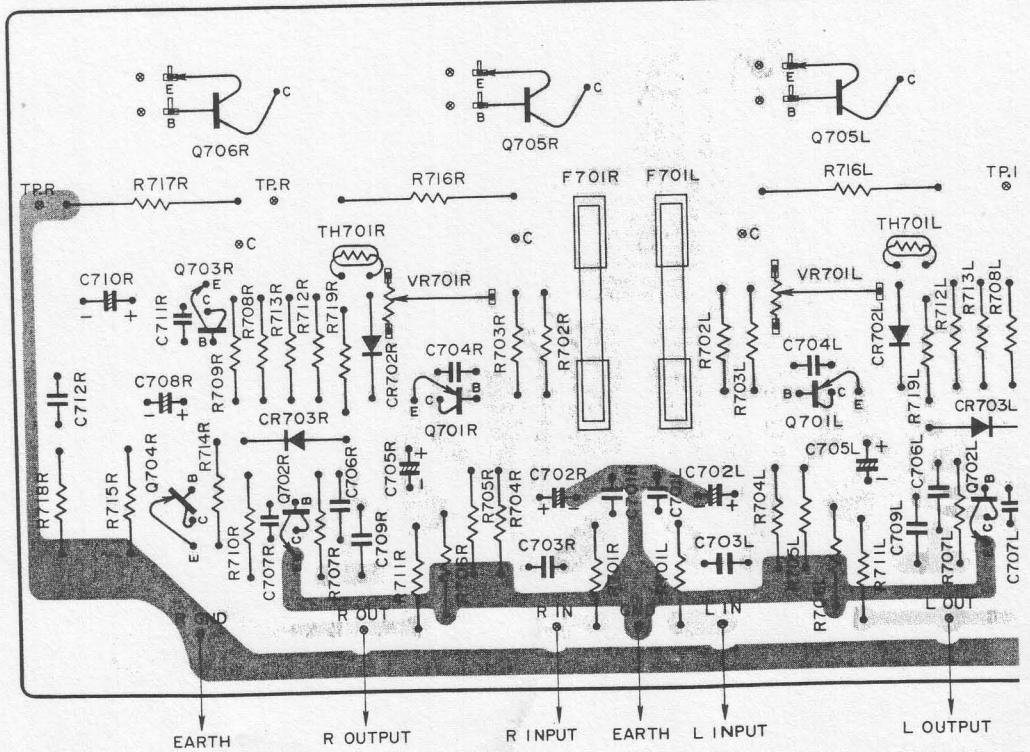


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PRE-AMP., AM-RF PRINTED WIRING BOARD

