SHARP Service Manual

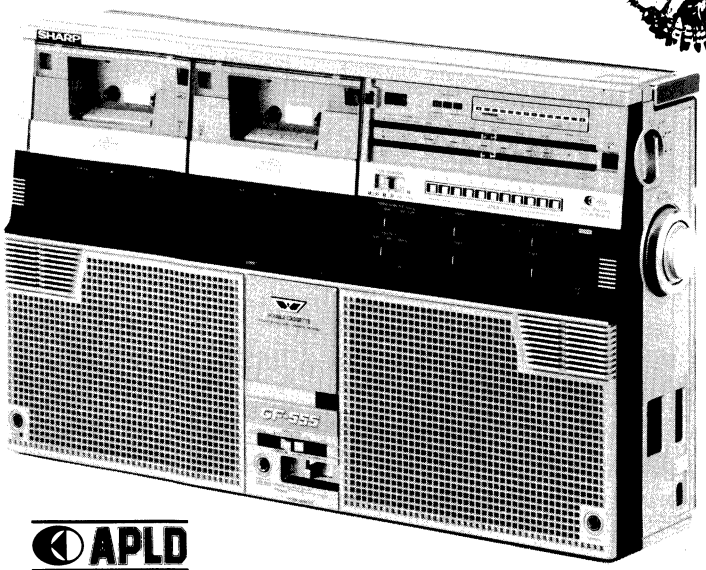
ATSM480002RCS

Technical information for this model will be issued soon.

The Searcher

DOUBLE CASSETTE STEREO TAPE RECORDER

MODELS
GF-555H
GF-555E



APLD
Auto Program Locate Device

(PHOTO: GF-555H)

In the interests of user-safety the set should be restored to its original condition and only parts identical to those specified be used.

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SHARP CORPORATION OSAKA, JAPAN

SPECIFICATIONS

GENERAL

Power source:	AC 110/220/240V, 50/60Hz DC 15V (Ten UM/SUM-1, R20, HP-2, "D" batteries or external DC supply)
Speakers:	16 cm (Woofer) x 2 5 cm (Tweeter) x 2
Output power:	GF-555H (DIN45 324): MPO 14W (7W + 7W, AC operation) RMS 12W (6W + 6W, DC operation) GF-555E: MPO 22W (11W + 11W, AC operation) RMS 12W (6W + 6W, DC operation, 10% distortion)
Semiconductors:	11-IC's (Integrated circuits) 32-Transistors 2-FET's 1-SCR 41-Diodes 26-LED's
Dimensions:	
Width;	530 mm
Depth;	150 mm
Height;	320 mm
Weight:	9 kg (without batteries)

TAPE RECORDER/PLAYER

Tape:	Philips-type compact cassette tape
Frequency response:	40 Hz to 15000 Hz (CrO_2 tape) 40 Hz to 12000 Hz (normal tape)
S/N ratio:	50 dB
Wow and flutter:	GF-555H: 0.17% (DIN45 511) GF-555E: 0.17% (CCIR)
Input sensitivity and input impedance:	
Ext. Mic;	600 ohms
Mixing Mic;	600 ohms
Line in;	0.1V/100k Ohms
Output level and loaded impedance:	
Headphones;	8 ohms to 25 ohms
External speaker;	4 ohms to 8 ohms
Line out;	0.7V/50k Ohms

RADIO

Frequency range:	LW; 150 kHz to 285 kHz MW; 520 kHz to 1620 kHz SW; 5.95 MHz to 18 MHz FM; 87.6 MHz to 108 MHz

The manufacture reserves the right to vary specifications, design, or use alternative materials as may be deemed necessary or desirable at any time, any such change or variations being of a kind as not to reduce the quality, performance or appearance.

EXPLANATION OF PARTS

1. Deck 1, Cassette Compartment
2. Deck 1, Fast Forward Wind/Cue (skip) Key (JKNBR0145AFSA)
3. Deck 1, Stop Key (JKNBR0143AFSA)
4. Deck 1, Rewind/Review Key (JKNBR0142AFSA)
5. Deck 1, Cassette Ejection Key (JKNBR0140AFSA)
6. Deck 1, APLD-Reverse Key (JKNBR0141AFSA)
7. Deck 1, Playback Key (JKNBR0144AFSA)
8. Deck 1, APLD Forward Key (JKNBR0146AFSA)
9. Deck 1, Pause Key (JKNBR0147AFSA)
10. Left Channel Built-in Microphone (RMICC0071AFZZ)
11. Deck 1, Monitor Output Socket (QJAKJ0074AFZZ)
12. Indicator of APLD Direction (VHPGL-3PR3/-1)
13. Deck 2, Edit Key (JKNBR0148AFSA)
14. Deck 2, Pause Key (JKNBR0149AFSA)
15. Deck 2, Record Key (JKNBR0151AFSA)
16. Deck 2, Cassette Compartment
17. Deck 2, Playback Key (JKNBR0153AFSA)
18. Deck 2, Eject Key (JKNBR0155AFSA)
19. Deck 2, Rewind/Review Key (JKNBR0150AFSA)
20. Deck 2, Stop Key (JKNBR0152AFSA)
21. Deck 2, Fast Forward/Cue (skip) Key (JKNBR0154AFSA)
22. Recording Level Control Knobs (JKNBP0093AFSA)
23. Dubbing Switch Knob (JKNBM0308AFSA)
24. Mixing Microphone Socket (QJAKE0062AFZZ)
25. FM Mode Selection/Mixing On-Off/FM Muting On-Off Knob (JKNBM0310AFSA)
26. Fader Control Knob (JKNBP0092AFSB)
27. Deck 1, Tape Selector Knob (JKNBM0308AFSA)
28. Deck 2, Tape Selector Knob (JKNBM0308AFSA)
29. Recording Mode Selector Knob (JKNBM0308AFSA)
30. Function Selector Knob (JKNBM0307AFSA)
31. Headphones Socket (QJAKJ0069AFZZ)
32. Meter Indication Selector Knob (JKNBM0306AFSA)
33. Bass Tone Control Knob (JKNBP0092AFSA)
34. Treble Tone Control Knob (JKNBP0092AFSA)
35. Channel Balance Control Knob (JKNBP0092AFSA)
36. Volume Control Knob (JKNBP0092AFSA)
37. Right Channel Built-in Microphone (RMICC0071AFZZ)
38. Power Switch Knob (JKNBM0305AFSA)
39. APLD Number Input Buttons and Indicators (QSW-Z0060AFZZ)
40. Tape Operation Mode Selector Knob (JKNBM0309AFSA)
41. Wave-Band Indication Window
42. Right Channel VU Indicator/Tuning Indicator (RH-PX1015AFZZ)
43. Left Channel VU Indicator/Battery Condition Indicator (RH-PX1015AFZZ)
44. Power ON Indicator (RH-PX1008AFZZ)
45. FM Stereo Indicator (RH-PX1008AFZZ)
46. Dubbing Indicator (VHPGL-9NG12-1)
47. Digital Tape Counter (KCOUB0082AFZZ)
48. Tape Counter Reset Button (KCOUB0082AFZZ)
49. Wave-Band Selector Knob (JKNBM0411AFSA)
50. Tuning Control Knob (JKNBN0446AFSA)
51. Fine Tuning Control Knob (JKNBN0447AFSA)
52. External Speaker Socket (Left Channel) (QJAKB0054AFZZ)
53. External Speaker Socket (Right Channel) (QJAKB0054AFZZ)
54. DC 15V Input Terminal (QSOCZ2196AFZZ)
55. AC Input Terminal (QSOCZ2196AFZZ)
56. External FM Aerial Terminals (QTANN0254AFZZ)
57. Battery Compartment Lid (GFTAB1113AFSA)
58. External Microphone Input Sockets (QJAKZ0092AFZZ)
59. Remote Control Socket (QJAKZ0092AFZZ)
60. Earthing Terminal (QJAKZ0092AFZZ)
61. Phono Input Sockets (QJAKZ0092AFZZ)
62. Line Input Sockets (QJAKZ0092AFZZ)
63. Line Output Sockets (QJAKZ0092AFZZ)
64. Beat Interference Canceller Switch (QSW-S0191AFZZ)
65. FM/SW Telescopic Aerial (QANTR0111AFZZ)
66. Voltage Selector (QSOCE0562AFZZ)

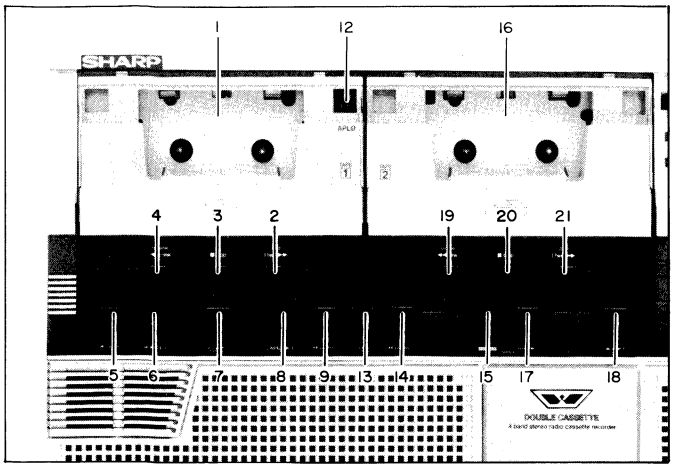


Figure 3–1

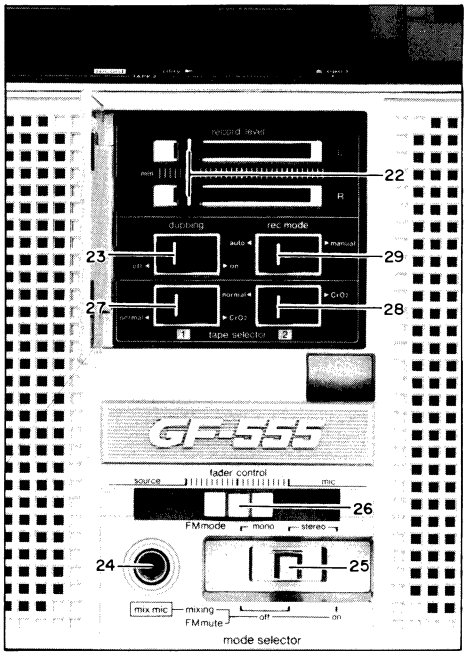


Figure 3–2

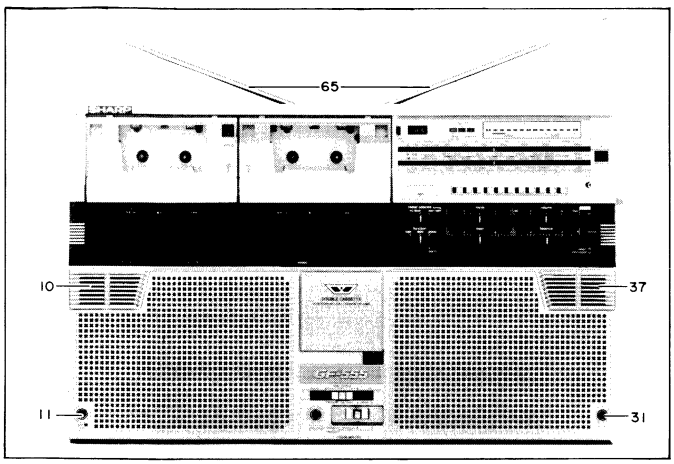


Figure 3–3

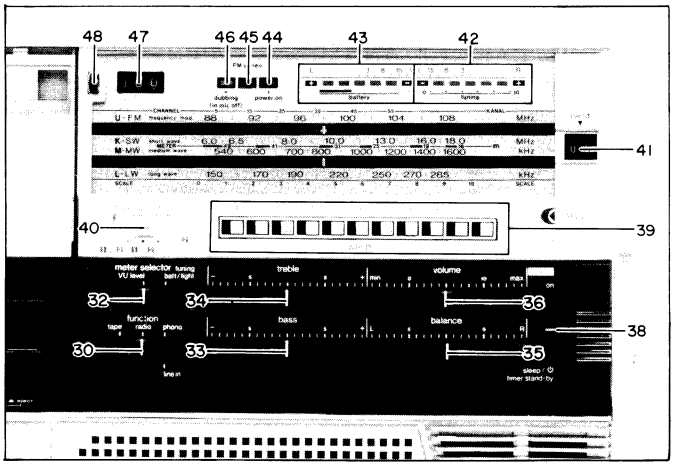


Figure 3–4

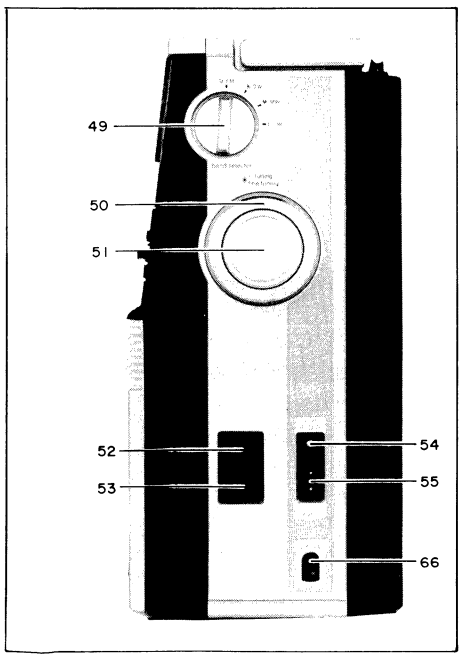


Figure 3–5

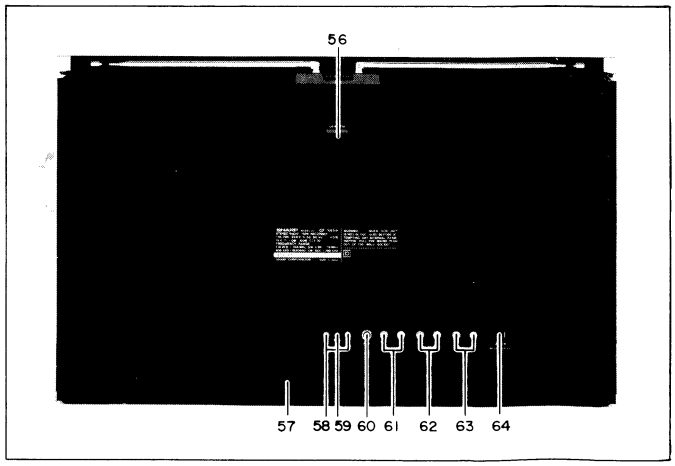


Figure 3–6

POWER SOURCE

The unit is designed to operate on a 110 V, 220 V or 240 V, 50/60 Hz A.C. mains or on internal batteries, (10 x UM/SUM-1 or equivalents).

It is also possible to operate the unit from an external 15 Volt D.C. supply.

MAINS SUPPLY VOLTAGE SELECTION

Be sure to check the preset voltage before connecting A.C. Supply lead to a A.C. mains outlet. If the setting differs from your local power supply, Voltage selector must be reset in the following manner.
Rotate Voltage selector with a screwdriver until the correct setting of the local electrical supply can be seen.

Caution:
Use this unit only on the specified voltages, otherwise damage, fire, or accidents may be caused. SHARP cannot accept responsibility for any damage resulting from the use of this unit on unspecified voltages.

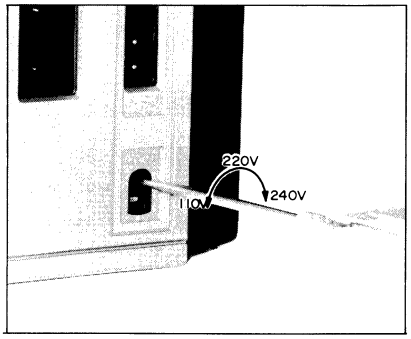


Figure 4–1

DISASSEMBLY

Caution:
Prior to the disassembly, be sure to draw the AC mains lead plug from the AC mains socket of the unit and to unload the cassette compartment with a cassette tape.

1. FRONT CABINET AND REAR CABINET REMOVAL

1) Open the recording level controls lid at the front of the unit, and take the two (2) recording level control knobs off.
2) Depress the cassette ejection keys (one each at the deck-1 and deck-2 sides) to open the cassette compartment.

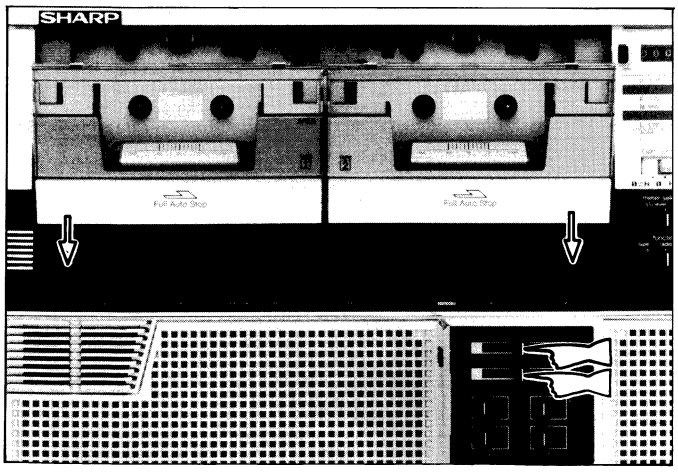


Figure 4–2

3) Open the battery compartment lid at the rear of the unit, and take out the ten (10) batteries.
4) Remove the nine (9) screws at the rear cabinet.
5) Take the cabinet off upwards, then remove the tips at the rear cabinet's inside shield plate and also the FM/SW telescopic aerial plugs.
6) Set the dubbing switch to "off", the recording mode selector to "auto", the deck-1/deck-2 tape selector switch to "normal", the FM mode selection/Mixing on-off/FM muting on-off switch to "stereo/off", the function selector to "radio" and the power switch "on" position, respectively.
7) Take the front cabinet off forwards, and remove the front cabinet's inside socket connected to the head-phones socket printed wiring board.

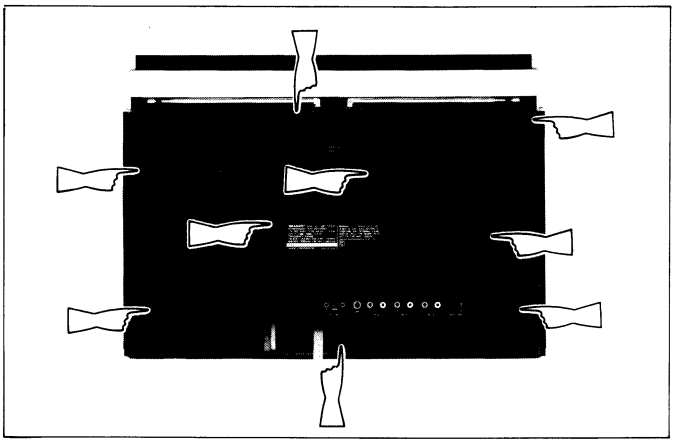


Figure 4–3

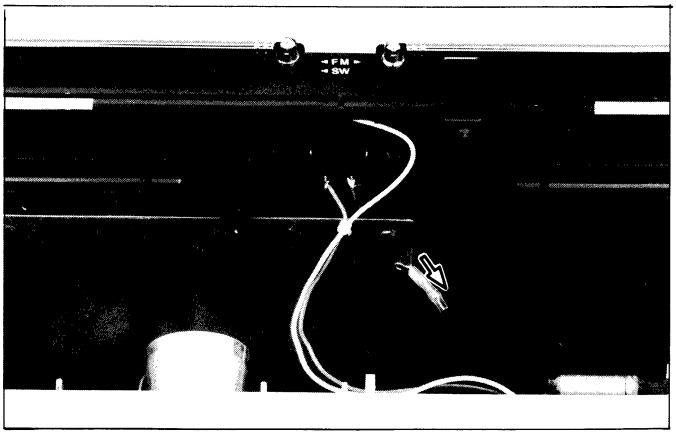


Figure 4–4

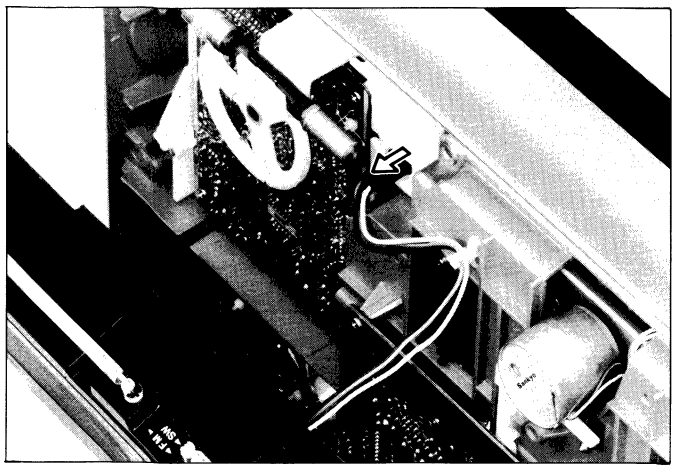


Figure 5–1

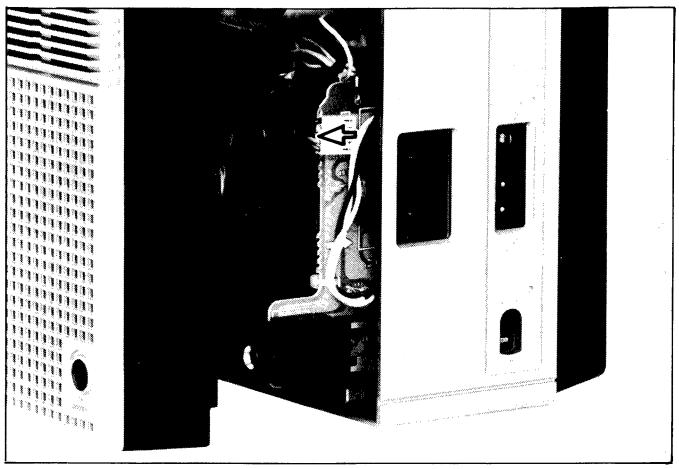


Figure 5–2

2. MECHANISM BLOCK REMOVAL

1) Remove the two (2) sockets connected to the mechanism block printed wiring board and the three (3) sockets connected to the record/playback amp. printed wiring board.

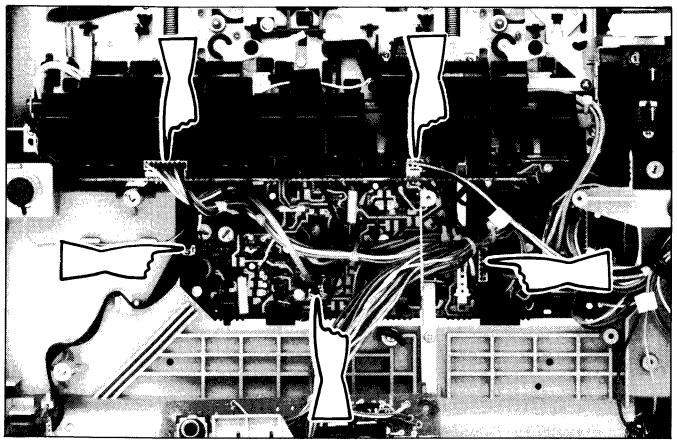


Figure 5–3

Figure 5–4

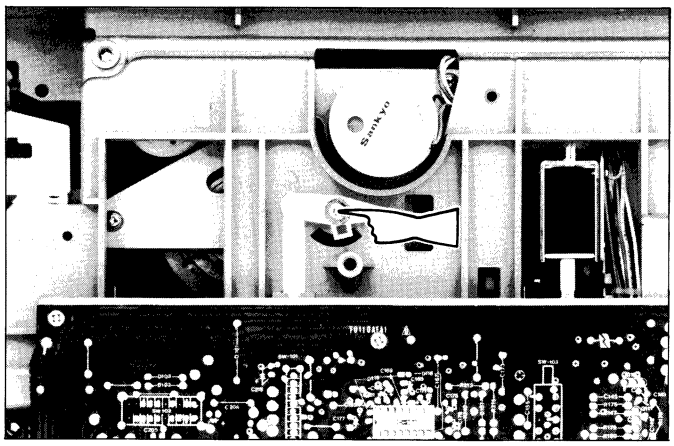


Figure 5–5

2) Detach the digital tape counter drive belt from the take-up turntable.
3) Remove the three (3) screws retaining the mechanism block — one each for the front-right, front-left and rear sides, move the mechanism block forwards and take it off.

3. MIXING MICROPHONE SOCKET-PRINTED WIRING BOARD REMOVAL

1) Remove the four (4) screws retaining the printed wiring board; slide its lower part forwards and remove its entire while moving upwards (a portion of it has been held by the bracket).

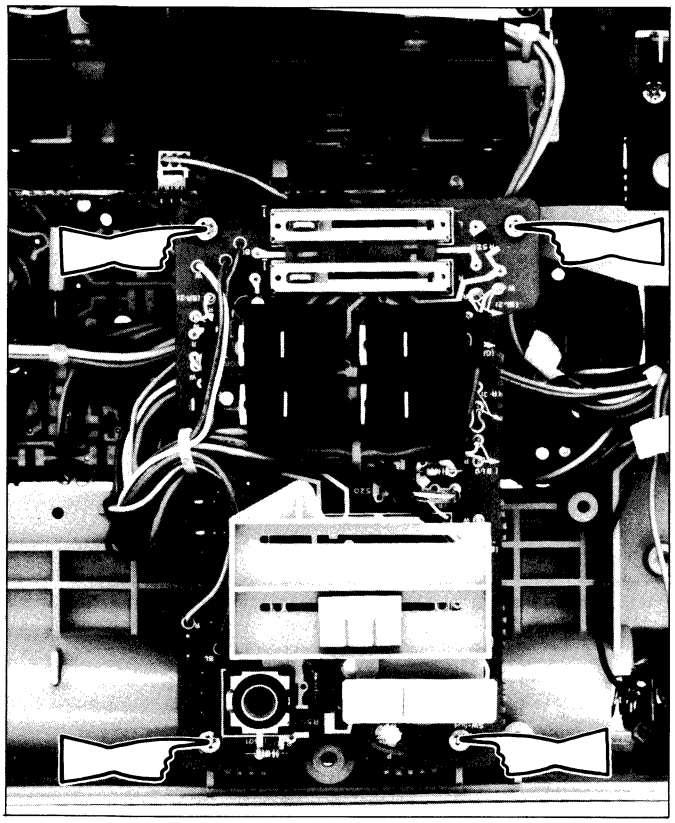


Figure 6–1

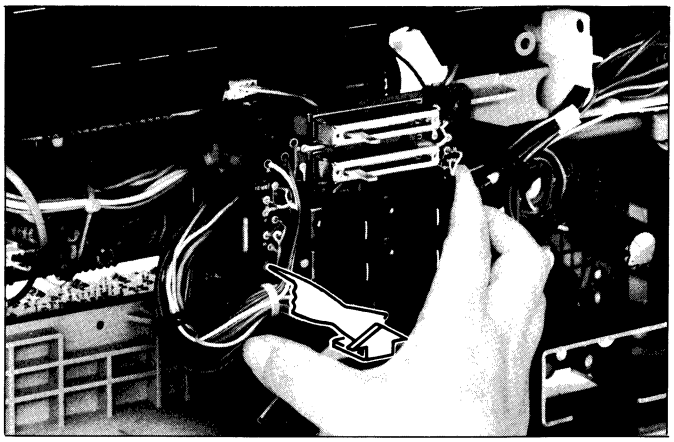


Figure 6–2

4. RADIO PRINTED WIRING BOARD REMOVAL

1) Disconnect the two (2) sockets connected to the radio printed wiring board and power supply printed wiring board.
2) Disconnect the socket from the record/playback amp. printed wiring board.

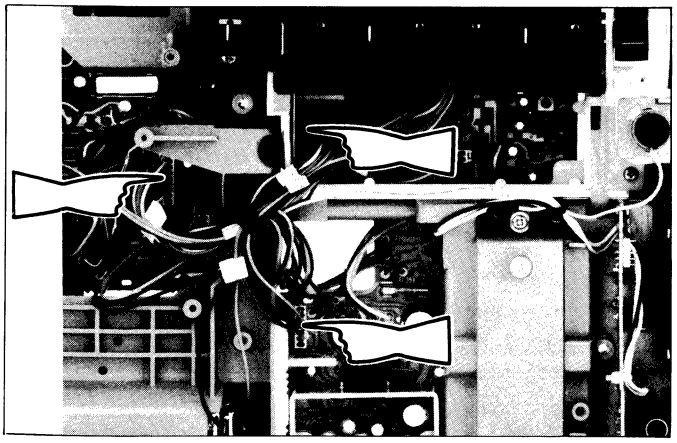


Figure 6–3

3) Take off the function selector knob, remove the one (1) screw at the selector switch lever, and detach this lever.
4) Take off the wave-band selector knob, tuning control knob and fine tuning control knob, by using a bladed screwdriver in the manner shown below.
5) Set the power switch knob to "sleep/⏻ timer stand-by" position.
6) Remove the four (4) screws at the radio printed wiring board frame, and detach the frame frontwards.

