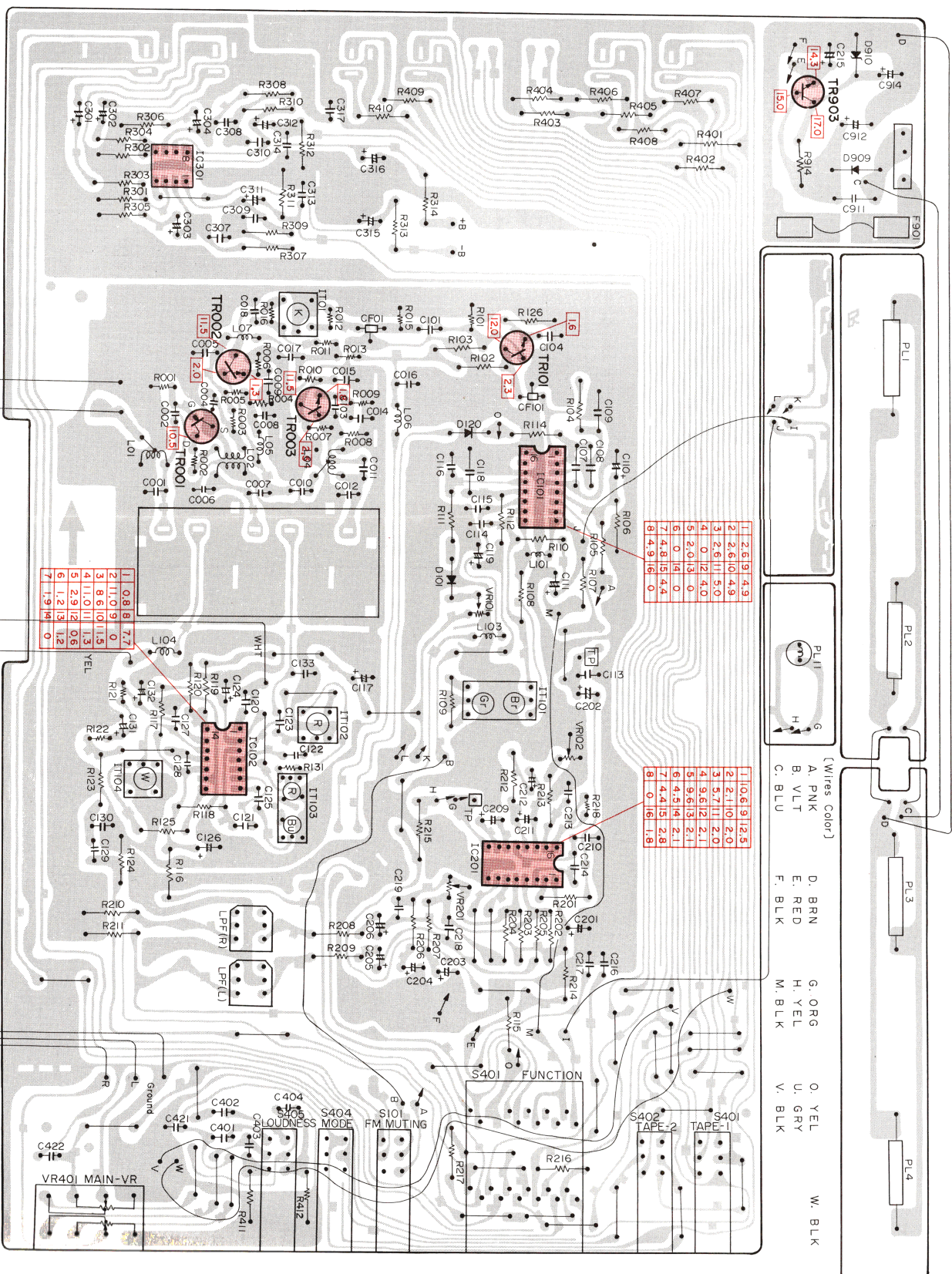


6. P.C. BOARD PARTS LOCATIONS



P.C. BOARD PARTS LOCATIONS

To 750m Antenna

Figure 15.

