

SR-6100

HITACHI HI-FI COMPONENT STEREO PRE-SET RECEIVER MODEL SR-6100 SERVICE MANUAL

No. 82

1975

(additional print '76)

1. SPECIFICATIONS

FM SECTION

Frequency range	88 - 104MHz
Sensitivity	
Mono	12dB (S/N 46dB, DIN 45500)
Stereo	30dB (S/N 46dB, DIN 45500)
Image rejection	45dB
IF rejection	80dB
Harmonic distortion	
Mono	0.3%
Stereo	0.5%
Signal-to-noise ratio	65dB
Selectivity (IHF)	50dB
Stereo separation	40dB (1kHz)

AUDIO SECTION

Output	
RMS power	25W/ch+25W/ch (8 ohms) (Both channels driven) . . . 30W/ch+30W/ch (4 ohms) (at 1kHz, T.H.D. 1%)
Music power (IHF)	37W/ch+37W/ch (8 ohms, T.H.D. 1%)
Frequency characteristics (AUX)	20Hz - 30kHz (±3dB)
Harmonic distortion	0.06% (at ½ rated output)
Intermodulation distortion	0.25% (at ½ rated output)

Input sensitivity

(at rated output, 1kHz)

PHONO	2.5mV (47 k ohms)
AUX	150mV (45 k ohms)
TAPE-1	400mV (130 k ohms)
TAPE-2	400mV (130 k ohms)
Crosstalk (1kHz)	
PHONO	55dB
AUX	55dB
Signal-to-noise ratio	
PHONO	65dB
AUX	85dB
Damping factor	30 (1kHz, 8 ohms)
Equalizer	RIAA ±1dB
Bass control	±10dB (100Hz)
Treble control	±10dB (10kHz)
Loudness control	+9dB (100Hz), +4dB (10kHz)
Power supply	AC220 - 240V 50/60Hz
Power consumption	160W
Dimensions	383(W)×119(H)×309(D)mm
Weight	7.8kg

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

MODEL SR-6100 SERVICE MANUAL

2. FEATURES

1. Since soft-touch switches are employed, station selection can be done smoothly and easily.
2. With both 75 ohms and 300 ohms antenna terminals being provided, the set can be used with an antenna of any impedance.
3. Selectivity is improved sharply and the intermediate frequency amplifier of the tuner is given an excellent limiting characteristic by employing a differential 4-stage amplifier composed of ICs and four ceramic filter elements with excellent phase characteristics. And, quadrature detection using ICs provides a wide band-width and low distortion.
4. Since the newly developed PLL (Phase Locked Loop) into which Hitachi's IC technology was concentrated is employed for the multi-circuit, high separation and low distortion are obtained together with

stability against ambient temperature and secular changes.

5. Reception of broadcasts has become easier by use of the tuning lamp. Broadcasts are received with low distortion within the range in which the lamp lights.
6. Equalizer circuit and the drive-stage of the main amplifier are high S/N ratio circuits using low noise and high dynamic range dual power(positive/negative) IC.
7. All-stage direct-connection inverted Darlington OCL circuit, which uses NPN, PNP silicone transistors with good linearity, is employed to improve frequency characteristic, power band-width and distortion.
8. With two tape decks connected, tape dubbing is possible.

3. FRONT AND REAR PANEL

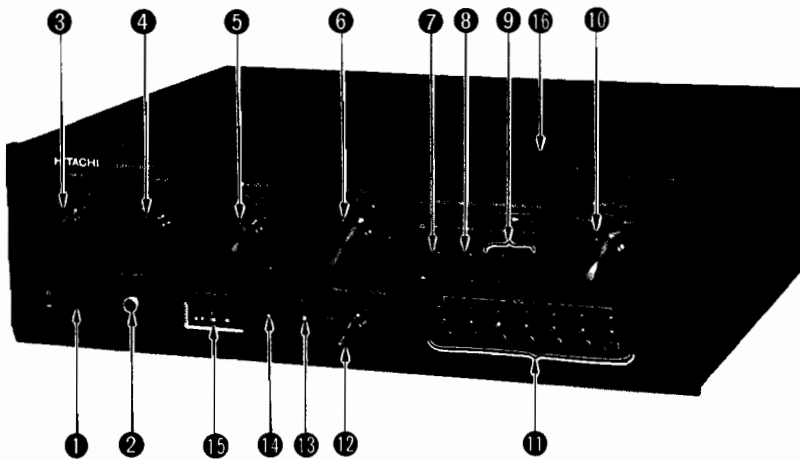


Fig. 1

- ① POWER SWITCH
- ② PHONES JACK
- ③ BASS CONTROL
- ④ TREBLE CONTROL
- ⑤ BALANCE CONTROL
- ⑥ VOLUME CONTROL
- ⑦ LOUDNESS SWITCH
- ⑧ MODE SWITCH
- ⑨ TAPE MONITOR SWITCH
- ⑩ FUNCTION SWITCH
- ⑪ STATION SELECTOR SWITCH
- ⑫ MANUAL TUNING KNOB
- ⑬ FM STEREO INDICATOR
- ⑭ TUNING INDICATOR
- ⑮ FREQUENCY METER
- ⑯ PRE-SET VOLUME

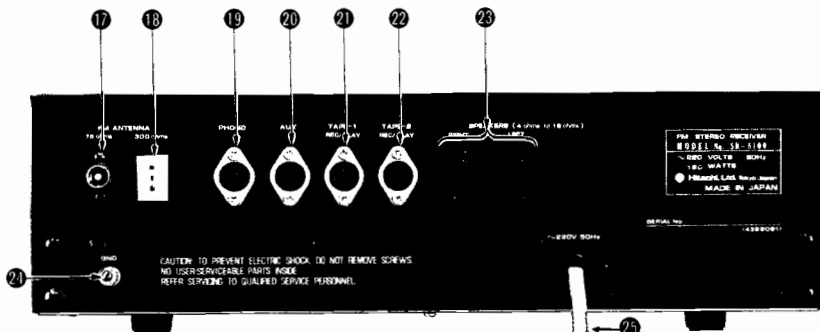


Fig. 2

- ⑰ 75 OHMS FM ANTENNA SOCKET
- ⑱ 300 OHMS FM ANTENNA SOCKET
- ⑲ PHONO INPUT SOCKET
- ⑳ AUX INPUT SOCKET
- ㉑ TAPE-1 DIN REC/PLAY SOCKET
- ㉒ TAPE-2 DIN REC/PLAY SOCKET
- ㉓ DIN SPEAKER SOCKET
- ㉔ EARTH TERMINAL
- ㉕ AC POWER CORD

4. GENERAL ALIGNMENT INSTRUCTION

TUNER printed wiring board

PRE-SET printed wiring board

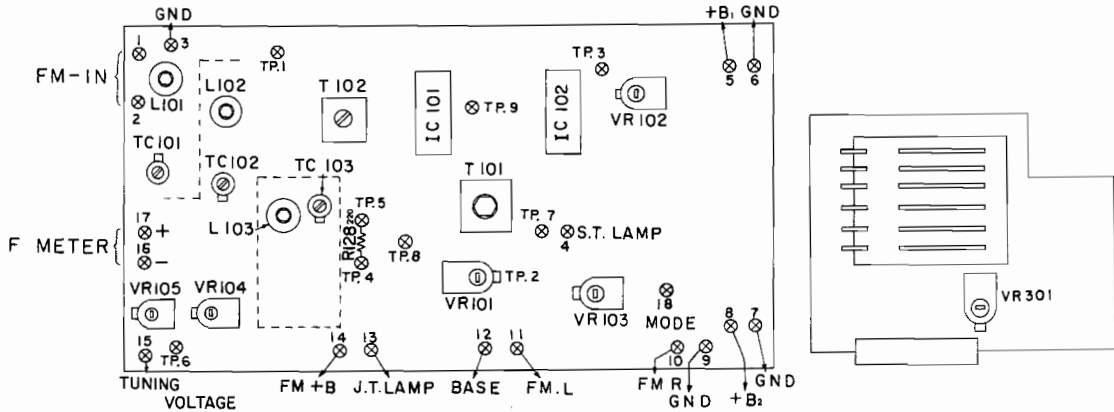


Fig. 3

4-1 FM TUNER ALIGNMENT

Set VR101, 102, 103, 104, 105 and 301 on the pre-set printed wiring board to their central positions (12 o'clock) before adjusting. Disconnect the circuit between TP7 and TP8.
Set the station selector to MANUAL position, ordinarily.

