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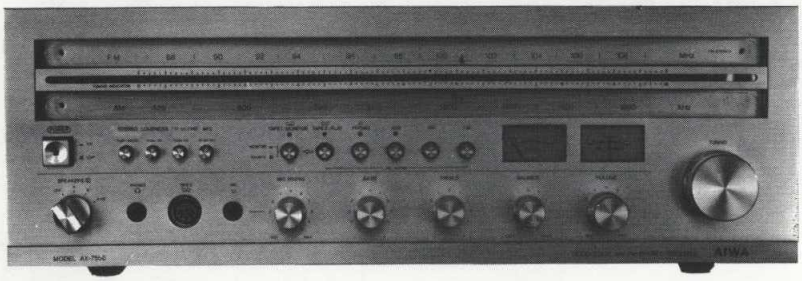
FM/AM STEREO RECEIVER

MODEL AX-7550EE

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AIWA®

(SERVICE MANUAL)



ISO
Set using ISO screws

DATE OF ISSUE 25/8/1976

SPECIFICATIONS

Semiconductors	1 FET, 1 IC, 64 transistors, 40 diodes, 8 LED
Power Supply	AC 120 V/220 V/240 V Switchable 50/60 Hz
Power Consumption	190 W
External Dimensions	160 (H) x 450 (W) x 360 (D) mm
Weight	11 kg

Power Amplifier

Circuit System	Differential 1st stage all stages direct coupled pure complementary OCL
Effective Output	
20 Hz – 20 kHz both channels driven	30 W + 30 W (8 ohms), 33 W + 33 W (4 ohms)
1 kHz both channels driven	33 W + 33 W (8 ohms), 36 W + 36 W (4 ohms)
Harmonic Distortion (at effective output)	0.2%
Intermodulation Distortion (at effective output)	0.2%
Output Bandwidth (IHF, both channels driven)	10 Hz – 50 kHz (0.2% distortion)
Dynamic Power	90 W (8-ohms)
Output Terminals SPEAKERS	A, B, A + B, OFF
HEADPHONES	8 ohms (4 ohms – 20 ohms)
Damping Factor	50 (1 kHz 8 ohms)
Residual Noise (8 ohms pre + main)	Less than 0.5 mV

Preamplifier

Circuit System	
Equalizer Amplifier	+, – dual power supply 2 stage differential amplifier + emitter follower NF type
Control Amplifier	+, – dual power supply 2 stage direct coupled type + CR controls
Buffer Amplifier	+, – dual power supply 2 stage direct coupled type
Input Terminals (Sensitivity/Impedance)	
PHONO	2.5 mV/50 kohms
PHONO Max. Rated Input	200 mV /560 mV (rms/pp)
MIC	1 mV/5 kohms (200 ohms – 50 kohms impedance)
Pin Jacks (AUX, TAPE PLAY 1 & 2)	150 mV/50 kohms
DIN Jacks (TAPE PLAY 1 & 2)	150 mV/50 kohms
Output Terminals (Level/Impedance)	
Pin Jacks (TAPE REC 1 & 2)	150 mV/more than 50 kohms
DIN Jacks (TAPE REC 1 & 2)	30 mV/80 kohms
Frequency Response (Input with respect to REC jacks)	
PHONO (RIAA Curve)	30 Hz–15 kHz ±0.3 dB
AUX & TAPE PLAY	10 Hz–70 kHz
Tone Controls	100 Hz ± 10 dB (BASS)
	10 kHz ± 10 dB (TREBLE)
Loudness Response (with volume at –40 dB)	+8 dB (100 Hz), +4 dB (10 kHz)
S/N (IHF)	
PHONO	More than 75 dB
AUX, TAPE PLAY 2	More than 80 dB
TAPE PLAY 1	More than 90 dB
MIC	More than 70 dB

FM Tuner

Receiving Frequency Range	87,5 MHz–108 MHz
Sensitivity (IHF)	1,8 μV
Capture Ratio (IHF)	1.2 dB
Effective Selectivity (IHF ± 400 kHz)	60 dB
SN Ratio	70 dB
Frequency Response	20 Hz–15 kHz
Distortion	0.4% (stereo), 0.24% (mono)
Separation	43 dB (at 1 kHz)
Image Ratio	60 dB
IF rejection Ratio	80 dB
Spurious Radiation	Less than 28 dB
Antenna Input Impedance	300 ohms (balanced), 75 ohms (unbalanced)
Spurious Rejection	80 dB
AM Suppression	50 dB
Subcarrier Suppression	65 dB
IF Frequency	10.7 MHz
Muting Level	20 dB

AM Tuner

Receiving Frequency Range	525–1,605 kHz
Sensitivity (IHF)	300 μV/m (built-in bar antenna)
	15 μV (external antenna terminal)
Selectivity	30 dB
Distortion	1%
IF Rejection	40 dB
Built-in Antenna	140 mm x 10 mm dia. (ferrite bar antenna)
External Antenna Terminal	Unbalanced
Image Ratio	40 dB
SN Ratio	50 dB
IF Frequency	455 kHz

- External appearance and specifications are subject to change without notice due to product improvements.

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DISASSEMBLY INSTRUCTIONS

1. To Remove Bottom Cover

1) Remove 5 screws, (Refer to Fig. 1).

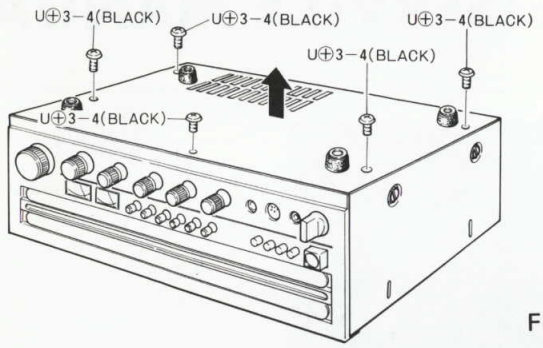


Fig. 1

2. To Remove Cabinet

1) Remove 5 screws, (Refer to Fig. 2).

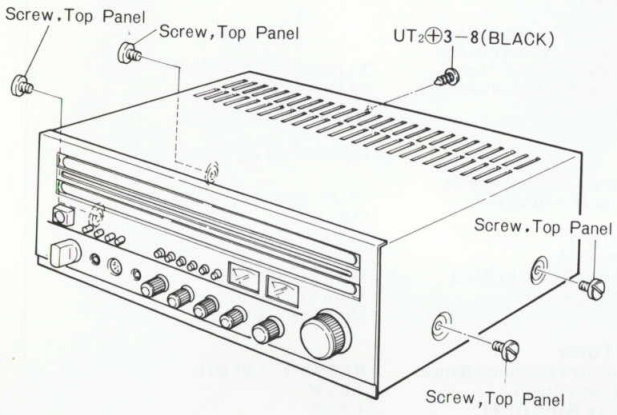


Fig. 2

3. To Remove Front Panel

1) Pull off the control knobs.
2) Loosen setscrew the Tuning knob and the Speakers selector knob, and pull off both knobs.
3) Remove 3 screws, (Refer to Fig. 3).

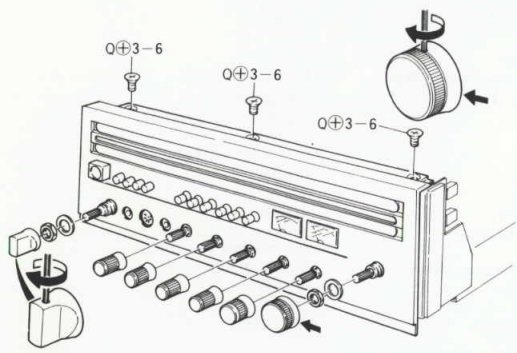


Fig. 3

4. To Remove LED-1 Circuit Board

1) Remove mounting screw.(Refer to Fig. 4)

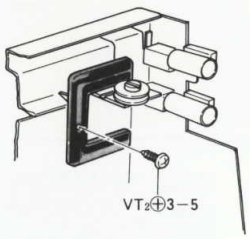


Fig. 4

5. To Remove LED-3 Circuit Board

1) Remove mounting screw. (Refer to Fig. 5)

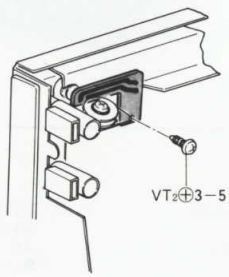


Fig. 5

6. To Remove Pre Amp/Selector Switch-1 Circuit Board

1) Remove 4 screws.(Refer to Fig. 6)

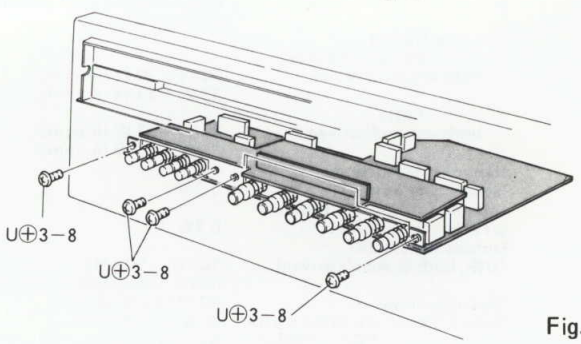


Fig. 6

2) Pull off the 12 connectors.
3) Pressing the PCB holder with small pincers or the like, pull the circuit board upward for removal. (Refer to Fig. 7).

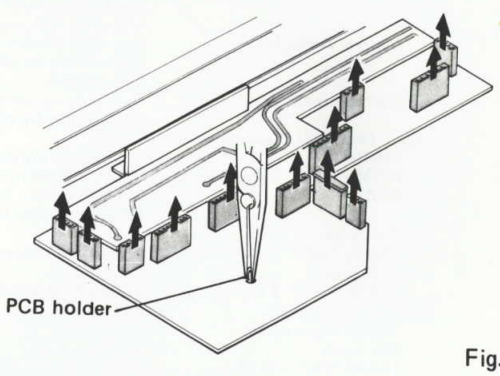


Fig. 7

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7. To Remove Control Circuit Board

1) Remove 6 nuts.(Refer to Fig. 8).

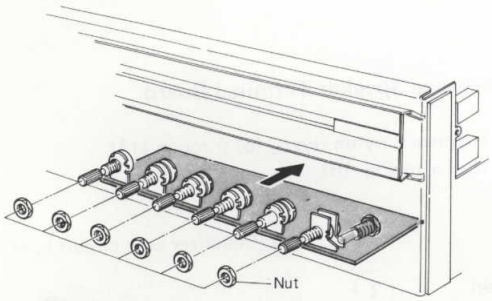


Fig. 8

8. To Remove Tuner Circuit Board

1) Remove 3 screws. (Refer to Fig. 9)

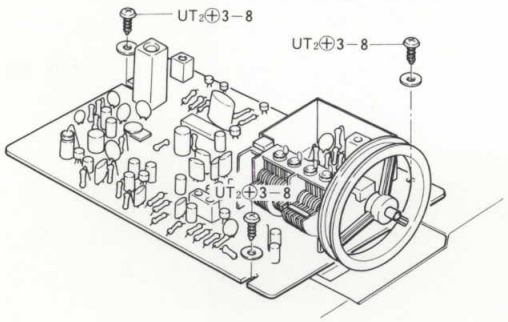


Fig. 9

9. To Remove Main Amp. Circuit Board

1) Pull off the 4 connectors, (1) through (4).
2) Remove 4 screws,
(Refer to Fig. 10)

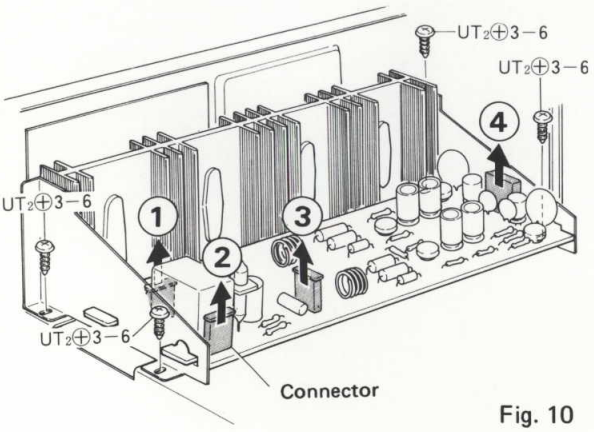


Fig. 10

10. To Remove Power Circuit Board

1) Pull off the 4 connectors, (1) through (4).
2) Remove mounting screw and pull circuit board in arrow direction (5) to remove. (Refer to Fig. 11)

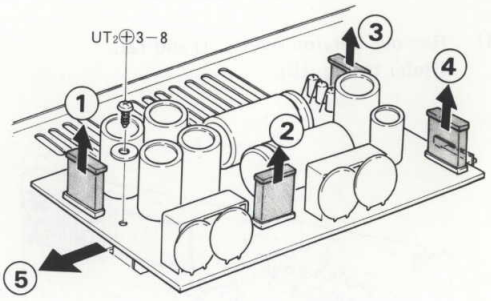


Fig. 11

11. To Remove Muting Circuit Board

1) Pressing the PCB holders (1 , 2) with small pincers or the like, pull the circuit board in arrow direction to remove. (Refer to Fig. 12).

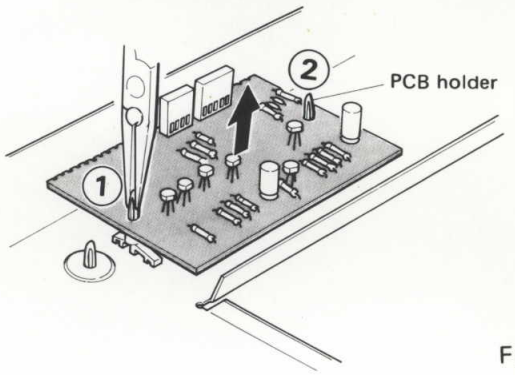


Fig. 12

12. To Remove Meter Reflector and Lamp Circuit Board

1) Remove mounting screw and pull meter reflector in arrow direction to remove.
(Refer to Fig. 13)
2) Press circuit board in arrow 1 direction and pull, in arrow 2 direction to remove.
(Refer to Fig. 14)

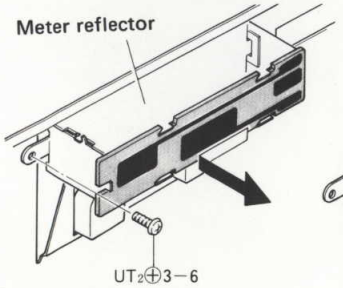


Fig. 13

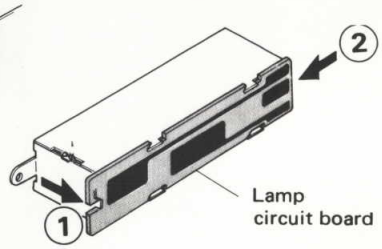


Fig. 14

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13. To Remove Rear Panel Board

1) Remove 7screws,(Refer to Fig. 15).

14. To Remove Antenna Circuit Board

1) Remove 2 nylon rivets, (1) and (2). (Refer to Fig. 15).

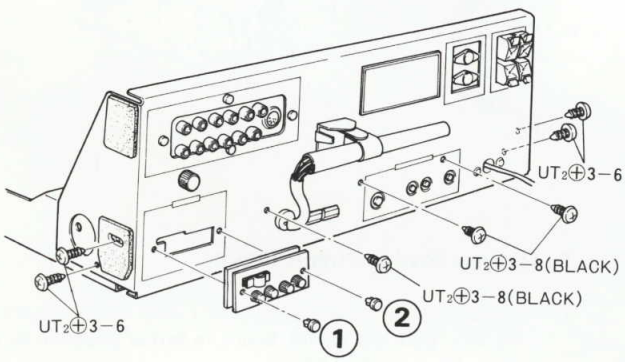


Fig. 15

15. To Remove Jack/Equalizer Amp Circuit Board

1) Using a soldering iron, disconnect one terminal (1) of the capacitor.
2) Remove 4 nylon rivets, (2) through (5). (Refer to Fig. 16).

16. To Remove Speaker Terminal Board

1) Remove 6 nylon rivets, (6) through (11). (Refer to Fig. 16).

