ALSO OF 73 OF 74

Service
Service
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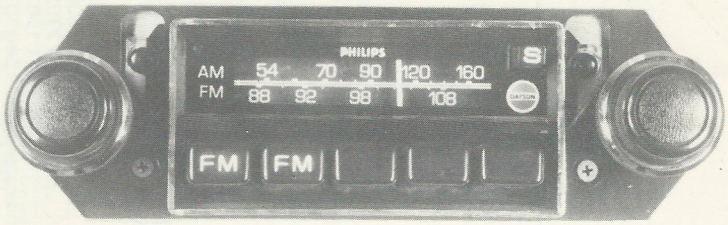


Service Manual

12 V

AM/FM MPX STEREO RADIO

PRODUCED FOR NISSAN MOTOR INDUSTRIES FOR FITMENT TO DATSUN 200B

SPECIFICATIONS

TUNING RANGE	–	FM. 88 to 108 MHz AM. 530 to 1605 kHz
INTERMEDIATE FREQUENCY	–	FM. 10.7 MHz AM. 455 kHz
POWER SUPPLY	–	12 Volts. Negative to Earth
CURRENT	–	100 mA (with no signal)
OUTPUT	–	5 Watts per channel (max.)
SEMICONDUCTORS	–	9. IC's 1. FET 8. Diodes

Subject to modification

4802 725 17046

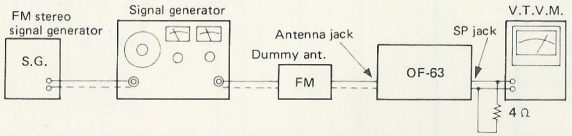
PHILIPS

FM Separation adjustment

1. Setting

Symbol No.	Controls	Position	Symbol No.	Controls	Position
RV501A, B	Tone control	——	RV502A, B	Volume control	——
RV503A, B	Balance control	——			

2. Connection



3. Adjustment

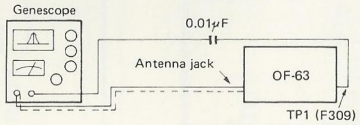
Signal generator		Dial pointer position	Adjust	Reading	Remarks
Frequency	Modulation				
98 MHz	Pilot: 19 kHz 10% L-ch.: 400 Hz 45% 74 dB	98 MHz	RT301	R-ch.: Min.	——

AM IF adjustment

1. Setting

Symbol No.	Controls	Position
RT251	AM sensitivity adjustment	Middle
RV501A, B	Tone control	High
RV502A, B	Volume control	Minimum

2. Connection



3. Adjustment

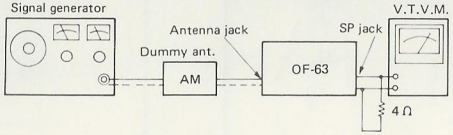
Genescope	Dial pointer position	Adjust	Reading	Remarks
455 kHz	Highest	T151 T251 T252	Max.	Set the Band switch to the "AM" position.

AM RF (Covering & Tracking) adjustment

1. Setting

Symbol No.	Controls	Position
RT251	AM sensitivity adjustment	Middle
RV501A, B	Tone control	High
RV502A, B	Volume control	Maximum
RV503A, B	Balance control	Center

2. Connection



3. Adjustment

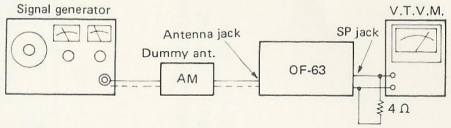
Item		Signal generator		Dial pointer position	Adjust	Reading	Remarks
		Frequency	Modulation				
1	Covering	520 ± 5 kHz	400 Hz 30%	Lowest	L154	Max.	——
2		1650 ± 10 kHz		Highest	CT154		
3	Repeat 1 and 2.						
4	Tracking	1400 kHz	400 Hz 30%	1400 kHz	CT151 CT152(Middle) CT153	Max.	