To Ferrite Antenna

To Main P.C. Board

BOTTOM VIEW OF POWER UNIT

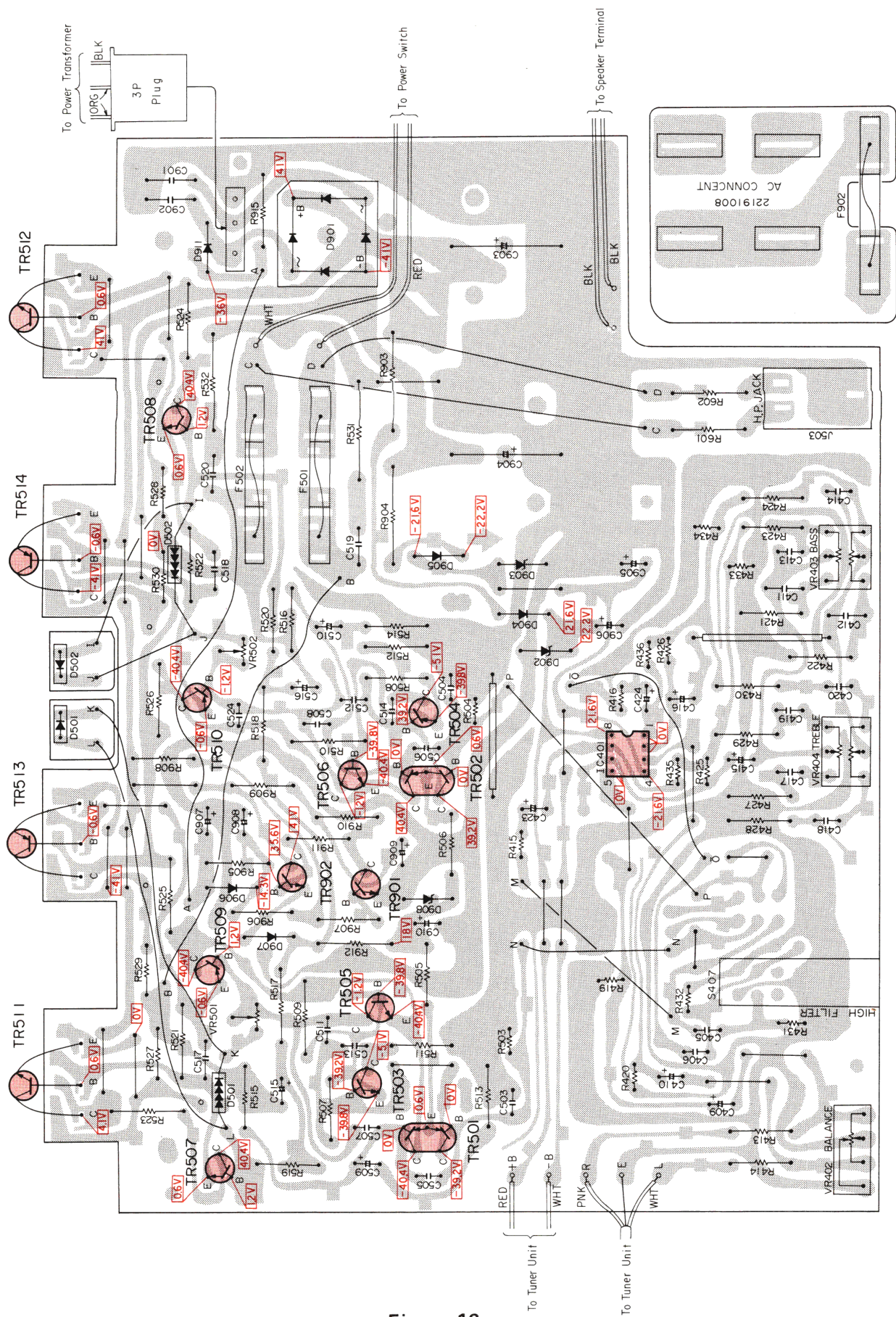


Figure 16.