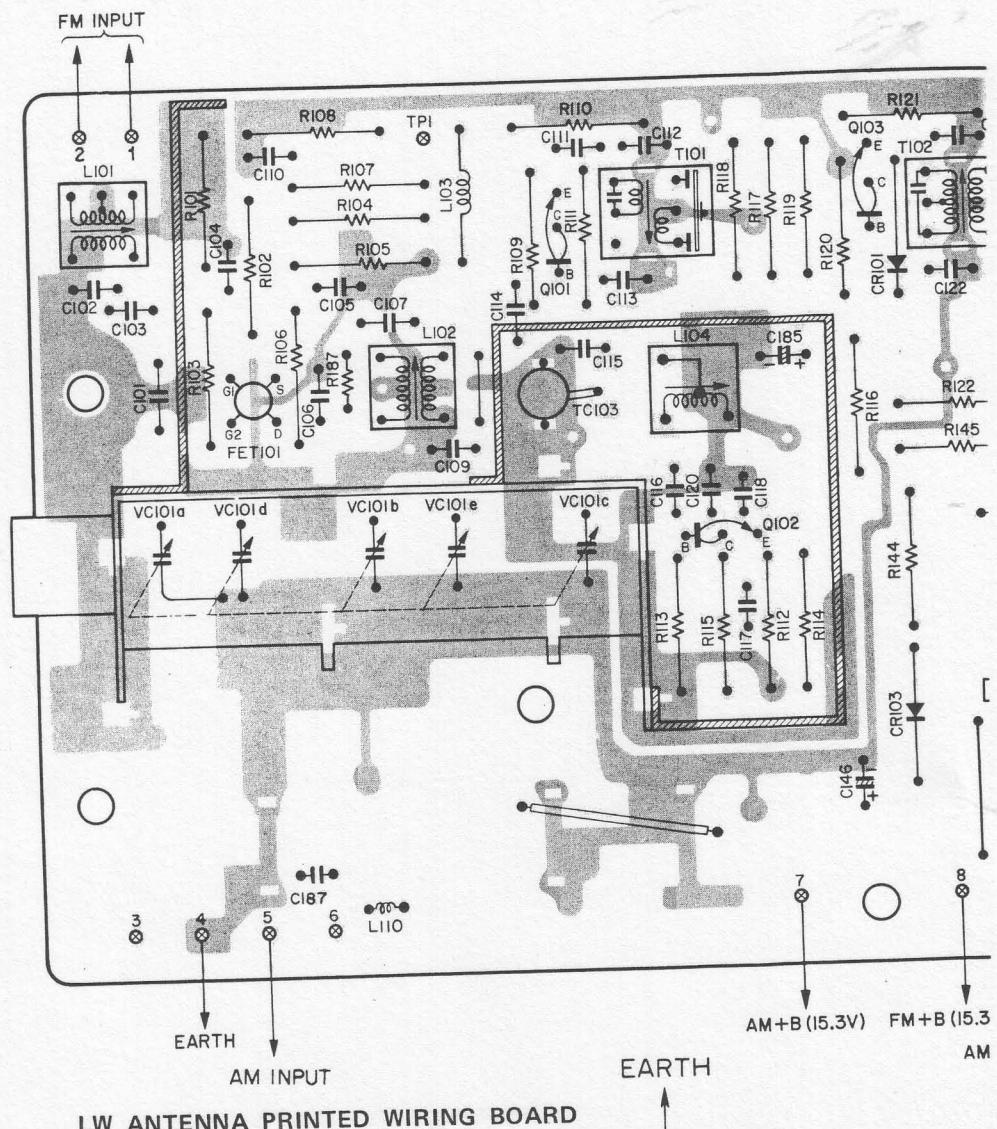


AUDIO PRINTED WIRING BOARD

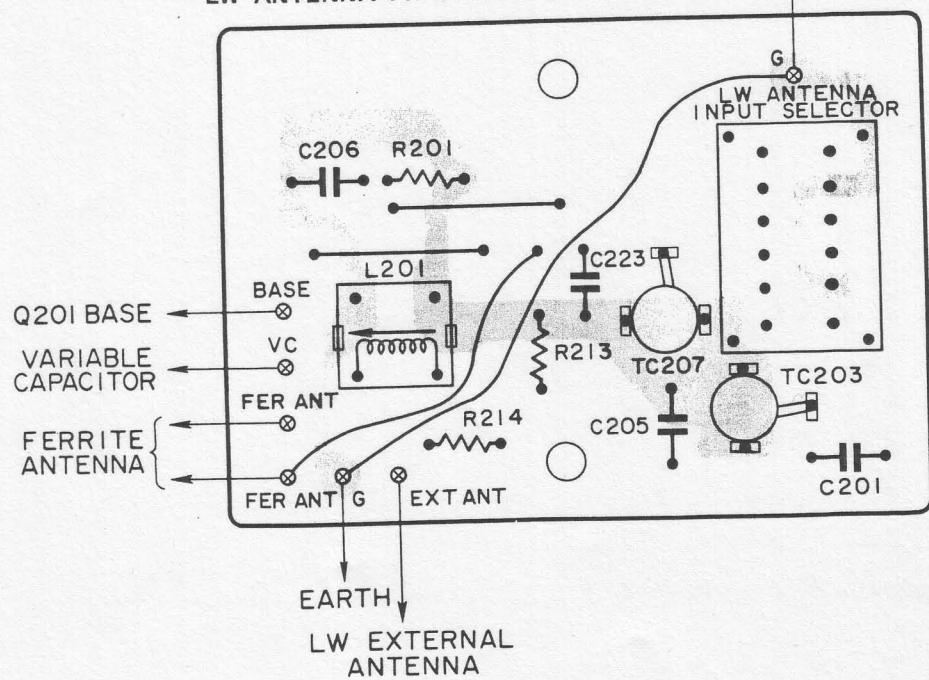


8. PRINTED WIRING BOARD

TUNER PRINTED WIRING BOARD

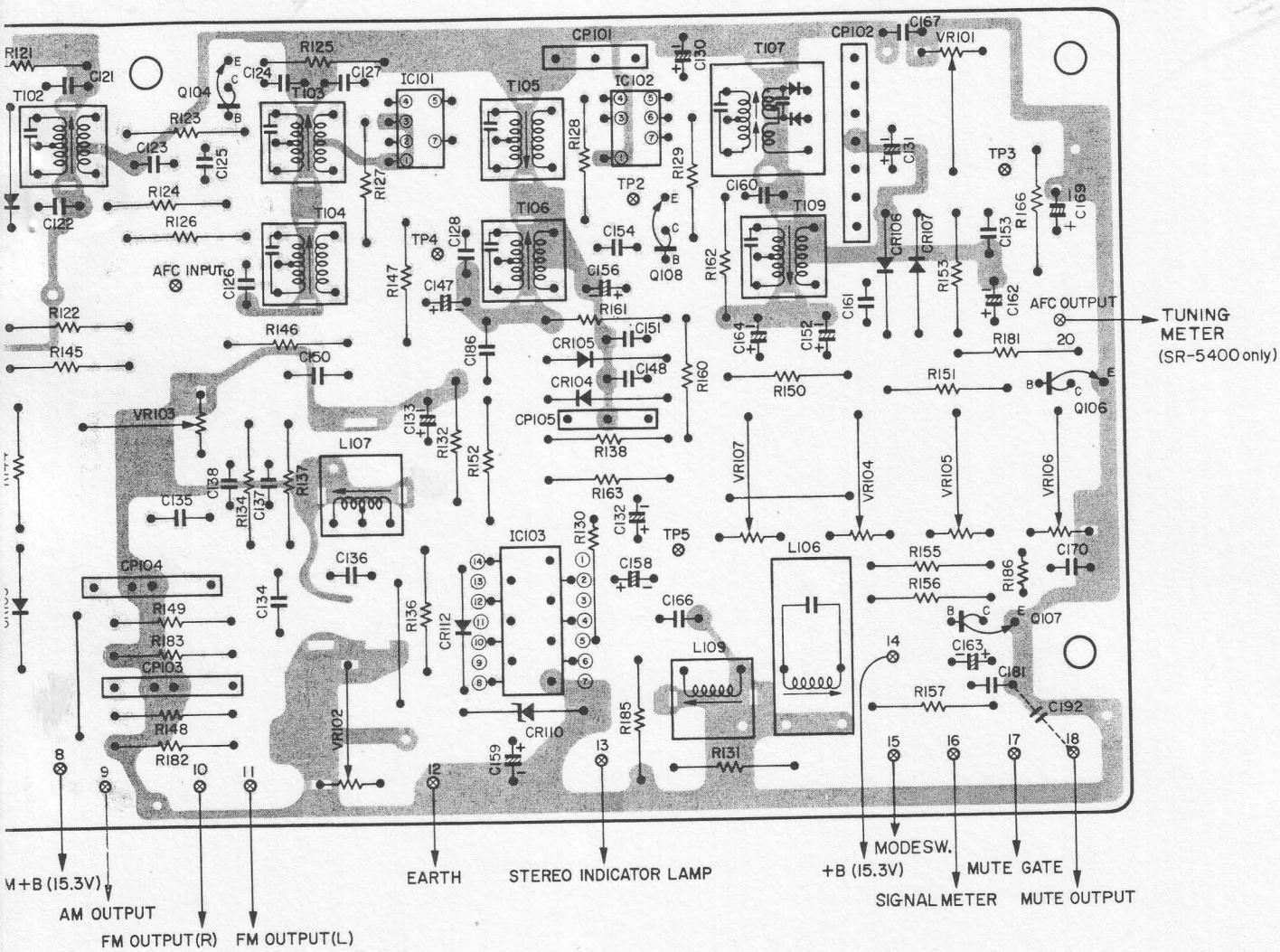


LW ANTENNA PRINTED WIRING BOARD

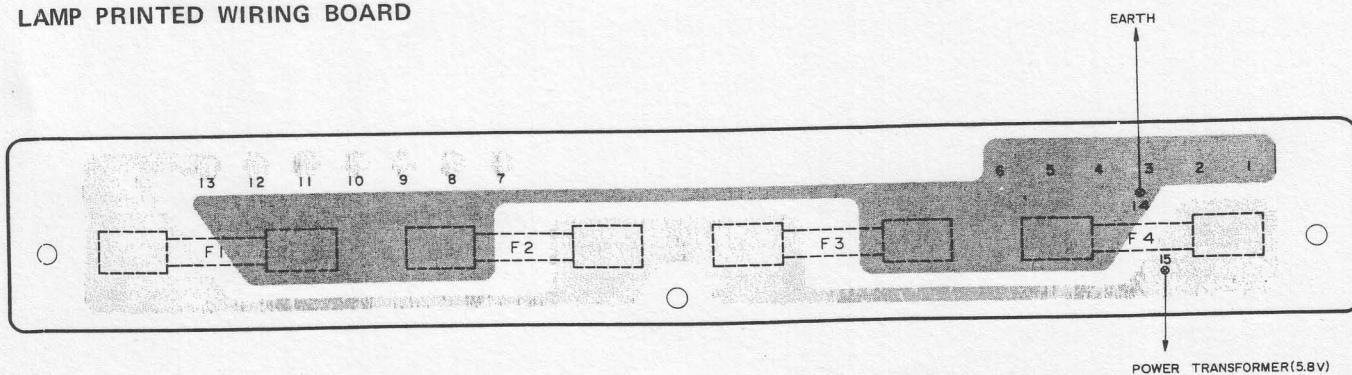


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Really on the base-plate, the printed symbol number is shown with two figures, but not all of them. This means the first figure is shortened. When it is needed to know the symbol number, please check the plan of base-plate and circuit diagram in this service manual.