AM sensitivity adjustment

1. Setting

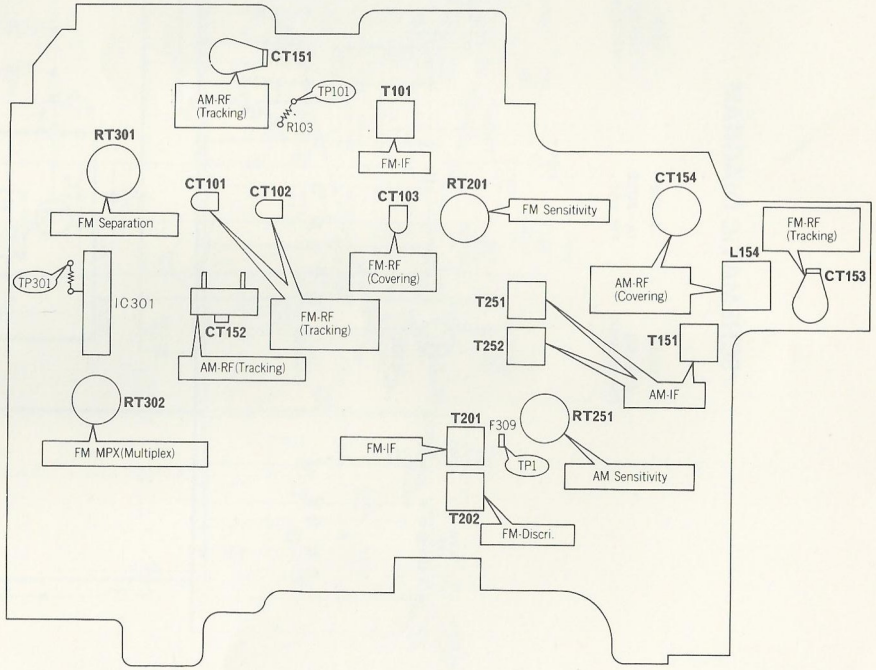
Symbol No.	Controls	Position
RV501A, B	Tone control	High
RV502A, B	Volume control	Maximum
RV503A, B	Balance control	Center

