

SHARP SERVICE MANUAL

SX3E7GF-575ZB



Auto Program Locate Device



Auto Program Pause System



PHOTO: GF-575Z

GF-575Z
GF-575ZB

Caution!

Under the employment of latest technologies this set uses leadless parts. Consult page 21, 22 without fail before replacing them.

From this Service Manual, you can see "Tape Speed Adjustment," "Record/Playback Head Azimuth Adjustment" and "Audio Circuit Adjustment". But for "Mechanism Adjustment" and "Radio Circuit Adjustment", refer to the GF-777Z Service Manual (SX3E6GF-777Z/) already issued.

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

- **Double-Cassette for Easy Editing**
 - * High speed dubbing system
 - * Auto program pause system 5-programs
 - * APLD 5-programs
- **Soft Touch Tape Operation**
- **Metal Tape Capability**
- **16cm 2-Way 4-Speaker System**
- **Separate Bass/Treble Control**

INDEX TO CONTENTS

SPECIFICATIONS	2
POWER SUPPLY/VOLTAGE SELECTION	2
NAMES OF PARTS	3, 4
DIAL CORD STRINGING	4
DISASSEMBLY	5, 6
EQUIVALENT CIRCUIT OF INTEGRATED CIRCUIT	7
BLOCK DIAGRAM	7, 8
CIRCUIT DESCRIPTION	9
ELECTRICAL ADJUSTMENT	10
MECHANICAL ADJUSTMENT	11
NOTES ON SCHEMATIC DIAGRAM	12
SCHEMATIC DIAGRAM	13, 14, 19
WIRING SIDE OF PRINTED WIRING BOARD	15 ~ 18, 19, 20
INFORMATION OF LEADLESS TYPE RESISTORS, CAPACITORS AND JUMPERS	21, 22
CABINET EXPLODED VIEW	23 ~ 25
MECHANISM EXPLODED TOP VIEW	26
MECHANISM EXPLODED BOTTOM VIEW	27
REPLACEMENT PARTS LIST	28 ~ 36

SHARP CORPORATION OSAKA, JAPAN

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

SPECIFICATIONS

GENERAL

Power source: AC 110 ~ 127/220 ~ 240V, 50/60Hz
DC 15V (UM/SUM-1, R-20, HP-2 or
battery x 10, "D" or external DC
supply)

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

Output power: PMPO; 32W (16W + 16W)
MPO; 26W (13W + 13W)
RMS; 14W (7W + 7W)

Semiconductors: 11-IC's
47-Transistors
1-FET
63-Diodes
14-LED's

Dimensions: Width; 666mm
Depth; 149mm
Height; 269mm

Weight (without batteries):
7.9kg (17.4 lbs.)

TAPE RECORDER/PLAYER

Tape: Philips-type compact cassette tape

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

S/N ratio: Tape 2 50dB (Recording)
Tape 1 55dB (Playback)

Wow and flutter: 0.06% (WRMS)

Input impedance: Mixing/External Mic; 600 ohms
Phono/Line in; 50K ohms/20K ohms

Output impedance: Headphones; 8 ohms to 25 ohms
External speaker; 3.2 ohms to 8 ohms
Line out; 50K ohms

RADIO

Frequency range: AM; 526.5kHz to 1,606.5kHz
SW₁; 2.3MHz to 7.3MHz
SW₂; 7.3MHz to 22MHz
FM; 87.6MHz to 108MHz

Specifications for this model are subject to change without
prior notice.

POWER SUPPLY

The GF-575Z/ZB Unit will operate on an AC mains supply of
110 ~ 127 Volts, or 220 ~ 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).

VOLTAGE SELECTION

Before operating the unit on mains, check the preset voltage.
If the voltage is different from your local voltage, adjust the
voltage as follows: Slide the AC power supply socket cover by
a little loosening screw to the visible indication of the side of
your local voltage. See Fig. 2-1.