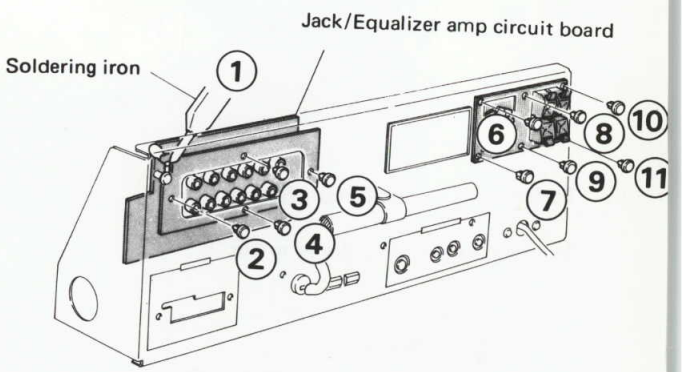


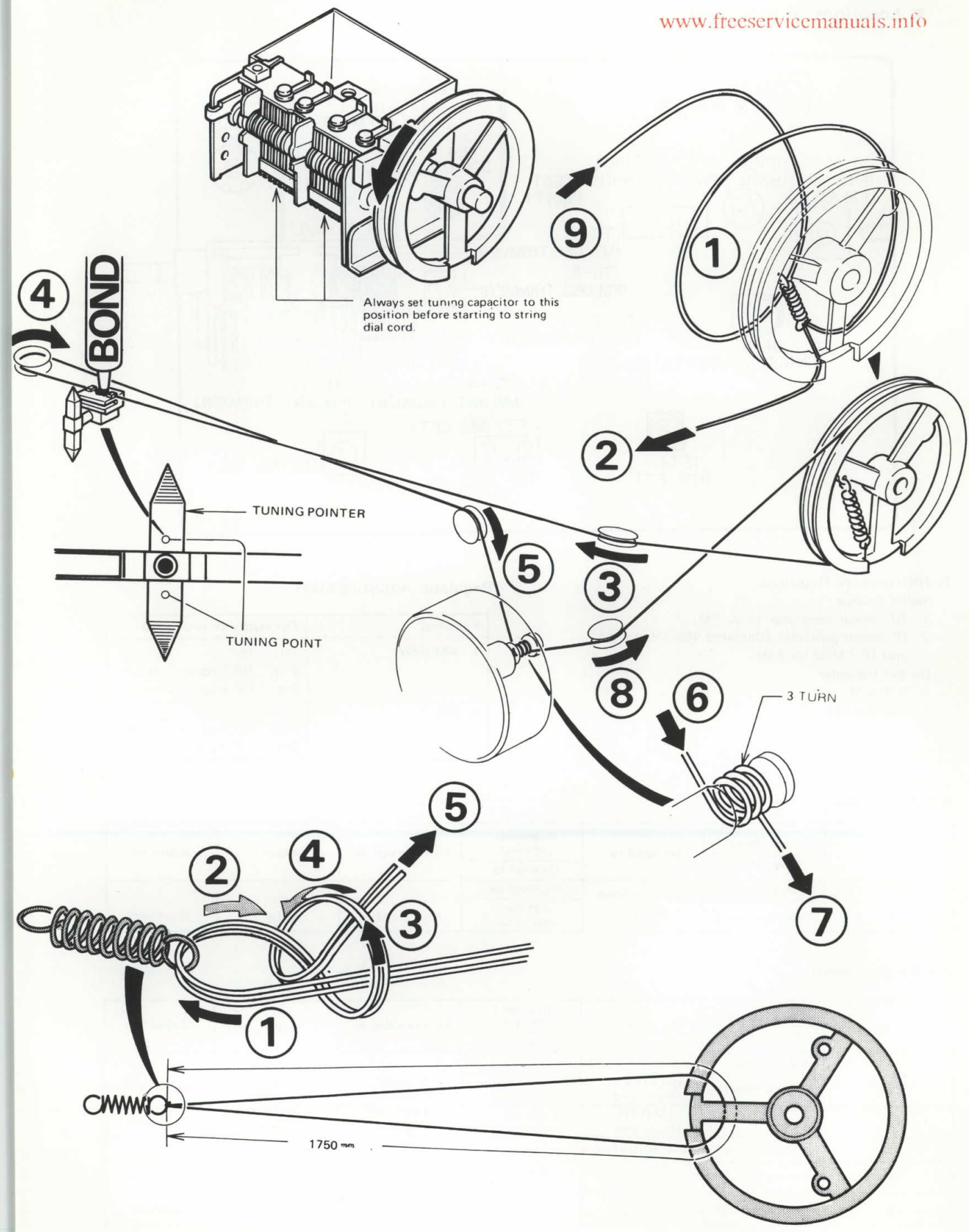
Fig. 16

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DIAL CORD STRINGING

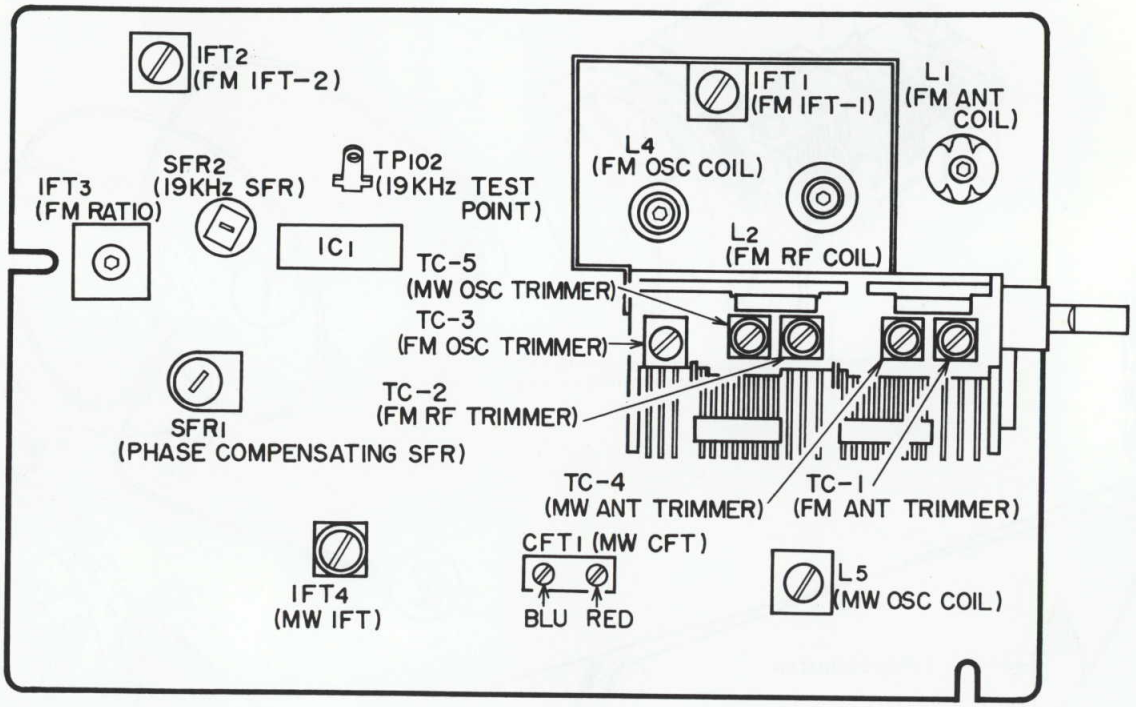


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ADJUSTMENTS OF TUNER SECTION

■ Locations of Main Parts



1. Instruments Required

Signal Source

1. RF Signal generator (AM, FM).
2. IF sweep generator (Centered 455 kHz for AM and 10.7 MHz for FM).

Output Indicator

1. V.T.V.M.
2. Oscilloscope

Regulator Adjusting Steps

For band	For stages on each band
1. AM (MW)	1st: IF 2nd: RF frequency range 3rd: RF tracking
2. FM	1st: IF 2nd: RF frequency range 3rd: RF tracking

AM-IF Alignment

Step	Signal source Connect to	Set signal to	Alignment indicator Connect to	Set radio dial to	Adjust	Adjust for
1	AM IF sweep gen. Antenna terminal	Sweep centered 455 kHz	Oscilloscope AM det. output tab	Min. Freq	CFT1 IFT4	Maximum

MW-RF Alignment

Step	Signal source Connect to	Set signal to	Alignment indicator Connect to	Set radio dial to	Adjust	Adjust for
1	AM signal gen Antenna terminal	MW 515 kHz (Modulated)	V.T.V.M. AM det. output tab	515 kHz (Low end)	L5 (OSC coil)	Maximum
2	Antenna terminal	1650 kHz (Modulated)	AM det. output tab	1650 kHz (High end)	TC-5 (OSC trim.)	Maximum
3	(Repeat steps 1 and 2 to obtain frequency range.)					
4	Antenna terminal	600 kHz (Modulated)	AM det. output tab	600 kHz	L901 (ANT coil)	Maximum
5	Antenna terminal	1400 kHz (Modulated)	AM det. output tab	1400 kHz	TC-4 (ANT trim.)	Maximum
6	(Repeat steps 4 and 5 to minimize tracking error, and also step 3 if necessary.)					

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FM-IF Alignment

Step	Signal source / Connect to	Set signal to	Alignment indicator / Connect to	Set radio dial to	Adjust	Adjust for
1	FM IF sweep gen. / Antenna terminal	Sweep centered 10.7 MHz	Oscilloscope / FM det. output tab	Max. Freq.	IFT1 IFT2	Max. Symmetrical response, equal heights
2	Antenna terminal	Sweep centered 10.7 MHz	FM det. output tab	Max. Freq.	IFT3	Symmetrical response, centered 10.7 MHz
3	(Repeat 1 and 2 to obtain a balanced "S" curve linearity.)					

FM-RF Alignment

Step	Signal source / Connect to	Set signal to	Alignment indicator / Connect to	Set radio dial to	Adjust	Adjust for
1	FM signal gen. / Antenna terminal	88 MHz (Modulated)	V.T.V.M. / FM det. output tab	88 MHz	L4 (OSC coil)	Maximum
2	Antenna terminal	107 MHz (Modulated)	FM det. output tab	107 MHz	TC-3 (OSC trim.)	Maximum
3	(Repeat steps 1 and 2 to obtain frequency range.)					
4	Antenna terminal	88 MHz (Modulated)	FM det. output tab	88 MHz	L1 (ANT coil) L2 (RFcoil)	Maximum
5	Antenna terminal	107 MHz (Modulated)	FM det. output tab	107 MHz	TC-1 (ANT trim) TC-2 (RF trim)	Maximum
6	(Repeat steps 4 and 5 to minimize tracking error, and step 3 if necessary.)					

MPX Adjustment

- **19 kHz**

Conditions:
Selector switch: FM
ST/MONO switch: MONO
Dial position: detuned from station
Adjust SFR2 for 19kHz ± 50Hz frequency at 19kHz test point (TP102).

- **MPX**

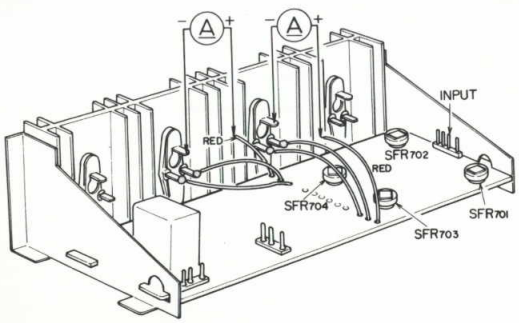
Conditions:
Carrier frequency: 96 MHz
Modulation: Pilot signal 10%
Composite signal 90%
Modulation frequency: 1 kHz
Tune dial to 96 MHz and adjust SFR1 for optimum separation (40 dB).

How to change the upper limit of FM frequency range from 107 MHz to 103 MHz.

Symbol No.	Description	107 MHz		103 MHz	
L2	FM COIL		82-473-730-01		99-473-001-01
C1	Ceramic Capacitor	6pF	88-213-060-01	12pF	88-213-120-01
C4	Ceramic Capacitor	6pF	88-213-060-01	18pF	88-213-180-01
C31	Ceramic Capacitor	22pF SH	88-251-212-01	24pF SH	88-251-222-01

ADJUSTMENTS OF MAIN AMP.

■ **Location of Main Parts.**



1. Idling Current

Short input terminals. Disconnect TR711 (712) collector lead (red) and connect current meter. Adjust idling current trimmer resistor SFR701 (702) for 30 mA idling current.

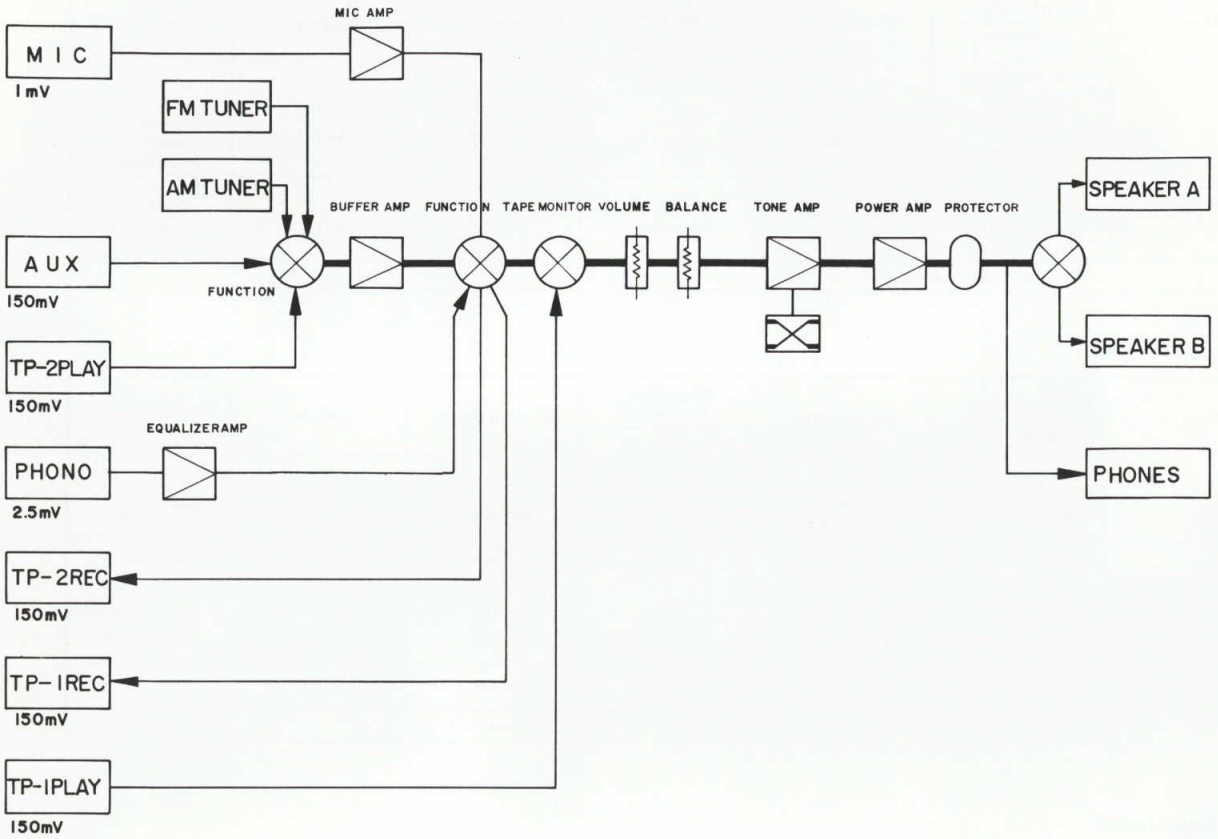
2. DC Balance

After adjusting the idling current, adjust DC balance trimmer resistor SFR703 (704) for O V potential at speaker terminals.