Steps	Item	Measuring Instrument	Input Terminal	Output Terminal	Frequency	Adjust	Wave Form
1	(1) "S" curve IF Amplifier	10.7MHz ±150kHz Sweep Generator	TP1	TP2 (VR101)	87.5MHz	T102	CAUTION (1)
	(2) "S" curve IF Amplifier	10.7MHz ±150kHz Sweep Generator	TP1	TP2 (VR101)	87.5MHz	T101	CAUTION (2)
2	(1) Covering voltage	DC balance meter	-	TP6	STATION; Manual Manual Tuning Knob; MIN.	VR301	Adjust VR301 so that the output voltage of TP6 is 1.5V±0.02V.
	(2) Frequency Meter	None	-	-	Same as above.	VR105	Adjust VR105 so that pointer of Frequency Meter will be as in Fig. 4.
	(3) Covering (87.5MHz)	FM Signal Generator 87.5MHz 400Hz Input 20dB 100% modulated VTVM	FM IN	TAPE OUT or SP OUT	87.5MHz (Manual Tuning) Knob; MIN.	L103	Output MAX.
	(4) Frequency Meter	None	-	-	STATION; Manual Manual Tuning Knob; MAX.	VR104	Adjust VR104 so that pointer of Frequency Meter will be as in Fig. 5.
	(5) Covering (104.7MHz)	FM Signal Generator 104.7MHz 400Hz Input 20dB 100% modulated VTVM	FM IN	TAPE OUT or SP OUT	104.7MHz (Manual Tuning) Knob; MAX.	TC103	Output MAX.
	(6)						Repeat (3) & (5)

MODEL SR-6100 SERVICE MANUAL

CAUTIONS

- (1) Connect the DC balance meter to TP9 and apply an input signal such that the output becomes approximately 30mV. And by the core of the T102, adjust it so that the gain will be max.
- (2) Adjust the primary (lower) and secondary (upper) cores of T101 to correct the waveform to that shown in Fig. 4.

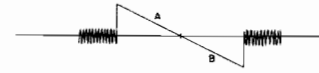


Fig. 4

Note: Since a ceramic filter is used, sometimes the center of the marker and S curve do not match. Adjust it so that A and B become symmetrical and adjust it as the straight line can be gained.

- (3) Apply the pilot and L channel signals from the stereo modulator and adjust VR103 so that the R channel output is minimized. When the R channel signal is applied in this condition and balance cannot be obtained, adjust VR103 so that both channels have approximately the same value.

(Connection of V.T.V.M.: Connect to the L channel when R channel signal is input and to R channel when L channel is input.)

- (4) This adjustment is performed only for sets with a distortion of 1-3% when a stereo signal is applied. Set the signal generator in the same way as when the separation is being adjusted and finely adjust the core of T102 so that the distortion is minimum.

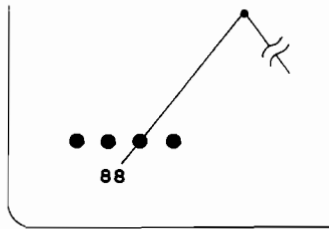


Fig. 5

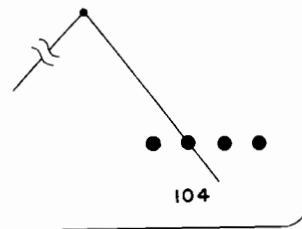
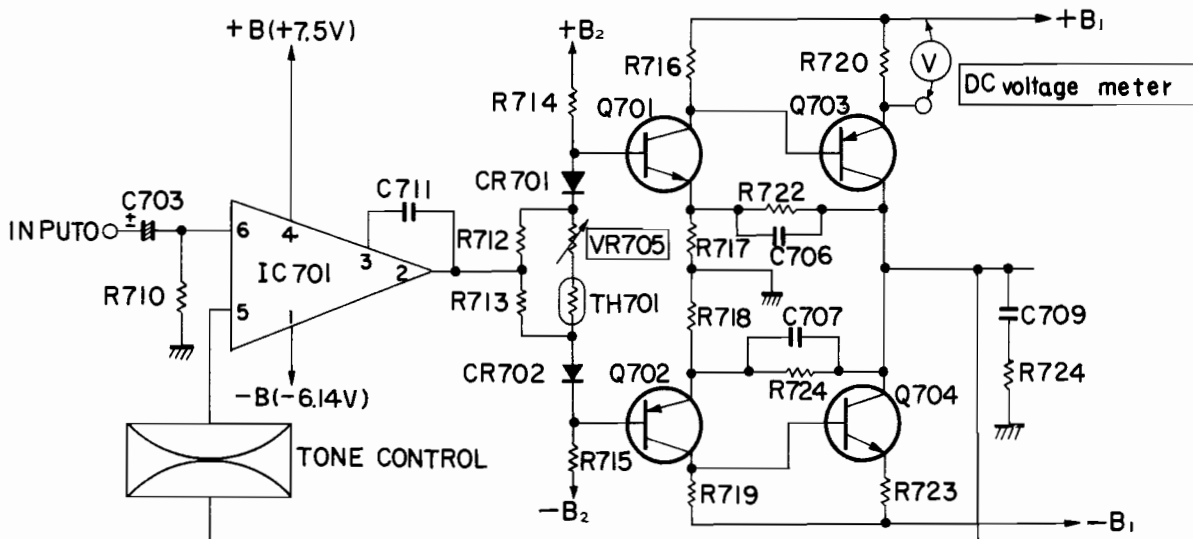


Fig. 6

4-2 AUDIO CIRCUIT ALIGNMENT

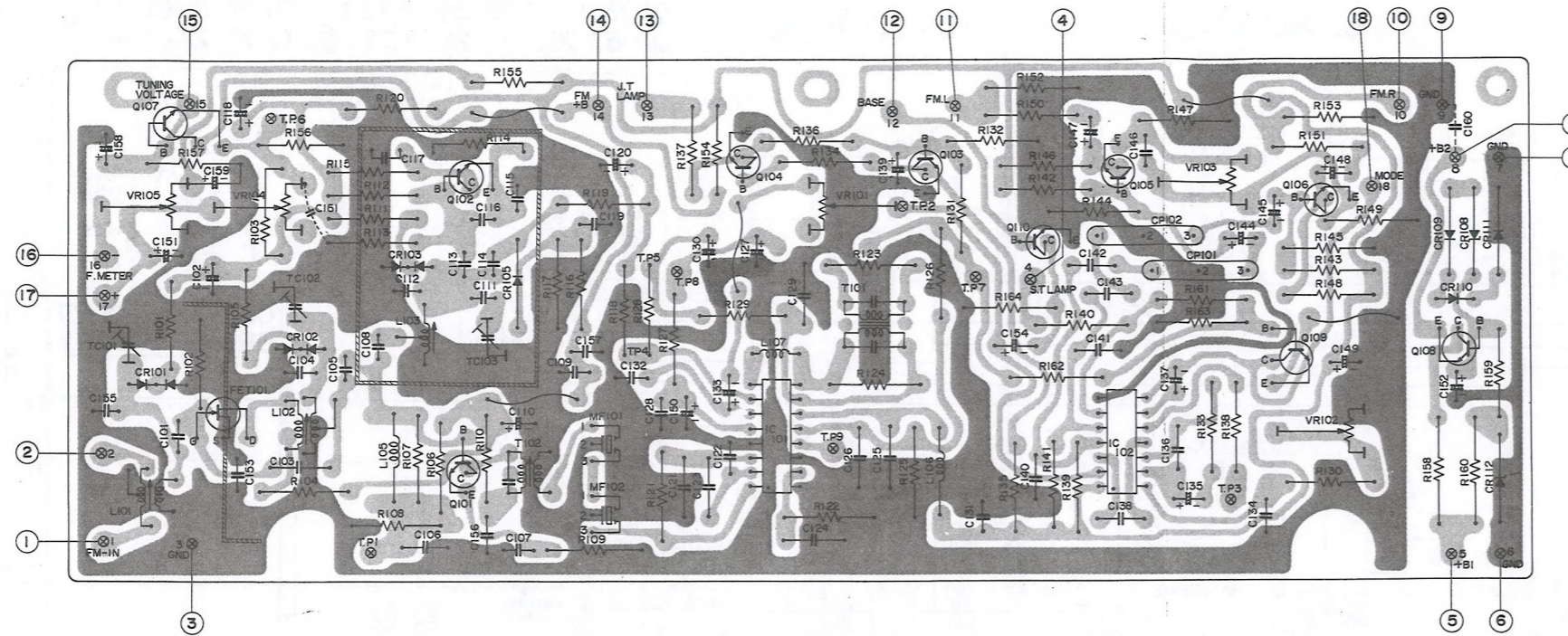
Item	Measuring Instrument	Points to be Measured	Adjust	Value Adjusted
Idle current	DC volt meter	R720L, R (R723L, R)	VR705L, R	20±10mV (40±20mA)



(This figure shows L channel only.)