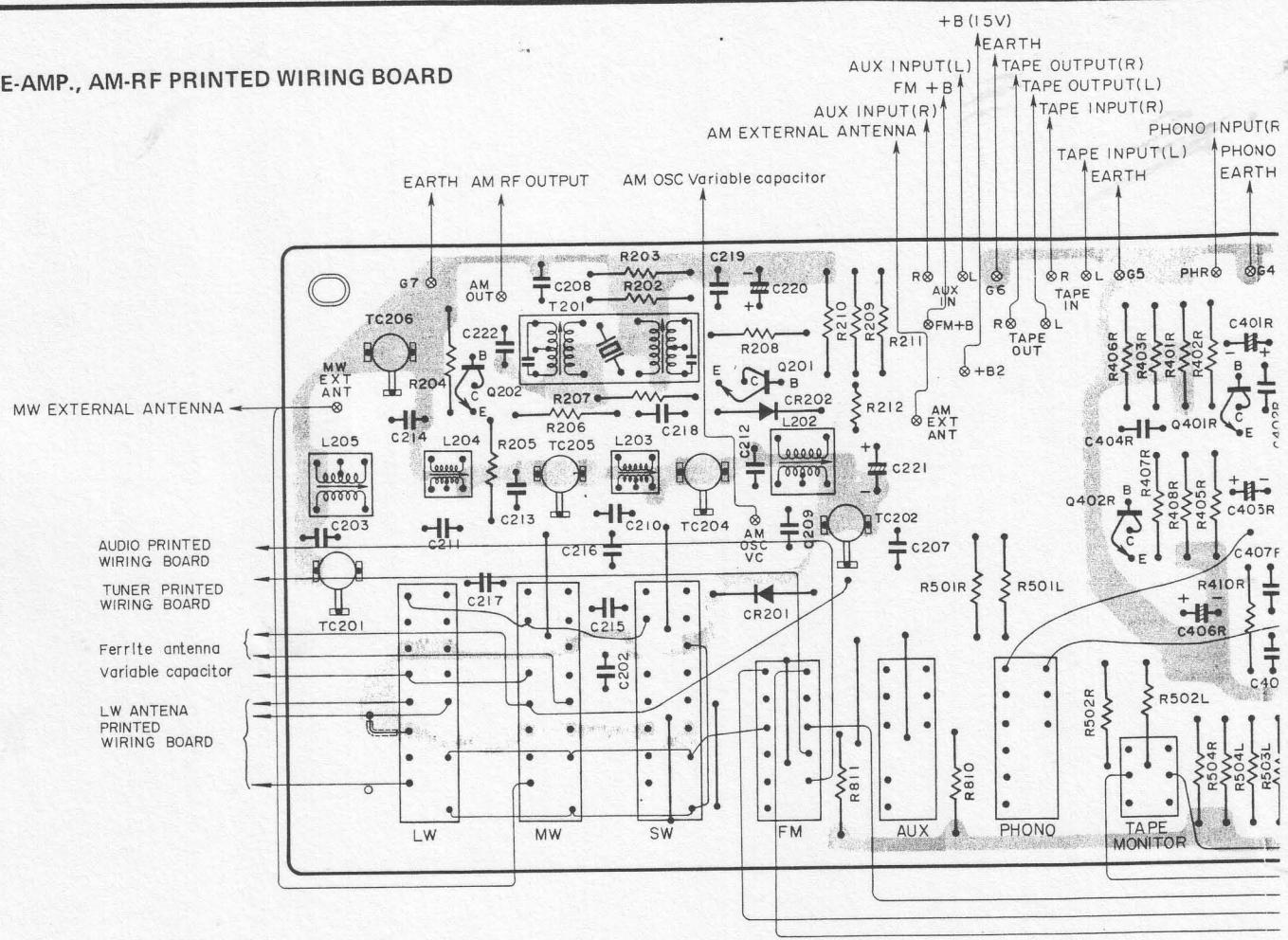


LAMP PRINTED WIRING BOARD

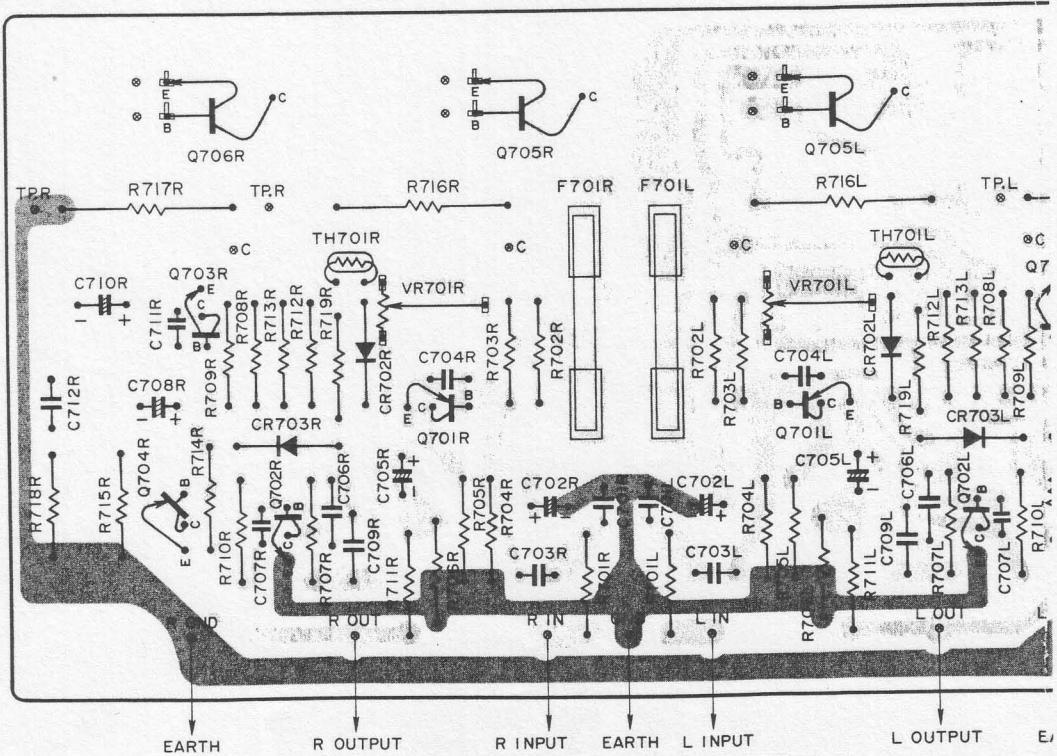


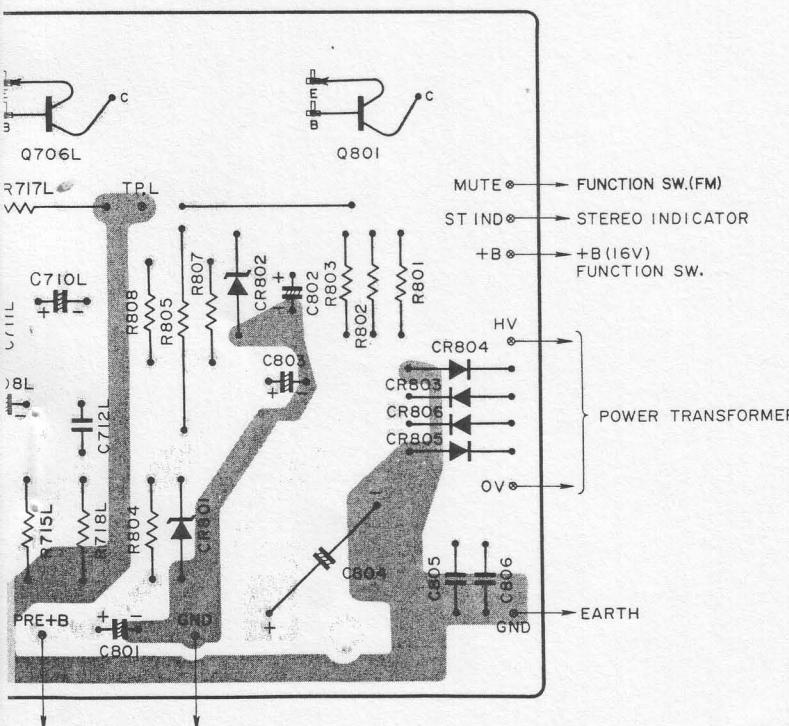