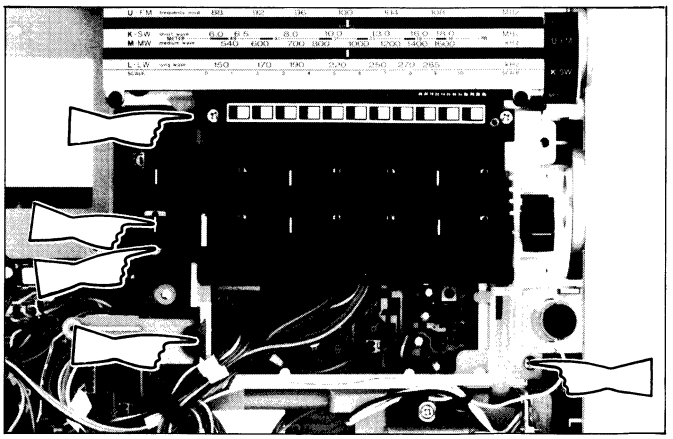


Figure 6–4

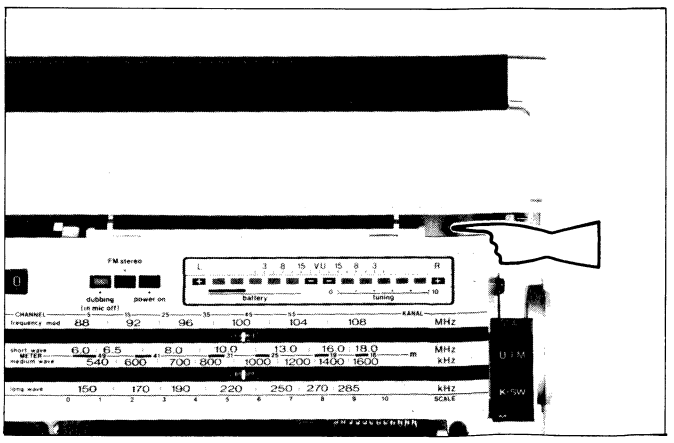


Figure 6–5

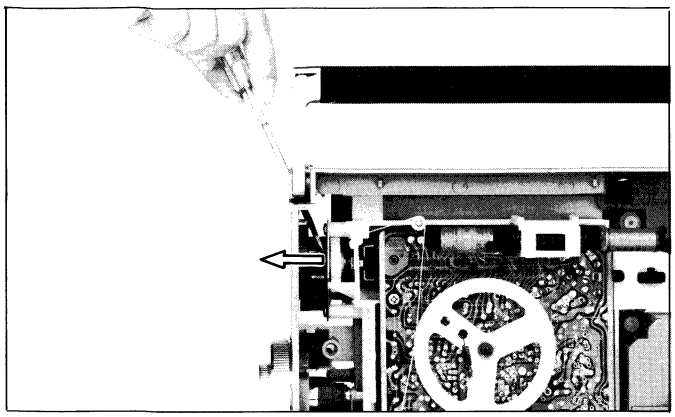


Figure 7–1

5. INDICATORS PRINTED WIRING BOARD REMOVAL

1) Remove the two (2) screws retaining the dial plate, and detach it.

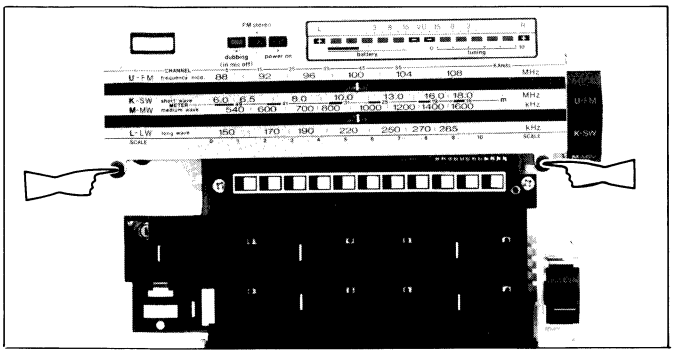


Figure 7–2

2) Remove the one (1) screw at the pointer guide and also its hook.

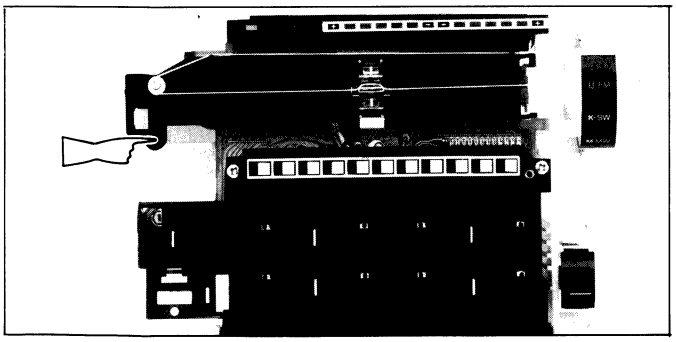


Figure 7–3

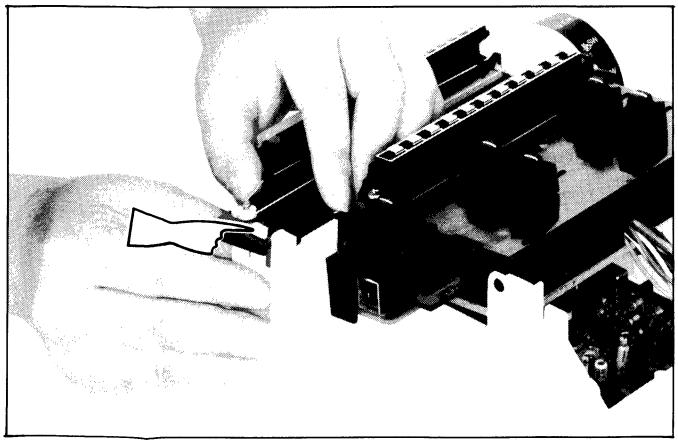


Figure 7–4

3) Bring down the pointer guide to right.

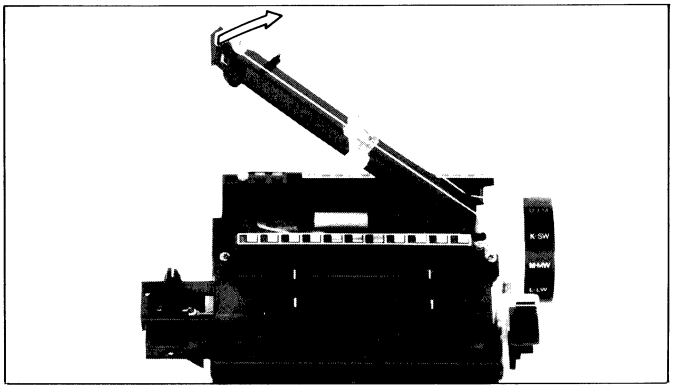


Figure 7–5

4) Disconnect the socket from the radio printed wiring board.

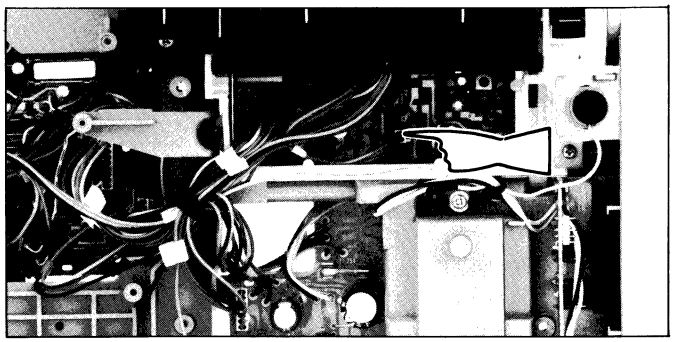


Figure 7–6

5) Remove the one (1) screw retaining the indicators printed wiring board and also the two (2) fittings at its front.

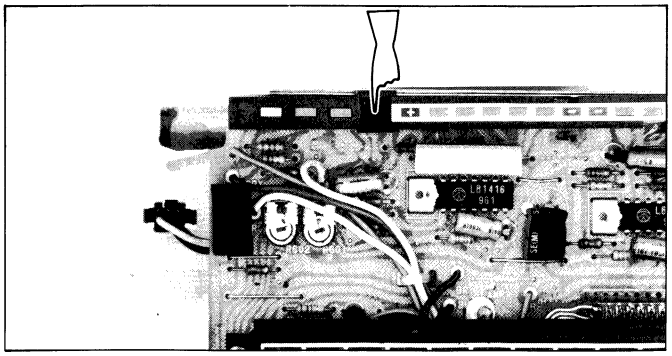


Figure 7–7

6) Remove the shield plate's hook secured to the printed wiring board and also the two (2) screws at the shield plate.

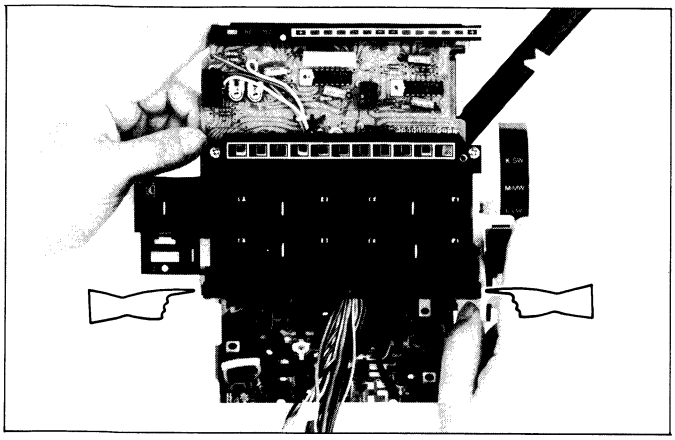


Figure 8–1

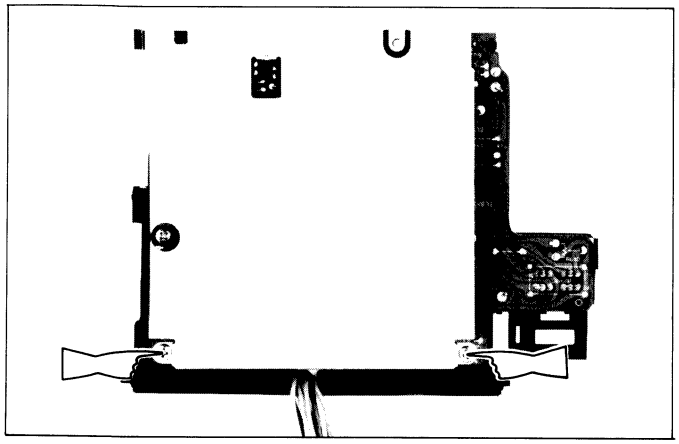


Figure 8–2

7) Take, in order, off the volume control knob, channel balance control knob, treble tone control knob, bass tone control knob and meter indication selector knob.

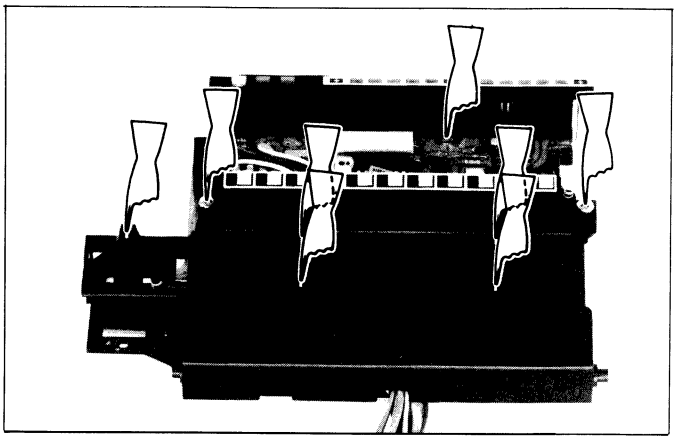


Figure 8–3

8) Remove the two (2) screws at the knobs guide and also the two (2) at the input buttons/indicators assembly, then detach the knobs guide.

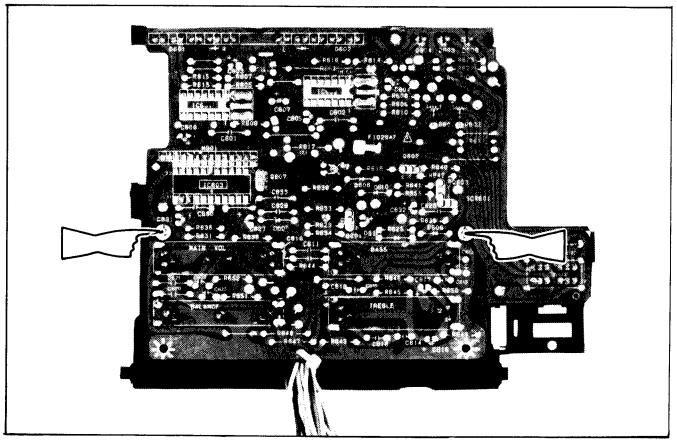


Figure 8–4

6. REMOVAL OF POWER SUPPLY PRINTED WIRING BOARD AND HEADPHONES SOCKET PRINTED WIRING BOARD

1) Disconnect the socket and tip from the power supply printed wiring board.

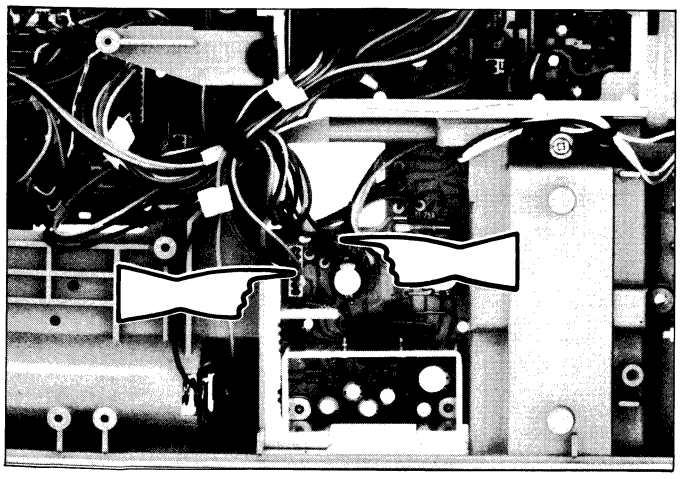


Figure 8–5

2) Disconnect the socket from the record/playback printed wiring board.

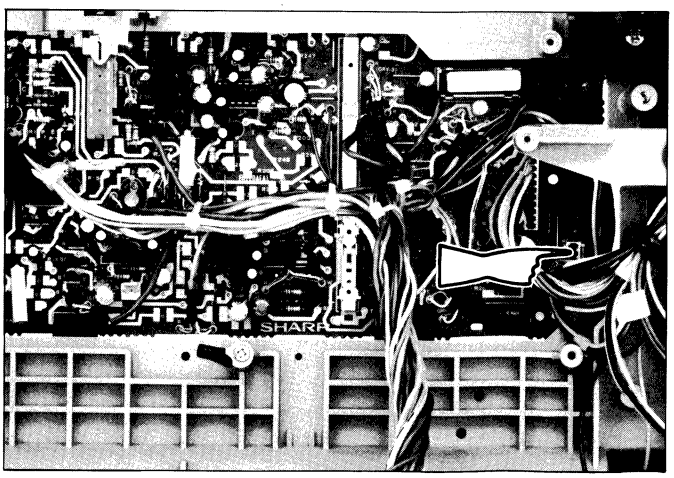
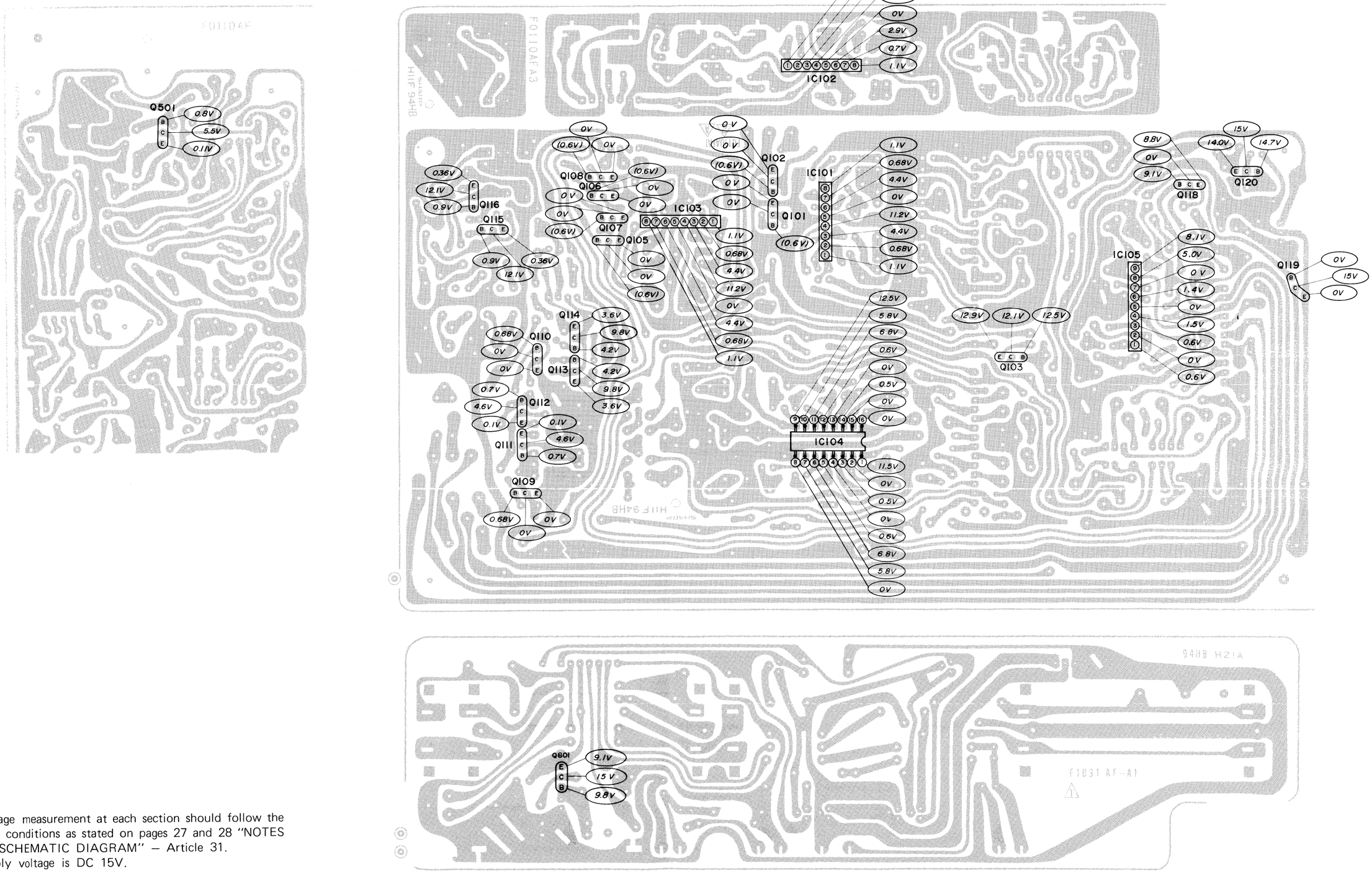


Figure 8–6



- Voltage measurement at each section should follow the same conditions as stated on pages 27 and 28 "NOTES ON SCHEMATIC DIAGRAM" – Article 31.
- Supply voltage is DC 15V.

Figure 15 VOLTAGES ON PRINTED WIRING BOARD

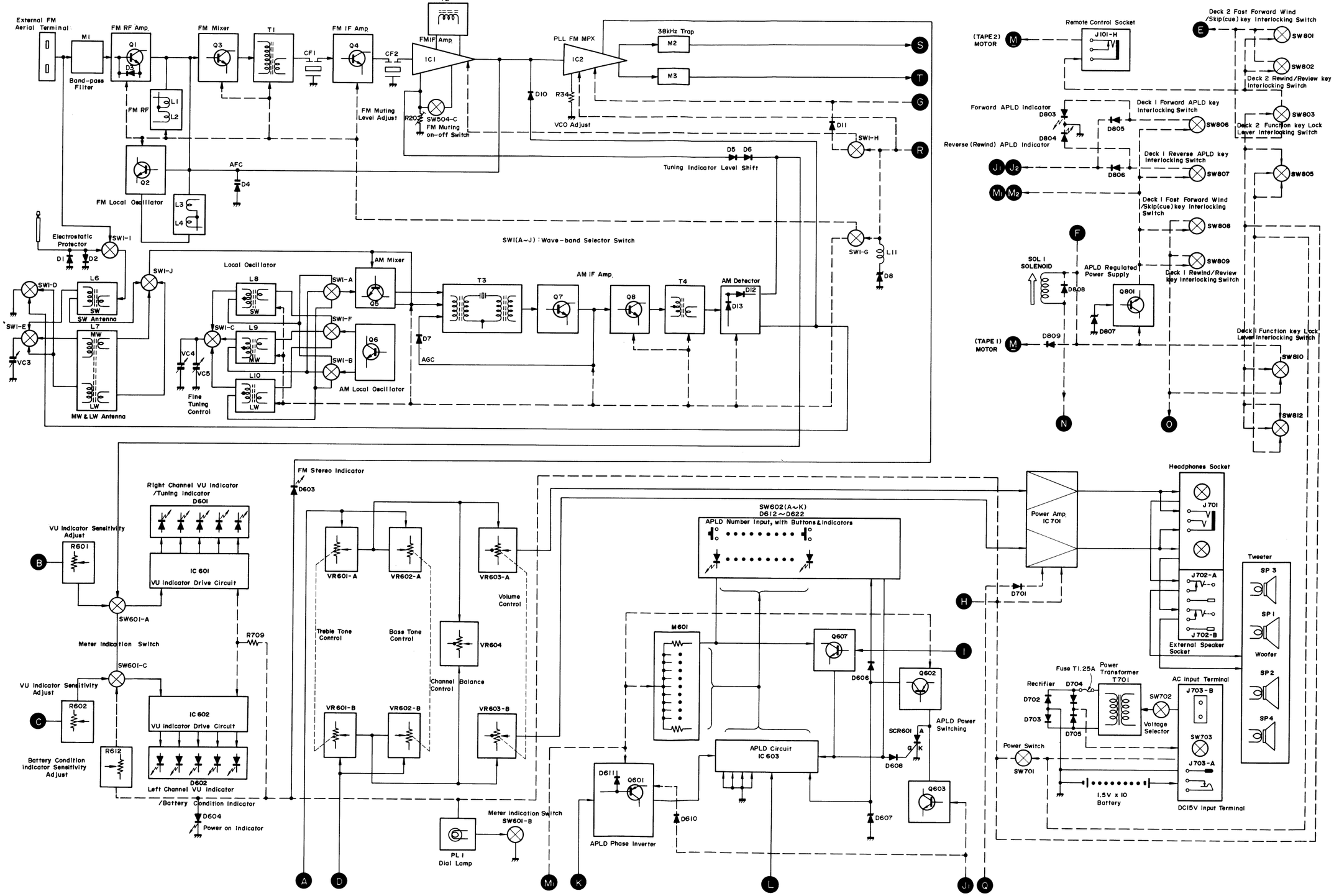


Figure 13 BLOCK DIAGRAM

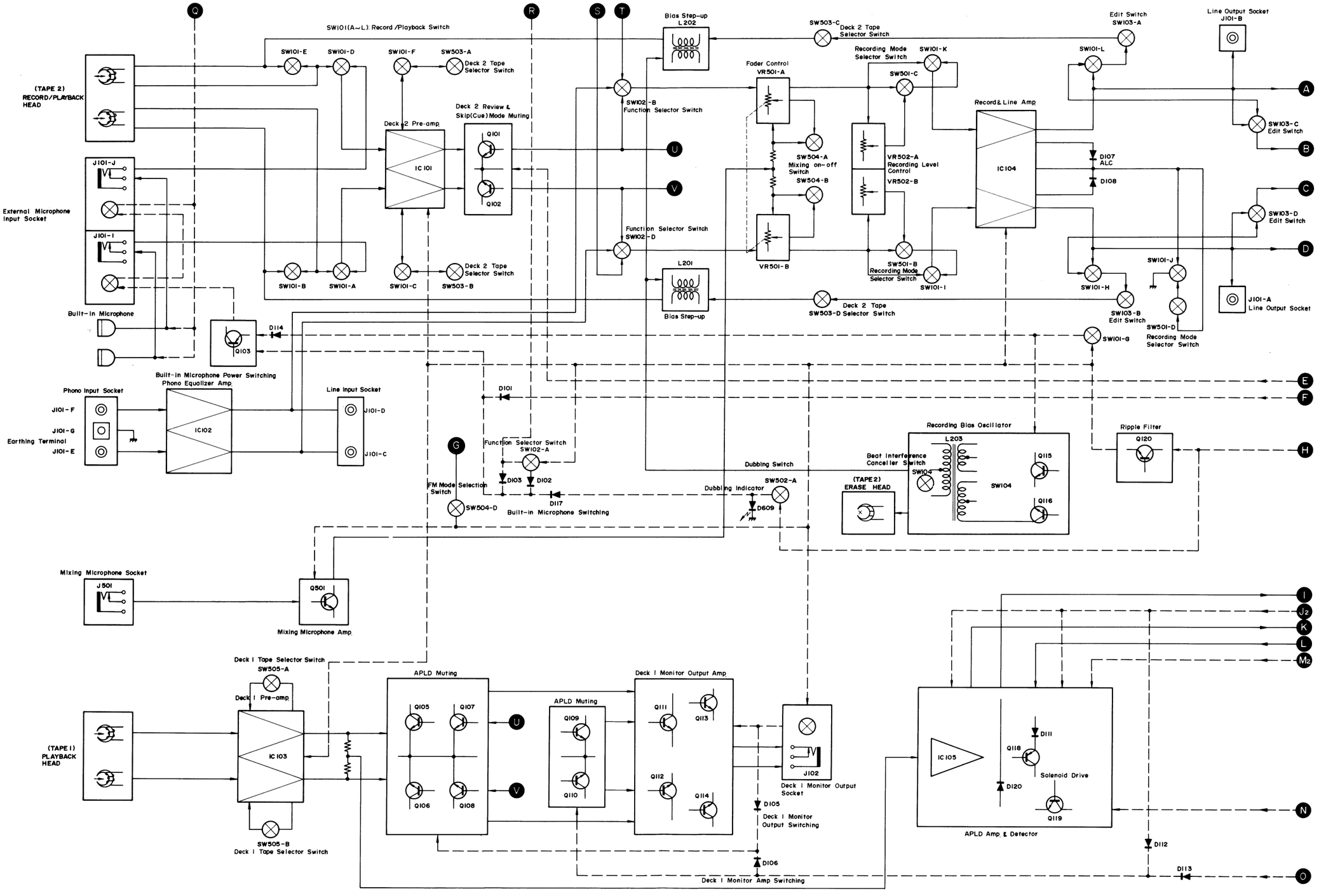


Figure 11 BLOCK DIAGRAM

3) Detach the headphones socket printed wiring board, and remove its wire holder.
4) Remove the two (2) screws at the power transformer, and detach the power supply printed wiring board by removing the hook on it.

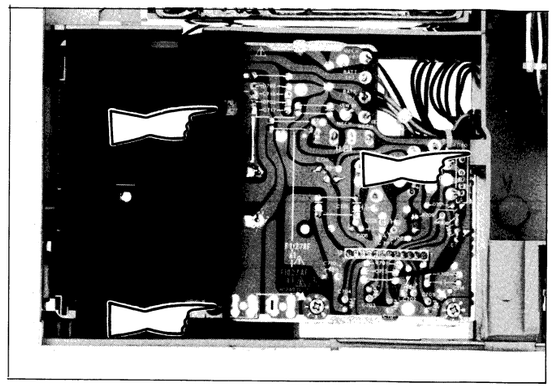


Figure 9–1

7. REMOVAL OF RECORD/PLAYBACK AMP. PRINTED WIRING BOARD AND SOCKETS/TERMINAL PRINTED WIRING BOARD

1) Remove the five (5) screws at the record/playback printed wiring board and also the three (3) at the sockets/terminal printed wiring board.
2) If necessary, further detach the built-in microphone and the deck-1 monitor output socket printed wiring board.

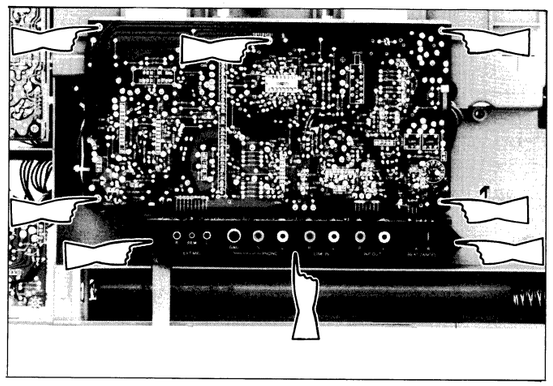


Figure 9–2

DIAL CORD STRINGING

1) Turn the drum fully clockwise and stretch its cord over the parts in the numerical order – as shown in Fig. 10–2.
2) Turn the tuning control shaft fully counterclockwise, bring the pointer (the rightmost) to align it with the marked-off line of the pointer guide plate, then fix it firmly. See Fig. 10–1.