2. Connection



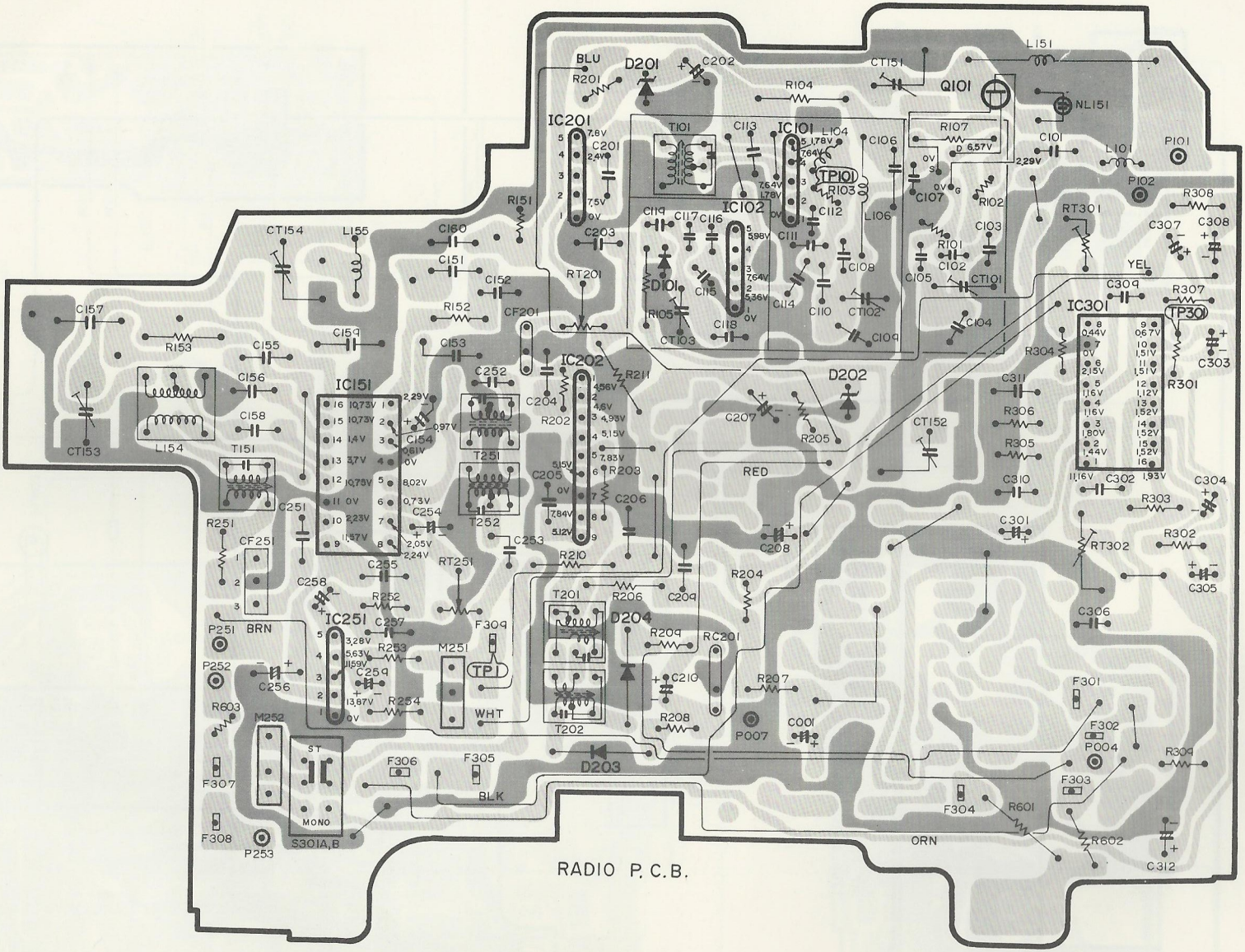
3. Adjustment

Signal generator		Dial pointer position	Adjust	Reading	Remarks
Frequency	Modulation				
1000 kHz	400 Hz 30%	1000 kHz	RT251	12 dB	——



