

SHARP

OUTSTANDING RECEPTION THE WORLD OVER

SERVICE MANUAL

GF-777Z

ATSM681075RCS

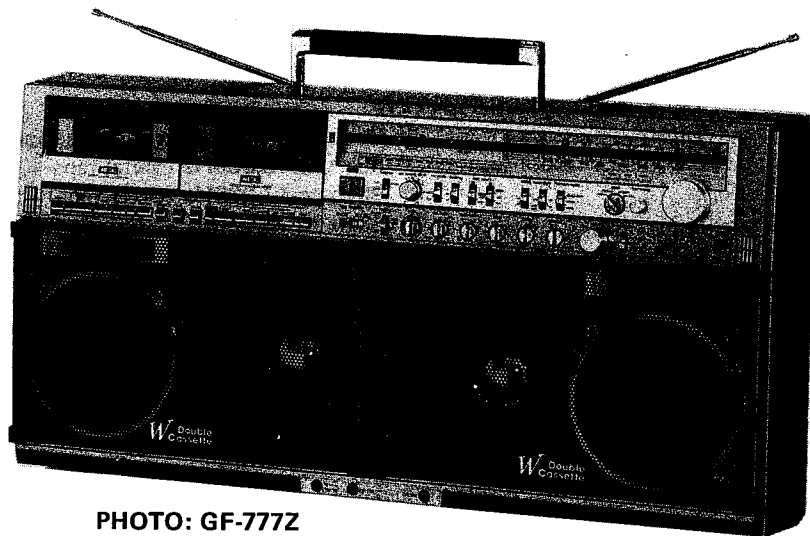


PHOTO: GF-777Z

GF-777
GF-777Z

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

FEATURES

- Multi-Amp 3-Way 6-Speaker System Massive 90W PMPO
- Dynamic Super Woofer Sound
- 16cm (6½") Woofer with Rigid Speaker Ring
- Horn Tweeter for Clear, Crisp Highs
- Two Decks Side by Side, for Versatile Record/Playback
- Soft-Touch Cassette Controls
- Brilliant Metal Tape Sound
- APLD (Auto Program Locate Device)
- Sharp Super Noise Reduction System

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SHARP CORPORATION
SHARP ELECTRONICS CORPORATION

FOR A COMPLETE DESCRIPTION OF THE OPERATION OF THIS UNIT,
PLEASE REFER TO THE OPERATION MANUAL

SPECIFICATIONS

GENERAL

Power source: (GF-777) AC 120/220/240V, 50/60Hz
DC 15V (Ten "D" Size batteries or external DC supply)

(GF-777Z) AC 110-120/210-220/230-240V, 50/60Hz
DC 15V (UM/SUM-1, R-20, HP-2, or battery x 10, "D" or external DC supply)

Speakers: Super Woofer; 16cm (6-1/2") x 2
Woofer; 16cm (6-1/2") x 2
Tweeter; Horn type x 2

Output power: (GF-777) Full range; 4 Watts per channel, minimum RMS, at 4 ohms, from 100Hz to 20kHz, no more than 10% Total harmonic distortion.

Super Woofer; 3 Watts per channel, minimum RMS, at 4 ohms, from 70Hz to 500Hz, no more than 10% Total harmonic distortion.

(GF-777Z) PMPO 90W, AC Supply Operation with 4 Amplifiers

Semiconductors: (GF-777) 7-IC's (Integrated Circuits) + 10 Aux. IC's
1-FET
19-Transistors + 33 Aux. Transistors
1-SCR
59-Diodes
11-LED's

(GF-777Z) 17-IC's
52-Transistors
1-SCR
1-FET
59-Diodes
11-LED's

Dimensions: Width; 752mm
Depth; 166mm
Height; 379mm

Weight (without batteries): 11.8kg

TAPE RECORDER/PLAYER

Tape: Philips-type compact cassette tape

Frequency response: 30Hz to 18,000Hz (Metal tape)
30Hz to 17,000Hz (CrO₂ tape)
30Hz to 14,000Hz (Normal tape)

S/N ratio: Tape 2 56dB (Metal tape, NR switch: ON)
Tape 1 60dB (SNRS: ON)
56dB (SNRS: OFF)

Wow and flutter: 0.055% (WRMS)

Input sensitivity and input impedance:
Ext. Mic; 600 ohms
Mixing mic; 600 ohms
Line in; 0.2V/22K ohms

Output level and loaded impedance:
Headphones; 8 ohms to 25 ohms
External speaker; 4 ohms to 8 ohms
Line out; 0.6V/50K ohms

RADIO

Frequency range: AM; 525kHz to 1,605kHz
SW₁; 2.3MHz to 7.3MHz
SW₂; 7.3MHz to 22MHz
FM; 87.6MHz to 108MHz

NOTE

The manufacturer of this Unit reserves the right to change the specifications, materials of production, and the design of the Unit. However any such alternations will not impair the quality of construction and grade of performance of the Unit.

POWER SUPPLY

The GF-777 Unit will operate on an AC mains supply of 120 Volts, 220 Volts, or 240 Volts of 50Hz or 60Hz. For portable use it will operate on its internal batteries, or from an external 15 Volts DC supply (with an adaptor).

The GF-777Z Unit will operate on an AC mains supply of 110 ~ 120 Volts, 210 ~ 220 Volts, or 230 ~ 240 Volts of 50Hz or 60Hz. For portable use it will operate on its internal batteries, or from an external 15 Volts DC supply (with an adaptor).

AC SUPPLY VOLTAGE ADJUSTMENT

The Voltage Selector setting should be checked to see that it conforms to the local AC supply voltage. This must be done before plugging in to the AC supply. Adjustment is made by turning the adjusting screw in either direction with a minus headed screwdriver until reading of Selector matches the local AC supply voltage.

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.

NAMES OF PARTS

1. Deck 1: Cassette Compartment
2. Deck 2: Cassette Compartment
3. Super Woofer Sound Control Knob (Left) (JKNBK0229AFSA)
4. Super Woofer Sound Control Knob (Right) (JKNBK0229AFSA)
5. Tweeter (Left) (VSP0050TB334A)
6. Woofer (Left) (VSP0016PB614A)
7. Super Woofer (Left) (VSP0016WB604A)
8. Deck 1: Monitoring Socket (QJAKJ0089AFZZ)
9. Mixing Microphone Socket (QJAKE0079AFZZ)
10. Headphones Socket (QJAKJ0090AFZZ)
11. Super Woofer (Right) (VSP0016WB604A)
12. Woofer (VSP0016PB614A)
13. Tweeter (VSP0050TB334A)
14. Built-in Microphone For Left Channel Recording (RMIC00076AFZZ)
15. Built-in Microphone For Right Channel Recording (RMIC00076AFZZ)

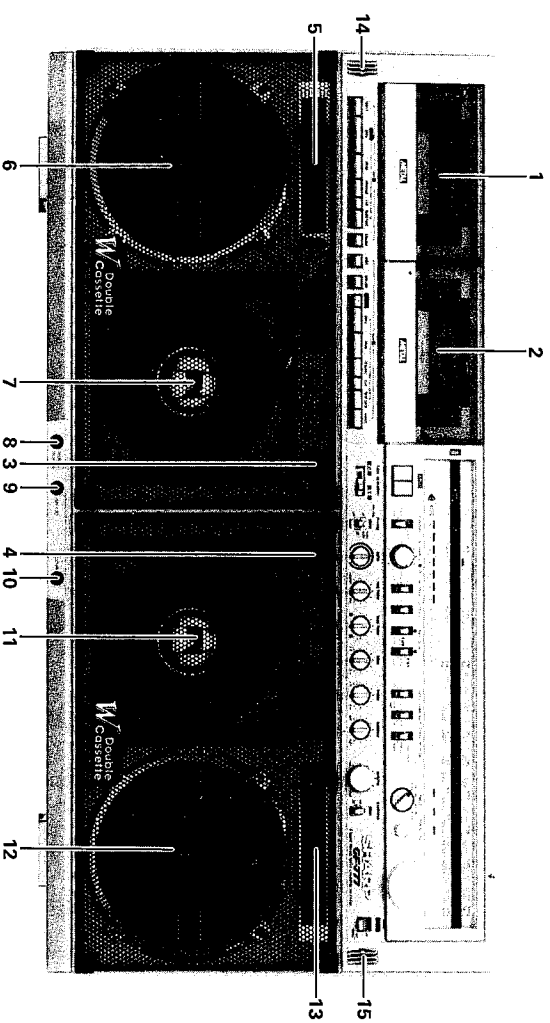


Figure 3-1

16. Deck 1: Cassette Ejection Key (JKNBP0126AFSA)
17. Deck 1: Playback Key (JKNBP0133AFSA)
18. Deck 1: Stop Key (JKNBP0127AFSA)
19. Deck 1: Rewind/Review Key (JKNBP0131AFSA)
20. Deck 1: Cut Key (JKNBP0128AFSA)
21. Deck 1: Fast Forward Wind/Cue Key (JKNBP0134AFSA)
22. Deck 1: Pause Key (JKNBP0129AFSA)
23. Deck 2: Editing Key (JKNBP0135AFSA)
24. Deck 2: Pause Key (JKNBP0129AFSA)
25. Deck 2: Record Key (JKNBP0136AFSA)
26. Deck 2: Playback Key (JKNBP0130AFSA)
27. Deck 2: Stop Key (JKNBP0127AFSA)
28. Deck 2: Rewind/Review Key (JKNBP0131AFSA)
29. Deck 2: Cut Key (JKNBP0128AFSA)
30. Deck 2: Fast Forward Wind/Cue Key (JKNBP0132AFSA)
31. Deck 2: Ejection Key (JKNBP0137AFSA)

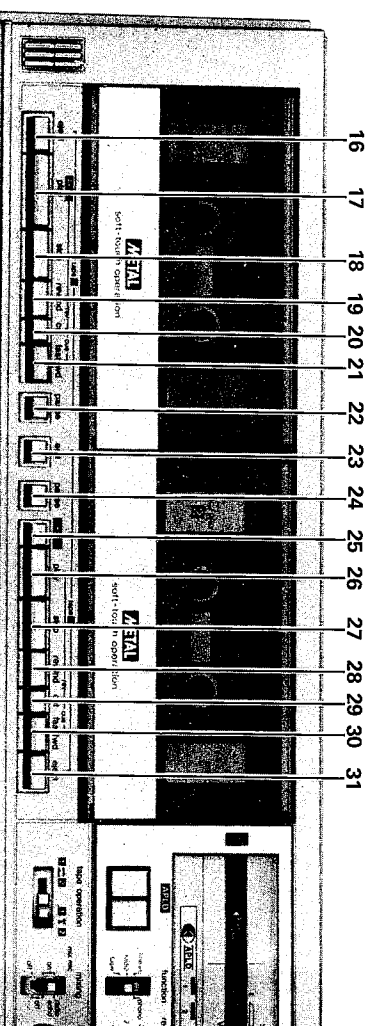


Figure 3-2

32. Deck 2: Tape Counter
33. Deck 2: Tape Counter Reset Button (KCOUB0108AFZZ)
34. Stereo Recording Level Control Knob (Left) (JKNBK0228AFSA)
35. Stereo Recording Level Control Knob (Right) (JKNBK0227AFSA)
36. Recording Mode Switch Knob (JKNBK0392AFSA)
37. Dubbing Switch Knob (JKNBM0392AFSA)
38. VU Meter/Battery Indicator (RMTRL0206AFZZ)
39. VU/Meter/Tuning Indicator
40. Deck 1: Tape Selector Switch Knob (JKNBM0392AFSA)
41. Deck 2: Tape Selector Switch Knob (JKNBM0392AFSA)
42. SNRS Switch Knob (JKNBM0392AFSA)
43. Meter Selector/Dial Light Switch Knob (JKNBM0392AFSA)
44. FM Mode/FM Muting Switch (JKNBM0392AFSA)
45. Wave Band Selector Switch Knob (JKNBK0245AFSA)
46. Radio Echo Indicator (VHPGL-9PR9/-1)
47. Dubbing Indicator (VHPGL-9PG9/-1)
48. FM Stereo Broadcast Indicator (VHPGL-9PR9/-1)
49. Fine Tuning Control Knob (JKNB0510AFSA)
50. Tuning Control Knob (JKNB0480AFSA)
51. APLD Input Buttons (JKNBZ0205AFSA)

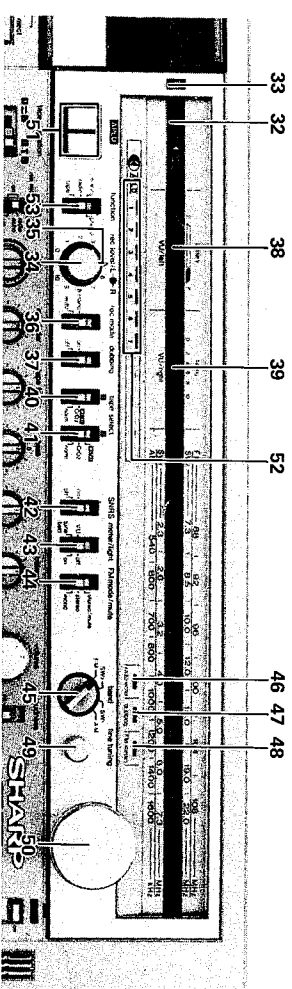


Figure 4-1

52. APLD Indicators (VHPGL-9PR9/-1)
53. Function Switch Knob (JKNBM0392AFSA)
54. Deck Mode Selector Switch Knob (JKNBM0393AFSA)
55. Mixing Switch Knob (JKNBM0392AFSA)
56. Echo Control Knob (JKNBK0226AFSA)
57. Microphone Fader Control Knob (JKNBK0226AFSA)
58. Tape Fading Control Knob (JKNBK0226AFSA)
59. Bass Tone Control Knob (JKNBK0226AFSA)
60. Treble Tone Control Knob (JKNBK0226AFSA)
61. Channel Balance Control Knob (JKNBK0226AFSA)
62. Output Volume Control Knob (JKNBK0225AFSA)
63. Loudness Switch Knob (JKNBM0392AFSA)

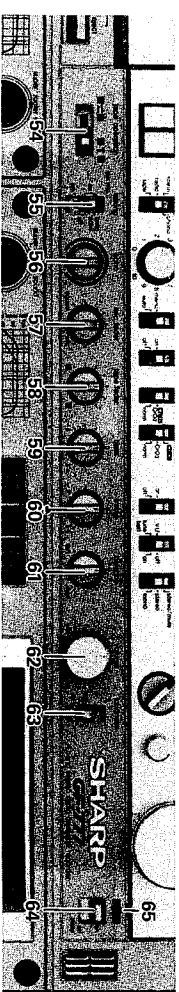


Figure 4-2

64. Power Switch Knob (JKNBM0394AFSA)
65. Power Indicator (VHPGL-9PR9/-1)
66. FM Antenna Terminals (OTANN0253AFZZ)
67. Input Selector Switch (OSW-S0309AFZZ)
68. Line Output Sockets
69. Record Player Input and Line Input Sockets
70. Grounding Terminal
71. Remote Start/Stop Control Socket
72. External Microphone Socket
73. AC Supply Voltage Selector (OSOC0576AFZZ)(GF-777)
74. 15 Volt DC Terminal (OSOC0578AFZZ)(GF-777Z)
75. AC Supply Input Terminal (OSOCZ2185AFZZ)
76. Battery Compartment (GFTAB1122AFSA)
77. Beat Interference Cancelling Switch (OSW-S0267AFZZ)
78. External Super Woofer Sockets (QJAKH0074AFZZ)
79. External Main Speaker Sockets
80. Telescopic Antenna (QANTR0116AFZZ)

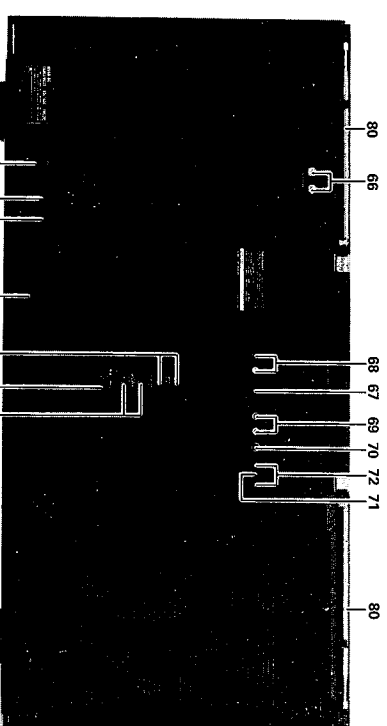


Figure 4-3

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.

■ Removal of Front Cabinet and Back Cabinet

1. Remove one tuning control knob, one fine tuning control knob, one volume control knob, two record control knobs, six other control knobs, one deck mode selector knob, one wave band selector knob and other ten selector knobs. Then remove two punching metals and two super woofer

2. Remove nine screws at the front cabinet and back cabinet. See Fig. 5-2.

3. Open the back cabinet, and withdraw two antenna lead tips (white, black) from the cabinet inside. See Fig. 5-3.

4. Remove one socket from the power P.W.B. located at the lower of the back cabinet. See Fig. 5-4.

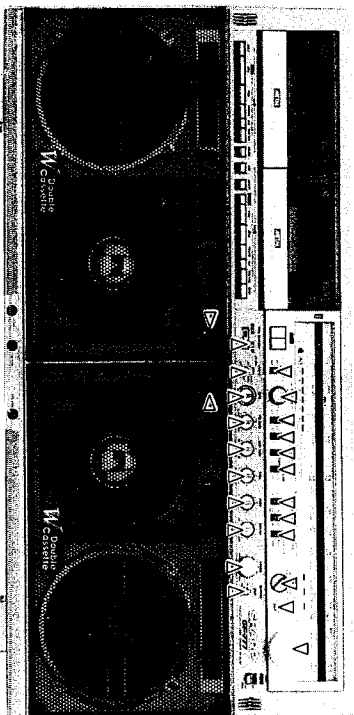


Figure 5-1

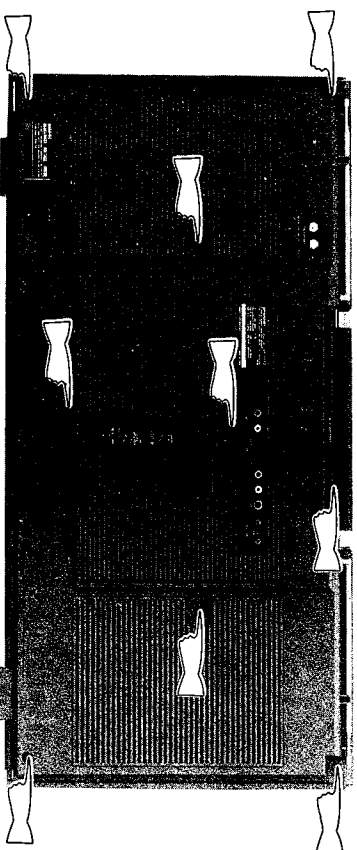


Figure 5-2

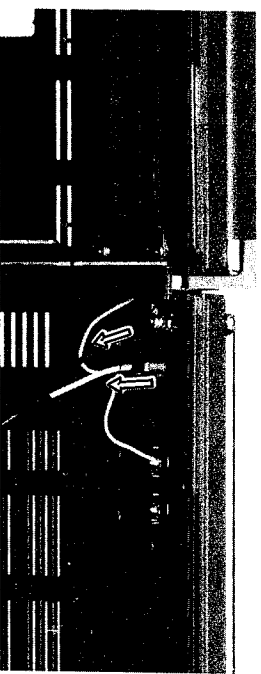


Figure 5-3

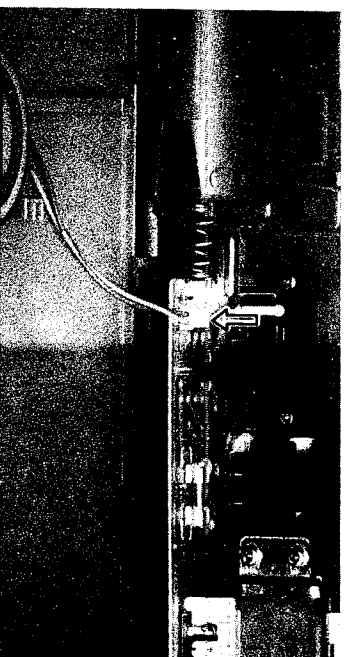


Figure 5-4

■ Removal of Main Frame

1. Remove five sockets at the power amplifier P.W.B. See Fig. 6-1.

2. Remove three screws at the main frame, two screws at the power switch holder, one screw at the power amplifier P.W.B., three screws at the headphone/microphone P.W.B. and one socket at the echo P.W.B. Then hold the main frame up to remove. See Fig. 6-2.

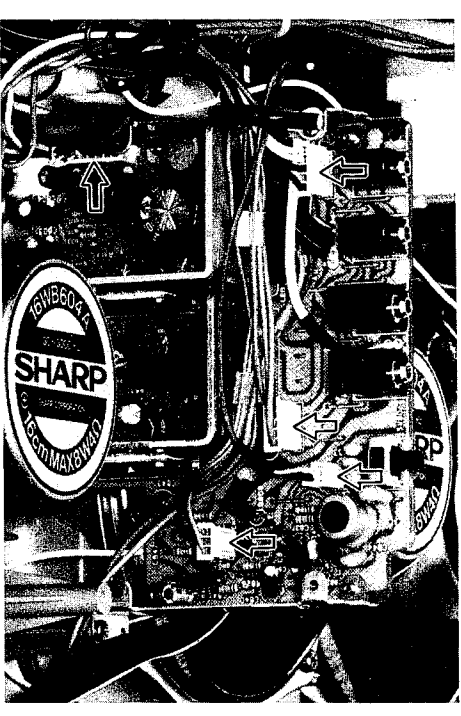


Figure 6-1

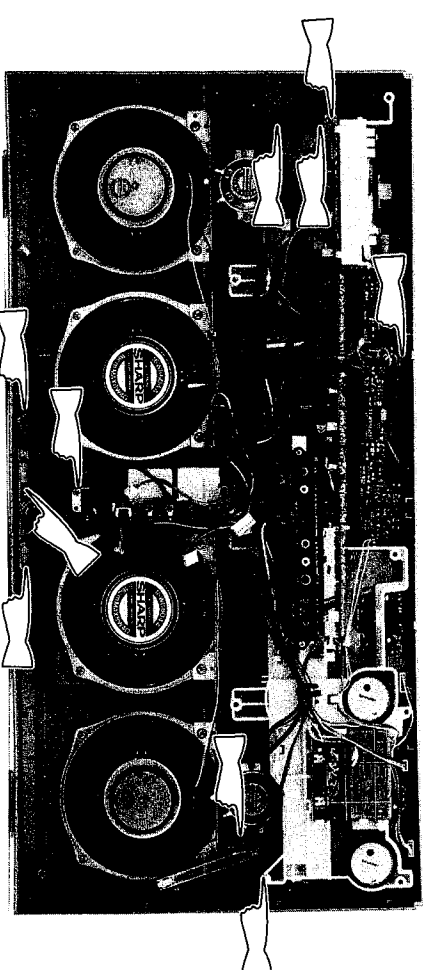


Figure 6-2

■ Removal of Mechanism Block

1. Remove three sockets at the mechanism P.W.B., two sockets at the record/playback P.W.B. and one socket at the bias current P.W.B. See Figs. 6-3 and 6-4.

2. Detach the tape counter drive belt from the tape take-up reel disk. Remove four screws at the mechanism block, and shift the mechanism block forwards and detach. See Fig. 6-5.

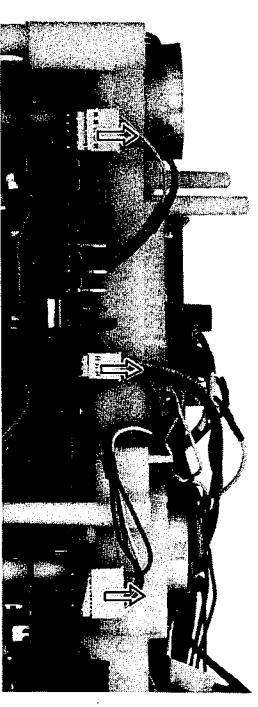


Figure 6-3

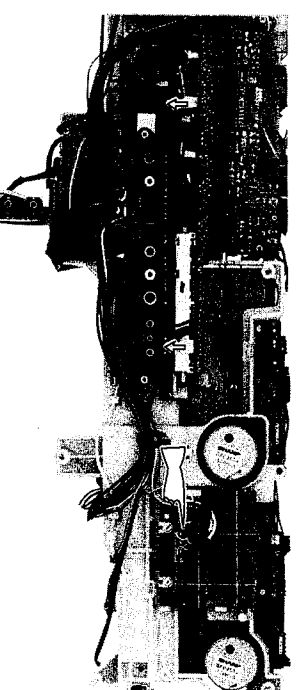


Figure 6-4

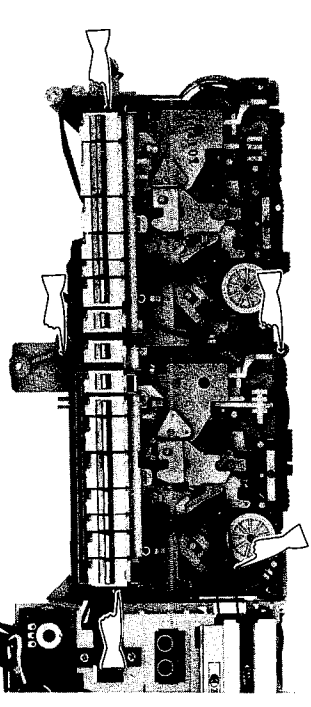


Figure 6-5

■ **Removal of Tuner Frame**

1. Remove one socket at the tuner P.W.B. See Fig. 7-1.
2. Loosen three tabs securing the dial scale plate, and detach the plate while shifting it down. See Fig. 7-2.
3. Remove three screws at the tuner frame, and detach the frame while shifting it to right. See Fig. 7-3.