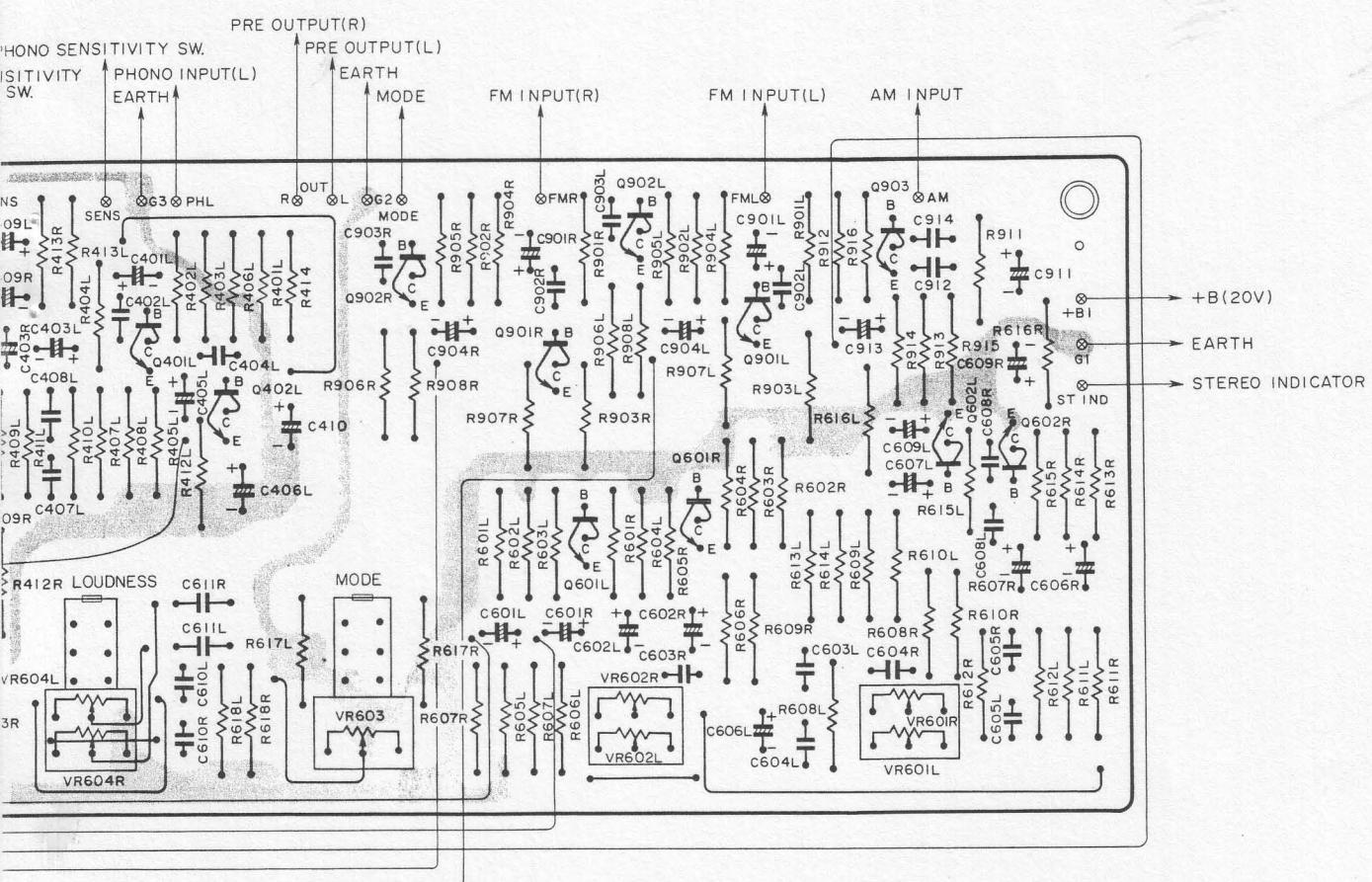
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PRE-AMP., AM-RF PRINTED WIRING BOARD