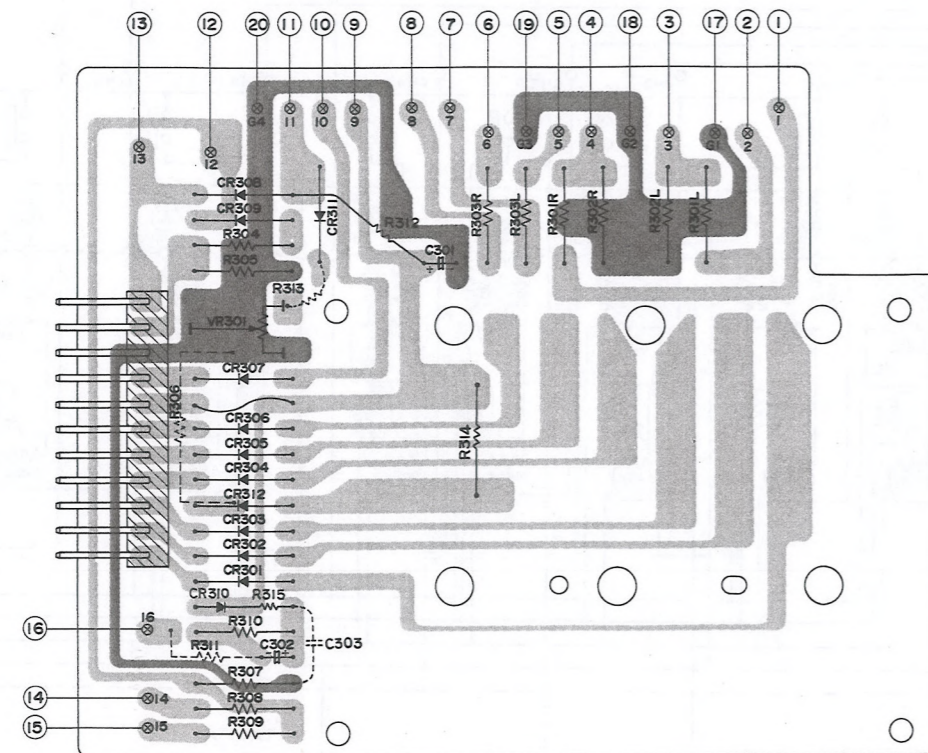
Fig. 7

5. TUNER PRINTED WIRING BOARD



- ① FM INPUT
- ② FM INPUT
- ③ EARTH
- ④ STEREO INDICATOR LAMP
- ⑤ +B₁ (+28.8V)
- ⑥ EARTH
- ⑦ EARTH
- ⑧ +B₂ (+13.0V)
- ⑨ EARTH
- ⑩ FM OUTPUT (R)
- ⑪ FM OUTPUT (L)
- ⑫ Q110 (BASE)
- ⑬ TUNING LAMP
- ⑭ FM +B (+13.0V)
- ⑮ TUNING VOLTAGE
- ⑯ FREQUENCY METER (-)
- ⑰ FREQUENCY METER (+)
- ⑱ MODE (MONO-STEREO)

6. PRE-SET PRINTED WIRING BOARD

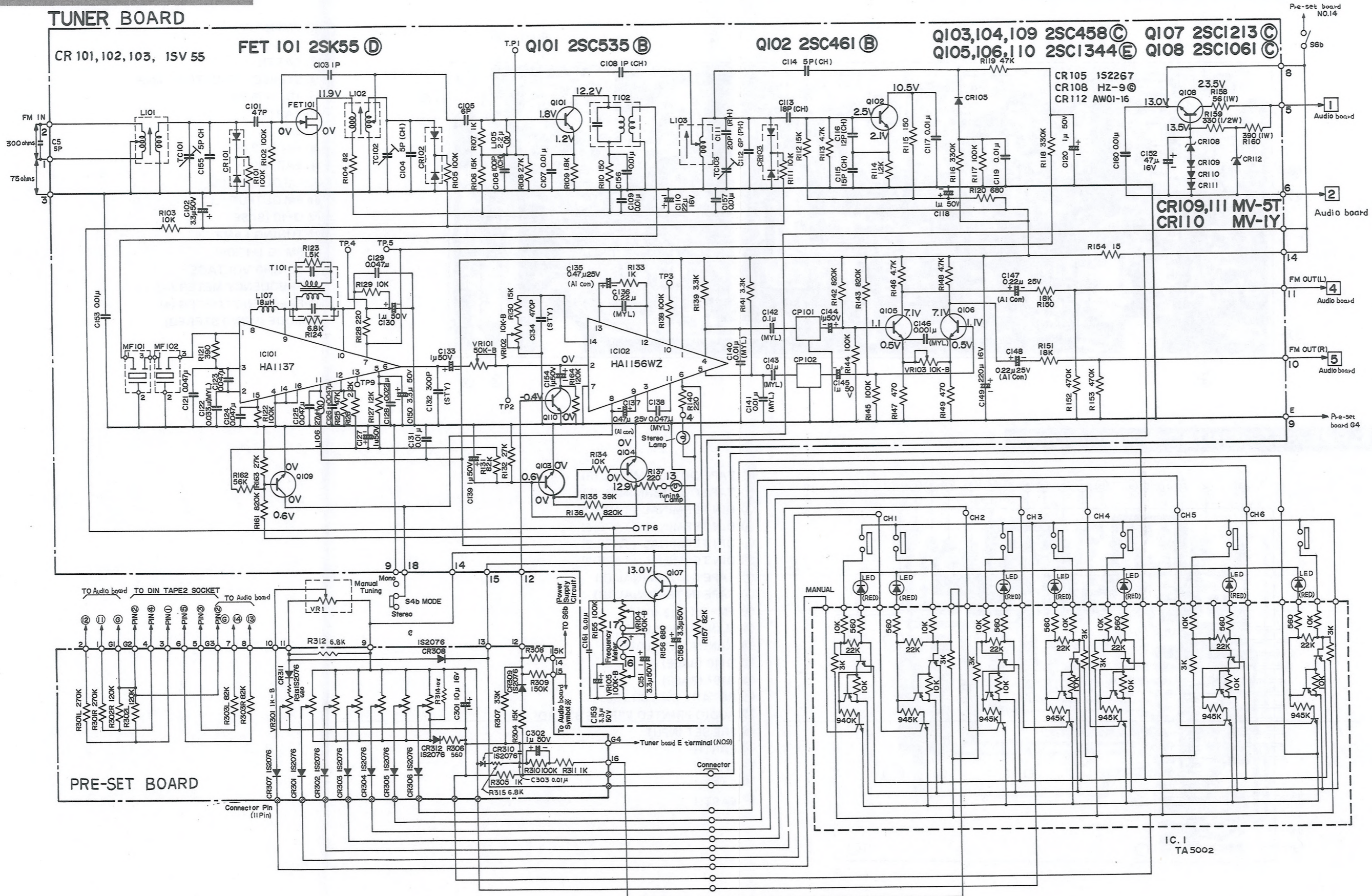


- ① TAPE OUT TERMINAL (R)
- ② TAPE OUT TERMINAL (L)
- ③ DIN TERMINAL (TAPE-2)
- ④ DIN TERMINAL (TAPE-2)
- ⑤ DIN TERMINAL (TAPE-2)
- ⑥ DIN TERMINAL (TAPE-2)
- ⑦ TAPE IN TERMINAL (L)
- ⑧ TAPE IN TERMINAL (R)
- ⑨ FM+B (+13.0V)
- ⑩ MANUAL VOLUME
- ⑪ MANUAL VOLUME
- ⑫ Q110 (BASE)
- ⑬ Q107 (BASE)
- ⑭ ROTARY SWITCH (S6b)
- ⑮ AUDIO PRINTED WIRING BOARD
- ⑯ PRE-SET INPUT
- ⑰ EARTH
- ⑱ EARTH
- ⑲ EARTH
- ⑳ EARTH