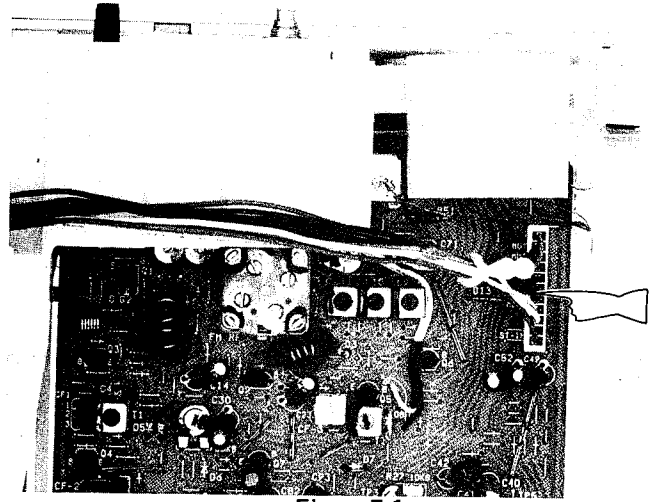


Figure 7-1

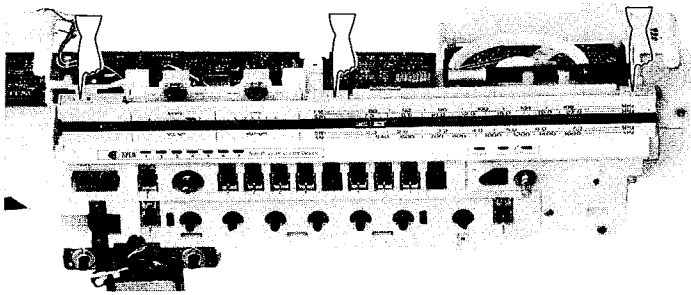


Figure 7-2

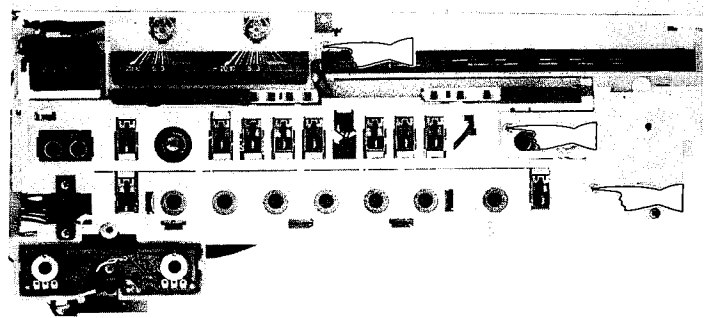


Figure 7-3

■ **Removal of Power Amplifier P.W.B.**

1. Remove one screw and two tabs at the super woofer sound control P.W.B., and one screw at the power amplifier P.W.B. Then hold up the power amplifier P.W.B. to remove. See Fig. 7-4.

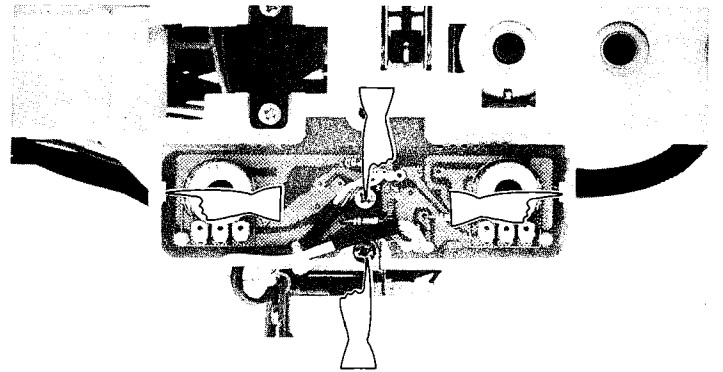


Figure 7-4

■ **Removal of Power P.W.B.**

1. Remove four screws at the power transformer and two screws at the AC socket. Then detach the power P.W.B. See Fig. 7-5.

Caution:

The GF-777Z shown in this photo is not provided with the power supply unit's cover as it is with the GF-777.

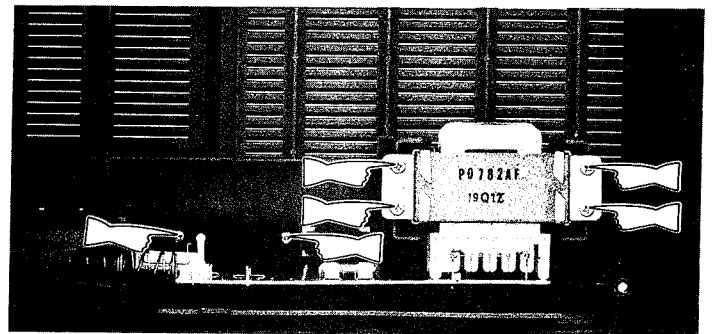


Figure 7-5

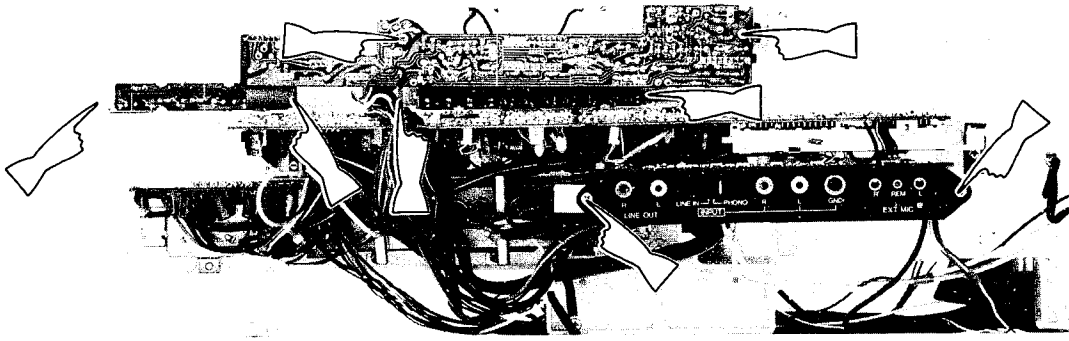


Figure 8-1

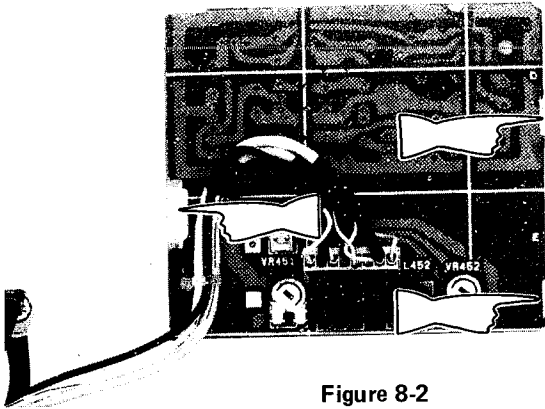


Figure 8-2

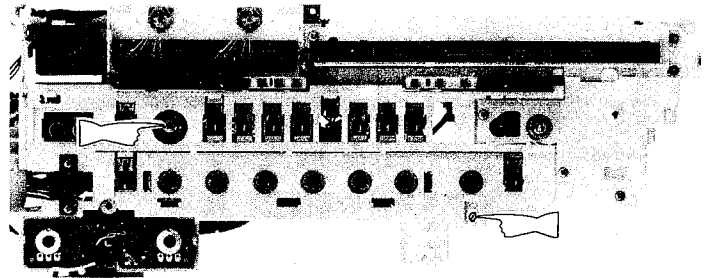


Figure 8-3

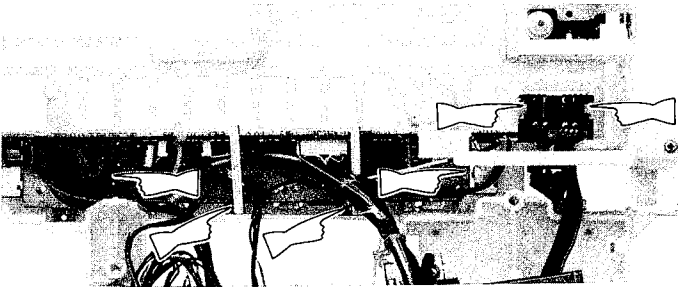


Figure 8-4

■ **Removal of Record/Playback P.W.B.**

1. Remove two screws at the APLD P.W.B. and four tabs at the indicator P.W.B. holder. See Fig. 8-1.
2. Remove three tabs at the bias current P.W.B. See Fig. 8-2.
3. Remove two screws at the input/output terminal board. See Fig. 8-1.
4. Remove one nut and one screw at the record/playback P.W.B. See Fig. 8-3.
5. Withdraw the record/playback P.W.B., and remove two screws and two tabs at the angle supporting the volume P.W.B. See Fig. 8-4.
6. Remove two tabs at the APLD switch P.W.B. Thus it is possible to detach the record/playback P.W.B. and volume P.W.B. from the main frame. See Fig. 8-4.

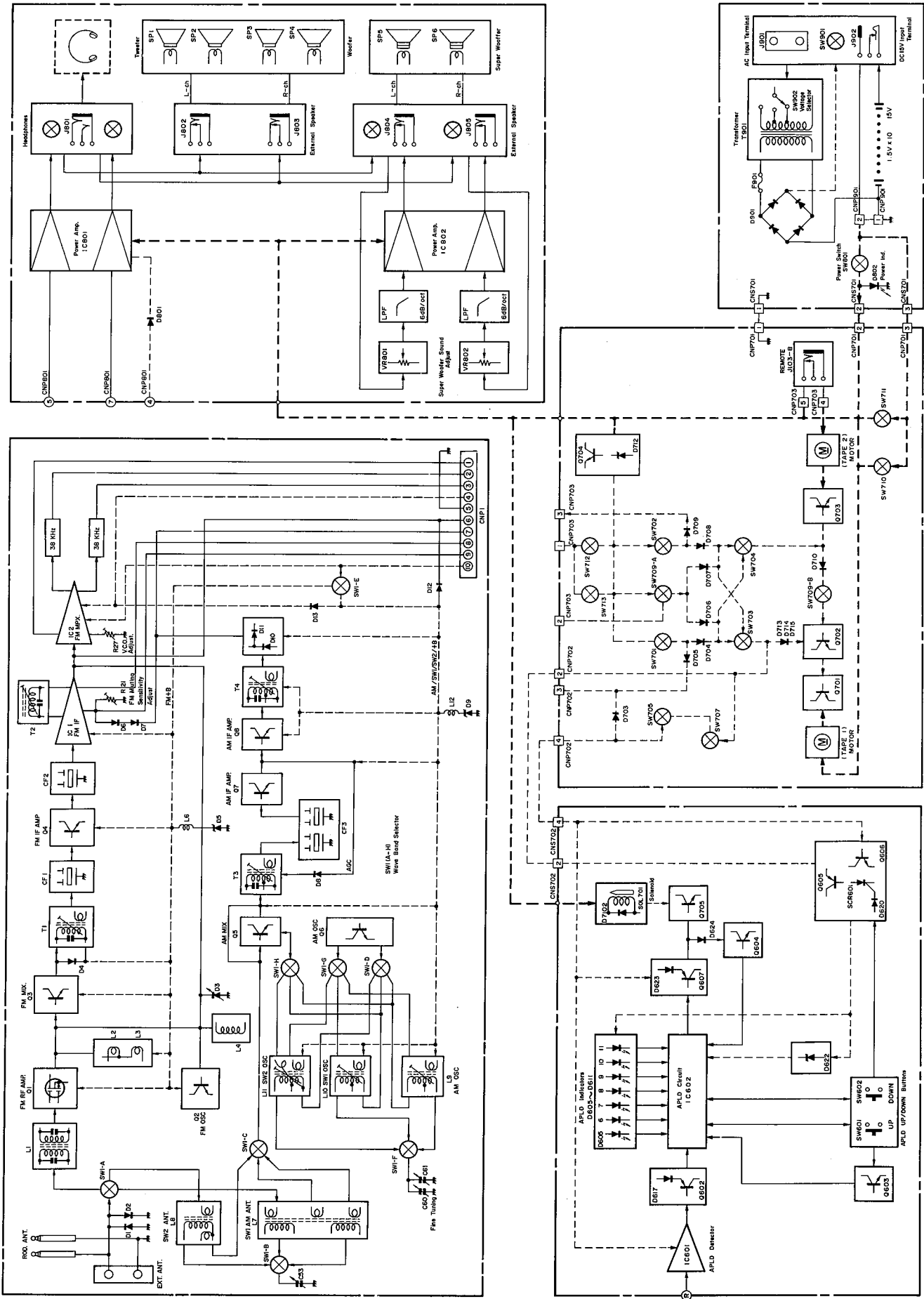


Figure 10 BLOCK DIAGRAM

MECHANICAL ADJUSTMENT

Pinch Roller Pressure Check

- 1) Set the unit in play mode.
- 2) Push a tension gauge (0 to 500 g) into the pinch roller lever to make the pinch roller off the capstan, and release the gauge applied force gently so that the pinch roller sets back to the capstan (the pinch roller again rotates).

At the time, the tension gauge reading must be 300 to 380 g.

- 3) If the step 2) is unsatisfied, bend the pinch roller pressure spring properly, or renew it.

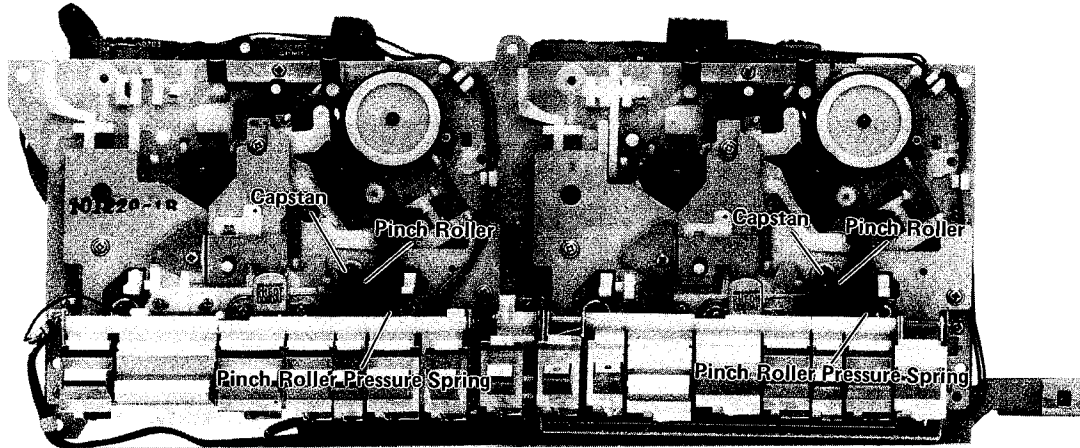
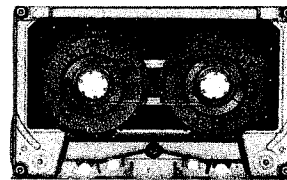


Figure 11-1

■ TORQUE CHECK AT PLAY, FAST FORWARD AND REWIND MODES

Put a torque meter cassette in the cassette compartment of the set, and see that the measured torque in each mode is normal as follows:

Mode	Torque meter cassette	Measured torque
Playback	TW-2111	35 ~ 60 gram-cm
Fast-forward	TW-2231	90 ~ 135 gram-cm
Rewind	TW-2231	90 ~ 135 gram-cm



TW-2231



TW-2111

Figure 11-2

■ GAP CHECK OF PINCH ROLLER LEVER

Place the set in play mode, and see that the pinch roller lever moves to create the gaps (A), (B) and (C) as shown in Fig. 11-3.

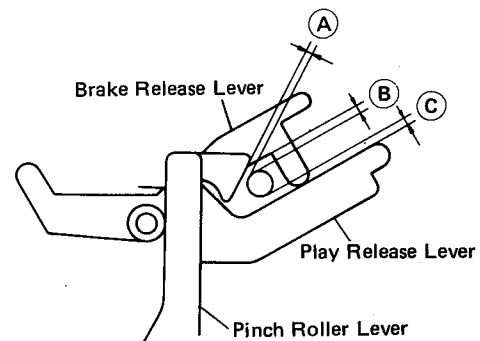


Figure 11-3

Tape Speed Adjustment

- 1) Reproduce a test tape (TEAC, MTT-111, 3 kHz-prerecorded) — the playback must be at the middle of the tape but not at either the beginning or the end.
- 2) Connect a wow/flutter meter, across a 100K ohm resistor, to the line output socket.
- 3) Adjust the semi-variable resistor, using a plastic screwdriver via the hole at the motor unit bottom, so that the playback frequency will be 2,985 to 3,015 Hz (Deck 1) and 2,970 to 3,000 Hz (Deck 2).

Note:

The motor pulley, flywheel drive belt, flywheel, take-up pulley, take-up idler and take-up turntable, etc. must be free of any contamination.

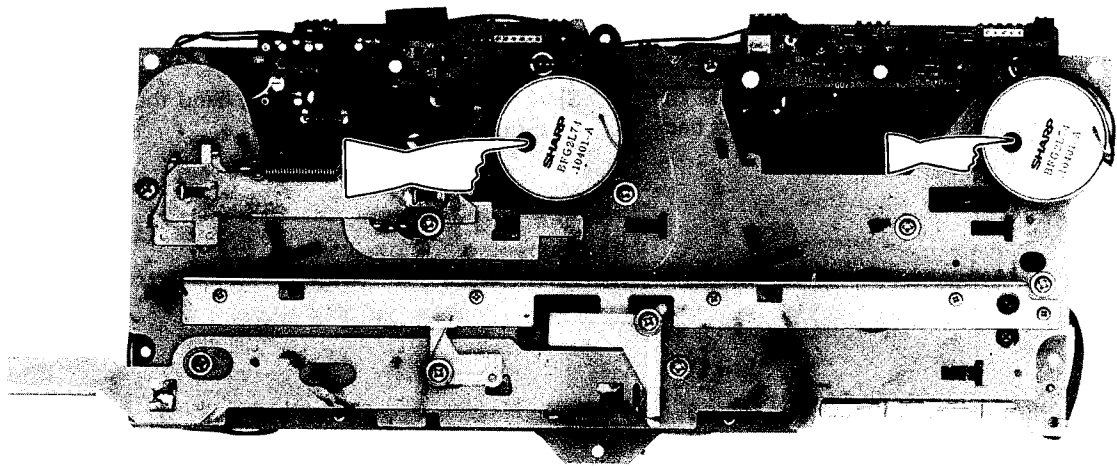


Figure 12-1

ELECTRICAL ADJUSTMENT

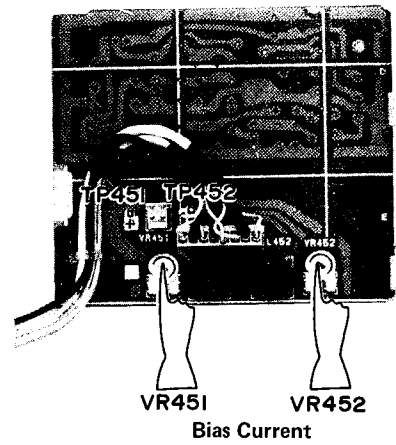


Figure 12-3

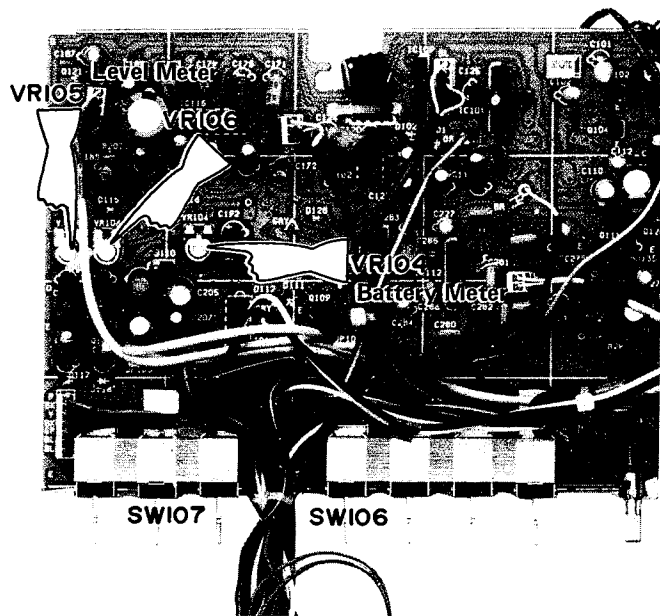


Figure 12-2

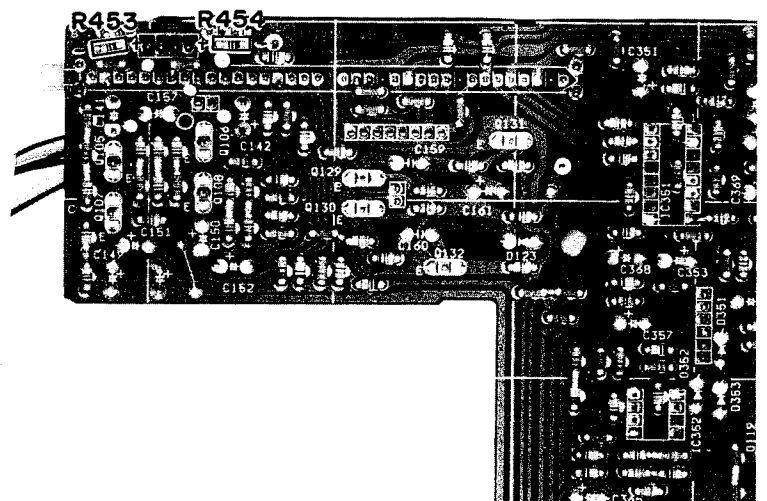


Figure 12-4

Record Amplifier Bias Current/Bias Oscillator Frequency Adjustment

- 1) Connect a VTVM to both ends of the resistor (R453 or R454) on the record/playback amp. printed wiring board.
- 2) Set the function selector switch to "tape", the deck-2 tape selector switch to "Normal" and the best interference canceller switch to "A" position.
- 3) Connect an oscilloscope (the vertical input) to the output of VTVM, and an audio generator to the oscilloscope (the horizontal input).
- 4) Place the unit in record mode, and check that the bias oscillator frequency, on the oscilloscope Lissajou's figure, is 76 to 84 kHz. Next by setting the beat interference canceller switch to "B" and "C" positions, the range of that frequency must be within -1.5 ± 1.0 kHz and -6 ± 1.5 kHz in respective positions.
- 5) Adjust the bias current adjust semi-variable resistor (VR451 or VR452) so that the VTVM reads 4.4 mV.

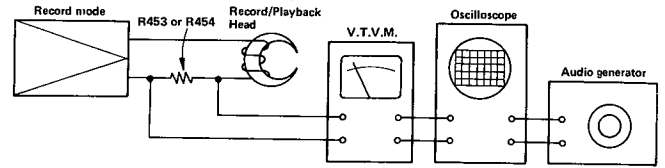


Figure 13-1

Erase Current Check

- 1) Connect the VTVM between the test point TP451 and TP452.
- 2) Set the function selector switch to "tape", the deck-2 tape selector switch to "Metal" positions.
- 3) Place the unit in record mode, and check the at the VTVM is reading 135 to 185 mV.

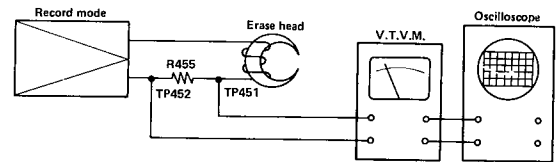
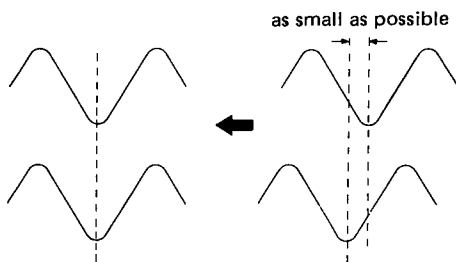


Figure 13-2

Record/Playback Head Azimuth Adjustment

- 1) Connect a VTVM, across a 50K ohm resistor, to the line output socket.
- 2) Set the function selector switch to "tape" position.
- 3) Put a test tape (TEAC, MTT-114, 10 kHz, 250 pWb/mm, -10 dB prerecorded) into the unit, and play it.
- 4) Adjust the head azimuth adjusting screw so that sine waveform attains the maximum and the same phase in right and left.



Note:

For some heads, there may be a phase difference between right and left channels when the output is made maximum. In this case, adjust the head azimuth so that such phase difference will be as small as possible while keeping the output still maximum.