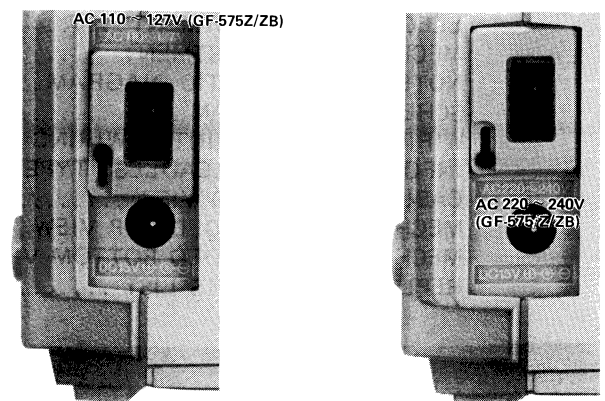


Figure 2-1

NAMES OF PARTS

1. Tweeter (Left)

2. Built-in Microphone (Left)

3. Power Switch

4. Band Selector

5. Built-in Microphone (Right)

6. Tweeter (Right)

7. Tuning Control
8. Fine Tuning Control

9. Woofer (Right)

10. Deck 2: Cassette Compartment

11. Mixing Microphone/External Microphone Sockets

12. Headphones Socket

13. Deck 1: Cassette Compartment

14. Woofer (Left)

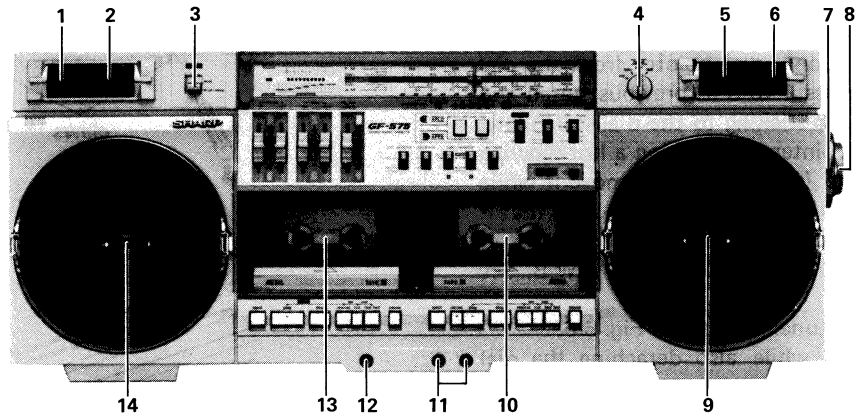


Figure 3-1

15. Power On/Battery Level Indicator

16. Level Meter

17. APLD Clear/APPS Restart Button

18. APLD Start Set/APPS Pause Set Button

19. APPS End-Pause Indicator

20. APLD/APPS Programme Number Indicators

21. Dubbing Indicator

22. FM Stereo Indicator

23. FM Mode/FM Muting Switch

24. Function Selector Switch

25. Tape Counter Reset Button

26. Deck 2: Digital Tape Counter

27. Dubbing Mode Selector Switch

28. Deck 2: Record Muting Button

29. Deck 2: Tape Selector Switch

30. Deck 1: Tape Selector Switch

31. Loudness Switch

32. Microphone Selector Switch

33. Mixing Microphone Volume Control
34. Treble Tone Control

35. Bass Tone Control

36. Right Volume Control

37. Left Volume Control

38. Deck 1: Eject Button

39. Deck 1: Play Button

40. Deck 1: Stop Button

41. Deck 1: Rewind/Review/Reverse APLD Button

42. Deck 1: Cut Button

43. Deck 1: Fast Forward/Cue/Forward APLD Button

44. Deck 1: Pause Button

45. Deck 2: Eject Button

46. Deck 2: Record Button

47. Deck 2: Play Button

48. Deck 2: Stop Button

49. Deck 2: Rewind/Review Button

50. Deck 2: Cut Button

51. Deck 2: Fast Forward/Cue Button

52. Deck 2: Pause Button

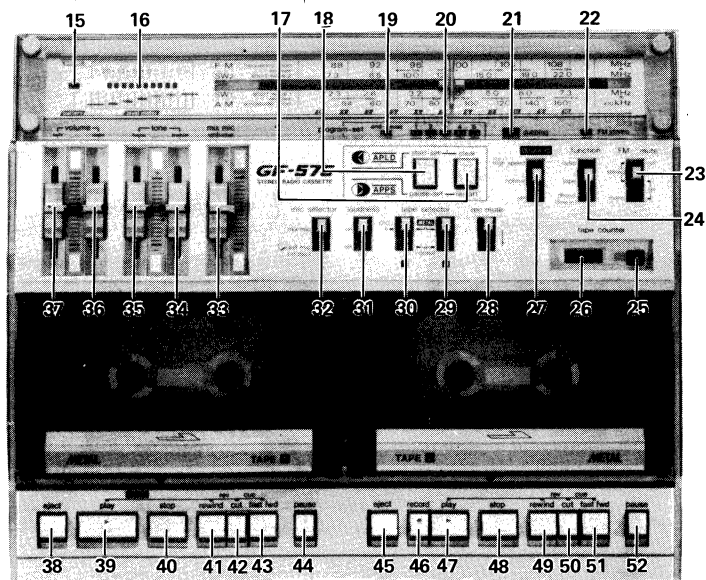


Figure 3-2
-3-

53. FM/SW Telescopic Rod Aerial

54. External Speaker Sockets

55. Beat Cancel Switch

56. Line Output Sockets

57. Input Selector Switch
58. Line Input/Phono Input Sockets

59. Earth Terminal

60. Battery Compartment

61. AC Power Supply Socket

62. External DC Power Supply Socket

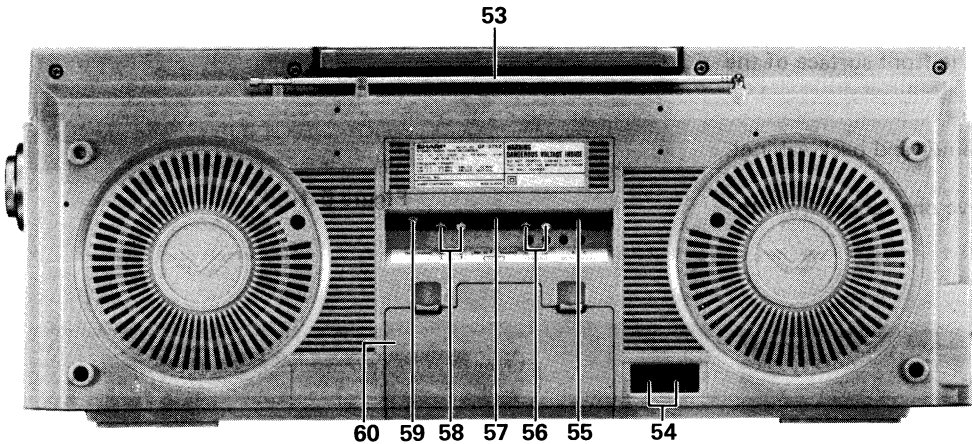


Figure 4-1

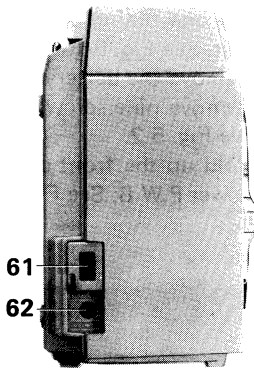


Figure 4-2

DIAL CORD STRINGING

1. Turn the drum fully counterclockwise, and set the cord in the numerical order from 1 to 10 as shown in Fig. 4-4.
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. 4-3.

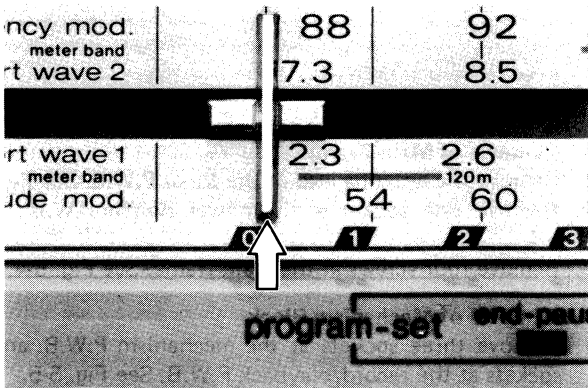
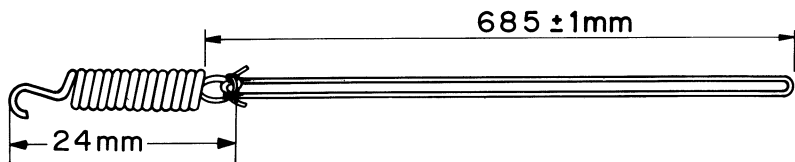


Figure 4-3

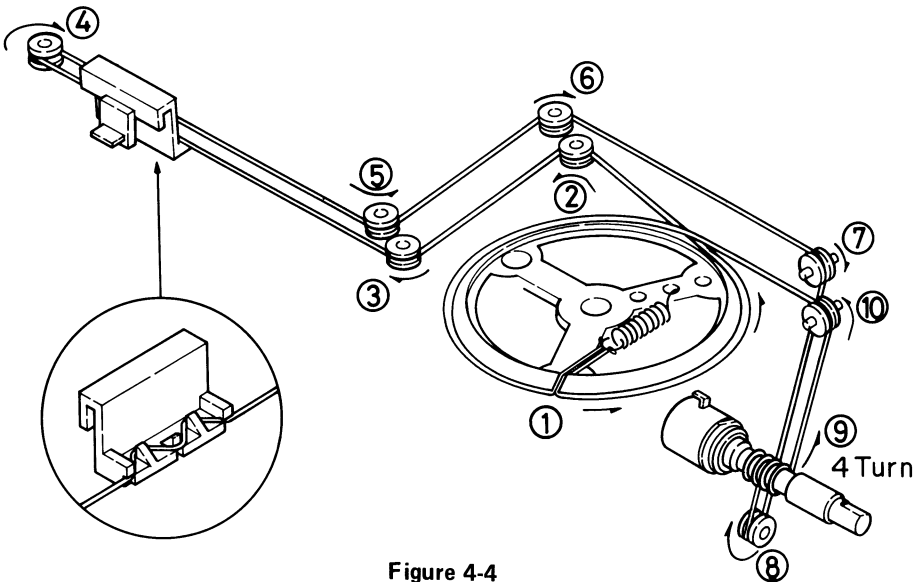


Figure 4-4

DISASSEMBLY

Caution:

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

● Removal of Front Cabinet and Back Cabinet

1. Pull out five control knobs, one fine tuning control knob, and one tuning control knob, all at the front surface of the unit. See Fig. 5-1.
2. Remove the battery compartment.
3. Remove nine screws at the front cabinet and back cabinet. See Fig. 5-2.
4. Hold up the front cabinet, and remove one socket from the power P.W.B. See Fig. 5-3.

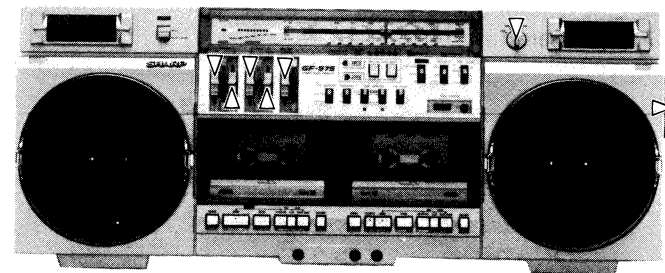


Figure 5-1

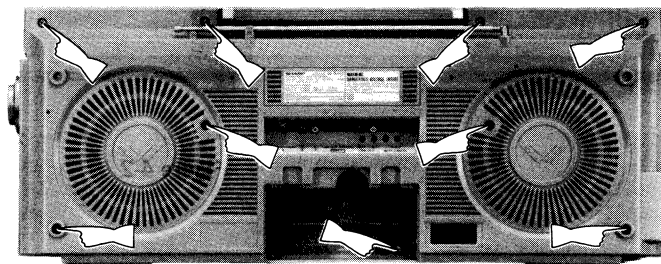


Figure 5-2

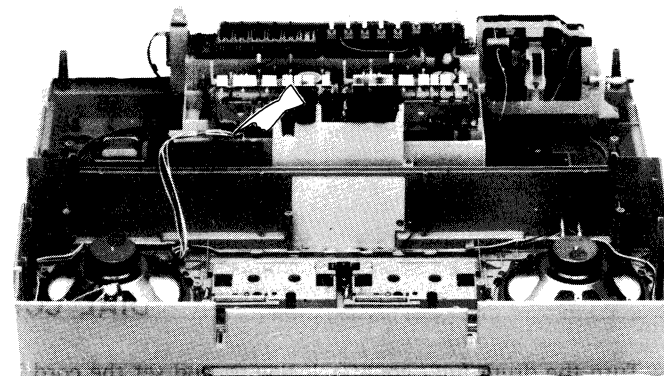


Figure 5-3

● Removal of Main Frame

1. Remove the antenna lead at the tuner P.W.B. See Fig. 5-4.
2. Remove one socket at the power switch P.W.B. See Fig. 5-4.
3. Remove four screws at the main frame. See Fig. 5-4.

● Removal of Mechanism Block

1. Remove three sockets at the mechanism P.W.B. and three sockets at the record/playback P.W.B. See Fig. 5-5.
2. Detach the tape counter drive belt from the tape take-up reel disk. See Fig. 5-6.
3. Remove three screws at the mechanism block, and shift the mechanism block forwards and detach. See Fig. 5-6.