7. CABINET PARTS LOCATIONS

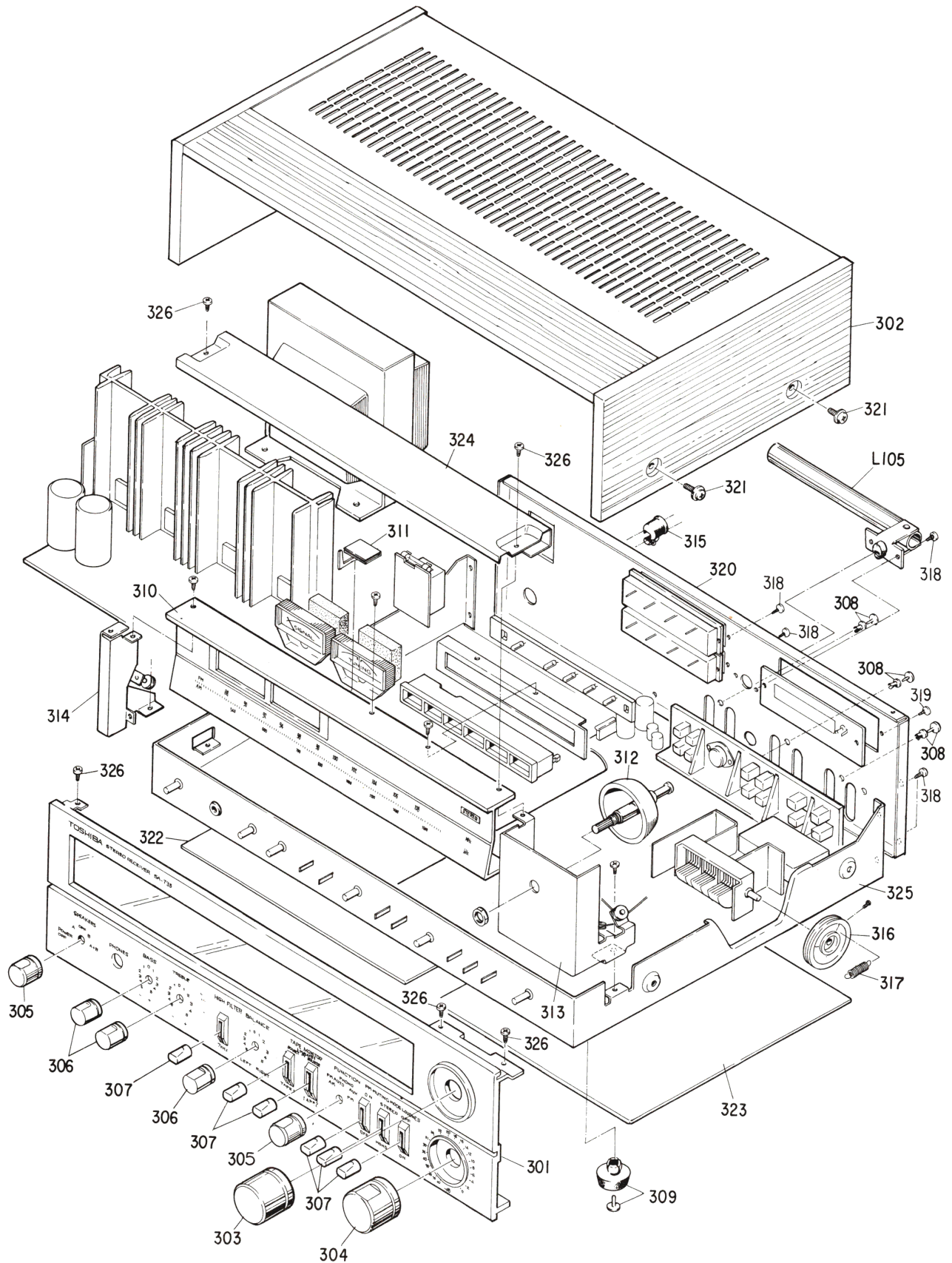


Figure 17.