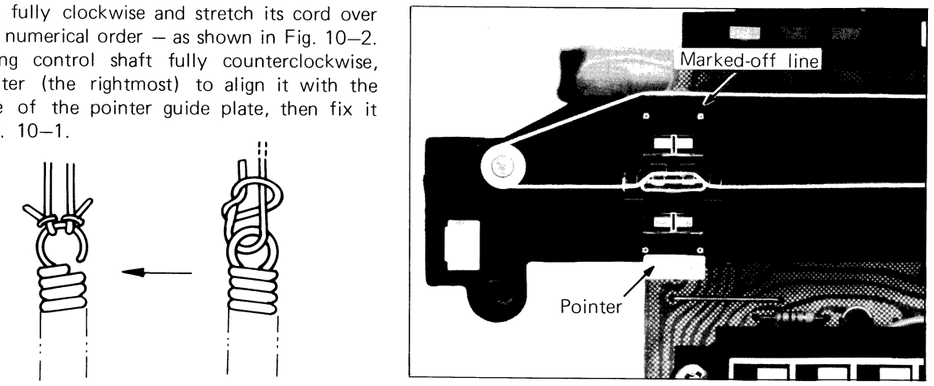


Figure 10–1

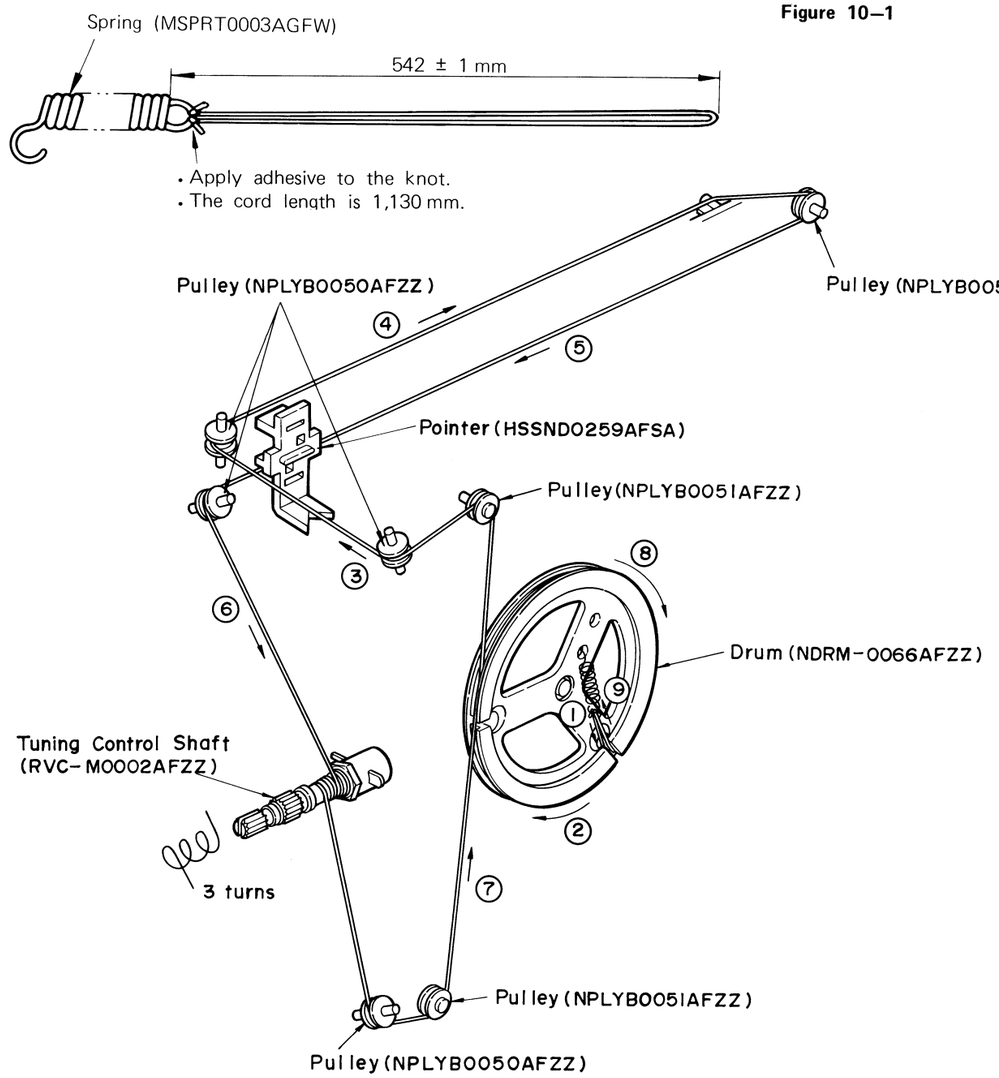
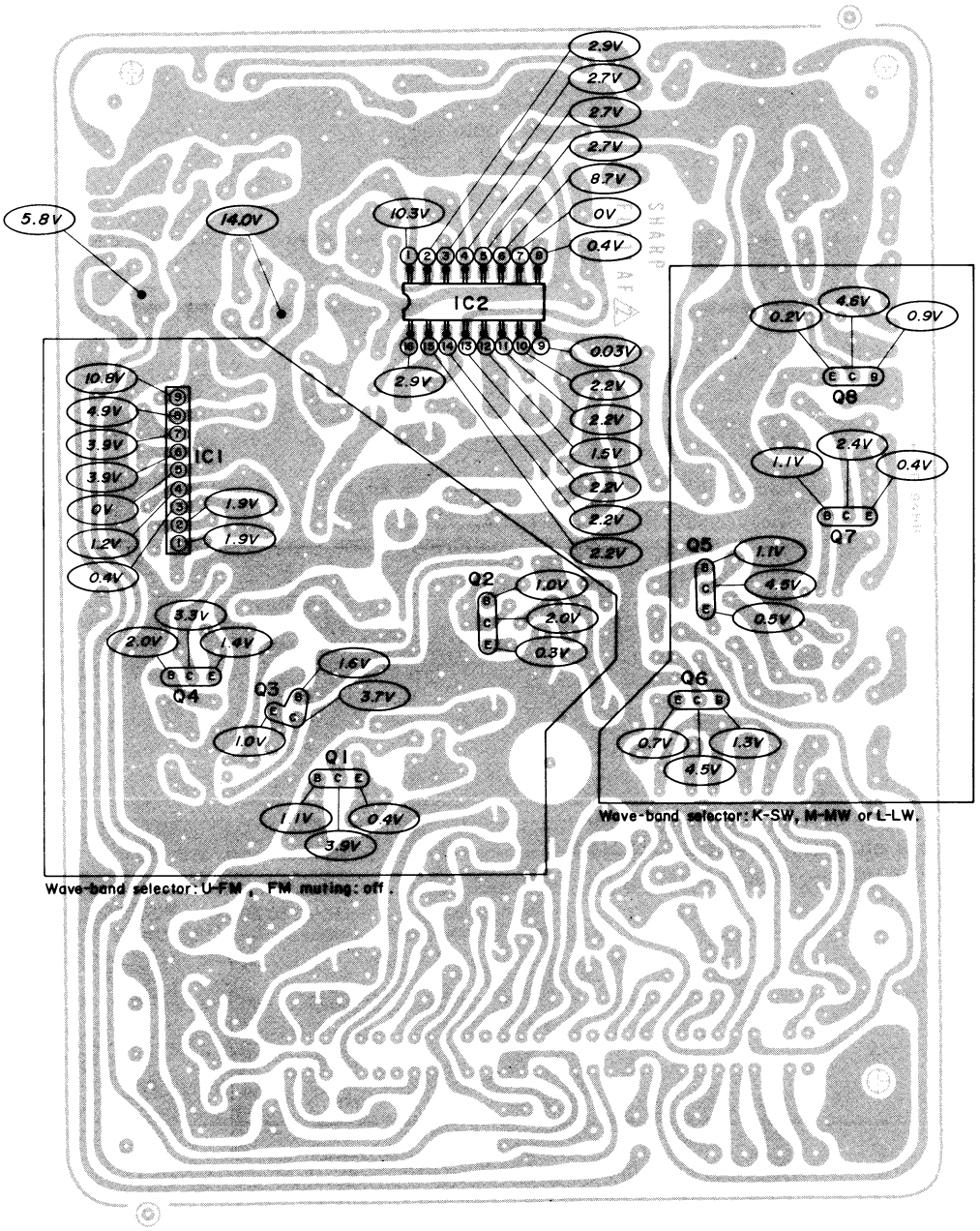
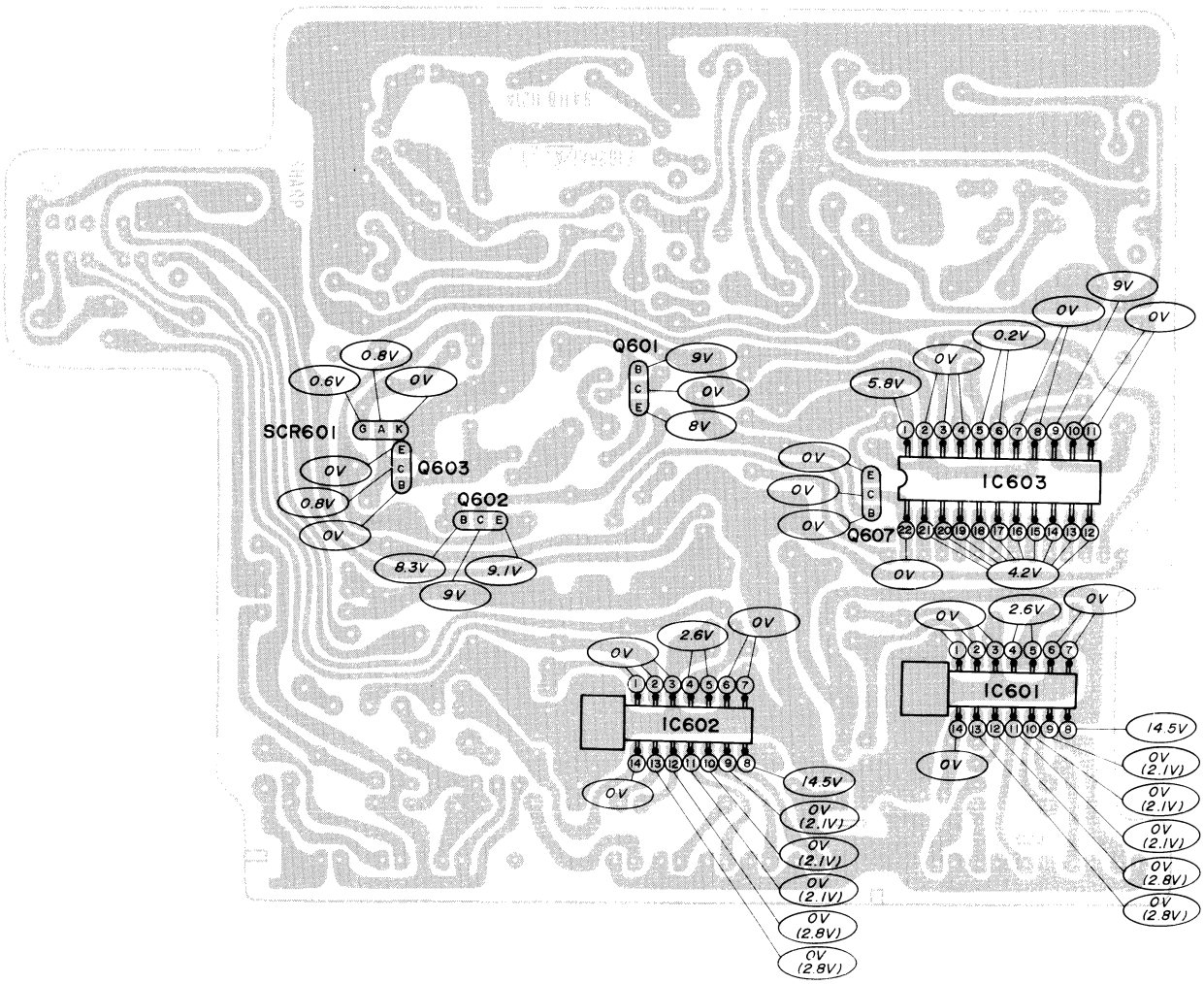


Figure 10–2



- Voltage measurement at each section should follow the same conditions as stated on pages 27 and 28 "NOTES ON SCHEMATIC DIAGRAM" – Article 31.
- Supply voltage is DC 15V.

Figure 17 VOLTAGES ON PRINTED WIRING BOARD



- Voltage measurement at each section should follow the same conditions as stated on pages 27 and 28 "NOTES ON SCHEMATIC DIAGRAM" – Article 31.
- Supply voltage is DC 15V.

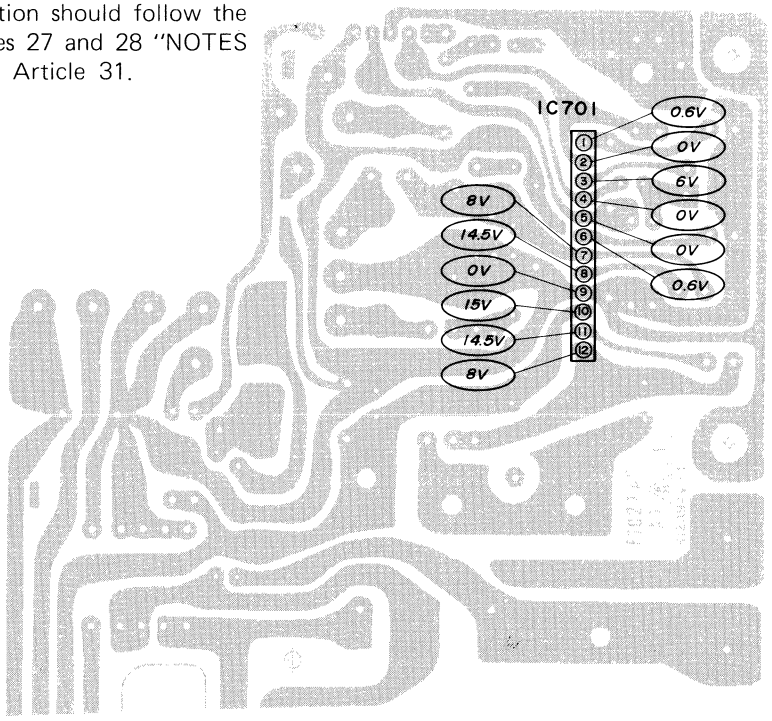


Figure 18 VOLTAGES ON PRINTED WIRING BOARD

IC1 RH-IX1083AFZZ (TA7303P-CSHARP3)

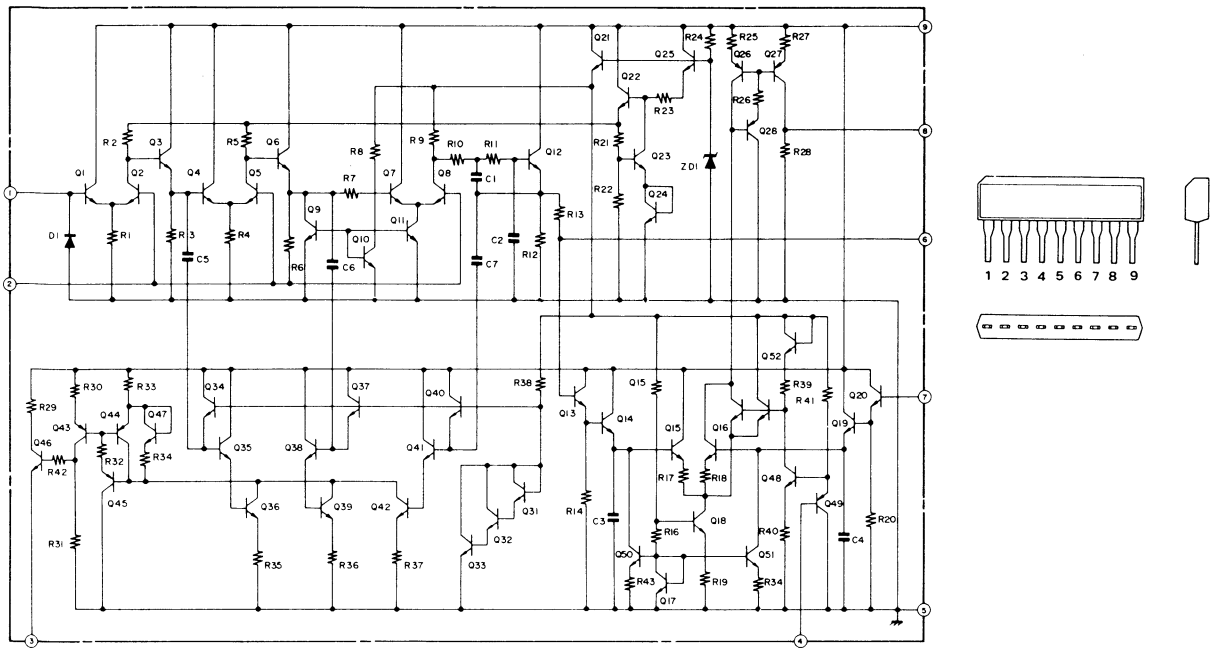


Figure 19–1 EQUIVALENT CIRCUIT OF INTEGRATED CIRCUIT (IC1)

IC101, IC102 & IC103 RH-IX1079AFZZ (M51521L)

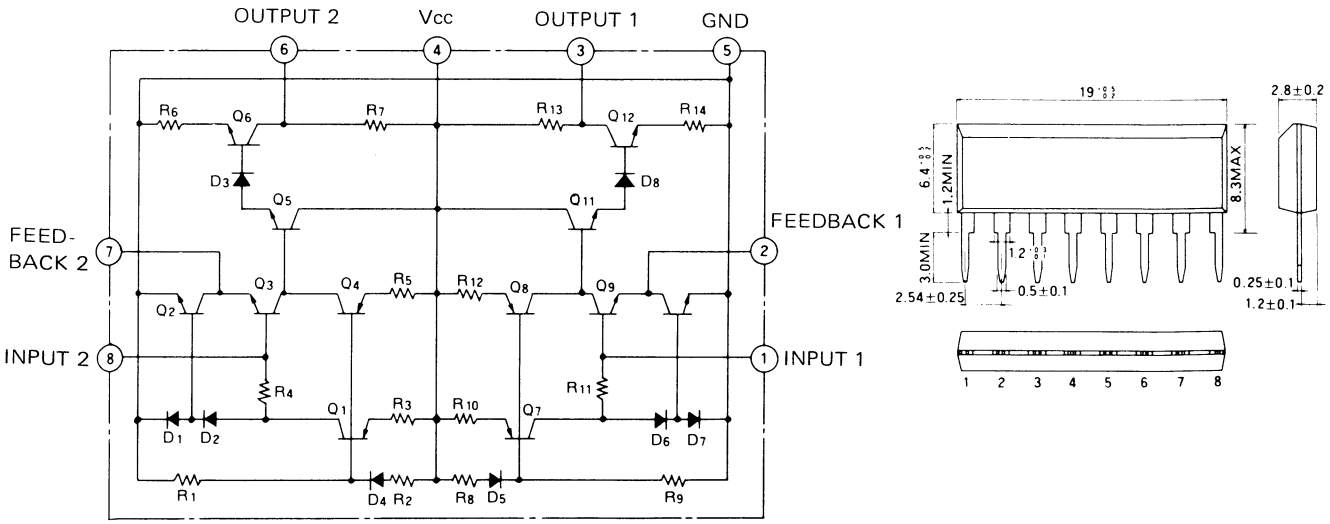


Figure 19–2 EQUIVALENT CIRCUIT OF INTEGRATED CIRCUIT (IC101, IC102 & IC103)

IC2 RH-IX1082AFZZ (BA1320)

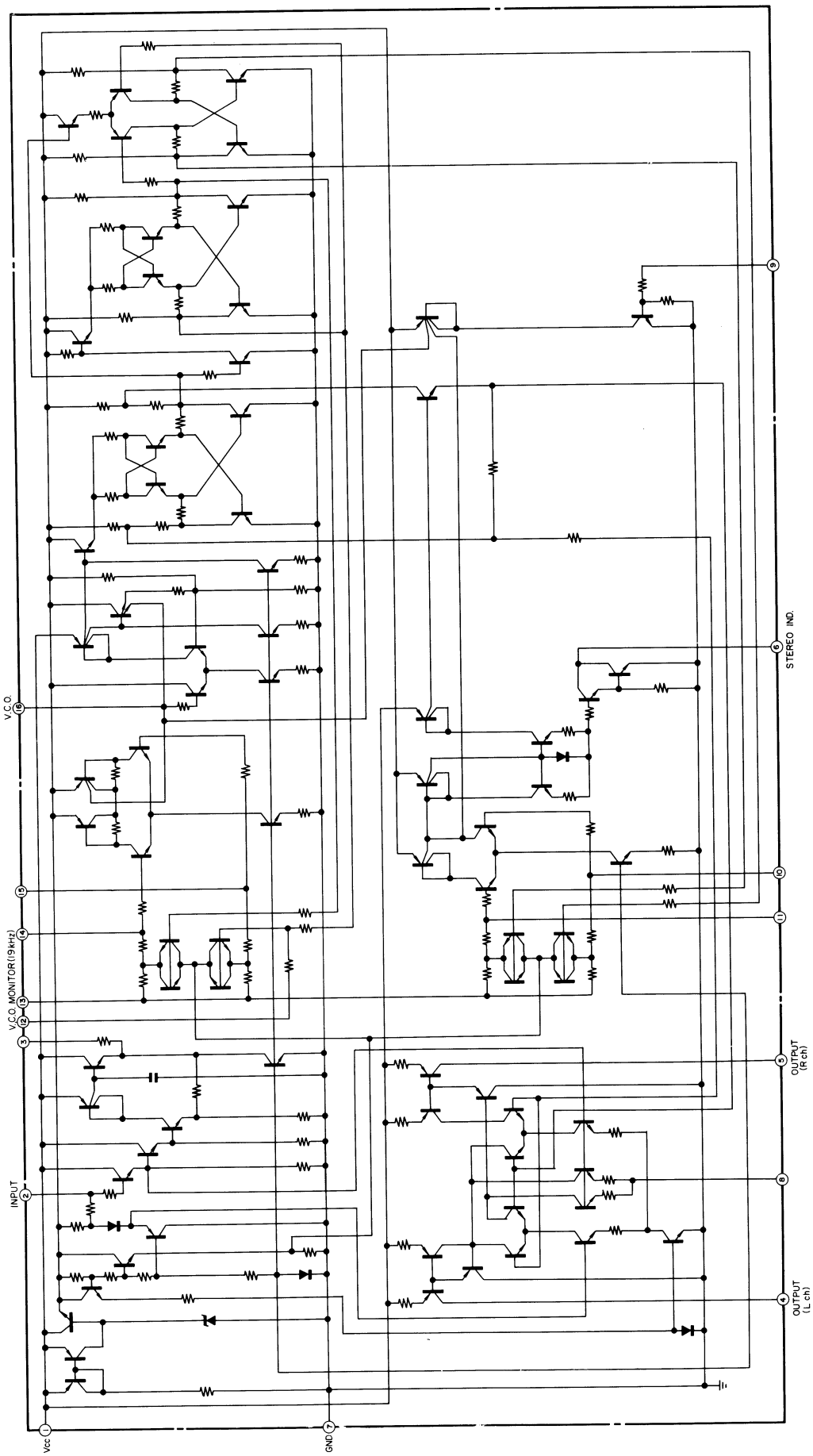


Figure 20 EQUIVALENT CIRCUIT OF INTEGRATED CIRCUIT (IC2)

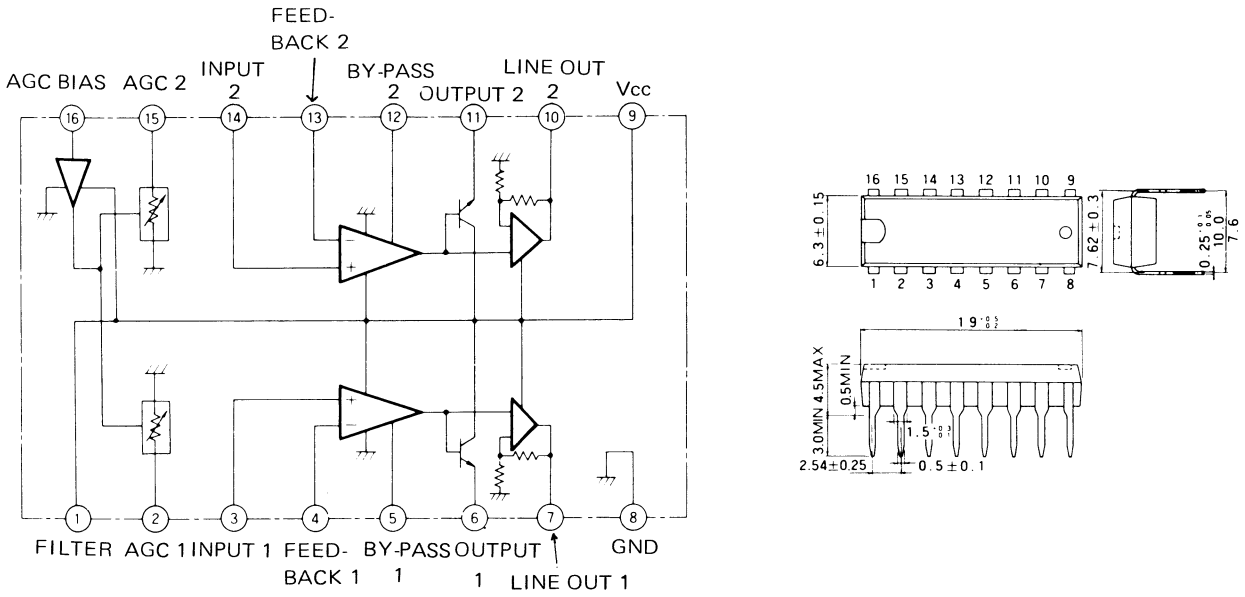
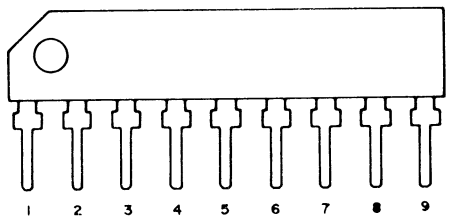


Figure 21–1 BLOCK DIAGRAM OF INTEGRATED CIRCUIT (IC104)

IC105 VHIIR3108//-1 (IR3108)



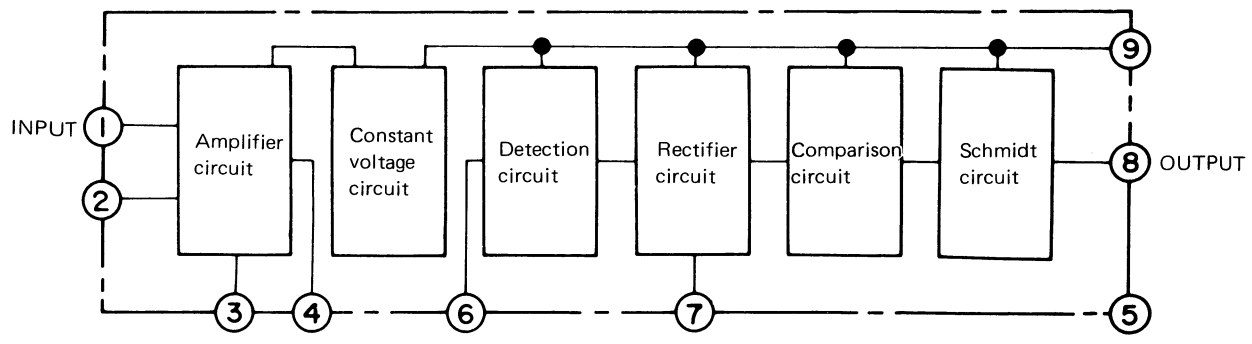


Figure 21–2 BLOCK DIAGRAM OF INTEGRATED CIRCUIT (IC105)