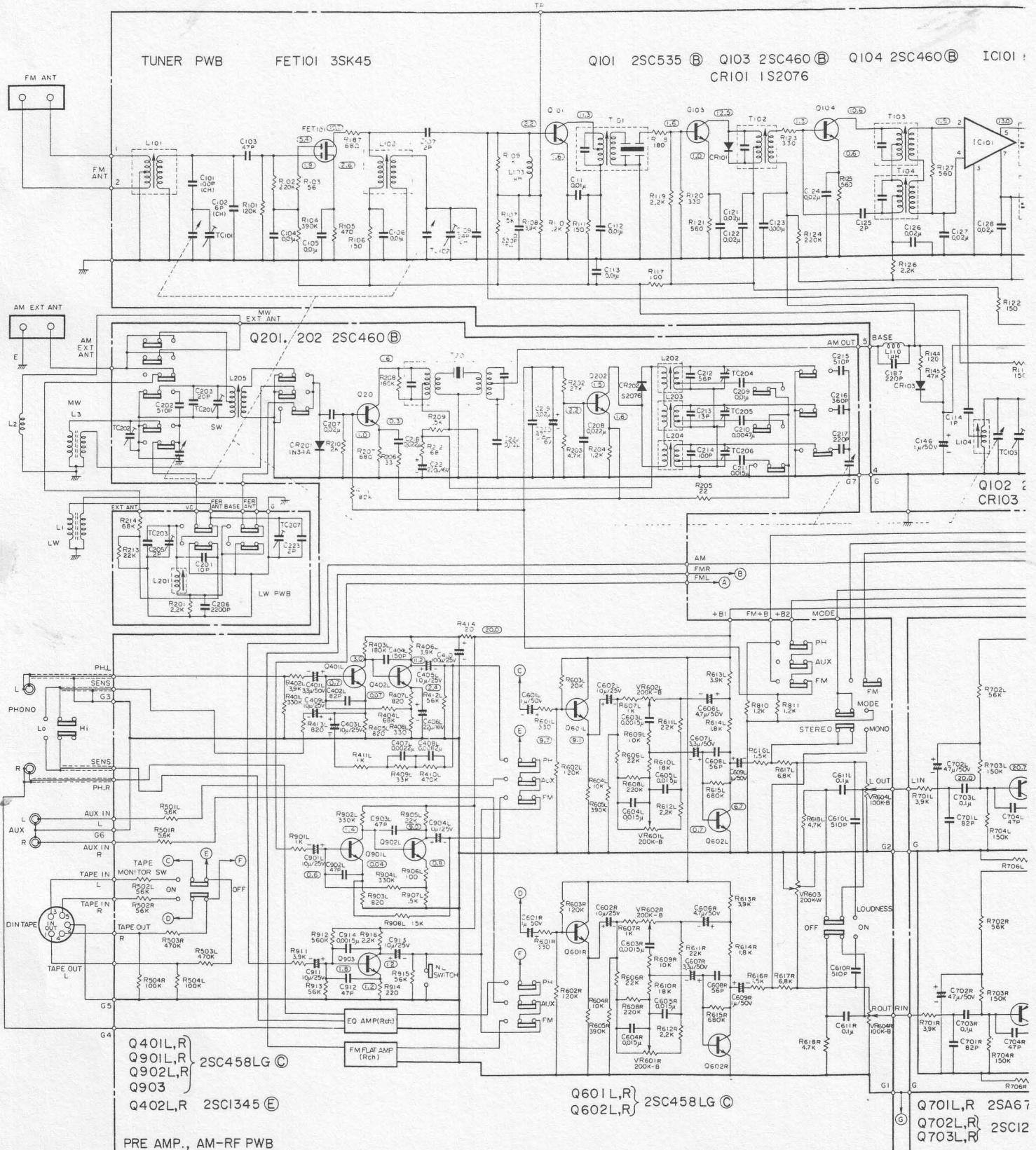
AUDIO PRINTED WIRING BOARD



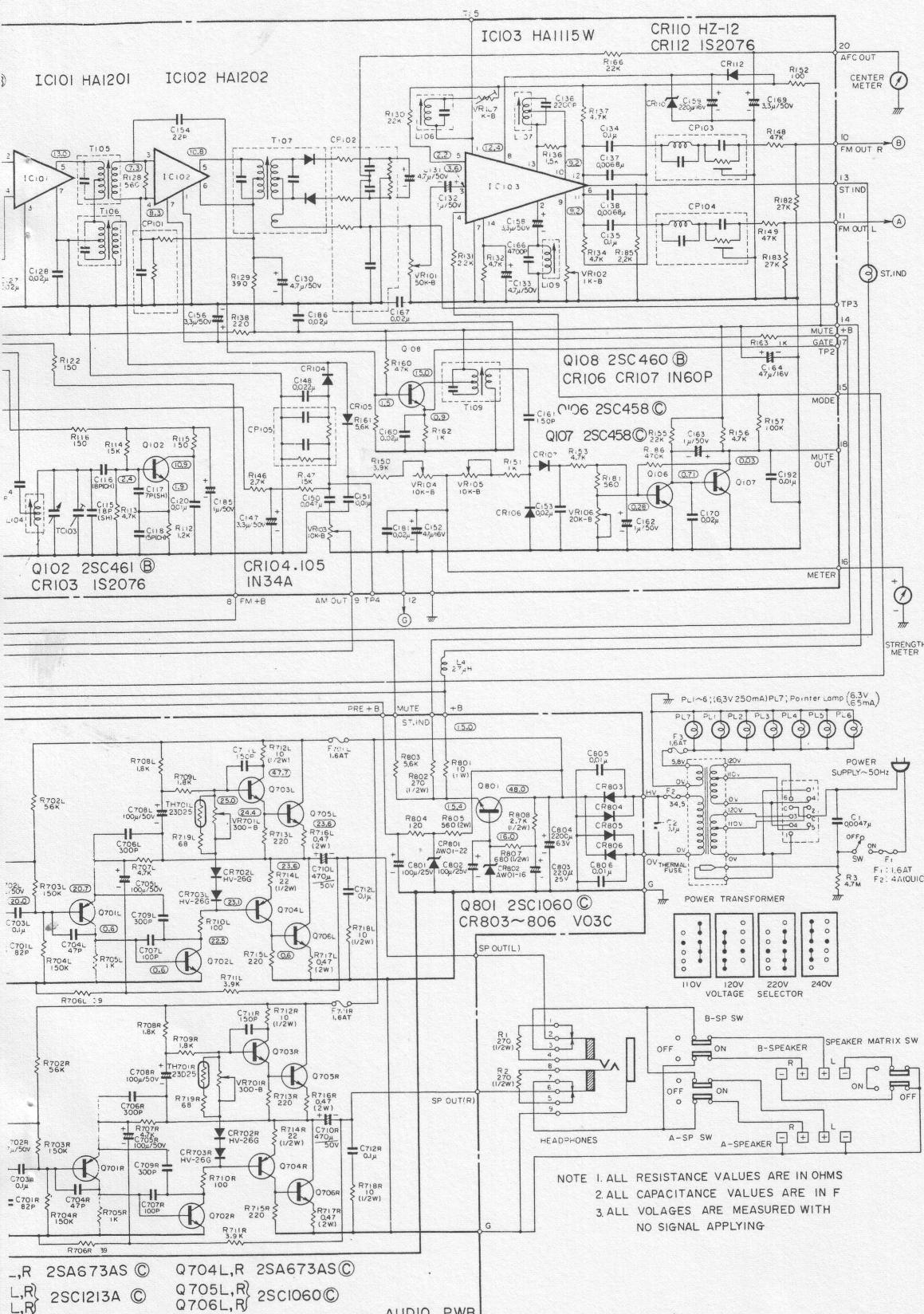


9. CIRCUIT DIAGRAM

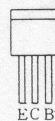
(This is a circuit diagram of Model SR-5400.
The difference between SR-3400 and SR-5400 is shown page 2.)



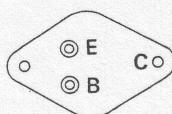
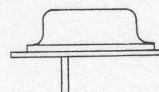
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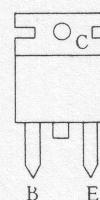
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2SA673AS 2SC458
2SC1213A 2SC458LG
2SC535 2SC460
2SC1345 2SC454



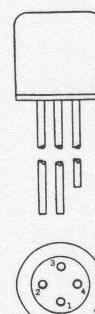
2SC1030



2SC1060

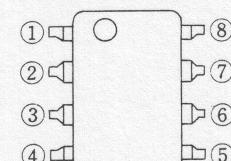


3SK45

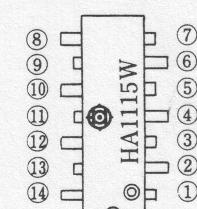


1. DRAIN
2. GATE 2
3. GATE 1
4. SOURCE

HA1201
HA1202



HA1115W



The circuit diagram is subject to change for improvement without notice.