8. SCHEMATIC DIAGRAM

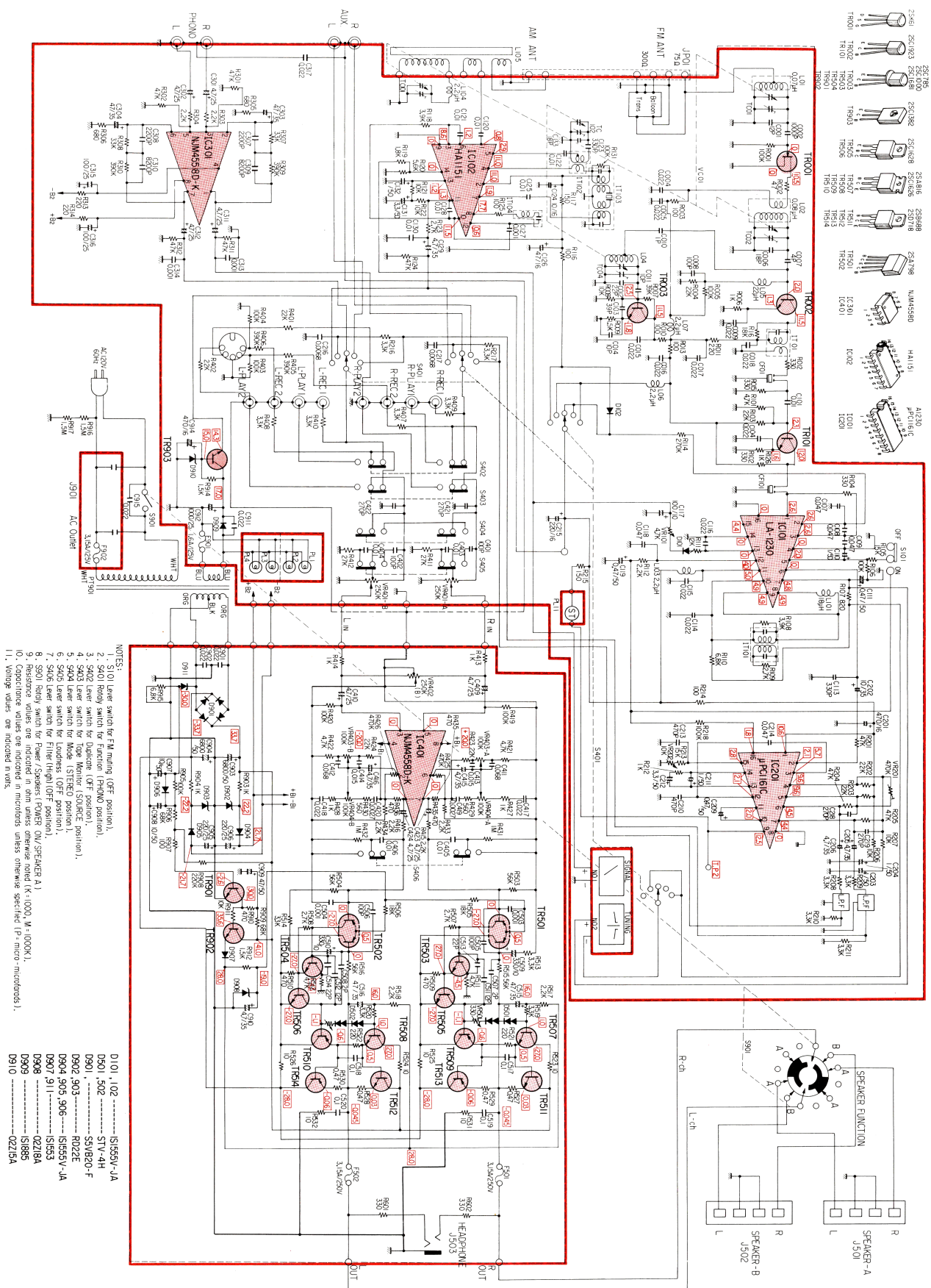


Figure 18.