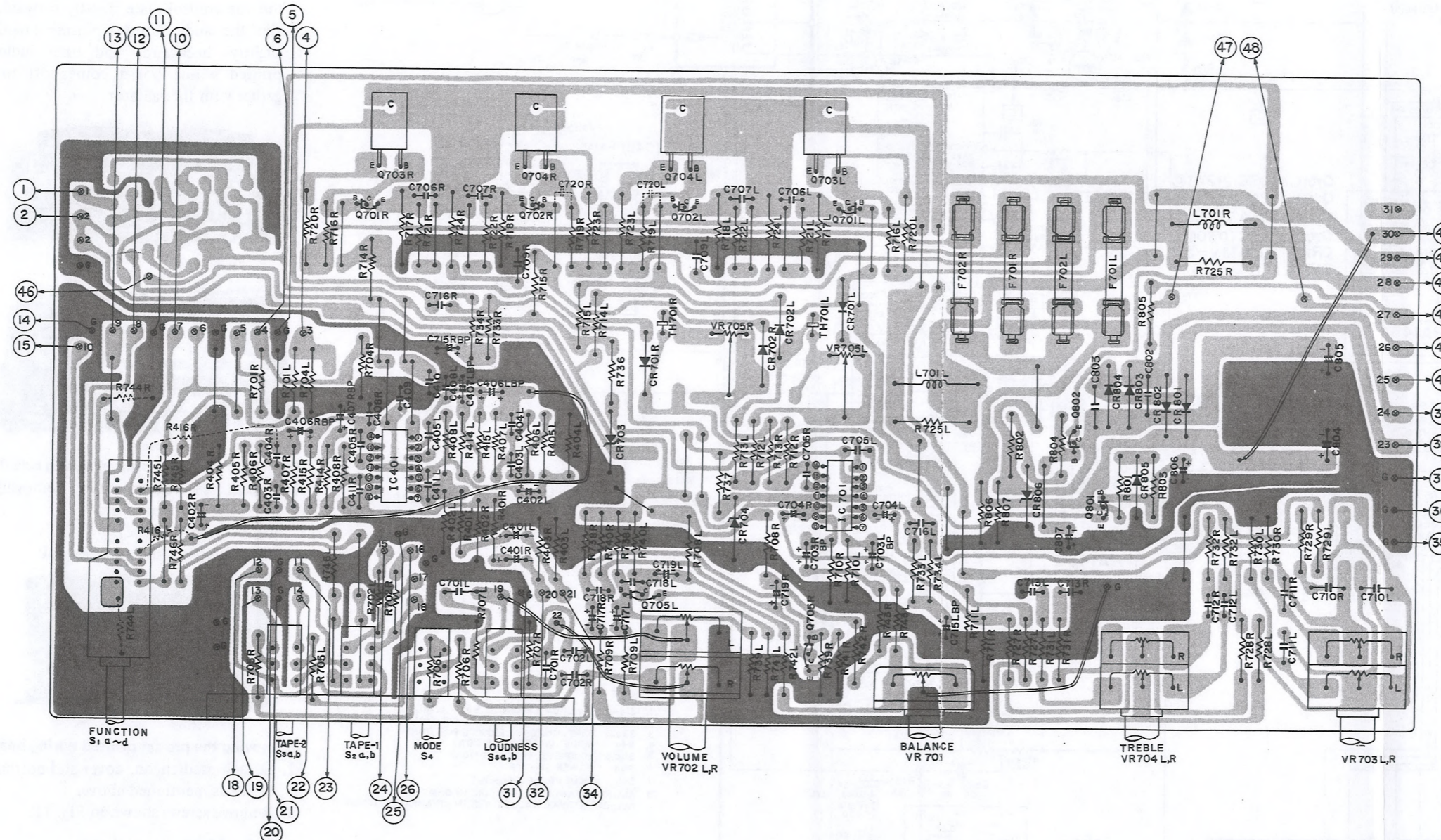
7. TUNER CIRCUIT DIAGRAM

6

5



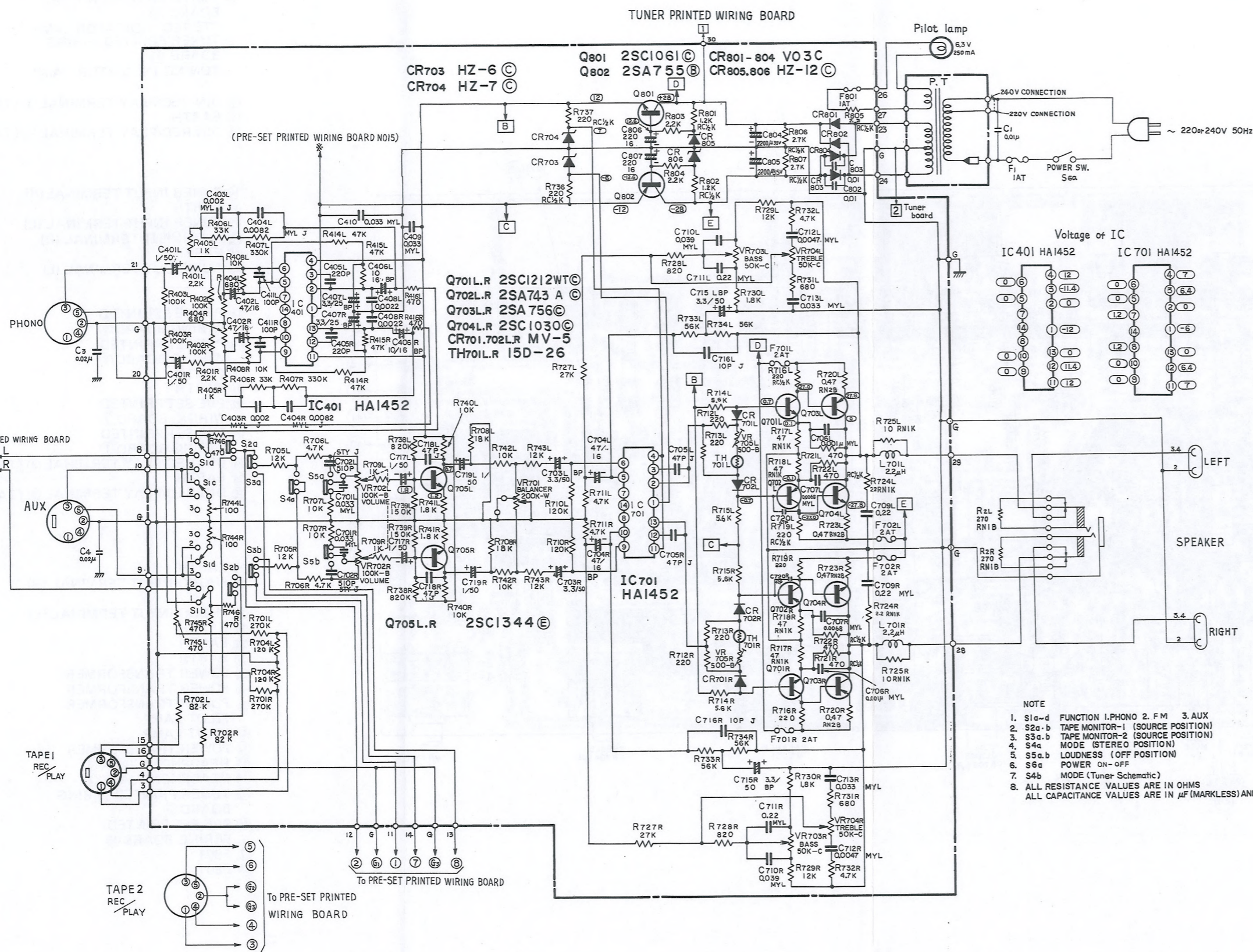
8. AUDIO PRINTED WIRING BOARD



- ① TUNER PRINTED WIRING BOARD ④
- ② TUNER PRINTED WIRING BOARD ⑬
- ④ DIN REC/PLAY TERMINAL ① (TAPE-I)
- ⑤ EARTH
- ⑥ DIN REC/PLAY TERMINAL ④ (TAPE-I)
- ⑩ TUNER INPUT TERMINAL (R)
- ⑪ EARTH
- ⑫ TUNER INPUT TERMINAL (L)
- ⑬ AUX INPUT TERMINAL (R)
- ⑭ EARTH
- ⑮ AUX INPUT TERMINAL (L)
- ⑱ PRE-SET PRINTED WIRING BOARD ②
- ⑲ PRE-SET PRINTED WIRING BOARD ⑧
- ⑳ EARTH
- ㉑ EARTH
- ㉒ PRE-SET PRINTED WIRING BOARD ⑦
- ㉓ PRE-SET PRINTED WIRING BOARD ①
- ㉔ DIN REC/PLAY TERMINAL ③ (TAPE-I)
- ㉕ EARTH
- ㉖ DIN REC/PLAY TERMINAL ⑤ (TAPE-I)
- ㉗ EARTH
- ㉘ PHONO INPUT TERMINAL (R)
- ㉙ PHONO INPUT TERMINAL (L)
- ㉚ EARTH
- ㉛ EARTH
- ㉜ EARTH
- ㉝ EARTH
- ㉞ POWER TRANSFORMER
- ㉟ POWER TRANSFORMER
- ㊱ POWER TRANSFORMER
- ㊲ PILOT LAMP
- ㊳ PILOT LAMP
- ㊴ POWER TRANSFORMER
- ㊵ HEADPHONE JACK ⑥
- ㊶ HEADPHONE JACK ②
- ㊷ TUNER PRINTED WIRING BOARD ⑤
- ㊸ PRE-SET PRINTED WIRING BOARD ⑬
- ㊹ F801
- ㊺ F801

9. AUDIO CIRCUIT DIAGRAM

10. DISASSEMBLY INSTRUCTIONS



Removing the audio printed wiring board

1. Detach escutcheon after removing cover and bottom board. (Remove escutcheon fixing screws after pulling off knobs).
2. Remove screws and nuts shown in Fig. 8.
3. Remove screws shown in Fig. 9, pull out the control plate slightly forward, slip the audio printed wiring board slightly backward, and the audio printed wiring board comes off together with the radiator.

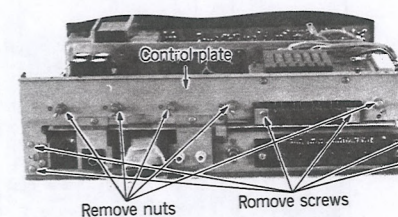


Fig. 8

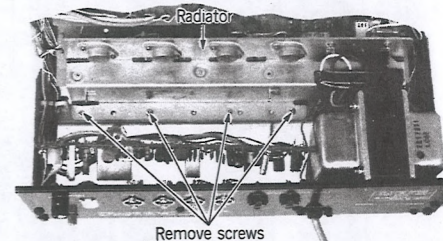


Fig. 9

Removing the tuner printed wiring board

1. Detach escutcheon after removing cover and bottom board. (as mentioned above)
2. Remove screws shown in Fig. 10.

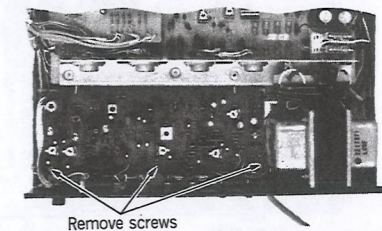


Fig. 10

Removing the pre-set printed wiring board

1. Detach escutcheon, cover and bottom board as mentioned above.
2. Remove screws shown in Fig. 11.

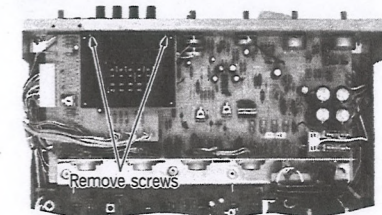


Fig. 11

MODEL SR-6100 SERVICE MANUAL

11. REPLACEMENT PARTS LIST

SYMBOL NO.	STOCK NO.	DESCRIPTION	SYMBOL NO.	STOCK NO.	DESCRIPTION
CAPACITORS					
for TUNER PRINTED WIRING BOARD					
C101	0248676	Ceramic, discal	C143	0276011	Mylar, film
C102	0252813	Electrolytic	C144	0252811	Electrolytic
C103	0231201	Ceramic, discal	C145	0252811	Electrolytic
C104	0246415	Ceramic, discal	C146	0274011	Mylar, film