MODEL SR-3400 SR-5400 SERVICE MANUAL

NOTE: * marked parts used for SR-3400
 ○ marked parts used for SR-5400

SYMBOL NO.	STOCK NO.	DESCRIPTION			SYMBOL NO.	STOCK NO.	DESCRIPTION		
R 501(L,R)	0114179	Carbon film	5.6kΩ±5%	SRD%P	R 801	0119041	Metal	10Ω±10%	RN1P
R 502(L,R)	0114219	Carbon film	56kΩ±5%	SRD%P	R 802	0134366	Composition	270Ω±10%	RC%GF
R 503(L,R)	0114297	Carbon film	470kΩ±5%	SRD%P	R 803	0114179	Carbon film	5.6kΩ±5%	SRD%P
R 504(L,R)	0114281	Carbon film	100kΩ±5%	SRD%P	R 804	0114133	Carbon film	120Ω±5%	SRD%P
R 601(L,R)	0114143	Carbon film	330Ω±5%	SRD%P	* R 805	0111415	Metal oxide	560Ω±10%	RD2PA
R 602(L,R)	0114283	Carbon film	120kΩ±5%	SRD%P	○ R 805	0111417	Metal oxide	820Ω±10%	RD2PA
R 603(L,R)	0114283	Carbon film	120kΩ±5%	SRD%P	R 807	0134371	Composition	680Ω±10%	RC%GF
R 604(L,R)	0114201	Carbon film	10kΩ±5%	SRD%P	* R 808	0134377	Composition	2.2kΩ±10%	RC%GF
R 605(L,R)	0114295	Carbon film	390kΩ±5%	SRD%P	○ R 808	0134378	Composition	2.7kΩ±10%	RC%GF
R 606(L,R)	0114209	Carbon film	22kΩ±5%	SRD%P	LW ANTENNA PRINTED WIRING BOARD				
R 607(L,R)	0114161	Carbon film	1kΩ±5%	SRD%P	R 201	0138129	Carbon film	2.2kΩ±5%	SRD%SD
R 608(L,R)	0114289	Carbon film	220kΩ±5%	SRD%P	R 213	0138169	Carbon film	22kΩ±5%	SRD%SD
R 609(L,R)	0114201	Carbon film	10kΩ±5%	SRD%P	R 214	0138181	Carbon film	68kΩ±5%	SRD%SD
R 610(L,R)	0114207	Carbon film	18kΩ±5%	SRD%P	for CHASSIS ASSEMBLY				
R 611(L,R)	0114209	Carbon film	22kΩ±5%	SRD%P	R 1	0134366	Composition	270Ω±10%	RC%GF
R 612(L,R)	0114169	Carbon film	2.2kΩ±5%	SRD%P	R 2	0134366	Composition	270Ω±10%	RC%GF
R 613(L,R)	0114175	Carbon film	3.9kΩ±5%	SRD%P	R 3	0111951	Carbon film	4.7MΩ±5%	RK%P-S
R 614(L,R)	0114167	Carbon film	1.8kΩ±5%	SRD%P	R 3	0113197	Carbon film (for Switzerland only)	4.7MΩ±5%	RD%P-S
R 615(L,R)	0114301	Carbon film	680kΩ±5%	SRD%P	TRANSISTORS				
R 616(L,R)	0114165	Carbon film	1.5kΩ±5%	SRD%P	for TUNER PRINTED WIRING BOARD				
R 617(L,R)	0114181	Carbon film	6.8kΩ±5%	SRD%P	FET 101	2327431	3SK45		
R 618(L,R)	0114177	Carbon film	4.7kΩ±5%	SRD%P	IC 101	2327312	HA1201		
R 810	0134374	Composition	1.2kΩ±10%	RC%GF	IC 102	2327411	HA1202		
R 811	0134374	Composition	1.2kΩ±10%	RC%GF	IC 103	2327422	HA1115(W)		
R 901(L,R)	0114161	Carbon film	1kΩ±5%	SRD%P	Q 101	0573510	2SC535(B)		
R 902(L,R)	0114293	Carbon film	330kΩ±5%	SRD%P	Q 102	0573507	2SC461(B)		
R 903(L,R)	0114153	Carbon film	820Ω±5%	SRD%P	Q 103	0573486	2SC460(B)		
R 904(L,R)	0114293	Carbon film	330kΩ±5%	SRD%P	Q 104	0573486	2SC460(B)		
R 905(L,R)	0114209	Carbon film	22kΩ±5%	SRD%P	Q 106	2320063	2SC458(C)		
R 906(L,R)	0114131	Carbon film	100Ω±5%	SRD%P	Q 107	2320063	2SC458(C)		
R 907(L,R)	0114165	Carbon film	1.5kΩ±5%	SRD%P	Q 108	0573486	2SC460(B)		
R 908(L,R)	0114205	Carbon film	15kΩ±5%	SRD%P	for PRE-AMP., AM-RF PRINTED WIRING BOARD				
R 911	0114175	Carbon film	3.9kΩ±5%	SRD%P	Q 201	0573486	2SC460(B)		
R 912	0114299	Carbon film	560kΩ±5%	SRD%P	Q 202	0573486	2SC460(B)		
R 913	0114219	Carbon film	56kΩ±5%	SRD%P	for AUDIO PRINTED WIRING BOARD				
R 914	0114139	Carbon film	220Ω±5%	SRD%P	Q 401(L,R)	2320073	2SC458LG(C)		
R 915	0114219	Carbon film	56kΩ±5%	SRD%P	Q 402(L,R)	2327363	2SC1345(E)		
R 916	0114169	Carbon film	2.2kΩ±5%	SRD%P	Q 601(L,R)	2320073	2SC458LG(C)		
for AUDIO PRINTED WIRING BOARD					Q 602(L,R)	2320073	2SC458LG(C)		
R 701(L,R)	0114175	Carbon film	3.9kΩ±5%	SRD%P	Q 901(L,R)	2320073	2SC458LG(C)		
R 702(L,R)	0114219	Carbon film	56kΩ±5%	SRD%P	Q 902(L,R)	2320073	2SC458LG(C)		
R 703(L,R)	0114285	Carbon film	150kΩ±5%	SRD%P	Q 903	2320073	2SC458LG(C)		
R 704(L,R)	0114285	Carbon film	150kΩ±5%	SRD%P	for AUDIO PRINTED WIRING BOARD				
R 705(L,R)	0114161	Carbon film	1kΩ±5%	SRD%P	* Q 701(L,R)	2327283	2SA673A(C)		
R 706(L,R)	0114055	Carbon film	39Ω±5%	SRD%P	○ Q 701(L,R)	2327387	2SA673AS(C)		
R 707(L,R)	0114177	Carbon film	4.7kΩ±5%	SRD%P	Q 702(L,R)	2327293	2SC1213A(C)		
R 708(L,R)	0114167	Carbon film	1.8kΩ±5%	SRD%P	* Q 704(L,R)	2327283	2SA673A(C)		
R 709(L,R)	0114167	Carbon film	1.8kΩ±5%	SRD%P	○ Q 704(L,R)	2327387	2SA673AS(C)		
R 710(L,R)	0114131	Carbon film	100Ω±5%	SRD%P	* Q 705(L,R)	2327203	2SC1060(C)		
*R 711(L,R)	0114171	Carbon film	2.7kΩ±5%	SRD%P	○ Q 705(L,R)	2327053	2SC1030(C)		
○R 711(L,R)	0114175	Carbon film	3.9kΩ±5%	SRD%P	* Q 706(L,R)	2327203	2SC1060(C)		
R 712(L,R)	0134289	Composition	10Ω±10%	RC%GF	○ Q 706(L,R)	2327053	2SC1030(C)		
R 713(L,R)	0114139	Carbon film	220Ω±5%	SRD%P	Q 801	2327203	2SC1060(C)		
R 714(L,R)	0134293	Composition	22Ω±10%	RC%GF					
R 715(L,R)	0114139	Carbon film	220Ω±5%	SRD%P					
R 716(L,R)	0119127	Metal	0.47Ω±10%	RN2P					
R 717(L,R)	0119127	Metal	0.47Ω±10%	RN2P					
R 718(L,R)	0134289	Composition	10Ω±10%	RC%GF					
R 719(L,R)	0114061	Carbon film	68Ω±5%	SRD%P					