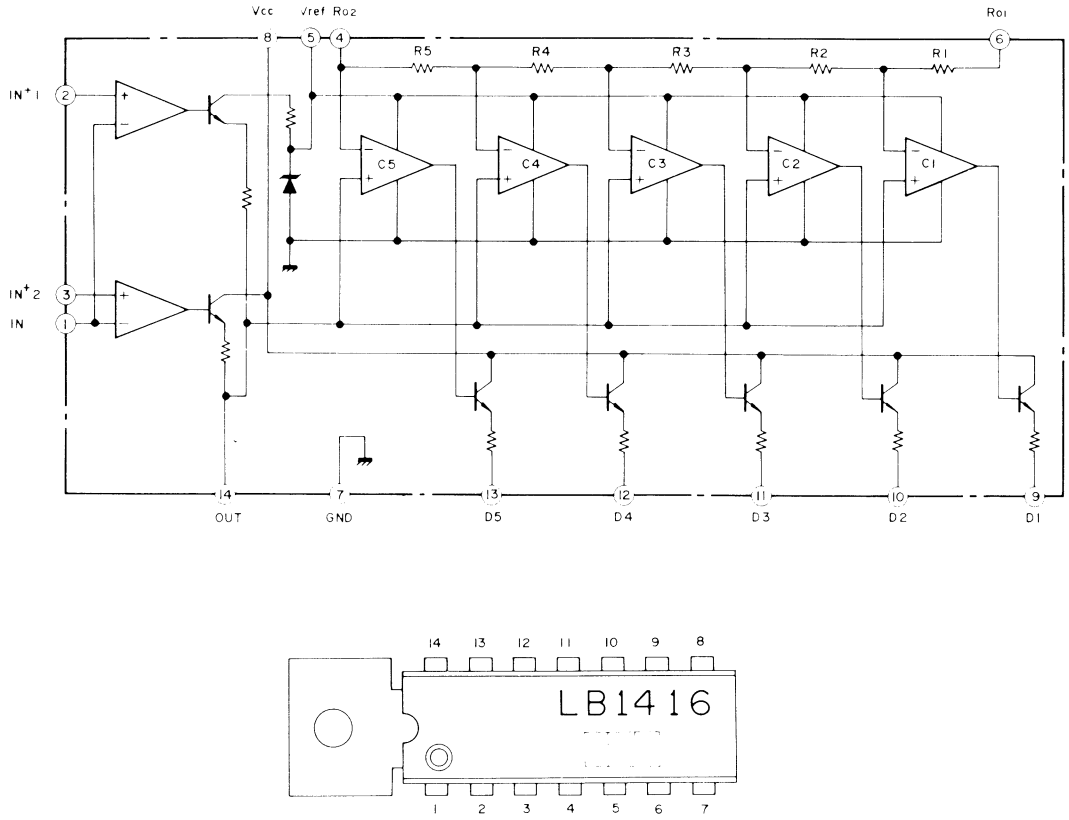


Figure 22 EQUIVALENT CIRCUIT OF INTEGRATED CIRCUIT (IC601, IC602)

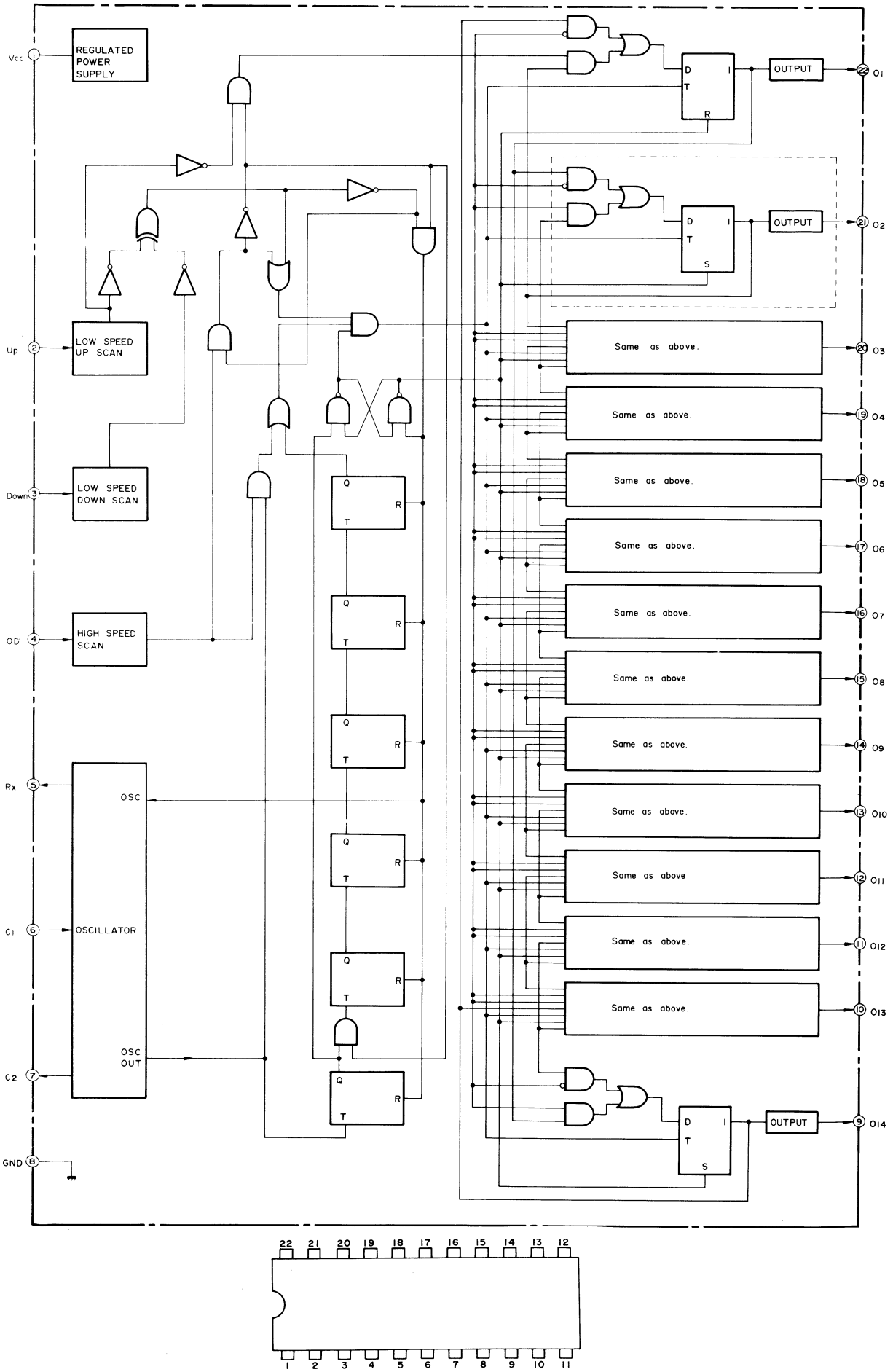
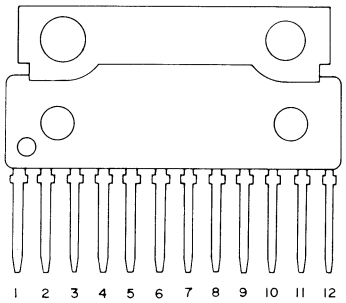


Figure 23 EQUIVALENT CIRCUIT OF INTEGRATED CIRCUIT (IC603)



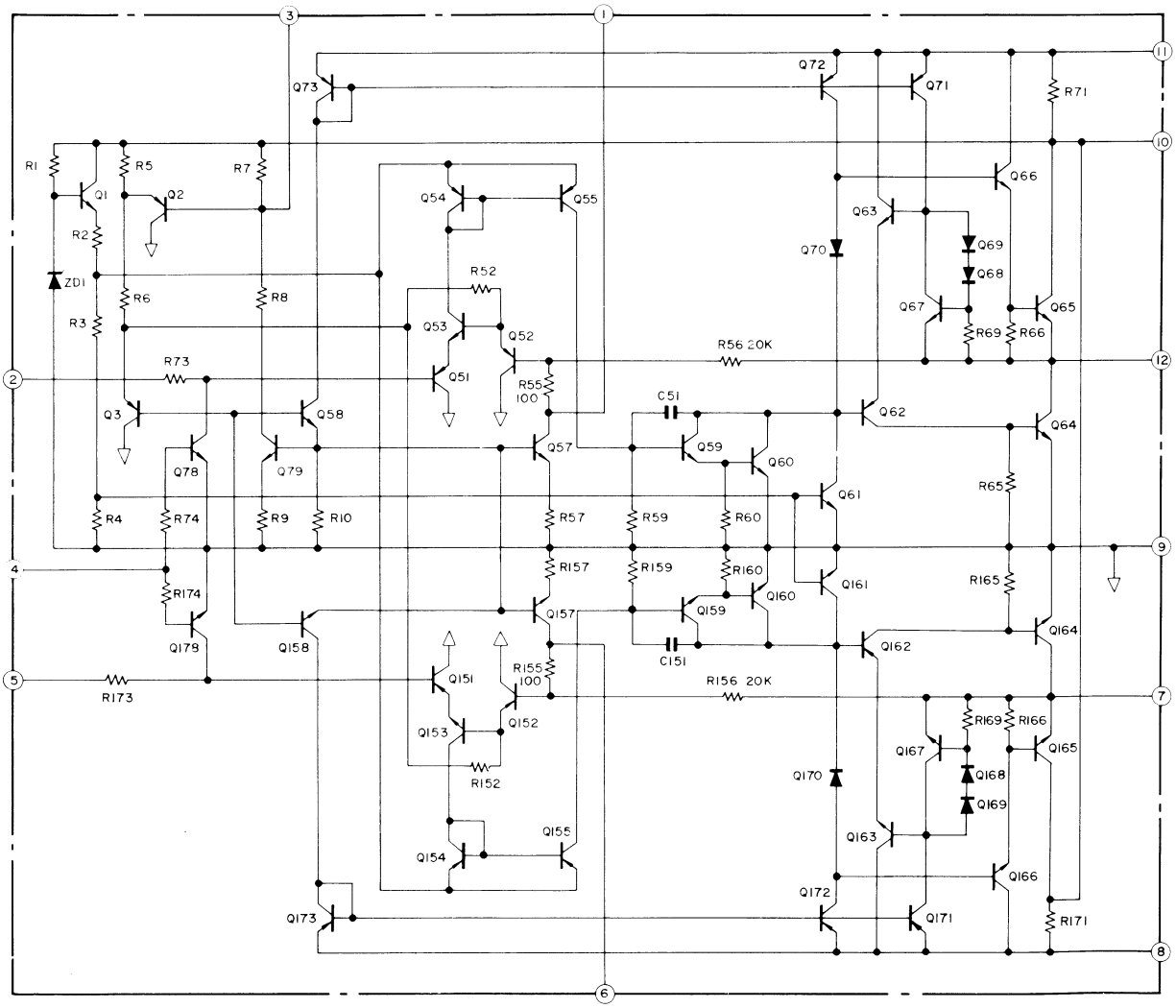
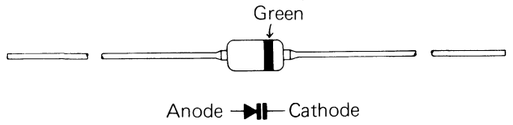
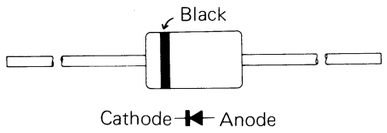


Figure 24 EQUIVALENT CIRCUIT OF INTEGRATED CIRCUIT (IC701)

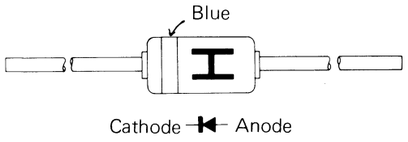
D4 VHC1S2688-B1F (1S2688B)



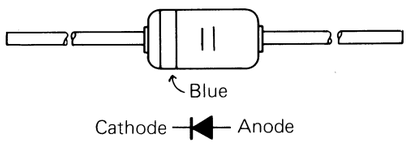
D5, D7, D12, D13
VHD1N34A///-1 (1N34A)



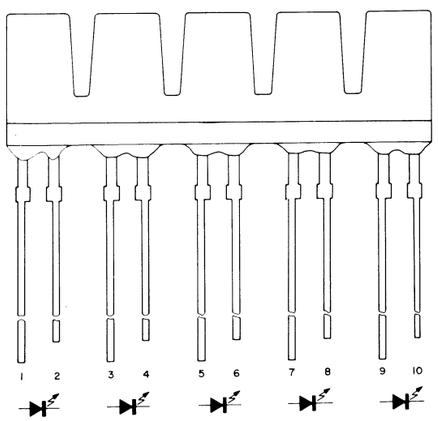
D1, D2, D3, D6, D9, D10, D11, D101, D102, D103, D105, D106, D107, D108, D111, D112, D113, D114, D117, D120, D606, D608, D610, D611, D701, D805, D806
VHD1S2076//-1 (1S2076)



D807
VHEHZ11A-1L-1 (HZ11A1L)

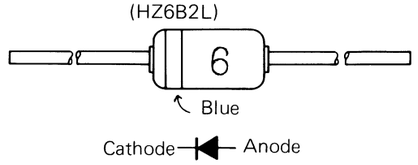


D601, D602
RH-PX1015AFZZ (GL-105M5)



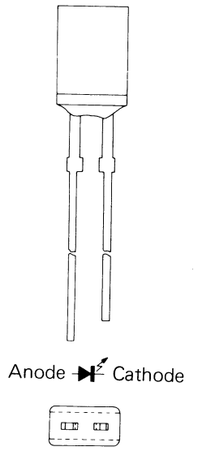
1, 3, 5, 7, 9: Anode
2, 4, 6, 8, 10: Cathode

D8, D607
VHEHZ6B2L//-1
(HZ6B2L)



D702, D703, D704, D705, D808, D809
VHD1OE1////-1 (10E1)

D603, D604
RH-PX1008AFZZ (GL-9PR2) (Red)
D609
VHPGL-9NG12-1 (GL-9NG12) (Green)



D803, D804 VHPGL-3PR3/-1
(GL-3PR3)

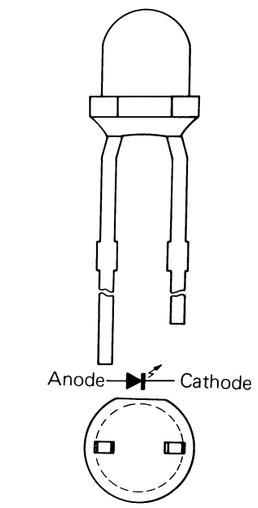
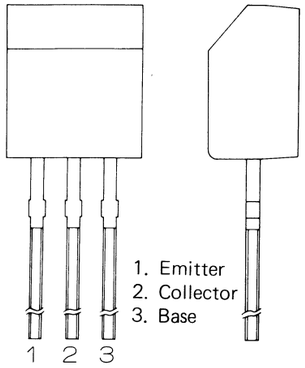


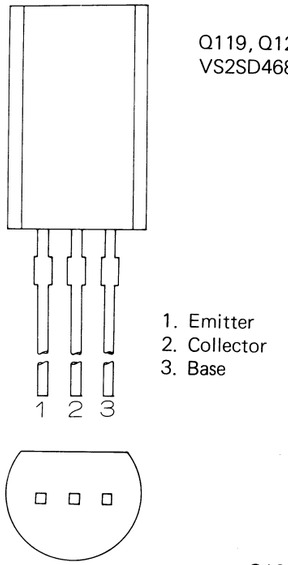
Figure 25 DIODES TYPE

Q1, Q2, Q3,
VS2SC535-B/-1 (2SC535B)
Q4, Q8
VS2SC460-C/-1 (2SC460C)
Q7
VS2SC460-B/-1 (2SC460B)



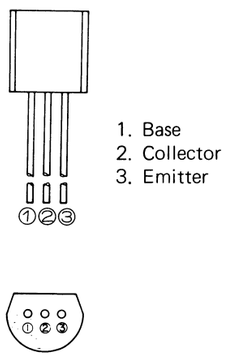
1. Emitter
2. Collector
3. Base

Q119, Q120, Q801
VS2SD468-C/-1 (2SD468C)



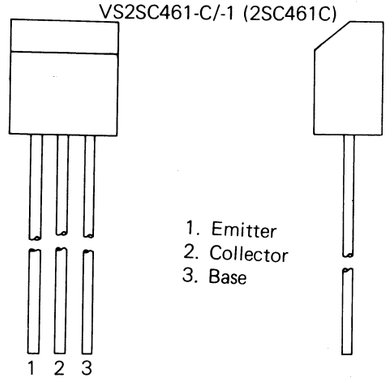
1. Emitter
2. Collector
3. Base

Q103, Q118, Q601, Q602
VS2SA1143//-1 (2SA1143)



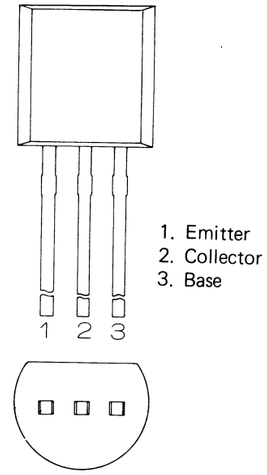
1. Base
2. Collector
3. Emitter

Q5
VS2SC461-B/-1 (2SC461B)
Q6
VS2SC461-C/-1 (2SC461C)



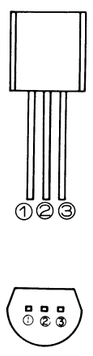
1. Emitter
2. Collector
3. Base

Q111, Q112, Q115, Q116
VS2SC458-D/-1 (2SC458D)
Q113, Q114
VS2SC458-C/-1 (2SC458C)
Q501
VS2SC458LGD-1 (2SC458LGD)



1. Emitter
2. Collector
3. Base

Q101, Q102, Q105, Q106, Q107, Q108, Q109, Q110, Q603, Q607
VS2SC2691//-1 (2SC2691)



1. Base
2. Collector
3. Emitter

Figure 26 TRANSISTORS TYPE

NOTES ON SCHEMATIC DIAGRAM

1. Frequency range: LW; 150 kHz to 285 kHz
   MW; 520 kHz to 1620 kHz
   SW; 5.95 MHz to 18 MHz
   FM; 87.6 MHz to 108 MHz
2. Intermediate frequency:
   LW/MW/SW; 455 kHz
   FM; 10.7 kHz
3. Resistor:
   - Unless otherwise specified, any resistance is expressed in ohms. K = 1000 ohms and M = 1000 Kohms. The rated power is 1/4 W.
   - The symbol "—WW—" means ordinary resistor and the symbol "—▭—" means printed resistor.
4. Capacitor:
   - Unless otherwise specified, any capacitance is expressed in microfarad. P = picofarad
   - The types of capacitors are seen from the symbols ML (mylar capacitor), Styrol (polystyrene film capacitor) and CH (temperature compensating ceramic capacitor).
5. Electrolytic capacitor:
   The expression "capacitance/withstand voltage" is used.
6. SW1 (A ~ J): Wave-band selector switch (shown in "U-FM" position)
7. SW101 (A ~ L): Record/Playback switch (shown in playback mode)
8. SW102 (A ~ D): Function selector switch (shown in "tape" position
9. SW103 (A ~ D): Edit switch (without the edit key being pushed)
10. SW104: Beat interference canceller switch (shown in "B" position)
11. SW501 (B ~ D): Recording mode selector switch (shown in "auto" position)
12. SW502 A: Dubbing switch (shown in "off" position)
13. SW503 (A ~ D): Deck 2 tape selector switch (shown in "normal" position)
14. SW504 (A, B): Mixing on-off switch (shown in "off" position)
15. SW504C: FM muting on-off switch (shown in "off" position)
16. SW504D: FM mode selection switch (shown in "mono" position)
17. SW505 (A, B): Deck 1 tape selector switch (shown in "normal" position)
18. SW601 (A ~ C): Meter indication selector switch (shown in "VU level" position)
19. SW602 (A ~ K): APLD number input switch
20. SW701: Power switch (shown in "sleep/ timer stand-by" position)
21. SW702: Voltage selector switch (shown in "220 V" position)
22. SW703: AC/DC selector switch
23. SW801: Deck 2 fast forward wind/skip (cue) key interlocking switch
24. SW802: Deck 2 rewind/review key interlocking switch
25. SW803, SW805: Deck 2 function key lock lever interlocking switch
26. SW806: Deck 1 forward APLD key interlocking switch
27. SW807: Deck 1 reverse APLD key interlocking switch
28. SW808: Deck 1 fast forward wind/skip (cue) key interlocking switch
29. SW809: Deck 1 rewind/review key interlocking switch
30. SW810, SW812: Deck 1 function key lock lever interlocking switch
31. The indicated voltage in each section is the one measured by VTVM between such a section and the chassis with no signal being given.

- The voltage of the integrated circuit (IC1) is the one measurable when the wave-band selector switch (SW1) is set to "U-FM": its parenthesized value comes when the FM muting on-off switch (SW504C) is set to "on".
- The voltage of the integrated circuit (IC2) is the one measurable when the wave-band selector switch (SW1) is set to "U-FM": its parenthesized value comes when the FM mode selector switch (SW504D) is set to "mono".
- The voltage of the integrated circuit (IC105) is the one measurable when the deck 1 APLD forward key is pushed: its parenthesized value comes when a signal is applied to pin 1 of the IC105.
- The voltage of the integrated circuit (IC601) or (IC602) is the one measurable when the meter indication selector switch (SW601) is set to "VU level": its parenthesized value comes when the indicator (D601 or D602) lights up.
- The voltage of the integrated circuit (IC603) is the one measurable when the deck 1 APLD forward key is pushed: any of its pins 12 thru 22 comes to have zero potential when the APLD number indicator lights up.
- The voltage of the transistor (Q101 or Q102) is the one obtainable when the deck 2 playback key is pushed: its parenthesized value comes when the fast forward/cue (skip) key is pushed following that playback key.
- The voltage of either transistor Q105, Q106, Q107 or Q108 is the one obtainable when the deck 1 playback key is pushed: its parenthesized one arises when the deck 1 APLD forward key is pushed.
- The parenthesized voltage of the integrated circuit IC701 is the one available when recording is made through the built-in microphone — say, with the function selector switch set at "tape" and with the deck 2 record key pushed.
- The voltage of the radio circuit is the one available when the function selector switch is set at "radio" to tune in the highest frequency — its prefixed comment "FM" or "AM" means that the wave-band selector switch must be set to "U-FM" or to "K-SW" ("M-MW" or "L-LW").
- The voltage of the transistor Q103 is the one measurable when recording is made through the built-in microphone — say, with the function selector switch set at "tape" and with the deck 2 record key pushed: its parenthesized value comes when the built-in microphone is made inactive with the dubbing switch set at "on" although the unit stays in record mode.
- The voltage of the transistor (Q115 or Q116) is the one measurable when the deck 2 record key is pushed to get the unit in record mode.
- The voltage of either transistor Q118, Q119, Q601, Q602, Q603, Q607 or Q801 is the one measurable when the deck 1 APLD forward key is pushed.
- The voltage of either transistor Q111, Q112, Q113 or Q114 is the one measurable when the headphone plug is inserted into the deck 1 monitor output socket.

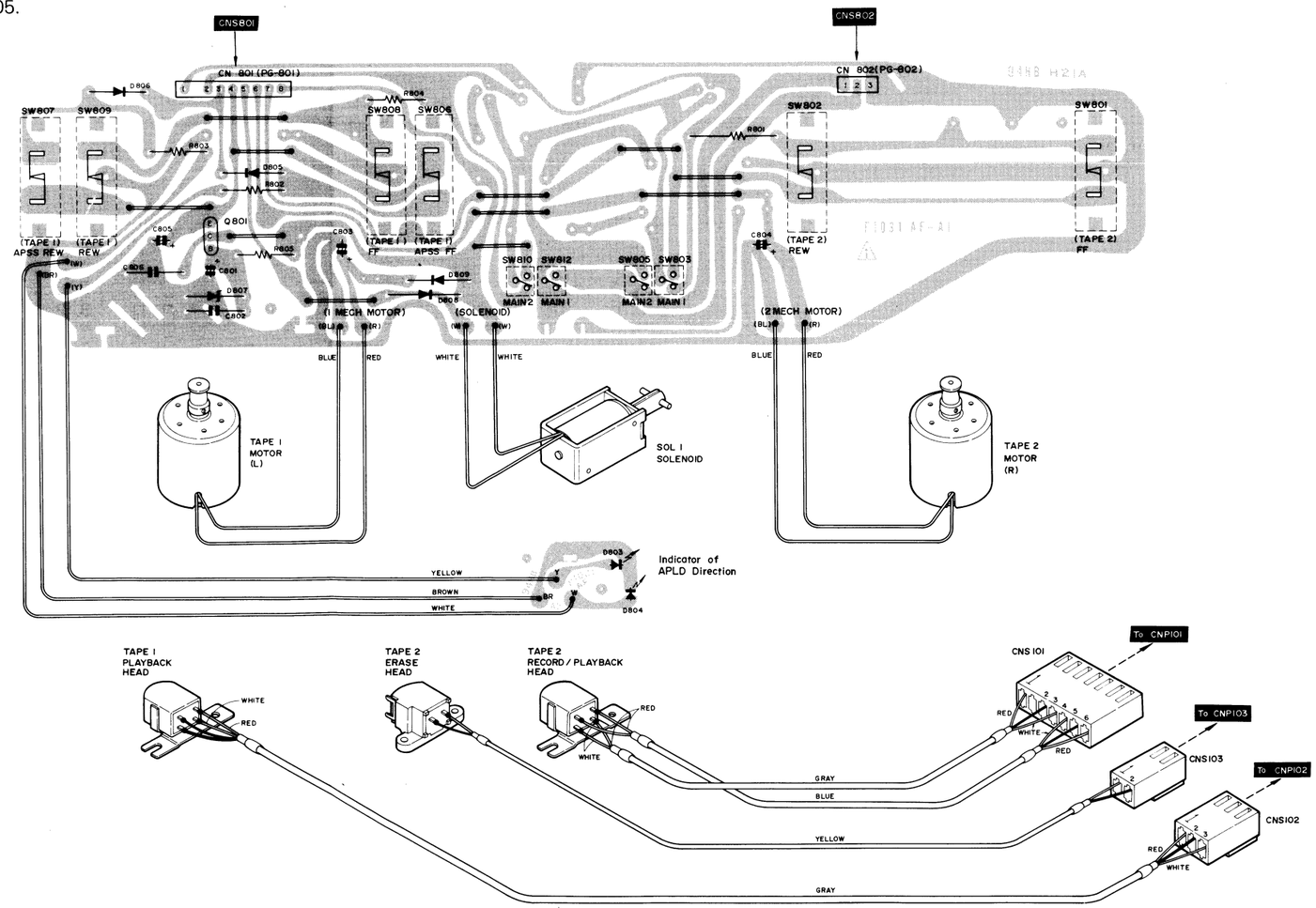


Figure 27 WIRING SIDE OF PRINTED WIRING BOARD (1/4)