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BLOCK DIAGRAM

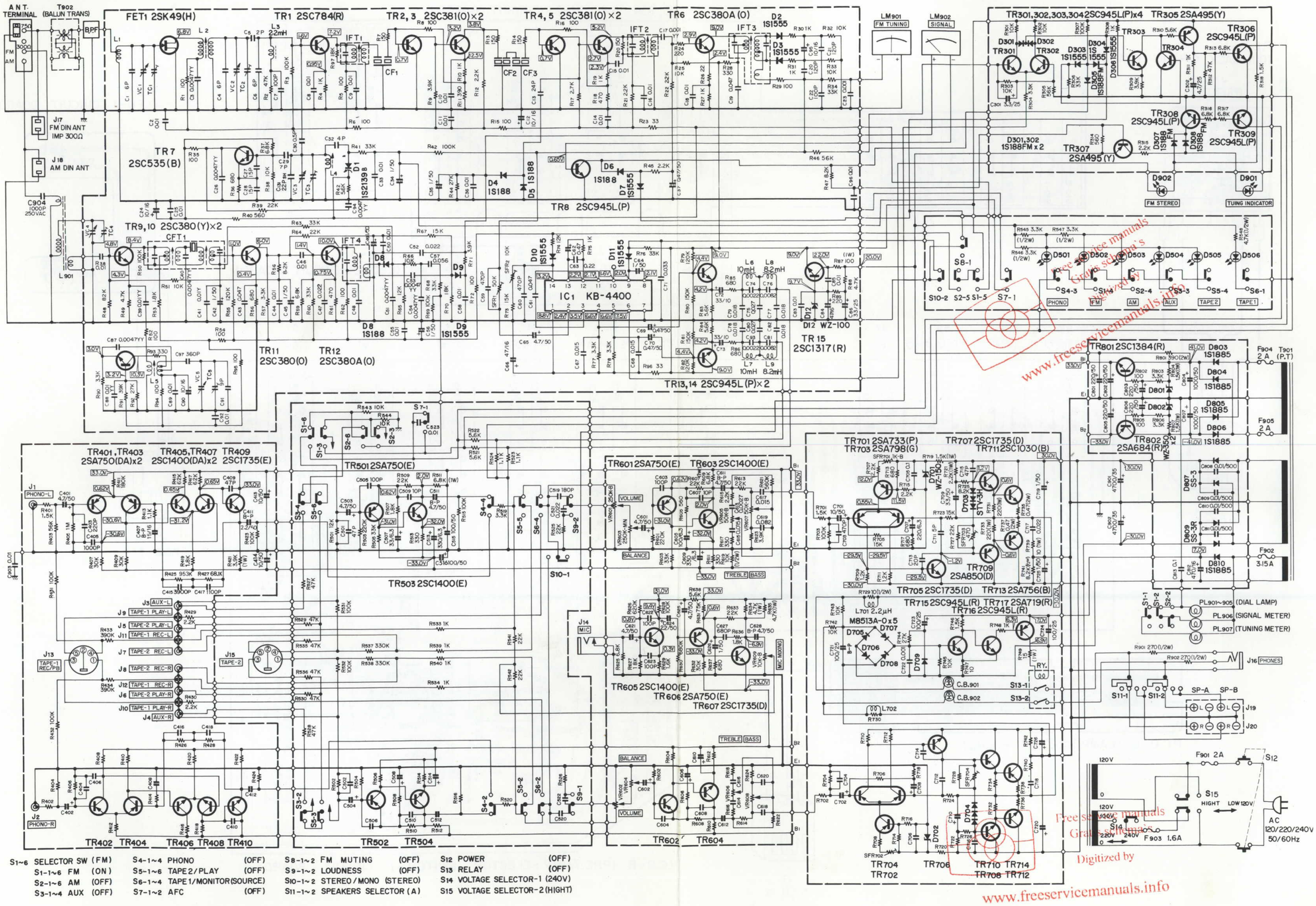


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SCHEMATIC DIAGRAM



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SELECTOR SWITCH-2, PRE AMP/SELECTOR SWITCH-1, LAMP, LED-1 & DIN JACK CIRCUIT BOARD

P.C.B-L
(DIN JACK CIRCUIT BOARD)

J15
TAPE-2

82 473 601 01

YEL GRN BRN GRY

YEL GRN GRY BRN

6
⇩
P.C.B-B

P.C.B-C (SELECTOR SWITCH-2 CIRCUIT BOARD)

S10-2 S10-1 S9-2 S9-1 S8-2 S8-1 S7-2 S7-1

S6-4 S6-2 S6-3 S6-1 S5-6 S5-3 S5-5 S5-2 S5-4 S5-1 S4-4 S4-2 S4-3 S4-1 S3-4 S3-2 S3-3 S3-1 S2-6 S2-3 S2-5 S2-2 S2-4 S2-1 S1-6 S1-3 S1-5 S1-2 S1-4 S1-1

YEL RED ORG GRN

P.C.B-J
(LED-2 CIRCUIT BOARD)

D506 D505 D501 D504

S10 STEREO | S9 LOUDNESS | S8 FM MUTING | S7 AFC | S6 TAPE1/MONITOR | S5 TAPE2/PLAY | S4 PHONO | S3 AUX | S2 AM | S1 FM

P.C.B-I
(LED-1 CIRCUIT BOARD)

FM D502 AM D503

WHT BRN RED

10
⇩
P.C.B-B

PL907 (FM TUNING METER) PL906 (SIGNAL METER)

82 473 670 01

WHT BRN BLK

P.C.B-L (LAMP CIRCUIT BOARD)

BLK BRN WHT

I
⇩
P.C.B-B

C519 C522 C521 C520 R525 R526 R519 R520 R549 R546 R547 R548 R541 R542 R533 R534 R539 R540 R531 R532 R538 R537 R535 R536 R530 R529 R527 R528 R543 R544 R522 R521 C507 R507 R523 R524 C515 C511 C513 R513 R511 R515 R509 C509 C505 R503 C501 R501 R505 R506 C514 R514 R512 C516 C512 R516 C510 R510 C508 R508 C502 R502 C504 C503

32.5V -32.0V TR503 0.62V
2.0V -31.0V TR501 -31.0V
-31.0V TR502 -31.0V
-33.5V 2.0V -32.0V TR504 0.62V

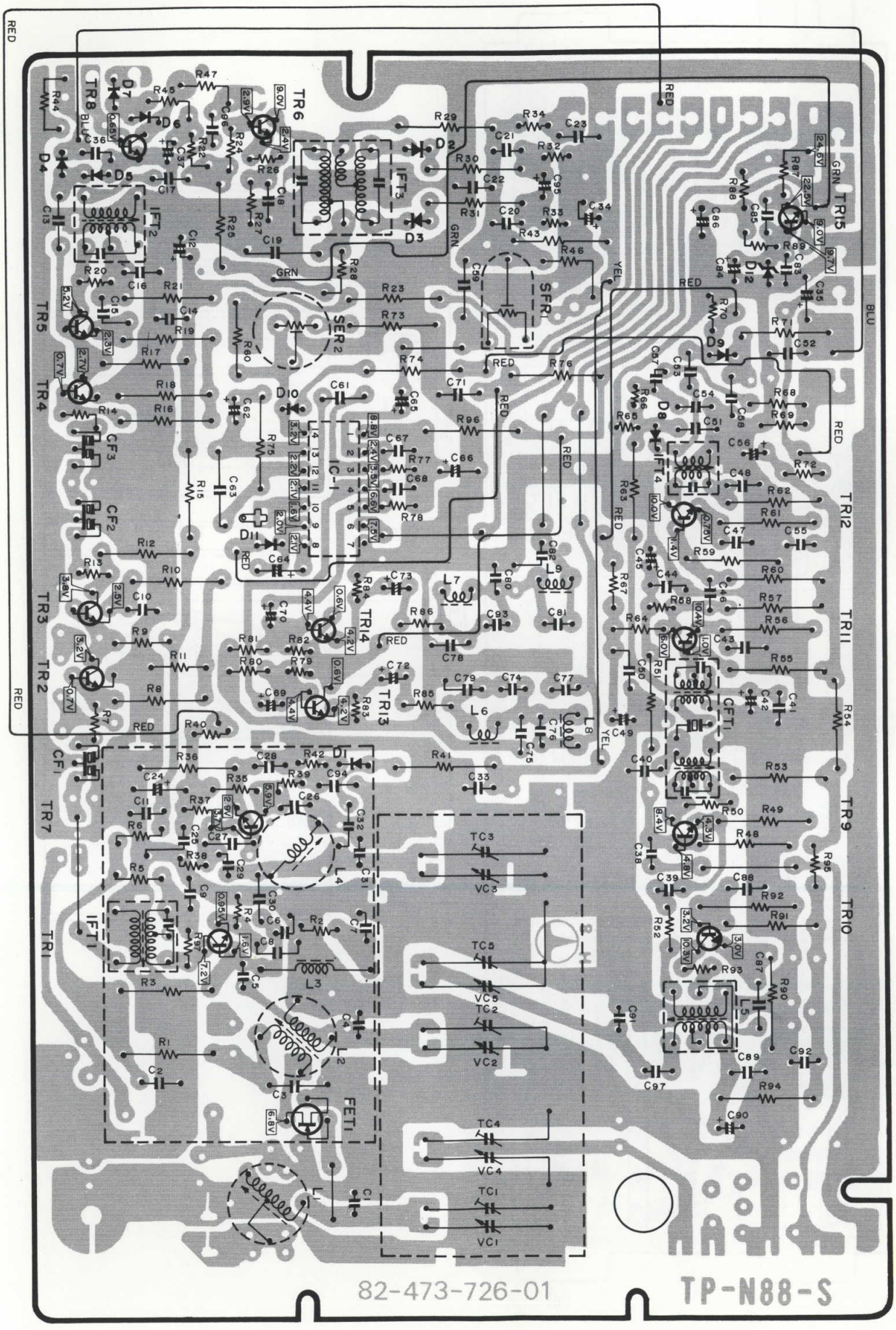
ORG YEL RED GRN

P.C.B-B (PRE AMP / SELECTOR SWITCH-1 CIRCUIT BOARD)

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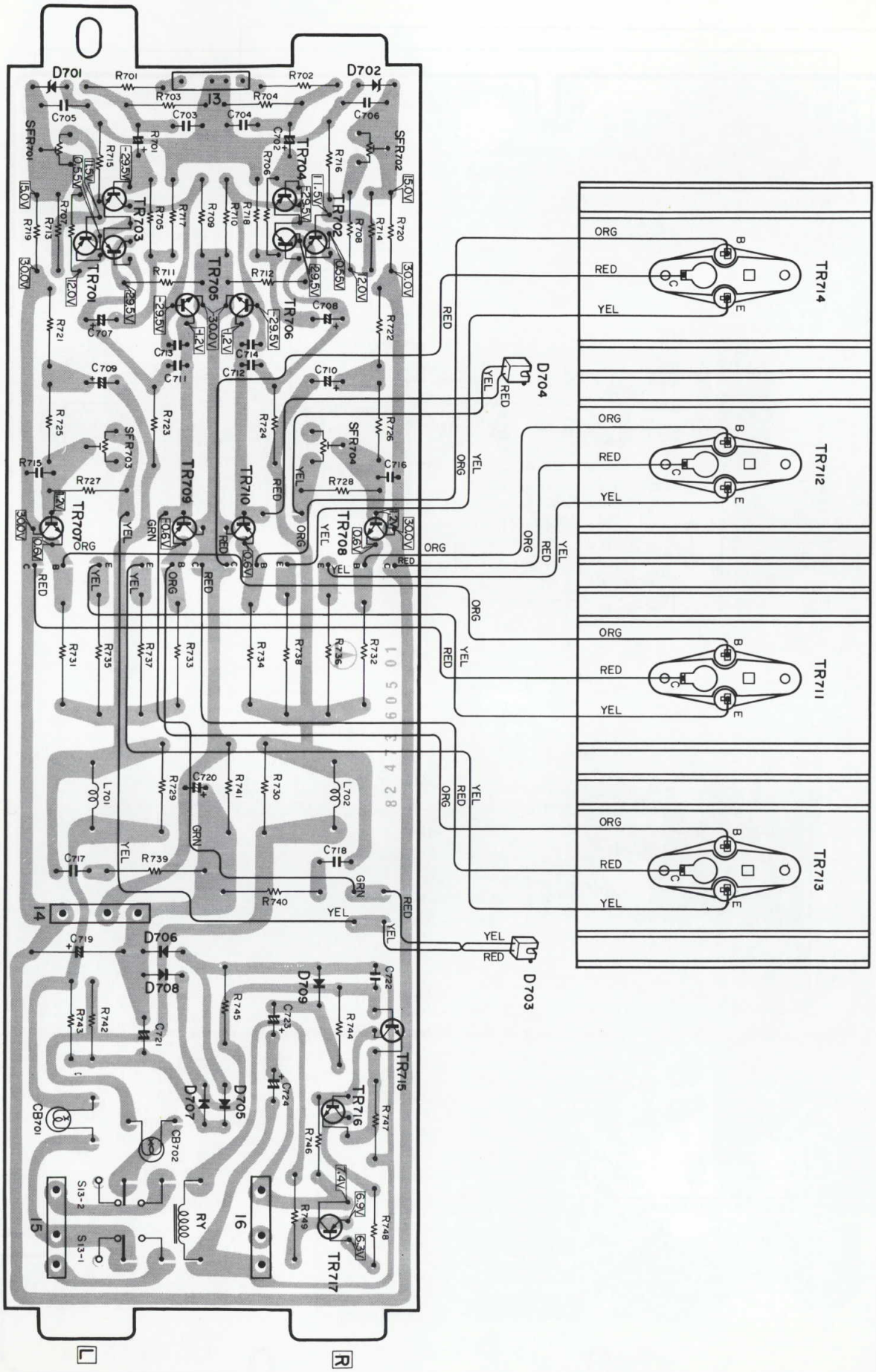
TUNER CIRCUIT BOARD



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MAIN AMP CIRCUIT BOARD

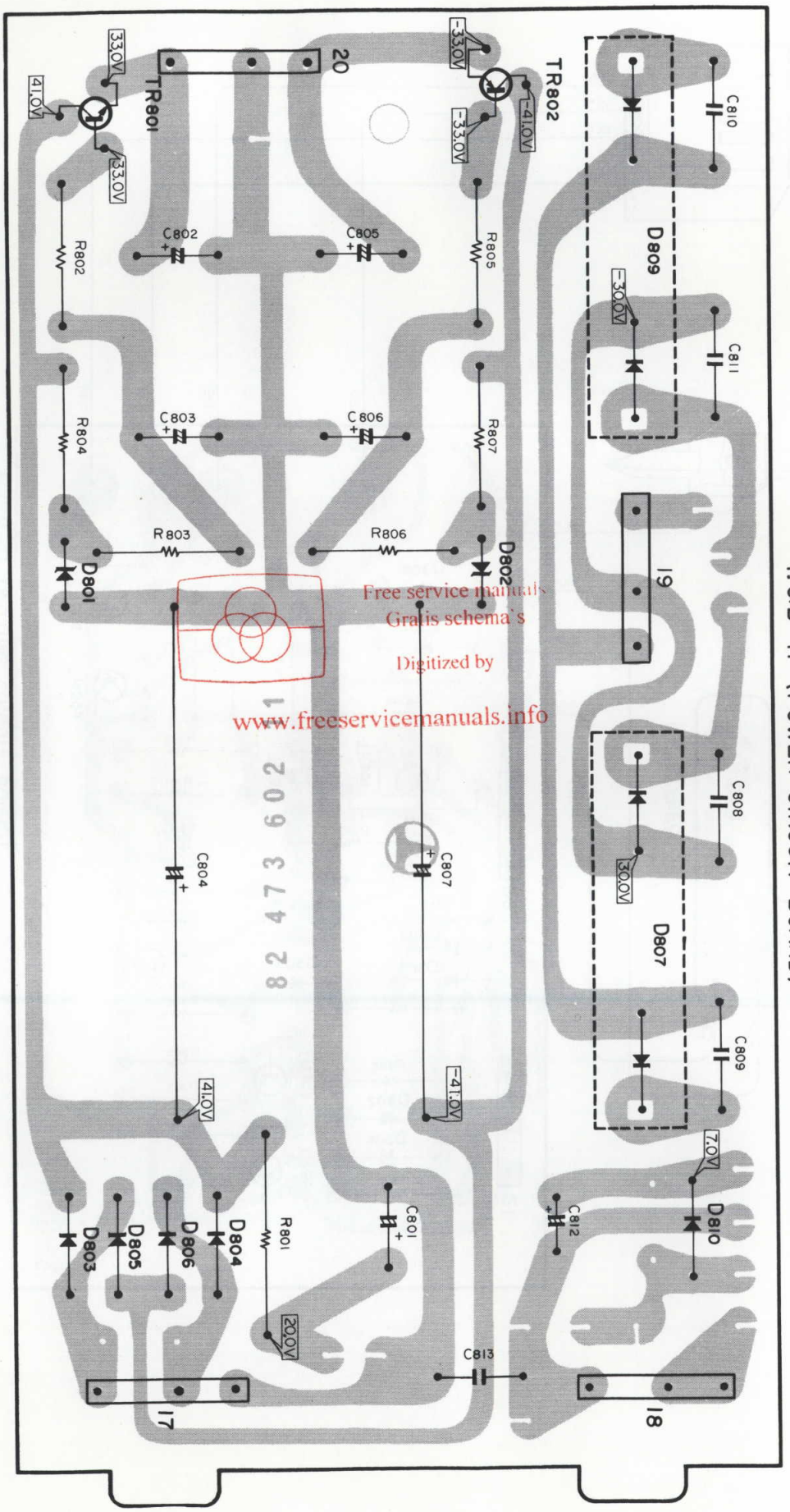


P.C.B-F (MAIN AMP CIRCUIT BOARD)