Tighten the screw in the proper direction by using the adjusting screw.

- 5) Even without using the oscilloscope, also adjust the head azimuth adjusting screw so that outputs of both the right and left channels attain the maximum and the same phase in right and left.

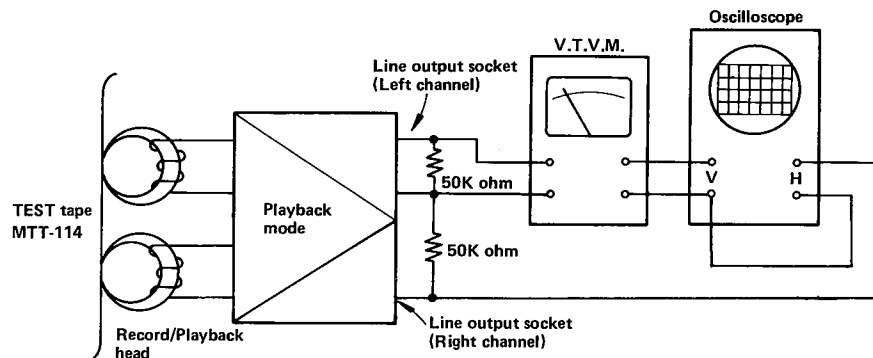


Figure 13-3

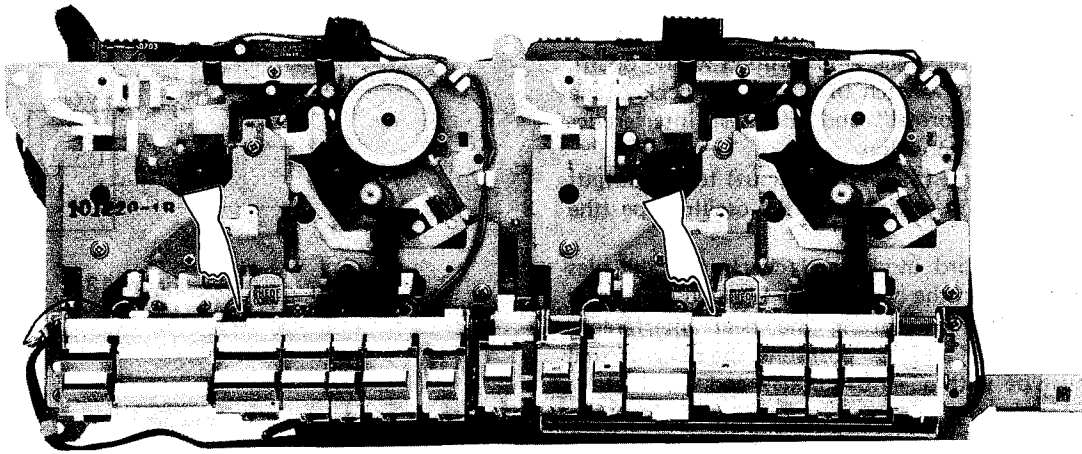


Figure 14-1

Battery Condition Meter Sensitivity Adjustment

- 1) Connect a regulated power supply (DC 15V) to the battery terminal.
- 2) Set the function selector switch to "tape" position.
- 3) Place the unit in playback mode, and set the meter selector Dial Light switch to "tune/batt/on" position.
- 4) Reduce this supply voltage, slowly, until the voltage, when the pointer on the battery meter in the "0" position, must remain at 10.0 to 10.8V and the Meter illumination lamp must light, then.
- 5) If such voltage is lower than 9.9V, correct it by using the semi-variable resistor (VR104) on the printed wiring board.

Note:

This adjustment shall be after "VU Indicator Sensitivity Adjustment".

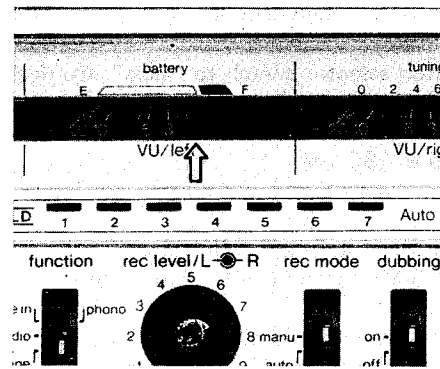


Figure 14-2

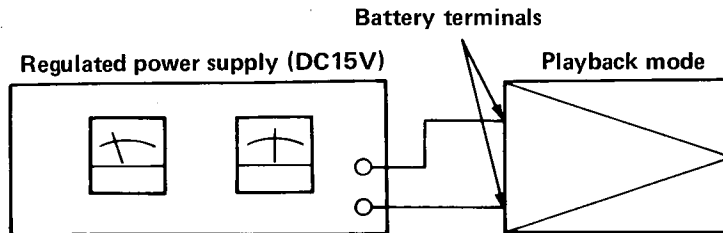


Figure 14-3

VU Meter Sensitivity Adjustment

- 1) Connect a VTVM to both ends of the resistor (R453 or R454) on the record/playback amp. printed wiring board.
- 2) Set the function selector switch to "tape" and the recording mode selector switch to "manual" position.
- 3) Short pins ④ and ⑥ at the secondary side of the bias oscillation coil (L801) to stop the oscillation.
- 4) Connect an audio generator (1 kHz) to the external microphone input socket, line/phono input socket, and mixing microphone socket in order, and check their recorded

outputs according the following step 5) and 6).

Caution:

For the input to the external microphone input socket, it must be applied across the right and left channels.

- 5) Adjust the recording control knob so that the VTVM indicates 0.4 mV.
- 6) Adjust the meter sensitivity adjusting semi-variable resistor (VR105 or VR106) so that the pointer of the level meter may be in the "0" position.

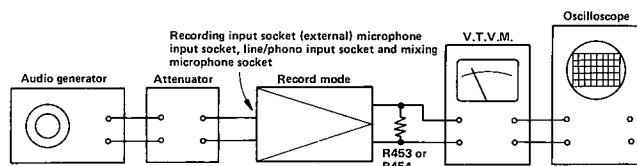


Figure 14-4

Record Amplifier Sensitivity Check

- 1) Connect a VTVM to both ends of the resistor (R453 or R454) on the record/playback amp. printed wiring board.
- 2) Short pins ④ and ⑥ at the secondary side of the bias oscillation coil (L801) to stop the oscillation.
- 3) Set the function selector switch to "tape" and the deck-2 tape selector switch to "normal" position.
- 4) Place the unit in record mode, and check if the VTVM reading becomes 0.2mV with the respective inputs tabulated below – the input oscillation frequency is set to 1 kHz and 0 dB = 1 V is assumed.

Note:

For the input to the external microphone input socket, it must be applied across the right and left channels.

Sockets	Inputs
External microphone input	0.09mV ~ 0.178mV (-78 ±3dB)
Mixing microphone	0.9mV ~ 1.8mV (-58 ±3dB)
Line input	0.06V ~ 0.13V (-21 ±3dB)
Phono input	1.0mV ~ 2.0mV (-57 ±3dB)

Playback Amplifier Sensitivity Check

- 1) Connect a VTVM, across a 4 ohm resistor, to the external speaker socket.
- 2) Set the function selector switch to "tape", the treble/bass tone control knob to "center" and the volume control knob to "10/max." position.
- 3) Reproduce a test tape (TEAC, MTT-118, 1 kHz, 250 pWb/mm, -10 dB prerecorded).
- 4) At the time, the VTVM must read approx. 2.0V.
- 5) Then connect the VTVM to the line output socket and the deck-1 monitor output socket in order, then the VTVM reading must be approx. 200mV for the former, and approx. 10mV for the latter.

Note:

For measuring the output from the deck-1 monitor output socket, the test tape be played through the use of the deck-1.

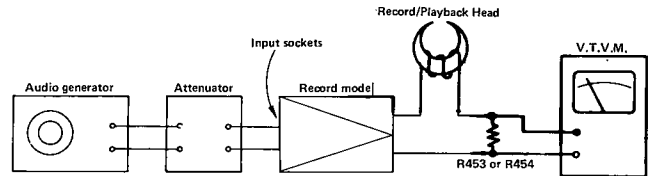


Figure 15-1

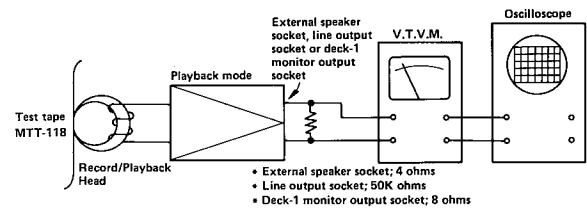


Figure 15-2

Record/Playback Sensitivity Check

- 1) Connect a VTVM, across a 4 ohm resistor, to the external main speaker socket.
- 2) Set the function selector switch to "tape", the deck-2 tape selector switch to "normal", the treble/bass tone control knob to "center", the volume control knob to "10/max.", the recording level control knob to "max." and the recording mode selector switch to "manual", position.
- 3) Connect an audio generator to the external microphone input sockets of both channels, and apply a 1 kHz signal of output level -78 dB (0.126 mV, 0 dB = 1 V) to these sockets at a time.
- 4) Record this signal on a normal tape (TEAC, MTT-502).
- 5) Reproduce this recorded tape, then the VTVM must read approx. 1.5 V.

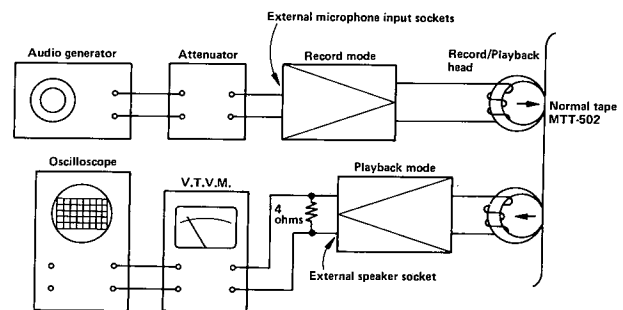


Figure 15-3

GENERAL ALIGNMENT INSTRUCTION

Should it become necessary at any time to check the alignment of this receiver, proceed as follows:

1. Set the volume control (VR508) to maximum.
2. Attenuate the signals from the generator enough to swing the most sensitive range of the output meter.
3. Use a non-metallic alignment tool.
4. Repeat adjustments to insure good results.
5. Set the function selector switch (SW102) to "radio" position.
6. Set the fine tuning control (C60) to mechanical center position.

AM IF/RF ALIGNMENT

(Refer to Figure 17-9)

STEP	BAND	TEST STAGE	SIGNAL GENERATOR		RECEIVER		ADJUSTMENT
			CONNECTION TO RECEIVER	INPUT SIGNAL FREQUENCY	DIAL SETTING	REMARKS	
1	AM	IF	Refer to Figure 17-1.	Exactly 455kHz. (Unmodulated)	High end of dial. (minimum capacity)	Adjust for best "IF" curve	Adjust the AM IF transformers. (T3), (T4)
2	AM	Band Coverage	Refer to Figure 17-2.	Exactly 510kHz. (400Hz, 30%, AM modulated)	Low end of dial. (maximum capacity)	Adjust for maximum output.	Adjust the AM oscillation coil (L9).
3	AM		Same as step 2.	Exactly 1650kHz. (400Hz, 30%, AM modulated)	High end of dial. (minimum capacity)	Same as step 2.	Adjust the AM oscillation trimmer (C71).
4	AM	Tracking	Same as step 2.	Exactly 600kHz. (400Hz, 30%, AM modulated)	600kHz.	Same as step 2.	Adjust the AM bar antenna coil (L7). See Note A .
5	AM		Same as step 2.	Exactly 1400kHz. (400Hz, 30%, AM modulated)	1400kHz.	Same as step 2.	Adjust the AM antenna trimmer (C58).
6	AM	Repeat step 2, 3, 4 and 5 until no further improvement can be made.					
7	SW ₁	Band Coverage	Refer to Figure 17-3.	Exactly 2.25MHz. (400Hz, 30%, AM modulated)	Low end of dial. (maximum capacity)	Same as step 2.	Adjust the SW ₁ oscillation coil (L10).
8	SW ₁		Same as step 7.	Exactly 7.4MHz. (400Hz, 30%, AM modulated)	High end of dial. (minimum capacity)	Same as step 2.	Adjust the SW ₁ oscillation trimmer (C69).
9	SW ₁	Tracking	Same as step 7.	Exactly 2.6MHz. (400Hz, 30%, AM modulated)	2.6MHz.	Same as step 2.	Adjust the SW ₁ bar antenna coil (L7). See Note A .
10	SW ₁		Same as step 7.	Exactly 6.0MHz. (400Hz, 30%, AM modulated)	6.0MHz.	Same as step 2.	Adjust the SW ₁ antenna trimmer (C56).
11	SW ₁	Repeat steps 7, 8, 9 and 10 until no further improvement can be made.					
12	SW ₂	Band Coverage	Same as step 7.	Exactly 7.2MHz. (400Hz, 30%, AM modulated)	Low end of dial. (maximum capacity)	Same as step 2.	Adjust the SW ₂ oscillation coil (L11).
13	SW ₂		Same as step 7.	Exactly 22.5MHz. (400Hz, 30%, AM modulated)	High end of dial. (minimum capacity)	Same as step 2.	Adjust the SW ₂ oscillation trimmer (C67).
14	SW ₂	Tracking	Same as step 7.	Exactly 8.5MHz. (400Hz, 30%, AM modulated)	8.5MHz.	Same as step 2.	Adjust the SW ₂ antenna coil (L8).
15	SW ₂		Same as step 7.	Exactly 19MHz. (400Hz, 30%, AM modulated)	19MHz.	Same as step 2.	Adjust the SW ₂ antenna trimmer (C54).
16	SW ₂	Repeat steps 12, 13, 14 and 15 until no further improvement can be made.					

Note A Check the alignment of the receiver antenna coil by bringing a piece of ferrite (such as a coil slug) near the antenna loop stick, then a piece of brass. If ferrite increases output, loop requires more inductance. If brass increases output, loop

requires less inductance. Change loop inductance by sliding the bobbin toward the center of ferrite core to increase inductance, or away to decrease inductance.

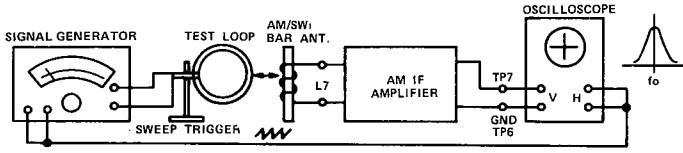


Figure 17-1

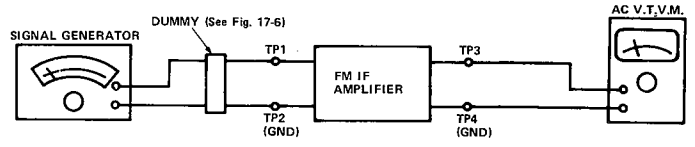


Figure 17-5

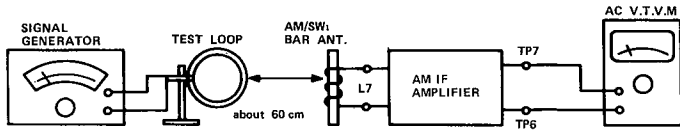


Figure 17-2

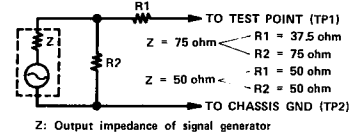


Figure 17-6 FM DUMMY

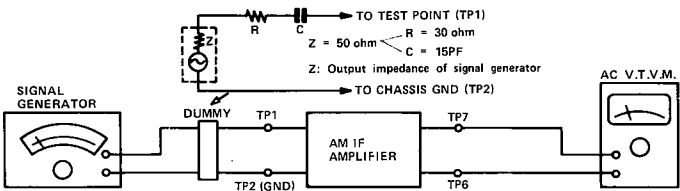


Figure 17-3

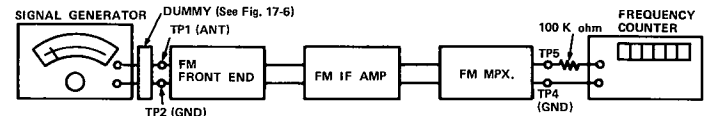


Figure 17-7

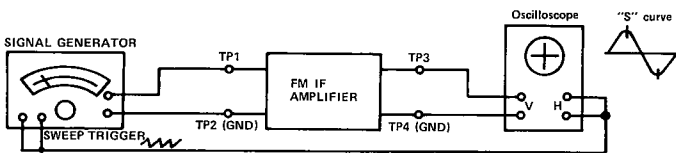


Figure 17-4

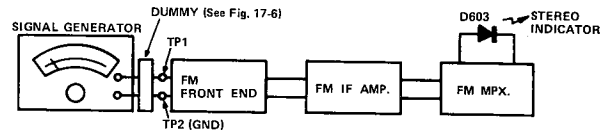


Figure 17-8

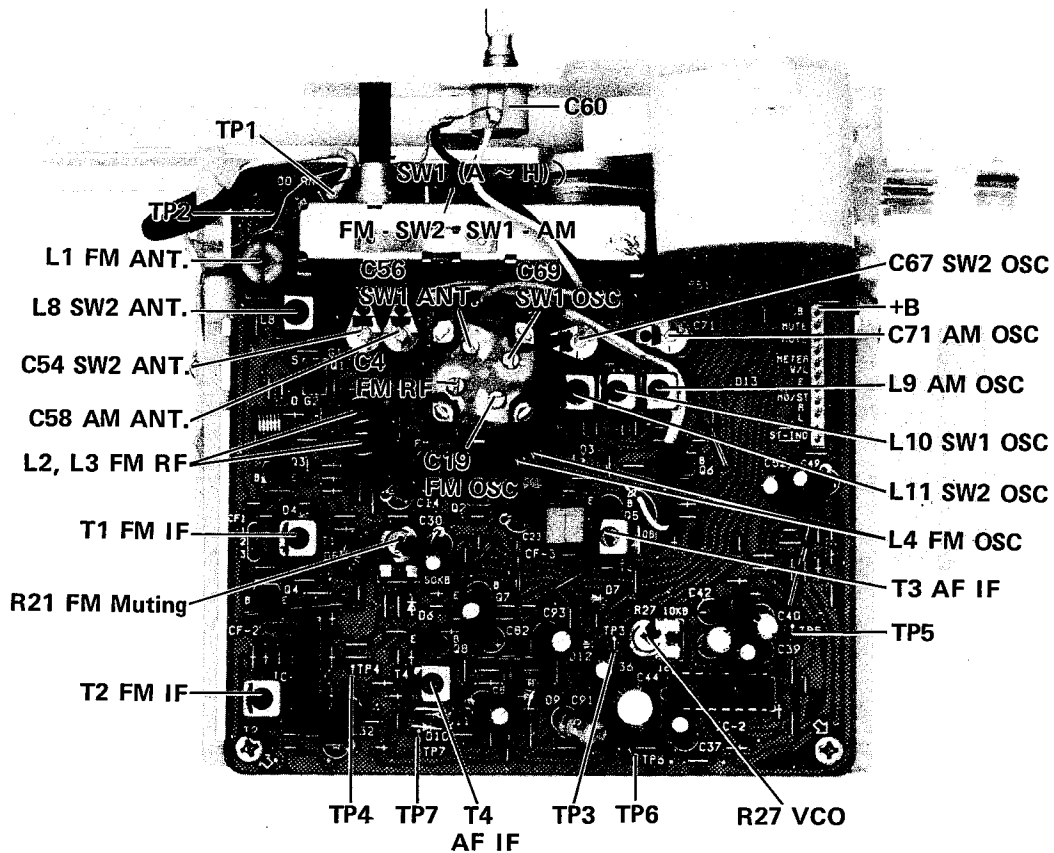


Figure 17-9

FM IF/RF ALIGNMENT

- Set the wave-band selector switch (SW1) to "FM" position.
- Set the FM mode/FM mute switch (SW108) to "stereo" position.

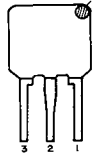
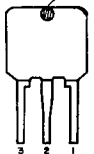
(Refer to Figure 17-9)

STEP	BAND	TEST STAGE	SIGNAL GENERATOR		RECEIVER		ADJUSTMENT
			CONNECTION TO RECEIVER	INPUT SIGNAL FREQUENCY	DIAL SETTING	REMARKS	
1	FM	IF See Note B	Refer to Figure 17-4.	Exactly 10.7MHz. (Unmodulated)	High end of dial. (minimum capacity)	Adjust for best "S" curve.	Adjust the FM IF transformers 1. (T1) 2. (T2)
2	FM	Band Coverage	Refer to Figure 17-5 and 17-6.	Exactly 87.1MHz. (400Hz, 30%, FM modulated)	Low end of dial. (maximum capacity)	Adjust for maximum output.	Adjust the FM oscillation coils (L4).
3			Same as step 2.	Exactly 109MHz. (400Hz, 30%, FM modulated)	High end of dial. (minimum capacity)	Same as step 2.	Adjust the FM oscillation trimmer (C19).
4	FM	Tracking	Same as step 2.	Exactly 88MHz. (400Hz, 30%, FM modulated)	88MHz.	Same as step 2.	Adjust the FM RF coils (L2, L3).
5			Same as step 2.	Exactly 108MHz. (400Hz, 30%, FM modulated)	108MHz.	Same as step 2.	Adjust the FM RF trimmer (C4).
6	FM	Repeat steps 2, 3, 4 and 5 until no further improvement can be made.					

Note B

There are 5 kinds of ceramic filters (CF1, CF2) available with this unit and they are given color indication as tabulated below to differentiate the central frequency from one to another among them. When using them, be sure to make the two of the same type a pair.

When other ceramic filters than the one (red) having the central frequency of 10.7 MHz are used, note that a marker (10.7 MHz) of FM sweep generator, if used, will be deviated — therefore, adjust the generator by putting off the marker.

	Color Mark	Color Mark	Color Mark
1. Input 2. GND 3. Output	 (GF-777)	 (GF-777Z)	
Central frequency (fo)	D	Black:	10.64MHz ±30kHz
	B	Blue:	10.67MHz ±30kHz
	A	Red:	10.70MHz ±30kHz
	C	Orange:	10.73MHz ±30kHz
	E	White:	10.76MHz ±30kHz

FM STEREO ALIGNMENT

- Set the function selector switch (SW102) to "radio" position and FM mode/FM mute switch (SW108) to "stereo/mute" position.

STEP	SIGNAL GENERATOR		RECEIVER		ADJUSTMENT
	CONNECTION TO RECEIVER	INPUT SIGNAL FREQUENCY	DIAL SETTING	REMARKS	
1	Refer to Figures 17-6 and 17-7.	Exactly 98MHz (54dB) unmodulated.	98MHz	Adjust for 19 ±0.1kHz.	Turn the FM muting sensitivity adjusting semivariable resistor (R21) fully counterclockwise. Adjust the semi-variable resistor (R27)

FM STEREO INDICATOR LIGHTING LEVEL ALIGNMENT

- Set the function selector switch (SW102) to "radio" position and FM mode/FM mute switch (SW108) to "stereo/mute" position.

STEP	BAND	FM STAGE	SIGNAL GENERATOR		RECEIVER		ADJUSTMENT
			CONNECTION TO RECEIVER	INPUT SIGNAL FREQUENCY	DIAL SETTING	REMARKS	
1	FM	Stereo	Refer to Figures 17-6 and 17-8.	Exactly 98MHz (20dB). (19kHz, 10%, FM modulated)	98MHz	Adjust for the indicator starts lighting.	Adjust the semi-variable resistor (R21).

NOTES ON SCHEMATIC DIAGRAM

Ref. No.	Names of Switch	Switch Position
SW1 (A, B)	Wave Band Selector Switch	FM-SW ₂ -SW ₁ -AM
SW101 (A ~ L)	Reord/Playback Switch	Playback-Record
SW102 (A, B)	Function Switch	Tape-Radio-Line in/Phono
SW103 (A ~ D)	Recording Mode Switch	Manual-Auto
SW104 (A)	Dubbing Switch	on-off
SW105 (A, B)	Deck 1 Tape Selector Switch	Metal/CO ₂ -normal
SW106 (A, B)	Deck 2 Tape Selector Switch	Metal-CO ₂ -normal
SW107 (A ~ D)	Meter Selector/Dial Light Switch	VU/off-Tune/Batt/on
SW108 (A, B)	FM Mode/FM Muting Switch	Stereo/Mute-Stereo-Mono
SW301	SNRS Switch	on-off
SW401 (A, B)	Input Selector Switch	Line in-Phono
SW501 (A ~ D)	Mixing Switch	Radio/Echo/on-on/off-off/off
SW502 (A, B)	Loudness Switch	on-off
SW601	APLD UP Switch	on-off
SW602	APLD DOWN Switch	on-off
SW701	Deck 1 Main Switch	on-off
SW702	Deck 2 Main Switch	on-off
SW703	Deck 1 Main Switch	on-off
SW704	Deck 2 Main Switch	on-off
SW705	Deck 1 APLD Switch	on-off
SW707	Deck 1 APLD Cut Switch	on-off
SW709 (A, B)	Deck Mode Selector Switch	1 \leq 2-1 or 2
SW710	Deck 1 Main Switch	on-off
SW711	Deck 2 Main Switch	on-off
SW712	Editing Switch	on-off
SW713	Pause Switch	on-off
SW801	Power Switch	on-off
SW806 (A, B)	Beat Interference Cancelling Switch	A-B-C
SW901	AC/DC Selector Switch	AC-DC
SW902	AC Supply Voltage Selector Switch	110 ~ 120-210 ~ 220-230 ~ 240V (GF-777Z) 120-220-240V (GF-777)

- Parts marked with "△" () are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.
- To differentiate the units of resistors, such symbols as K and M are used: the symbol K means 1000 ohms and the symbol M means 1 Meg. ohm (1/4 W).
- 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).