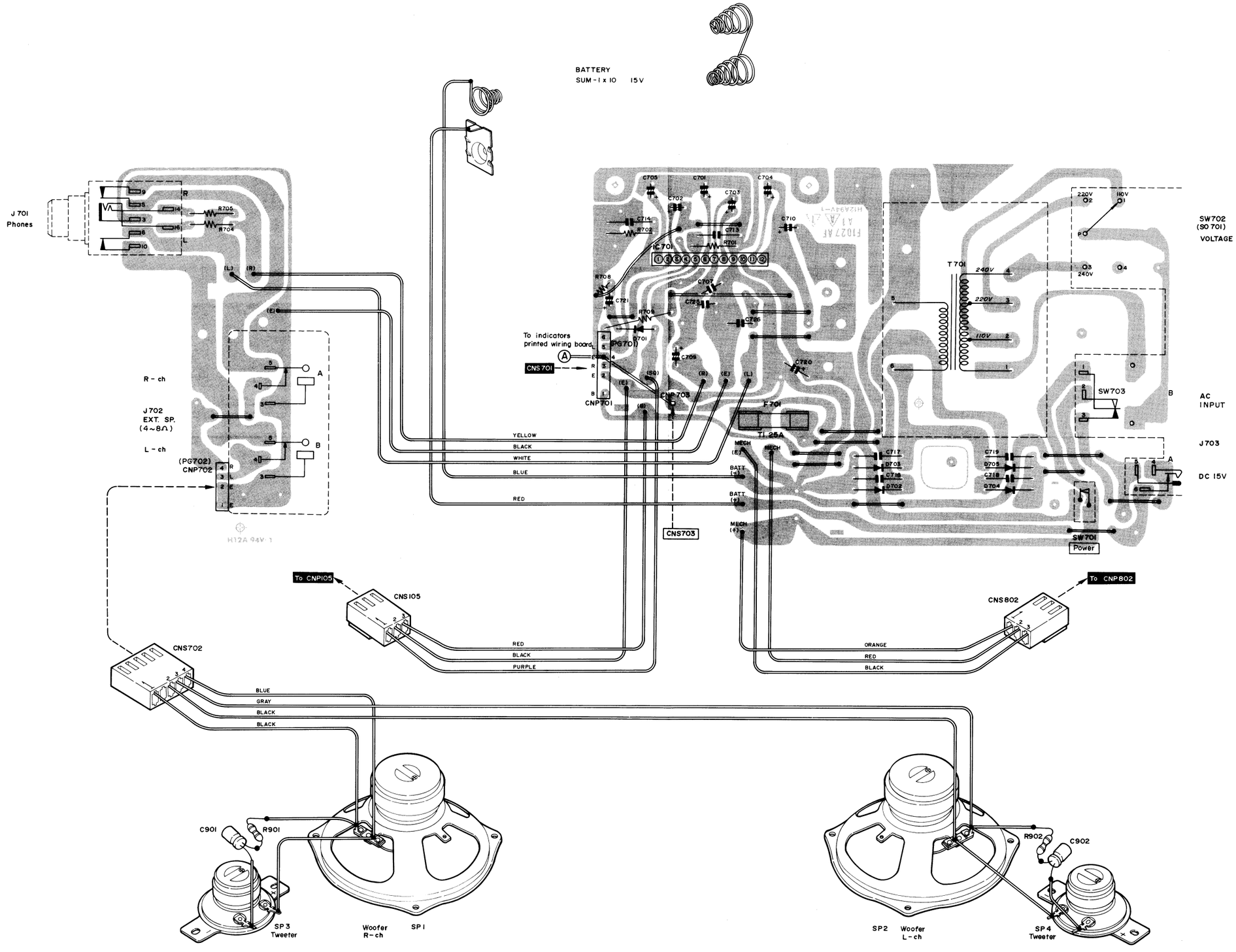
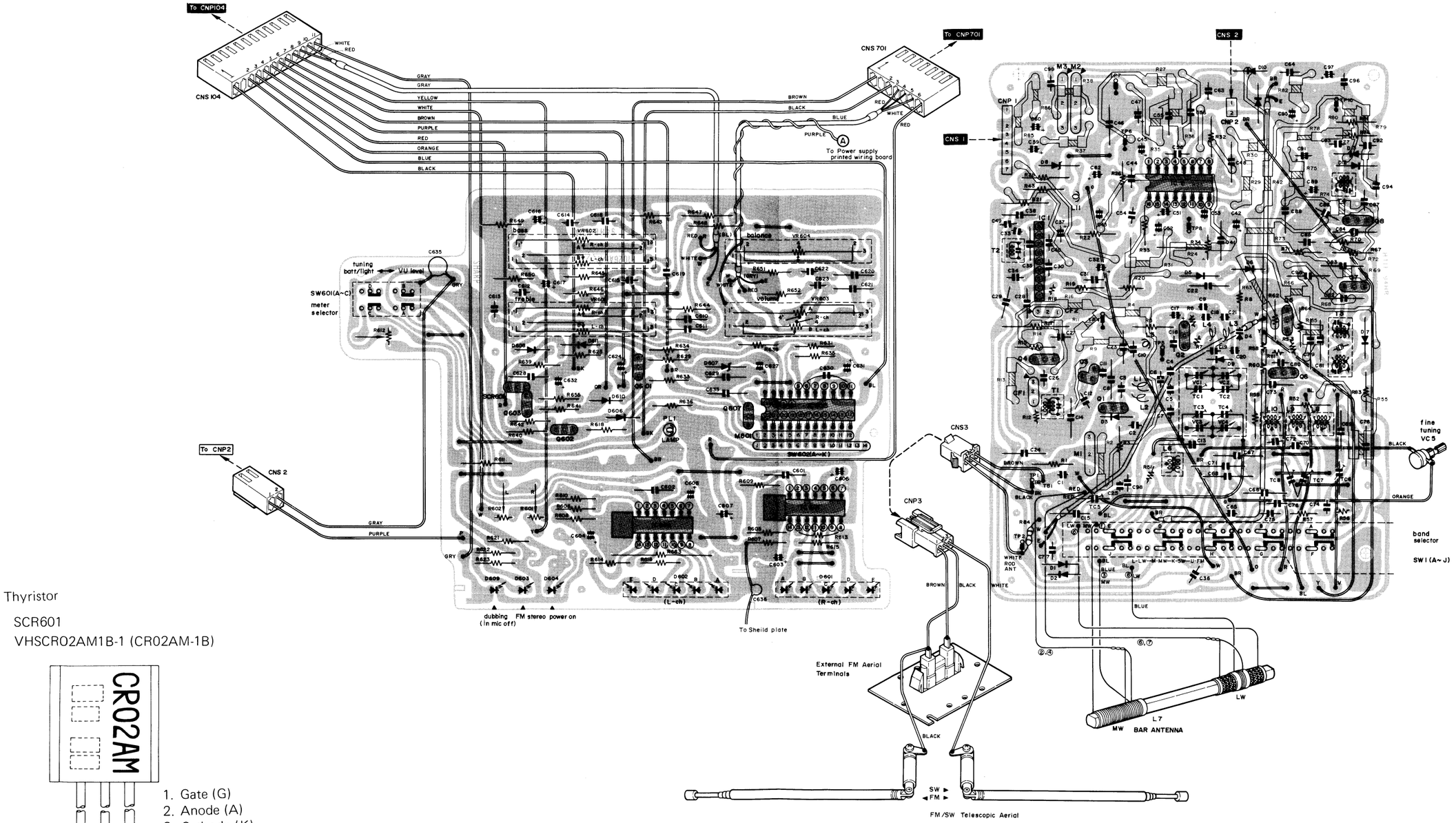


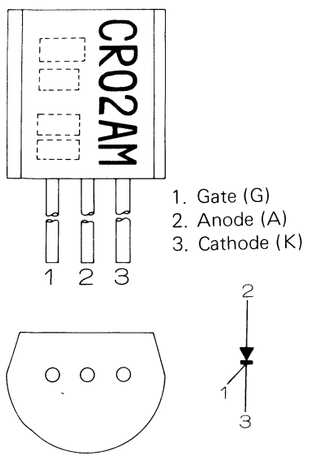
Figure 29 WIRING SIDE OF PRINTED WIRING BOARD (2/4)

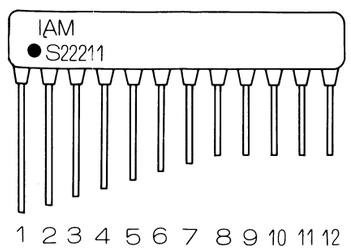


Thyristor

SCR601

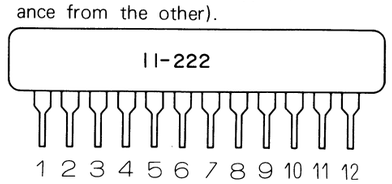
VHSCR02AM1B-1 (CR02AM-1B)





M601 RMPTC0020AFZZ

- This is available in two types (either different in appearance from the other).



- Internal Circuit Diagram

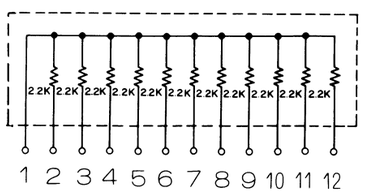
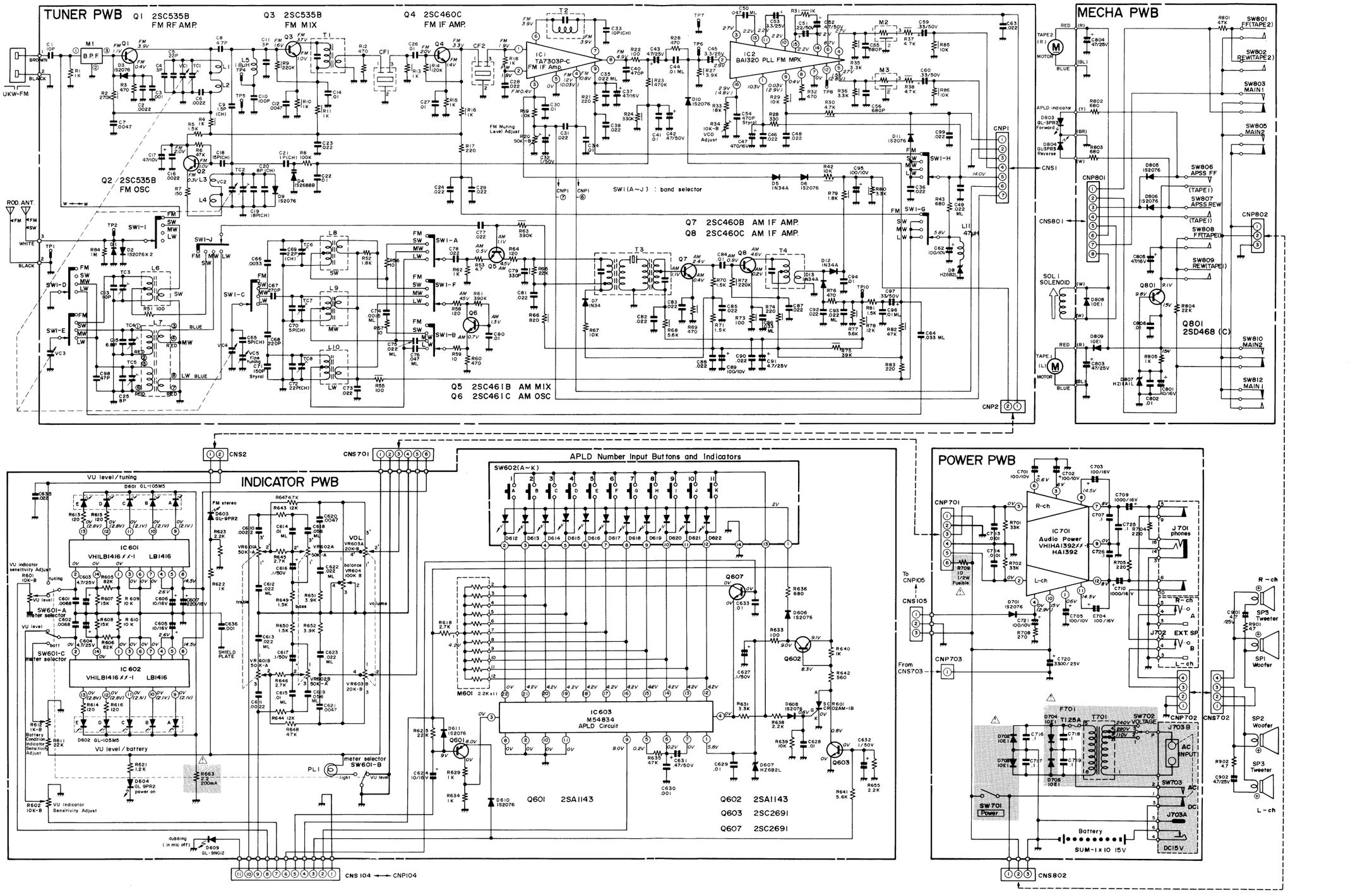


Figure 31 WIRING SIDE OF PRINTED WIRING BOARD (3/4)



NOTES: Be sure to use regular parts for securing the safety and reliability of the set. Parts marked with "⚠" and parts cross-hatched (in black) are especially important for maintaining the safety and protecting ability of the set. Be sure to replace them with parts of specified part number.

Specifications or wiring diagrams of this model are subject to change for the improvement without prior notice.

Figure 33 SCHEMATIC DIAGRAM (1/2)

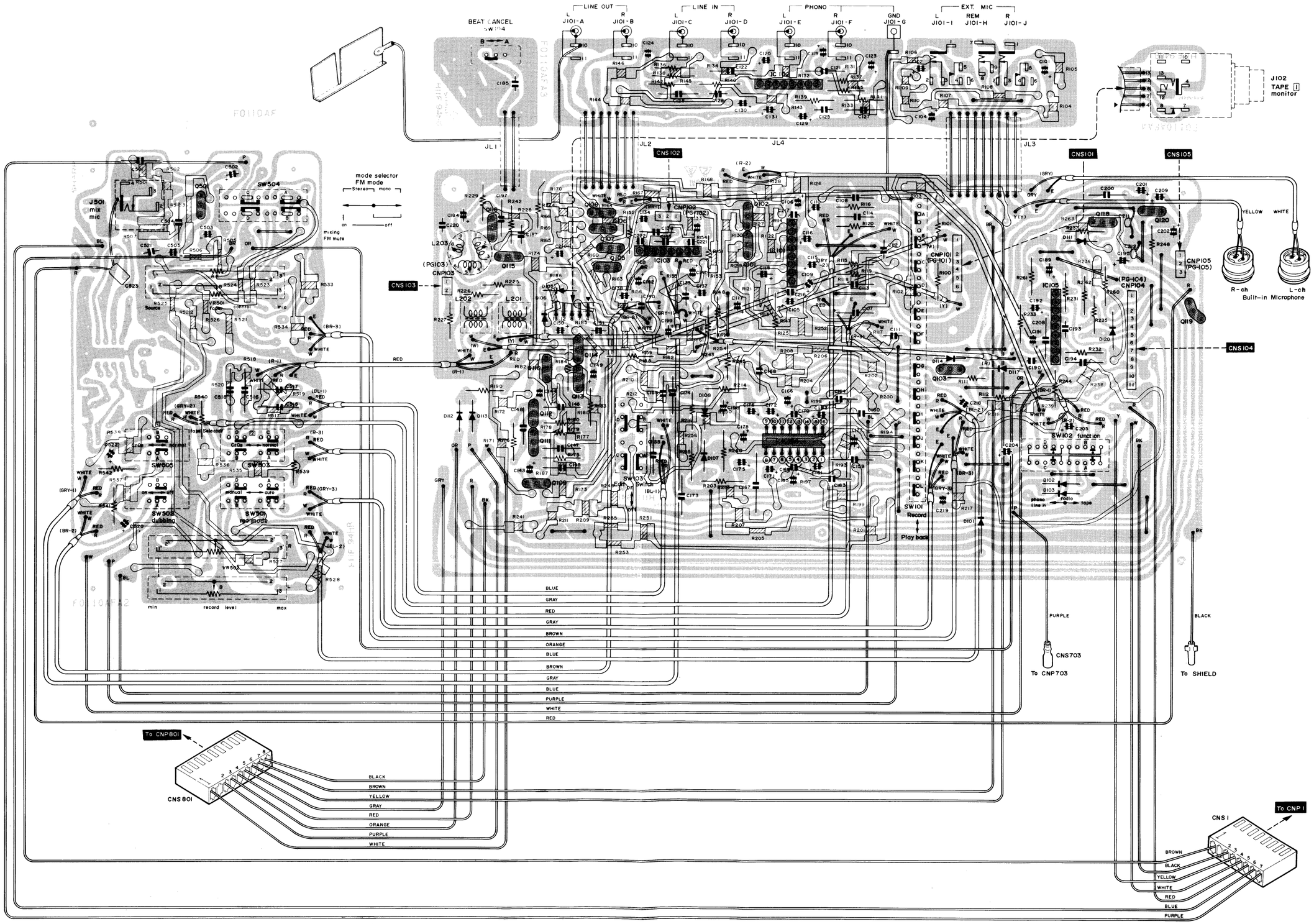
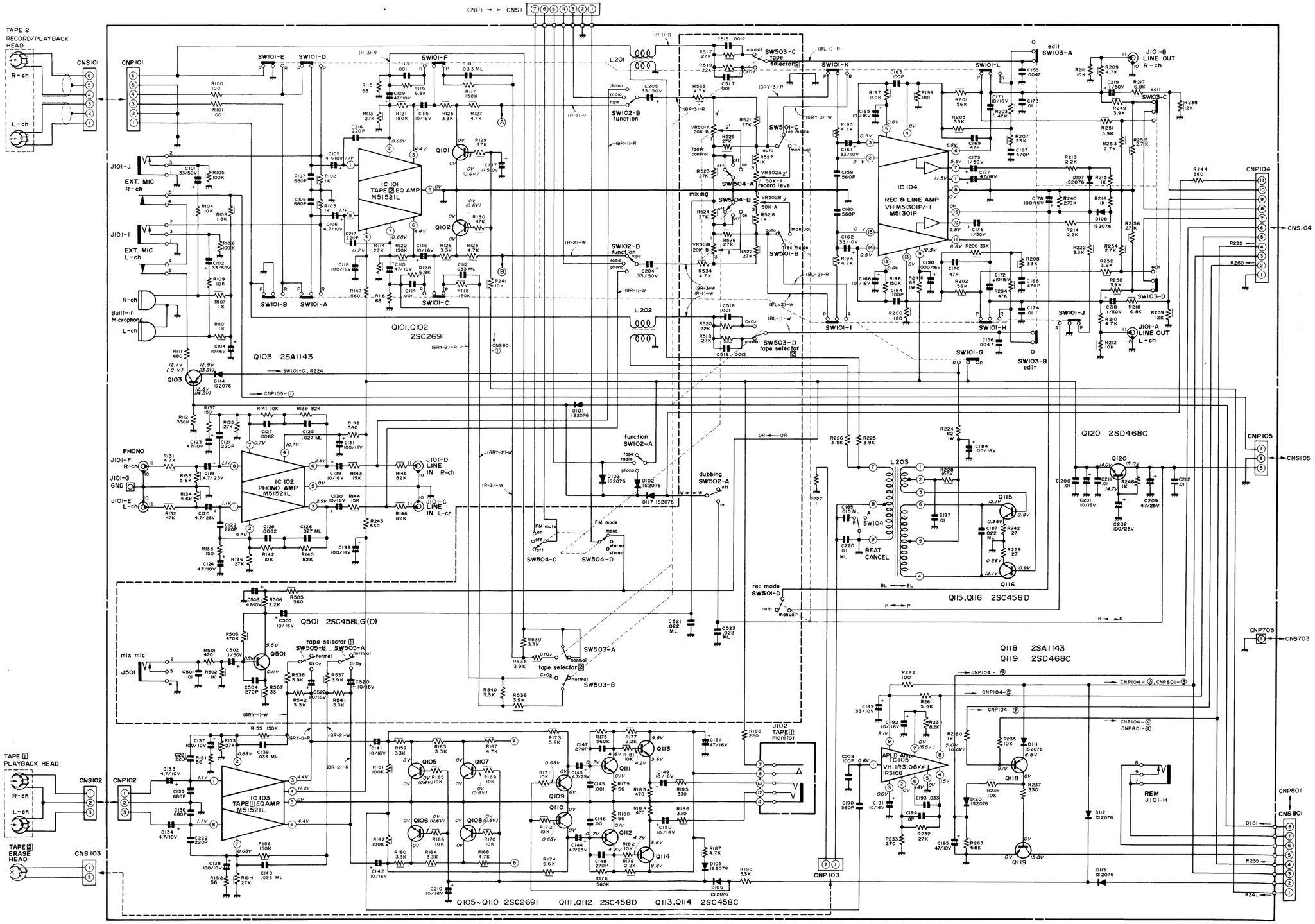
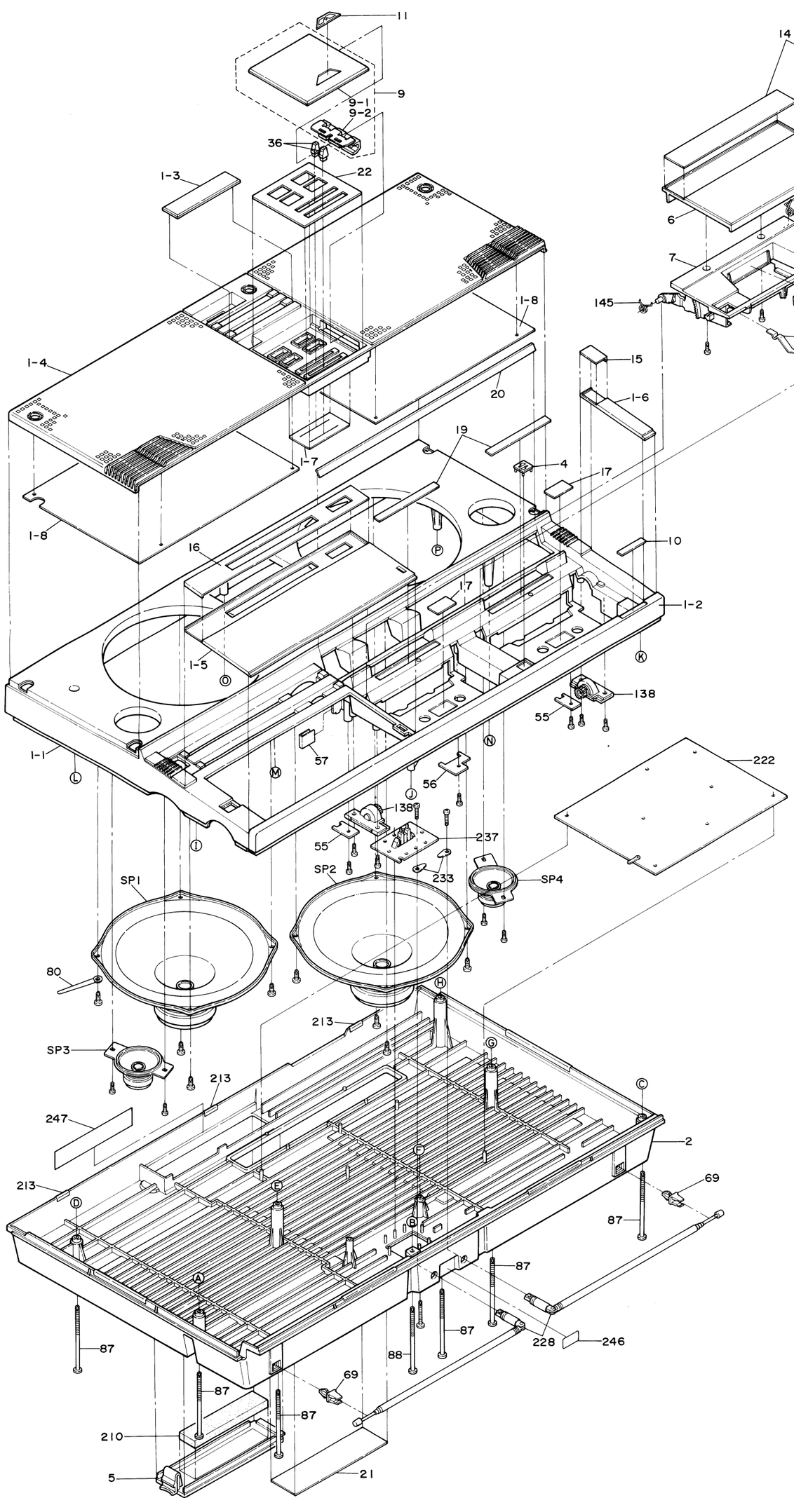


Figure 35 WIRING SIDE OF PRINTED WIRING BOARD (4/4)

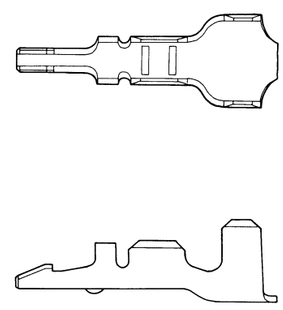


Specifications or wiring diagrams of this model are subject to change for the improvement without prior notice.

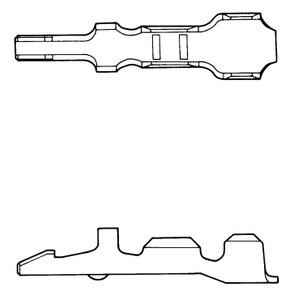
Figure 37 SCHEMATIC DIAGRAM (2/2)



229



230



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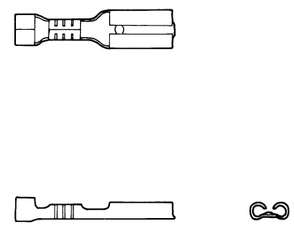

239

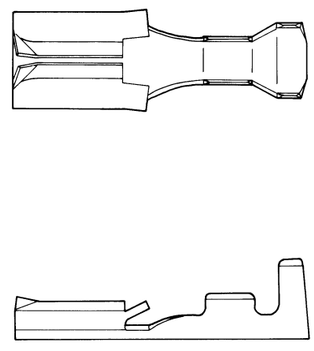

Figure 39 CABINET EXPLODED VIEW (1/2)

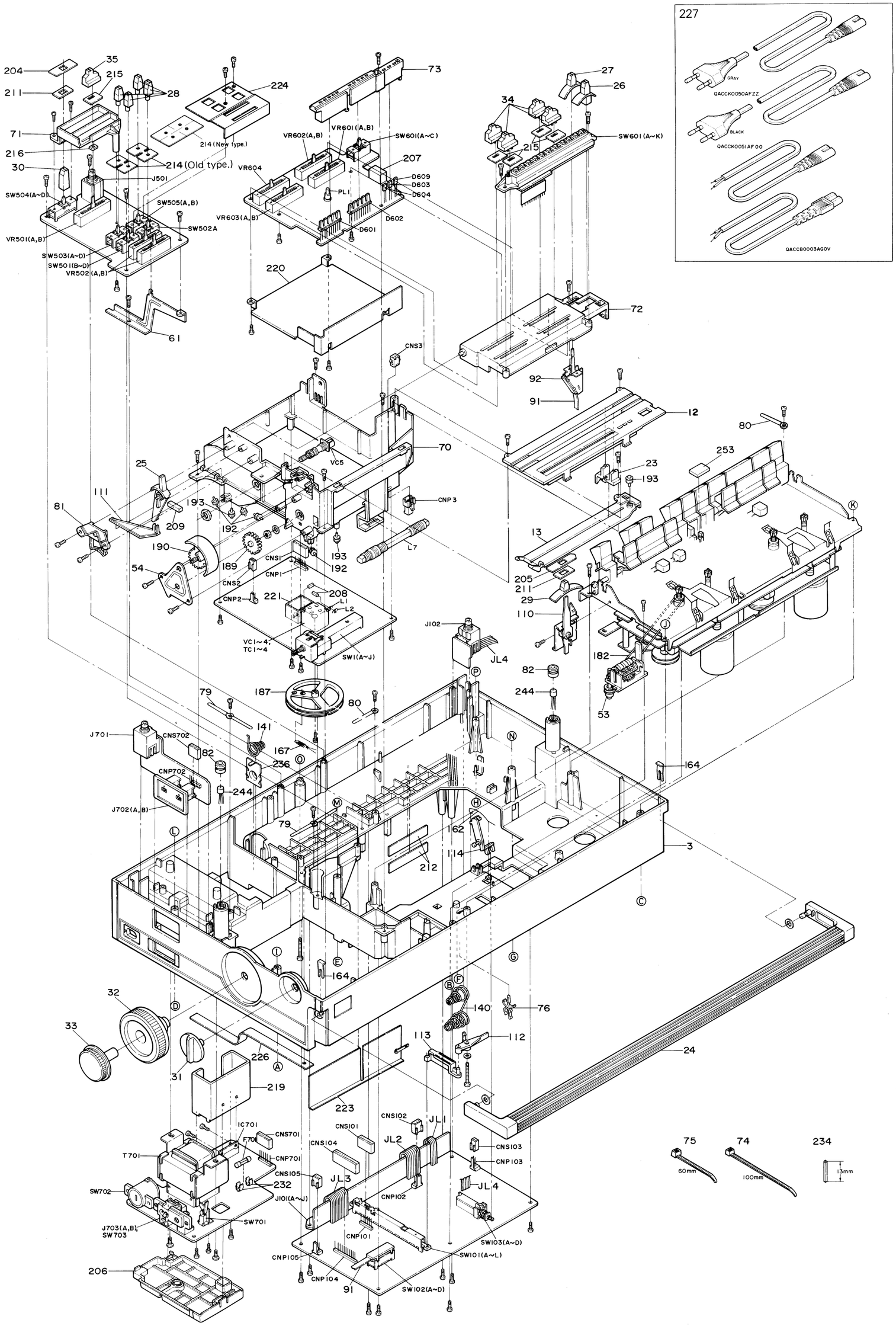

Figure 41 CABINET EXPLODED VIEW (2/2)