9. PARTS LIST

Symbol No.	Part No.	Description
CABINET PARTS		
301	20017122	Panel Ass'y
302	20815158	Cabinet Ass'y
303	22826176	Knob Ass'y, Tuning
304	22826177	Knob Ass'y, Volume
305	22826179	Knob Ass'y, Power/Function
306	22826196	Knob Ass'y, Bass/Treble/Balance
307	22834984	Knob, Lever
308	22705022	Rivet, Plastic, 3 ϕ x 5.5mm
309	22828056	Leg, Rubber
310	20019097	Dial Scale Ass'y
311	20041059	Pointer Ass'y
312	22749174	Shaft Ass'y, Tuning.
313	22719113	Pulley Ass'y, Right
314	22719114	Pulley Ass'y, Left
315	25845120	Bush, Nylon, Power Cord
316	22742149	Drum, Dial
317	20866009	Spring, Dial Drum
318	22701326	Tapping Screw (BID), 3 ϕ x 8mm
319	22701321	Screw (BID), 3 ϕ x 6mm
320	20015143	Plate, Jack (For America)
320	20015146	Plate, Jack (For Canada)
321	22707184	Screw, 4 ϕ x 25mm
TRANSISTORS, DIODES AND ICS		
TR001	22114468	Transistor, 2SK61-GR
TR002		Transistor, 2SC1923-O
TR003		Transistor, 2SC785-O
TR101		Transistor, 2SC1923-O
TR501, 502		Transistor, 2SA798-G-DU
TR503, 504		Transistor, 2SC1681-BL
TR505, 506		Transistor, 2SC1628-Y
TR507, 508		Transistor, 2SC1626-Y
TR509, 510		Transistor, 2SA816-Y
TR511, 512		Transistor, 2SD718-Y
TR513, 514		Transistor, 2SB688-O
TR901		Transistor, 2SC1000-BL
TR902		Transistor, 2SC1000-BL
TR903		Transistor, 2SC1382-Y
D101	22115424	Diode, 1S1555V-JA
D102		Diode, 1S1555V-JA
D501, 502		Diode, STV-4H
D901		Diode, S5VB20-F
D902, 903		Diode, RD22E
D904, 905		Diode, 1S1555V-JA
D906		Diode, 1S1555V-JA
D907		Diode, 1S1553
D908		Diode, 02Z18A
D909		Diode, 1S1885
D910		Diode, 02Z15A
D911		Diode, 1S1553

Symbol No.	Part No.	Description
IC101	22114443	IC, LA1230
IC102	22114472	IC, HA1151
IC201	22114627	IC, μ PC1161C
IC301	22114594	IC, NJM4558D-K
IC401	22114594	IC, NJM4558D-K
ELECTRICAL PARTS		
N01	22104390	Meter, Signal
N02	22104391	Meter, Tuning
PL1, 2, 3, 4	22113434	Lamp, Pilot, 0.2A/14V
PL11	22113383	Lamp, Indicator, 50mA/8V
	22135025	Filter, Low Pass
CF01, 101	22153065	Ceramic Filter
F501, 502	22144355	Fuse, 3.15A/250V
F901	22144367	Fuse, 1.6A/125V
F902	22144332	Fuse, 3.15A/125V
JP01	22162402	Terminal, Antenna
J401	22163638	Jack, US12P
J501, 502	22162412	Terminal, Speaker
J503	22163676	Jack, Headphone
J901	22167693	AC Outlet, 2P
S101	22195057	Switch, Lever, FM Muting
S401	22146296	Switch, Rotary, Function
S402	22195057	Switch, Lever, Tape Monitor
S403	22195057	Switch, Lever, Tape Monitor
S404	22195057	Switch, Lever, Mode
S405	22195057	Switch, Lever, Loudness
S406	22195057	Switch, Lever, Filter
S901	22146298	Switch, Rotary, Power/Speaker
PT901	22213543	Transformer, Power
L01	22292073	Coil, Trap (0.07 μ H)
L02	22294294	Coil, Trap (0.08 μ H)
L04	22295062	Coil, FM, Oscillator
L05	22291082	Coil, Trap (2.2 μ H)
L06	22291082	Coil, Trap (2.2 μ H)
L07	22291082	Coil, Trap (2.2 μ H)
	22290002	Transformer, Baloon
L101	22241036	Coil, Choke (18 μ H)
L103	22291082	Coil, Trap (2.2 μ H)
L104	22291082	Coil, Trap (2.2 μ H)
L105	22242600	Coil, Antenna, Ferrite
IT01	22265727	Coil, IFT
IT101	22267349	Coil, IFT
IT102	22245288	Coil, Oscillator
IT103	22264641	Coil, IFT
IT104	22264744	Coil, IFT
	22176221	Cord, Power
CAPACITORS		
J = \pm5%, K = \pm10%, M = \pm20%, D = \pm0.5pF, Z = -20+80%		
C001	22360315	Ceramic, 12pF, 50V, J