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POWER CIRCUIT BOARD

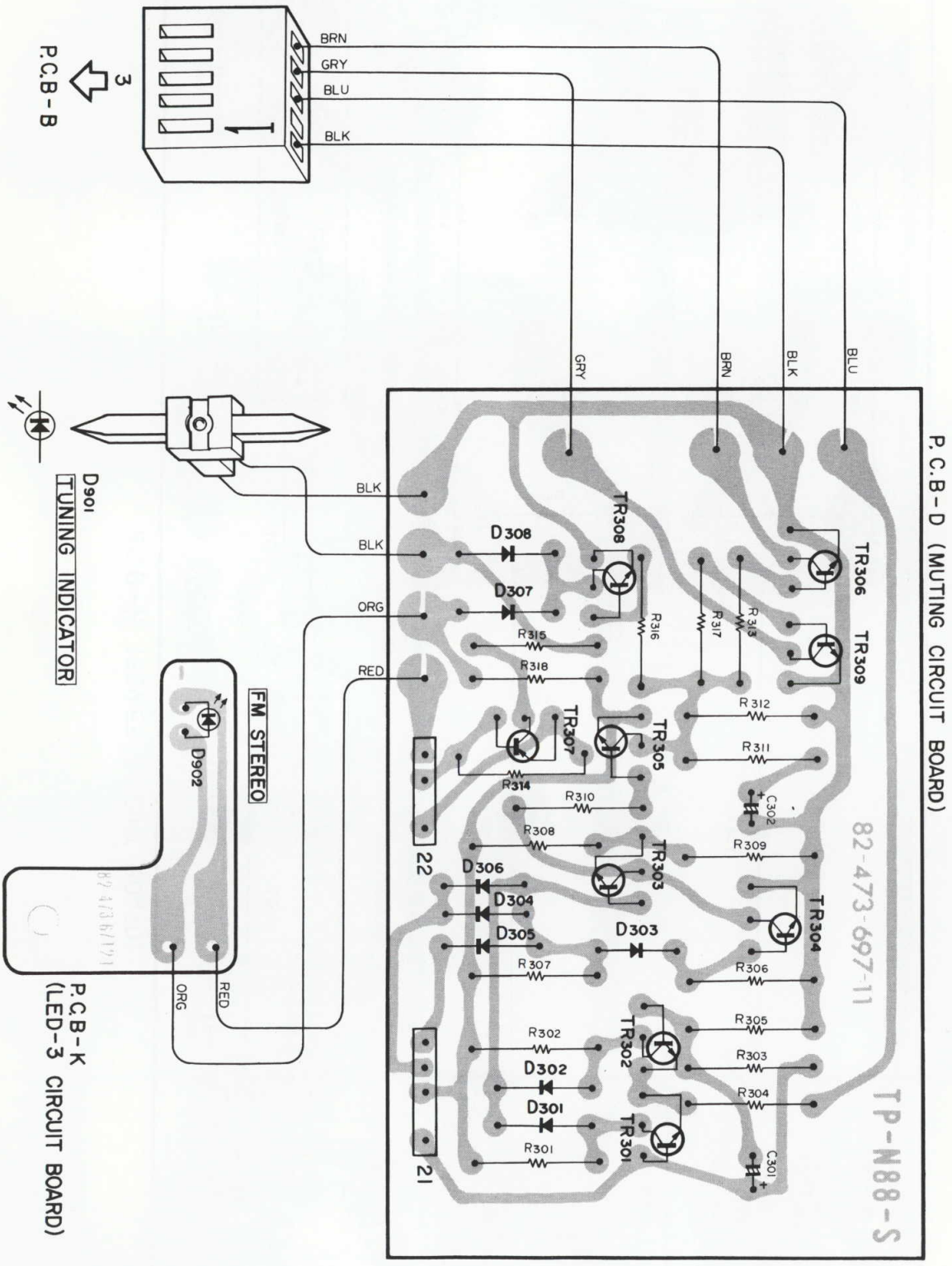


P.C.B-H (POWER CIRCUIT BOARD)

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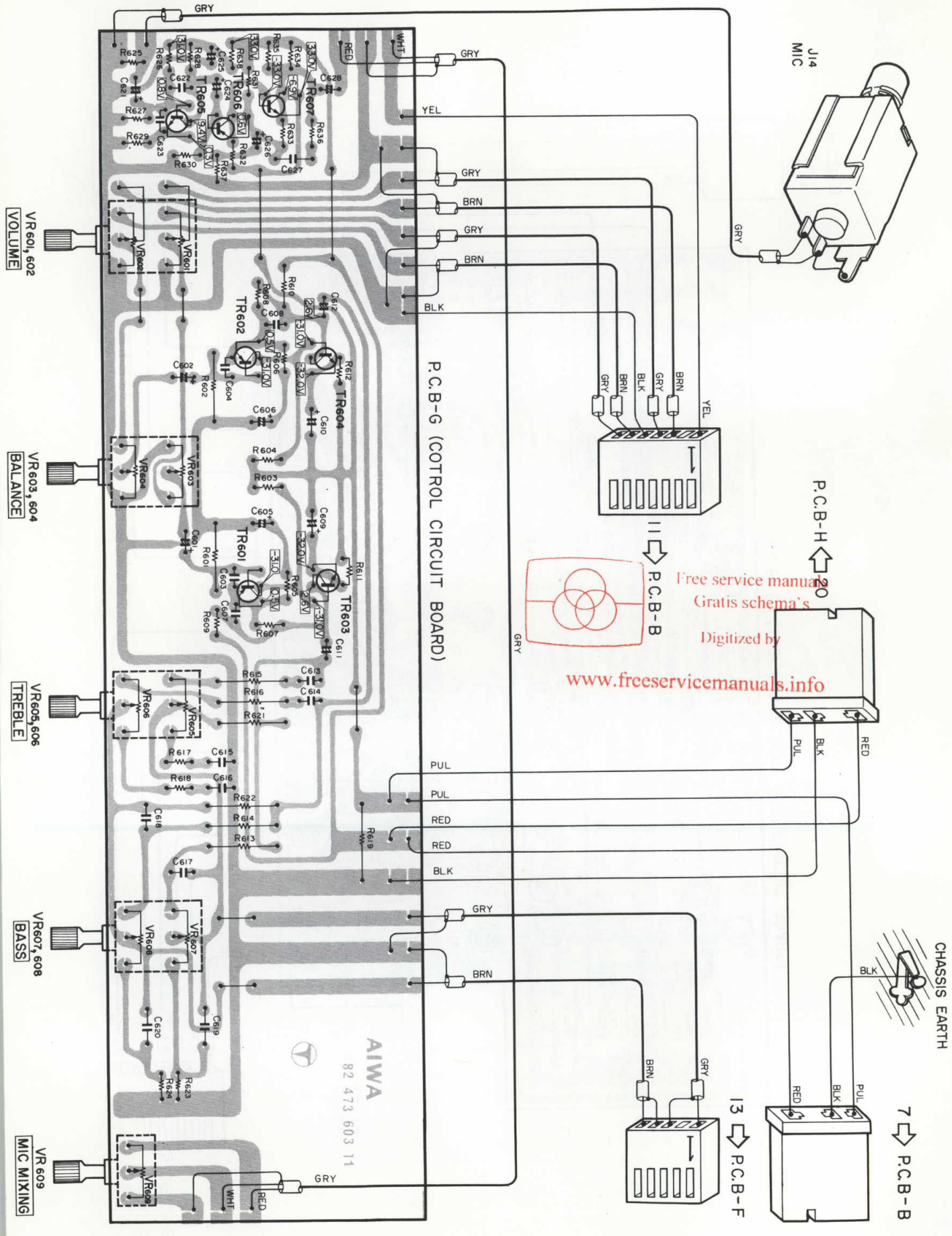
MUTING & LED-3 CIRCUIT BOARD



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CONTROL CIRCUIT BOARD

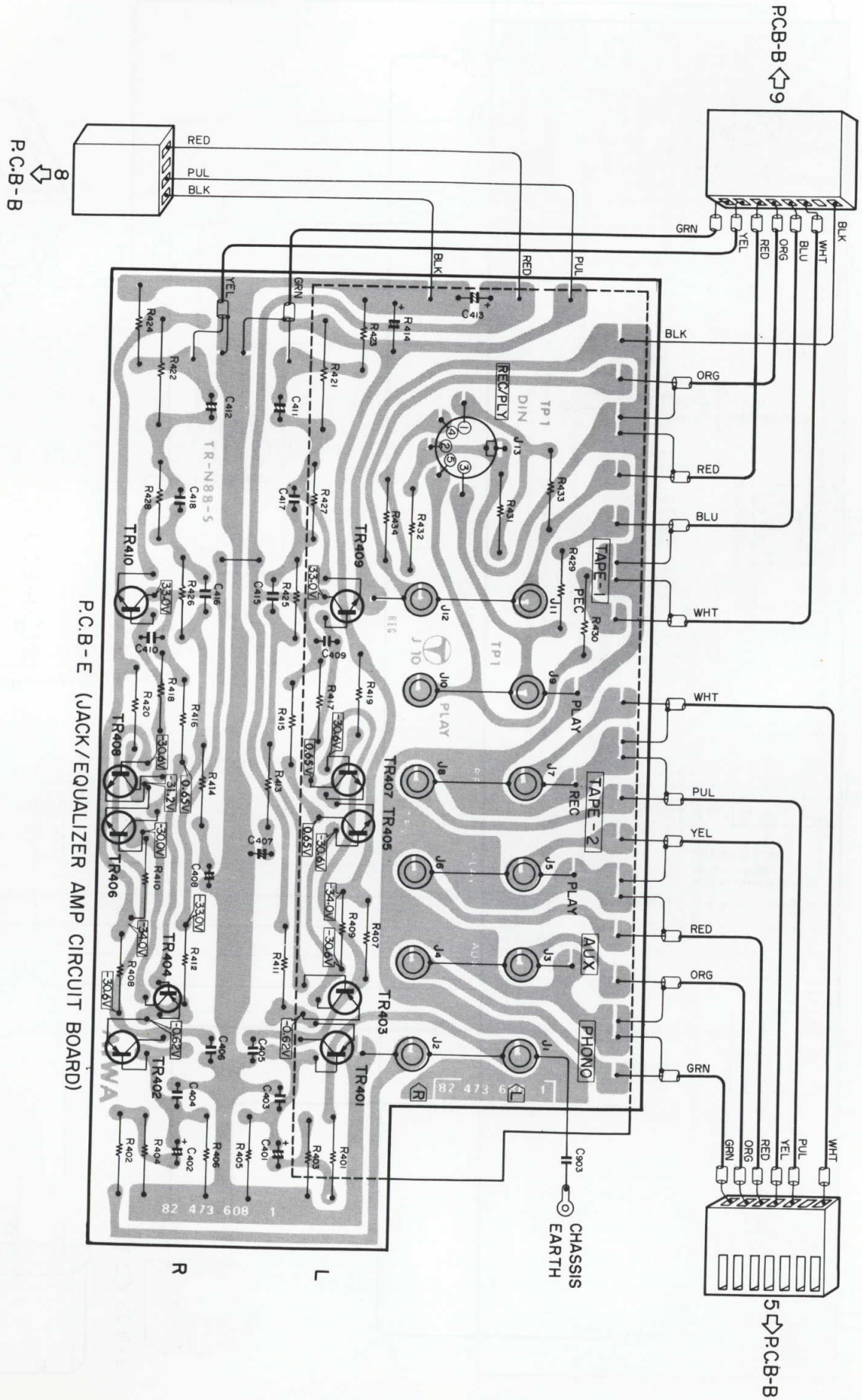


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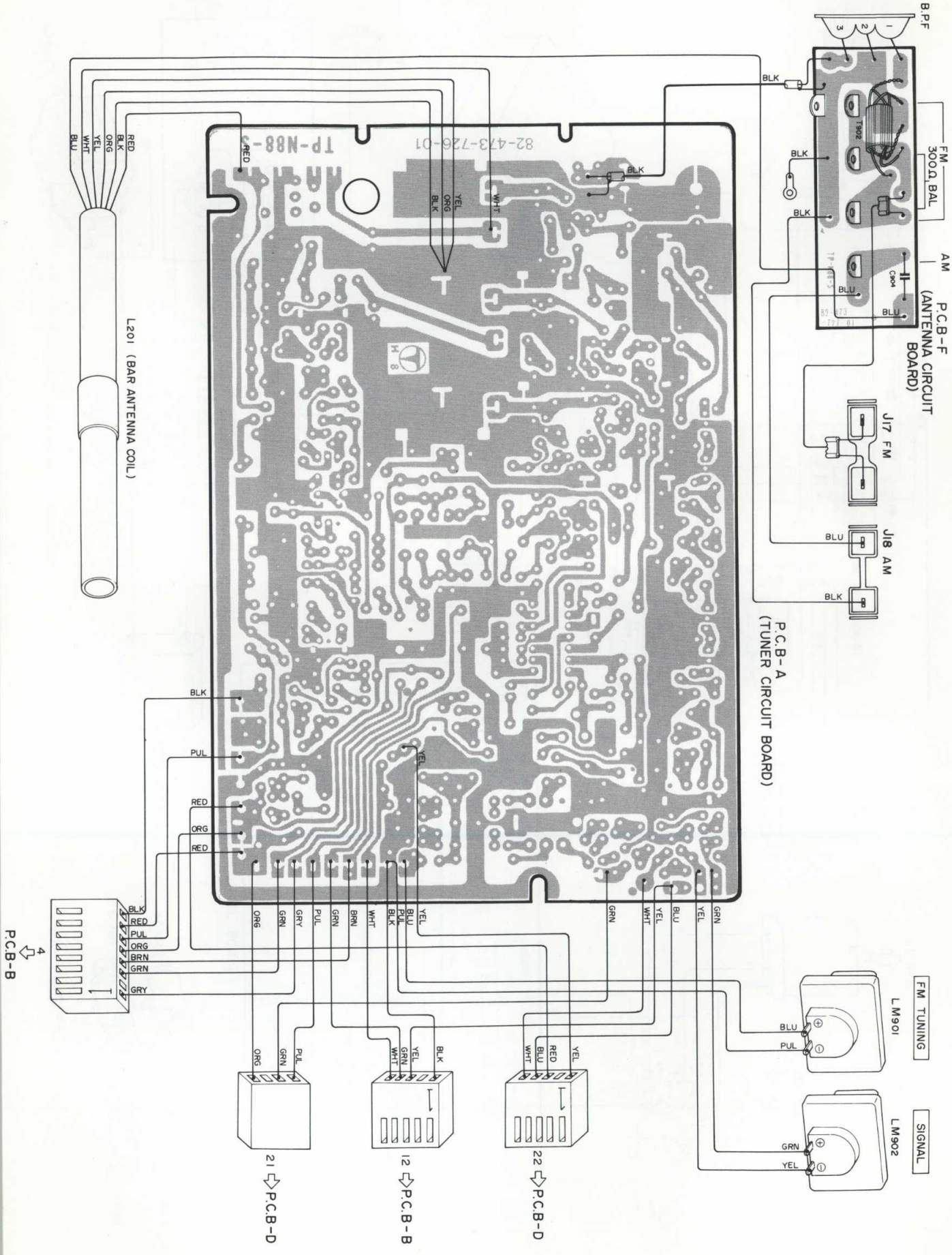
JACK/EQUALIZER AMP CIRCUIT BOARD