SERVICING OF LEG-LESS TYPE RESISTORS AND CAPACITORS

The leg-less type resistors and capacitors are available in either of the tubular and square shapes, and here's their servicing

method different from that for the ordinary type of resistors and capacitors.

- As to electrolytic capacitor, the expression "capacitance/withstand voltage" is used.
- For voltages at each point of the tuner, they are indicated in parentheses for AM and the values without parentheses are for FM. In any case, the voltage is measured with no signal given, by using VTVM.
- Attention should be drawn to voltage and the relevant conditions below.
 - Audio voltage — in play mode and under no signal condition. Parenthesized parts voltage — under record condition. PHONO circuit voltage — in PHONO made ON position.

Removal of the Tubular-Shaped Tip

- Using a soldering iron, heat the solder at each terminal of the tip to get it absorbed into a braided wire applied thereon. See Fig. 20-1.
- Holding the tip with a pincette, take it off gently using the soldering iron's heat applied on each terminal of it. See Fig. 20-2.

Removal of the Square-Shaped Tips

- Using a soldering iron, heat the solder at each terminal of the tip to get it absorbed into a braided wire applied thereon. See Figure 20-3.
- Holding the tip with a pincette, take it off gently using the soldering iron's heat applied on each terminal of it. See Figure 20-4.

Cautions on removal:

- When handling the soldering iron, use a proper force and keep a careful manner.
- When removing the tip, do not use undue force with the pincette.
- The soldering iron in use should operate on AC 100V (400W); it is best if provided with a thermal control (240° or so).
- The tip once removed must not be used again.

Attachment of Tubular-Shaped Tip

- Temporarily solder one terminal of the tip on the copper foil surface. See Fig. 20-5.
- Holding one end of the tip with a pincette, completely solder both terminals of it one after another. See Fig. 20-6.

Attachment of Square-Shaped Tip

- Temporarily solder one terminal of the tip on the copper foil surface. See Fig. 20-7.
 - Holding one end of the tip with a pincette, completely solder both terminals of it one after another. See Fig. 20-8.
- Cautions on attachment:**
- When soldering the tip terminals, do not touch them directly with the soldering iron. The soldering must be as quick as possible being careful not to hurt the terminals and the body itself.
 - When touching the tip with a pincette, hold its terminal but never its body. See Figs. 20-6 and 20-8.
 - Keep the tip's body in contact with the P.W.B. when soldering.
 - The soldering iron in use should operate on AC 100V (40W); it is best if provided with a thermal control (240°C or so).
 - The soldering amount must be enough but not be outside the specified area.

General Cautions on Handling and Storage

- Oxidization on the tip's terminals results in poor soldering. Do not handle them with bare hands.
- For storage, avoid the following places where oxidization will occur and their capacitance or resistance will be deteriorated.
 - Sulfur or chlorine gas floating places
 - Directly sunlit places
 - High temperature/high humidity places

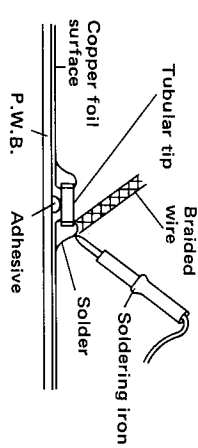


Figure 20-1

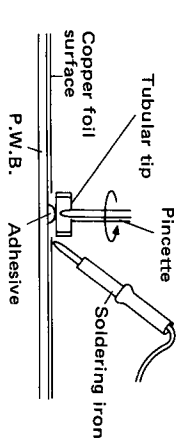


Figure 20-2

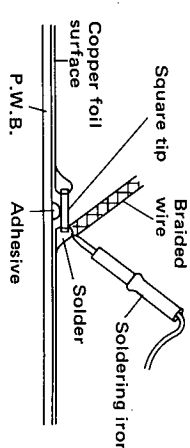


Figure 20-3

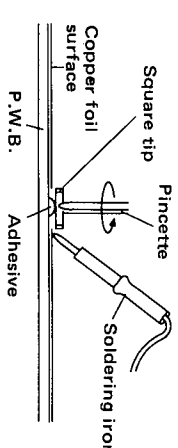


Figure 20-4

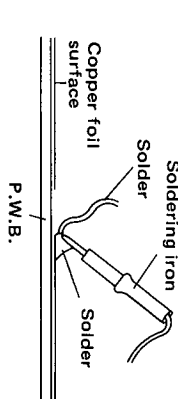


Figure 20-5

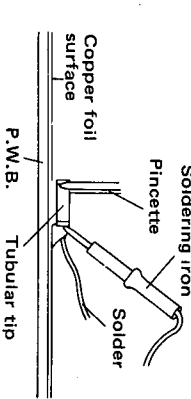


Figure 20-6

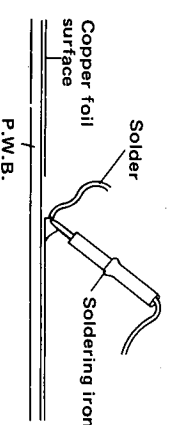


Figure 20-7

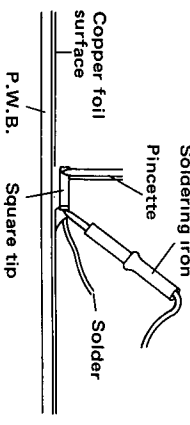
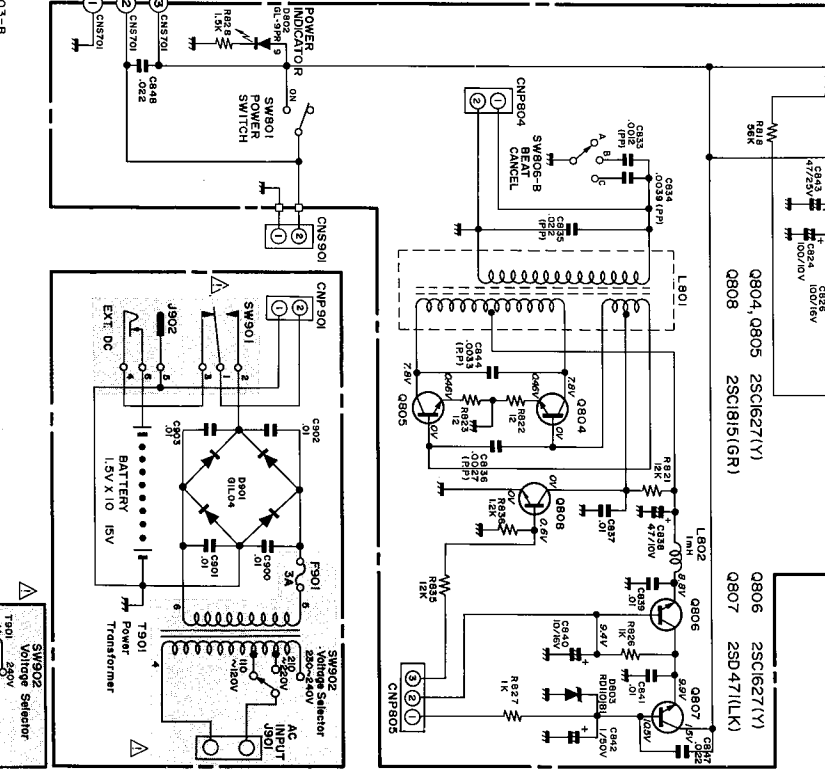
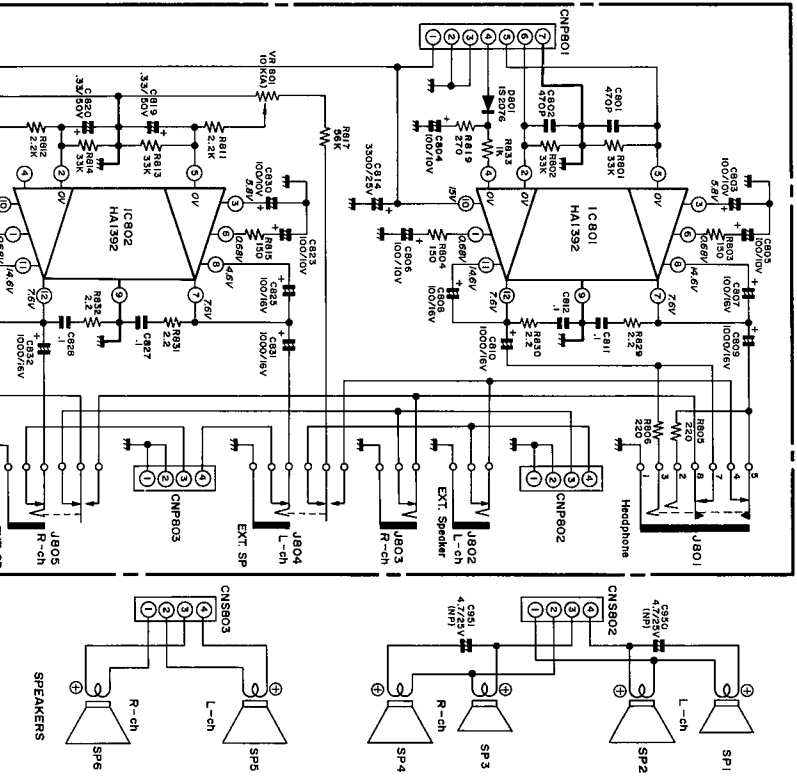
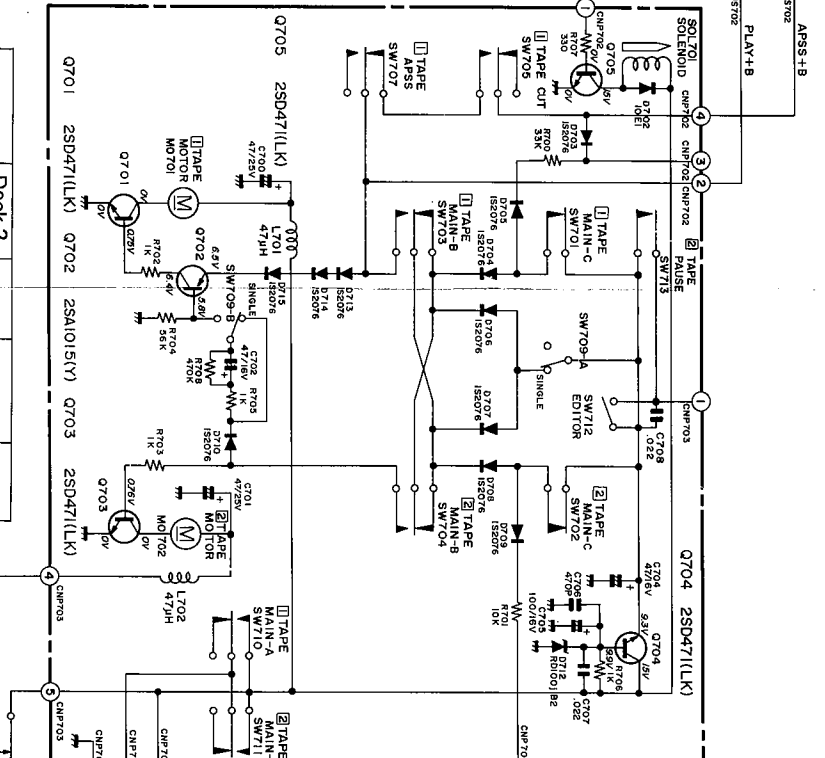
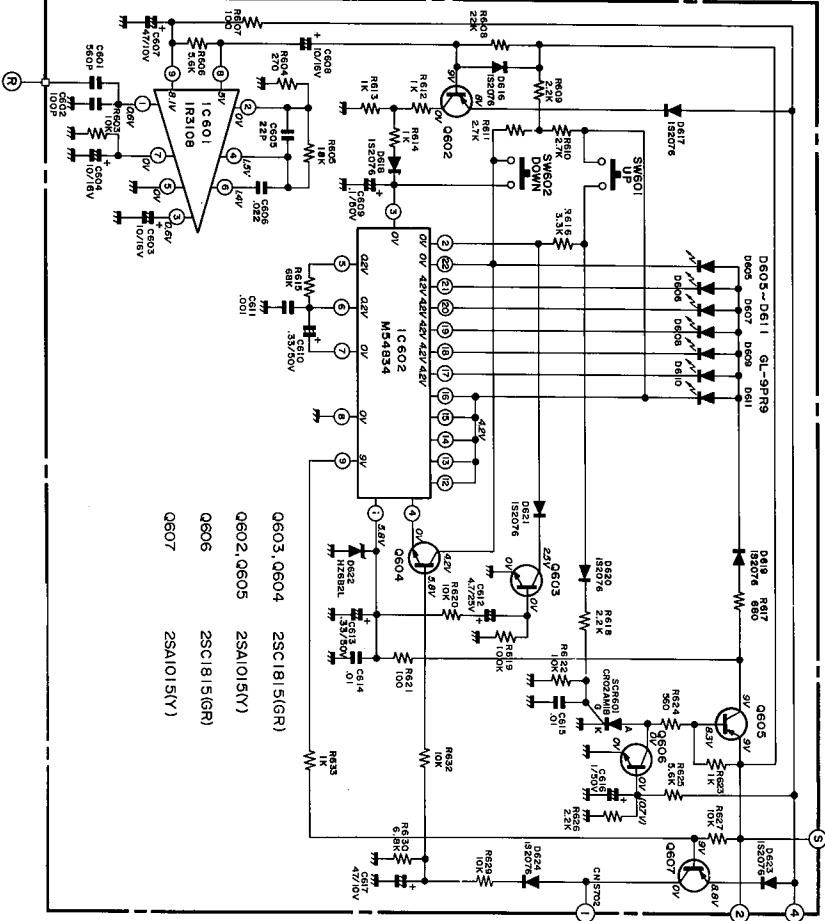
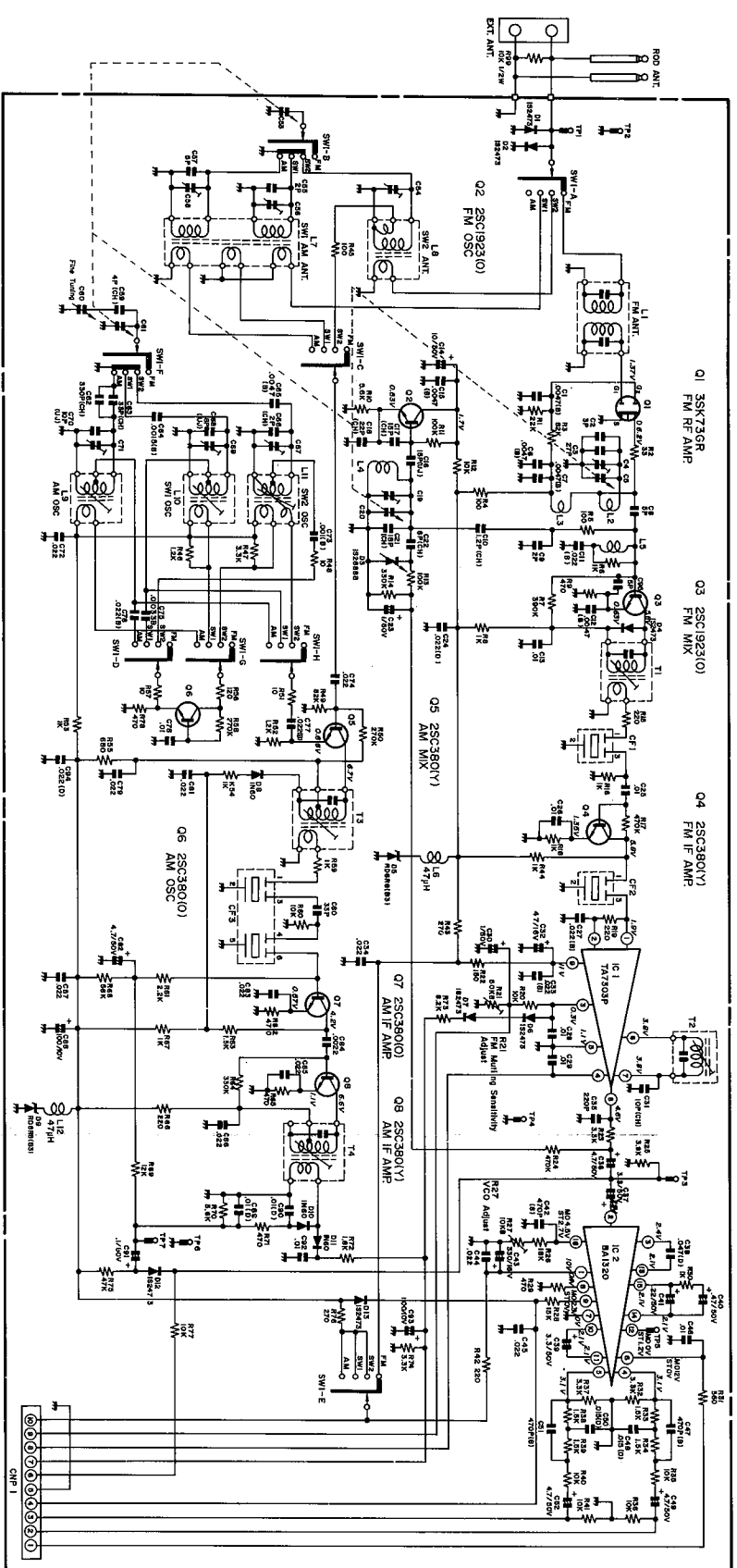


Figure 20-8



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

Transistor	Deck 2 Selector Switch	Emitter	Collector	Base
Q804	Metal	0.46V	7.8V	0V
	CrO ₂	0.32V	5.3V	0.15V
	Normal	0.22V	3.75V	0.3V
Q805	Metal	0.46V	7.8V	0V
	CrO ₂	0.32V	5.33V	0.14V
	Normal	0.22V	3.75V	0.3V



Figure 29 SCHEMATIC DIAGRAM (2/2)

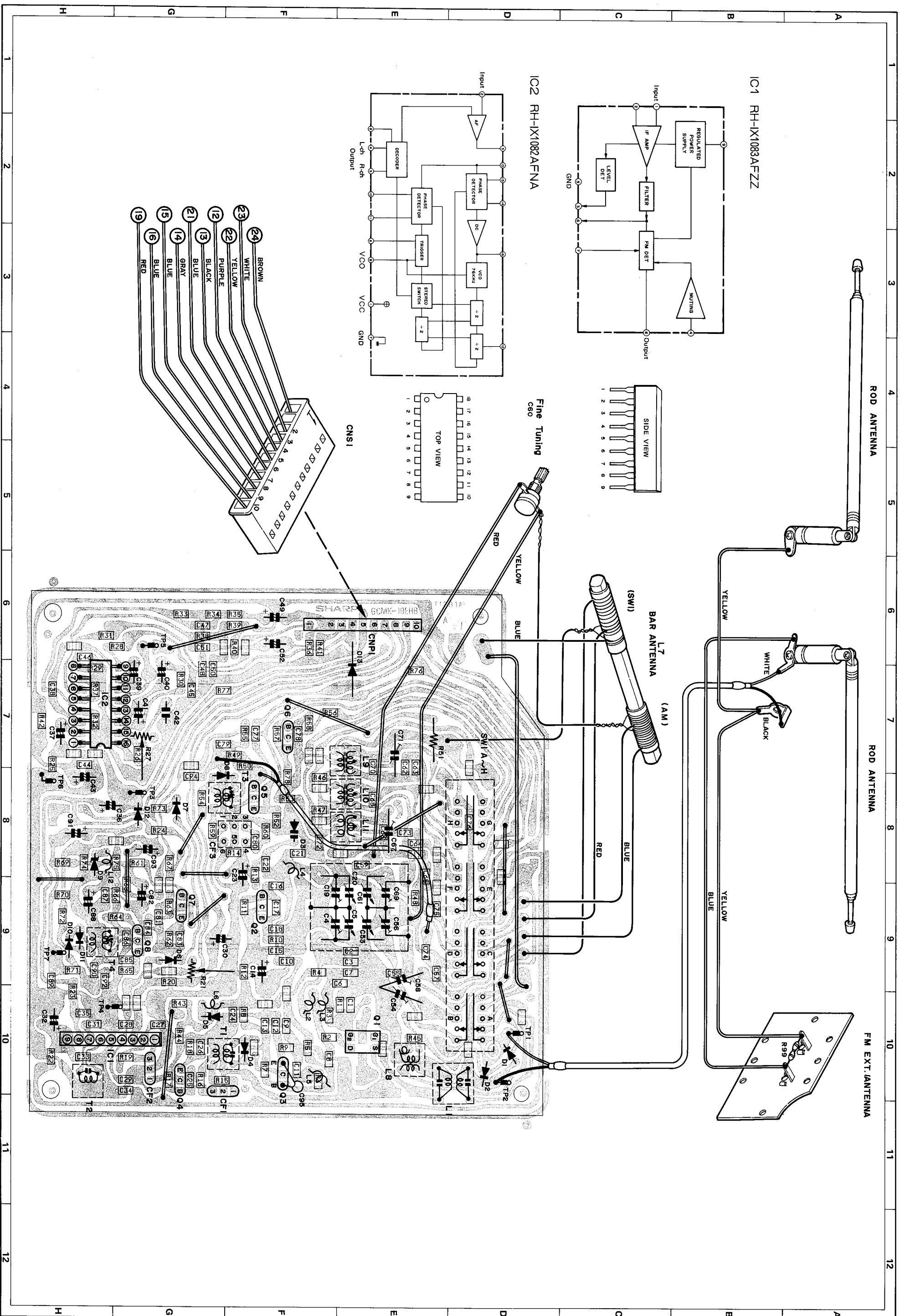


Figure 31 WIRING SIDE OF P.W. BOARD (5/6)

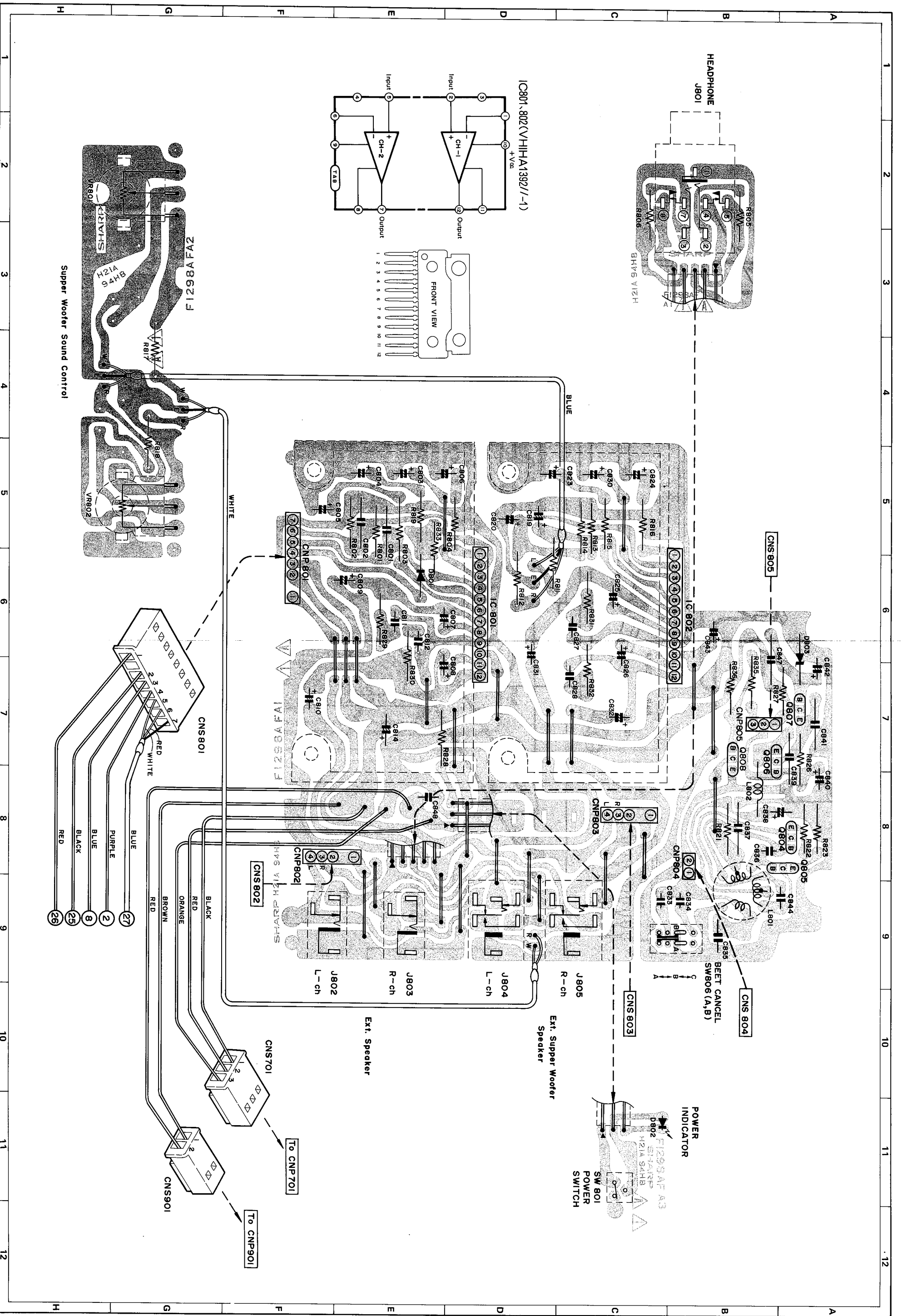


Figure 33 WIRING SIDE OF P.W. BOARD (6/6)