Symbol No.	Part No.	Description
C002	22343102	Ceramic, 1000pF, 50V, M
C004	22342223	Ceramic, 0.022mfd, 50V, Z
C005	22342223	Ceramic, 0.022mfd, 50V, Z
C006	22360159	Ceramic, 18pF, 50V, J
C007	22361409	Ceramic, 4pF, 50V, D
C008	22362101	Ceramic, 100pF, 50V, K
C009	22342223	Ceramic, 0.022mfd, 50V, Z
C010	22361109	Ceramic, 1pF, 50V, D
C011	22360310	Ceramic, 10pF, 50V, D
C012	22360091	Ceramic, 22pF, 50V, J
C014	22360314	Ceramic, 10pF, 50V, D
C015	22342223	Ceramic, 0.022mfd, 50V, Z
C016	22342223	Ceramic, 0.022mfd, 50V, Z
C017	22342223	Ceramic, 0.022mfd, 50V, Z
C018	22342223	Ceramic, 0.022mfd, 50V, Z
C101	22342103	Ceramic, 0.01mfd, 50V, Z
C103	22360137	Ceramic, 39pF, 50V, J
C104	22342223	Ceramic, 0.022mfd, 50V, Z
C107	22342473	Ceramic, 0.047mfd, 50V, Z
C108	22342473	Ceramic, 0.047mfd, 50V, Z
C109	22342473	Ceramic, 0.047mfd, 50V, Z
C110	22448109	Electrolytic, 1mfd, 50V
C111	22448478	Electrolytic, 0.47mfd, 50V
C113	22362331	Ceramic, 330pF, 50V, K
C114	22342223	Ceramic, 0.022mfd, 50V, Z
C115	22342223	Ceramic, 0.022mfd, 50V, Z
C116	22342223	Ceramic, 0.022mfd, 50V, Z
C117	22443101	Electrolytic, 100mfd, 10V
C118	22342473	Ceramic, 0.047mfd, 50V, Z
C119	22448478	Electrolytic, 0.47mfd, 50V
C120	22342103	Ceramic, 0.01mfd, 50V, Z
C121	22342103	Ceramic, 0.01mfd, 50V, Z
C122	22342103	Ceramic, 0.01mfd, 50V, Z
C123	22362331	Ceramic, 330pF, 50V, K
C124	22445100	Electrolytic, 10mfd, 16V
C125	22342103	Ceramic, 0.01mfd, 50V, Z
C126	22445470	Electrolytic, 47mfd, 16V
C127	22343102	Ceramic, 0.001mfd, 50V, M
C128	22342103	Ceramic, 0.01mfd, 50V, Z
C129	22447479	Electrolytic, 4.7mfd, 35V
C130	22372103	Mylar, 0.01mfd, 50V, K
C131	22448339	Electrolytic, 3.3mfd, 50V
C132	22448109	Electrolytic, 1mfd, 50V
C133	22360178	Ceramic, 18pF, 50V, J
C201	22445471	Electrolytic, 470mfd, 16V
C202	22447100	Electrolytic, 10mfd, 35V
C203	22448109	Electrolytic, 1mfd, 50V
C204	22448109	Electrolytic, 1mfd, 50V
C205	22447479	Electrolytic, 4.7mfd, 35V
C206	22447479	Electrolytic, 4.7mfd, 35V
C209	22448478	Electrolytic, 0.47mfd, 50V
C210	22321028	Polypropylene, 470pF, 50V, K
C211	22448109	Electrolytic, 1mfd, 50V