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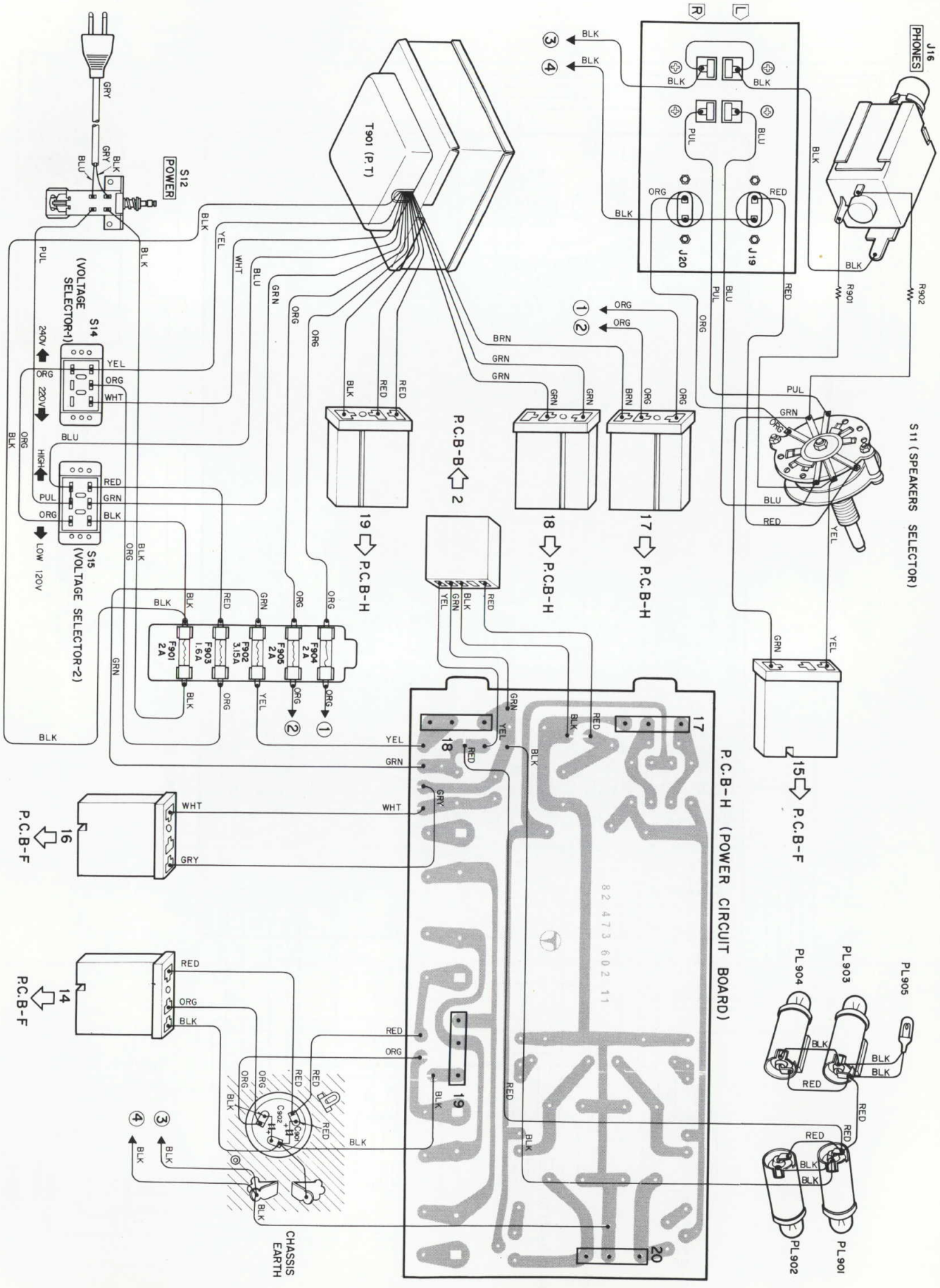
WIRING (TUNER CIRCUIT BOARD)



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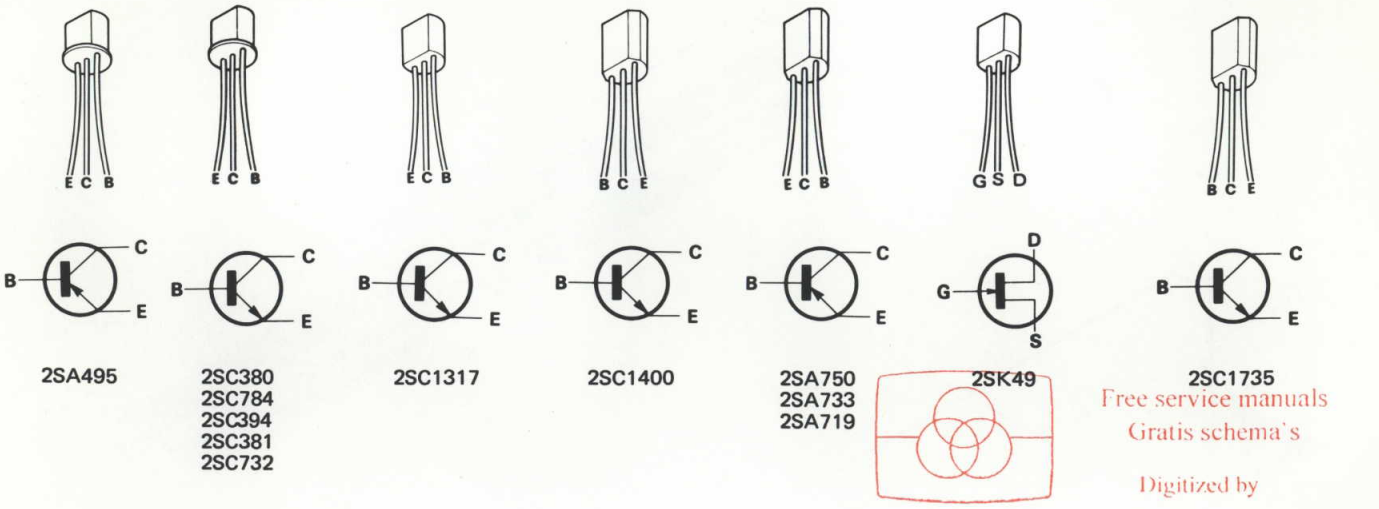
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WIRING (POWER CIRCUIT BOARD)

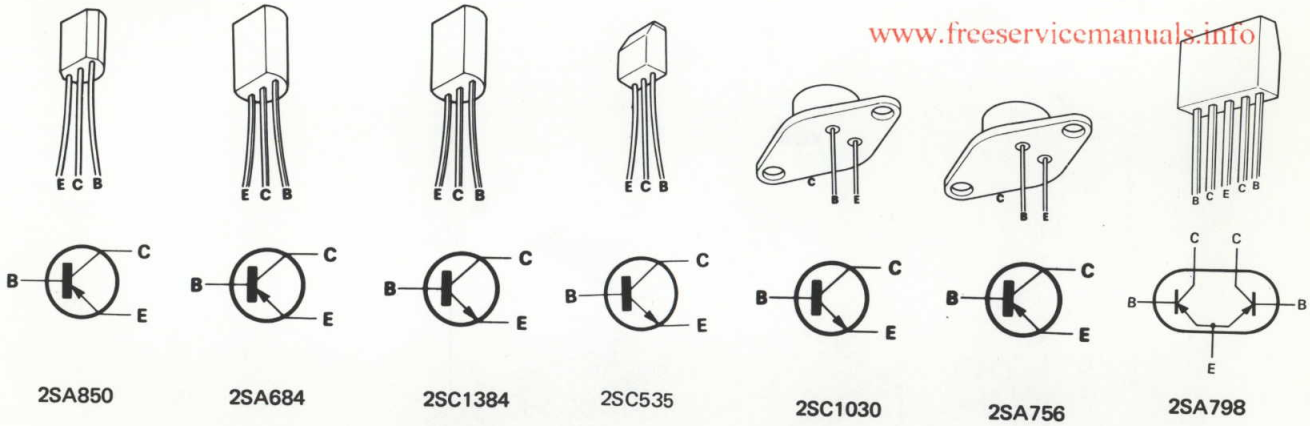


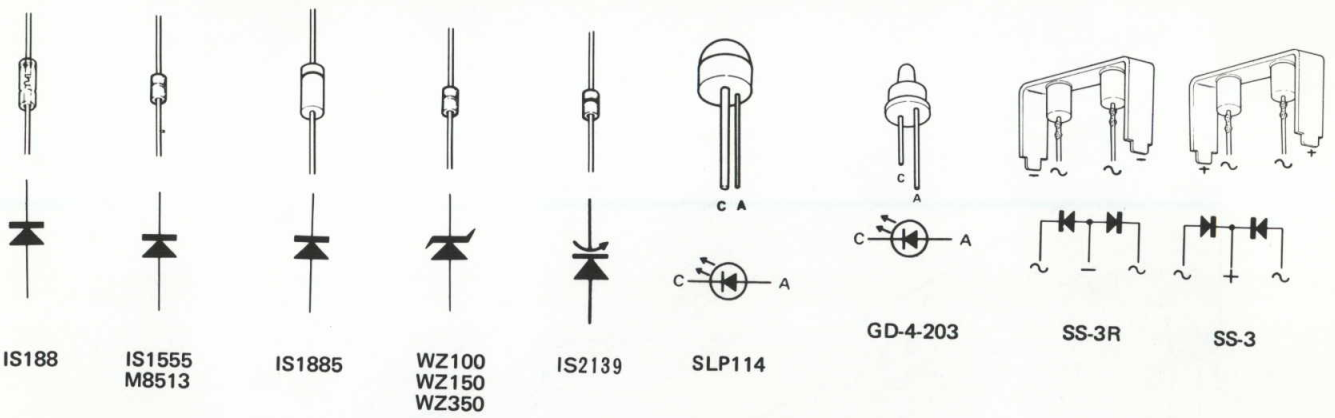
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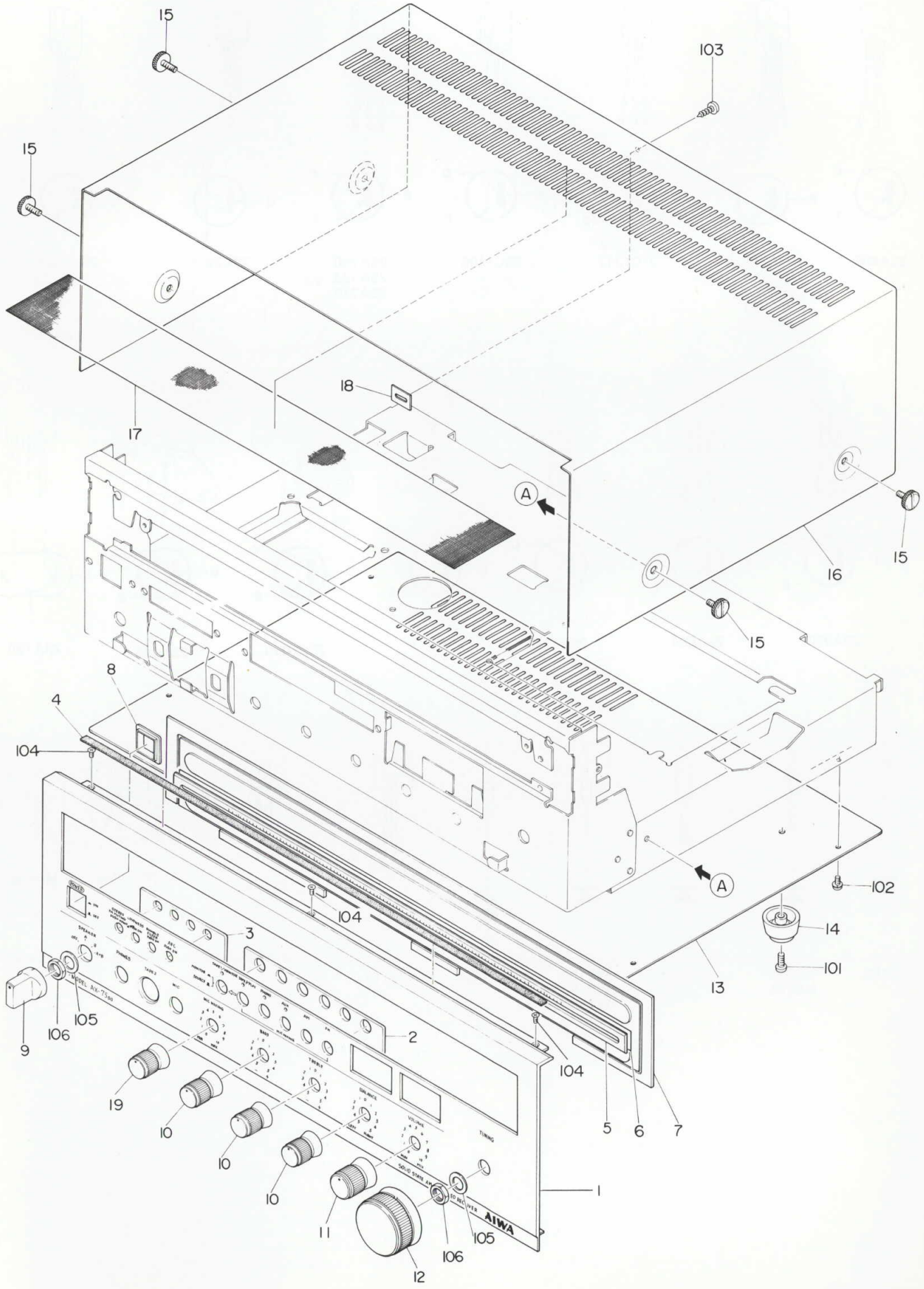




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EXPLODED VIEW-1



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MECHANICAL PARTS

PARTS LIST

■ * mark in this part list shows exclusive part (which is used) for only Model AX-7550.

Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
1~8	80-004-734-4N		Panel Assembly		
1-1	82-473-072-01		Front panel		1
1-2	82-473-238-01		Guide B, Button	AX-7500	1
1-3	82-473-237-01		Guide A, Button		1
1-4	82-473-273-01		Spacer, Top panel		1
1-5	82-473-005-01		Scale board, Tuning dial		1
1-6	82-473-009-01		Half mirror		1
1-7	82-473-006-01		Window, tuning dial		1
1-8	82-380-026-01		Guide, Power button	AD-6500	1
1-9	82-473-061-01		Speaker knob ass'y		1
1-10	82-473-067-01		Knob, Tone		1
1-11	82-473-068-01		Knob, Volume		3
1-12	82-473-060-01		Tuning knob ass'y		1
1-13	82-473-004-01		Bottom plate		1
1-14	87-085-141-01		Leg		4
1-15	82-473-047-01		Screw, Top panel		4
1-16	82-380-002-01		Top panel	AD-6500	1
1-17	82-473-239-01		Net		1
1-18	82-380-430-01		Spacer, Rear panel	AD-6500	1
1-19	82-473-069-01		MIC MIX knob ass'y		1

Ref. No.	Part No.	Description	Q'ty
1-101	87-263-171-01	V + 4-10	4
1-102	87-257-092-01	U + 3-4 (Black)	5
1-103	87-081-402-01	UT_2 + 3-8 (Black)	1
1-104	87-233-094-01	Q + 3-6	3

Ref. No.	Part No.	Description	Q'ty
1-105	87-410-340-01	W9-16-0.5	2
1-106	87-081-253-01	N-9	2

HARDWARE NOMENCLATURE

V: Pan head screw

U: Binding head screw

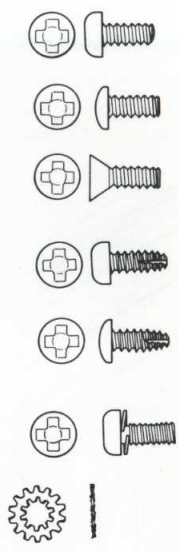
Q: Flat countersunk head screw

VT_2: Pan head tapping screw

UT_2: Binding head tapping screw

VS: Pan head screw with spring washer

WTIE: Crown washer



W: Washer

FW: Fiber washer

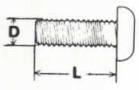
SW: Spring washer

LB: Lug terminal plate

N: Nut



Example:



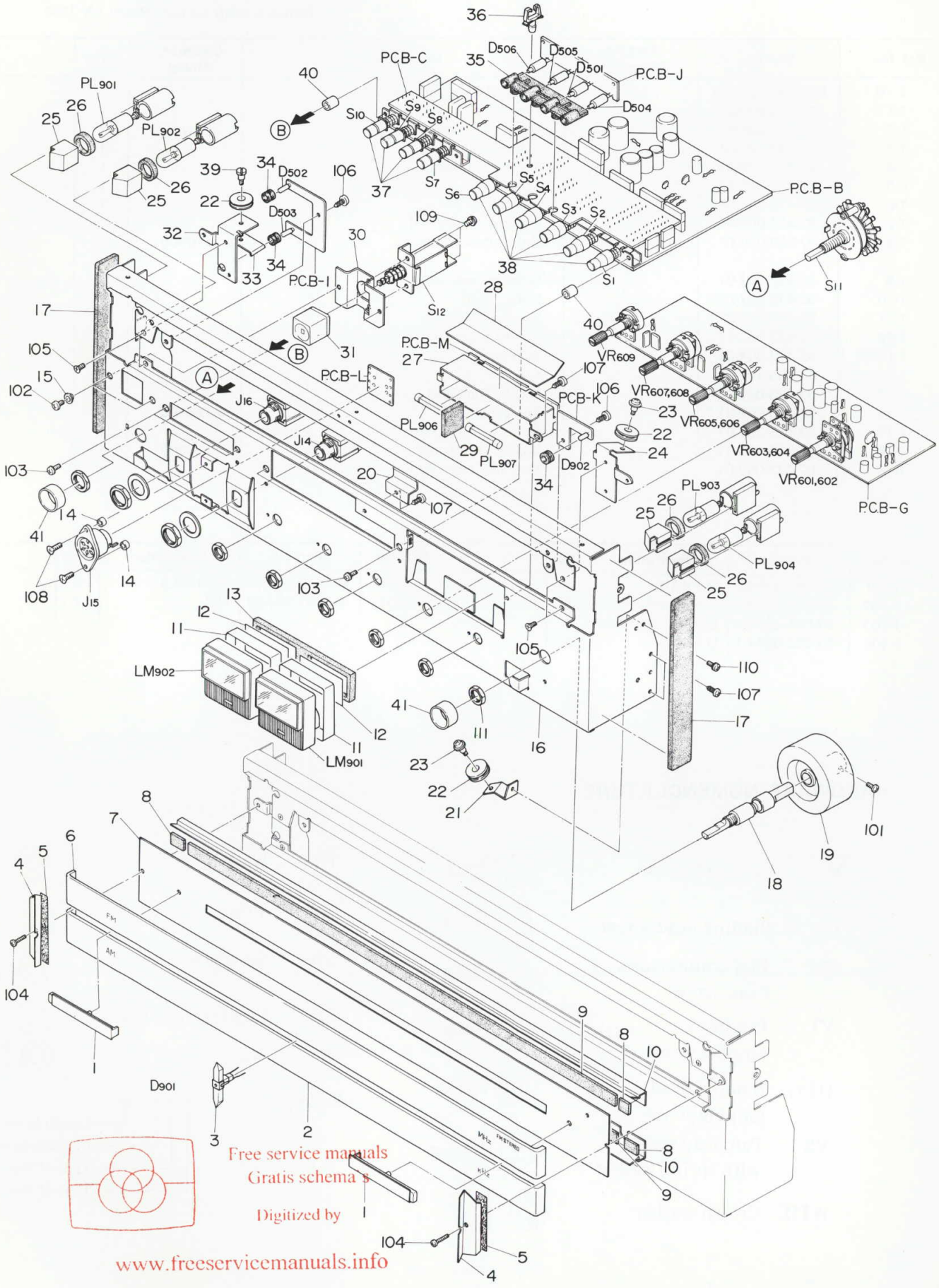
V + 3 – 6

- Length in mm
- Diameter in mm
- Type of Slot
- Type of Head

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EXPLODED VIEW-2



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Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
2-1	82-473-043-01		Spacer, dial plate	*	2
2-2	82-473-035-01		Dial plate, Lower	*	1
2-3	82-473-015-01		Pointer ass'y	*	1
2-4	82-473-037-01		Holder B, Dial plate	*	2
2-5	82-473-224-01		Himeron, Reflector-blocking	*	2
2-6	82-473-071-01		Dial plate, Upper	*	1
2-7	82-473-007-01		Decorative plate, Tuning dial	*	1
2-8	82-473-226-01		Sub-cushion, Dial plate	*	4
2-9	82-473-223-01		Cushion, Dial plate	*	2
2-10	82-473-008-01		Holder A, Dial plate	*	2
2-11	82-473-243-01		Masking tape, Meter	*	2
2-12	82-473-246-01		Filter, Meter	*	2
2-13	82-473-233-01		Cushion, Meter	*	1
2-14	82-473-251-01		Collar, DIN jack	*	2
2-15	82-380-292-01		Collar, AC holder		6
2-16	82-473-202-01		Chassis, Front	*	1
2-17	82-380-455-01		Spacer C, Side panel	AD-6500	2
2-18	82-473-207-01		Tuning shaft ass'y	*	1
2-19	82-473-259-01		Flywheel, Tuning	*	1
2-20	82-473-244-01		Holder; Rear, Dial plate	*	1
2-21	82-473-216-01		Roller holder C	*	1
2-22	82-473-220-01		Roller	*	3
2-23	87-081-483-01		Motor screw		2
2-24	82-473-215-01		Roller holder B	*	1
2-25	82-473-231-01		Reflector board	*	4
2-26	82-473-232-01		Cushion, Lamp	*	4
2-27	82-470-212-01		Reflector board, Meter		1
2-28	82-473-225-01		Himeron cloth; Reflector board, Meter	*	1
2-29	82-473-234-01		Partition plate, Meter	*	1
2-30	82-473-258-01		Holder, AC swtich	*	1
2-31	82-380-013-01		AC button ass'y		1
2-32	82-473-214-01		Roller holder A	*	1
2-33	82-473-255-01		Adjusting plate, Roller	*	1
2-34	82-463-216-01		Rubber bushing	TPR-900	3
2-35	82-473-274-01		Lamp bushing UL	*	1
2-36	87-064-038-01		Wire clip A		1
2-37	82-473-029-01		Push-button B	*	4
2-38	82-473-027-01		Push-button A	*	6
2-39	82-473-254-01		Adjusting screw, Roller	*	1
2-40	82-473-261-01		Push collar	*	4
2-41	82-473-262-01		Stopper collar	*	2

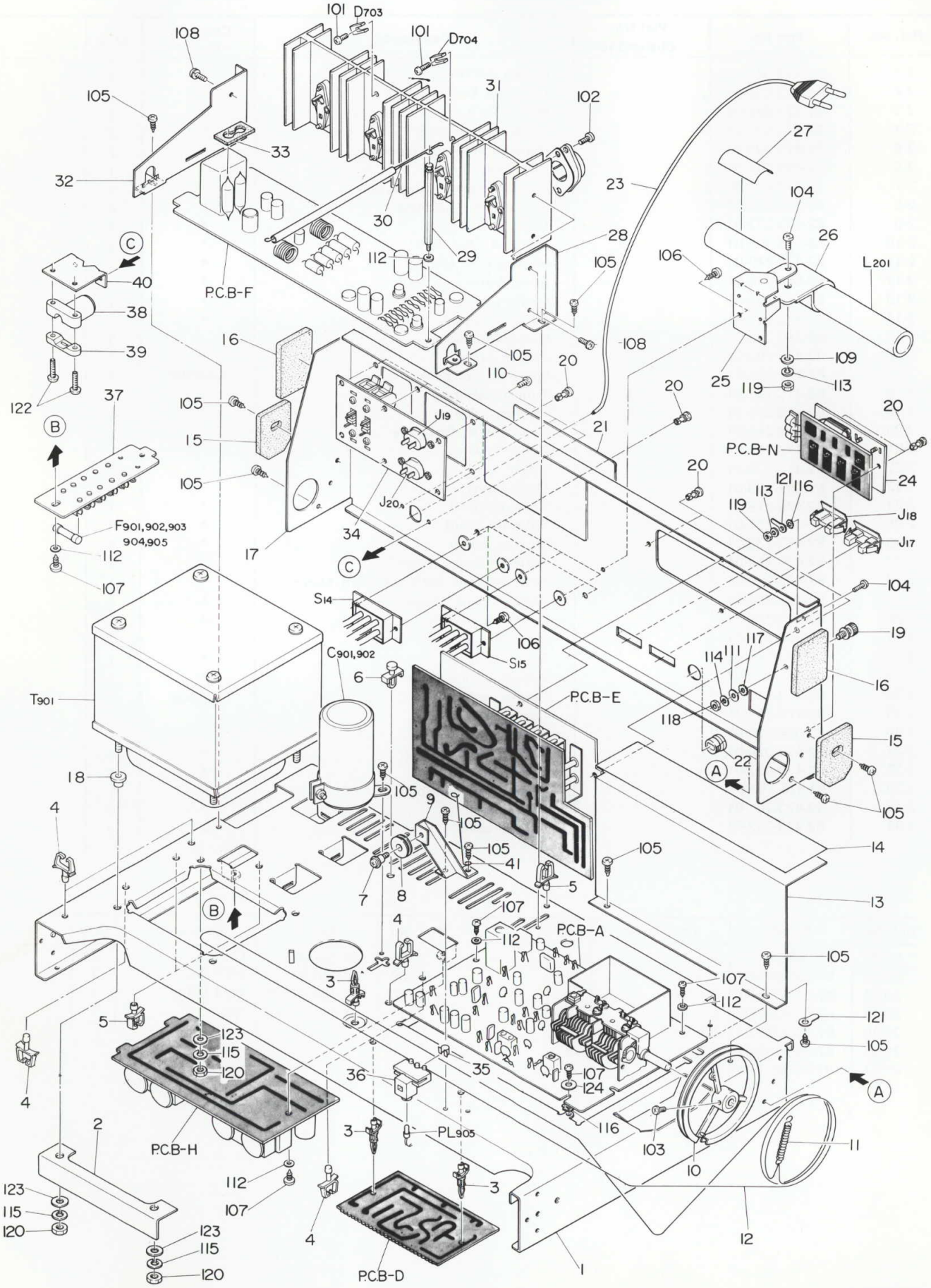
Ref. No.	Part No.	Description	Q'ty
2-101	87-263-094-01	V + 3-6	1
2-102	87-263-093-01	V + 3-5	2
2-103	87-253-095-01	U + 3-8	4
2-104	87-253-075-01	U + 2.6-10	2
2-105	87-233-072-01	Q + 2.6-5	4
2-106	87-353-093-01	VT_2 + 3.5	2
2-107	87-343-094-01	UT_2 + 3-6	8

Ref. No.	Part No.	Description	Q'ty
2-108	87-231-036-01	Q + 2-8	2
2-109	87-480-093-01	VS + 3-5	2
2-110	87-480-072-01	VS + 2.6-5	1
2-111	87-081-253-01	N-9	1

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Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
3-1	82-473-205-01		Chassis	*	1
3-2	82-473-256-01		Reinforcement plate, Chassis	*	1
3-3	87-064-061-01		Holder B, Circuit board		3
3-4	87-064-038-01		Wire clip A		4
3-5	87-064-051-01		Wire clip F		4
3-6	87-064-060-01		Holder A, Circuit Board		1
3-7	87-081-483-01		Motor screw		1
3-8	82-473-220-01		Roller	*	1
3-9	82-473-217-01		Holder D, Roller	*	1
3-10	82-473-211-01		Dram, Tuning dial	*	1
3-11	82-473-252-01		Spring, Tuning dial	*	1
3-12	87-096-083-01		String, Tuning dial		1750 mm
3-13	82-473-206-01		Shield, Phono	*	1
3-14	82-473-242-01		Label; Shield	*	1
3-15	82-473-245-01		Spacer A, Side panel	*	2
3-16	82-473-247-01		Spacer B, Side panel	*	2
3-17	82-473-055-01		Rear panel	*	1
3-18	82-473-267-01		Collar, Power transformer	*	4
3-19	87-033-088-01		Earth terminal		1
3-20	87-085-102-01		Nylon rivet		16
3-21	82-473-074-01		Name plate, Spec.	*	1
3-22	87-085-101-01		Cord bushing		1
3-23	87-034-835-01		AC power cord		1
3-24	82-473-626-01		Screw terminal	*	1
3-25	82-473-010-01		Antenna holder ass'y	*	1
3-26	82-473-013-01		Antenna holder C	*	1
3-27	82-473-051-01		Caution label, Antenna	*	1
3-28	82-473-213-01		Holder B, Heatsink plate	*	1
3-29	82-473-241-01		Brasspost, Cord	*	1
3-30	82-473-250-01		Spring, Cord support	*	1
3-31	82-473-609-01		Heatsink	*	1
3-32	82-473-212-01		Holder A, Heatsink plate	*	1
3-33	82-473-253-01		Holder, Circuit breaker	*	1
3-34	82-473-703-01		Speaker terminal	*	1
3-35	82-473-019-01		Lock plate, Pointer	*	1
3-36	82-473-018-01		Holder, Pointer	*	1
3-37	82-473-717-01		Holder, Fuse	*	1
3-38	87-085-094-01		Holder A, AC power cord		1
3-39	87-085-095-01		Holder B, AC power cord		1
3-40	82-473-257-01		Holder AC power cord	*	1
3-41	82-471-212-01		Wire guide dial	AF-5080	1

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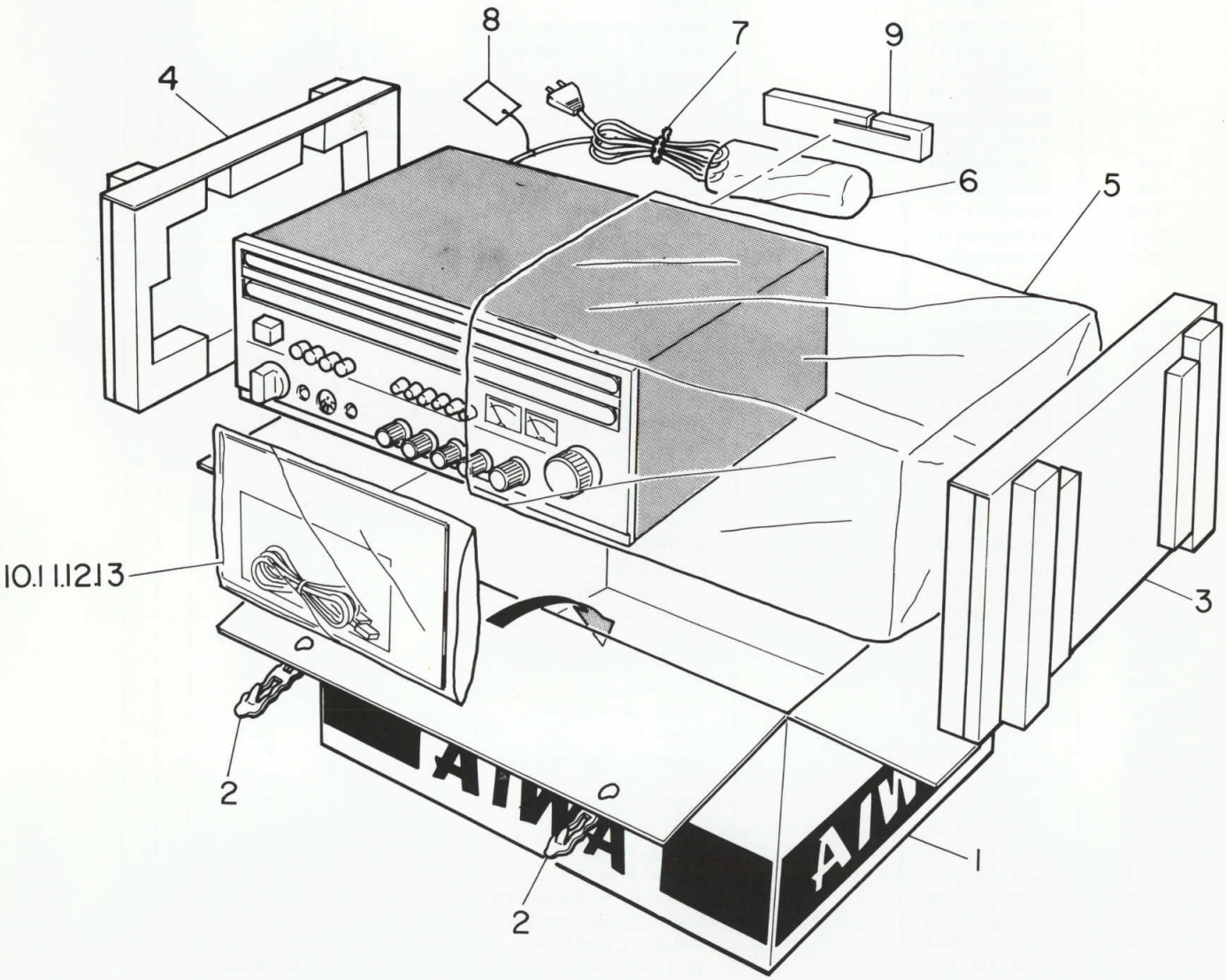
Ref. No.	Part No.	Description	Q'ty
3-101	87-263-096-01	V + 3-10	2
3-102	87-263-099-01	V + 3-15	8
3-103	87-263-093-01	V + 3-5	2
3-104	87-257-097-01	V + 3-12 (Black)	2
3-105	87-343-094-01	UT_2 + 3-6	14
3-106	87-081-402-01	UT_2 + 3-8 (Black)	5
3-107	87-343-095-01	UT_2 + 3-8	5
3-108	87-480-093-01	VS + 3-5	4
3-109	87-410-316-01	W3-8-0.8	1
3-110	87-257-092-01	U + 3-4 (Black)	2
3-111	87-410-325-01	W4-10-1.0	1
3-112	87-081-017-01	FW3-8-1.0	5