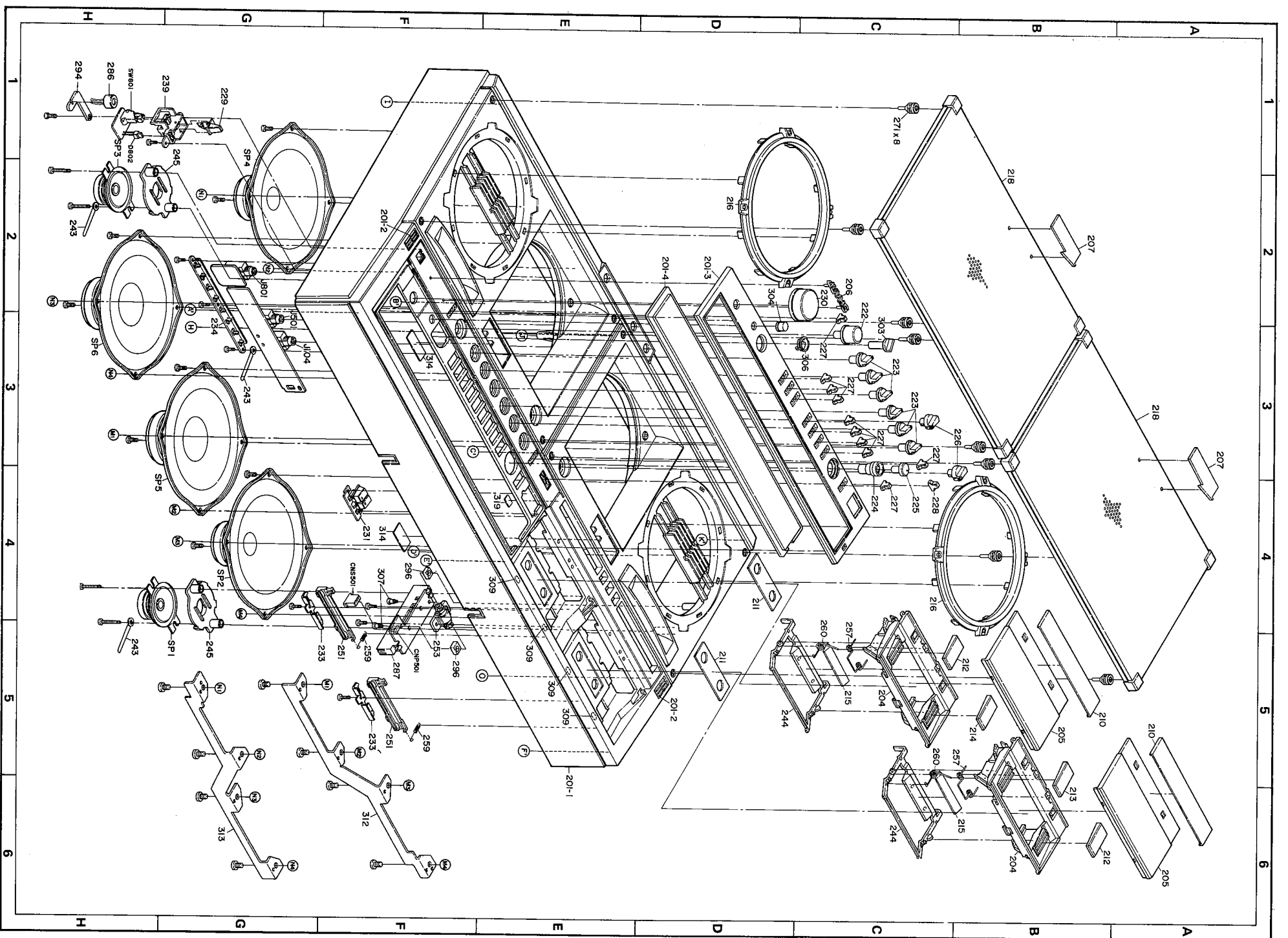
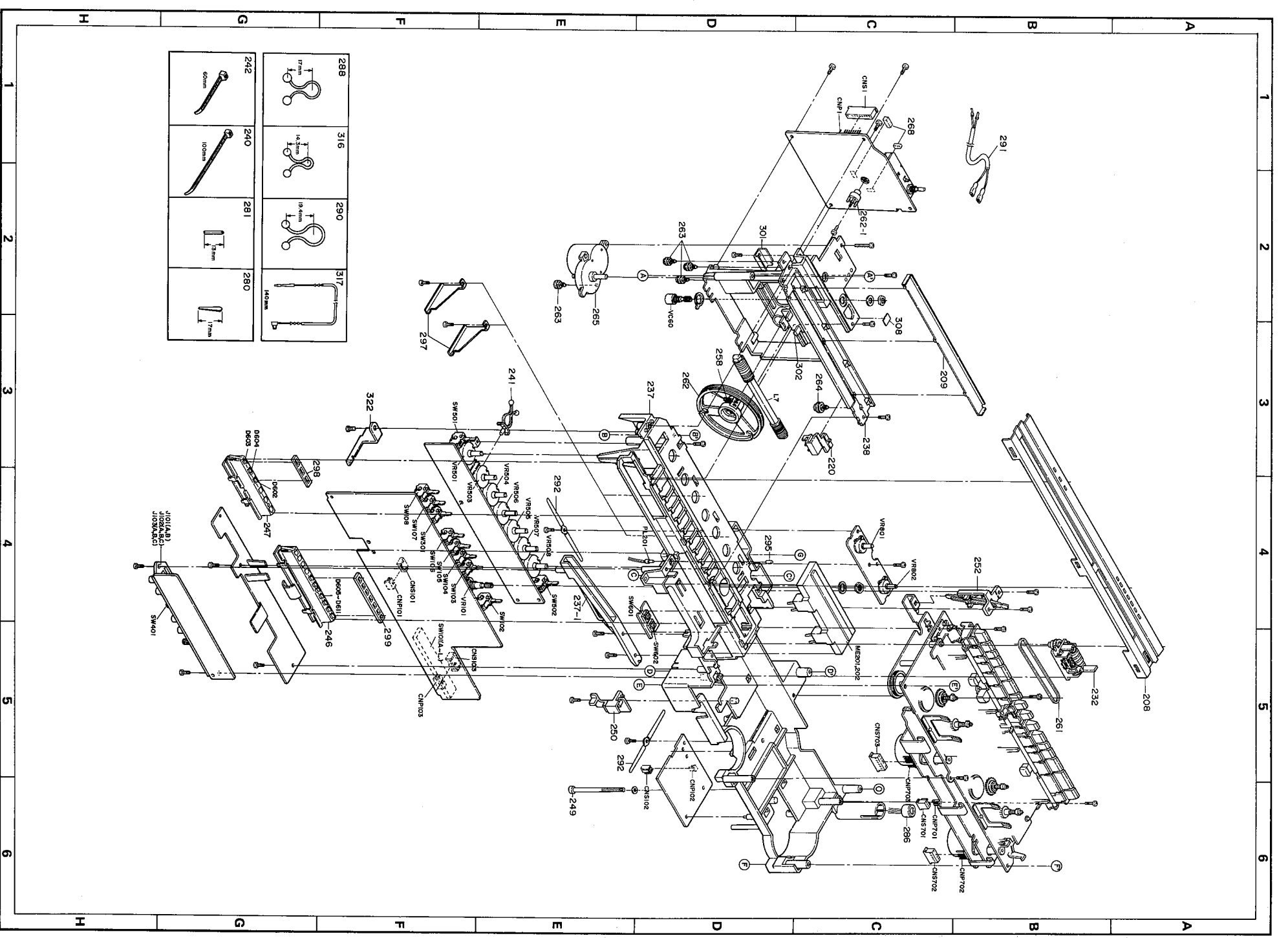


Figure 35 CABINET EXPLODED VIEW (1/3)











288	316	290	317
			
242	240	281	280
			

Figure 36 CABINET EXPLODED VIEW (2/3)

DIAL CORD STRINGING

1. Turn the drum fully counterclockwise, and set the cord in the numerical order from 1 to 9 as shown in Fig. 40-2.
2. Turn the tuning control knob driving shaft fully clockwise, and adjust the dial pointer to come into "0" position of the dial scale plate. See Fig. 40-1.

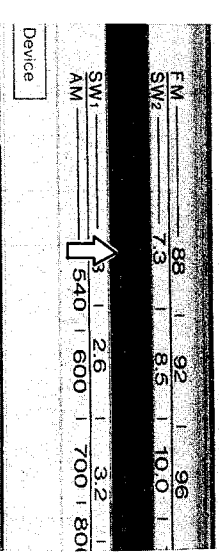


Figure 40-1

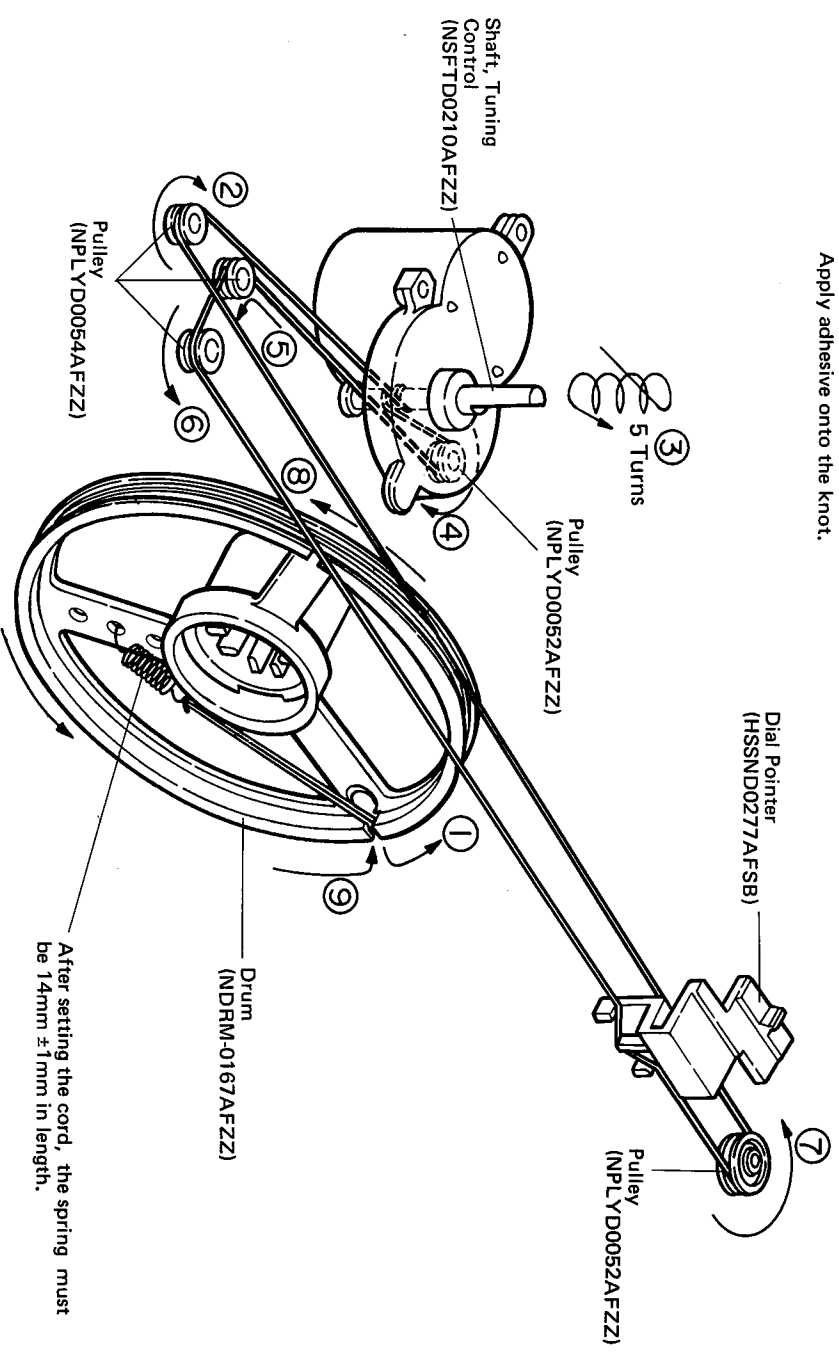
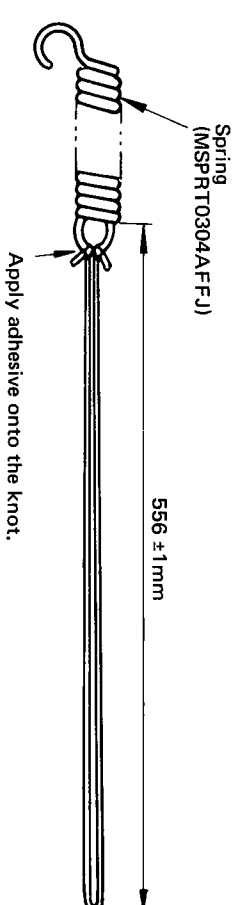


Figure 40-2

AC SUPPLY CORD

	QACCL0050AF00 (GF-777Z)
	QACCZ0051AF00 (GF-777Z)
	QACCD0051AF00 (GF-777)

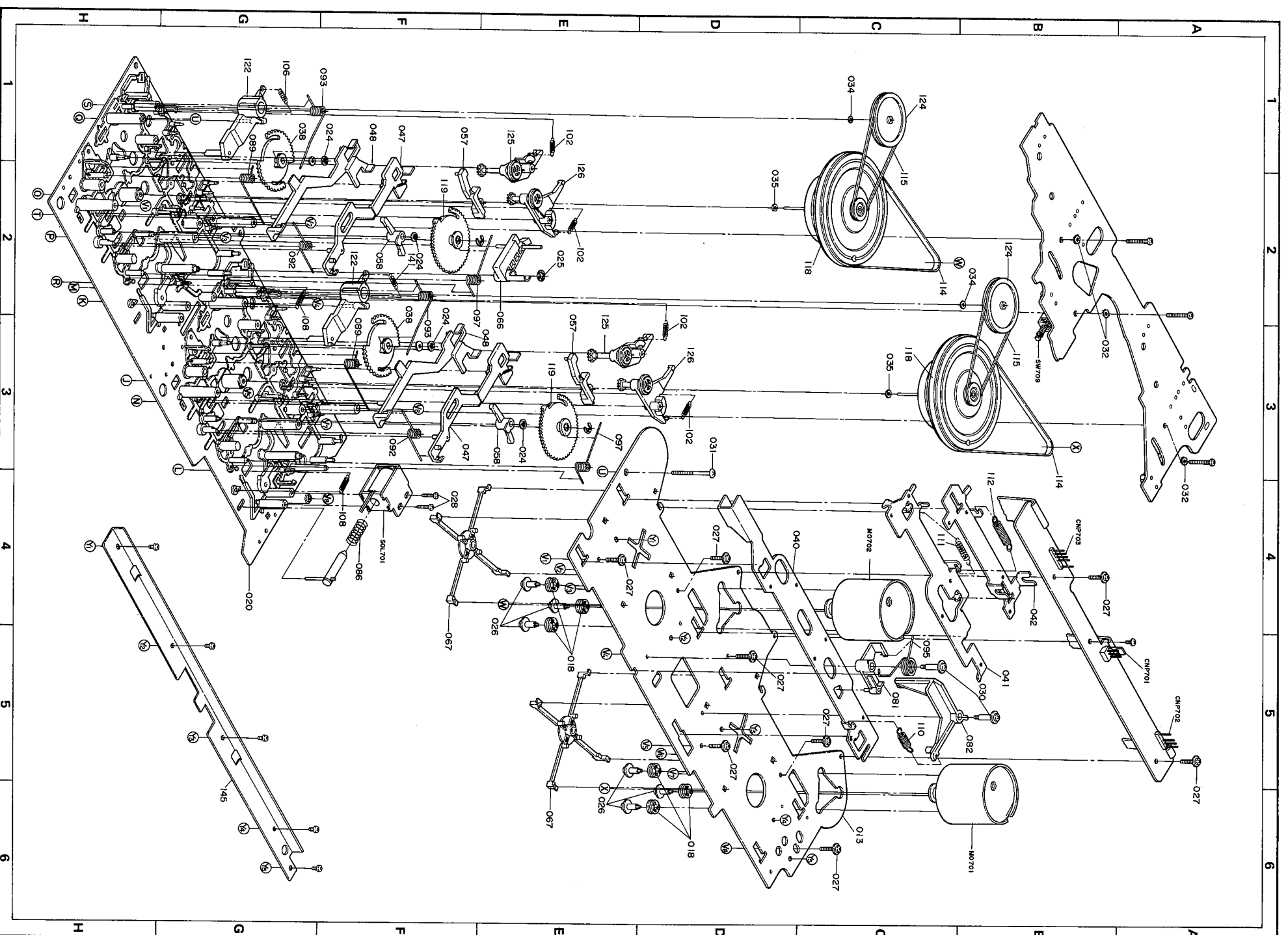


Figure 39 MECHANISM EXPLODED BOTTOM VIEW

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

As to (Transistors, Diodes, and Zener Diodes) described in this Parts List, they are different according to the Model GF-777Z or GF-777. They can be identified the indication of, GF-777Z or GF-777, a fixed affixed to them.

NOTES:

Parts marked with "△" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

REF. NO.	PART NO.	DESCRIPTION	CODE	REF. NO.	PART NO.	DESCRIPTION	CODE
INTEGRATED CIRCUITS							
IC1	RH-1X1083AFZZ	FM IF Amp. (TA7303P)	AK	Q105, 106	VS2SC2240BL-1	Deck 2 Pre-amp. (2SC2240BL)	AC
IC2	RH-1X1082AFNA	PLL FM MPX	AH	Q107, 108	VS2SC732-B/-1	Deck 2 Pre-amp. (2SC732B)	AD
IC101	VHIM54512L/-1	Demodulator (BA1320)	AF	Q109	VS2SA1015Y/-1	Switching, Built-in	AB
IC102	VH1RC4558P/-1	Deck 1, Monitor Output Amp. (IC4558P)	AG	Q110	VS2SD471LK2-A	Microphone (2SA1015Y)	AD
IC109	VHIM54512L/-1	Deck 1, AP LD Muting (M54512L)	AF	Q115, 116	VS2SC1815GR-1	Ripple Filter (2SD471LK)	AB
IC112	VHIM54512L/-1	Switching, Record Equalizer (M54512L)	AF	Q121, 122	VS2SC1815GR-1	Record Equalizer Amp. (2SC1815GR)	AB
IC113	VHIM54512L/-1	Switching, Record Equalizer (M54512L)	AF	Q123, 124	VS2SC1815GR-1	Meter Drive Amp. (2SC1815GR)	AB
IC114	VHIM54515/-1	Built-in Microphone Bias Selector (M54515)	AG	Q125	VS2SC1815GR-1	Automatic Playback Level Control (2SC1815GR)	AB
IC115	VHIM51301P/-1	Record/Playback Amp. (M51301P)	AK	Q129, 130	VS2SC1815GR-1	Automatic Record Level Control (2SC1815GR)	AB
IC351	VH1LM13600N-1	Voltage Control, Low Pass Filter (LM13600N)	AP	Q131, 132	VS2SC1815GR-1	Muting (2SC1815GR)	AB
IC352	VH1LM358N//1	Mix. Amp., High Pass Filter, Peak Detector (LM358N)	AG	Q133, 134, 135, 136	VS2SC1815GR-1	Muting, Edit (2SC1815GR)	AB
IC401	RH-1X1079AFZZ	Phono Equalizer Amp. (M51521)	AG	Q126	VS2SC732-B/-1	Microphone Amp. (2SC732B)	AD
IC501	VH1UPC575C21F	Echo Amp. (UPC575C2)	AH	Q129, 506	VS2SC1815GR-1	Switching, Tape Fader (2SC1815GR)	AB
IC601	VH1IR3108//1	APLD Amp. & Detector (IR3108)	AK	Q131, 132	VS2SA1015Y/-1	APLD Phase Inverter (2SA1015Y)	AB
IC602	VHIM54834//1	APLD Control Circuit (M54834)	AQ	Q133, 134, 135, 136	VS2SC1815GR-1	Muting, Edit (2SC1815GR)	AB
IC801	VH1HA1392//1	Audio Power Amp. (HA1392)	AR	Q505, 506	VS2SA1015Y/-1	APLD Power Switching (2SA1015Y)	AB
IC802	VH1HA1392//1	Super Woofer Sound Power Amp. (HA1392)	AR	Q602	VS2SC1815GR-1	APLD Power Switching (2SC1815GR)	AB
TRANSISTORS							
Q1	(GF-777Z) VS3SK73-GR/-1	FM RF Amp. (3SK73GR)	AF	Q603	VS2SA1015Y/-1	Switching, Solenoid Drive (Q705) (2SA1015Y)	AB
Q2	VS2SC1923-O-A	FM Local Oscillator (2SC1923O)	AC	Q604	VS2SD471LK2-A	Deck 1 Motor Drive (2SD471LK)	AD
Q3	VS2SC1923-O-A	FM Mixer (2SC1923O)	AC	Q605	VS2SD471LK2-A	Switching, Motor Drive (2SD471LK)	AD
Q4	VS2SC380-Y/-A	FM IF Amp. (2SC380Y)	AB	Q606	VS2SD471LK2-A	Supply (2SD471LK)	AD
Q5	VS2SC380-Y/-A	AM Mixer (2SC380Y)	AB	Q705	VS2SD471LK2-A	Solenoid Drive (2SD471LK)	AD
Q6	VS2SC380-O/-A	AM Local Oscillator (2SC380O)	AB	Q804, 805	VS2SC1627Y/-A	Bias Oscillator (2SC1627Y)	AC
Q7	VS2SC380-O/-A	AM IF Amp. (2SC380O)	AB	Q806	VS2SC1627Y/-A	Switching, Voltage Regulated Power or Bias Oscillator (2SC1627Y)	AC
Q8	VS2SC380-Y/-A	AM IF Amp. (2SC380Y)	AB	Q703	VS2SD471LK2-A	Deck 2 Motor Drive (2SD471LK)	AD
Q101, 102	VS2SC2240BL-1	Deck 1 Pre-amp. (2SC2240BL)	AC	Q704	VS2SD471LK2-A	Voltage Regulated Power or Bias Oscillator (2SD471LK)	AD
Q103, 104	VS2SC732-B/-1	Deck 1 Pre-amp. (2SC732B)	AD	Q705	2SD471LK	Solenoid Drive (VS2SD471LK2-A)	AD