Symbol No.	Part No.	Description
C212	22448339	Electrolytic, 3.3mfd, 50V
C213	22321028	Polypropylene, 470pF, 50V, K
C214	22372473	Mylar, 0.047mfd, 50V, K
C215	22445221	Electrolytic, 220mfd, 16V
C216	22372123	Mylar, 0.012mfd, 50V, K
C217	22372123	Mylar, 0.012mfd, 50V, K
C218	22321048	Polypropylene, 270pF, 50V, K
C219	22321048	Polypropylene, 270pF, 50V, K
C301, 302	22466479	Electrolytic, 4.7mfd, 25V
C303, 304	22447470	Electrolytic, 47mfd, 35V
C307, 308	22371222	Mylar, 2200pF, 50V, J
C309, 310	22371822	Mylar, 8200pF, 50V, J
C311, 312	22466479	Electrolytic, 4.7mfd, 25V
C313, 314	22372102	Mylar, 0.001mfd, 50V, K
C315, 316	22446101	Electrolytic, 100mfd, 25V
C317	22342223	Ceramic, 0.022mfd, 50V, Z
C401, 402	22362101	Ceramic, 100pF, 50V, K
C403, 404	22372103	Mylar, 0.01mfd, 50V, K
C405, 406	22372103	Mylar, 0.01mfd, 50V, K
C409, 410	22467479	Electrolytic, 4.7mfd, 35V
C411, 412	22372683	Mylar, 0.068mfd, 50V, K
C413, 414	22372153	Mylar, 0.015mfd, 50V, K
C415, 416	22447479	Electrolytic, 4.7mfd, 35V
C417, 418	22372223	Mylar, 0.022mfd, 50V, K
C419, 420	22372272	Mylar, 0.0027mfd, 50V, K
C421, 422	22362271	Ceramic, 270pF, 50V, K
C423, 424	22467479	Electrolytic, 4.7mfd, 35V
C503, 504	22372102	Mylar, 0.001mfd, 50V, K
C505, 506	22362101	Ceramic, 100pF, 50V, K
C507, 508	22361209	Ceramic, 2pF, 50V, J
C509, 510	22443331	Electrolytic, 330mfd, 10V
C511, 512	22361120	Ceramic, 12pF, 50V, J
C513, 514	22361220	Ceramic, 22pF, 50V, J
C515, 516	22447470	Electrolytic, 47mfd, 35V
C517, 518	22372104	Mylar, 0.1mfd, 50V, K
C519, 520	22372104	Mylar, 0.1mfd, 50V, K
C901, 902	22340032	Ceramic, 0.022mfd, 500V, Z
C903, 904	22430075	Electrolytic, 6800mfd, 50V
C905, 906	22446221	Electrolytic, 220mfd, 25V
C907, 908	22448100	Electrolytic, 10mfd, 50V
C909	22448470	Electrolytic, 47mfd, 50V
C910	22447479	Electrolytic, 4.7mfd, 35V
C911	22340032	Ceramic, 0.022mfd, 500V, Z
C912	22446102	Electrolytic, 1000mfd, 25V
C914	22445471	Electrolytic, 470mfd, 16V
C915	22321206	Polypropylene, 0.022mfd, 125V, M
VC01	22307353	Variable Capacitor

RESISTORS

All resistors are ¼W, 5%, carbon film unless otherwise noted.
K = ±10%

Symbol No.	Part No.	Description
R001	22555104	100K ohm
R002	22555470	47 ohm
R003	22555101	100 ohm
R004	22555223	22K ohm
R005	22555104	100K ohm
R006	22555102	1K ohm
R007	22555393	39K ohm
R008	22555103	10K ohm
R009	22555152	1.5K ohm
R010	22555101	100 ohm
R011	22555221	220 ohm
R012	22555331	330 ohm
R013	22555101	100 ohm
R015	22555331	330 ohm
R016	22555183	18K ohm
R101	22555472	4.7K ohm
R102	22545331	330 ohm
R103	22545223	22K ohm
R104	22545331	330 ohm
R105	22545153	15K ohm
R106	22545104	100K ohm
R107	22545821	820 ohm
R108	22545392	3.9K ohm
R109	22545272	2.7K ohm
R110	22545682	6.8K ohm
R111	22545123	12K ohm
R112	22545222	2.2K ohm
R114	22545274	270K ohm
R116	22545101	100 ohm
R117	22545151	150 ohm
R118	22545392	3.9K ohm
R119	22545182	1.8K ohm
R120	22545562	5.6K ohm
R121	22555103	10K ohm
R122	22555103	10K ohm
R123	22545272	2.7K ohm
R124	22545473	47K ohm
R125	22545101	100 ohm
R126	22545102	1K ohm
R131	22555104	100K ohm
R201	22545473	47K ohm
R202	22545223	22K ohm
R203	22545223	22K ohm
R204	22545473	47K ohm
R205	22545473	47K ohm
R206	22545103	10K ohm
R207	22545103	10K ohm
R208	22545332	3.3K ohm
R209	22545332	3.3K ohm
R210	22545332	3.3K ohm
R211	22545332	3.3K ohm
R212	22545102	1K ohm
R213	22545153	15K ohm