C105	0248636	Ceramic, discal	C147	0251923	Aluminum Solid
C106	0246464	Ceramic, discal	C148	0251923	Aluminum Solid
C107	0245017	Ceramic, discal	C149	0252532	Electrolytic
C108	0246411	Ceramic, discal	C150	0252813	Electrolytic
C109	0245017	Ceramic, discal	C151	0252813	Electrolytic
C110	0252522	Electrolytic	C152	0252525	Electrolytic
C111	0248037	Ceramic, discal	C153	0245017	Ceramic, discal
C112	0246676	Ceramic, discal	C154	0252811	Electrolytic
C113	0246446	Ceramic, discal	C155	0246415	Ceramic, discal
C114	0246415	Ceramic, discal	C156	0245017	Ceramic, discal
C115	0246444	Ceramic, discal	C157	0245017	Ceramic, discal
C116	0246442	Ceramic, discal	C158	0252813	Electrolytic
C117	0245017	Ceramic, discal	C159	0252813	Electrolytic
C118	0252811	Electrolytic	C160	0245017	Ceramic, discal
C119	0245017	Ceramic, discal	C161	0245017	Ceramic, discal
C120	0252811	Electrolytic	for PRE-SET PRINTED WIRING BOARD		
C121	0244175	Ceramic, discal	C301	0252521	Electrolytic
C122	0275014	Mylar, film	C302	0252811	Electrolytic
C123	0244175	Ceramic, discal	C303	0245017	Ceramic, discal
C124	0244175	Ceramic, discal	for AUDIO PRINTED WIRING BOARD		
C125	0244175	Ceramic, discal	C401(L,R)	0252811	Electrolytic
C126	0244175	Ceramic, discal	C402(L,R)	0252525	Electrolytic
C127	0252811	Electrolytic	C403(L,R)	0274242	Mylar, film
C128	0245018	Ceramic, discal	C404(L,R)	0274236	Mylar, film
C129	0244175	Ceramic, discal	C405(L,R)	0248732	Ceramic, discal
C130	0252811	Electrolytic	C406(L,R)	0257145	Electrolytic
C131	0245017	Ceramic, discal	C407(L,R)	0257163	Electrolytic
C132	0228322	Styrol	C408(L,R)	0274013	Mylar, film
C133	0252811	Electrolytic	C409	0275014	Mylar, film
C134	0221522	Styrol	C410	0275014	Mylar, film
C135	0251955	Aluminum solid	C411(L,R)	0248724	Ceramic, discal
C136	0276013	Mylar, film	C701(L,R)	0275014	Mylar, film
C137	0251955	Aluminum solid	C702(L,R)	0228328	Mylar, film
C138	0275015	Mylar, film	C703(L,R)	0257183	Electrolytic
C139	0252811	Electrolytic	C704(L,R)	0252525	Electrolytic
C140	0275211	Mylar, film	C705(L,R)	0248676	Ceramic, discal
C141	0275211	Mylar, film	C706(L,R)	0274011	Mylar, film
C142	0276011	Mylar, film	C707(L,R)	0274316	Mylar, film
			C709(L,R)	0276013	Mylar, film
			C710(L,R)	0275034	Mylar, film
			C711(L,R)	0276013	Mylar, film
			C712(L,R)	0274015	Mylar, film
			C713(L,R)	0275014	Mylar, film
			C715(L,R)	0257183	Electrolytic
			C716(L,R)	0248650	Ceramic, discal
			C717(L,R)	0252811	Electrolytic
			C718(L,R)	0248676	Ceramic, discal