REF. NO.	PART NO.	DESCRIPTION	CODE	REF. NO.	PART NO.	DESCRIPTION	CODE
Q808	VS2SC1815GR-A	Switching, Bias Oscillator (2SC1815GR)	AB	Q804, 805	2SC1627Y	Bias Oscillator (VS2SC1627Y/-A)	AC
Q1	(GF-777Z) 3SK73GR	FM RF Amp. (VS3SK73-GR/-1)	AF	Q806	2SC1627Y	Switching, Voltage Regulated Power or Bias Oscillator (VS2SC1627Y/-A)	AC
Q2	2SC1923O	FM Local Oscillator (VS2SC1923-O-A)	AC	Q807	2SD471LK	Voltage Regulated Power or Bias Oscillator (VS2SD471LK2-A)	AD
Q3	2SC1923O	FM Mixer (VS2SC1923-O-A)	AC	Q808	2SC1815GR	Switching, Bias Oscillator (VS2SC1815GR-A)	AB
Q4	2SC380Y	FM IF Amp. (VS2SC380-Y/-A)	AB	DIODES			
Q5	2SC380Y	AM Mixer (VS2SC380-Y/-A)	AB	D1, 2	(GF-777Z) VHD1S2473/-U	Electrostatic Protector (1S2473)	AB
Q6	2SC380O	AM Local Oscillator (VS2SC380-O/-A)	AB	D3	VHC1S2688-B5F	Variable Capacitance, AFC (1S2688B)	AC
Q7	2SC380O	AM IF Amp. (VS2SC380-O/-A)	AB	D4	VHD1S2473/-U	Overlord (1S2473)	AB
Q8	2SC380Y	AM IF Amp. (VS2SC380-Y/-A)	AB	D5	VHERD6R8JB3-U	Zener, 6.8V/400mW (RD6R8JB)	AB
Q101, 102	2SC2240BL	Deck 2 Pre-amp. (2SC2240BL)	AC	D6, 7	VHD1S2473/-U	Level Shift, FM Tuning (1S2473)	AB
Q103, 104	2SC732B	Deck 1 Pre-amp. (2SC732B)	AD	D8	VHD1N60////-U	AM AGC (1N60)	AB
Q105, 106	2SC2240BL	Deck 2 Pre-amp. (2SC2240BL)	AC	D9	VHERD6R8JB3-U	Zener, 6.8V/400mW (RD6R8JB)	AB
Q107, 108	2SC732B	Deck 1 Pre-amp. (2SC732B)	AD	D10	VHD1N60////-U	AM Detector (1N60)	AB
Q109	2SC732B	Deck 1 Pre-amp. (2SC732B)	AD	D11	VHD1N60////-U	Level Shift, AM Tuning (1N60)	AB
Q110	2SD471LK	Ripple Filter (2SD471LK)	AD	D12	VHD1S2473/-U	Switching (1S2473)	AB
Q115, 116	2SC732B	Record Equalizer Amp. (2SC1815GR)	AB	D13	VHD1S2473/-U	Switching (1S2473)	AB
Q121, 122	2SC1815GR	Muting (2SC1815GR)	AB	D101	VHD1S2076/-U	Switching, AP LD Mode (1S2076)	AB
Q123, 124	2SA1015Y	Meter Drive Amp. (2SC1815GR)	AB	D102	VHD1S2076/-U	Switching, Deck 1 Monitor Output (1S2076)	AB
Q125	2SD471LK	Automatic Playback Level Control (2SC1815GR)	AD	D111	VHD1S2076/-U	Switching, Dubbing Mode (1S2076)	AB
Q129, 130	2SC1815GR	Automatic Record Level Control (2SC1815GR)	AB	D112	VHD1S2076/-U	Reverse Current Prevention (1S2076)	AB
Q131, 132	2SC1815GR	Muting (2SC1815GR)	AB	D115, 116	VHD1S2076/-U	Automatic Record Level Control (1S2076)	AB
Q133, 134, 135, 136	2SC1815GR	Muting, Edit (2SC1815GR)	AB	D117, 118	VHD1N34A////-U	Logarithmic Compression (1N34A)	AB
Q126	2SC1815GR	Microphone Amp. (2SC732B)	AD	D119	VHD1S2076/-U	Switching, Edit Muting Circuit (1S2076)	AB
Q129, 506	2SC1815GR	Switching, Tape Fader (2SC1815GR)	AB	D120, 121, 123	VHD1S2076/-U	Reverse Current Prevention (1S2076)	AB
Q131, 132	2SC1815GR	Normal - Chrome Selector (VS2SC1815GR-1)	AB	D124	VHD1S2473/-U	APLD Muting (1S2473)	AB
Q133, 134, 135, 136	2SC1815GR	Muting, Edit (2SC1815GR)	AB	D126	VHD1S2076/-U	Switching, Built-in Microphone (1S2076)	AB
Q505, 506	2SC1815GR	APLD Power Switching (2SA1015Y)	AB	D127	VHD1S2076/-U	Switching, Transistor Q808, Play Mode (1S2076)	AB
Q602	2SA1015Y	APLD Phase Inverter (2SA1015Y)	AB	D128	VHD1S2076/-U	Switching, Transistor Q808, Record Mode (1S2076)	AB
Q603	2SC1815GR	APLD Arrangement Circuit (2SA1015Y)	AB	D351	VHD1S2076/-U	Reverse Current Prevention (1S2076)	AB
Q604	2SC732B	Prevention (2SC1815GR)	AB	D352, 353	VHD1S2076/-U	Protector, Peak Detector Amp. (1S2076)	AB
Q605	2SC1815GR	APLD Malfunction Prevention (2SC1815GR)	AB	D355	VHEHZ6B2L//U	Zener, 6.2V/400mW (H26B2L)	AB
Q606	2SA1015Y	APLD Power Switching (2SA1015Y)	AB	D601	VHD1S2076//U	Switching, Radio Mode (1S2076)	AB
Q607	2SC1815GR	APLD Power Switching (2SC1815GR)	AB	D602	VHPGL-9PR9/-1	Radio Echo Indicator (GL-9PR9)	AC
Q608	2SC1815GR	Switching, Solenoid Drive (Q705) (2SA1015Y)	AB	D603	VHPGL-9PR9/-1	FM Stereo Broadcast Indicator (GL-9PR9)	AC
Q609	2SA1015Y	Deck 1 Motor Drive (2SD471LK)	AD	D604	VHPGL-9PG9/-1	Dubbing Indicator (GL-9PG9)	AD
Q610	2SC1815GR	Switching, Motor Drive (Q705) (2SA1015Y)	AB				
Q611	2SC1815GR	APLD Power Switching (VS2SA1015Y/-1)	AB				
Q612	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q613	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q614	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q615	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q616	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q617	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q618	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q619	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q620	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q621	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q622	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q623	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q624	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q625	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q626	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q627	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q628	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q629	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q630	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q631	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q632	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q633	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q634	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q635	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q636	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q637	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q638	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q639	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q640	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q641	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q642	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q643	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q644	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q645	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q646	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q647	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q648	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q649	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q650	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q651	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q652	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q653	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q654	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q655	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q656	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q657	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q658	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q659	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q660	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q661	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q662	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q663	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q664	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q665	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q666	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q667	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q668	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q669	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q670	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q671	2SC1815GR	APLD Power Switching (2SC1815GR-1)	AB				
Q672	2SC1815GR						

REF. NO.	PART NO.	DESCRIPTION	CODE	REF. NO.	PART NO.	DESCRIPTION	CODE	REF. NO.	PART NO.	DESCRIPTION	CODE	REF. NO.	PART NO.	DESCRIPTION	CODE		
D605, 606, 607, 608, 609, 610, 611	VHPGL9PR9/-1	APLD Indicators (GL-9PR9)	AC	D124	1S2473	APLD Muting (VHD1S2473//U)	AB	CF1	RFILF0080AFZZ	FM 1st IF 10.7MHz ±20KHz (GF-777)	AD	C54	RTO-H1073AFZZ	SW2 Antenna Trimmer	AC		
D616, 617, 618	VHD1S2076//U	Reverse Current Prevention (1S2076)	AB	D126	1S2076	Switching, Built-in Microphone (VHD1S2076//U)	AB	CF2	RFILF0071AFZZ	FM 2nd IF 10.7MHz ±20KHz AD (GF-777Z)	AD	C60	RVC-Z0050AFZZ	Variable Capacitor, Fine Tuning	AG		
D619	VHD1S2076//U	APLD Indicator Malfunction Prevention (1S2076)	AB	D127	1S2076	Switching, Transistor Q808, Play Mode (VHD1S2076//U)	AB	CF3	RFILF0080AFZZ	FM 2nd IF 10.7MHz ±20KHz AD (GF-777)	AD	C67	RTO-H1073AFZZ	SW2 Local Oscillator Trimmer	AC		
D620, 621	VHD1S2076//U	Reverse Current Prevention (1S2076)	AB	D128	1S2076	Switching, Transistor Q808, Record Mode (VHD1S2076//U)	AB		RFILA0074AFZZ	AM IF 468KHz ±1KHz	AE	C69, 71	RTO-H2058AFZZ	C69: SW1 Local Oscillator Trimmer C71: AM Local Oscillator Trimmer	AD		
D622	VHEHZ6B2L//U	Zener, 6.2V/400mW (HZ6B2L)	AB	D351	1S2076	Reverse Current Prevention (VHD1S2076//U)	AB	TRANSFORMERS									
D623	VHD1S2076//U	Reverse Voltage Protector, Transistor Q607 (1S2076)	AB	D352, 353	1S2076	Protector, Peak Detector (VHD1S2076//U)	AB	T1	RCIL10289AFZZ	FM IF	AC	C14	RC-EZV106AF1H	10MFD, 50V, ±20%	AB		
D624	VHD1S2076//U	APLD Malfunction Prevention (1S2076)	AB	D355	HZ6B2L	Zener, 6.2V/400mW (VHEHZ6B2L//U)	AB	T2	RCIL10208AFZZ	FM IF	AC	C23, 30	RC-EZV105AF1H	1MFD, 50V, ±20%	AB		
D702	VHD10E1///-1	Suge Current Absorber (10E1)	AC	D601	1S2076	Switching, Radio Mode (VHD1S2076//U)	AB	T3	RCIL10256AFZZ	AM IF	AC	C32	RC-EZV476AF1C	47MFD, 16V, ±20%	AB		
D703, 704, 705, 706, 707, 708, 709, 710	VHD1S2076//U	Reverse Current Prevention (1S2076)	AB	D602	GL-9PR9	Radio Echo Indicator (VHPGL-9PR9/-1)	AC	T4	RCIL10170AFZZ	AM IF	AC	C36	RC-EZV475AF1H	4.7MFD, 50V, ±20%	AB		
D713, 714, 715	VHD1S2076//U	Reverse Current Prevention (1S2076)	AB	D603	GL-9PR9	FM Stereo Broadcast Indicator (VHPGL-9PR9/-1)	AC	Δ T901	RTRNPO782AFZZ	Power	AY	C37, 39	VCEALV1HMW47M	.47MFD, 50V, ±20%	AB		
D801	VHDS2076//1	Built-in Microphone Muting (1S2076)	AB	D604	GL-9PG9	Dubbing Indicator (VHPGL-9PG9/-1)	AD	COILS									
D802	VHPGL9PR9/-1	Power Indicator (GL-9PR9)	AC	D605, 606, 607, 608, 609, 610, 611	GL-9PR9	APLD Indicators (VHPGL-9PR9/-1)	AC	L1	RCILA0510AFZZ	FM Antenna	AC	C33	RC-EZV107AF1A	100MFD, 10V, ±20%	AB		
D803	VHERD110JB1-1	Zener, 11V/400mW (RD110JB1)	AB	D616, 617, 618	1S2076	Reverse Current Prevention (VHD1S2076//U)	AB	L2, 3	RCILR0340AFZZ	FM RF	AA	C109, 110	RC-EZA107AF1A	100MFD, 10V, ±20%	AB		
D901	VHDL104//1	Rectifier (G1L04)	AH	D619	1S2076	APLD Indicator Malfunction Prevention (VHD1S2076//U)	AB	L4	RCILB0463AFZZ	FM Local Oscillator	AA	C111, 112	RC-EZA106AF1C	10MFD, 16V, ±20%	AB		
D1, 2	(GF-777)	Electrostatic Protector (VHD1S2473//U)	AB	D622	HZ6B2L	Zener, 6.2V/400mW (VHEHZ6B2L//U)	AB	L5	RCILC0072AFZZ	FM RF Choke	AA	C117, 118	RC-EZA105AF1H	1MFD, 50V, ±20%	AB		
D3	1S2688B	Variable Capacitance, AFC (VHC1S2688-BSF)	AC	D623	1S2076	Reverse Voltage Protector, Transistor Q607 (VHD1S2076//U)	AB	L6	VP-CU470K0000	47µH, Choke	AA	C119, 120	RC-EZA475AF1E	4.7MFD, 25V, ±20%	AB		
D4	1S2473	Overload (VHD1S2473//U)	AB	D624	1S2076	APLD Malfunction Prevention (VHD1S2076//U)	AB	L7	RCILA0532AFZZ	AM & SW1 Antenna	AL	C121	RC-EZA227AF1A	220MFD, 10V, ±20%	AB		
D5	RD6R8JB	Zener, 6.8V/400mW (VHERD6R8JB3-U)	AB	D702	10E1	Suge Current Absorber (VHD10E1///-1)	AC	L8	RCILB0444AFZZ	AM Local Oscillator	AC	C122	RC-EZV477AF1C	470MFD, 16V, ±20%	AC		
D6, 7	1S2473	Level Shift, FM Tuning (VHD1S2473//U)	AB	D703, 704, 705, 706, 707, 708, 709, 710	1S2076	Reverse Current Prevention (VHD1S2076//U)	AB	L9	RCILB0495AFZZ	SW1 Local Oscillator	AD	C123	RC-EZA475AF1E	4.7MFD, 25V, ±20%	AB		
D8	1N60	AM AGC (VHD1N60//U)	AB	D712	RD100JB2	Zener, 10V/400mW (VHERD100JB2-1)	AB	L10	RCILB0357AFZZ	SW2 Local Oscillator	AD	C124	RC-EZA107AF1C	100MFD, 16V, ±20%	AB		
D9	RD6R8JB	Zener, 6.8V/400mW (VHERD6R8JB3-U)	AB	D713, 714, 715	1S2076	Reverse Current Prevention (VHD1S2076//U)	AB	L11	RCILB0601AFZZ	SW2 Local Oscillator	AD	C125	RC-EZA105AF1H	1MFD, 50V, ±20%	AB		
D10	1N60	AM Detector (VHD1N60//U)	AB	D715, 714, 715	1S2076	Reverse Current Prevention (VHD1S2076//U)	AB	L12	VP-CU470K0000	47µH, Choke	AD	C141, 142	VCAAT101JF475X	4.7MFD, 6.3V, +40-20%, Aluminum	AC		
D11	1N60	Level Shift, AM Tuning (VHD1N60//U)	AB	D801	1S2076	Built-in Microphone Muting (VHD1S2076//U)	AB	L101, 102	RCILZ0102AFZZ	6.8mH	AC	C149, 150	RC-EZA107AF1A	100MFD, 10V, ±20%	AB		
D12	1S2473	Switching (VHD1S2473//U)	AB	D802	GL-9PR9	Power Indicator (VHPGL-9PR9/-1)	AC	L451, 452	RCILB0547AFZZ	Bias Step-up	AE	C151, 152	RC-EZA106AF1C	10MFD, 16V, ±20%	AB		
D13	1S2473	Switching (VHD1S2473//U)	AB	D803	RD110JB1	Zener, 11V/400mW (VHERD110JB1-1)	AB	L501, 502	RCILZ0102AFZZ	6.8mH	AC	C157	RC-EZA227AF1A	220MFD, 10V, ±20%	AB		
D101	1S2076	Switching, APLD Mode (VHD1S2076//U)	AB	D901	GIL04	Rectifier (VHDL104//U)	AH	L701, 702	VP-C470K0000	47µH	AB	C158	RC-EZV477AF1C	470MFD, 16V, ±20%	AC		
D102	1S2076	Switching, Deck 1 Monitor Output (VHD1S2076//U)	AB	THYRISTOR													
D111	1S2076	Switching, Dubbing Mode (VHD1S2076//U)	AB	FILTERS													
D112	1S2076	Reverse Current Prevention (VHD1S2076//U)	AB	CF1	RFILF0071AFZZ	FM 1st IF 10.7MHz ±20KHz (GF-777Z)	AD	COILS									
D115, 116	1S2076	Automatic Record Level Control (VHD1S2076//U)	AB	CF1	VHSCRO2AM1B-U	APLD Power Switching (CRO2AM-1B)	AE	L1	RCILA0510AFZZ	FM Antenna	AC	C19, 20, C19, 20, C53, 56, C58, 61	RVC-R0070AFZZ	Variable Capacitors, Tuning with Trimmers	AP		
D117, 118	1N34A	Logarithmic Compression (VHD1N34A//U)	AB	CF1	RFILF0071AFZZ	FM 1st IF 10.7MHz ±20KHz (GF-777Z)	AD	L2, 3	RCILR0340AFZZ	FM RF	AA	C275, 276, C277, 278, C283, 284	RC-EZA106AF1C	10MFD, 16V, ±20%	AB		
D119	1S2076	Switching, Edit Muting Circuit (VHD1S2076//U)	AB	CF1	RFILF0071AFZZ	FM 1st IF 10.7MHz ±20KHz (GF-777Z)	AD	L4	RCILB0463AFZZ	FM Local Oscillator	AA	C291	RC-EZA107AF1C	100MFD, 16V, ±20%	AB		
D120, 121, 123	1S2076	Reverse Current Prevention (VHD1S2076//U)	AB	CF1	RFILF0071AFZZ	FM 1st IF 10.7MHz ±20KHz (GF-777Z)	AD	L5	RCILC0072AFZZ	FM RF Choke	AA	C351, 352	RC-EZA105AF1H	1MFD, 50V, ±20%	AB		
				CF1	RFILF0071AFZZ	FM 1st IF 10.7MHz ±20KHz (GF-777Z)	AD	L6	VP-CU470K0000	47µH, Choke	AA	C353	RC-EZA106AF1C	10MFD, 16V, ±20%	AB		
				CF1	RFILF0071AFZZ	FM 1st IF 10.7MHz ±20KHz (GF-777Z)	AD	L7	RCILA0532AFZZ	AM & SW1 Antenna	AL	C357, 358	RC-EZA475AF1E	4.7MFD, 25V, ±20%	AB		

REF. NO.	PART NO.	DESCRIPTION	CODE	REF. NO.	PART NO.	DESCRIPTION	CODE	REF. NO.	PART NO.	DESCRIPTION	CODE
C360	VCEALAI1HW225M	2.2MFD, 50V, ±20%	AB	C10	VCCCTP1HH1R2C	1.2PF (CH), 50V, ±0.25PF	AA	C271, 272	VCKYMF1HB102K	.001MFD, 50V, ±10%	AA
C361	VCEALAI1HW334M	.33MFD, 50V, ±20%	AB	C11	VCKYTP1EB223K	.022MFD, 25V, ±10%	AB	C279, 280	VCOYKA1HM183K	.018MFD, 50V, ±10%	AA
C365, 366	RC-EZA106AF1C	10MFD, 16V, ±20%	AB	C12	VCKYTP1HB472K	.0047MFD, 50V, ±10%	AB	C281, 282	VCOYKA1HM223K	.022MFD, 50V, ±10%, Mylar	AB
C368	RC-EZA107AF1C	100MFD, 16V, ±20%	AB	C13	VCKYTP1HF103Z	.01MFD, 50V, ±80-20%	AB	C285, 286	VCOYKA1HM183K	.018MFD, 50V, ±10%, Mylar	AA
C369	RC-EZA106AF1C	10MFD, 16V, ±20%	AB	C15	VCKYTP1HB472K	.0047MFD, 50V, ±10%	AB	C287, 288	VCOYKA1HM333K	.033MFD, 50V, ±10%, Mylar	AB
C401, 402	RC-EZA475AF1E	4.7MFD, 25V, ±20%	AB	C16	VCCUTP1HJ150J	15PF (UJ), 50V, ±5%	AA	C289, 290	VCKYMF1HB681K	680PF, 50V, ±10%	AA
C403, 404	RC-EZA107AF1A	100MFD, 10V, ±20%	AB	C17	VCCCTP1HH150J	15PF (CH), 50V, ±5%	AA	C292	VCTYMF1EX103N	.01MFD, 25V, ±30%	AA
C411, 412	RC-EZA106AF1C	10MFD, 16V, ±20%	AB	C18	VCCCTP1HH220J	22PF (CH), 50V, ±5%	AA	C293, 294	VCKZPV1HF103Z	.01MFD, 50V, ±80-20%, Ceramic	AA
C415	RC-EZA476AF1C	47MFD, 16V, ±20%	AB	C21	VCCCTP1HH180J	18PF (CH), 50V, ±5%	AA	C355, 356	VCKYMF1HB271K	270PF, 50V, ±10%	AA
C416	RC-EZA106AF1C	10MFD, 16V, ±20%	AB	C22	VCCCTP1HH6R0D	6PF (CH), 50V, ±0.5PF	AA	C359, 362	VCTYMF1CV223N	.022MFD, 16V, ±30%	AA
C417, 418	VCEALAI1HW334M	.33MFD, 50V, ±20%	AB	C24	VCKYTP1HD223M	.022MFD, 50V, ±20%	AB	C363	VCTYMF1HV222K	.002MFD, 50V, ±10%	AA
C502	VCEALAI1HW104M	.1MFD, 50V, ±20%	AB	C25, 26	VCKYTP1HF103Z	.01MFD, 50V, ±80-20%	AA	C364	VCTYMF1HV392K	.0039MFD, 50V, ±10%	AA
C504	RC-EZA106AF1C	10MFD, 16V, ±20%	AB	C27	VCKYTP1EB223K	.022MFD, 25V, ±10%	AB	C367	VCKYMF1HB271K	270PF, 50V, ±10%	AA
C506	VCEALAI1HW104M	.1MFD, 50V, ±20%	AB	C28, 29	VCKYTP1HF103Z	.01MFD, 50V, ±80-20%	AA	C405, 406	VCKYMF1HB221K	220PF, 50V, ±10%	AA
C508	RC-EZA475AF1E	4.7MFD, 25V, ±20%	AB	C31	VCCCTP1HH100D	10PF (CH), 50V, ±0.5PF	AA	C407, 408	VCOYKA1HM273K	.027MFD, 50V, ±10%, Mylar	AB
C509	RC-EZA107AF1A	100MFD, 10V, ±20%	AB	C33	VCKYTP1EB223K	.022MFD, 25V, ±10%	AB	C409, 410	VCTYMF1EX822K	.0082MFD, 25V, ±10%	AA
C511	RC-EZA476AF1E	47MFD, 25V, ±20%	AB	C34	VCKYTP1HF103Z	.01MFD, 50V, ±80-20%	AA	C501	VCTYMF1EX103N	.01MFD, 25V, ±30%	AA
C512	RC-EZA106AF1C	10MFD, 16V, ±20%	AB	C35	VCCCTP1HL2R0C	.022MFD, 25V, ±10%	AA	C503	VCKYMF1HB331K	330PF, 50V, ±10%	AA
C513	RC-EZA107AF1C	100MFD, 16V, ±20%	AB	C38	VCCSTP1HL221J	.022MFD, 50V, ±80-20%	AA	C507	VCTYMF1EX682N	.0068MFD, 25V, ±30%	AA
C515	VGFALAI1HW104M	.1MFD, 50V, ±20%	AB	C42	VCKYTP1ED473M	.047MFD, 25V, ±20%	AB	C510	VCKYMF1HB331K	330PF, 50V, ±10%	AA
C516	RC-EZV477AF1C	470MFD, 16V, ±20%	AC	C46	VCCSMV1HL471J	470PF, 50V, ±5%, Styrol	AB	C514	VCOYKWHM104M	.1MFD, 50V, ±20%, Mylar	AB
C517, 518,				C47	VCKYTP1HF103Z	.01MFD, 50V, ±80-20%	AA	C519	VCTYMF1HV152K	.0015MFD, 50V, ±10%	AA
C519, 520,	RC-EZA107AF1A	100MFD, 10V, ±20%	AB	C48, 50	VCKYTP1HB471K	470PF, 50V, ±10%	AA	C524	VCTYMF1HV152K	.0015MFD, 50V, ±10%	AA
C521, 522				C51	VCKYTP1HD153M	.015MFD, 50V, ±20%	AA	C529	VCTYMF1HV152K	.0015MFD, 50V, ±10%	AA
C535, 536,	VCEALAI1HW104M	.1MFD, 50V, ±20%	AB	C55	VCCSTP1HL2R0C	.022MFD, 25V, ±10%	AA	C530	VCKYMF1EX393K	.039MFD, 25V, ±10%	AB
C541, 542				C57	VCCSTP1HL5R0C	5PF, 50V, ±0.25PF	AA	C531, 532,	VCTYPA1EX153K	.015MFD, 25V, ±10%, Semiconductor	AA
C543	RC-EZA105AF1H	1MFD, 50V, ±20%	AB	C59	VCCCTP1HH4R0C	4PF (CH), 50V, ±0.25PF	AA	C533, 534	VCTYPA1EX153K	.015MFD, 25V, ±10%, Semiconductor	AA
C549, 550	RC-EZA106AF1C	10MFD, 16V, ±20%	AB	C59	VCCCTP1HH4R0C	4PF (CH), 50V, ±0.25PF	AA	C537, 538	VCTYPA1EX473K	.047MFD, 25V, ±10%, Semiconductor	AB
C603	RC-EZA106AF1C	10MFD, 16V, ±20%	AB	C62	VCCCTP1HH331J	330PF (CH), 50V, ±5%	AB	C539, 540	VCTYMF1HV332K	.0033MFD, 50V, ±10%, Semiconductor	AA
C604	VCEALAI1CW106M	10MFD, 16V, ±20%	AB	C63	VCCCTP1HH330J	33PF (CH), 50V, ±5%	AA	C544	VCTYPA1HB472M	.0047MFD, 50V, ±20%, Semiconductor	AA
C607	RC-EZA476AF1A	47MFD, 10V, ±20%	AB	C64	VCKYTP1HB152K	.0015MFD, 50V, ±10%	AA	C545, 546	VCKYMF1HB561K	560PF, 50V, ±10%	AA
C608	RC-EZA106AF1C	10MFD, 16V, ±20%	AB	C65	VCKYTP1HB472K	.0047MFD, 50V, ±10%	AB	C547, 548	VCKYPA1HB472M	.0047MFD, 50V, ±20%, Semiconductor	AA
C609	VCEALAI1HW104M	.1MFD, 50V, ±20%	AB	C66	VCCCTP1HH2R0C	2PF (UJ), 50V, ±0.5PF	AA	C601	VCKYMF1HB561K	560PF, 50V, ±10%	AA
C610	VCEALAI1HW334M	.33MFD, 50V, ±20%	AB	C68	VCCCTP1HH2R0D	8PF (UJ), 50V, ±0.5PF	AA	C602	VCCSMF1HL101J	100PF, 50V, ±5%	AA
C612	RC-EZA475AF1E	4.7MFD, 25V, ±20%	AB	C70	VCCCTP1HJ100D	10PF (UJ), 50V, ±0.5PF	AA	C605	VCCSMF1HL220J	22PF, 50V, ±5%	AA
C613	VCEALAI1HW334M	.33MFD, 50V, ±20%	AB	C72	VCKYTP1HF223Z	.022MFD, 50V, ±80-20%	AA	C606	VCTYMF1CY223N	.022MFD, 16V, ±30%	AA
C616	RC-EZA476AF1A	47MFD, 10V, ±20%	AB	C74	VCKYTP1HB102K	.022MFD, 50V, ±10%	AA	C611	VCKYMF1HB102K	.001MFD, 50V, ±10%	AA
C617	RC-EZA476AF1A	47MFD, 10V, ±20%	AB	C75	VCKYTP1HB332K	.0033MFD, 50V, ±10%	AA	C614, 615	VCTYMF1EX103N	.01MFD, 25V, ±30%	AA
C700, 701	RC-EZA476AF1E	47MFD, 25V, ±20%	AB	C76, 77	VCKYTP1HB223Z	.022MFD, 25V, ±10%	AB	C706	VCCSPU1HL471J	470PF, 50V, ±5%, Ceramic	AB
C702, 704	RC-EZA476AF1C	47MFD, 16V, ±20%	AB	C78	VCKYTP1EB223K	.022MFD, 25V, ±10%	AA	C707, 708	VCKZPV1HF223Z	.022MFD, 50V, ±80-20%, Ceramic	AA
C705	RC-EZV107AF1C	100MFD, 16V, ±20%	AB	C79	VCKYTP1HF223Z	.022MFD, 50V, ±80-20%	AA	C801, 802	VCKYAT1HB471K	470PF, 50V, ±10%, Ceramic	AA
C803, 804,	RC-EZV107AF1A	100MFD, 10V, ±20%	AB	C81, 83	VCKYTP1HF223Z	.022MFD, 50V, ±80-20%	AA	C811, 812	VCTYPA1EX104M	.1MFD, 25V, ±20%, Semiconductor	AB
C805, 806				C84	VCKYTP1HF222Z	.0022MFD, 50V, ±80-20%	AA	C827, 828	VCTYPA1EX104M	.1MFD, 25V, ±20%, Semiconductor	AB
C807, 808	RC-EZV107AF1C	100MFD, 16V, ±20%	AB	C85, 86, 87	VCKYTP1HF222Z	.0022MFD, 50V, ±80-20%	AA	C835	VCOYKVA2AA223J	.022MFD, 100V, ±5%, Polypropylene	AB
C809, 810	RC-EZV108AF1C	100MFD, 16V, ±20%	AD	C89, 90	VCKYTP1HD013M	.01MFD, 50V, ±20%	AA	C836	VCOYKVA2AA272J	.0027MFD, 100V, ±5%, Polypropylene	AB
C814	RC-EZW338AF1E	330MFD, 25V, ±20%	AH	C92	VCKYTP1HF103Z	.01MFD, 50V, ±80-20%	AA	C837, 839,	VCTYAT1EX103N	.01MFD, 25V, ±30%, Semiconductor	AA
C819, 820	VCEALV1HW334M	.33MFD, 50V, ±20%	AB	C94	VCKYTP1HD223M	.022MFD, 50V, ±10%	AB	C841	VCOYKVA2AA332J	.0033MFD, 100V, ±5%, Polypropylene	AB
C823, 824	RC-EZV107AF1A	100MFD, 10V, ±20%	AB	C95	VCCSPU1HL5R0C	5PF, 50V, ±0.25PF, Semiconductor	AA	C844	VCOYKVA2AA332J	.0033MFD, 100V, ±5%, Polypropylene	AB
C825, 826	RC-EZV107AF1C	100MFD, 16V, ±20%	AB					C847	VCTYAT1CY223N	.022MFD, 16V, ±30%, Semiconductor	AA
C830	RC-EZV107AF1A	100MFD, 10V, ±20%	AB					C848	VCKZPV1HF223Z	.022MFD, 50V, ±80-20%, Ceramic	AA
C831, 832	RC-EZV108AF1C	100MFD, 16V, ±20%	AD								
C838	RC-EZV476AF1A	47MFD, 10V, ±20%	AB								
C840	RC-EZV106AF1C	10MFD, 16V, ±20%	AB								
C842	RC-EZV105AF1H	1MFD, 50V, ±20%	AB								
C843	RC-EZV476AF1E	47MFD, 25V, ±20%	AB								
C950, 951	VCE9AU1EW475M	4.7MFD, 25V, ±20%, Non-polar	AC								