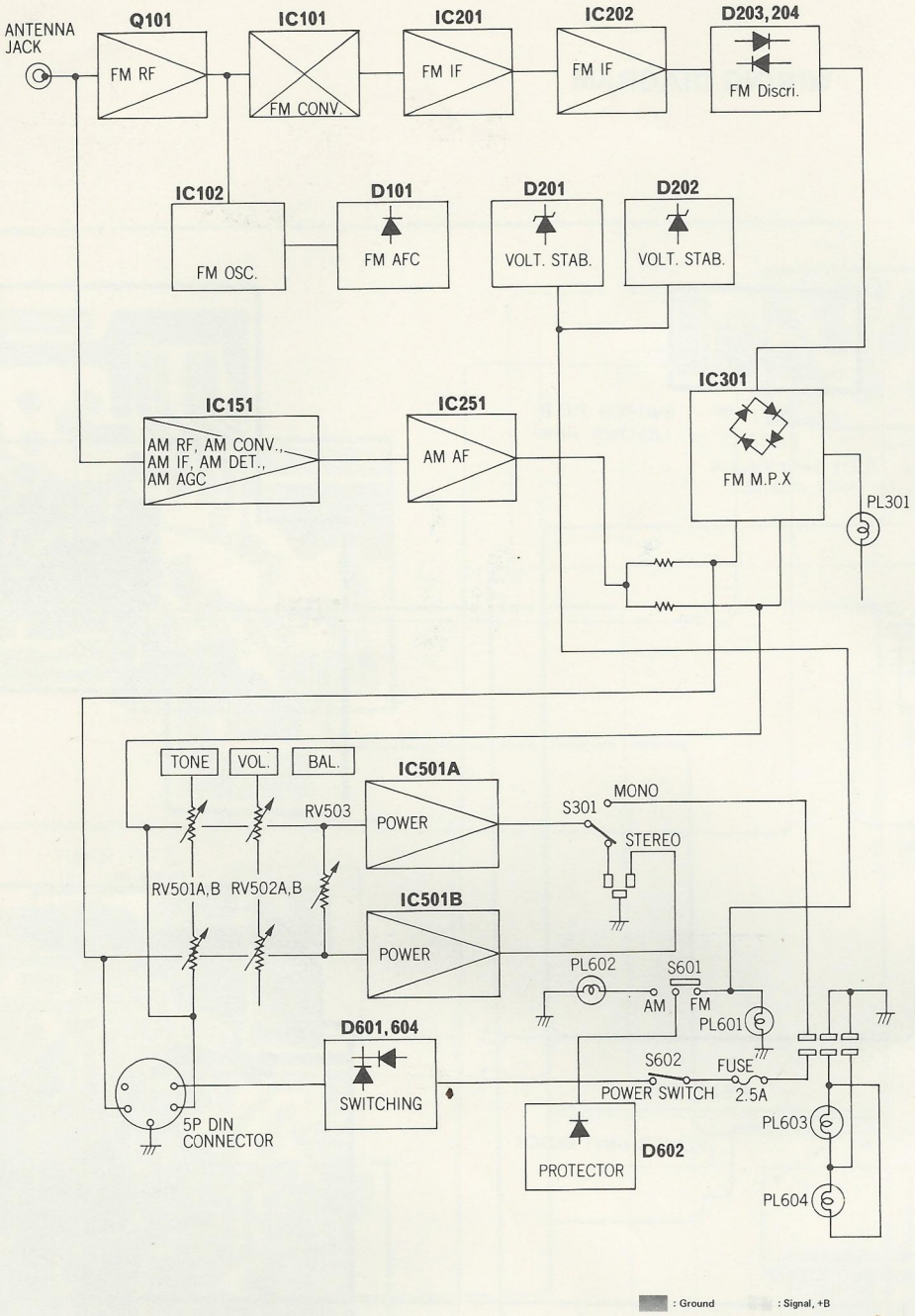
CIRCUIT BOARD DIAGRAM

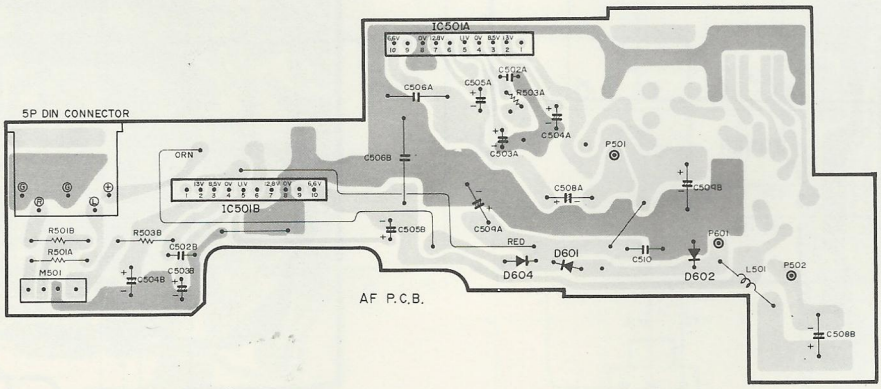
: Ground : Signal, +B

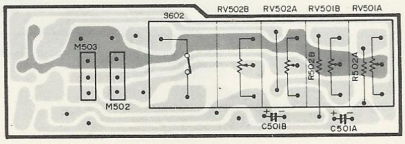


RADIO P.C.B.