MODEL SR-6100 SERVICE MANUAL

SYMBOL NO.	STOCK NO.	DESCRIPTION			SYMBOL NO.	STOCK NO.	DESCRIPTION		
C719(L,R)	0252811	Electrolytic	1 μ F	50V	R148	0114177	Carbon film	4.7k Ω \pm 5%	SRD $\frac{1}{4}$ P
C720(L,R)	0248676	Ceramic, discal	47pF \pm 5%	50V	R149	0114147	Carbon film	470 Ω \pm 5%	SRD $\frac{1}{4}$ P
C802	0245408	Ceramic, discal	0.01 μ F \pm 20%	500V	R150	0114207	Carbon film	18k Ω \pm 5%	SRD $\frac{1}{4}$ P
C803	0245408	Ceramic, discal	0.01 μ F \pm 20%	500V	R151	0114207	Carbon film	18k Ω \pm 5%	SRD $\frac{1}{4}$ P
C804	0252742	Electrolytic	2200 μ F	35V	R152	0114297	Carbon film	470k Ω \pm 5%	SRD $\frac{1}{4}$ P
C805	0252742	Electrolytic	2200 μ F	35V	R153	0114297	Carbon film	470k Ω \pm 5%	SRD $\frac{1}{4}$ P
C806	0252532	Electrolytic	220 μ F	16V	R154	0114045	Carbon film	15 Ω \pm 5%	SRD $\frac{1}{4}$ P
C807	0252532	Electrolytic	220 μ F	16V	R155	0114281	Carbon film	100k Ω \pm 5%	SRD $\frac{1}{4}$ P
for CHASSIS ASSEMBLY					R156	0114151	Carbon film	680 Ω \pm 5%	SRD $\frac{1}{4}$ P
C1	0261201	Metalized paper	0.01 μ F \pm 20%	250V	R157	0114223	Carbon film	82k Ω \pm 5%	SRD $\frac{1}{4}$ P
C3	0245018	Ceramic, discal	0.02 μ F \pm 20%	25V	R158	0119410	Metal oxide	56 Ω \pm 10%	RD1PA
C4	0245018	Ceramic, discal	0.02 μ F \pm 20%	25V	R159	0134367	Composition	330 Ω \pm 10%	RC $\frac{1}{2}$ GF
C5	0248635	Ceramic, discal	5pF \pm 0.25pF	50V	R160	0119428	Metal oxide	390 Ω \pm 10%	RD1PA
RESISTORS					R161	0114303	Carbon film	820k Ω \pm 5%	SRD $\frac{1}{4}$ P
for TUNER PRINTED WIRING BOARD					R162	0114219	Carbon film	56k Ω \pm 5%	SRD $\frac{1}{4}$ P
R101	0114281	Carbon film	100k Ω \pm 5%	SRD $\frac{1}{4}$ P	R163	0114211	Carbon film	27k Ω \pm 5%	SRD $\frac{1}{4}$ P
R102	0114281	Carbon film	100k Ω \pm 5%	SRD $\frac{1}{4}$ P	R164	0114283	Carbon film	120k Ω \pm 5%	SRD $\frac{1}{4}$ P
R103	0114201	Carbon film	10k Ω \pm 5%	SRD $\frac{1}{4}$ P	for PRE SET PRINTED WIRING BOARD				
R104	0114063	Carbon film	82 Ω \pm 5%	SRD $\frac{1}{4}$ P	R301(L,R)	0114291	Carbon film	270k Ω \pm 5%	SRD $\frac{1}{4}$ P
R105	0114281	Carbon film	100k Ω \pm 5%	SRD $\frac{1}{4}$ P	R302(L,R)	0114283	Carbon film	120k Ω \pm 5%	SRD $\frac{1}{4}$ P
R106	0114205	Carbon film	15k Ω \pm 5%	SRD $\frac{1}{4}$ P	R303(L,R)	0114223	Carbon film	82k Ω \pm 5%	SRD $\frac{1}{4}$ P
R107	0114161	Carbon film	1k Ω \pm 5%	SRD $\frac{1}{4}$ P	R304	0114205	Carbon film	15k Ω \pm 5%	SRD $\frac{1}{4}$ P
R108	0114171	Carbon film	2.7k Ω \pm 5%	SRD $\frac{1}{4}$ P	R305	0114161	Carbon film	1k Ω \pm 5%	SRD $\frac{1}{4}$ P
R109	0114167	Carbon film	1.8k Ω \pm 5%	SRD $\frac{1}{4}$ P	R306	0114149	Carbon film	560 Ω \pm 5%	SRD $\frac{1}{4}$ P
R110	0114135	Carbon film	150 Ω \pm 5%	SRD $\frac{1}{4}$ P	R307	0114213	Carbon film	33k Ω \pm 5%	SRD $\frac{1}{4}$ P
R111	0114201	Carbon film	10k Ω \pm 5%	SRD $\frac{1}{4}$ P	R308	0114205	Carbon film	15k Ω \pm 5%	SRD $\frac{1}{4}$ P
R112	0114205	Carbon film	15k Ω \pm 5%	SRD $\frac{1}{4}$ P	R309	0114285	Carbon film	150k Ω \pm 5%	SRD $\frac{1}{4}$ P
R113	0114177	Carbon film	4.7k Ω \pm 5%	SRD $\frac{1}{4}$ P	R310	0114281	Carbon film	100k Ω \pm 5%	SRD $\frac{1}{4}$ P
R114	0114163	Carbon film	1.2k Ω \pm 5%	SRD $\frac{1}{4}$ P	R311	0114161	Carbon film	1k Ω \pm 5%	SRD $\frac{1}{4}$ P
R115	0114135	Carbon film	150 Ω \pm 5%	SRD $\frac{1}{4}$ P	R312	0114181	Carbon film	6.8k Ω \pm 5%	SRD $\frac{1}{4}$ P
R116	0114293	Carbon film	330k Ω \pm 5%	SRD $\frac{1}{4}$ P	R313	0114151	Carbon film	680 Ω \pm 5%	SRD $\frac{1}{4}$ P
R117	0114281	Carbon film	100k Ω \pm 5%	SRD $\frac{1}{4}$ P	R314	0114201	Carbon film	10k Ω \pm 5%	SRD $\frac{1}{4}$ P