MODEL SR-3400 SERVICE MANUAL
SR-5400

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SYMBOL NO.	STOCK NO.	DESCRIPTION			SYMBOL NO.	STOCK NO.	DESCRIPTION		
R 501(L,R)	0114179	Carbon film	5.6kΩ±5%	SRD½P	R 801	0119041	Metal	10Ω±10%	RN1P
R 502(L,R)	0114219	Carbon film	56kΩ±5%	SRD½P	R 802	0134366	Composition	270Ω±10%	RC½GF
R 503(L,R)	0114297	Carbon film	470kΩ±5%	SRD½P	R 803	0114179	Carbon film	5.6kΩ±5%	SRD½P
R 504(L,R)	0114281	Carbon film	100kΩ±5%	SRD½P	R 804	0114133	Carbon film	120Ω±5%	SRD½P
R 601(L,R)	0114143	Carbon film	330Ω±5%	SRD½P	* R 805	0111415	Metal oxide	560Ω±10%	RD2PA
R 602(L,R)	0114283	Carbon film	120kΩ±5%	SRD½P	○ R 805	0111417	Metal oxide	820Ω±10%	RD2PA
R 603(L,R)	0114283	Carbon film	120kΩ±5%	SRD½P	R 807	0134371	Composition	680Ω±10%	RC½GF
R 604(L,R)	0114201	Carbon film	10kΩ±5%	SRD½P	* R 808	0134377	Composition	2.2kΩ±10%	RC½GF
R 605(L,R)	0114295	Carbon film	390kΩ±5%	SRD½P	○ R 808	0134378	Composition	2.7kΩ±10%	RC½GF
R 606(L,R)	0114209	Carbon film	22kΩ±5%	SRD½P	LW ANTENNA PRINTED WIRING BOARD				
R 607(L,R)	0114161	Carbon film	1kΩ±5%	SRD½P	R 201	0138129	Carbon film	2.2kΩ±5%	SRD½SD
R 608(L,R)	0114289	Carbon film	220kΩ±5%	SRD½P	R 213	0138169	Carbon film	22kΩ±5%	SRD½SD
R 609(L,R)	0114201	Carbon film	10kΩ±5%	SRD½P	R 214	0138181	Carbon film	68kΩ±5%	SRD½SD
R 610(L,R)	0114207	Carbon film	18kΩ±5%	SRD½P	for CHASSIS ASSEMBLY				
R 611(L,R)	0114209	Carbon film	22kΩ±5%	SRD½P	R 1	0134366	Composition	270Ω±10%	RC½GF
R 612(L,R)	0114169	Carbon film	2.2kΩ±5%	SRD½P	R 2	0134366	Composition	270Ω±10%	RC½GF
R 613(L,R)	0114175	Carbon film	3.9kΩ±5%	SRD½P	R 3	0111951	Carbon film	4.7MΩ±5%	RK½P-S
R 614(L,R)	0114167	Carbon film	1.8kΩ±5%	SRD½P	R 3	0113197	Carbon film	4.7MΩ±5%	RD½P-S
R 615(L,R)	0114301	Carbon film	680kΩ±5%	SRD½P	TRANSISTORS				
R 616(L,R)	0114165	Carbon film	1.5kΩ±5%	SRD½P	FET 101	2327431	3SK45		
R 617(L,R)	0114181	Carbon film	6.8kΩ±5%	SRD½P	IC 101	2327312	HA1201		
R 618(L,R)	0114177	Carbon film	4.7kΩ±5%	SRD½P	IC 102	2327411	HA1202		
R 810	0134374	Composition	1.2kΩ±10%	RC½GF	IC 103	2327422	HA1115(W)		
R 811	0134374	Composition	1.2kΩ±10%	RC½GF	Q 101	0573510	2SC535(B)		
R 901(L,R)	0114161	Carbon film	1kΩ±5%	SRD½P	Q 102	0573507	2SC461(B)		
R 902(L,R)	0114293	Carbon film	330kΩ±5%	SRD½P	Q 103	0573486	2SC460(B)		
R 903(L,R)	0114153	Carbon film	820Ω±5%	SRD½P	Q 104	0573486	2SC460(B)		
R 904(L,R)	0114293	Carbon film	330kΩ±5%	SRD½P	Q 106	2320063	2SC458(C)		
R 905(L,R)	0114209	Carbon film	22kΩ±5%	SRD½P	Q 107	2320063	2SC458(C)		
R 906(L,R)	0114131	Carbon film	100Ω±5%	SRD½P	Q 108	0573486	2SC460(B)		
R 907(L,R)	0114165	Carbon film	1.5kΩ±5%	SRD½P	for PRE-AMP., AM-RF PRINTED WIRING BOARD				
R 908(L,R)	0114205	Carbon film	15kΩ±5%	SRD½P	Q 201	0573486	2SC460(B)		
R 911	0114175	Carbon film	3.9kΩ±5%	SRD½P	Q 202	0573486	2SC460(B)		
R 912	0114299	Carbon film	560kΩ±5%	SRD½P	Q 401(L,R)	2320073	2SC458LG(C)		
R 913	0114219	Carbon film	56kΩ±5%	SRD½P	Q 402(L,R)	2327363	2SC1345(E)		
R 914	0114139	Carbon film	220Ω±5%	SRD½P	Q 601(L,R)	2320073	2SC458LG(C)		
R 915	0114219	Carbon film	56kΩ±5%	SRD½P	Q 602(L,R)	2320073	2SC458LG(C)		
R 916	0114169	Carbon film	2.2kΩ±5%	SRD½P	Q 901(L,R)	2320073	2SC458LG(C)		
for AUDIO PRINTED WIRING BOARD					Q 902(L,R)	2320073	2SC458LG(C)		
R 701(L,R)	0114175	Carbon film	3.9kΩ±5%	SRD½P	Q 903	2320073	2SC458LG(C)		
R 702(L,R)	0114219	Carbon film	56kΩ±5%	SRD½P	for AUDIO PRINTED WIRING BOARD				
R 703(L,R)	0114285	Carbon film	150kΩ±5%	SRD½P	* Q 701(L,R)	2327283	2SA673A(C)		
R 704(L,R)	0114285	Carbon film	150kΩ±5%	SRD½P	○ Q 701(L,R)	2327387	2SA673AS(C)		
R 705(L,R)	0114161	Carbon film	1kΩ±5%	SRD½P	Q 702(L,R)	2327293	2SC1213A(C)		
R 706(L,R)	0114055	Carbon film	39Ω±5%	SRD½P	Q 703(L,R)	2327293	2SC1213A(C)		
R 707(L,R)	0114177	Carbon film	4.7kΩ±5%	SRD½P	* Q 704(L,R)	2327283	2SA673A(C)		
R 708(L,R)	0114167	Carbon film	1.8kΩ±5%	SRD½P	○ Q 704(L,R)	2327387	2SA673AS(C)		
R 709(L,R)	0114167	Carbon film	1.8kΩ±5%	SRD½P	Q 705(L,R)	2327203	2SC1060(C)		
R 710(L,R)	0114131	Carbon film	100Ω±5%	SRD½P	* Q 706(L,R)	2327203	2SC1030(C)		
*R 711(L,R)	0114171	Carbon film	2.7kΩ±5%	SRD½P	○ Q 706(L,R)	2327053	2SC1030(C)		
OR 711(L,R)	0114175	Carbon film	3.9kΩ±5%	SRD½P	Q 801	2327203	2SC1060(C)		
R 712(L,R)	0134289	Composition	10Ω±10%	RC½GF	for AUDIO PRINTED WIRING BOARD				
R 713(L,R)	0114139	Carbon film	220Ω±5%	SRD½P					
R 714(L,R)	0134293	Composition	22Ω±10%	RC½GF					
R 715(L,R)	0114139	Carbon film	220Ω±5%	SRD½P					
R 716(L,R)	0119127	Metal	0.47Ω±10%	RN2P					
R 717(L,R)	0119127	Metal	0.47Ω±10%	RN2P					
R 718(L,R)	0134289	Composition	10Ω±10%	RC½GF					
R 719(L,R)	0114061	Carbon film	68Ω±5%	SRD½P					