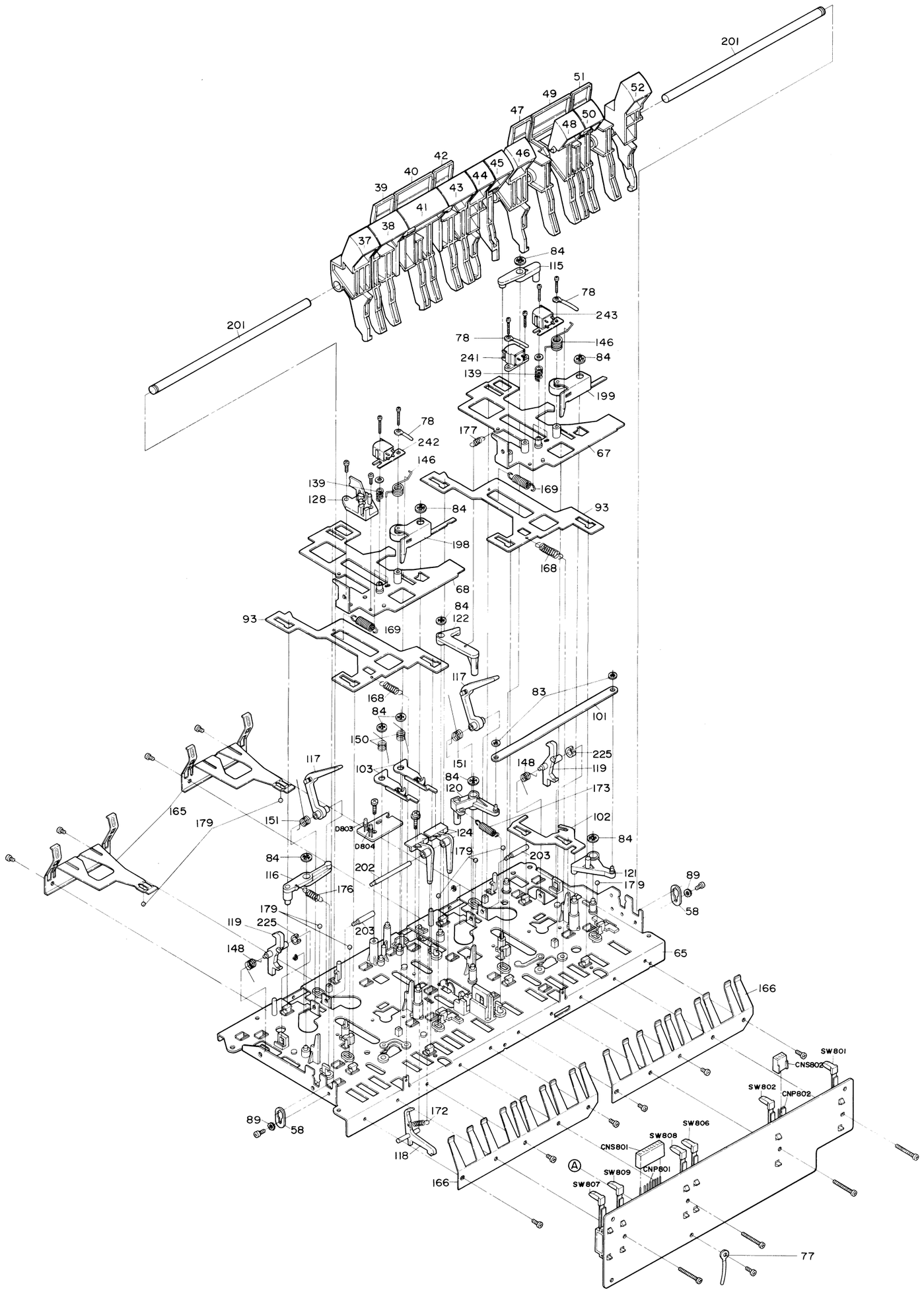

Figure 43 MECHANISM EXPLODED TOP VIEW

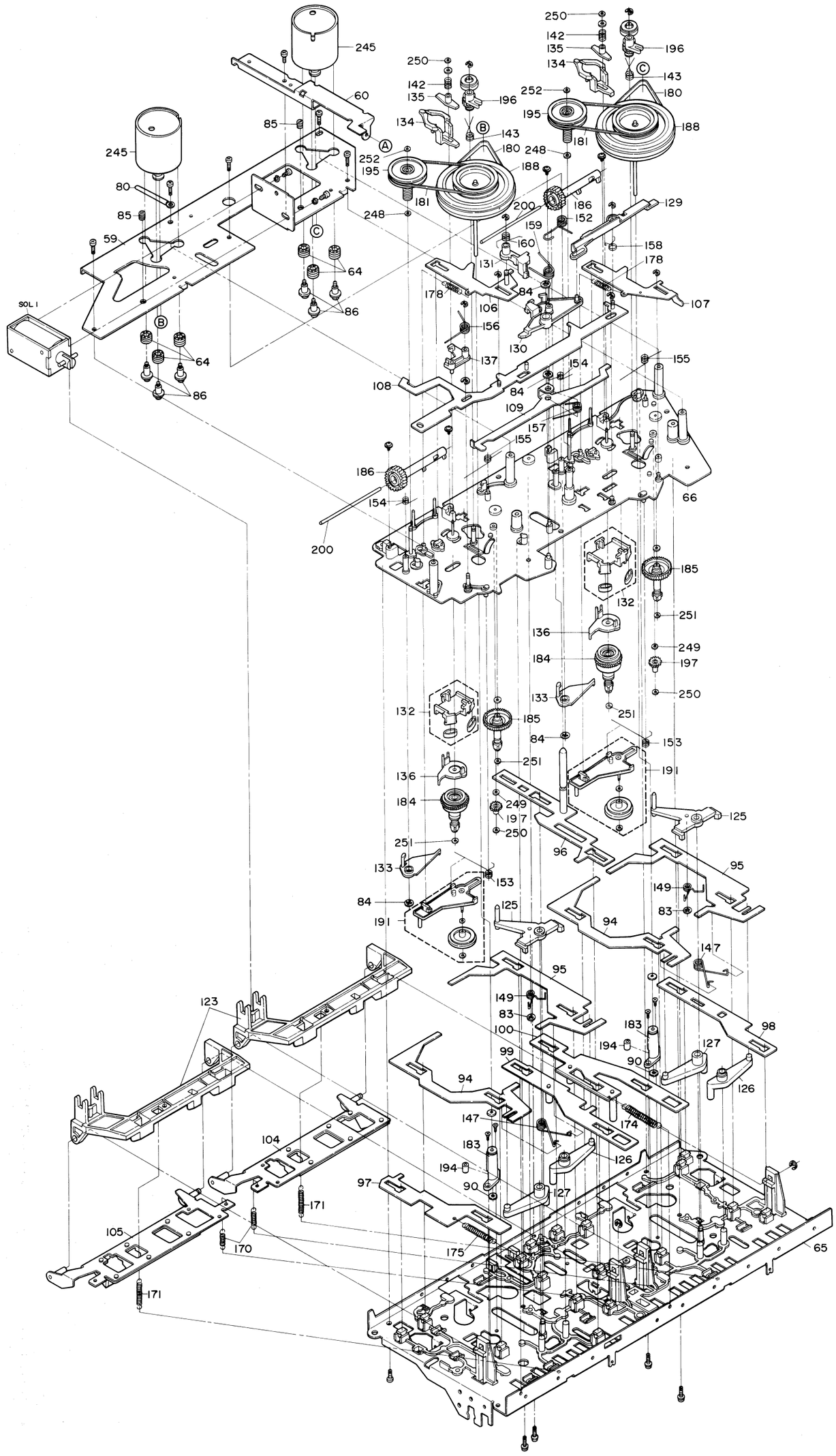

Figure 45 MECHANISM EXPLODED BOTTOM VIEW

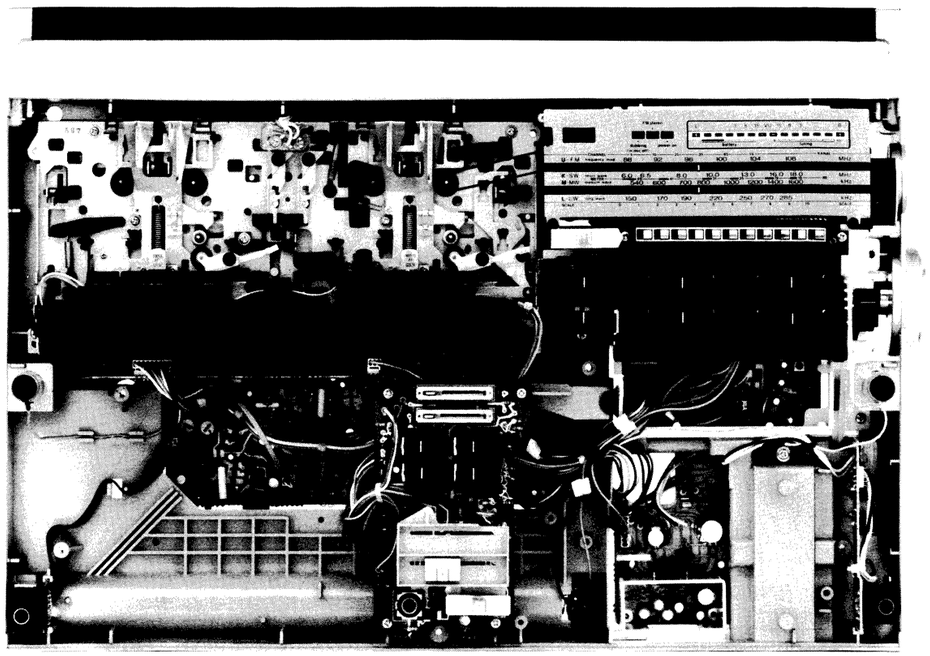

Figure 47–1 LOCATION OF PARTS

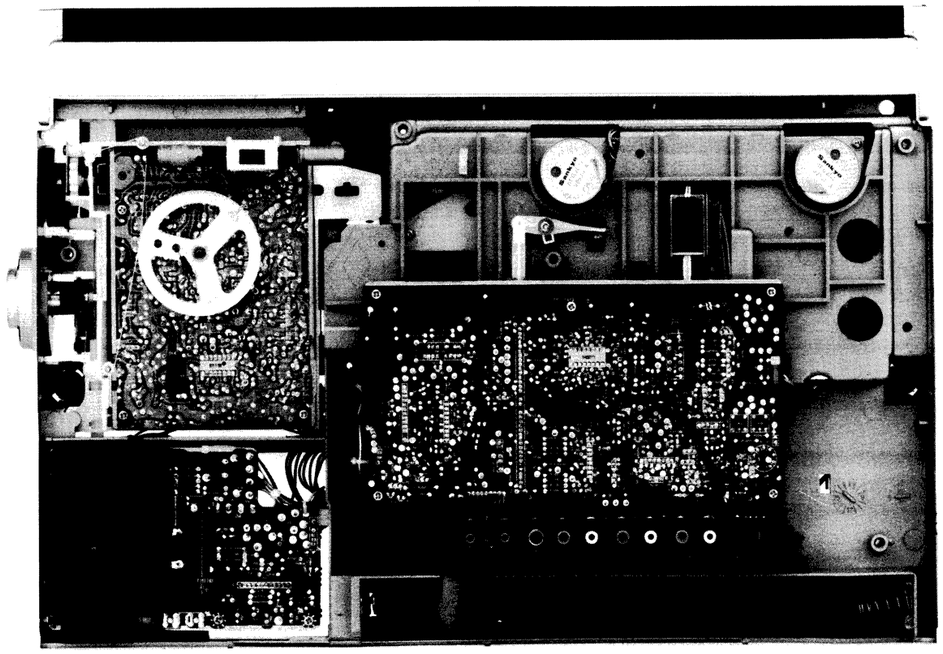

Figure 47–2 LOCATION OF PARTS

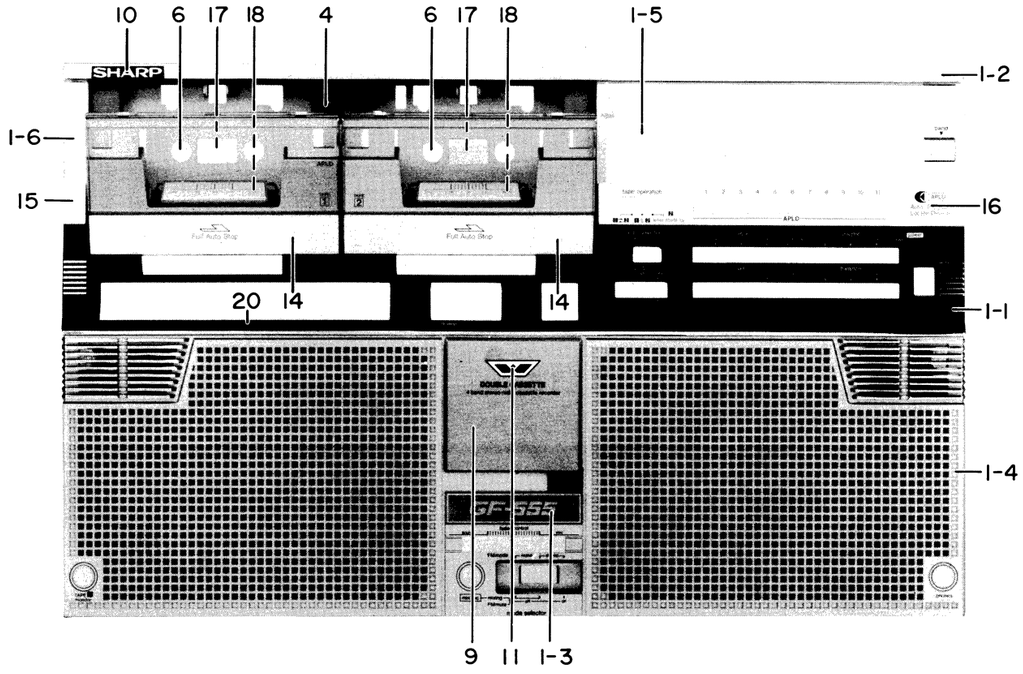

Figure 48–1 LOCATION OF PARTS

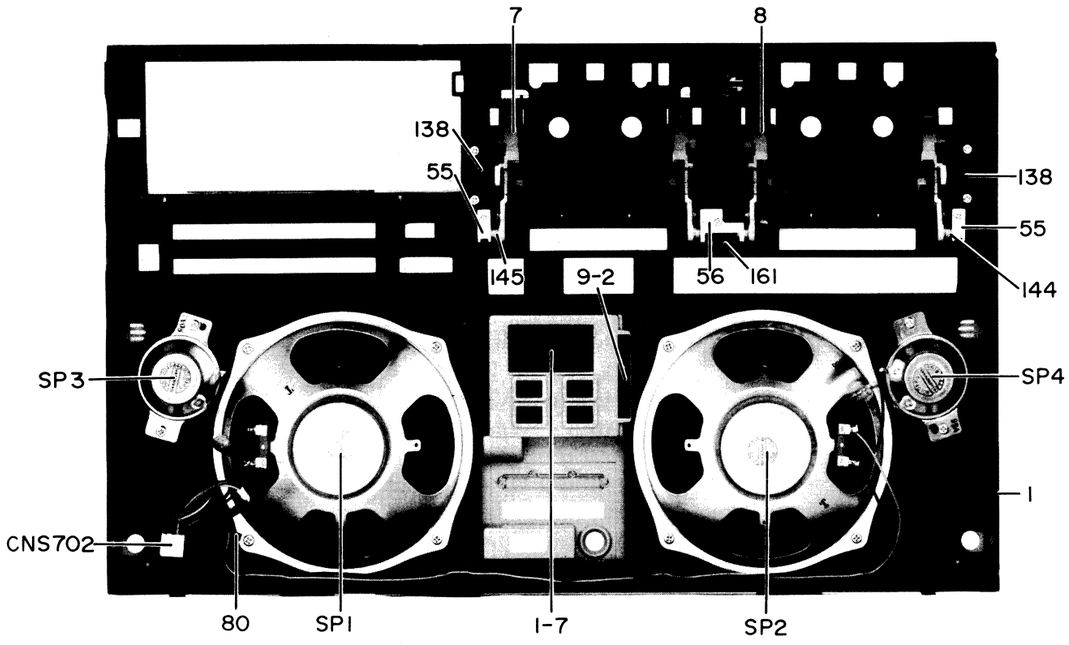

Figure 48–2 LOCATION OF PARTS

REPLACEMENT PARTS LIST

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following information.

1. MODEL NUMBER 2. REF. NO.
3. PART NO. 4. DESCRIPTION

NOTES:
Be sure to use regular parts for securing the safety and reliability of the set. Parts marked with "⚠" and parts cross-hatched (in black) are especially important for maintaining the safety and protecting ability of the set.
Be sure to replace them with parts of specified part number.

REF. NO.	PART NO.	DESCRIPTION	CODE
		INTEGRATED CIRCUITS	
IC1	RH-IX1083AFZZ	FM IF Amp. (TA7303P-C SHARP 3)	AK
IC2	RH-IX1082AFZZ	PLL FM MPX Demodulator (BA1320)	AL
IC101	RH-IX1079AFZZ	Deck 2 Pre-amp. (M51521L)	AG
IC102	RH-IX1079AFZZ	Phono Equalizer Amp. (M51521L)	AG
IC103	RH-IX1079AFZZ	Deck 1 Pre-amp. (M51521L)	AG
IC104	VHIM51301P/-1	Record & Line Amp. (M51301P)	AK
IC105	VHIIR3108//-1	APLD Amp. & Detector (IR3108)	AK
IC601, IC602	VHILB1416//-1	VU Indicator Drive Circuit (LB1416)	AK
IC603	VHIM54834//-1	APLD Circuit (M54834)	AQ
IC701	VHIHA1392//-1	Power Amp. (HA1392)	AR
		TRANSISTORS	
Q1	VS2SC535-B/-1	FM RF Amp. (2SC535B)	AC
Q2	VS2SC535-B/-1	FM Local Oscillator (2SC535B)	AC
Q3	VS2SC535-B/-1	FM Mixer (2SC535B)	AC
Q4	VS2SC460-C/-1	FM IF Amp. (2SC460C)	AC
Q5	VS2SC461-B/-1	AM Mixer (2SC461B)	AC
Q6	VS2SC461-C/-1	AM Local Oscillator (2SC461C)	AC
Q7	VS2SC460-B/-1	AM IF Amp. (2SC460B)	AC
Q8	VS2SC460-C/-1	AM IF Amp. (2SC460C)	AC
Q101, Q102	VS2SC2691//-1	Deck 2 Review & Skip (Cue) Mode Muting (2SC2691)	AB
Q103	VS2SA1143//-1	Built-in Microphone Power Switching (2SA1143)	AB
Q105, Q106, Q107, Q108	VS2SC2691//-1	APLD Muting (2SC2691)	AB
Q109, Q110	VS2SC2691//-1	APLD Muting (2SC2691)	AB
Q111, Q112	VS2SC458-D/-1	Deck 1 Monitor Output Amp. (2SC458D)	AB
Q113, Q114	VS2SC458-C/-1	Deck 1 Monitor Output Amp. (2SC458C)	AB
Q115, Q116	VS2SC458-D/-1	Recording Bias Oscillator (2SC458D)	AB
Q118	VS2SA1143//-1	Solenoid Drive (2SA1143)	AB
Q119	VS2SD468-C/-1	Solenoid Drive (2SD468C)	AD
Q120	VS2SD468-C/-1	Ripple Filter (2SD468C)	AD
Q501	VS2SC458LGD-1	Mixing Microphone Amp. (2SC458LGD)	AC
Q601	VS2SA1143//-1	APLD Phase Inverter (2SA1143)	AB
Q602	VS2SA1143//-1	APLD Power Switching (2SA1143)	AB
Q603	VS2SC2691//-1	APLD Power Switching (2SC2691)	AB
Q607	VS2SC2691//-1	APLD Malfunction Prevention (2SC2691)	AB
Q801	VS2SD468-C/-1	APLD Regulated Power Supply (2SD468C)	AD
		DIODES	
D1, D2, D3	VHD1S2076//-1	Electrostatic Protector (1S2076)	AB
D4	VHC1S2688-B1F	Variable Capacitance, AFC (1S2688B)	AC
D5	VHD1N34A///-1	Level Shift, Tuning Indicator (1N34A)	AB
D6	VHD1S2076//-1	Level Shift, Tuning Indicator (1S2076)	AB
D7	VHD1N34A///-1	AGC (1N34A)	AB
D8	VHEHZ6B2L//-1	Zener, 6V/400mW (HZ6B2L)	AC
D9	VHD1S2076//-1	FM Local Oscillator Limiter (1S2076)	AB
D10	VHD1S2076//-1	Switching (1S2076)	AB
D11	VHD1S2076//-1	Reverse Current Prevention (1S2076)	AB
D12	VHD1N34A///-1	AM Detector, Tuning Indicator (1N34A)	AB
D13	VHD1N34A///-1	AM Detector (1N34A)	AB
D101, D102, D103	VHD1S2076//-1	Built-in Microphone Switching (1S2076)	AB
D105	VHD1S2076//-1	Deck 1 Monitor Output Switching (1S2076)	AB
D106	VHD1S2076//-1	Deck 1 Monitor Amp. Switching (1S2076)	AB
D107, D108	VHD1S2076//-1	ALC (Automatic Record Level Control) Circuit (1S2076)	AB
D111	VHD1S2076//-1	Reverse Voltage Protection (1S2076)	AB
D112	VHD1S2076//-1	Deck 1 Muting (1S2076)	AB
D113	VHD1S2076//-1	Deck 1 Reverse Current Prevention (1S2076)	AB
D114	VHD1S2076//-1	Reverse Voltage Protector (1S2076)	AB
D117	VHD1S2076//-1	Built-in Microphone Switching (1S2076)	AB
D120	VHD1S2076//-1	APLD Malfunction Prevention (1S2076)	AB
D601	RH-PX1015AFZZ	Right Channel VU Indicator/ Tuning Indicator (GL-105M5)	AK
D602	RH-PX1015AFZZ	Left Channel VU Indicator/ Battery Condition Indicator (GL-105M5)	AK
D603	RH-PX1008AFZZ	FM Stereo Indicator (GL-9PR2)	AD

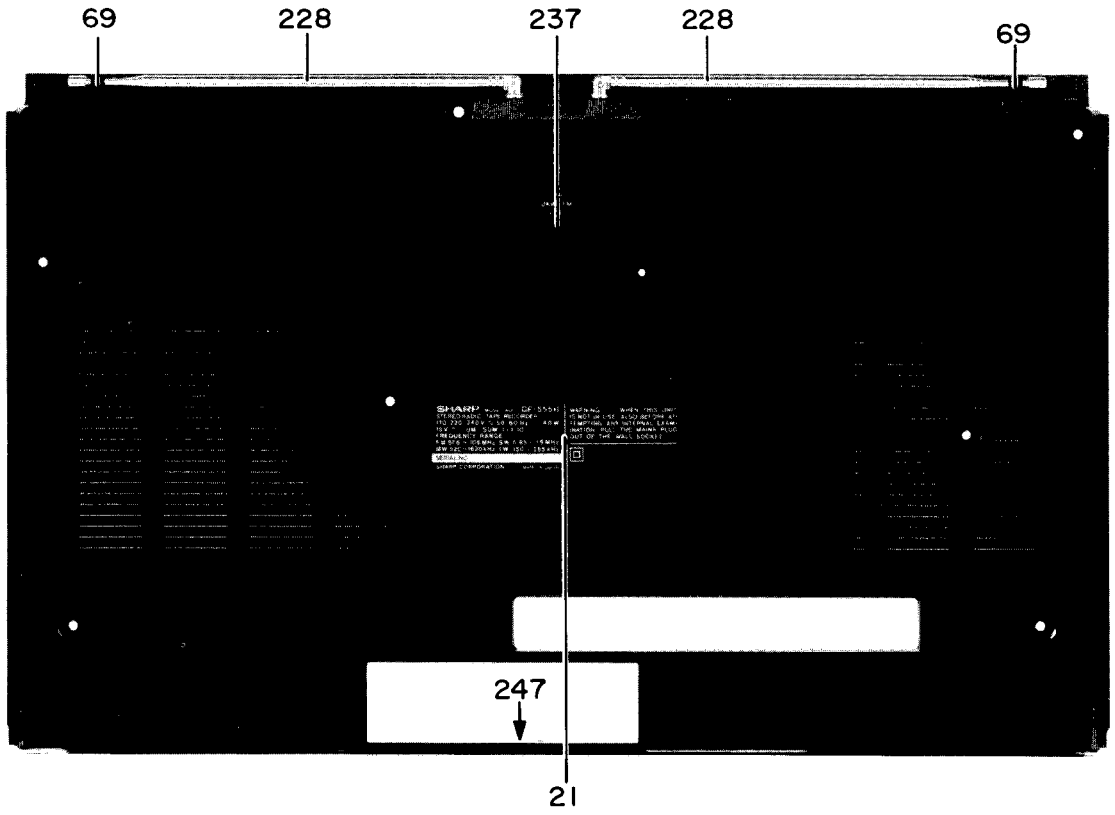

Figure 49–1 LOCATION OF PARTS

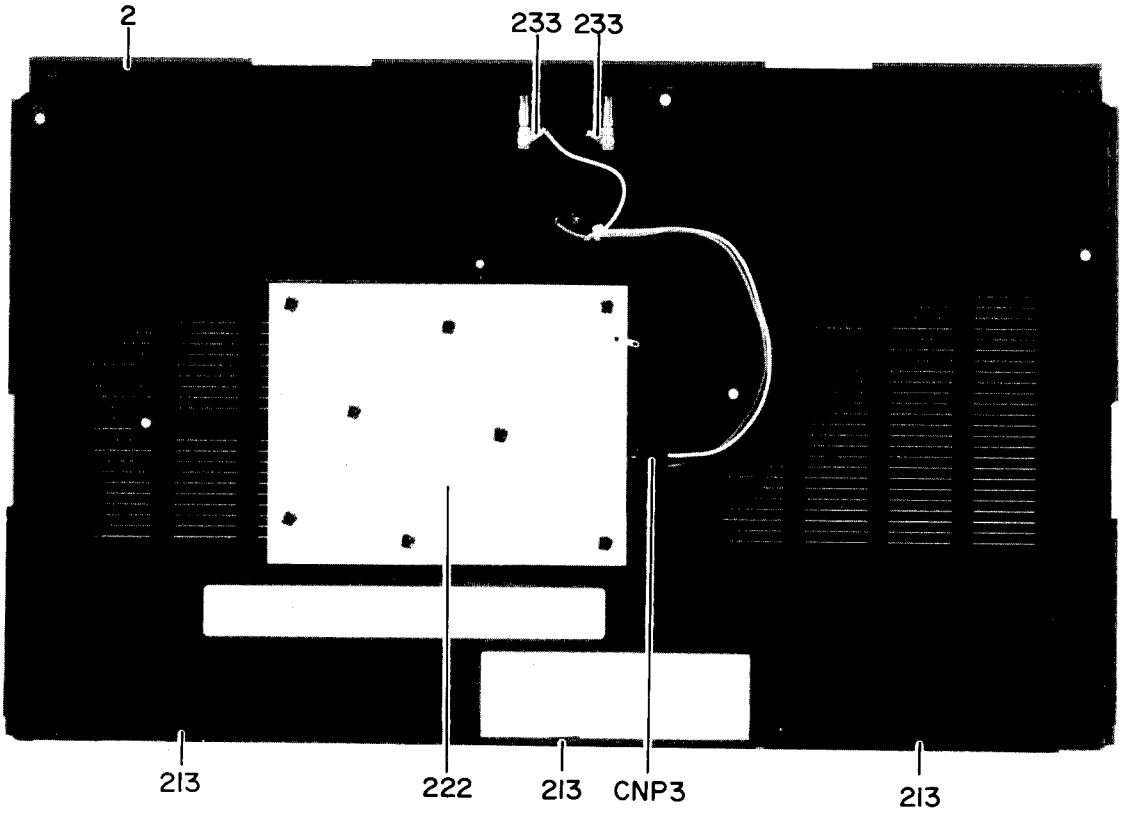

Figure 49–2 LOCATION OF PARTS

PARTS LIST

REF. NO.	PART NO.	DESCRIPTION	CODE
D604	RH-PX1008AFZZ	Power On Indicator (GL-9PR2)	AD
D606	VHD1S2076//-1	APLD Number Indicators Malfunction Prevention (1S2076)	AB
D607	VHEHZ6B2L//-1	Zener, 6V/400mW (HZ6B2L)	AC
D608	VHD1S2076//-1	Reverse Current Prevention (1S2076)	AB
D609	VHPGL-9NG12-1	Dubbing Indicator (GL-9NG12)	AD
D610	VHD1S2076//-1	Reverse Current Prevention (1S2076)	AB
D611	VHD1S2076//-1	Speed-up (1S2076)	AB
D612, D613, D614, D615, D616, D617, D618, D619, D620, D621, D622	Not Available	Parts of APLD Number Input Buttons Assembly (QSW-Z0060AFZZ)	
D701	VHD1S2076//-1	Built-in Microphone Muting (1S2076)	AB
⚠ D702, D703, D704, D705	VHD10E1////-1	Rectifier (10E1)	AC
D803	VHPGL-3PR3/-1	Forward APLD Indicator (GL-3PR3)	AC
D804	VHPGL-3PR3/-1	Reverse (Rewind) APLD Indicator (GL-3PR3)	AC
D805, D806	VHD1S2076//-1	APLD Indicator Reverse Current Prevention (1S2076)	AB
D807	VHEHZ11A-1L-1	Zener, 11V/400mW (HZ11A1L)	AB
D808	VHD10E1////-1	Surge Current Absorber (10E1)	AC
D809	VHD10E1////-1	Reverse Electromotive Force Absorber (10E1)	AC
THYRISTOR			
SCR601	VHSCR02AM1B-1	APLD Power Switching (CR02AM-1B)	AE
FILTERS			
CF1	RFILF0009AFZZ	FM 1st IF	AD
CF2	RFILF0009AFZZ	FM 2nd IF	AD
TRANSFORMERS			
T1	RCILI0157AFZZ	FM IF	AC
T2	RCILI0208AFZZ	FM IF	AC
T3	RCILI0224AFZZ	AM IF (GF-555H)	AH
	RCILI0252AFZZ	AM IF (GF-555E)	AG
T4	RCILI0170AFZZ	AM IF (GF-555H)	AC
	RCILI0253AFZZ	AM IF (GF-555E)	AC
⚠ T701	RTRNP0657AFZZ	Power	AT
COILS			
L1, L2	RCILR0090AFZZ	FM RF	AA
L3, L4	RCILR0118AFZZ	FM Local Oscillator	AA
L5	RCILC0030AFZZ	1.8μH, FM RF Choke	AB
L6	RCILA0255AFZZ	K-SW Antenna	AD
L7	RCILA0436AFZZ	M-MW & L-LW Antenna	AK
L8	RCILB0309AFZZ	K-SW Local Oscillator	AD
L9	RCILB0389AFZZ	M-MW Local Oscillator	AD
L10	RCILB0353AFZZ	L-LW Local Oscillator (GF-555H)	AC
	RCILB0456AFZZ	L-LW Local Oscillator (GF-555E)	AD
L11	RCILF0014AGZZ	47μH, Choke	AC
L201, L202	RCILB0452AFZZ	Recording Bias Step-up	AD
L203	RCILB0451AFZZ	Recording Bias Oscillator	AE
PACKAGED CIRCUITS			
M1	RFILF0056AFZZ	Band-pass Filter	AE
M2, M3	RMPTA0104AFZZ	Low-pass Filter (38kHz Trap)	AD
M601	RMPTC0020AFZZ	Resistors Array, 2.2K ohm x 11	AD
CONTROLS			
R20	RVR-M0130AFZZ	50K ohm (B), FM Muting Level Adjust	AC
R34	RVR-M0127AFZZ	10K ohm (B), VCO (Voltage Controlled Oscillator) Adjust	AC
R601, R602	RVR-M0004SGZZ	10K ohm (B), VU Indicator Sensitivity Adjust	AC
R612	RVR-M0116AFZZ	1K ohm (B), Battery Condition Indicator Sensitivity Adjust	AC
VR501 (A, B)	RVR-Q0070AFZZ	20K ohm (B), Fader	AG
VR502 (A, B)	RVR-Z0064AFZZ	50K ohm (A), Recording Level	AK
VR601 (A, B)	RVR-P0066AFZZ	50K ohm (A), Treble Tone	AG
VR602 (A, B)	RVR-P0066AFZZ	50K ohm (A), Bass Tone	AG
VR603 (A, B)	RVR-Q0069AFZZ	20K ohm (B), Volume	AF
VR604	RVR-Q0071AFZZ	100K ohm (B), Channel Balance	AG
VC1, VC2, VC3, VC4, TC1, TC2, TC3, TC4	RVC-R0057AFZZ	Variable Capacitors, Tuning with Trimmers TC1: FM RF Trimmer TC2: FM Local Oscillator Trimmer TC3: K-SW Antenna Trimmer TC4: M-MW Antenna Trimmer	AN
VC5	RVC-M0002AFZZ	Variable Capacitor, Fine Tuning Control	AH
TC5	RTO-H1007AFZZ	L-LW Antenna Trimmer	AC
TC6	RTO-H1007AFZZ	K-SW Local Oscillator Trimmer	AC
TC7, TC8	RTO-H2050AFZZ	TC7: M-MW Local Oscillator Trimmer TC8: L-LW Local Oscillator Trimmer	AD