Ref. No.	Part No.	Description	Q'ty
3-113	87-421-306-01	SW-3	2
3-114	87-421-308-01	SW-4	1
3-115	87-421-310-01	SW-6	4
3-116	87-433-904-01	WTIE-3	2
3-117	87-433-906-01	WTIE-4-10	1
3-118	87-391-024-01	N-4	1
3-119	87-391-017-01	N-3	2
3-120	87-391-029-01	N-5	4
3-121	87-450-414-01	LB-4	2
3-122	87-263-099-01	V + 3-15	2
3-123	87-081-021-01	FW6-13-1.0	4
3-124	87-410-319-01	W3-15-0.8	1

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ACCESSORIES/PACKAGE



ACCESSORIES/PACKAGE

Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
1	82-473-862-01		Printed indiv. packing	*	1
2	87-056-500-01		Curl stopper		2
3	82-473-859-01		Cushion R, Printed indiv.	*	1
4	82-473-858-01		Cushion L, Printed indiv.	*	1
5	87-056-551-01		Poly-vinyl sack (for case)		1
6	87-051-131-01		Poly-vinyl sack (for AC power cord)		1
7	87-058-023-01		Free-up belt		1
8	87-056-016-01		Tag, Voltage selector		1
9	82-473-861-01		Cushion, Bar antenna	*	1
10	87-051-171-01		Poly-vinyl sack		1
11	82-473-915-01		Instructions booklet	*	1
12	87-056-009-01		Distributors list		1
13	87-043-025-01		FM antenna		1

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ELECTRICAL PARTS

Symbol No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
≪TUNER CIRCUIT BOARD SECTION≫					
PCB-A	82-473-726-01		Tuner circuit board	*	1
TR1	89-307-842-01		Transistor, 2SC-784 (R)		1
TR7	89-305-352-01		Transistor, 2SC-535 (B)		1
TR2,3,4,5	89-303-813-01		Transistor, 2SC-381 (O)		4
TR6,12	87-026-045-01		Transistor, 2SC-380A (O)		2
TR8,13,14	89-309-456-01		Transistor, 2SC-945L (P)		3
TR15	89-313-172-01		Transistor, 2SC-1317 (R)		1
TR9,10	89-303-804-01		Transistor, 2SC-380 (Y)		2
TR11	89-303-803-01		Transistor, 2SC-380 (O)		1
FET1	87-026-100-01		FET, 2SK-49 (Hz)		1
IC1	87-027-148-11		IC, KB-4400		1
D1	87-026-049-01		Diode, 1S-2139 (B)		1
D4,5,6,8	88-052-188-11		Diode, 1S-188 (FM)		4
D2,3,7,9,10 11	87-027-097-01		Diode, 1S-1555		6
D12	87-027-142-01		Zener diode, WZ-100		1
L1	82-473-729-01		FM coil	*	1
L2	82-473-730-01		FM coil	*	1
L3	87-005-101-01		FM choke coil, 2.2μH		1
L4	82-473-689-01		FM coil, 1½t	*	1
L6,7	87-005-094-01		Micro inductor, 10mH		2
L8,9	82-473-628-01		Micro inductor, 8.2mH	*	2
L5	82-457-699-01		MW OSC coil		1
IFT1,2	84-173-614-01		FM IFT		2
IFT3	87-008-159-01		FM IFT (ratio)		1
IFT4	87-008-160-01		AM IFT		1
CF1	87-008-169-01		FM ceramic filter		1
CF2,3	82-473-620-01		FM ceramic filter	*	2
CFT1	87-008-118-01		AM ceramic filter trans		1
VC1 ~ 4 TC1 ~ 4	82-473-606-01		VC	*	1
SFR1	87-021-239-01		Semi-fixed resistor, 50kΩ – B		1
SFR2	87-021-366-01		Semi-fixed resistor, 10kΩ – B		1
			<Resistors>		
R23,96	88-131-330-01		33Ω 1/4W ±5%		2
R1,8,15,16 29,54,62,94	88-131-101-01		100Ω 1/4W ±5%		8
R18,61	88-131-471-01		470Ω 1/4W ±5%		2
R36,56	88-131-681-01		680Ω 1/4W ±5%		2
R10,19,30,31 75	88-131-102-01		1kΩ 1/4W ±5%		5
R53	88-131-182-01		1.8kΩ 1/4W ±5%		1
R12,21	88-131-222-01		2.2kΩ 1/4W ±5%		2
R17	88-131-272-01		2.7kΩ 1/4W ±5%		1
R57,90	88-131-332-01		3.3kΩ 1/4W ±5%		2
R71	88-131-392-01		3.9kΩ 1/4W ±5%		1
R49	88-131-472-01		4.7kΩ 1/4W ±5%		1
R59	88-131-682-01		6.8kΩ 1/4W ±5%		1
R25,51	88-131-103-01		10kΩ 1/4W ±5%		2
R74	88-131-123-01		12kΩ 1/4W ±5%		1
R73	88-131-153-01		15kΩ 1/4W ±5%		1
R92	88-131-273-01		27kΩ 1/4W ±5%		1
R41,60,63,76	88-131-333-01		33kΩ 1/4W ±5%		4
R91	88-131-393-01		39kΩ 1/4W ±5%		1
R48	88-131-823-01		82kΩ 1/4W ±5%		1
R3,43	88-131-104-01		100kΩ 1/4W ±5%		2
R55	88-131-124-01		120kΩ 1/4W ±5%		1
R26	88-181-220-01		22Ω 1/4W ±5% ELR		1
R5,6,35,52 72,95	88-181-101-01		100Ω 1/4W ±5% ELR		6
R7,13,14,20	88-181-151-01		150Ω 1/4W ±5% ELR		4

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Symbol No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
R24,89	88-181-221-01		220Ω 1/4W ±5% ELR		2
R28,93	88-181-331-01		330Ω 1/4W ±5% ELR		2
R11	88-181-391-01		390Ω 1/4W ±5% ELR		1
R40	88-181-561-01		560Ω 1/4W ±5% ELR		1
R85,86	88-181-681-01		680Ω 1/4W ±5% ELR		2
R4,22,27	88-181-102-01		1kΩ 1/4W ±5% ELR		3
R45	88-181-222-01		2.2kΩ 1/4W ±5% ELR		1
R77,78	88-181-332-01		3.3kΩ 1/4W ±5% ELR		2
R9	88-181-392-01		3.9kΩ 1/4W ±5% ELR		1
R88	88-181-472-01		4.7kΩ 1/4W ±5% ELR		1
R42,83,84	88-181-562-01		5.6kΩ 1/4W ±5% ELR		3
R37	88-181-682-01		6.8kΩ 1/4W ±5% ELR		1
R47,58	88-181-822-01		8.2kΩ 1/4W ±5% ELR		2
R32,33,38,66	88-181-103-01		10kΩ 1/4W ±5% ELR		4
R65	88-181-123-01		12kΩ 1/4W ±5% ELR		1
R67	88-181-153-01		15kΩ 1/4W ±5% ELR		1
R70,97	88-181-183-01		18kΩ 1/4W ±5% ELR		2
R39,64	88-181-223-01		22kΩ 1/4W ±5% ELR		2
R44	88-181-273-01		27kΩ 1/4W ±5% ELR		1
R34,68	88-181-333-01		33kΩ 1/4W ±5% ELR		2
R2	88-181-473-01		47kΩ 1/4W ±5% ELR		1
R46	88-181-563-01		56kΩ 1/4W ±5% ELR		1
R50,69	88-181-104-01		100kΩ 1/4W ±5% ELR		2
R79,82	88-181-124-01		120kΩ 1/4W ±5% ELR		2
R80,81	88-181-154-01		150kΩ 1/4W ±5% ELR		2
R87	88-152-101-01		100Ω 1W ±10%		1
			<Capacitors>		
C37,69,70	88-337-590-01		0.47μF 50V Electrolytic		3
C34,35,42,45 49,56,64	88-337-100-01		1μF 50V Electrolytic		7
C65	88-337-500-01		4.7μF 50V Electrolytic		1
C12	88-336-110-01		10μF 25V Electrolytic		1
C86	88-336-310-01		33μF 25V Electrolytic		1
C24,90,95	88-335-110-01		10μF 16V Electrolytic		3
C66,84	88-335-510-01		47μF 16V Electrolytic		2
C72,73	88-333-310-01		33μF 10V Electrolytic		2
C97	88-617-530-01		360pF Styrol		1
C60	88-617-550-01		470pF Styrol		1
C62	87-015-106-01		0.47μF 6V Aluminum solid		1
C74,93	88-707-660-01		0.0022μF Mylar		2
C76,81	88-707-750-01		0.0082μF Mylar		2
C58,89	88-717-810-01		0.01μF Mylar		2
C67,68	88-707-820-01		0.015μF Mylar		2
C77,78,79,82	88-707-880-01		0.018μF Mylar		4
C47,52	88-717-830-01		0.022μF Mylar		2
C75,80	88-707-890-01		0.027μF Mylar		2
C71	88-717-840-01		0.033μF Mylar		1
C43,61	88-717-850-01		0.047μF Mylar		2
C57	88-717-980-01		0.056μF Mylar		1
C63	88-717-930-01		0.22μF Mylar		1
C27,28	88-212-150-01		15pF Ceramic		2
C13	88-212-220-01		24pF Ceramic		1
C7,22	88-212-410-01		100pF Ceramic		2
C20,21	88-212-420-01		120pF Ceramic		2
C59	88-212-550-01		470pF Ceramic		1
C5	88-213-020-01		2pF Ceramic		1
C32	88-213-040-01		4pF Ceramic		1
C1,4,6	88-213-060-01		6pF Ceramic		3
C29	88-213-070-01		7pF Ceramic		1
C91	88-213-090-01		9pF Ceramic		1
C17	88-214-610-01		0.001μF Ceramic		1
C3,26,40,51 53,54,87,94	88-214-720-01		0.0047μF Ceramic		8

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Symbol No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
C39,41,88	88-214-810-01		0.01μF Ceramic		3
C23	88-215-610-01		0.001μF Ceramic		1
C2,8,9,10,11, 14,15,16,18, 25,33,36,38, 44,46,48,50, 55,83,85,92, 96	88-215-810-01		0.01μF Ceramic		22
C19	88-215-850-01		0.047μF Ceramic		1
C31	88-251-212-01		22pF Ceramic		1
C30	88-211-110-01		0.5pF Ceramic		1
≪PRE AMP/SELECTOR SWITCH-1 CIRCUIT BOARD SECTION≫					
PCB-B	82-473-712-01		PRE AMP/SELECTOR SWITCH-1 Circuit board	*	1
TR501,502	89-107-505-01		Transistor, 2SA-750 (E)		2
TR503,504	89-314-005-01		Transistor, 2SC-1400 (E)		2
S1,2,3,4,5,6	82-473-638-01		Push switch (SELECTOR SWITCH)	*	1
S7,8,9,10	82-473-639-01		Push switch (AFC, FM MUTING, LOUDNESS, STEREO)	*	1
PIN 7	87-032-437-01		3P mini plug		1
PIN 1,8,10	87-032-653-01		Pin 3P		3
PIN 2,3,12	87-032-654-01		Pin 4P		3
PIN 6,	87-032-655-01		Pin 5P		1
PIN 5,11	87-032-656-01		Pin 6P		2
PIN 4,9	87-032-657-01		Pin 7P		2
			< Resistors >		
R513,514	88-131-331-01		330Ω 1/4W ±5%		2
R533,534,539 540	88-131-102-01		1kΩ 1/4W ±5%		4
R523,524	88-131-112-01		1.1kΩ 1/4W ±5%		2
R507,508	88-131-182-01		1.8kΩ 1/4W ±5%		2
R519,520	88-131-332-01		3.3kΩ 1/4W ±5%		2
R521,522	88-131-562-01		5.6kΩ 1/4W ±5%		2
R543,544	88-131-103-01		10kΩ 1/4W ±5%		2
R501,502	88-131-123-01		12kΩ 1/4W ±5%		2
R509,510,525 526,541,542	88-131-223-01		22kΩ 1/4W ±5%		6
R505,506	88-131-333-01		33kΩ 1/4W ±5%		2
R527,528,529 530,535,536	88-131-473-01		47kΩ 1/4W ±5%		6
R515,516,531 532	88-131-104-01		100kΩ 1/4W ±5%		4
R503,504	88-131-224-01		220kΩ 1/4W ±5%		2
R537,538	88-131-394-01		390kΩ 1/4W ±5%		2
R545,546	88-141-332-01		3.3kΩ 1/2W ±5%		2
R547	88-141-392-01		3.9kΩ 1/2W ±5%		1
R548	88-141-472-01		4.7kΩ 1/2W ±5%		1
R511,512	82-473-705-01		6.8kΩ 1W Metal film	*	2
			< Capacitors >		
C515,516	88-337-120-01		100μF 50V Electrolytic		2
C507,508	88-332-310-01		33μF 6.3V Electrolytic		2
C513,514	88-332-320-01		330μF 6.3V Electrolytic		2
C503,504	87-015-244-01		4.7μF 50V Electrolytic		2
C511,512	82-473-681-01		4.7μF 50V Electrolytic	*	2
C521,522	88-707-830-01		0.022μF Mylar		2
C501,502	88-212-290-01		47pF Ceramic		2
C509,510	88-212-100-01		10pF Ceramic		2
C505,506	88-212-410-01		100pF Ceramic		2
C519,520	88-212-460-01		180pF Ceramic		2