R118	0114293	Carbon film	330k Ω \pm 5%	SRD $\frac{1}{4}$ P	R315	0114181	Carbon film	6.8k Ω \pm 5%	SRD $\frac{1}{4}$ P
R119	0114217	Carbon film	47k Ω \pm 5%	SRD $\frac{1}{4}$ P	for AUDIO PRINTED WIRING BOARD				
R120	0114151	Carbon film	680 Ω \pm 5%	SRD $\frac{1}{4}$ P	R401(L,R)	0114169	Carbon film	2.2k Ω \pm 5%	SRD $\frac{1}{4}$ P
R121	0114145	Carbon film	390 Ω \pm 5%	SRD $\frac{1}{4}$ P	R402(L,R)	0114281	Carbon film	100k Ω \pm 5%	SRD $\frac{1}{4}$ P
R122	0114281	Carbon film	100k Ω \pm 5%	SRD $\frac{1}{4}$ P	R403(L,R)	0114281	Carbon film	100k Ω \pm 5%	SRD $\frac{1}{4}$ P
R123	0114165	Carbon film	1.5k Ω \pm 5%	SRD $\frac{1}{4}$ P	R404(L,R)	0114151	Carbon film	680 Ω \pm 5%	SRD $\frac{1}{4}$ P
R124	0114181	Carbon film	6.8k Ω \pm 5%	SRD $\frac{1}{4}$ P	R405(L,R)	0114161	Carbon film	1k Ω \pm 5%	SRD $\frac{1}{4}$ P
R125	0114127	Carbon film	47k Ω \pm 5%	SRD $\frac{1}{4}$ P	R406(L,R)	0114213	Carbon film	33k Ω \pm 5%	SRD $\frac{1}{4}$ P
R126	0114169	Carbon film	2.2k Ω \pm 5%	SRD $\frac{1}{4}$ P	R407(L,R)	0114293	Carbon film	330k Ω \pm 5%	SRD $\frac{1}{4}$ P
R127	0114203	Carbon film	12k Ω \pm 5%	SRD $\frac{1}{4}$ P	R408(L,R)	0114201	Carbon film	10k Ω \pm 5%	SRD $\frac{1}{4}$ P
R128	0114139	Carbon film	220 Ω \pm 5%	SRD $\frac{1}{4}$ P	R414(L,R)	0114217	Carbon film	47k Ω \pm 5%	SRD $\frac{1}{4}$ P
R129	0114201	Carbon film	10k Ω \pm 5%	SRD $\frac{1}{4}$ P	R415(L,R)	0114217	Carbon film	47k Ω \pm 5%	SRD $\frac{1}{4}$ P
R130	0114205	Carbon film	15k Ω \pm 5%	SRD $\frac{1}{4}$ P	R416(L,R)	0114147	Carbon film	470 Ω \pm 5%	SRD $\frac{1}{4}$ P
R131	0114223	Carbon film	82k Ω \pm 5%	SRD $\frac{1}{4}$ P	R701(L,R)	0114291	Carbon film	270k Ω \pm 5%	SRD $\frac{1}{4}$ P
R132	0114211	Carbon film	27k Ω \pm 5%	SRD $\frac{1}{4}$ P	R702(L,R)	0114223	Carbon film	82k Ω \pm 5%	SRD $\frac{1}{4}$ P
R133	0114161	Carbon film	1k Ω \pm 5%	SRD $\frac{1}{4}$ P	R704(L,R)	0114283	Carbon film	120k Ω \pm 5%	SRD $\frac{1}{4}$ P
R134	0114201	Carbon film	10k Ω \pm 5%	SRD $\frac{1}{4}$ P	R705(L,R)	0114203	Carbon film	12k Ω \pm 5%	SRD $\frac{1}{4}$ P
R135	0114215	Carbon film	39k Ω \pm 5%	SRD $\frac{1}{4}$ P	R706(L,R)	0114177	Carbon film	4.7k Ω \pm 5%	SRD $\frac{1}{4}$ P
R136	0114303	Carbon film	820k Ω \pm 5%	SRD $\frac{1}{4}$ P	R707(L,R)	0114201	Carbon film	10k Ω \pm 5%	SRD $\frac{1}{4}$ P
R137	0114139	Carbon film	220 Ω \pm 5%	SRD $\frac{1}{4}$ P	R708(L,R)	0114207	Carbon film	18k Ω \pm 5%	SRD $\frac{1}{4}$ P
R138	0114281	Carbon film	100k Ω \pm 5%	SRD $\frac{1}{4}$ P	R709(L,R)	0114161	Carbon film	1k Ω \pm 5%	SRD $\frac{1}{4}$ P
R139	0114173	Carbon film	3.3k Ω \pm 5%	SRD $\frac{1}{4}$ P	R710(L,R)	0114283	Carbon film	120k Ω \pm 5%	SRD $\frac{1}{4}$ P
R140	0114139	Carbon film	220 Ω \pm 5%	SRD $\frac{1}{4}$ P	R711(L,R)	0114177	Carbon film	4.7k Ω \pm 5%	SRD $\frac{1}{4}$ P
R141	0114173	Carbon film	3.3k Ω \pm 5%	SRD $\frac{1}{4}$ P	R712(L,R)	0114139	Carbon film	220 Ω \pm 5%	SRD $\frac{1}{4}$ P
R142	0114303	Carbon film	820k Ω \pm 5%	SRD $\frac{1}{4}$ P	R713(L,R)	0114139	Carbon film	220 Ω \pm 5%	SRD $\frac{1}{4}$ P
R143	0114303	Carbon film	820k Ω \pm 5%	SRD $\frac{1}{4}$ P	R714(L,R)	0114179	Carbon film	5.6k Ω \pm 5%	SRD $\frac{1}{4}$ P
R144	0114281	Carbon film	100k Ω \pm 5%	SRD $\frac{1}{4}$ P	R715(L,R)	0114179	Carbon film	5.6k Ω \pm 5%	SRD $\frac{1}{4}$ P
R145	0114281	Carbon film	100k Ω \pm 5%	SRD $\frac{1}{4}$ P	R716(L,R)	0114139	Carbon film	220 Ω \pm 5%	SRD $\frac{1}{4}$ P
R146	0114177	Carbon film	4.7k Ω \pm 5%	SRD $\frac{1}{4}$ P	R717(L,R)	0119049	Metal	47 Ω \pm 10%	RN1B
R147	0114147	Carbon film	470 Ω \pm 5%	SRD $\frac{1}{4}$ P					