BLOCK DIAGRAM



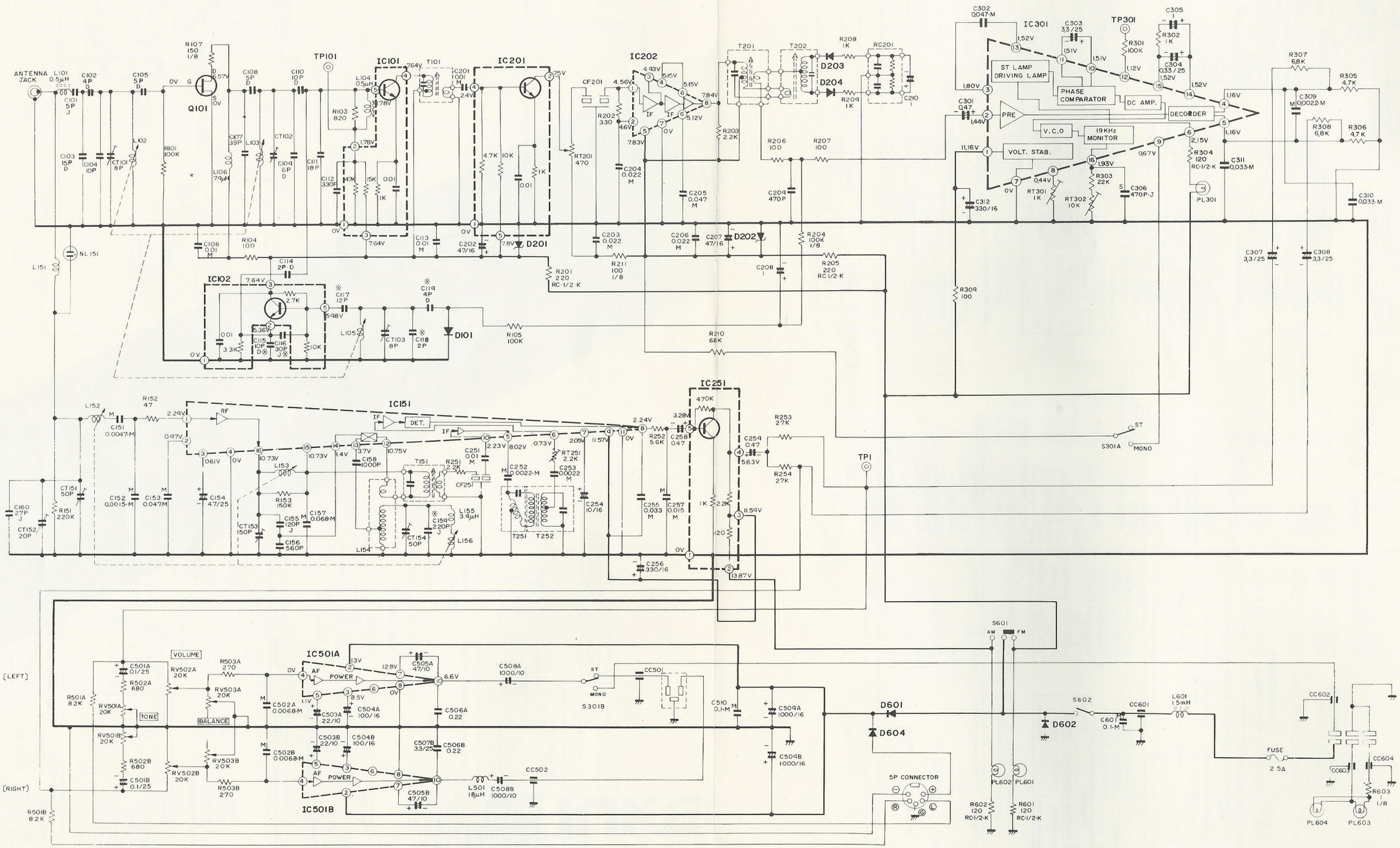


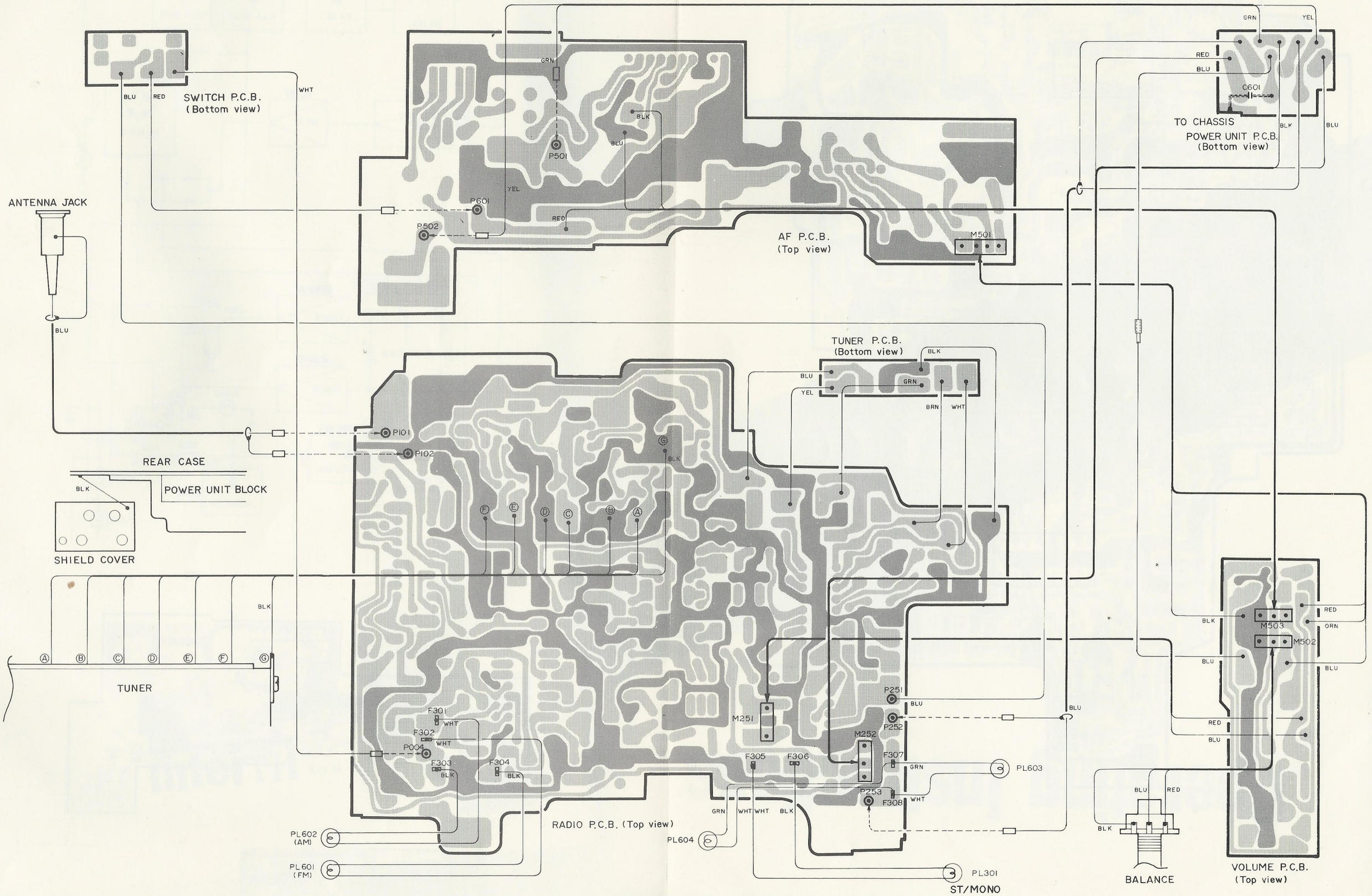


VOLUME P.C.B.

SCHEMATIC DIAGRAM

Q101	IC102	IC101	D101	IC201	D201	IC202	D202	D203,204	IC301
2SK168	TA-2032	TA-2031	1S2790	TA-2033	HZ-7C	AN-278	HZ-7C	IN60P	HA-11227
FM RF AMP.	FM OSC.	FM CONV.	FM AFC	FM IF AMP.	VOLT. STAB.	FM IF AMP.	VOLT. STAB.	FM DISCRI.	FM M.P.X.



IC151	IC501A,B	IC251	D601	D604	D602
HA-1199	HA-1366W	TA-2034	V06A	V0-6A	V0-6C
AM RF AMP., AM CONV., AM IF AMP., AM DET., AM AGC	AF AMP., POWER AMP.	AM AF AMP.	SWITCHING	SWITCHING	PROTECTOR

WIRING DIAGRAM