* Square type ceramic capacitor is identified by the symbol TP of the part No. VCKYTP0000000; this TP does not mean the lead wire.

* Tubular type ceramic capacitor is identified by the symbol MF of the part No. VCKYMF0000000; this MF does not mean the lead wire.

* Square type oxide metal film resistor (1/8W, ±5%) is identified by the symbol TP of the part No. VRS-TP0000000; this TP does not mean the lead wire.

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* Square type oxide metal film resistor (1/8W, ±5%) is identified by the symbol TP of the part No. VRS-TP0000000; this TP does not mean the lead wire.

* Tubular type carbon film resistor (1/4W, ±5%) is identified by the symbol MF of the part No. VRD-MF0000000; this MF does not mean the lead wire.

* Square type oxide metal film resistor (1/8W, ±5%) is identified by the symbol TP of the part No. VRS-TP0000000; this TP does not mean the lead wire.

* Tubular type carbon film resistor (1/4W, ±5%) is identified by the symbol MF of the part No. VRD-MF0000000; this MF does not mean the lead wire.

* Square type oxide metal film resistor (1/8W, ±5%) is identified by the symbol TP of the part No. VRS-TP0000000; this TP does not mean the lead wire.

* Tubular type carbon film resistor (1/4W, ±5%) is identified by the symbol MF of the part No. VRD-MF0000000; this MF does not mean the lead wire.

* Square type oxide metal film resistor (1/8W, ±5%) is identified by the symbol TP of the part No. VRS-TP0000000; this TP does not mean the lead wire.

* Tubular type carbon film resistor (1/4W, ±5%) is identified by the symbol MF of the part No. VRD-MF0000000; this MF does not mean the lead wire.

REF. NO.	PART NO.	DESCRIPTION	CODE	REF. NO.	PART NO.	DESCRIPTION	CODE	REF. NO.	PART NO.	DESCRIPTION	CODE
R71	VRS-TP2BB471J	470 ohm		R279, 280	VRD-MF2EE332J	3.3K ohm		R510	VRD-MF2EE124J	120K ohm	
R72	VRS-TP2BB182J	1.8K ohm		R281, 282	VRD-MF2EE123J	12K ohm		R511	VRD-MF2EE471J	470 ohm	
R73	VRS-TP2BB822J	8.2K ohm		R283, 284	VRD-MF2EE822J	8.2K ohm		R512	RR-SZ1005AFZZ	8.2 ohm, 1W, ±5%, Metal Oxide Filme	
R74	VRS-TP2BB332J	3.3K ohm		R285, 286	VRD-MF2EE151J	150 ohm		R513, 514, 515, 516	VRD-MF2EE472J	4.7K ohm	
R75	VRS-TP2BB473J	47K ohm		R287, 288	VRD-MF2EE563J	56K ohm		R517, 518	VRD-MF2EE183J	18K ohm	
R76	VRS-TP2BB271J	270 ohm		R289, 290	VRD-MF2EE271J	270 ohm		R525, 526	VRD-MF2EE183J	18K ohm	
R77	VRS-TP2BB103J	10K ohm		R291, 292	VRD-MF2EE121J	120 ohm		R527, 528	VRD-MF2EE184J	180K ohm	
R78	VRS-TP2BB471J	470 ohm		R293, 294	VRD-MF2EE562J	56K ohm		R529, 530, 531, 532	VRD-MF2EE123J	12K ohm	
R79	VRD-ST2HA103J	10K ohm, 1/2W, ±5%, Carbon (GF-777 Only)		R295, 296	VRD-MF2EE472J	4.7K ohm		R533, 534	VRD-MF2EE223J	22K ohm	
R99	VRD-ST2HA103J	10K ohm, 1/2W, ±5%, Carbon (GF-777 Only)		R297	RR-SZ1006AFZZ	68 ohm, 1W, ±5%, Metal Oxide Filme		R535, 536	VRD-MF2EE222J	2.2K ohm	
R101, 102	VRD-MF2EE563J	56K ohm		R298	VRD-MF2EE182J	1.8K ohm		R537, 538	VRD-MF2EE272J	2.7K ohm	
R103, 104	VRD-MF2EE221J	220 ohm		R300, 301	VRD-MF2EE103J	10K ohm		R539, 540, 541, 542	VRD-MF2EE332J	3.3K ohm	
R105, 106	VRD-MF2EE682J	6.8K ohm		R302	VRD-MF2EE104J	100K ohm		R543	RR-SZ1007AFZZ	3.3 ohm, 1W, ±5%, Metal Oxide Filme	
R107, 108	VRD-MF2EE224J	220K ohm		R303	VRD-MF2EE103J	10K ohm		R544	VRD-MF2EE331J	330 ohm	
R109, 110	VRD-MF2EE102J	1K ohm		R304	VRD-MF2EE222J	2.2K ohm		R600	VRD-MF2EE821J	820 ohm	
R111, 112	VRD-MF2EE223J	22K ohm		R305	VRD-MF2EE102J	1K ohm		R602	VRD-MF2EE271J	270 ohm	
R113, 114	VRD-MF2EE564J	560K ohm		R306, 307, 308, 309, 310, 311, 312	VRD-MF2EE103J	10K ohm		R603	VRD-MF2EE103J	10K ohm	
R115, 116	VRD-MF2EE104J	100K ohm		R313, 314	VRD-MF2EE473J	47K ohm		R604	VRD-MF2EE271J	270 ohm	
R117, 118	VRD-MF2EE562J	5.6K ohm		R315, 316	VRD-MF2EE473J	47K ohm		R605	VRD-MF2EE183J	18K ohm	
R119, 120	VRD-MF2EE332J	3.3K ohm		R317, 318	VRD-MF2EE223J	22K ohm		R606	VRD-MF2EE183J	18K ohm	
R121, 122	VRD-MF2EE272J	2.7K ohm		R319, 320	VRD-MF2EE473J	47K ohm		R607	VRD-MF2EE562J	5.6K ohm	
R123, 124	VRD-MF2EE102J	1K ohm		R321, 322	VRD-MF2EE473J	47K ohm		R608	VRD-MF2EE223J	2.2K ohm	
R125, 126	VRD-MF2EE104J	100K ohm		R323	VRD-MF2EE561J	560 ohm		R609	VRD-MF2EE101J	100 ohm	
R127, 128	VRD-MF2EE331J	330 ohm		R325	VRD-MF2EE473J	47K ohm		R610, 611	VRD-MF2EE222J	2.2K ohm	
R129, 130	VRD-MF2EE224J	220K ohm		R325, 334	VRD-MF2EE473J	47K ohm		R612, 613, 614	VRD-MF2EE102J	1K ohm	
R131	VRD-MF2EE102J	1K ohm		R335, 336	VRD-MF2EE472J	4.7K ohm		R614	VRD-MF2EE683J	68K ohm	
R132	VRD-MF2EE221J	220 ohm		R355, 356, 357, 358, 359, 360	VRD-MF2EE473J	47K ohm		R615	VRD-MF2EE332J	3.3K ohm	
R134	VRD-MF2EE332J	3.3K ohm		R367, 366	VRD-MF2EE102J	1K ohm		R616	VRD-MF2EE681J	680 ohm	
R135	VRD-MF2EE273J	27K ohm		R368	VRD-MF2EE123J	12K ohm		R617	VRD-MF2EE222J	2.2K ohm	
R139, 140	VRD-MF2EE102J	1K ohm		R369	VRD-MF2EE273J	27K ohm		R618	VRD-MF2EE104J	100K ohm	
R141, 142	VRD-MF2EE563J	56K ohm		R370	VRD-MF2EE104J	100K ohm		R619	VRD-MF2EE103J	10K ohm	
R143, 144	VRD-MF2EE331J	330 ohm		R371	VRD-MF2EE334J	330K ohm		R620	VRD-MF2EE103J	10K ohm	
R145, 146	VRD-MF2EE682J	6.8K ohm		R372	VRD-MF2EE472J	4.7K ohm		R621	VRD-MF2EE101J	100 ohm	
R147, 148	VRD-MF2EE224J	220K ohm		R373	VRD-MF2EE154J	150K ohm		R622	VRD-MF2EE103J	10K ohm	
R149, 150	VRD-MF2EE102J	1K ohm		R374	VRD-MF2EE103J	10K ohm		R623	VRD-MF2EE102J	1K ohm	
R151, 152	VRD-MF2EE564J	560K ohm		R375, 376, 377	VRD-MF2EE104J	100K ohm		R624	VRD-MF2EE561J	560 ohm	
R153, 154	VRD-MF2EE473J	47K ohm		R378	VRD-MF2EE332J	3.3K ohm		R625	VRD-MF2EE562J	5.6K ohm	
R155, 156	VRD-MF2EE223J	22K ohm		R379	VRD-MF2EE103J	10K ohm		R626	VRD-MF2EE222J	2.2K ohm	
R159	VRD-MF2EE273J	27K ohm		R380	VRD-MF2EE332J	3.3K ohm		R627, 629	VRD-MF2EE103J	10K ohm	
R160	VRD-MF2EE102J	1K ohm		R381	VRD-MF2EE103J	10K ohm		R631	VRD-MF2EE561J	560 ohm	
R161, 162	VRD-MF2EE332J	3.3K ohm		R382	VRD-MF2EE472J	4.7K ohm		R632	VRD-MF2EE103J	10K ohm	
R165, 166	VRD-MF2EE272J	2.7K ohm		R381, 382	VRD-MF2EE473J	4.7K ohm		R633	VRD-MF2EE102J	1K ohm	
R176	VRD-MF2EE152J	1.5K ohm		R401, 402	VRD-MF2EE472J	4.7K ohm		R700	VRD-ST2EE333J	33K ohm, 1/4W, ±5%, Carbon	
R179, 180	VRD-MF2EE102J	1K ohm		R403, 404	VRD-MF2EE222J	2.2K ohm		R701	VRD-ST2EE103J	10K ohm, 1/4W, ±5%, Carbon	
R187, 188	VRD-MF2EE472J	4.7K ohm		R405, 406	VRD-MF2EE151J	150 ohm		R702, 703	VRD-ST2EE102J	1K ohm, 1/4W, ±5%, Carbon	
R189, 190	VRD-MF2EE154J	150K ohm		R407, 408	VRD-MF2EE273J	27K ohm		R704	VRD-ST2EE563J	56K ohm, 1/4W, ±5%, Carbon	
R191, 192	VRD-MF2EE221J	220 ohm		R409, 410	VRD-MF2EE823J	82K ohm		R705, 706	VRD-ST2EE102J	1K ohm, 1/4W, ±5%, Carbon	
R193, 194	VRD-MF2EE473J	47K ohm		R411, 412	VRD-MF2EE103J	10K ohm		R707	VRD-ST2EE331J	330 ohm, 1/4W, ±5%, Carbon	
R195, 196	VRD-MF2EE102J	1K ohm		R415, 416	VRD-MF2EE223J	22K ohm					
R197, 198	VRD-MF2EE222J	2.2K ohm		R419, 420	VRD-MF2EE102J	1K ohm					
R199, 200	VRD-MF2EE152J	1.5K ohm		R421, 422	VRD-MF2EE152J	1.5K ohm					
R201, 202	VRD-MF2EE103J	10K ohm		R424	VRD-MF2EE182J	1.8K ohm					
R203, 204	VRD-MF2EE821J	820 ohm		R425, 426	VRD-MF2EE472J	4.7K ohm					
R207	RR-SZ1006AFZZ	68 ohm, 1W, ±5%, Metal Oxide Filme		R427, 428	VRD-MF2EE102J	1K ohm					
R209	VRD-MF2EE564J	560K ohm		R431	VRD-MF2EE681J	680 ohm					
R211	VRD-MF2EE103J	10K ohm		R433	VRD-MF2EE81J	10 ohm					
R212	VRD-MF2EE221J	220 ohm		R435, 454	VRD-MF2EE100J	10 ohm					
R213, 214	VRD-MF2EE562J	5.6K ohm		R455	VRD-MF2EE1R0J	1 ohm					
R215, 216	VRD-MF2EE684J	680K ohm		R501	VRD-MF2EE471J	470 ohm					
R217, 218	VRD-MF2EE102J	1K ohm		R502	VRD-MF2EE271J	270 ohm					
R221	VRD-MF2EE273J	27K ohm		R503	VRD-MF2EE102J	1K ohm					
R222	VRD-MF2EE122J	1.2K ohm		R504	VRD-MF2EE474J	470K ohm					
R223	VRD-MF2EE102J	1K ohm		R505	VRD-MF2EE222J	2.2K ohm					
R241, 242	VRD-MF2EE332J	3.3K ohm		R507	VRD-MF2EE330J	33 ohm					
R243	VRD-ST2EE223J	22K ohm, 1/4W, ±5%, Carbon		R508	VRD-MF2EE473J	47K ohm					
R273, 274	VRD-MF2EE392J	3.9K ohm		R509	VRD-MF2EE154J	150K ohm					
R275, 276	VRD-MF2EE223J	22K ohm									
R277, 278	VRD-MF2EE103J	10K ohm									

MECHANICAL PARTS

REF. NO.	PART NO.	DESCRIPTION	CODE
R821	VRD-ST2EE123J	12K ohm, 1/4W, ±5%, Carbon	AA
R822, 823	VRD-ST2EE120J	12 ohm, 1/4W, ±5%, Carbon	AA
R826, 827	VRD-ST2EE102J	1K ohm, 1/4W, ±5%, Carbon	AA
R828	VRD-ST2EE152J	1.5K ohm, 1/4W, ±5%, Carbon	AA
R829, 830, 831, 832	VRD-ST2EE2R2J	2.2 ohm, 1/4W, ±5%, Carbon	AA
R833	VRD-ST2EE102J	1K ohm, 1/4W, ±5%, Carbon	AA
R835	VRD-ST2EE123J	12K ohm, 1/4W, ±5%, Carbon	AA
R836	VRD-ST2EE122J	1.2K ohm, 1/4W, ±5%, Carbon	AA
△ R901	RR-HZ1001AFZZ	4.7Meg ohm, 1/2W, ±10%, Carbon (GF-777 Only)	AB
	VRS-TP2BB000C	0 ohm, 1/8W, ±0.25 ohm, Jumper	AA
	VRD-MF2EE000C	0 ohm, 1/4W, ±0.25 ohm, Jumper	AA
001	JKNBP0126AFSA	Key, Deck 1 Cassette Ejection	AE
002	JKNBP0127AFSA	Key, Stop	AE
003	JKNBP0128AFSA	Key, Cut	AE
004	JKNBP0129AFSA	Key, Pause	AE
005	JKNBP0130AFSA	Key, Deck 2 Playback	AE
006	JKNBP0131AFSA	Key, Rewind/Review	AE
007	JKNBP0132AFSA	Key, Deck 2 Fast Forward Wind/Cue	AE
008	JKNBP0133AFSA	Key, Deck 1 Playback	AE
009	JKNBP0134AFSA	Key, Deck 2 Fast Forward Wind/Cue	AE
010	JKNBP0135AFSA	Key, Deck 2 Editing	AE
011	JKNBP0136AFSA	Key, Deck 2 Record	AE
012	JKNBP0137AFSA	Key, Deck 2 Cassette Ejection	AE
013	LANGF0594AFZZ	Bracket, Motor Retaining	AH
014	LANGG0078AFZZ	Bracket, Sub Chassis Guide	AC
015	LANGK0250AFZZ	Bracket, Deck 1 Burton Block	AC
016	LANGK0258AFZZ	Bracket, Deck 2 Burton Block	AF
017	LANGT0978AFZZ	Bracket, Head Base	AB
018	LBSHZ0072AFZZ	Cushion, Motor	AB
019	LCHSM00361AFZZ	Second Chassis (Deck 2)	AB
020	LCHSM0374AFZZ	Main Chassis	AB
021	LCHSS0159AFZZ	Sub Chassis	AA
022	LHLDW3056AFZZ	Wire Holder, 31mm	AA
023	LPINZ0051AFZZ	Pin, Pause Lever	AA
024	LSTWC2001AFZZ	Stop Ring, 2mm Dia	AA
025	LSTWC4004AFZZ	Stop Ring, 4mm Dia	AA
026	LX-BZ0219AFZZ	Screw, Motor Retaining	AA
027	LX-HZ0056AFZZ	Screw, 3mm Dia x t10mm	AA
028	LX-HZ0077AFZZ	Screw, 2.6mm Dia x t10mm	AA
029	LX-HZ0078AFZZ	Flange Screw, 2.6mm Dia x t12mm	AA
030	LX-HZ0079AFZZ	Screw, Record Interlocking	AA
031	LX-HZ0081AFZZ	Screw, 3mm Dia x t30mm	AA
032	LX-WZ0014AGFK	Lock Washer, 2.6mm Dia	AA
033	LX-WZ5018AGZZ	Washer, 2.1mm Dia	AA
034	LX-WZ5020AGZZ	Washer, 1.7mm Dia	AA
035	LX-WZ9053AFZZ	Washer, Oil Cut	AA
036	LX-WZ9063AFZZ	Washer, 1.5mm Dia	AA
037	LX-WZ9064AFZZ	Washer, 2mm Dia	AA
038	MCPMP0054AFZZ	Washer, 2mm Dia	AA
039	MLEVVF1120AFZZ	Cam, Pause	AB
040	MLEVVF1199AFZZ	Lever, P.A.D.	AD
	MLEVVF1199AFZZ	Lever, Tape Operation	AD
	MLEVVF1200AFZZ	Selector Interlocking	AD
	MLEVVF1201AFZZ	Lever, Record Switch	AD
	MLEVVF1201AFZZ	Lever, Over Stroke	AC