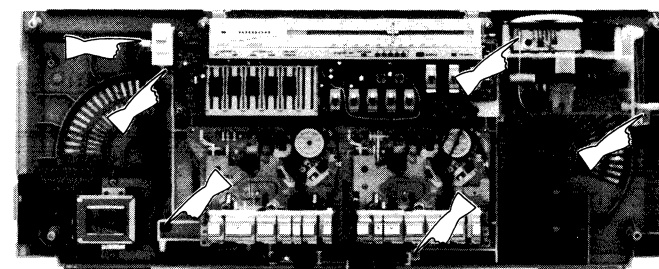


Figure 5-4

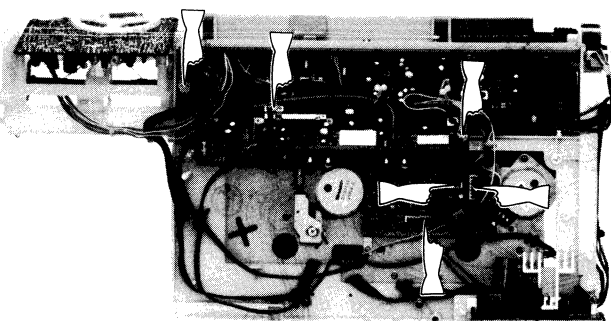


Figure 5-5

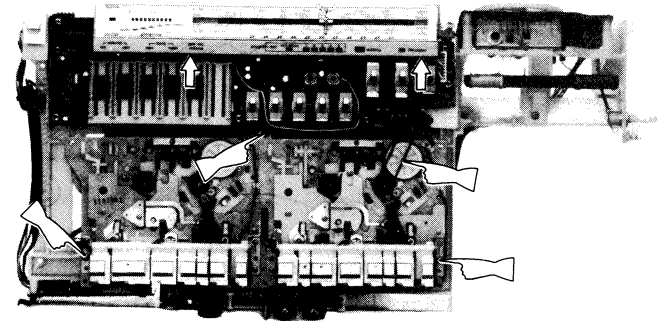


Figure 5-6

● Removal of Tuner Frame

1. Stick cellophane tape on the right end of the dial scale plate, as not to get injured the plate. See Fig. 6-1.
2. Detach the string from the dial pointer.
3. Move the dial pointer to the right end (Fig. 6-1).
4. Take out two claws situated at the bottom of the dial scale plate from the dial stringing frame as shown in Fig. 6-2.
5. First, take off the upper left of the dial scale plate, and then, another right tab, and the dial pointer can be removed with the dial scale plate.
6. In the case of removing only dial pointer from the dial scale plate, do the process 1 to 5 as previous stated and then keep the dial pointer sticking to the dial scale plate. Next, heating the dial pointer up by using a hot-blowing drier for about a minute (See Fig. 6-4), remove it while hooking a string over its root as shown Fig. 6-5, so that it can be removed from the dial scale plate.
7. Remove one socket at the record/playback P.W.B. See Fig. 6-6.
8. Remove one screw at the tuner frame. See Fig. 6-6.
9. Detach the tuner frame while also detaching the dial string.
10. Remove one screw and two tabs at the dial stringing frame, and detach the frame. See Fig. 6-7.

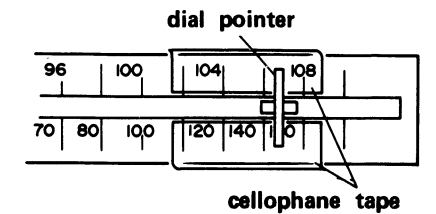


Figure 6-1

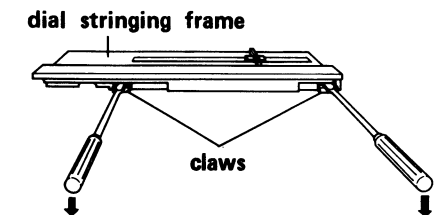


Figure 6-2

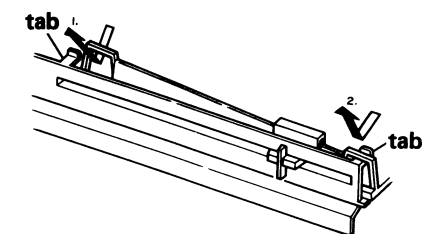


Figure 6-3

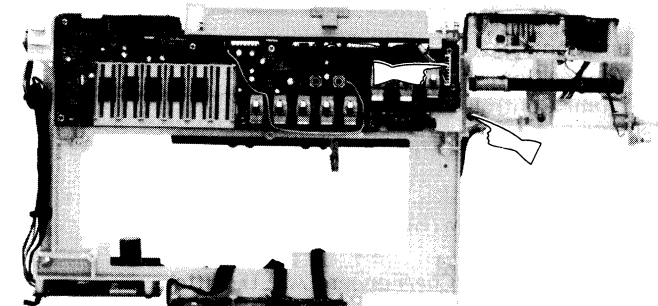


Figure 6-6

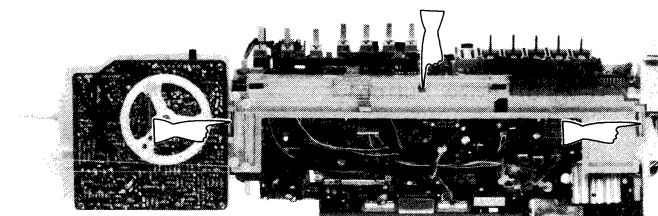


Figure 6-7

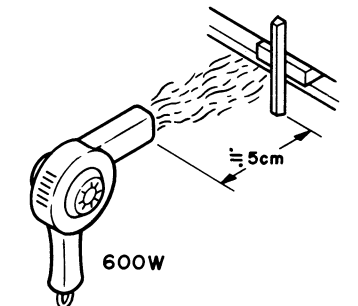


Figure 6-4

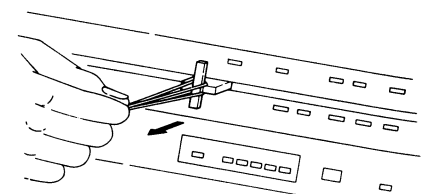


Figure 6-5

● Removal of Record/Playback P.W.B.