PARTS LIST

REF. NO.	PART NO.	DESCRIPTION	CODE
		ELECTROLYTIC CAPACITORS	
C17	RC-EZS476AF1A	47MFD, 10V, ±20%	AB
C32	VCEAAU1HW105A	1MFD, 50V, +75 –10%	AB
C37	RC-EZS476AF1C	47MFD, 16V, ±20%	AB
C42	VCEALU1HW474M	.47MFD, 50V, ±20%	AB
C43	VCEAAU1EW475A	4.7MFD, 25V, +75 –10%	AB
C45	VCEAAU1EW335A	3.3MFD, 25V, +75 –10%	AB
C47	RC-EZS477AF1C	470MFD, 16V, ±20%	AC
C51	VCEALU1HW224M	.22MFD, 50V, ±20%	AB
C52	VCEALU1HW474M	.47MFD, 50V, ±20%	AB
C53	VCEAAU1EW335A	3.3MFD, 25V, +75 –10%	AB
C59, C60	VCEALU1HW334M	.33MFD, 50V, ±20%	AB
C62, C89	RC-EZS107AF1A	100MFD, 10V, ±20%	AB
C91	VCEAAU1EW475A	4.7MFD, 25V, +75 –10%	AB
C95	RC-EZS107AF1A	100MFD, 10V, ±20%	AB
C97, C101, C102	VCEALU1HW334M	.33MFD, 50V, ±20%	AB
C104	VCEAAU1CW106Y	10MFD, 16V, +50 –10%	AB
C105, C106	VCAAAU1AB475M	4.7MFD, 10V, ±20%, Aluminum	AC
C109, C110	VCEAAU1AW476Y	47MFD, 10V, +50 –10%	AB
C115, C116	VCEAAU1CW106Y	10MFD, 16V, +50 –10%	AB
C117	VCEAAU1HW105A	1MFD, 50V, +75 –10%	AB
C118	RC-EZS107AF1C	100MFD, 16V, ±20%	AB
C119, C120	VCEAAU1EW475A	4.7MFD, 25V, +75 –10%	AB
C123, C124	VCEAAU1AW476Y	47MFD, 10V, +50 –10%	AB
C129, C130	VCEAAU1CW106Y	10MFD, 16V, +50 –10%	AB
C131	RC-EZS107AF1C	100MFD, 16V, ±20%	AB
C133, C134	VCAAAU1AB475M	4.7MFD, 10V, ±20%, Aluminum	AC
C137, C138	RC-EZS107AF1A	100MFD, 10V, ±20%	AB
C141, C142	VCEAAU1CW106Y	10MFD, 16V, +50 –10%	AB
C143, C144	VCEAAU1EW475A	4.7MFD, 25V, +75 –10%	AB
C149, C150	VCEAAU1CW106Y	10MFD, 16V, +50 –10%	AB
C151	VCEAAU1CW476Y	47MFD, 16V, +50 –10%	AB
C161, C162	VCEAAU1AW336Y	33MFD. 10V, +50 –10%	AB
C165, C166, C171, C172	VCEAAU1CW106Y	10MFD, 16V, +50 –10%	AB
C175, C176	VCEAAU1HW105A	1MFD, 50V, +75 –10%	AB
C177	VCEAAU1CW476Y	47MFD, 16V, +50 –10%	AB
C178, C184	RC-EZS107AF1C	100MFD, 16V, ±20%	AB
C189	VCEAAU1AW336Y	33MFD, 10V, +50 –10%	AB
C191	VCEAAU1CW106Y	10MFD, 16V, +50 –10%	AB
C192	VCEALU1CW106M	10MFD, 16V, ±20%	AB
C195	VCEAAU1AW476Y	47MFD, 10V, +50 –10%	AB
C198	RC-EZS108AF1C	1000MFD, 16V, ±20%	AD
C199	RC-EZS107AF1C	100MFD, 16V, ±20%	AB
C201	VCEAAU1CW106Y	10MFD, 16V, +50 –10%	AB
C202	RC-EZS107AF1E	100MFD, 25V, ±20%	AC
C204, C205	VCEALU1HW334M	.33MFD, 50V, ±20%	AB
C209	RC-EZS476AF1E	47MFD, 25V, ±20%	AB
C210	VCEAAU1CW106Y	10MFD, 16V, +50 –10%	AB
C218, C219, C502	VCEALU1HW104M	.1MFD, 50V, ±20%	AB
C503	VCEAAU1AW476Y	47MFD, 10V, +50 –10%	AB
C505, C520, C522	VCEAAU1CW106Y	10MFD, 16V, +50 –10%	AB
C603, C604	VCEAAU1EW475A	4.7MFD, 25V, +75 –10%	AB
C605, C606	VCEAAU1CW106Y	10MFD, 16V, +50 –10%	AB
C607	RC-EZS227AF1C	220MFD, 16V, ±20%	AC
C616, C617	VCEALU1HW104M	.1MFD, 50V, ±20%	AB
C624	VCEAAU1CW106Y	10MFD, 16V, +50 –10%	AB
C627	VCEALU1HW104M	.1MFD, 50V, ±20%	AB
C631	VCEALU1HW474M	.47MFD, 50V, ±20%	AB
C632	VCEAAU1HW105A	1MFD, 50V, +75 –10%	AB
C701, C702	VCEAAU1AW107Y	100MFD, 10V, +50 –10%	AB
C703, C704	RC-EZS107AF1C	100MFD, 16V, ±20%	AB
C705	VCEAAU1AW107Y	100MFD, 10V, +50 –10%	AB
C709, C710	RC-EZS108AF1C	1000MFD, 16V, ±20%	AD
C720	RC-EZS338AF1E	3300MFD, 25V, ±20%	AH
C721	RC-EZS107AF1A	100MFD, 10V, ±20%	AB
C801	VCEAAU1CW106Y	10MFD, 16V, +50 –10%	AB
C803, C804	RC-EZS476AF1E	47MFD, 25V, ±20%	AB
C805	RC-EZS476AF1C	47MFD, 16V, ±20%	AB
C901, C902	VCE9AU1EW475M	4.7MFD, 25V, ±20%, Non-polar	AC
		CAPACITORS	
C1	VCCSPU1HL100F	10PF, 50V, ±1PF, Ceramic	
C2	VCKYPU1HB222M	.0022MFD, 50V, ±20%, Ceramic	
C3	VCKYPU1HB102K	.001MFD, 50V, ±10%, Ceramic	
C4	VCCSPU1HL3R0C	3PF, 50V, ±.25PF, Ceramic	
C5	VCCSPU1HL220J	22PF, 50V, ±5%, Ceramic	
C6	VCKYPU1HB222M	.0022MFD, 50V, ±20%, Ceramic	
C7	VCKYPU1HB472M	.0047MFD, 50V, ±20%, Ceramic	
C8	VCCSAT1HL4R7C	4.7PF, 50V, ±.25PF, Ceramic	
C9	VCCCPU1HH1R5C	1.5PF (CH), 50V, ±.25PF, Ceramic	
C10	VCCSPU1HL101J	100PF, 50V, ±5%, Ceramic	
C11	VCCSPU1HL3R0C	3PF, 50V, ±.25PF, Ceramic	
C12	VCKYPU1HB472M	.0047MFD, 50V, ±20%, Ceramic	
C13	VCCSAT1HL100J	10PF, 50V, ±5%, Ceramic	
C14	VCTYAT1EX103N	.01MFD, 25V, ±30%, Semiconductor	

PARTS LIST

REF. NO.	PART NO.	DESCRIPTION	CODE
C15	VCCSATIHL6R8D	6.8PF, 50V, ±.5PF, Ceramic	
C16	VCKYPU1HB222M	.0022MFD, 50V, ±20%, Ceramic	
C18	VCCCPU1HH150J	15PF (CH), 50V, ±5%, Ceramic	
C19	VCCCPU1HH180J	18PF (CH), 50V, ±5%, Ceramic	
C20	VCCCPU1HH8R0D	8PF (CH), 50V, ±.5PF, Ceramic	
C21	VCCCPU1HH1R0C	1PF (CH), 50V, ±.25PF, Ceramic	
C22	VCTYAT1EX103N	.01MFD, 25V, ±30%, Semi-conductor	
C23	VCKYPU1HB223M	.022MFD, 50V, ±20%, Ceramic	
C24	VCTYAT1CY223N	.022MFD, 16V, ±30%, Semi-conductor	
C25	VCCSPU1HL8R0D	8PF, 50V, ±.5PF, Ceramic	
C26, C27	VCKZPU1HF103Z	.01MFD, 50V, +80 –20%, Ceramic	
C28, C29	VCKYPU1HB223M	.022MFD, 50V, ±20%, Ceramic	
C30	VCKZPU1HF103Z	.01MFD, 50V, +80 –20%, Ceramic	
C31	VCKZPU1HF223Z	.022MFD, 50V, +80 –20%, Ceramic	
C33	VCCCPU1HH100F	10PF (CH), 50V, ±1PF, Ceramic	
C34	VCKZPU1HF103Z	.01MFD, 50V, +80 –20%, Ceramic	
C35	VCQYKU1HM223M	.022MFD, 50V, ±20%, Mylar	AB
C36	VCKZPU1HF223Z	.022MFD, 50V, +80 –20%, Ceramic	
C38	VCKYPU1HB223M	.022MFD, 50V, ±20%, Ceramic	
C40	VCCSPU1HL471J	470PF, 50V, ±5%, Ceramic	
C41	VCTYAT1EX103N	.01MFD, 25V, ±30%, Semi-conductor	
C44	VCQYKU1HM103M	.01MFD, 50V, ±20%, Mylar	AB
C46, C48	VCTYAT1CY223N	.022MFD, 16V, ±30%, Semi-conductor	
C49	VCQYKU1HM223M	.022MFD, 50V, ±20%, Mylar	AB
C50	VCQYKU1HM473M	.047MFD, 50V, ±20%, Mylar	AB
C54	VCQSMU1HS471J	470PF, 50V, ±5%, Polystyrene Film	AB
C55, C56	VCKYAT1HB681K	680PF, 50V, ±10%, Ceramic	
C63	VCKZPU1HF223Z	.022MFD, 50V, +80 –20%, Ceramic	
C64	VCQYKU1HM333M	.033MFD, 50V, ±20%, Mylar	AB
C65	VCCCPU1HH5R0C	5PF (CH), 50V, ±.25PF, Ceramic	
C66	VCTYAT1EX332N	.0033MFD, 25V, ±30%, Semi-conductor	
C67	VCCSPU1HL271J	270PF, 50V, ±5%, Ceramic	
C68	VCCSPU1HL221J	220PF, 50V, ±5%, Ceramic	
C69	VCCCAT1HH2R2C	2.2PF (CH), 50V, ±.25PF, Ceramic	
C70	VCCCPU1HH5R0C	5PF (CH), 50V, ±.25PF, Ceramic	
C71	VCQSMT1HS151J	150PF, 50V, ±5%, Polystyrene Film	AB
C72	VCCCPU1HH220J	22PF (CH), 50V, ±5%, Ceramic	
C73	VCTYAT1CY223N	.022MFD, 16V, ±30%, Semi-conductor	
C74	VCQYKU1HM152K	.0015MFD, 50V, ±10%, Mylar	AA
C75	VCQYKU1HM223M	.022MFD, 50V, ±20%, Mylar	AB
C76	VCQYKU1HM473M	.047MFD, 50V, ±20%, Mylar	AB
C77	VCKZPU1HF223Z	.022MFD, 50V, +80 –20%, Ceramic	
C78	VCTYAT1CY223N	.022MFD, 16V, ±30%, Semi-conductor	
C79	VCKYAT1HB331K	330PF, 50V, ±10%, Ceramic	
C80	VCKZPU1HF103Z	.01MFD, 50V, +80 –20%, Ceramic	
C81, C82, C83	VCTYAT1CY223N	.022MFD, 16V, ±30%, Semi-conductor	
C84	VCTYAT1EX103N	.01MFD, 16V, ±30%, Semi-conductor	
C85	VCKZPU1HF223Z	.022MFD, 50V, +80 –20%, Ceramic	
C86	VCQYKU1HM333M	.033MFD, 50V, ±20%, Mylar	AB
C87	VCKZPU1HF223Z	.022MFD, 50V, +80 –20%, Ceramic	
C88, C90	VCTYAT1CY223N	.022MFD, 16V, ±30%, Semi-conductor	
C92	VCKZPU1HF223Z	.022MFD, 50V, +80 –20%, Ceramic	
C93	VCQYKU1HM223M	.022MFD, 50V, ±20%, Mylar	AB
C94	VCKZPU1HF103Z	.01MFD, 50V, +80 –20%, Ceramic	
C96	VCQYKU1HM103M	.01MFD, 50V, ±20%, Mylar	AB
C98	VCCSPU1HL470J	47PF, 50V, ±5%, Ceramic	
C99	VCKZPU1HF223Z	.022MFD, 50V, +80 –20%, Ceramic	
C107, C108	VCKYAT1HB681K	680PF, 50V, ±10%, Ceramic	
C111, C112	VCQYKU1HM333K	.033MFD, 50V, ±10%, Mylar	AB
C113, C114	VCKYAT1HB102K	.001MFD, 50V, ±10%, Ceramic	
C121, C122	VCKYAT1HB221K	220PF, 50V, ±10%, Ceramic	
C125, C126	VCQYKU1HM273K	.027MFD, 50V, ±10%, Mylar	AB
C127, C128	VCTYAT1EX822K	.0082MFD, 25V, ±10%, Semi-conductor	
C135	VCCSPU1HL681J	680PF, 50V, ±5%, Ceramic	
C136	VCKYAT1HB681K	680PF, 50V, ±10%, Ceramic	
C139, C140	VCQYKU1HM333K	.033MFD, 50V, ±10%, Mylar	AB
C145, C146	VCKYAT1HB102K	.001MFD, 50V, ±10%, Ceramic	
C147, C148	VCKYAT1HB271K	270PF, 50V, ±10%, Ceramic	
C155, C156	VCTYAT1HV472K	.0047MFD, 50V, ±10%, Semi-conductor	
C159, C160	VCKYAT1HB561K	560PF, 50V, ±10%, Ceramic	
C163, C164	VCCSAT1HL101J	100PF, 50V, ±5%, Ceramic	
C167, C168	VCKYAT1HB471K	470PF, 50V, ±10%, Ceramic	
C169, C170	VCCSPU1HL470J	47PF, 50V, ±5%, Ceramic	
C173, C174	VCTYAT1EX103N	.01MFD, 25V, ±30%, Semi-conductor	
C185	VCQYKU1HM153K	.015MFD, 50V, ±10%, Mylar	AA
C187	VCQYKU1HM223K	.022MFD, 50V, ±10%, Mylar	AB
C190	VCKYPU1HB561K	560PF, 50V, ±10%, Ceramic	
C193	VCKZPU1HF333P	.033MFD, 50V, +100 –0%, Ceramic	
C194	VCCSAT1HL180J	18PF, 50V, ±5%, Ceramic	
C197, C200	VCTYAT1EX103N	.01MFD, 25V, ±30%, Semi-conductor	
C208	VCCSAT1HL101J	100PF, 50V, ±5%, Ceramic	

PARTS LIST

REF. NO.	PART NO.	DESCRIPTION	CODE
C211, C212	VCKZPU1HF103Z	.01MFD, 50V, +80 –20%, Ceramic	
C216, C217	VCCSPU1HL221J	220PF, 50V, ±5%, Ceramic	
C220	VCQYKU1HM103K	.01MFD, 50V, ±10%, Mylar	AA
C221, C222	VCCSPU1HL221J	220PF, 50V, ±5%, Ceramic	
C501	VCTYAT1EX103N	.01MFD, 25V, ±30%, Semiconductor	
C504	VCKYAT1HB271K	270PF, 50V, ±10%, Ceramic	
C515, C516	VCKYAT1HB122K	.0012MFD, 50V, ±10%, Ceramic	
C517, C518	VCKYAT1HB102K	.001MFD, 50V, ±10%, Ceramic	
C521, C523	VCQYKU1HM223M	.022MFD, 50V, ±20%, Mylar	AB
C601, C602	VCTYAT1EX682N	.0068MFD, 25V, ±30%, Semiconductor	
C610, C611	VCTYAT1HV222K	.0022MFD, 50V, ±10%, Semiconductor	
C612, C613	VCQYKU1HM223K	.022MFD, 50V, ±10%, Mylar	AB
C614, C615	VCQYKU1HM103K	.01MFD, 50V, ±10%, Mylar	AA
C618, C619	VCQYKU1HM563K	.056MFD, 50V, ±10%, Mylar	AB
C620, C621	VCTYAT1HV472K	.0047MFD, 50V, ±10%, Semiconductor	
C622, C623	VCQYKU1HM223K	.022MFD, 50V, ±10%, Mylar	AB
C628, C629	VCTYAT1EX103N	.01MFD, 25V, ±30%, Semiconductor	
C630	VCKYAT1HD102M	.001MFD, 50V, ±20%, Ceramic	
C633	VCTYAT1EX103N	.01MFD, 25V, ±30%, Semiconductor	
C635	VCKZPU1HF223Z	.022MFD, 50V, +80 –20%, Ceramic	
C636	VCKZPU1HF102Z	.001MFD, 50V, +80 –20%, Ceramic	
C707	VCTYPU1EX104M	.1MFD, 25V, ±20% Semiconductor	
C713, C714	VCKYAT1HD102M	.001MFD, 50V, ±20%, Ceramic	
C716, C717, C718, C719	VCKZPU1HF104Z	.1MFD, 50V, +80 –20%, Ceramic	
C725, C726	VCTYPU1EX104M	.1MFD, 25V, ±20%, Semiconductor	
C802, C806	VCTYAT1EX103N	.01MFD, 25V, ±30%, Semiconductor	

RESISTORS

(Unless otherwise specified resistors are 1/4W, ±5%, Carbon Type.)

R1	VRD-ST2EE102J	1K ohm	
R3	VRD-ST2EE471J	470 ohm	
R5	VRD-ST2EE152J	1.5K ohm	
R6	VRD-SU2EE473J	47K ohm	
R7	VRD-SU2EE151J	150 ohm	
R8	VRD-ST2EE104J	100K ohm	
R12	VRD-SU2EE471J	470 ohm	
R15	VRD-ST2EE102J	1K ohm	
R17	VRD-ST2EE221J	220 ohm	
R18	VRD-SU2EE102J	1K ohm	
R19	VRD-ST2EE103J	10K ohm	
R21	VRD-ST2EE221J	220 ohm	
R22	VRD-ST2EE101J	100 ohm	
R26	VRD-ST2EE471J	470 ohm	
R28	VRD-ST2EE331J	330 ohm	
R32	VRD-ST2EE471J	470 ohm	
R33	VRD-ST2EE183J	18K ohm	
R43	VRD-ST2EE681J	680 ohm	
R51	VRD-SU2EE101J	100 ohm	
R52	VRD-ST2EE182J	1.8K ohm	
R53	VRD-SU2EE4R7J	4.7 ohm	
R56, R57	VRD-SU2EE100J	10 ohm	
R58	VRD-SU2EE121J	120 ohm	
R59	VRD-ST2EE100J	10 ohm	
R60	VRD-SU2EE471J	470 ohm	
R61	VRD-SU2EE394J	390K ohm	
R62	VRD-ST2EE102J	1K ohm	
R64	VRD-ST2EE121J	120 ohm	
R67	VRD-ST2EE103J	10K ohm	
R70, R71	VRD-ST2EE152J	1.5K ohm	
R76	VRD-ST2EE471J	470 ohm	
R81	VRD-ST2EE152J	1.5K ohm	
R83	VRD-ST2EE221J	220 ohm	
R84	VRD-ST2EE105J	1M ohm	
R100, R101	VRD-ST2EE101J	100 ohm	
R111	VRD-ST2EE681J	680 ohm	
R112	VRD-ST2EE334J	330K ohm	
R115, R116	VRD-ST2EE680J	68 ohm	
R119, R120	VRD-ST2EE682J	6.8K ohm	
R135, R136	VRD-ST2EE273J	27K ohm	
R137, R138	VRD-ST2EE151J	150 ohm	
R139, R140	VRD-ST2EE823J	82K ohm	
R141, R142	VRD-ST2EE103J	10K ohm	
R147, R148	VRD-ST2EE561J	560 ohm	
R151, R152	VRD-ST2EE560J	56 ohm	
R175, R176	VRD-ST2EE564J	560K ohm	
R179, R180	VRD-ST2EE560J	56 ohm	
R183, R184	VRD-ST2EE471J	470 ohm	
R188	VRD-ST2EE221J	220 ohm	
R190	VRD-ST2EE332J	3.3K ohm	
R213, R214	VRD-ST2EE222J	2.2K ohm	
R215, R216	VRD-ST2EE102J	1K ohm	
R224	VRS-PT3AB820K	82 ohm, 1W, ±10%, Metal Oxide Film	
R225, R226	VRD-ST2EE392J	3.9K ohm	
R227	VRD-ST2EE1R0J	1 ohm	
R229	VRD-ST2EE270J	27 ohm	

PARTS LIST

REF. NO.	PART NO.	DESCRIPTION	CODE
R231	VRD-ST2EE822J	8.2K ohm	
R232	VRD-ST2EE273J	27K ohm	
R233	VRD-ST2EE271J	270 ohm	
R235	VRD-ST2EE103J	10K ohm	
R237	VRD-ST2EE331J	330 ohm	
R240	VRD-ST2EE274J	270K ohm	
R242	VRD-ST2EE270J	27 ohm	
R243, R244	VRD-ST2EE561J	560 ohm	
R245	VRS-PT3AB680K	68 ohm, 1W, ±10%, Metal Oxide Film	
R246, R260	VRD-ST2EE102J	1K ohm	
R261	VRD-ST2EE562J	5.6K ohm	
R262	VRD-ST2EE101J	100 ohm	
R539, R540, R541, R542	VRD-ST2EE332J	3.3K ohm	
R605, R606	VRD-ST2EE823J	82K ohm	
R607, R608	VRD-ST2EE153J	15K ohm	
R609, R610	VRD-ST2EE103J	10K ohm	
R611	VRD-ST2EE223J	22K ohm	
R613, R614, R615, R616	VRD-ST2EE121J	120 ohm	
R618	VRD-ST2EE272J	2.7K ohm	
R621	VRD-ST2EE122J	1.2K ohm	
R622	VRD-ST2EE102J	1K ohm	
R623	VRD-ST2EE222J	2.2K ohm	
R625	VRD-ST2EE223J	22K ohm	
R629	VRD-ST2EE102J	1K ohm	
R631	VRD-ST2EE332J	3.3K ohm	
R633	VRD-ST2EE101J	100 ohm	
R634	VRD-ST2EE102J	1K ohm	
R635	VRD-ST2EE473J	47K ohm	
R636	VRD-ST2EE681J	680 ohm	
R638	VRD-ST2EE222J	2.2K ohm	
R639	VRD-ST2EE103J	10K ohm	
R640	VRD-ST2EE102J	1K ohm	
R641	VRD-ST2EE562J	5.6K ohm	
R642	VRD-ST2EE561J	560 ohm	
R643, R644	VRD-ST2EE123J	12K ohm	
R645, R646	VRD-ST2EE272J	2.7K ohm	
R647, R648	VRD-ST2EE472J	4.7K ohm	
R649, R650	VRD-ST2EE152J	1.5K ohm	
R651, R652	VRD-ST2EE392J	3.9K ohm	
R655	VRD-ST2EE222J	2.2K ohm	
⚠ R663	RR-XZ1027AFZZ	2.2 ohm, 200mA	AE
R701, R702	VRD-ST2EE333J	33K ohm	
R704, R705	VRD-ST2EE221J	220 ohm	
R708	VRD-SU2EE271J	270 ohm	
⚠ R709	VRG-ST2HA100J	10 ohm, 1/2W, ±5%, Fusible	AB
R801	VRD-ST2EE473J	47K ohm	
R802, R803	VRD-ST2EE681J	680 ohm	
R804	VRD-ST2EE223J	22K ohm	
R805	VRD-ST2EE102J	1K ohm	
R901, R902	VRD-ST2EY4R7J	4.7 ohm	

MISCELLANEOUS

	PART NO.	DESCRIPTION	CODE
1	GCAB-1038AFSA	Front Cabinet Assembly	BE
1-1	GCABA1522AFSA	Cabinet, Front	
1-2	GWAKP9021AFSA	Frame, Cabinet, Upper	AG
1-3	HDECQ0115AFSA	Decoration, Front Cabinet, GF-555	AD
1-4	HGRL-1060AFSA	Grill, Front Cabinet, Speakers	AR
1-5	HPNLD1180AFSA	Window, Dial	AG
1-6	HPNLZ1052AFSA	Plate, Transparent, Front Cabinet	AA
1-7	PFLT-0376AF00	Felt, Recording Level Controls	AA
● 1-8	PFLT-0378AF09	Felt, Speakers Grill	AB
2	GCABB1503AFSA	Cabinet, Rear	AU
3	GCABC1522AFSA	Cabinet, Middle	AY
4	GCOVA1137AFSA	Cover, Indicator of APLD Direction	AB
5	GFTAB1113AFSA	Lid, Battery Compartment	AD
6	GFTAC1100AFSAN	Plate, Transparent, Cassette Compartment	AF
7	GFTAC1102AFSB	Cassette Compartment, Deck 2	AM
8	GFTAC1118AFSA	Cassette Compartment, Deck 1	AL
9	GFTAF9052AFSA	Lid, Recording Level Controls	AH
9-1	GFTAF1008AFSA	Lid	AH
● 9-2	MHNG-0116AFZZ	Hinge	AB
10	HBDGB3055AFSA	Badge, SHARP	AC
11	HBDGS3055AFSA	Badge, Recording Level Controls Lid	AF
12	HDALP0433AFSA	Plate, Dial	AL
13	HDAP-0180AFSA	Guide, Pointer	AE
14	HDECA0320AFSA	Decoration, Cassette Compartment, Full Auto Stop	AD
15	HDECA0321AFSA	Decoration, Front Cabinet, Left Side	AB
16	HDECA0381AFSA	Indication Metal, APLD Number	AE
17	HDECB0018AGSA	Mirror, Cassette Compartment	AA
18	HINDM1313AFSA	Scale, Cassette Compartment	AB
19	HINDM1363AFSA	Indication Metal, Review/ ◀◀ rew/■ stop/f.fwd ▶▶/cue	AB
20	HINDM1364AFSA	Indication Metal, Function Key	AD
21	HINDP0180AFSA	Label, Specifications, with Indication: MADE IN JAPAN (GF-555H)	AC
	HINDP0193AFSA	Label, Specifications, without Indication: MADE IN JAPAN (GF-555H)	AC
	HINDP0183AFSA	Label, Specifications (GF-555E)	AC
22	HINDP0198AFSA	Indication Label, Recording Level Controls	AC
23	HSSND0259AFSA	Pointer	AF
24	JHNDG1064AFSA	Handle	AS
25	JKNBM0305AFSA	Knob, Power Switch	AD
26	JKNBM0306AFSA	Knob, Meter Indication Selector	AC
27	JKNBM0307AFSA	Knob, Function Selector	AC
28	JKNBM0308AFSA	Knob, Dubbing Switch/Deck 1 Tape Selector/Deck 2 Tape Selector/Recording Mode Selector	AC