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Symbol No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
≪SELECTOR SWITCH-2 CIRCUIT BOARD SECTION≫					
PCB-C	82-473-714-11		SELECTOR SWITCH-2 circuit board	*	1
≪MUTING CIRCUIT BOARD SECTION≫					
PCB-D	82-473-713-01		MUTING circuit board	*	1
TR301,302 303,304 306,308 309	89-309-456-01		Transistor, 2SC-945L (P)		7
TR305,307	89-104-954-01		Transistor, 2SA-495 (Y)		2
D301,302,305 307,308	88-052-188-11		Diode, 1S-188 (FM)		5
D303,304,306	87-027-097-01		Diode, 1S-1555		3
PIN22	87-032-653-01		Pin 3P		1
PIN21	87-032-654-01		Pin 4P		1
			<Resistors>		
R314	88-131-561-01		560Ω 1/4W ±5%		1
R308,311	88-131-102-01		1kΩ 1/4W ±5%		2
R318	88-131-152-01		1.5kΩ 1/4W ±5%		1
R315	88-131-222-01		2.2kΩ 1/4W ±5%		1
R309	88-131-392-01		3.9kΩ 1/4W ±5%		1
R310	88-131-562-01		5.6kΩ 1/4W ±5%		1
R313,316,317	88-131-682-01		6.8kΩ 1/4W ±5%		3
R301,302,303	88-131-103-01		10kΩ 1/4W ±5%		3
R306,304	88-131-333-01		33kΩ 1/4W ±5%		2
R312	88-131-473-01		47kΩ 1/4W ±5%		1
R305	88-131-563-01		56kΩ 1/4W ±5%		1
R307	88-131-104-01		100kΩ 1/4W ±5%		1
			<Capacitors>		
C301	88-336-300-01		3.3μF 25V Electrolytic		1
C302	88-336-500-01		4.7μF 25V Electrolytic		1
≪JACK/EQUALIZER AMP CIRCUIT BOARD SECTION≫					
PCB-E	82-473-608-21		JACK/EQUALIZER AMP circuit board	*	1
TR401,402 403,404	82-473-644-01		Transistor, 2SA-750 (DA)	*	4
TR405,406 407,408	82-473-645-01		Transistor, 2SC-1400 (DA)	*	4
TR409,410	89-317-354-01		Transistor, 2SC-1735 (E)		2
J1,2,3,4,5,6 7,8,9,10,11 12,13	82-473-625-11		Jack ass'y (12P pin jack, DIN jack PHONO, AUX, TAPE-1, TAPE-2, REC/PB)	*	1
			<Resistors>		
R413,414	88-131-112-01		1.1kΩ 1/4W ±5%		2
R401,402	88-131-152-01		1.5kΩ 1/4W ±5%		2
R419,420	88-131-182-01		1.8kΩ 1/4W ±5%		2
R429,430	88-131-222-01		2.2kΩ 1/4W ±5%		2
R407,408,409 410	88-131-303-01		30kΩ 1/4W ±5%		4
R403,404	88-131-563-01		56kΩ 1/4W ±5%		2
R415,416,417 418	88-131-623-01		62kΩ 1/4W ±5%		4
R423,424,431 432	88-131-104-01		100kΩ 1/4W ±5%		4
R411,412	88-131-184-01		180kΩ 1/4W ±5%		2
R433,434	88-131-394-01		390kΩ 1/4W ±5%		2
R405,406	88-131-105-01		1MΩ 1/4W ±5%		2
R421,422	82-473-676-01		3.9kΩ 1W ±1% Metal film	*	2
R427,428	82-473-683-01		68.1kΩ ±1% Metal film	*	2
R425,426	82-473-716-01		953kΩ ±1% Metal film	*	2

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			<Capacitors>		
C411,412	82-475-628-01		2.2μF 50V Electrolytic (BP)	AF-3060	2
C407,408	82-473-715-01		15μF 10V Electrolytic (BP)	*	2
C401,402	87-015-244-01		4.7μF 50V Electrolytic (LR)		2
C413,414	88-337-110-01		10μF 50V Electrolytic		2
C417,418	82-473-685-01		1100pF PP	*	2
C415,416	82-473-684-01		3900pF PP	*	2
C409,410	88-212-290-01		47pF Ceramic		2
C403,404	88-212-480-01		220pF Ceramic		2
C405,406	88-218-610-01		1000pF Ceramic		2
≪MAIN AMP CIRCUIT BOARD SECTION≫					
PCB-F	82-473-605-11		MAIN AMP circuit board	*	1
TR701,702	89-107-336-01		Transistor, 2SA-733 (P)		2
TR703,704	89-107-985-01		Transistor, 2SA-798 (G)		2
TR705,706 707,708	89-317-353-01		Transistor, 2SC-1735 (D)		4
TR709,710	89-108-503-01		Transistor, 2SA-850 (D)		2
TR715,716	89-309-458-01		Transistor, 2SC-945L (R)		2
TR717	89-107-196-01		Transistor, 2SA-719 (R)		1
D701,702	87-027-143-01		Zener diode, WZ-150		2
D703,704	82-473-611-01		Diode, STV-3H	*	2
D705,706,707 708,709	87-026-066-01		Diode, M8513 A-O		5
L701,702	82-473-679-01		Coil, 2.2mH	*	2
SFR701,702	87-021-421-01		Semi-fixed resistor, 1kΩ-B		2
SFR703,704	87-021-433-01		Semi-fixed resistor, 470Ω-B		2
RY,S13	82-473-610-11		Relay	*	1
CB701,702	82-473-678-01		Circuit braker	*	2
PIN14	87-032-437-01		3P mini plug		3
PIN13	87-032-654-01		Pin 4P		1
			<Resistors>		
R747	88-131-100-01		10Ω 1/4W ±5%		1
R713,714,717 718	88-131-681-01		680Ω 1/4W ±5%		4
R748	88-131-102-01		1kΩ 1/4W ±5%		1
R709,710,711 712	88-131-122-01		1.2kΩ 1/4W ±5%		4
R701,702,746	88-131-152-01		1.5kΩ 1/4W ±5%		3
R707,708,715 716,727,728	88-131-222-01		2.2kΩ 1/4W ±5%		6
R725,726	88-131-822-01		8.2kΩ 1/4W ±5%		2
R742,743,745	88-131-103-01		10kΩ 1/4W ±5%		3
R705,706,723 724	88-131-153-01		15kΩ 1/4W		4
R744	88-131-273-01		27kΩ 1/4W ±5%		1
R703,704	88-131-104-01		100kΩ 1/4W ±5%		2
R729,730	88-141-100-01		10Ω 1/2W ±5%		2
R741	88-141-822-01		8.2kΩ 1/2W ±5%		1
R739,740	82-473-616-01		10Ω 1W Metal film	*	2
R731,732,733 734	82-473-617-01		220Ω 1W Metal film	*	4
R735,736,737 738	82-473-618-01		0.47Ω 2W Metal film	*	4
R749	82-473-674-01		15Ω 1W Metal film	*	1
R721,722	82-473-707-01		2.2kΩ 1W Metal film	*	2
R719,720	82-473-708-01		1.5kΩ 1W Metal film	*	2
			<Capacitors>		
C720	88-337-100-01		1μF 50V Electrolytic		1
C709,710	88-337-310-01		33μF 50V Electrolytic		2
C723,724	88-336-120-01		100μF 25V Electrolytic		2
C707,708	88-332-220-01		220μF 6.3V Electrolytic		2

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C719	88-437-100-01		1μF 50V Electrolytic		1
C701,702	87-015-245-01		10μF 50V Electrolytic (LR)		2
C721	82-473-619-01		100μF 25V Electrolytic (BP)	*	1
C722	88-717-610-01		0.001μF Mylar		1
C717,718	88-717-830-01		0.022μF Mylar		2
C705,706	88-717-910-01		0.1μF Mylar		2
C711,712	88-213-050-01		5pF Ceramic		2
C713,714	88-212-200-01		20pF Ceramic		2
C715,716	88-212-290-01		47pF Ceramic		2
C703,704	88-212-550-01		470pF Ceramic		2
≪CONTROL CIRCUIT BOARD SECTION≫					
PCB-G	82-473-603-11		CONTROL circuit board	*	1
TR601,602 606	89-107-505-01		Transistor, 2SA-750 (E)		3
TR603,604 605	89-314-005-01		Transistor, 2SC-1400 (E)		3
TR607	89-317-353-01		Transistor, 2SC-1735 (D)		1
VR601,602	82-473-612-11		Volume, 250kΩ-B (VOLUME)	*	1
VR603,604	82-473-613-11		Volume, 250kΩ-MN (BALANCE)	*	1
VR605,606 607,608	82-473-614-11		Volume, 50kΩ-A (TREBLE, BASS)	*	2
VR609	82-473-615-01		Volume, 10kΩ-B (MIC, MIXING)	*	1
			<Resistors>		
R611,612,617 618	88-181-331-01		330Ω 1/4W ±5% ELR		4
R605,606	88-181-561-01		560Ω 1/4W ±5% ELR		2
R637	88-181-681-01		680Ω 1/4W ±5% ELR		1
R629	88-181-162-01		1.6kΩ 1/4W ±5% ELR		1
R636	88-181-182-01		1.8kΩ 1/4W ±5% ELR		1
R623,624	88-181-392-01		3.9kΩ 1/4W ±5% ELR		2
R638	88-181-562-01		5.6kΩ 1/4W ±5% ELR		1
R625	88-181-682-01		6.8kΩ 1/4W ±5% ELR		1
R627	88-181-183-01		18kΩ 1/4W ±5% ELR		1
R607,608,633	88-181-223-01		22kΩ 1/4W ±5% ELR		3
R632	88-181-303-01		30kΩ 1/4W ±5% ELR		1
R603,604	88-181-333-01		33kΩ 1/4W ±5% ELR		2
R631	88-181-753-01		75kΩ 1/4W ±5% ELR		1
R628	88-181-104-01		100kΩ 1/4W ±5% ELR		1
R626	88-181-624-01		620kΩ 1/4W ±5% ELR		1
R630	88-181-684-01		680kΩ 1/4W ±5% ELR		1
R615,616	88-131-222-01		2.2kΩ 1/4W ±5%		2
R613,614	88-131-223-01		22kΩ 1/4W ±5%		2
R601,602	88-131-224-01		220kΩ 1/4W ±5%		2
R621,622	88-131-564-01		560kΩ 1/4W ±5%		2
R619	88-141-103-01		10kΩ 1/2W ±5%		1
R634,635	82-473-706-01		4.7kΩ 1W Metal film	*	2
R609,610	82-473-705-01		6.8kΩ 1W Metal film	*	2
			<Capacitors>		
C626	88-337-100-01		1μF 50V Electrolytic		1
C625	88-337-500-01		4.7μF 50V Electrolytic		1
C624	87-015-242-01		2.2μF 50V Electrolytic (LR)		1
C601,602,621	87-015-244-01		4.7μF 50V Electrolytic (LR)		3
C611,612,628	82-473-681-01		4.7μF 50V Electrolytic (BP)	*	3
C605,606	88-332-120-01		100μF 6.3V Electrolytic		2
C609,610	88-332-320-01		330μF 6.3V Electrolytic		2
C613,614	88-707-680-01		0.0027μF Mylar		2
C615,616,617 618	88-707-820-01		0.015μF Mylar		4
C619,620	88-707-970-01		0.082μF Mylar		2
C607,608	88-212-100-01		10pF Ceramic		2

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Symbol No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
C603,604,622 623	88-212-410-01		100pF Ceramic		4
C627	88-212-570-01		680pF Ceramic		1
≪POWER CIRCUIT BOARD SECTION≫					
PCB-H	82-473-602-11		POWER circuit board	*	1
TR801	89-313-846-01		Transistor, 2SC-1384 (R)		1
TR802	89-106-844-01		Transistor, 2SA-684 (R)		1
D801,802	87-027-144-01		Zener diode, WZ-350		2
D803,804,805 806,810	87-027-083-01		Diode, 1S-1885		5
D807	87-027-149-01		Diode, SS-3		1
D809	87-027-150-01		Diode, SS-3R		1
PIN17,18,19 20	87-032-437-01		3P mini plug		4
			<Resistors>		
R802,805	88-131-101-01		100Ω 1/4W ±5%		2
R803,806	88-131-332-01		3.3kΩ 1/4W ±5%		2
R801	87-025-056-01		390Ω 2W Metal film		1
R804,807	82-473-708-01		1.5kΩ 1W Metal film	*	2
			<Capacitors>		
C801,802,803 805,806	88-337-224-01		220μF 50V Electrolytic		5
C804,807	88-437-134-01		1000μF 50V Electrolytic		2
C812	88-335-524-01		470μF 16V Electrolytic		1
C813	88-717-910-01		0.1μF 50V Mylar		1
C808,809,810 811	88-238-810-01		0.01μF 500V Ceramic		4
≪LED-1 CIRCUIT BOARD SECTION≫					
PCB-I	82-473-672-11		LED-1 circuit board	*	1
D502,503	87-026-083-01		Light emitting diode, RED (FM, AM)		2
≪LED-2 CIRCUIT BOARD SECTION≫					
PCB-J	82-473-673-01		LED-2 circuit board	*	1
D501,504,505	87-026-088-01		Light emitting diode, GRN (PHONO, AUX, TAPE-2)		3
D506	87-026-087-01		Light emitting diode, RED (TAPE-1)		1
≪LED-3 CIRCUIT BOARD SECTION≫					
PCB-K	82-473-671-21		LED-3 circuit board	*	1
D902	87-026-083-01		Light emitting diode, RED (FM STEREO)		1
≪DIN JACK CIRCUIT BOARD≫					
PCB-L	82-473-601-01		DIN JACK circuit board	*	1
J15	87-032-678-01		5P DIN socket (TAPE-2)		1
≪LAMP CIRCUIT BOARD SECTION≫					
PCB-M	82-473-670-01		LAMP circuit board	*	1
PL906,907	82-473-634-01		Pilot lamp	*	2
	87-032-527-01		Pilot lamp clamp (PL906,907)		4
≪ANTENNA CIRCUIT BOARD SECTION≫					
PCB-N	82-473-727-01		Antenna circuit board	*	1
T902	87-006-047-01		FM balun		1
B,P,F	87-030-035-01		FM band pass filter		1
			<Capacitor>		
C904	82-473-709-01		1000pF 250V Ceramic	*	1

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Symbol No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
≪MISCELLANEOUS≫					
T901	82-473-702-11		Power transformer	*	1
TR711,712	89-310-302-01		Transistor, 2SC-1030 (B)		2
TR713,714	89-107-562-01		Transistor, 2SA-756 (B)		2
LM901	82-473-637-01		Level meter (FM TUNING)	*	1
LM902	82-473-636-01		Level meter (SIGNAL)	*	1
J14	87-032-672-01		Mic jack 6.3φ (MIC)		1
J16	87-032-673-01		Phones jack (PHONES)		1
J17	82-457-697-01		Antenna socket (DIN FM)		1
J18	82-457-696-01		Antenna socket (DIN AM)		1
J19,20	82-473-703-01		SP terminal (SPEAKERS A, B)	*	1
S11	82-473-704-11		Rotary switch (SPEAKERS SELECTOR)	*	1
S12	87-031-342-01		Push switch (POWER)		1
S14,15	87-031-343-01		Slide switch (VOLTAGE SELECTOR-1,2)		2
L201	82-473-669-11		MW bar antenna coil	*	1
PL901,902 903,904	82-473-632-01		Pilot lamp	*	4
PL905	82-473-633-21		Pilot lamp (TUNING POINTER)	*	1
F901,904,905	87-035-142-01		Fuse, 2A		3
	87-057-817-01		Fuse label, 2A		3
F902	87-035-102-01		Fuse, 3.15A		1
	87-057-807-01		Fuse label, 3.15A		1
F903	87-035-141-01		Fuse, 1.6A		1
	87-057-818-01		Fuse label, 1.6A		1
	82-473-717-01		Fuse holde 5P (F901,902,903,904,905)	*	1
	82-473-677-11		Transistor socket (TR711,712,713,714)	*	4
	82-473-609-01		Heat sink	*	1
	82-473-626-11		4P antenna terminal	*	1
	87-034-835-01		AC cord		1
	87-032-503-01		Pilot lamp socket (PL901,902,903,904)		4
CON10	82-473-652-11		3P Connector ass'y	*	1
CON8	82-473-653-01		3P Connector ass'y	*	1
CON1	82-473-654-01		3P Connector ass'y	*	1
CON14	82-473-662-01		3P Connector ass'y	*	1
CON15	82-473-663-11		3P Connector ass'y	*	1
CON16	82-473-664-01		3P Connector ass'y	*	1
CON21	82-473-701-01		3P Connector ass'y	*	1
CON7,20	82-473-661-01		3P Connector ass'y	*	2
CON13	82-473-650-11		4P Connector ass'y	*	1
CON2	82-473-658-01		4P Connector ass'y	*	1
CON3	82-473-659-01		4P Connector ass'y	*	1
CON22	82-473-660-01		4P Connector ass'y	*	1
CON12	82-473-691-01		4P Connector ass'y	*	1
CON6	82-473-649-01		5P Connector ass'y	*	1
CON11	82-473-646-01		6P Connector ass'y	*	1
CON5	82-473-647-01		6P Connector ass'y	*	1
CON9	82-473-648-01		7P Connector ass'y	*	1
CON4	82-473-657-01		7P Connector ass'y	*	1
			<Resistor>		
R901,902	88-141-271-01		270Ω 1/2W ±5%		2
			<Capacitors>		
C901,902	82-473-623-01		4700μF x 2 35V Electrolytic	*	1
C903	88-214-810-01		0.01μF Ceramic		1

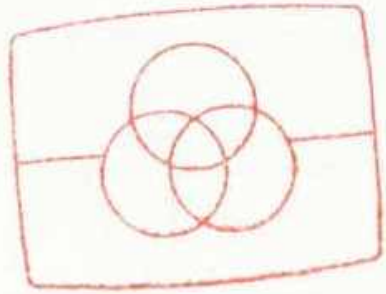
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