MODEL SR-6100 SERVICE MANUAL

SYMBOL NO.	STOCK NO.	DESCRIPTION			SYMBOL NO.	STOCK NO.	DESCRIPTION
R718(L,R)	0119049	Metal	47Ω ±10%	RN1B	Q704(L,R)	2327053	2SC1030 [Ⓒ]
R719(L,R)	0114139	Carbon film	220Ω ±10%	SRD½P	Q705(L,R)	2327443	2SC1344 [Ⓔ]
R720(L,R)	0119127	Metal	0.47Ω ±10%	RN2B	Q801	2327153	2SC1061 [Ⓒ]
R721(L,R)	0134369	Composition	470Ω ±10%	RC½GF	Q802	2327722	2SA755 [Ⓑ]
R722(L,R)	0134369	Composition	470Ω ±10%	RC½GF	for CHASSIS ASSEMBLY		
R723(L,R)	0119127	Metal	0.47Ω ±10%	RN2B	IC1	2367211	TA5002
R724(L,R)	0119025	Metal	2.2Ω ±10%	RN1B	DIODES		
R725(L,R)	0119041	Metal	10Ω ±10%	RN1B	for TUNER PRINTED WIRING BOARD		
R727(L,R)	0114211	Carbon film	27kΩ ±5%	SRD¼ P	CR101	2337281	1SV55
R728(L,R)	0114153	Carbon film	820Ω ±5%	SRD¼ P	CR102	2337281	1SV55
R729(L,R)	0114203	Carbon film	12kΩ ±5%	SRD¼ P	CR103	2337281	1SV55
R730(L,R)	0114167	Carbon film	1.8kΩ ±5%	SRD¼ P	CR105	2337141	1S2267
R731(L,R)	0114151	Carbon film	680Ω ±5%	SRD¼ P	CR108	2337293	HZ-9 [Ⓒ]
R732(L,R)	0114177	Carbon film	4.7kΩ ±5%	SRD¼ P	CR109	2347043	MV-5T
R733(L,R)	0114219	Carbon film	56kΩ ±5%	SRD¼ P	CR110	2347122	MV-1Y
R734(L,R)	0114219	Carbon film	56kΩ ±5%	SRD¼ P	CR111	2347043	MV-5T
R736	0134365	Composition	220Ω ±10%	RC½GF	CR112	2337064	AW01-16
R737	0134365	Composition	220Ω ±10%	RC½GF	for PRE-SET PRINTED WIRING BOARD		
R738(L,R)	0114303	Carbon film	820kΩ ±5%	SRD¼ P	CR301	2337011	1S2076
R739(L,R)	0114285	Carbon film	150kΩ ±5%	SRD¼ P	CR302	2337011	1S2076
R740(L,R)	0114201	Carbon film	10kΩ ±5%	SRD¼ P	CR303	2337011	1S2076
R741(L,R)	0114167	Carbon film	1.8kΩ ±5%	SRD¼ P	CR304	2337011	1S2076
R742(L,R)	0114201	Carbon film	10kΩ ±5%	SRD¼ P	CR305	2337011	1S2076
R743(L,R)	0114203	Carbon film	12kΩ ±5%	SRD¼ P	CR306	2337011	1S2076
R744(L,R)	0114131	Carbon film	100Ω ±5%	SRD¼ P	CR307	2337011	1S2076
R745(L,R)	0114147	Carbon film	470Ω ±5%	SRD¼ P	CR308	2337011	1S2076
R746(L,R)	0114147	Carbon film	470Ω ±5%	SRD¼ P	CR309	2337011	1S2076
R801	0134374	Composition	1.2kΩ ±10%	RC½GF	CR310	2337011	1S2076
R802	0134374	Composition	1.2kΩ ±10%	RC½GF	CR311	2337011	1S2076
R803	0114169	Carbon film	2.2kΩ ±5%	SRD¼ P	CR312	2337011	1S2076
R804	0114169	Carbon film	2.2kΩ ±5%	SRD¼ P	for AUDIO PRINTED WIRING BOARD		
R805	0134281	Composition	2.2Ω ±10%	RC½GF	CR701(L,R)	2347041	MV-5
R806	0134378	Composition	2.7kΩ ±10%	RC½GF	CR702(L,R)	2347041	MV-5
R807	0134378	Composition	2.7kΩ ±10%	RC½GF	CR703	2337123	HZ-6 [Ⓒ]
R2(L,R)	0119426	Metal oxide	270Ω ±10%	RD1PA	CR704	2327733	HZ-7 [Ⓒ]
TRANSISTORS							
for TUNER PRINTED WIRING BOARD							
IC101	2367122	HA1137			CR801	2327031	VO3C
IC102	2367173	HA1156WZ			CR802	2327031	VO3C
FET101	2327683	2SK55 [Ⓓ]			CR803	2327031	VO3C
Q101	0573510	2SC535 [Ⓑ]			CR804	2327031	VO3C
Q102	0573507	2SC461 [Ⓑ]			CR805	2337103	HZ-12 [Ⓒ]
Q103	2320063	2SC458 [Ⓒ]			CR806	2337103	HZ-12 [Ⓒ]
Q104	2320063	2SC458 [Ⓒ]			VARIABLE RESISTORS		
Q105	2327443	2SC1344 [Ⓔ]			for TUNER PRINTED WIRING BOARD		
Q106	2327443	2SC1344 [Ⓔ]			VR101	0151225	50kΩ-(B)
Q107	2327333	2SC1213 [Ⓒ]			VR102	0151224	10kΩ-(B)
Q108	2327153	2SC1061 [Ⓒ]			VR103	0151224	10kΩ-(B)
Q109	2320063	2SC458 [Ⓒ]			VR104	0151225	50kΩ-(B)
Q110	2327443	2SC1344 [Ⓔ]			VR105	0151226	100kΩ-(B)
for AUDIO PRINTED WIRING BOARD							
IC401	2367151	HA1452			for PRE-SET PRINTED WIRING BOARD		
IC701	2367151	HA1452			VR301	0151282	1kΩ-(B)
Q701(L,R)	2327603	2SC1212WT [Ⓒ]			for AUDIO PRINTED WIRING BOARD		
Q702(L,R)	2327393	2SA743A [Ⓒ]			VR701	0153235	200kΩ-(W) BALANCE
Q703(L,R)	2327763	2SA756 [Ⓒ]					

MODEL SR-6100 SERVICE MANUAL

SYMBOL NO.	STOCK NO.	DESCRIPTION	SYMBOL NO.	STOCK NO.	DESCRIPTION
VR702(L,R)	0153710	100kΩ-(B) VOLUME	F1	2727191	Fuse-fuse (1A, Time lag)
VR703(L,R)	0156603	50kΩ-(C) BASS	F701(L,R)	2727193	Fuse-fuse (2A, Time lag)
VR704(L,R)	0156603	50kΩ-(C) TREBLE	F702(L,R)	2727193	Fuse-fuse (2A, Time lag)
VR705(L,R)	0151241	500Ω-(B) Idle current adj.	F801	2727191	Fuse-fuse (1A)
for CHASSIS ASSEMBLY			2667221	2667221	Connector pin (11P)
VR1	0159521	50kΩ-(A) MANUAL TUNING	2587611	2587611	Pre-set volume
COILS & TRANSFORMERS			3913001	3913001	Bushing (for AC power cord) (for Europe)
for TUNER PRINTED WIRING BOARD			0043793	0043793	Bushing (for AC power cord) (for Sweden)
L101	2134656	FM antenna coil	3913005	3913005	Bushing (for AC power cord) (for U.K.)
L102	2134504	FM RF coil	4387283	4387283	AC bush plate (for U.K. & Europe)
L103	2134471	FM OSC coil	4387281	4387281	AC bush plate (for Sweden)
L105	2227032	Choke coil (2.2μH)	4090092	4090092	Screw-earth screw
L106	2227035	Choke coil (27μH)	2657361	2657361	Socket-coaxial socket (for FM antenna)
L107	2227119	Choke coil (18μH)	2657311	2657311	Socket-DIN FM antenna socket
T101	2154271	FM IF transformer	0541358	0541358	Socket-DIN 5P socket
T102	2154291	FM IF transformer	2657151	2657151	Socket-DIN speaker socket
for AUDIO PRINTED WIRING BOARD			2748511	2748511	AC power cord (for Europe)
L701(L,R)	2227141	Audio trap coil (2.2μH)	2748551	2748551	AC power cord (for Sweden)
MISCELLANEOUS			2747732	2747732	AC power cord (for U.K.)
TH701L, R	2505093	Audio printed wiring board assembly	2747771	2747771	AC power cord (for Switzerland)
TC101	2505402	Tuner printed wiring board assembly	4567411	4567411	3×6φ CT bind screw
TC102	2505451	Pre-set volume final assembly	4567412	4567412	3×8φ CT bind screw
TC103	0576042	Thermister (15D - 26)	4567451	4567451	3φ×10 CT screw (silver)
MF101	0283121	Trimmer capacitor	4567433	4567433	3φ×10 CT bind screw
MF102	0283121	Trimmer capacitor	2217971	2217971	Power transformer
CP101	2134541	Ceramic filter	for FINAL ASSEMBLY		
CP102	2134541	Ceramic filter	3243811	3243811	Escutcheon assembly
S1	0186051	CR multiple component	3282873	3282873	Knob-Bass, Treble, Balance knob
S2-5	0186051	CR multiple component	3282871	3282871	Knob-Function knob
S6	2617471	Switch-rotary switch (for function sw.)	3282872	3282872	Knob-Volume knob
	2637602	Switch-push switch (for loudness, mode, tape monitor-1, 2 sw.)	3282876	3282876	Knob-Tuning knob
	2637325	Switch-push switch (for power sw.)	3282396	3282396	Knob-push knob assembly
	2637711	Switch-feather touch switch	4680131	4680131	Rubber bushing (for pre-set hood)
	2720022	Lamp holder	3710471	3710471	Cap-headphone cap
	2677061	Jack-headphone jack	4090651	4090651	Cover assembly
	2767201	Lamp (6.3V, 250mA)	3921441	3921441	Pre-set hood
	2767235	Lamp (8V, 30mA)	3338852	3338852	Pre-set hood spring
	2667211	Cords with connector (11P)	4384943	4384943	Bottom board
	2657181	Socket-transistors socket	3916411	3916411	Leg
	2687311	6P terminal board	4567411	4567411	3×6φ CT bind screw
			4568833	4568833	3φ × 10 CT screw
			4567441	4567441	4×6φ CT bind screw
			for DIAL MECHANISM ASSEMBLY		
			2577201	2577201	Meter
			4567441	4567441	4×6φ CT bind screw
			4567433	4567433	3φ×10 CT bind screw
			4567422	4567422	4×8φ CT bind screw
			4567411	4567411	3×6φ CT bind screw
			4567452	4567452	3×8φ CT bind screw



Head Office : 5-1, 1-chome, Marunouchi, Chiyoda-ku, Tokyo
 Tel. : Tokyo (212) 1111 (80 lines)
 Cable Address : "HITACHY" TOKYO