1. Remove eight screws at the record/playback P.W.B., and shift it upwards and detach. See Figs. 6-8 and 6-9.

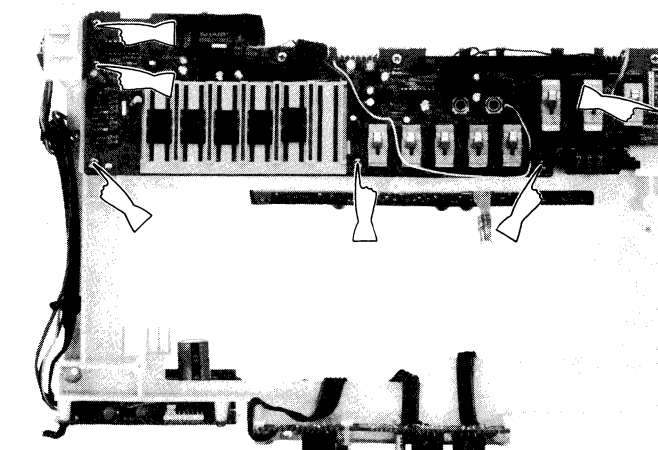


Figure 6-8

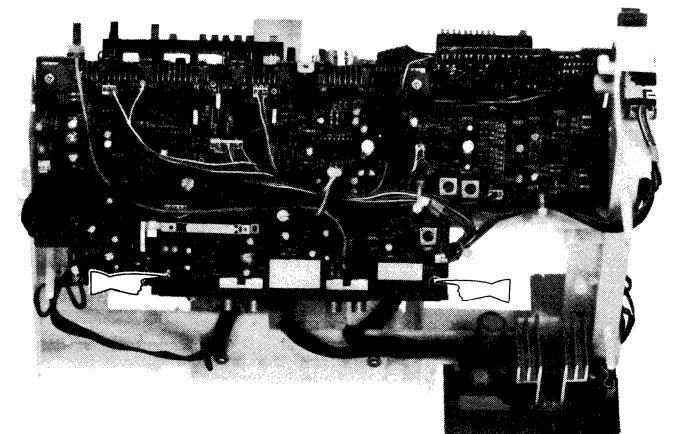
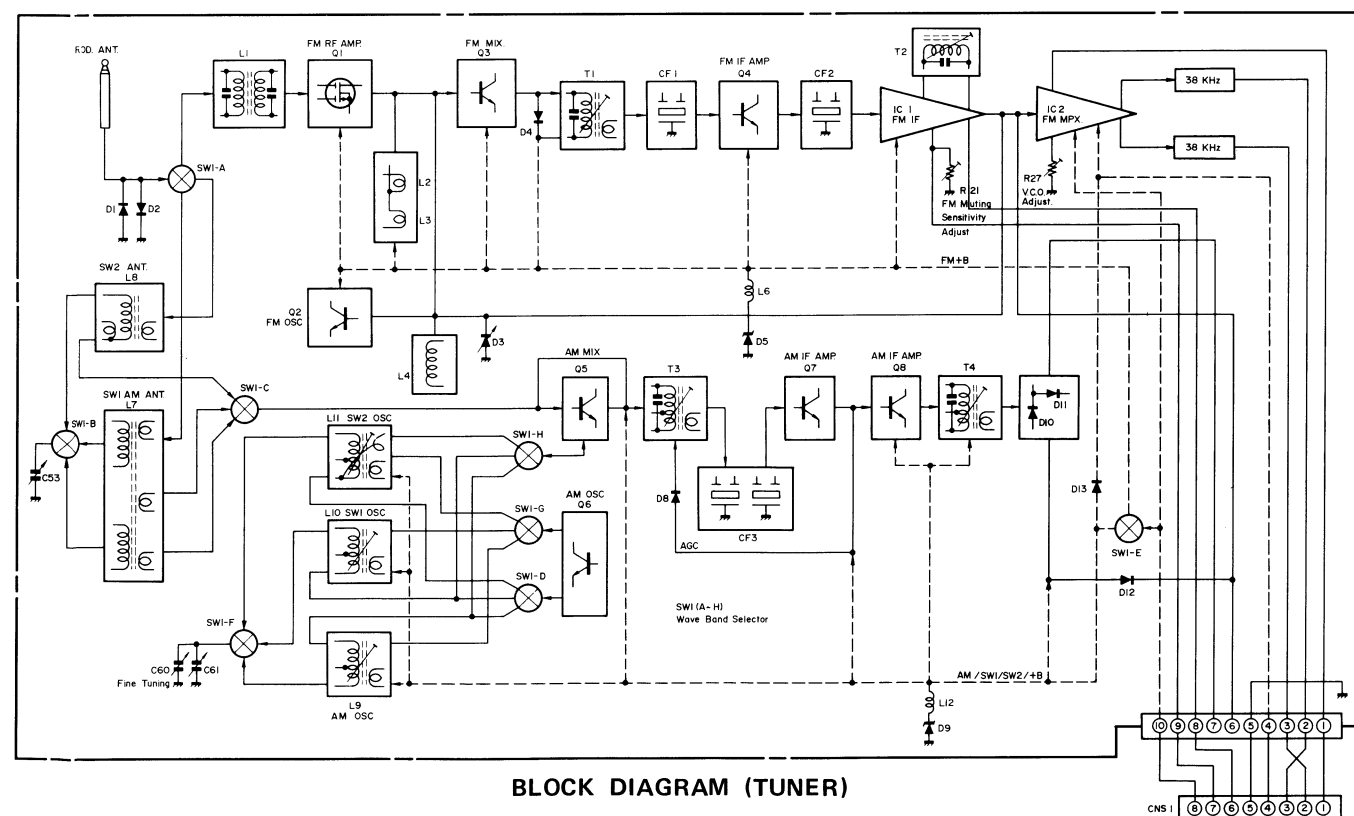
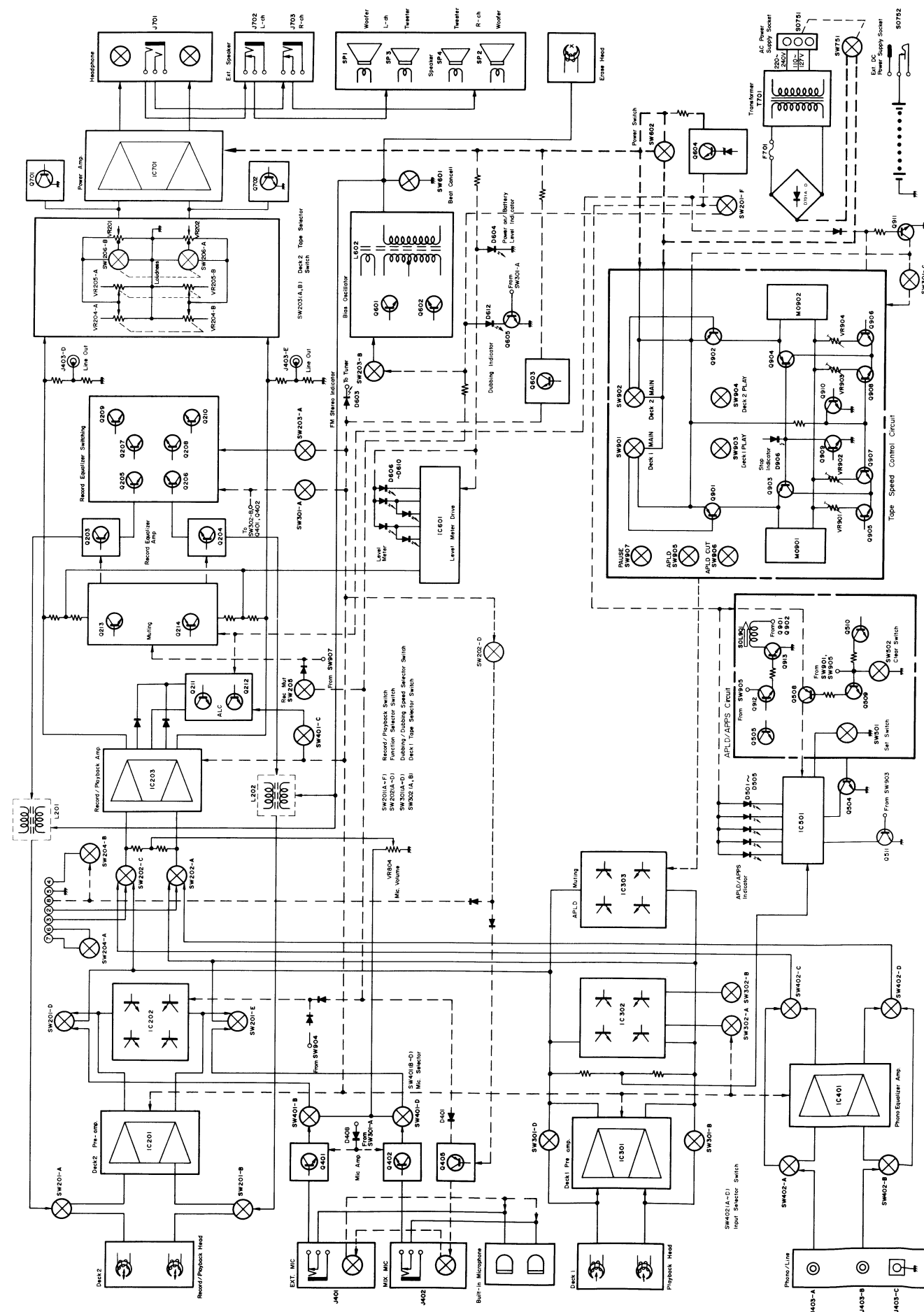


Figure 6-9

The diagram illustrates the internal structure of an integrated circuit with 16 pins. The pins are labeled as follows: 1 (Input), 2, 3, 4, 6, 7, 8 (Output), 9, 10, 11, 12, 13, 14 (+B), 15, and 16 (Vcc). The circuit includes several functional blocks: an input control circuit, an output control circuit, a detector circuit, a rectifier circuit, a comparison circuit, a Schmitt circuit, a control circuit, a constant voltage circuit, a CP F/F reset, and a power-on reset circuit. The diagram shows the interconnections between these blocks and the pins, including various logic gates, flip-flops, and comparators.



-7-



-8-

CIRCUIT CONSTRUCTION

It is possible to select either normal tape speed or high tape speed when you perform dubbing from the deck 1 to the deck 2 and the high speed is twice as fast as the normal speed.

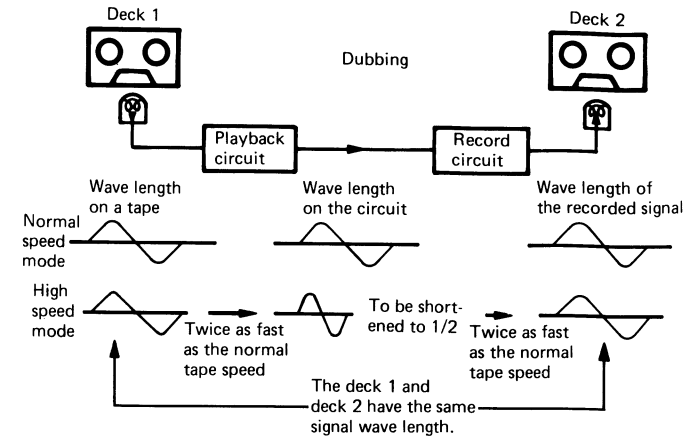


Figure 9-1

• Normal speed/high speed playback selector circuit

Being provided at the deck 1, the NF circuit works to select the normal speed mode or the high speed mode: the frequency at the high speed is two times higher than that at the normal speed. Here is also given proper equalization for the signals of both speed modes. IC302 changes its constant according to whether a normal tape or a metal tape has been loaded in the unit.

• Normal Speed/High Speed Selector Circuit

Change of the motor's rotational speed results in a changeover between the tape normal speed and high speed modes. The electronic switch is used to act on the deck 1 and deck 2 at a time as their speeds are changed. Fig. 9-2 shows how the circuit works to get the unit in the high speed mode, whose expression is made with use of the mechanical switch instead of the electronic switch.