Symbol No.	Part No.	Description
R214	22545101	100 ohm
R215	22570264	Metal Oxide Film, 150 ohm, 1W
R216	22545332	3.3K ohm
R217	22545332	3.3K ohm
R218	22555104	100K ohm
R301, 302	22545473	47K ohm
R303, 304	22545222	2.2K ohm
R305, 306	22545681	680 ohm
R307, 308	22545333	33K ohm
R309, 310	22545394	390K ohm
R311, 312	22545473	47K ohm
R313, 314	22545221	220 ohm
R401, 402	22545223	22K ohm
R403, 404	22545104	100K ohm
R405, 406	22545394	390K ohm
R407, 408	22545332	3.3K ohm
R409, 410	22545332	3.3K ohm
R411, 412	22545273	27K ohm
R413, 414	22545102	1K ohm
R415, 416	22555222	2.2K ohm
R419, 420	22555104	100K ohm
R421, 422	22545472	4.7K ohm
R423, 424	22545223	22K ohm
R425, 426	22555474	470K ohm
R427, 428	22545102	1K ohm
R429, 430	22545561	560 ohm
R431	22545105	1M ohm
R432	22555105	1M ohm
R433, 434	22555222	2.2K ohm
R435, 436	22555471	470 ohm
R503, 504	22545563	56K ohm
R505, 506	22545183	18K ohm
R507, 508	22545272	2.7K ohm
R509, 510	22570270	Metal Oxide Film, 470 ohm, 1W
R511, 512	22545472	4.7K ohm
R513, 514	22545332	3.3K ohm
R515, 516	22545563	56K ohm
R517, 518	22570278	Metal Oxide Film, 2.2K ohm, 1W
R519, 520	22545332	3.3K ohm
R521, 522	22570266	Metal Oxide Film, 220 ohm, 1W
R523, 524	22570250	Metal Oxide Film, 10 ohm, 1W
R525, 526	22570250	Metal Oxide Film, 10 ohm, 1W
R527, 528	22500187	Wire Wound, 0.47 ohm, 5W, K
R529, 530	22500187	Wire Wound, 0.47 ohm, 5W, K
R531, 532	22570295	Metal Oxide Film, 10 ohm, 2W
R601, 602	22570268	Metal Oxide Film, 330 ohm, 1W
R903	22570319	Metal Oxide Film, 1K ohm, 2W
R904	22570319	Metal Oxide Film, 1K ohm, 2W
R905	22545104	100K ohm
R906	22545683	68K ohm
R907	22545101	100 ohm
R908	22545224	220K ohm
R909	22545683	68K ohm

Symbol No.	Part No.	Description
R910	22545471	470 ohm
R911	22545103	10K ohm
R912	22570276	Metal Oxide Film, 1.5K ohm, 1W
R914	22545152	1.5K ohm
R915	22563682	Solid, 6.8K ohm, 1/2W, K
R916	22563155	Solid, 1.5M ohm, 1/2W, K
R917	22563155	Solid, 1.5M ohm, 1/2W, K
VR101	22658318	Semi-fixed, 4.7K ohm
VR201	22658282	Semi-fixed, 470K ohm
VR202	22658257	Semi-fixed, 10K ohm
VR401	22650438	Variable, 250K ohm
VR402	22620014	Variable, 250K ohm
VR403	22651431	Variable, 100K ohm
VR404	22651431	Variable, 100K ohm
VR501	22658152	Semi-fixed, 330 ohm
VR502	22658152	Semi-fixed, 330 ohm
ACCESSORIES		
	20951358	Owner's Manual English (For America)
	22124452	Feeder, Antenna
	22956405	Tag, FTC (For America)
	20951370	Owner's Manual Ass'y (For Canada)



MANUFACTURED BY
TOKYO SHIBAURA ELECTRIC CO., LTD.

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