PARTS LIST

REF. NO.	PART NO.	DESCRIPTION	CODE
29	JKNBM0309AFSA	Knob, Tape Operation Mode Selector	AE
30	JKNBM0310AFSA	Knob, FM Mode Selection/ Mixing On-Off/FM Muting On-Off	AD
31	JKNBN0411AFSA	Knob, Wave-band Selector	AE
32	JKNBN0446AFSA	Knob, Tuning Control	AE
33	JKNBN0447AFSA	Knob, Fine Tuning Control	AH
34	JKNBP0092AFSA	Knob, Bass Tone Control/ Treble Tone Control/Channel Balance Control/Volume Control	AC
35	JKNBP0092AFSB	Knob, Fader Control	AC
36	JKNBP0093AFSA	Knob, Recording Level Control	AE
37	JKNBR0140AFSA	Key, Cassette Ejection, Deck 1	AE
38	JKNBR0141AFSA	Key, APLD Reverse, Deck 1	AE
39	JKNBR0142AFSA	Key, Rewind/Review, Deck 1	AE
40	JKNBR0143AFSA	Key, Stop, Deck 1	AE
41	JKNBR0144AFSA	Key, Playback, Deck 1	AE
42	JKNBR0145AFSA	Key, Fast Forward Wind/ Skip (cue), Deck 1	AE
43	JKNBR0146AFSA	Key, APLD Forward, Deck 1	AE
44	JKNBR0147AFSA	Key, Pause, Deck 1	AE
45	JKNBR0148AFSA	Key, Edit, Deck 2	AE
46	JKNBR0149AFSA	Key, Pause, Deck 2	AE
47	JKNBR0150AFSA	Key, Rewind/Review, Deck 2	AE
48	JKNBR0151AFSA	Key, Record, Deck 2	AE
49	JKNBR0152AFSA	Key, Stop, Deck 2	AD
50	JKNBR0153AFSA	Key, Playback, Deck 2	AD
51	JKNBR0154AFSA	Key, Fast Forward Wind/ Skip (cue), Deck 2	AD
52	JKNBR0155AFSA	Key, Eject, Deck 2	AD
53	KCOUB0082AFZZ	Digital Tape Counter	AK
54	LANGA0069AFFW	Bracket, Wave-band Indication Gear	AB
55	LANGA0070AFFW	Bracket, Cassette Compartment Retaining	AA
56	LANGA0071AFFW	Bracket, Cassette Compartment Retaining	AB
57	LANGA0079AFFW	Bracket, Strengthen	AB
58	LANGF0494AFFW	Bracket, Function Key Shaft Retaining	AB
59	LANGF0495AFFW	Bracket, Motor Mounting	AG
60	LANGF0496AFFW	Bracket, Wiring Guide	AD
61	LANGF0497AFFW	Bracket, Printed Wiring Board	AC
64	LBSHS0001AG00	Cushion, Motor, Rubber	AA
65	LCHSM0316AFZZ	Mechanism Main Chassis	
66	LCHSM0317AFZZ	Mechanism Chassis, Turntable Retaining	
67	LCHSS0144AFZZ	Mechanism Sub-chassis, Deck 2	
68	LCHSS0145AFZZ	Mechanism Sub-chassis, Deck 1	
69	LHLDA1052AFSA	Clip, FM/SW Telescopic Aerial	AA
70	LHLDF1220AFZZ	Frame, Printed Wiring Board	AL
71	LHLDF1222AFSB	Guide, Fader Control	AD
72	LHLDF1223AFSA	Guide, Bass Tone Control/ Treble Tone Control/ Channel Balance Control/ Volume Control	AE
73	LHLDP1060AFSA	Holder, Indicators	AF
74	LHLDW1068AFZZ	Nylon Band, 100mm	AA
75	LHLDW1075AFZZ	Nylon Band, 60mm	AA
76	LHLDW1083AFZZ	Holder, Telescopic Aerial Wiring	AA
77	LHLDW3056AFZZ	Wire Holder, 31mm	AA
78	LHLDW3061AFZZ	Wire Holder, 31mm	AA
79	LHLDW9002CEZZ	Wire Holder, 100mm	AA
80	LHLDW9003CEZZ	Wire Holder, 45mm	AA
81	LHLDZ1086AFZZ	Holder, Power Switch Lever	AC
82	LHLDZ8070AFZZ	Holder, Built-in Microphone	AB
83	LSTWC2001AFZZ	Stop Ring, 2mm Dia.	
84	LSTWC3002AFZZ	Stop Ring, 3mm Dia.	
85	LX-BZ0214AFZZ	Screw, Capstan's Thrust Adjust	AB
86	LX-BZ0219AFFD	Screw, Motor Retaining	AA
87	LX-CZ0002AFZZ	Screw, 4mm Dia. x 70mm, Cabinet Retaining	
88	LX-CZ0004AFZZ	Screw, 4mm Dia. x 60mm, Cabinet Retaining	
89	LX-WZ3054AFFD	Lock Washer, External Type, 2.6mm Dia.	AA
90	LX-WZ9053AFZZ	Washer, Oil Cut-off	AA
91	MJNT-9053AFZZ	Joint, Function Selector Switch	AF
92	MLEVF0916AFZZ	Lever, Function Selector	AF
93	MLEVF0917AFFW	Lever, Playback Key Interlocking	AD
94	MLEVF0918AFFW	Lever, Fast Forward Wind	AC
95	MLEVF0919AFFW	Lever, Rewind	AC
96	MLEVF0920AFZZ	Lever, Record Key Interlocking	AE
97	MLEVF0921AFFW	Lever, Deck 2 Eject Key Interlocking	AC
98	MLEVF0922AFFW	Lever, Deck 1 Eject Key Interlocking	AC
99	MLEVF0923AFZZ	Lever, Deck 2 Pause Key Interlocking	AD
100	MLEVF0924AFZZ	Lever, Deck 1 Pause Key Interlocking	AE
101	MLEVF0925AFFW	Lever, Connecting	AC
102	MLEVF0926AFFW	Lever, Deck 2 Pause	AC
103	MLEVF0927AFFD	Lever, Pause Key Interlocking Lever Lock	AB
104	MLEVF0928AFZZ	Lever, Deck 1 Function Key Lock	AF
105	MLEVF0929AFZZ	Lever, Deck 2 Function Key Lock	AF
106	MLEVF0930AFZZ	Lever, Deck 2 Auto Stop	AC
107	MLEVF0931AFFW	Lever, Deck 1 Auto Stop	AC
108	MLEVF0932AFZZ	Lever, Tape Operation Mode Selector	AD
109	MLEVF0933AFFW	Lever, Deck 2 to 1 Sequential Playback	AE
110	MLEVF0934AFZZ	Lever, Tape Operation Mode Selector Lever Interlocking	AG
111	MLEVP0127AFZZ	Lever, Power Switch	AC
112	MLEVP0128AFZZ	Lever, Record Key Interlocking	AC
113	MLEVP0129AFZZ	Lever, Record/Playback Switch	AC
114	MLEVP0132AFZZ	Lever, Edit Key Interlocking	AC
115	MLEVP0133AFZZ	Lever, Deck 2 Sub-chassis Return	AC
116	MLEVP0134AFZZ	Lever, Deck 1 Sub-chassis Return	AC
117	MLEVP0135AFZZ	Lever, Cassette Compartment Interlocking	AF
118	MLEVP0136AFZZ	Lever, Erase Proof	AB
119	MLEVP0137AFZZ	Lever, Cassette Compartment Lock	AC
120	MLEVP0138AFZZ	Lever, Pause Key Interlocking	AC

PARTS LIST

REF. NO.	PART NO.	DESCRIPTION	CODE
214	PFLT-0377AF00 (Old type.) PFLT-0420AF00 (New type.)	Felt, Dubbing Switch/Deck 1 Tape Selector/Deck 2 Tape Selector/Recording Mode Selector	AA
215	PFLT-0390AF00	Felt, Fader Control/Bass Tone Control/Treble Tone Control/ Channel Balance Control/ Volume Control	AB
216	PGUMS0114AF00	Rubber, Fader Control	AA
219	PRDAR0218AFFW	Heat Sink	AH
220	PSLDC3092AFZZ	Shield Plate, Indicators Printed Wiring Board	AG
221	PSLDM3154AFFW	Shield Plate, Radio Printed Wiring Board	AC
222	PSLDM7118AFZZ	Shield Plate, Rear Cabinet	AD
223	PSLDM7124AFZZ	Shield Plate, Sockets & Terminals	AD
224	PSLDM7125AFZZ	Shield Plate, Controls & Switches	AD
225	PSPAN0055AFZZ	Spacer, Cassette Compartment Lock Lever	AA
226	PTPEC0005AG00	Ribbon, Battery Compartment	AB
⚠ 227	QACCK0050AFZZ	Mains Lead, Gray (GF-555H)	AL
	QACCK0051AF00	Mains Lead, Black (GF-555H)	AL
	QACCB0003AG0V	Mains Lead (GF-555E)	AK
228	QANTR0111AFZZ	FM/SW Telescopic Aerial	AM
CNP702	QCNCM0411SGZZ	Plug, 4 Pin	AD
CNP101	QCNCM0604SGZZ	Plug, 6 Pin	AC
CNP701	QCNCM0604SGZZ	Plug, 6 Pin	AC
CNP1	QCNCM0705SGZZ	Plug, 7 Pin	AC
CNP2	QCNCM095BAFZZ	Plug, 2 Pin	AB
CNP103	QCNCM095BAFZZ	Plug, 2 Pin	AB
CNP104	QCNCM1101AGZZ	Plug, 11 Pin	AC
CNP102	QCNCM136CAFZZ	Plug, 3 Pin	AB
CNP105	QCNCM136CAFZZ	Plug, 3 Pin	AB
CNP801	QCNCM238HAFZZ	Plug, 8 Pin	AD
CNP802	QCNCM284CAFZZ	Plug, 3 Pin	AF
CNS3	CCNCW221CAF02	Socket, 3 Pin, with Leads	
	QCNCW221CAFZZ	Socket, 3 Pin	AB
	QTIPZ0072AFZZ	Tip, Socket	AA
	QCNTZ0050AFZZ	Tip, Wiring	
229	QCNTZ0050AFZZ	Tip, Wiring	AA
230	QCNTZ0051AFZZ	Tip, Wiring	AA
JL2	QCNW-0517AFZZ	Jumper, 7 Leads, 60mm	AB
JL3	QCNW-0518AFZZ	Jumper, 9 Leads, 60mm	AC
CNS103	QCNW-0520AFZZ	Socket, 2 Pin, with Leads	AD
CNS101	QCNW-0521AFZZ	Socket, 6 Pin, with Leads	AH
JL4	QCNW-0569AFZZ	Jumper, 5 Leads, 330mm	AD
CNS702	QCNW-0647AFZZ	Socket, 4 Pin, with Leads	AE
CNS105	QCNW-0649AFZZ	Socket, 3 Pin, with Leads	AD
CNS2	QCNW-0651AFZZ	Socket, 2 Pin, with Leads	AC
CNS104	QCNW-0652AFZZ	Socket, 11 Pin, with Leads	AH
CNS801	QCNW-0653AFZZ	Socket, 8 Pin, with Leads	AF
CNS1	QCNW-0654AFZZ	Socket, 7 Pin, with Leads	AF
CNS802	QCNW-0655AFZZ	Socket, 3 Pin, with Leads	AD
CNS102	QCNW-0659AFZZ	Socket, 3 Pin, with Leads	AE
CNS701	QCNW-0660AFZZ	Socket, 6 Pin, with Leads	AF
JL1	QCNW-0666AFZZ	Jumper, 2 Leads, 60mm	AA
CNP3	QCNW-0703AFZZ	Plug, 3 Pin, with Leads	AD
⚠ F701	QFS-C122CAGNI	Fuse, T1.25A	AE
232	QFSHD2051AFZZ	Holder, Fuse	AA
233	QHWS-3001AGFN	Tip, Terminal	
J702 (A, B)	QJAKB0054AFZZ	Socket, External Speaker	AK
J501	QJAKE0062AFZZ	Socket, Mixing Microphone	AE
J701	QJAKJ0069AFZZ	Socket, Headphones	AG
J102	QJAKJ0074AFZZ	Socket, Deck 1 Monitor Output	AG
J101 (A ~ J)	QJAKZ0092AFZZ	Socket Assembly J101 (I, J): External Microphone Input J101H: Remote Control J101G: Earthing Terminal J101 (E, F): Phono Input J101 (C, D): Line Input J101 (A, B): Line Output	AP
234	QLUGP0111CEFW	Lug Terminal, 13mm	AA
⚠SW702	QSOCE0562AFZZ	Voltage Selector Terminal Assembly	AH
⚠J703 (A, B), SW703	QSOCZ2196AFZZ	J703A: DC15V Input J703B: AC Input	AH
SW504 (A ~ D)	QSW-B0002AFZZ	Switch, FM Mode Selection/ Mixing On-Off/FM Muting On-Off (SW504A, B: Mixing On-Off, SW504C: FM Muting On-Off, SW504D: FM Mode Selection)	AF
SW501 (B ~ D)	QSW-B0084AFZZ	Switch, Recording Mode Selector (auto – Manual)	AF
SW503 (A ~ D)	QSW-B0084AFZZ	Switch, Deck 2 Tape Selector (normal – CrO_2)	AF
SW502A	QSW-B0114AFZZ	Switch, Dubbing	AE
SW505 (A, B)	QSW-B0114AFZZ	Switch, Deck 1 Tape Selector (normal – CrO_2)	AE
SW601 (A ~ C)	QSW-B0115AFZZ	Switch, Meter Indication Selector	AF
SW801	QSW-F0131AFZZ	Switch, Deck 2 Fast Forward Wind/Skip (cue) Key Interlocking	AD
SW802	QSW-F0131AFZZ	Switch, Deck 2 Rewind/Review Key Interlocking	AD
SW806	QSW-F0131AFZZ	Switch, Deck 1 Forward APLD Key Interlocking	AD
SW807	QSW-F0131AFZZ	Switch, Deck 1 Reverse APLD Key Interlocking	AD
SW808	QSW-F0131AFZZ	Switch, Deck 1 Fast Forward Wind/Skip (cue) Key Interlocking	AD
SW809	QSW-F0131AFZZ	Switch, Deck 1 Rewind/Review Key Interlocking	AD
SW803	QSW-F0132AFZZ	Switch, Deck 2 Function Key Lock Lever Interlocking	AD
SW805	QSW-F0132AFZZ	Switch, Deck 2 Function Key Lock Lever Interlocking	AD
SW810	QSW-F0132AFZZ	Switch, Deck 1 Function Key Lock Lever Interlocking	AD
SW812	QSW-F0132AFZZ	Switch, Deck 1 Function Key Lock Lever Interlocking	AD
⚠SW701	QSW-F0133AFZZ	Switch, Power	AD
SW103 (A ~ D)	QSW-P0216AFZZ	Switch, Edit	AE
SW1 (A ~ J)	QSW-R0172AFZZ	Switch, Wave-band Selector	AN
SW104	QSW-S0191AFZZ	Switch, Beat Interference Canceller	AD
SW101 (A ~ L)	QSW-S0228AFZZ	Switch, Record/Playback	AH
SW102 (A ~ D)	QSW-S0254AFZZ	Switch, Function Selector	AF

PARTS LIST

REF. NO.	PART NO.	DESCRIPTION	CODE
121	MLEVP0139AFZZ	Lever, Pause Key Interlocking	AC
122	MLEVP0140AFZZ	Lever, Record Prevention	AC
123	MLEVP0141AFZZ	Lever, Record & APLD Key Lock	AD
124	MLEVP0142AFZZ	Lever, Pause Release	AB
125	MLEVP0143AFZZ	Lever, Fast Forward Wind & Rewind Roller Shift	AC
126	MLEVP0144AFZZ	Lever, Reverse APLD & Review	AC
127	MLEVP0145AFZZ	Lever, Forward APLD & Skip (cue)	AC
128	MLEVP0146AFZZ	Guide, Deck 1 Tape	AC
129	MLEVP0147AFZZ	Lever, Deck 1 to 2 Sequential Playback	AB
130	MLEVP0148AFZZ	Lever, Timer Start	AC
131	MLEVP0149AFZZ	Lever, Auto Stop Lever Control	AB
132	MLEVP0150AFZZ	Lever, Brake	AE
133	MLEVP0151AFZZ	Lever, Auto Stop Control	AB
134	MLEVP0152AFZZ	Cam Follower, Auto Stop	AE
135	MLEVP0153AFZZ	Guide, Auto Stop Cam Follower	AA
136	MLEVP0154AFZZ	Guide, Auto Stop Cam Follower	AC
137	MLEVP0157AFZZ	Lever, Detent	AA
138	MLIFP0003AFZZ	Damper, Cassette Compartment	
139	MSPRC0031AGMN	Spring, Head Azimuth	AA
140	MSPRC0175AFFN	Spring, Battery Terminal	AD
141	MSPRC0176AFFN	Spring, Battery Terminal	AB
142	MSPRC0183AFFJ	Spring, Auto Stop Cam Follower Guide	AB
143	MSPRD0188AFFJ	Spring, Fast Foward Wind & Rewind Roller	AA
144	MSPRD0206AFFW	Spring, Deck 1 Cassette Compartment	AA
145	MSPRD0207AFFW	Spring, Deck 2 Cassette Compartment	AA
146	MSPRD0213AFFJ	Spring, Pinch Roller	AA
147	MSPRD0214AFFJ	Spring, Fast Forward Wind & Rewind Lever	AA
148	MSPRD0215AFFJ	Spring, Cassette Compartment Lock Lever	AA
149	MSPRD0216AFFJ	Spring, Fast Forward Wind & Rewind Roller Shift Lever	AA
150	MSPRD0217AFFJ	Spring, Pause Key Interlocking Lever Lock Lever	AA
151	MSPRD0218AFFJ	Spring, Cassette Compartment Interlocking Lever	AA
152	MSPRD0219AFFJ	Spring, Record Key Interlocking Lever	AA
153	MSPRD0220AFFJ	Spring, Take-up Idler	AC
154	MSPRD0221AFFJ	Spring, Auto Stop Control Lever	AC
155	MSPRD0222AFFJ	Spring, Brake Lever	AB
156	MSPRD0223AFFJ	Spring, Detent Lever	AC
157	MSPRD0224AFFJ	Spring, Deck 2 to 1 Sequential Playback Lever	AB
158	MSPRD0225AFFJ	Spring, Deck 1 to 2 Sequential Playback Lever	AB
159	MSPRD0226AFFJ	Spring, Timer Start Lever	AA
160	MSPRD0227AFFJ	Spring, Auto Stop Control Lever	AB
161	MSPRD0240AFFJ	Spring, Cassette Compartment	AC
162	MSPRK0055AFFJ	Spring, Edit Key Interlocking Lever	AB
163	MSPRP0206AFFW	Plate Spring, Cassette Compartment	AA
164	MSPRP0207AFFW	Plate Spring, Handle Retaining	AB
165	MSPRP0211AFFJ	Plate Spring, Cassette Retaining	AD
166	MSPRP0212AFFJ	Plate Spring, Function Key Return	AD
167	MSPRT0003AGFW	Spring, Dial Stringing	AA
168	MSPRT0595AFFJ	Spring, Playback Key Interlocking Lever	AA
169	MSPRT0596AFFJ	Spring, Sub-chassis Pressure	AB
170	MSPRT0597AFFJ	Spring, Function Key Lock Lever	AA
171	MSPRT0598AFFJ	Spring, Record & APLD Key Lock Lever	AA
172	MSPRT0599AFFJ	Spring, Erase Proof Lever	AA
173	MSPRT0600AFFJ	Spring, Pause Key Interlocking Lever	AA
174	MSPRT0601AFFJ	Spring, Deck 1 Pause Key Interlocking Lever	AA
175	MSPRT0602AFFJ	Spring, Deck 2 Eject Key Interlocking Lever	AA
176	MSPRT0603AFFJ	Spring, Deck 1 Sub-chassis Return Lever	AA
177	MSPRT0604AFFJ	Spring, Record Prevention Lever	AA
178	MSPRT0605AFFJ	Spring, Auto Stop Lever	AC
179	NBALS0004AGFJ	Steel Ball, 3mm Dia.	AA
180	NBLTH0066AFZZ	Belt, Flywheel Drive	AD
181	NBLTK0143AFZZ	Belt, Auto Stop Mechanism Drive	AC
182	NBLTK0144AFZZ	Belt, Digital Tape Counter Drive	AC
183	NBRGC0064AFZZ	Bearing, Capstan	AE
184	NDAIR0136AFSA	Turntable, Take-up	AH
185	NDAIR0137AFSA	Turntable, Supply	AF
186	NDRM-0158AFZZ	Worm Gear, Auto Stop	AC
187	NDRM-0066AFZZ	Drum, Dial Stringing	AD
188	NFLYC0075AFZZ	Flywheel	AK
189	NGERH0052AFZZ	Gear, Wave-band Indication Mechanism	AC
190	NGERH0057AFSA	Indicator, Wave-band	AE
191	NIDR-0066AFZZ	Idler, Take-up	AH
192	NPLYB0050AFZZ	Pulley, Dial Stringing	AA
193	NPLYB0051AFZZ	Pulley, Dial Stringing	AA
194	NPLYR0050AFZZ	Pulley, Rubber, Take-up	AB
195	NPLYR0065AFZZ	Worm, Auto Stop Mechanism	AD
196	NROLW0011AFZZ	Roller, Fast Forward Wind & Rewind	AM
197	NROLX0003AFZZ	Gear, Rewind	AC
198	NROLY0026AFZZ	Pinch Roller, Deck 1	AC
199	NROLY0031AFZZ	Pinch Roller, Deck 2	AF
200	NSFTN0007AFFW	Shaft, Auto Stop Worm Gear	AE
201	NSFTT0133AFFP	Shaft, Function Key	AD
202	NSFTT0134AFFP	Shaft, Pause Release Lever	AC
203	NSFTT0135AFFP	Shaft, Cassette Compartment Interlocking Lever	AC
204	PCOVM1055AFSA	Cover, FM Mode Selection/ Mixing On-Off/FM Muting On-Off Knob	AA
205	PCOVM1056AFSA	Cover, Tape Operation Mode Selector Knob	AB
^206	PCOVP7165AFZZ	Cover, Power Supply Printed Wiring Board	AF
207	PCUSG0106AF00	Cushion, 9mm x 12mm x 16mm	AA
208	PCUSU0128AFZZ	Cushion, Coils (L1, L2, L3, L4)	AA
209	PCUSU0213AFZZ	Cushion, Power Switch Lever	AA
210	PCUSU0231AF00	Cushion, Battery Compartment Lid	AB
211	PCUSU0235AF08	Cushion, Tape Operation Mode Selector	AA
212	PFLT-0127AF00	Felt, Battery Compartment	AA
213	PFLT-0339AF00	Felt, Rear Cabinet	AA

PARTS LIST

REF. NO.	PART NO.	DESCRIPTION	CODE
SW602 (A ~ K)	QSW-Z0060AFZZ	Switch, APLD Number Input, with Buttons & Indicators	BA
236	QTANB0156AFFN	Terminal, Battery	AB
237	QTANN0254AFZZ	Terminal, External FM Aerial	AF
238	QTIPF0001CEYW	Tip, Wiring	AA
239	QTIPZ0062AFZZ	Tip, Wiring	AA
241	RHEDA0070AFZZ	Head, Deck 2 Erase	AG
242	RHEDF0059AFZZ	Head, Deck 1 Playback	AP
243	RHEDH0075AFZZ	Head, Deck 2 Record/Playback	AP
PL1	RLMPM0107AFZZ	Lamp, Dial	AD
244	RMICC0071AFZZ	Microphone, Built-in	AF
245	RMOTV0076AFZZ	Motor	AV
SOL1	RPLU-0092AFZZ	Solenoid, with Plunger	AL
	SPAKA0576AFZZ	Cushion, Packing, Left Hand Side	AF
	SPAKA0577AFZZ	Cushion, Packing, Right Hand Side	AF
	SPAKC1418AFZZ	Individual Carton, with Indication: MADE IN JAPAN (GF-555H)	AN
	SPAKC1450AFZZ	Individual Carton, without Indication: MADE IN JAPAN (GF-555H)	AN
	SPAKC1419AFZZ	Individual Carton (GF-555E)	AN
	SPAKZ0084AFZZ	Packing Material, Front Cabinet Protector	AB
	SSAKH0024AGZZ	Bag, Operation Manual	AA
	SSAKH0116AFZZ	Bag, Unit	AC
	TCAUA0178AFZZ	Caution Label, Arabic, AC Mains Lead (GF-555H)	
	TCAUH0056AGZZ	Caution Label, Mains Supply Cord (GF-555E)	
	TCAUZ0039AFZZ	Caution Label, Unit Bag (GF-555E)	
	TCTLE0001AGZZ	Catalog, For Users in UK (GF-555E)	
	TGANG1039AFZZ	Warranty Card, For Users in Europe (GF-555H)	
	TGANE1117AFZZ	Warranty Card, For Users in UK (GF-555E)	
	TINSE0647AFZZ	Operation Manual (GF-555E)	AP
	TINSZ0196AFZZ	Operation Manual, Black Colour (GF-555H)	AP
	TINSZ0222AFZZ	Operation Manual, Blue Colour (GF-555H)	
246	TLABH0097AFZZ	Label, ◄FM ►/◄ SW	
	TLABJ0006AFZZ	Label, MADE IN JAPAN (GF-555E)	
247	TLABP0164AFZZ	Label, Battery Caution	
	TLABS0004AGZZ	Label, SEV (GF-555H)	
	TLABS0014TAZZ	Label, SEMKO (GF-555H)	
	TLABS0015AGZZ	Label, NEMKO (GF-555H)	
	TLABS0054AFZZ	Label, BEAB (GF-555E)	
	TLABS0063AFZZ	Label, DEMKO (GF-555H)	
	TLABS0079AFZZ	Label, Funk- (GF-555H)	
	TLABT0053AFZZ	Label, License	
	TLABZ0118AFZZ	Label, Free From Taxes (GF-555H)	
	TMAPC0620AFZZ	Schematic Diagram	
	TTAGH0115AFZZ	Tag, English/German/French/Spanish/Swedish	
	UBATU0009AGZZ	Battery	AC
SP1, SP2	VSP0016PB334P	Speaker, Woofer, 16cm	AV
SP3, SP4	VSP0050TB204A	Speaker, Tweeter, 5cm	AP
	CTPEK0079AF01	Cassette Tape, For HELIP	
	CTPEK0079AF02	Cassette Tape	
248	LX-WZ5037AGZZ	Washer, Nylon, 2.6mm Dia. x 4.7mm Dia. x 0.25mm	
249	LX-WZ5048AGZZ	Washer, Nylon, 1.7mm Dia. x 4mm Dia. x 0.25mm	
250	LX-WZ9063AFZZ	Washer, Nylon, 1.2mm Dia. x 4mm Dia. x 0.5mm	
251	LX-WZ9064AFZZ	Washer, Nylon, 1.5mm Dia. x 3.8mm Dia. x 0.5mm	
252	LX-WZ9065AFZZ	Washer, Nylon, 2mm Dia. x 3.8mm Dia. x 0.5mm	
253	PGUMS0143AF00	Spacer, Rubber, 2mm x 12mm x 16mm	

PWB ASSEMBLY
(Not Replacement Item)

DUNTJ0057AF04 (Combined Assembly)	Power Supply Circuit Headphones Output Circuit	–
DUNTL0111AF02 (Combined Assembly)	Record/Playback Amp. Circuit Phono Equalizer Amp. Circuit Recording Control Circuit	–
DUNTR0147AF04	Radio Circuit (GF-555E)	–
DUNTR0147AF02	Radio Circuit (GF-555H)	–
DUNTZ0401AF04	Indicators Circuit	–
DUNTZ0403AF02	Mechanism Control Circuit	–