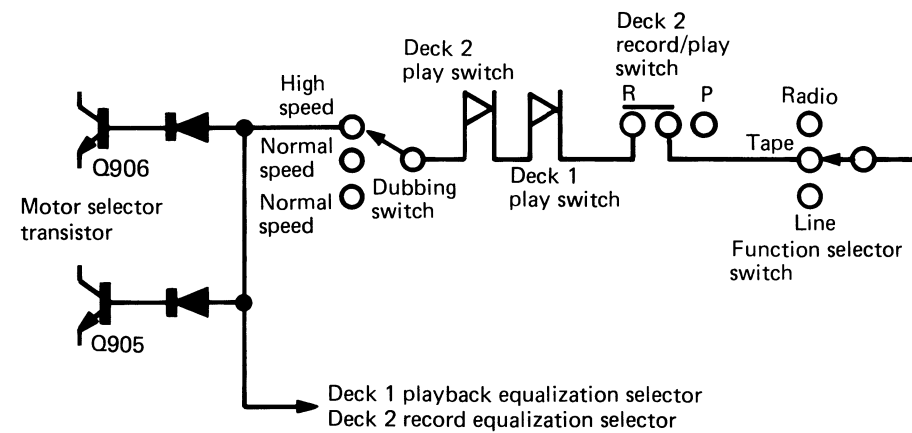


Figure 9-2

• APPS (Automatic Program Pause System)

The existing APLD, as you know, is to automatically detect an end of the program when the unit is in fast forward or rewind mode and then to return it to play mode. The APPS employed for the GF-575Z/ZB is something new which is based on the same ideas as with such APLD, and it is activated not only when the unit is in play mode (at the deck 1 only) but also when it is in dubbing mode (from the deck 1 to the deck 2). In the dubbing mode (either at normal speed or at high speed), as soon as an end of the program is detected by the APLD in the deck 1, the APPS works to stop the motor circuits of both decks 1 and 2 simultaneously — that is, motions of the deck 1 and deck 2 are stopped just at a time.

Therefore, the deck 1 has two automatic controls — APLD and APPS, that is, it is controlled by the APLD when it is in play mode (with the deck 2 in stop mode) and by the APPS when it is in dubbing mode.

The two controls APLD and APPS are differentiated by the following:

- Difference in gain and frequency characteristic between APLD and APPS.
- Difference in program detect time between APLD and APPS

These differences are due to that the tape speed is different according to whether the unit is in play mode or dubbing mode, and according to these, the electronic switch selects the APLD or APPS to get it in action.

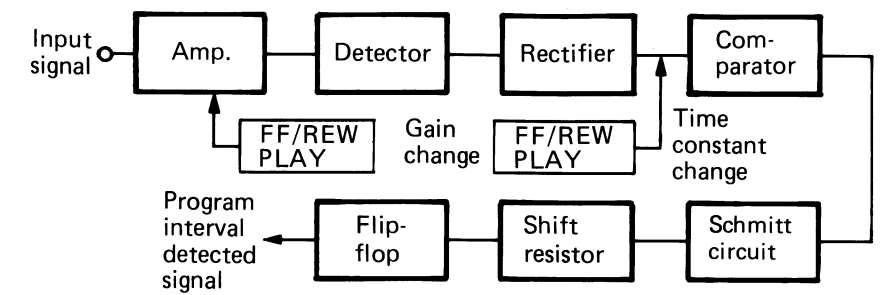


Figure 10-1

- For the mechanism adjustment and radio (high frequency) circuit adjustment, refer to the GF-777Z Service Manual.

AUDIO CIRCUIT ADJUSTMENT

• Record Amplifier Bias Current/Bias Oscillator Frequency Check

1. Make connection of instruments as shown in Fig. 10-2.
2. Set the deck 2 tape selector switch at "normal" position.
3. Place the unit in record mode, and adjust the bias oscillator frequency adjusting variable coil (L602) so that the bias oscillator frequency, on the oscilloscope's Lissajou's figure, is 100 to 104kHz.
4. Connect an electronic voltmeter to both ends of the resistor R201 or R202, and adjust the step-up coil L201 or L202 so that the voltmeter's reading is 6.4mV.

E.V. (Electronic Voltmeter)

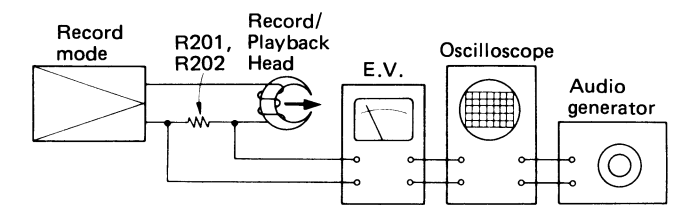


Figure 10-2

• Record Amplifier Erase Current Check

1. Make connection of instruments as shown in Fig. 10-3.
2. Place the unit in record mode, and set the deck 2 tape selector switch at "metal" position.
3. Check that the electronic voltmeter is reading 160mV and more.

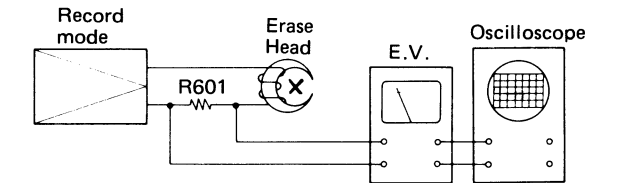


Figure 10-3

• Level Meter Sensitivity Check

1. Make connection of instruments as shown in Fig. 10-4.
2. Set the input selector switch at "line" position and the function selector switch at "phono/line" position.
3. Check that the level indicator "0 VU" lights when the input signal is of oscillation frequency 1kHz and -18dB, and that the level indicator "+3dB" lights when the input signal is of oscillation frequency 1kHz and -16dB. (0dB = 1V)

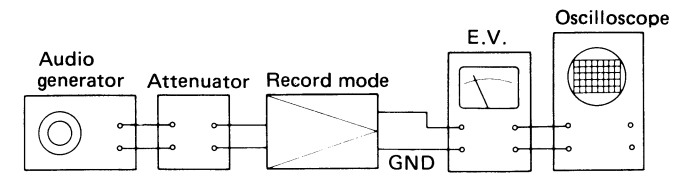


Figure 10-4

• Record Amplifier Sensitivity Check

1. Connect an audio generator to each of the input sockets shown in the table below, and apply a 1kHz signal to it.
2. Check that the level indicator "0 VU" lights with the different input voltages tabulated below, with the assumption of 0dB = 1V.

Lint input	35.5 ~ 70.8mV (-26 ±3dB, 0dB = 1V)
External mic input	0.14 ~ 0.28mV (-74 ±3dB, 0dB = 1V)
Mixing mic input	0.39 ~ 0.79mV (-65 ±3dB, 0dB = 1V)
Phono input	1 ~ 1.99mV (-57 ±3dB, 0dB = 1V)

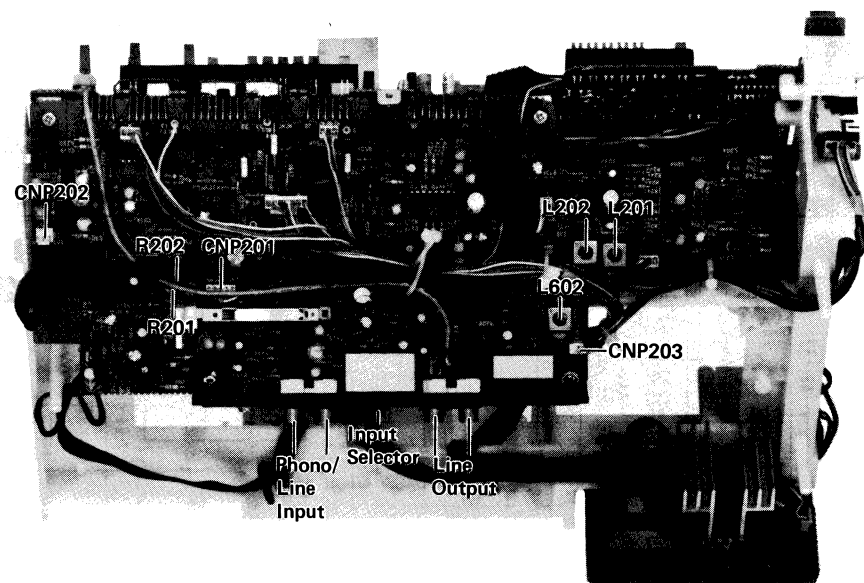


Figure 11-1

TAPE SPEED ADJUSTMENT

• For Normal Speed Operation:

1. Connect a wow/flutter meter to the line output socket across a 100Kohm resistor.
2. Play a test tape (TEAC, MTT-111, 3kHz prerecorded) — at its middle part but not at its start or end point.
3. Adjust the semi-variable resistors (VR902 for the deck 1 and VR903 for the deck 2) on the mechanism P.W.B. so that the output frequency is 2985 to 3015 Hz for the deck 1 and 2970 to 3000 Hz for the deck 2.

• For High Speed Operation:

At the deck 1;

1. Place the unit in high speed dubbing mode with a test tape (TEAC, MTT-118, 1kHz prerecorded) loaded in the deck 1.
2. Adjust the semi-variable resistor (VR901) on the mechanism P.W.B. so that the output frequency is 1990 to 2010 Hz on the wow/flutter meter.

At the deck 2;

1. Short the base and emitter (test pin) of the transistor Q911 on the mechanism P.W.B. Place the unit in high speed dubbing mode with a test tape (TEAC, MTT-118) loaded in the deck 2.

2. Adjust the semi-variable resistor (VR904) on the mechanism P.W.B. so that the output frequency is 1980 to 2000 Hz on the wow/flutter meter.

Note:

For the adjustment, arrange the deck 1 and deck 2 to provide the same speed.