REF. NO.	PART NO.	DESCRIPTION	CODE	REF. NO.	PART NO.	DESCRIPTION	CODE
043	MLEVF1202AFZZ	Lever, Deck 2 Pause Key Interlocking	AD	100	MSPRP0269AFFJ	Plate Spring, Deck 1 Key Retainer	AB
044	MLEVF1203AFZZ	Lever, Deck 2 Cassette Ejection Key Interlocking	AD	101	MSPRP0270AFFJ	Plate Spring, Deck 2 Key Retainer	AB
045	MLEVP0216AFZZ	Lever, Record	AB	102	MSPRT0739AFFJ	Spring, Record Prevention Lever	AB
046	MLEVP0217AFZZ	Lever, Playback	AB	103	MSPRT0740AFFJ	Spring, Auto Stop Control Lever	AB
047	MLEVP0218AFZZ	Lever, Rewind	AB	104	MSPRT0741AFFJ	Spring, Brake Lever	AB
048	MLEVP0219AFZZ	Lever, Fast Forward	AC	105	MSPRT0743AFFJ	Spring, Brake Release Lever	AB
049	MLEVP0220AFZZ	Lever, Pause	AB	106	MSPRT0744AFFJ	Spring, Cassette Lock Lever	AB
050	MLEVP0221AFZZ	Lever, P.A.D. Lock	AB	107	MSPRT0745AFFJ	Spring, Deck 1 Pause Lever	AB
051	MLEVP0222AFZZ	Lever, Auxiliary P.A.D. Lock	AB	108	MSPRT0746AFFJ	Spring, Playback Key Lever	AB
052	MLEVP0223AFZZ	Lever, Start	AB	109	MSPRT0747AFFJ	Spring, Sub Chassis Return	AB
053	MLEVP0224AFZZ	Lever, Cassette Eject Prevention	AB	110	MSPRT0762AFFJ	Spring, Tape Operation Selector Lever	AA
054	MLEVP0225AFZZ	Lever, Record Prevention	AB	111	MSPRT0763AFFJ	Spring, Record Switch Lever	AA
055	MLEVP0226AFZZ	Lever, Lock Release	AB	112	MSPRT0764AFFJ	Spring, Over Stroke Lever	AA
056	MLEVP0227AFZZ	Lever, Brake Release	AB	113	NBALS0006AGFJ	Steel Ball, 2mm Dia	AA
057	MLEVP0228AFZZ	Lever, APLD Switch	AB	114	NBLTH0076AFZZ	Belt, Flywheel Drive	AC
058	MLEVP0229AFZZ	Lever, Fast Forward/Rewind Prevention	AB	115	NBLTK0184AFZZ	Belt, Playback	AB
059	MLEVP0230AFZZ	Lever, Record Sensor	AB	116	NDAIR0150AFSA	Turntable, Take-up	AG
060	MLEVP0231AFZZ	Lever, Sub Chassis Lock	AB	117	NDAIR0151AFSA	Turntable, Supply	AE
061	MLEVP0232AFZZ	Lever, Playback Release	AB	118	NFLYC0090AFZZ	Flywheel Assembly	AP
062	MLEVP0233AFZZ	Lever, Brake	AB	119	NGERH0066AFZZ	Gear, P.A.D.	AB
063	MLEVP0234AFZZ	Lever, Auto Stop Control	AB	120	NGERH0067AFZZ	Gear, Playback	AE
064	MLEVP0235AFZZ	Lever, Sensor	AB	121	NGERP0052AFZZ	Gear, Playback Drive	AD
065	MLEVP0236AFZZ	Lever, Erase Protector	AB	122	NIDR-0073AFZZ	Idler, Playback	AD
066	MLEVP0237AFZZ	Lever, Record Interlocking	AD	123	NIDR-0074AFZZ	Idler, Rewind	AB
067	MLEVP0239AFZZ	Lever, Thrust	AC	124	NPLYR0076AFZZ	Pulley, Playback	AB
068	MLEVP0240AFZZ	Lever, Main Button Block	AB	125	NROLV0017AFZZ	Roller, Fast Forward	AF
069	MLEVP0241AFZZ	Lever, Sub Button Block	AB	126	NROLY0014AFZZ	Roller, Rewind	AF
070	MLEVP0277AFZZ	Lever, Cassette Ejection	AC	127	NROLY0043AFZZ	Pinch Roller	AG
071	MLEVP0278AFZZ	Lever, Deck 1 Cassette Ejection Key	AC	128	NSFTN0008AFFW	Shaft, Playback Pulley	AB
072	MLEVP0279AFZZ	Lever, Deck 1 Playback Key	AC	129	NSFTT0149AFFW	Shaft, Deck 2 Key Block	AD
073	MLEVP0280AFZZ	Lever, Stop Key	AC	130	NSFTT0154AFFW	Shaft, Deck 1 Key Block	AD
074	MLEVP0281AFZZ	Lever, Rewind Key	AC	131	PGIDM0093AFZZ	Guide, Deck 2 Pause Button	AC
075	MLEVP0282AFZZ	Lever, Cut Key	AC	132	PGIDM0094AFZZ	Guide, Deck 2 Cassette Ejection Button	AC
076	MLEVP0283AFZZ	Lever, Fast Forward Key	AC	133	PGUMR0052AFZZ	Cushion, P.A.D. Lever	AB
077	MLEVP0284AFZZ	Lever, Deck 1 Pause Key	AC	134	QCNW-0964AFZZ	Terminal Lug with Lead	AC
078	MLEVP0285AFZZ	Lever, Deck 2 Editing Key	AC	135	RHEDA0081AFZZ	Erase Head	AL
079	MLEVP0286AFZZ	Lever, Deck 2 Record Key	AC	136	RHEDF0060AFZZ	Playback Head	AQ
080	MLEVP0287AFZZ	Lever, Deck 2 Playback Key	AC	137	RHEDH0089AFZZ	Record/Playback Head	AR
081	MLEVP0288AFZZ	Detent Lever, Tape Operation Selector	AD	138	LSLVM0113AFFW	Stop Ring, Sensor Lever Retainer	AC
082	MLEVP0289AFZZ	Lever, Tape Operation Selector	AB	MO701, 702	RMOTV0099AFZZ	Motor	AV
083	MLEVP0290AFZZ	Lever, Deck 1 to 2 Sequential Playback	AB	SOL701	RPLU-0126AFZZ	Plunger Solenoid	AK
084	MSPRC0229AFFJ	Spring, Pause Lever Pin	AB	139	MSPRD0358AFFJ	Spring, Pause Lock Hold	AB
085	MSPRC0230AFFJ	Spring, Head Azimuth	AB	140	MSPRT0793AFFJ	Spring, Deck 2 Pause Arm	AB
086	MSPRC0231AFFJ	Spring, Solenoid	AB	141	MSPRT0794AFFJ	Spring, Deck 2 Playback Arm	AB
087	MSPRC0248AFFJ	Spring, Sensor Lever	AB	142	LX-WZ9069AFZZ	Washer, 4mm Dia	AA
088	MSPRD0311AFFJ	Spring, Over Stroke	AB	143	LX-WZ9070AFZZ	Washer, 3mm Dia	AA
089	MSPRD0312AFFJ	Spring, P.A.D. Lock Lever	AB	144	LANGF0645AFFW	Bracket, Main Chassis Strengthen	AC
090	MSPRD0359AFFJ	Spring, Pinch Roller	AB	145	LANGF0646AFFW	Bracket, Motor Retaining Bracket Strengthen	AD
091	MSPRD0315AFFJ	Spring, Record Sensor Lever	AB	146	LCHSM0384AFZZ	Second Chassis (Deck 1)	
092	MSPRD0316AFFJ	Spring, Fast Forward/Rewind Release	AB				
093	MSPRD0318AFFJ	Spring, Pause Cam	AB				
094	MSPRD0335AFFJ	Spring, Sub Chassis Lock	AB				
095	MSPRD0344AFFJ	Detent Spring, Tape Operation Selector Lever	AA				
096	MSPRD0348AFFJ	Spring, Pinch Roller Return	AA				
097	MSPRD0349AFFJ	Spring, P.A.D. Gear	AB				
098	MSPRP0251AFFJ	Plate Spring, Sub Chassis Retainer	AB				
099	MSPRP0252AFFJ	Spring, Cassette Retainer	AB				
					MISCELLANEOUS		
				201	GCAB-1086AFSA	Front Cabinet Assembly	BG
				201-1	GCABA1605AFSA	Front Cabinet	BE
				201-2	HDECQ0134AFSA	Decoration Plate, Built-in Microphone	AD
				201-3	NPNLC1330AFSA	Operation Panel, Front	AM
				201-4	HPNLD1201AFSA	Window, Dial	AH
				202	GCABB1578AFSA	Rear Cabinet	BA

REF. NO.	PART NO.	DESCRIPTION	CODE	REF. NO.	PART NO.	DESCRIPTION	CODE
203	GFTAB1122AFSA	Lid, Battery Compartment	AE	246	LHLDZ1149AFZZ	Holder, L.E.D.	AE
204	GFTAC1153AFSA	Cassette Compartment	AK	247	LHLDZ1150AFZZ	Holder, L.E.D.	AD
205	GFTAC1154AFSA	Plate, Transparent, Cassette Compartment	AH	249	LX-CZ0002AFZZ	Screw, Cabinet Retaining	AB
206	HBDGB3062AFSA	SHARP Badge	AE	250	MLEVP0291AFZZ	Lever, Record/Playback Selector	AC
207	HBDGS1052AFSA	Duble Cassette Badge	AD	251	MLEVP0292AFZZ	Lever, Cassette Compartment Lock	AC
208	HDALM0330AFSA	Plate, Dial	AM	252	MLEVP0296AFZZ	Lever, Tape Operation Selector	AC
209	HDAP-0190AFSA	Back Plate, Dial	AE	253	MLIFP0011AFZZ	Damper, Cassette Compartment	AG
210	HDECA0473AFSA	Decoration Plate, Cassette Compartment	AE	255	MSPRC0190AFFJ	Spring, Battery Terminal	AC
211	HDECB0157AFSA	Mirror, Cassette Compartment	AC	256	MSPRC0192AFFJ	Spring, Battery Terminal	AB
212	HDECQ0135AFSA	Decoration Plate, Cassette Compartment	AD	257	MSPRD0345AFFJ	Spring, Cassette Compartment	AB
213	HDECQ0146AFSA	Decoration Plate, Deck 1 Cassette Compartment	AE	258	MSPRT0304AFFJ	Spring, Dial Stringing	AA
214	HDECQ0147AFSA	Decoration Plate, Deck 2 Cassette Compartment	AE	259	MSPRT0765AFFJ	Spring, Cassette Compartment Lock Lever	AB
215	HDECQ0144AFSA	Scale, Cassette Compartment	AF	260	MSPRZ0056AFFJ	Spring, Cassette Compartment	AA
216	HGRL-1073AFSA	Decoration Grill, Speakers	AN	261	NBLTK0194AFZZ	Belt, Tape Counter Drive	AC
△ 217	HINDP0326AFSA	Label, Warning (GF-777Z)	AC	262	NDRM-0167AFZZ	Drum, Dial Stringing	AG
	HINDP0338AFSA	Label, Warning (GF-777)	AC	● 262-1		Drum Assembly	
218	HPNC-0138AFSA	Punching Metal	AU	263	NPLYD0052AFZZ	Pulley, Dial Stringing	AB
△ 219	HINDP0325AFSA	Label, Specifications (GF-777Z)	AC	264	NPLYD0054AFZZ	Pulley, Dial Stringing	AB
	HINDP0337AFSA	Label, Specifications (GF-777)	AC	265	NSFTD0210AFZZ	Shaft, Tuning Control	AH
220	HSSND0277AFSB	Pointer	AD	△ 266 (A, B, C)	PCOVP1174AFZZ	Cover, Power Assembly (GF-777)	AH
221	JHND A1054AFSA	Handle	AW	267	PCOVZ7061AF00	Cover, Battery Compartment	AC
222	JKNBK0225AFSA	Knob, Volume Control	AF	268	PCUSU0128AFZZ	Cushion, Coil	AA
223	JKNBK0226AFSA	Knob, Echo/Mic. Fader/Tape Fader/Bass Tone Control/Treble Tone Control/Balance Control	AE	269	PCUSU0231AF00	Cushion, Battery Compartment	AB
224	JKNBK0227AFSA	Knob, Recording Level Control (Large)	AE	270	PFLT-0127AF00	Felt, Battery Compartment	AA
225	JKNBK0228AFSA	Knob, Recording Level Control (Small)	AE	271	PGUMM0144AF00	Gum, Punching Metal Retainer	AA
226	JKNBK0229AFSA	Knob, Super Woofer Sound	AC	272	PRDAR0252AFZZ	Heat Sink	AG
227	JKNBM0392AFSA	Knob, Function Selector/Recording Mode Selector/Dubbing Switch/Tape Selector/Super Noise Reduction System Switch/Meter Indication Selector/FM Mode Mute Switch/Mic. Mixing/Loudness	AD	273	PTPEC0005AG00	Ribbon, Battery Compartment	
228	JKNBM0393AFSA	Knob, Tape Operation Mode Selector	AE	△	QACCL0050AF00	AC Supply Cord (GF-777Z)	AM
229	JKNBM0394AFSA	Knob, Power Switch	AE	△	QACCZ0051AF00	AC Supply Cord (GF-777Z)	AH
230	JKNBN0480AFSA	Knob, Tuning Control	AL	△	QACCD0051AF00	AC Supply Cord (GF-777)	AH
231	JKNBZ0205AFSA	Knob, APLD Input Button	AK	274	QANTR0116AFZZ	FM/SW2/SW1 Telescopic Aerial	AN
232	KCOUB0108AFZZ	Digital Tape Counter	AK	CNP702,802 } QCNCM0402SGZZ	Plug, 4 Pin	AB	
233	LANGK0259AFFW	Bracket, Lever Retainer	AA	CNP803,501 }			
234	LANGK0260AFFW	Bracket, Jack Retaining	AB	CNP703	QCNCM0503SGZZ	Plug, 5 Pin	AC
235	LANGQ0815AFFW	Terminal, Junction	AA	CNP801	QCNCM0705SGZZ	Plug, 7 Pin	AC
236	LANGT1018AFFW	Bracket, P.A. Board Retaining	AC	CNP804	QCNCM095BAFZZ	Plug, 2 Pin	AB
237	LHLDLF1247AFZZ	Main Frame	AT	CNP1	QCNCM1001AGZZ	Plug, 10 Pin	AC
● 237-1		Main Frame Assembly		CNP901	QCNCM1318AFZZ	Plug, 2 Pin	AC
238	LHLDLF1248AFZZ	Sub Frame	AL	CNP701,805	QCNCM136CAFZZ	Plug, 3 Pin	AB
239	LHLDQ1052AFZZ	Holder, Power Switch	AE	CNP102	QCNCM398BAFZZ	Plug, 2 Pin	AB
240	LHLDW1068AFZZ	Nylon Band, 100mm	AA	CNP101	QCNCM399CAFZZ	Plug, 3 Pin	AB
241	LHLDW1072AFZZ	Wire Holder, 11.5mm Dia	AB	CNP103	QCNCM400DAFZZ	Plug, 4 Pin	AB
242	LHLDW1075AFZZ	Nylon Band, 60mm Dia	AA	CNS101	QCNW-0996AFZZ	Socket, 3 Pin with Wire Leads	AG
243	LHLDW9003CEZZ	Wire Holder, 45mm	AA	CNS103	QCNW-0997AFZZ	Socket, 4 Pin with Wire Leads	AG
244	LHLDX1054AFSA	Guide, Cassette Compartment	AG	CNS102	QCNW-0998AFZZ	Socket, 2 Pin with Wire Leads	AE
245	LHLDZ1125AFZZ	Holder, Tweeter	AD	CNS803	QCNW-0999AFZZ	Socket, 4 Pin with Wire Leads	AE
				CNS802	QCNW-1000AFZZ	Socket, 4 Pin with Wire Leads	AF
					QCNW-1002AFZZ	Jumper, 3 Leads, 460mm	AC
					QCNW-1004AFZZ	Jumper, 5 Leads, 320mm	AC
					QCNW-1005AFZZ	Jumper, 5 Leads, 80mm	AB
					QCNW-1006AFZZ	Jumper, 3 Leads, 80mm	AB
					QCNW-1008AFZZ	Jumper, 5 Leads, 500mm	AD
					QCNW-1009AFZZ	Jumper, 7 Leads, 60mm	AB
					QCNW-1031AFZZ	Jumper, 4 Leads, 260mm	AC
					QCNW-1032AFZZ	Jumper, 4 Leads, 520mm	AD
					QCNW-1036AFZZ	Jumper, 3 Leads, 60mm	AB
					QCNW-1037AFZZ	Jumper, 5 Leads, 60mm	AB
					QCNW-1038AFZZ	Jumper, 8 Leads, 60mm	AC

REF. NO.	PART NO.	DESCRIPTION	CODE	REF. NO.	PART NO.	DESCRIPTION	CODE
CNS501	QCNW-1228AFZZ	Socket 4 Pin/Plug 2 Pin x 2/ Plug 3 Pin/Plug 4 Pin with Wire Leads Assembly	AM	SW108(A~D)	QSW-B0135AFZZ	Switch, FM Mode/Mute	AF
	QCNW-1216AFZZ	Jumper, 8 Leads, 80mm	AC	SW102(A~D)	QSW-B0136AFZZ	Switch, Function	AG
CNS804	QCNW-1217AFZZ	Socket 2 Pin/Plug 2 Pin x 2/ Plug 8 Pin with Wire Leads Assembly	AN	SW501(A~D)	QSW-B0136AFZZ	Switch, Mixing Microphone	AG
CNS702	QCNW-1218AFZZ	Socket, 4 Pin with Wire Leads	AF	SW712	QSW-F0116AFZZ	Switch, Editing	AD
CNS703	QCNW-1219AFZZ	Socket, 5 Pin with Wire Leads	AE	SW801	QSW-F0132AFZZ	Switch, Power	AD
CNS1	QCNW-1220AFZZ	Socket 10 Pin/Plug 3 Pin/ Plug 4 Pin/Plug 7 Pin with Wire Leads Assembly	AL	SW701	QSW-F0137AFZZ	Switch, Deck 1 Main C	AE
CNS805	QCNW-1221AFZZ	Socket, 3 Pin with Wire Leads	AE	SW702	QSW-F0137AFZZ	Switch, Deck 2 Main C	AE
CNS801	QCNW-1222AFZZ	Socket, 7 Pin & Plug 3 Pin with Wire Leads	AH	SW705	QSW-F0137AFZZ	Switch, Deck 1 APLD	AE
	QCNW-1223AFZZ	Plug 2 Pin/Plug 3 Pin x 3/ Plug 7 Pin/Plug 9 Pin with Wire Leads Assembly	AQ	SW713	QSW-F0137AFZZ	Switch, Pause	AE
	QCNW-1224AFZZ	Plug 2 Pin/Plug 3 Pin with Wire Leads Assembly	AL	SW710	QSW-F0159AFZZ	Switch, Deck 1 Main A	AE
	QCNW-1225AFZZ	Plug 2 Pin/Plug 3 Pin with Wire Leads Assembly	AP	SW711	QSW-F0159AFZZ	Switch, Deck 2 Main A	AE
	QCNW-1226AFZZ	Plug 2 Pin/Plug 3 Pin with Wire Leads Assembly	AF	SW703	QSW-F0160AFZZ	Switch, Deck 1 Main B	AE
	QCNW-1227AFZZ	Plug 2 Pin/Plug 3 Pin with Wire Leads Assembly	AG	SW704	QSW-F0160AFZZ	Switch, Deck 2 Main B	AE
CNS901	QCNW-1231AFZZ	Socket, 2 Pin with Wire Leads	AD	SW707	QSW-F0162AFZZ	Switch, Deck 1 APLD Cut	AE
CNS701	QCNW-1232AFZZ	Socket, 3 Pin with Wire Leads	AE	SW601	QSW-K0050AFZZ	Switch, APLD Input	AC
△ F901	QFS-C252CAGNI	Fuse, 2.5A	AE	SW602	QSW-K0050AFZZ	Switch, APLD Input	AC
△ 275	QFSD2051AFZZ	Fuse Holder	AA	SW709(A,B)	QSW-P0295AFZZ	Switch, Tape Operation Mode Selector	AE
276	QHWS-3001AGFN	Lug	AA	SW1(A~H)	QSW-R0189AFZZ	Switch, Wave-Band Selector	AQ
J501	QJAKE0079AFZZ	Socket, Mixing Microphone	AE	SW806 (A)	QSW-S0267AFZZ	Switch, Beat Cancell	
J802, 803, J804, 805, 277	QJAKH0074AFZZ	Socket, External Speaker Socket, External Speaker (Super Woofer Sound)	AL	SW401(A,B)	QSW-S0309AFZZ	Switch, Phono/Line Input Selector	AF
J104	QJAKJ0089AFZZ	Jack Plate		SW101(A~L)	QSW-S0310AFZZ	Switch, Record/Playback	AG
J801	QJAKJ0090AFZZ	Socket, Headphone	AF	282	QTANB9112AFFN	Terminal, Battery	AB
J101 (A,B)		Line Output		283	QTANNO253AFZZ	Terminal, External FM Aerial	AE
J102 (A,B)		Phono/Line Input		PL201	RLMPM0089AFZZ	Lamp, Meter/Dial Indicator	AE
J102 (C)	QJAKZ0113AFZZ	Earthing Terminal	AQ	286	RMICC0076AFZZ	Built-in Microphone	AF
J103 (A,C)		External Microphone Input		ME201,202	RMTRL0206AFZZ	Meter, VU/Battery/Tuning	AW
J103 (B)		Remote		287	RREVA0010AFZZ	Reverberant Unit	AN
	QJUM-0009AFZZ	Jumper, 10mm			RTPEK0092AFZZ	Cassette Tape	AQ
	QJUM-0010AFZZ	Jumper, 20mm		288	LHLDW1089AFZZ	Wire Holder	AA
	QJUM-0011AFZZ	Jumper, 12.5mm		290	LHLDW1086AFZZ	Wire Holder	AA
	QJUM-0012AFZZ	Jumper, 10mm		291	QCNW-0664AFZZ	Wiring Lead, Telescopic Aerial	AF
	QJUM-0013AFZZ	Jumper, 12.5mm		292	LHLDW9002CEZZ	Wire Holder	AA
	QJUM-0014AFZZ	Jumper, 20mm		293	LX-WZ3017CEFN	Lock Washer	AA
280	QLUGP0109CEFW	Lug Terminal, 17mm	AA	294	LHLDZ1146AFZZ	Holder, Built-in Microphone	AC
281	QLUGP0111CEFW	Lug Terminal, 13mm	AA	295	PCOVU8127AFZZ	Cover, Lamp	AB
△	QPLGA0251AFZZ	Adaptor, AC Plug	AE	296	PCUSS0146AF00	Cushion, Echo P.W. Board	AA
△ SW902	QSOCE0578AFZZ	Voltage Selector (GF-777Z)	AG	297	LANGA0089AFFW	Bracket, Volume P.W. Board Retainer	AB
△ J901, 902, SW901	QSOCE0576AFZZ	Voltage Selector (GF-777)	AG	298	PCUSZ0012AFZZ	Shading, L.E.D.	AA
	QSOCZ2185AFZZ	AC Input	AH	299	PCUSZ0013AFZZ	Shading, L.E.D.	AA
		DC 15V Input		300	PGUMS0180AF00	Cushion, Power P.W. Board Protector	AC
		AC/DC Selector Switch		301	LANGF0639AFFW	Bracket, Tuning Shaft Retaining	AA
SW104	QSW-B0132AFZZ	Switch, Dubbing	AF	302	LHLDC1056AFZZ	Holder, Bar Antenna	AA
SW105	QSW-B0132AFZZ	Switch, Deck 1 Tape Selector	AF	303	JKNBK0245AFSA	Knob, Wave Band Selector	
SW301	QSW-B0132AFZZ	Switch, Super Noise Reduction System	AF	304	JKNBN0510AFSA	Knob, Fine Tuning	AG
SW502(A,B)	QSW-B0132AFZZ	Switch, Loudness	AF	306	LHLDS1056AFZZ	Spacer, Wave Band Selector Knob	AC
SW103(A~D)	QSW-B0133AFZZ	Switch, Recording Mode Selector	AG	307	LX-CZ0008AFZZ	Screw, Echo Retaining	
SW167(A~D)	QSW-B0134AFZZ	Switch, Meter Indication Selector/Battery Check	AG	308	PFLT-0130AG00	Felt, Sub Frame	AA
SW106	QSW-B0135AFZZ	Switch, Deck 2 Tape Selector	AF	309	PFLT-0462AF08	Felt, Cassette Compartment	AA
				310	PGUMS0190AF00	Cushion, Transformer	AA
				311	LANGH0142AFFW	Bracket, Handle Strengthen	AC
				312	LANGH0143AFFW	Bracket, Speaker Strengthen (Left)	AG
				313	LANGH0144AFFW	Bracket, Speaker Strengthen (Right)	AG
				314	PFLT-0464AF00	Felt, Air Duct	AA
				315	PGUMS0187AF00	Cushion, P.W. Board	AB
				316	LHLDW1073AFZZ	Wire Holder	AA
				317	LHLDW1059AFZZ	Wire Holder	
				318	HINDP0341AFSA	Label, FCC	AC
				319	PFLT-0339AF00	Felt,	
				320	PGIDF0053AF00	Felt, Transformer	

REF. NO.	PART NO.	DESCRIPTION	CODE	REF. NO.	PART NO.	DESCRIPTION	CODE
321	PGUMS0194AF00	Cushion, Transformer			TLABZ0181AFZZ	EP Label, For PX (GF-777Z)	AA
322	LANGF0657AFFW	Bracket, Switch P.W. Board Strengthen			TLABZ0195AFZZ	Label, POP (L) (GF-777Z)	
	SPAKA0745AFZZ	Packing Add, Lower Side	AH		TLABZ0197AFZZ	Label, POP (R) (GF-777Z)	
	SPAKA0746AFZZ	Packing Add, Upper Side	AH		TLABZ0205AFZZ	Label, POP (L) (GF-777)	
	SPAKC1759AFZZ	Packing Case (GF-777Z)	AT		TLABZ0206AFZZ	Label, POP (R) (GF-777)	
	SPAKC1797AFZZ	Packing Case (GF-777)	AU		TLABP0193AFZZ	Label, Speaker	AB
	SPAKX0419AFZZ	Cushion, Packing (Back)			TLSTS0001ZZR0	Service Station List, For Users in Australia (GF-777Z)	
	SPAKX0425AFZZ	Cushion, Packing (Punching Metal)			TMAPC0791AFZZ	Schematic Diagram (GF-777Z)	
	SSAKH0020SEZZ	Bag, Unit	AE		UBATU0003AGZZ	Battery (GF-777Z)	
	SSAKH0024AGZZ	Bag, Operation Manual	AA		VSP0050TB344A	Speaker, Tweeter	AN
	TCAUA0178AFZZ	Caution Label, Arabic, AC Supply Cord (GF-777Z)	AA	SP1, 3	VSP0016PB614A	Speaker, Woofer	
	TGANE1118AFZZ	Warranty Card, For Users in Australia (GF-777Z)	AC	SP2, 4	VSP0016WB604A	Speaker, Super Woofer	AX
	TGANE1121AFZZ	Warranty Card, For PX (GF-777Z)	AC	SP5, 6			
	TINSZ0296AFZZ	Operation Manual (GF-777Z)	AN		PWB ASSEMBLY (Not Replacement Item)		
	TINSE0745AFZZ	Operation Manual (GF-777)	AQ		DUNTLO147AF03	Pre-amp. Circuit	-
323	TLABH0134AFZZ	Label, Antenna	AH		DUNTM0063AF05	Power Amp. Circuit	-
	TLABZ0118AFZZ	Label, Free From Taxes (GF-777Z)	AB		DUNTR0169AF02	Tuner Circuit (GF-777Z)	-
	TLABZ0135AFZZ	Label, Arabic (GF-777Z)	AA		DUNTR0173AF02	Tuner Circuit (GF-777)	-
	TLABZ0155AFZZ	Caution Label	AA		DUNTZ0441AF02	Mechanism Circuit	-
	TLABS0096AFZZ	Label, LA	AB				

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