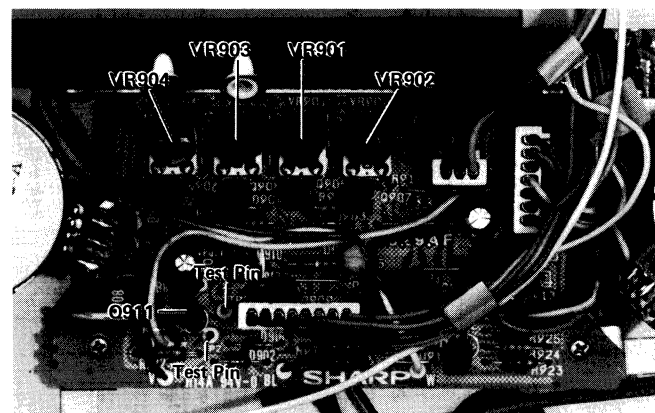


Figure 11-2

RECORD/PLAYBACK HEAD AZIMUTH ADJUSTMENT

1. Make connection of instruments as shown in Fig. 11-3.
2. Set the tape selector switch at "normal" and the dubbing mode selector switch at "normal" position.
3. Play a test tape (TEAC, MTT-114, 10kHz prerecorded).

4. Adjust the head azimuth adjusting screw — inside the cassette holder, so that the electronic voltmeter's reading is maximal.

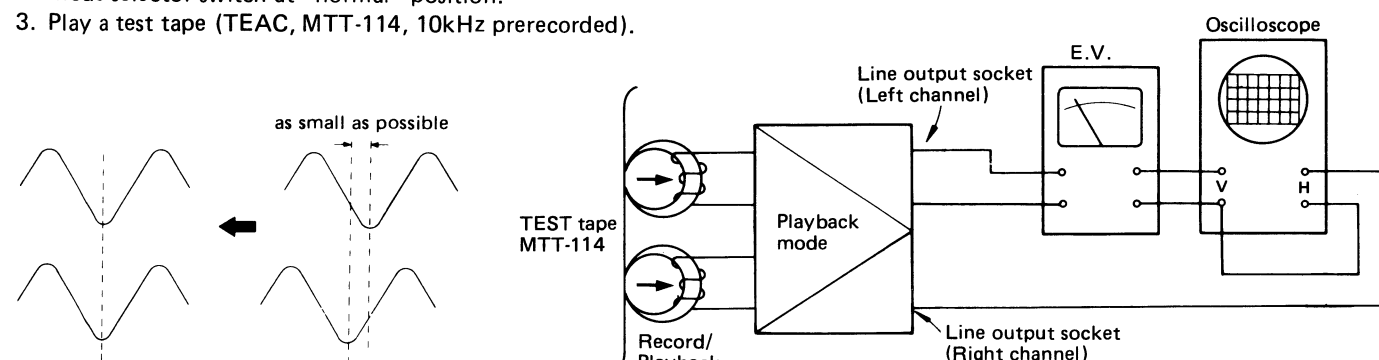


Figure 11-3

NOTES ON SCHEMATIC DIAGRAM

Ref. No.	Names of Switch	Switch Position
SW1 (A ~ H)	Band Selector Switch	FM - SW ₂ - SW ₁ - AM
SW201 (A ~ F)	Record/Playback Switch	Playback - Record
SW202 (A ~ D)	Function Selector Switch	Radio - Tape - Phono/Line
SW203 (A, B)	Deck 2: Tape Selector Switch	Metal - Normal
SW204 (A, B)	FM Mode/FM Muting Switch	Stereo/on - Stereo/off - Mono/off
SW205 (A, B)	Record Muting	on - off
SW206 (A, B)	Loudness Switch	on - off
SW301 (A ~ D)	Dubbing Mode Selector Switch	High Speed - Normal - off
SW302 (A, B)	Deck 1: Tape Selector Switch	CrO ₂ /Metal - Normal
SW401 (A ~ D)	Microphone Selector Switch	Mixing Mic. - External Mic. (in mic)
SW402 (A ~ D)	Input Selector Switch	Line - Phono
SW501	APLD Start Set/APPS Pause Set Switch	on - off
SW502	APLD Clear/APPS Restart Switch	on - off
SW601 (A ~ C)	Beat Cancel Switch	A - B - C
SW602	Power Switch	on - off
SW751	AC/DC Selector Switch	AC - DC
SW901	Deck 1 Main Switch	on - off
SW902	Deck 2 Main Switch	on - off
SW903	Deck 1 Playback Switch	on - off
SW904	Deck 2 Playback Switch	on - off
SW905	Deck 1 APLD Switch	on - off
SW906	Deck 1 APLD Cut Switch	on - off
SW907	Pause Switch	on - off

1. Resistor

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 (1/4W). The resistor with ω -mark is a printed resistor. Unless otherwise specified the resistor is in the order of ohms.

2. Capacitor

Unless otherwise specified, any capacitance is expressed in microfarad. P means picofarad.

The types of capacitors are seen from the symbols ML (mylar capacitor) and P.P. (polypropylene capacitor).

3. As to electrolytic capacitor, the expression "capacitance/withstand voltage" is used.

4. The voltage in each part is measured with no signal given, by using an electronic voltmeter with the power supply of DC 15V.

Unless otherwise specified, voltage measurement is performed in the following conditions.

- Power switch at "on" position
- Function selector switch at "tape" position
- Deck 1 and deck 2 both in a stop
- Tape selector switch at "normal" position
- Microphone selector switch at "external mic" position

- 4-1. Transistor Q211: voltage with parenthesis is in record mode.

Transistor Q212: voltage with parenthesis is in mixing mode with microphone.

- 4-2. Transistors Q213 and Q214: voltage with parenthesis is in record mode.

- 4-3. Transistors Q205, Q206, Q207, Q208, Q209 and Q210: voltages are in record mode with the tape selector and dubbing mode selector switches set at "normal" positions.

- 4-4. Transistors Q601 and Q602: voltage without parenthesis is in record mode with the tape selector switch set at "normal" position, and voltage with parenthesis is in

record mode with the tape selector switch set at "metal" position.

- 4-5. IC601: voltages are measured when all LED are lighting.

- 4-6. Transistor Q405: voltages are measured when the internal microphone is activated.

- 4-7. Transistor Q605: voltages are measured when the dubbing indicator is lighting.

- 4-8. IC501, transistors Q504, Q505, Q508, Q509, Q510, Q511, Q912 and Q913: voltage without parenthesis is the one measured when 1st indicator of APPS is lighting in normal speed mode, and voltage with parenthesis is the one measured when 1st indicator of APLD is lighting.

- 4-9. Transistors Q901 and Q902: voltage without parenthesis is the one measured when the decks 1 and 2 are in play mode, and voltage with parenthesis is the one measured when the decks 1 and 2 are in stop mode.

- 4-10. Transistors Q903, Q904 and Q909: voltage without parenthesis is the one measured when the decks 1 and 2 are in play mode, and voltage with parenthesis is the one measured when the decks 1 and 2 are in stop mode.

- 4-11. Transistors Q905, Q906, Q907, Q908, Q910 and Q911: voltage without parenthesis is the one measured when the decks 1 and 2 are in normal speed mode, and voltage with parenthesis is the one measured when the decks 1 and 2 are in high speed mode.

- 4-12. Tuner: voltages are measured when the function selector switch is set at "radio" position.

Parts marked with " Δ " () 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.

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

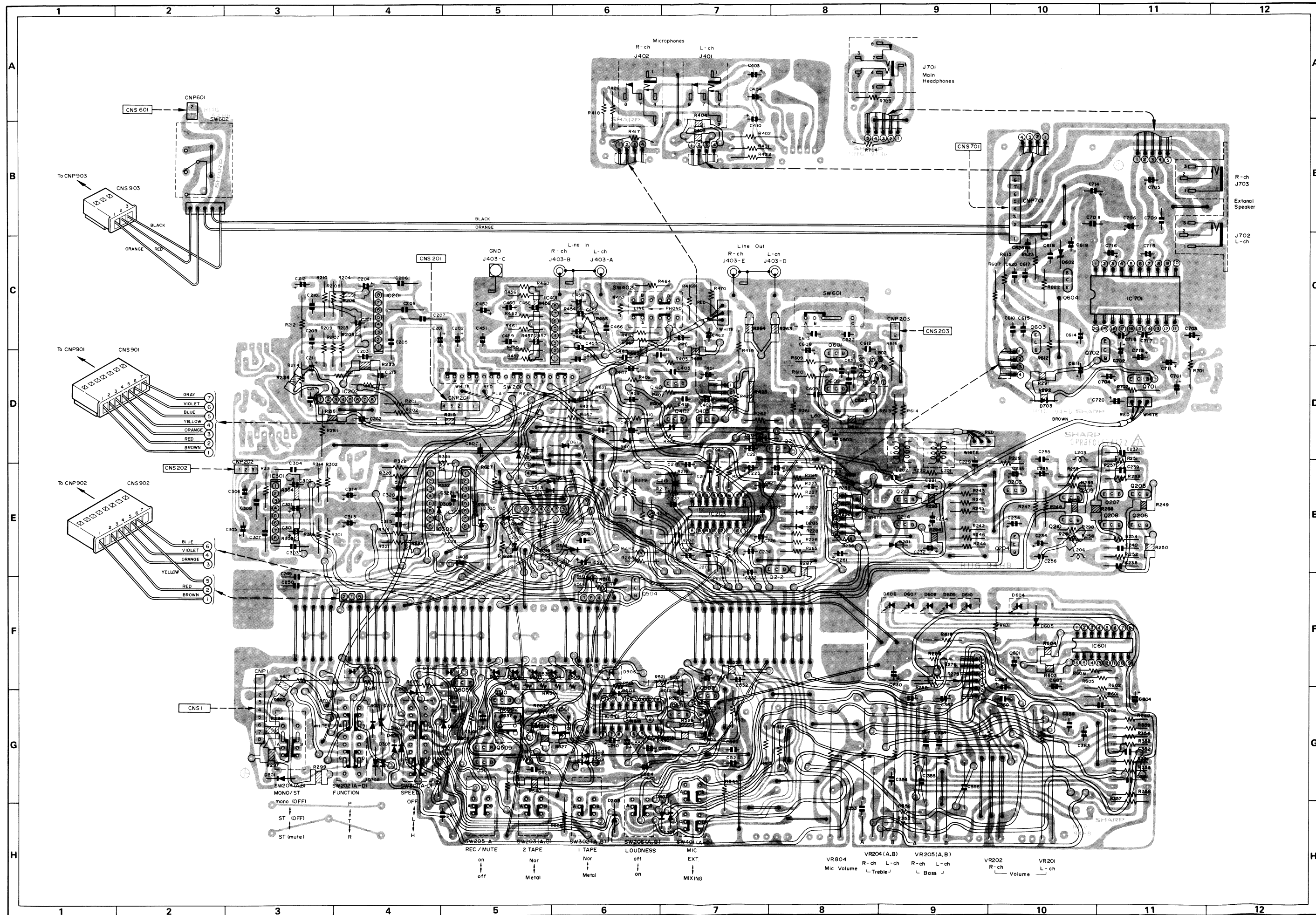


Figure 15 WIRING SIDE OF P.W. BOARD

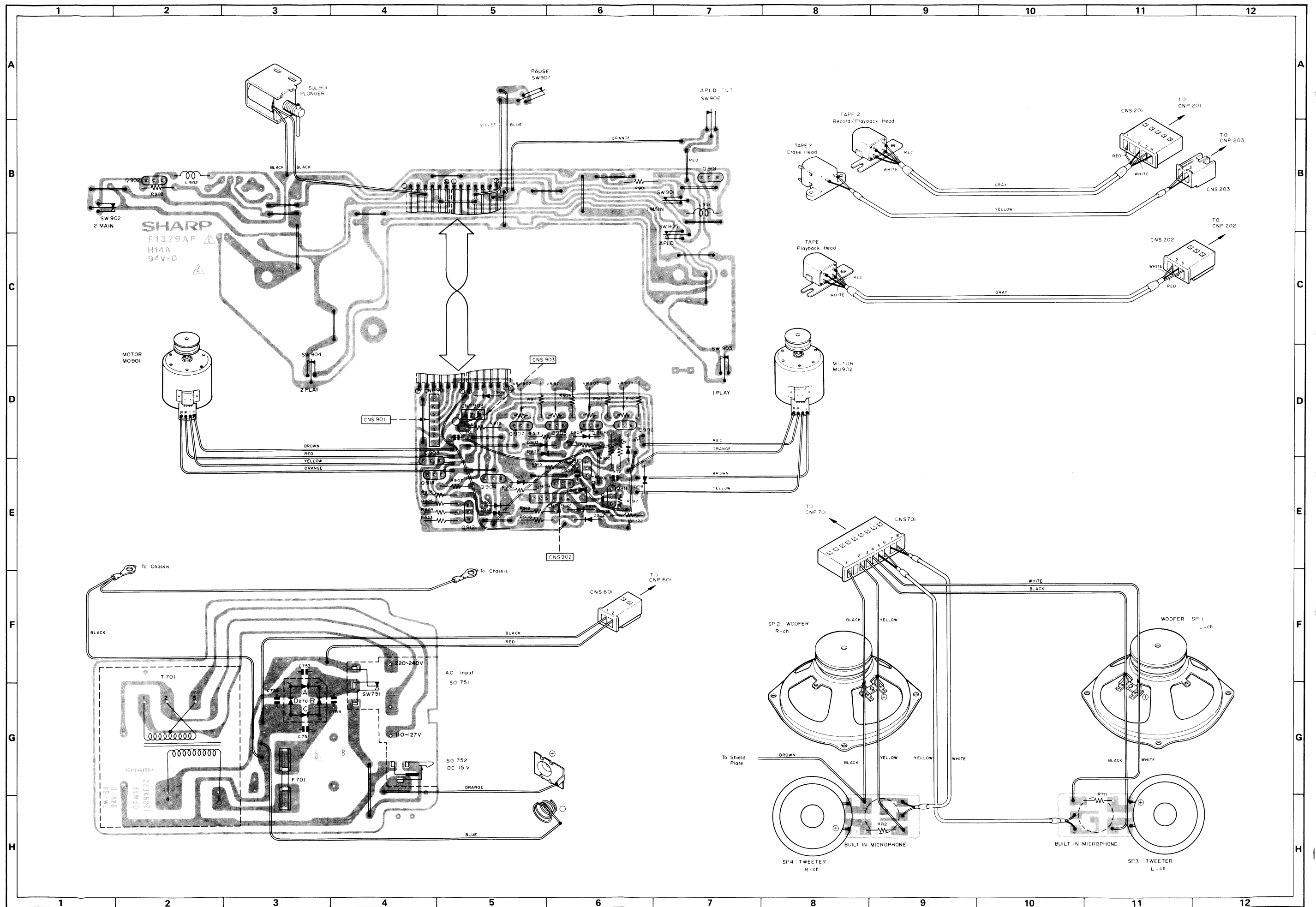


Figure 17 WIRING SIDE OF P.W. BOARD

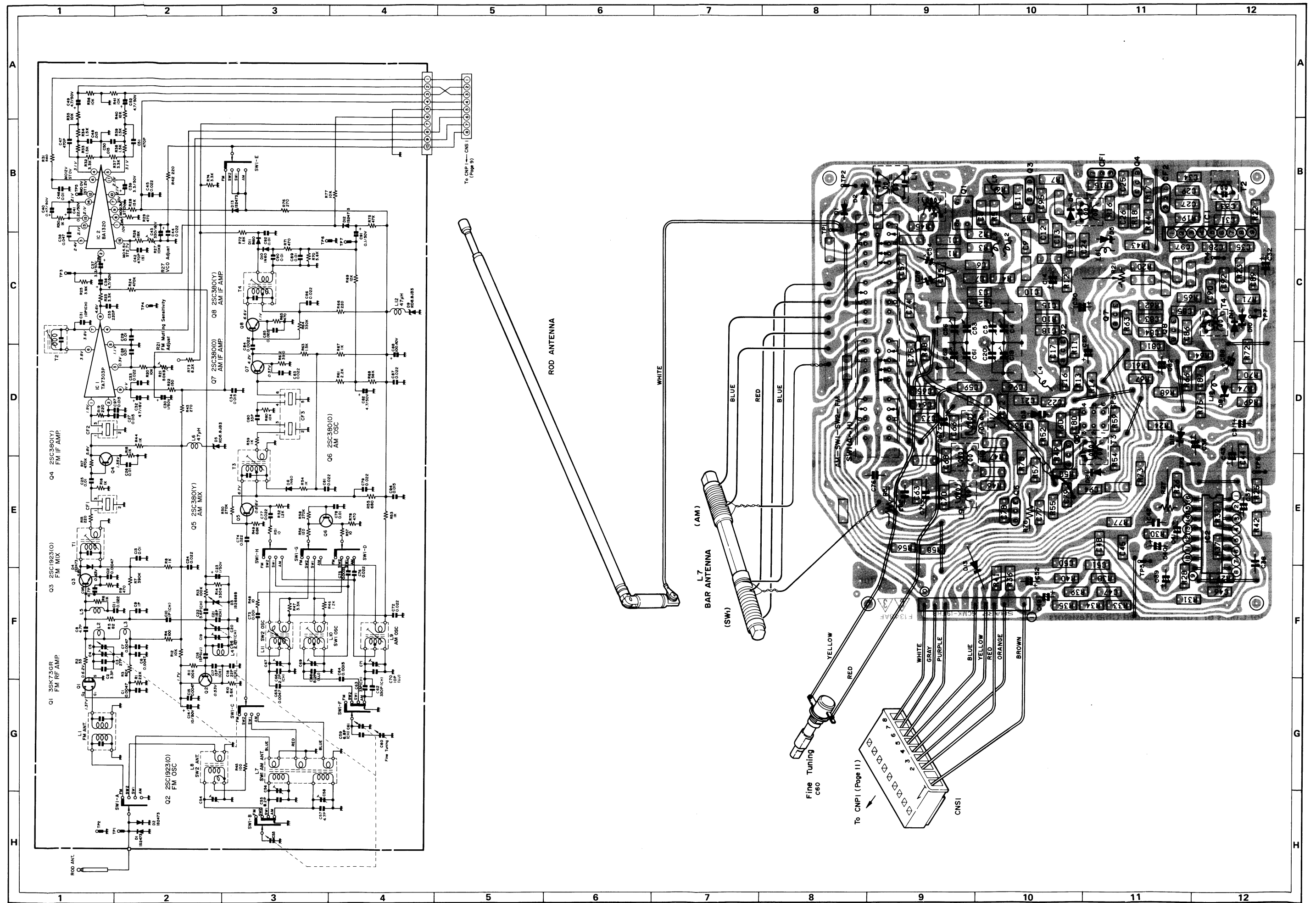


Figure 19 SCHEMATIC DIAGRAM

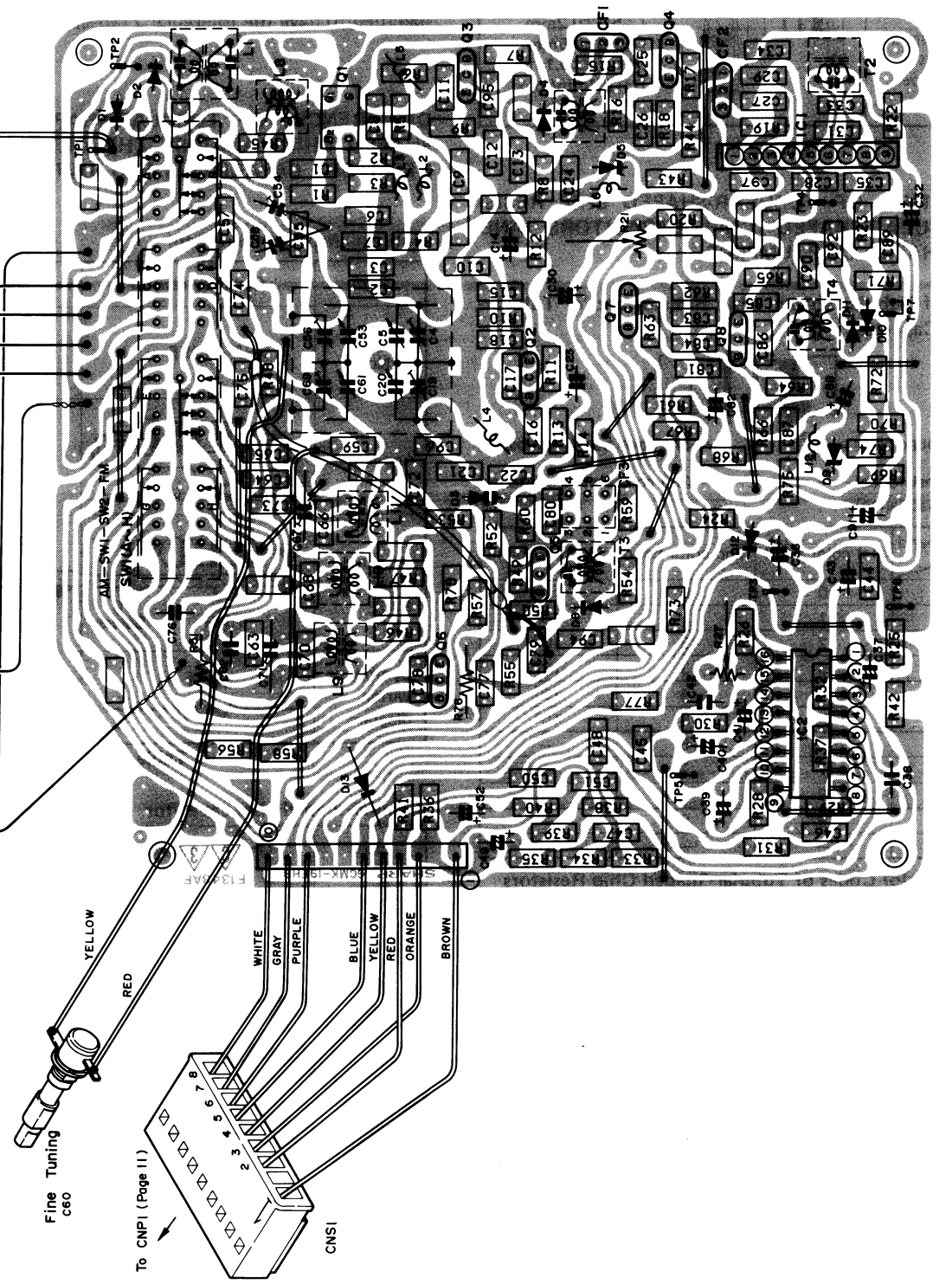


Figure 20 WIRING SIDE OF P.W. BOARD

INFORMATION OF LEADLESS TYPE RESISTORS, CAPACITORS AND JUMPERS

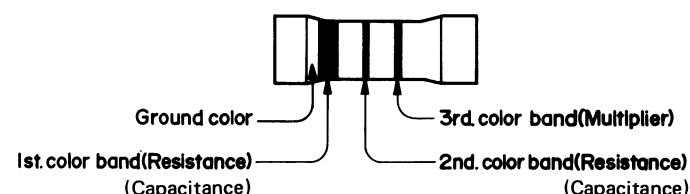
EXPLANATORY NOTES OF CHIP RESISTORS, CHIP CAPACITORS AND CHIP JUMPERS IN BOTH TUBULAR SHAPE AND SQUARE SHAPE.

	Appearance	Dimensions
<ul style="list-style-type: none"> Tubular-shaped chip resistor Tubular-shaped chip capacitor Tubular-shaped chip jumper 		L: $5.9 \pm 0.2\text{mm}$ C: $1.0 \pm 0.5\text{mm}$ D1: $2.2 \pm 0.1\text{mm}$ D2: 2.4mm(max)

Table 21-1

IDENTIFICATION OF TUBULAR-SHAPED CHIP RESISTORS, TUBULAR-SHAPED CHIP CAPACITORS AND TUBULAR-SHAPED CHIP JUMPERS.

Appearance of Tubular-Shaped Chip Resistor and/or Tubular-Shaped Chip Capacitor



Color band	1st color band	2nd color band	3rd color band
Black	0	0	10^0
Brown	1	1	10^1
Red	2	2	10^2
Orange	3	3	10^3
Yellow	4	4	10^4
Green	5	5	10^5
Blue	6	6	—
Violet	7	7	—
Gray	8	8	—
White	9	9	—
Gold	—	—	10^{-1}

Table 21-2 Color Codes of Tubular-Shaped Chip Resistors and Tubular-Shaped Chip Capacitors

- Identification of the tubular-shaped chip resistor**
If the ground color is ivory, this means a tubular-shaped chip resistor.
- Identification of the tubular-shaped chip capacitor**
If the ground color is green, this means a tubular-shaped chip capacitor. It is pink for the semiconductor chip capacitor (VCTYMF...562K), however.
- Identification of the tubular-shaped chip jumper**
This jumper has no color band indication on it: no resistance is given for any jumper of this type.
If the ground color is ivory, this means a tubular-shaped chip jumper.

Note:
The 1st color band is thicker than the 2nd and/or 3rd color band.
There is no indication about the resistance tolerance and the capacitance tolerance. But the tubular-shaped chip resistor is specified to have the tolerance J ($\pm 5\%$).

DIFFERENCES OF TUBULAR-SHAPED AND SQUARE-SHAPED CHIPS AGAINST THE ORDINARY TYPES OF RESISTORS, CAPACITORS AND JUMPERS.

Tubular-shaped chip resistor

Item	Ordinary resistor	Tubular-shaped chip
Parts No.	VRD-ST2EE...J	VRD-MF2EE...J
Appearance		
Attachment on PWB		
Symbol on wiring diagram		

Table 21-3

Tubular-shaped chip capacitor

Item	Ordinary capacitor	Tubular-shaped chip
Parts No.	VCKYAT1HB...K	VCKYMF1HB...K
Appearance		
Attachment on PWB		
Symbol on wiring diagram		

Table 21-4

Tubular-shaped chip jumper

Item	Ordinary jumper	Tubular-shaped chip	Item	Ordinary resistor	Square-shaped chip
Parts No.	VWRASAS-....	VRD-MF2EE000C	Attachment of PWB		
Appearance			Symbol on wiring diagram	non	

Table 22-1

SERVICING OF LEADLESS TYPE RESISTORS AND CAPACITORS

Here's their servicing method different from that for the ordinary type of resistors and capacitors.

Removal of the Tubular-Shaped Chip

- Using a soldering iron, heat the solder at each terminal of the chip to get it absorbed into a braided wire applied thereon. See Fig. 22-1.
- Holding the chip with a pincette, take it off gently using the soldering iron's heat applied on each terminal of it. See Fig. 22-2.

Cautions on removal:

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

Attachment of Tubular-Shaped Chip

- Temporarily solder one terminal of the chip on the copper foil surface. See Fig. 22-3.
- Holding one end of the chip with a pincette, completely solder both terminals of it one after another. See Fig. 22-4.

Cautions on attachment:

- When soldering the chip 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 chip with a pincette, hold its terminal but never its body.
- Keep the chip's body in contact with the P.W.B. when soldering.
- The soldering iron in use should operate on AC mains; it is best if provided with a thermal control (240° or so).
- The soldering amount must be enough but not be outside the specified area.

General Cautions on Handling and Storage

- Oxidization on the chip'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.
 - 1) Sulfur or chlorine gas floating places
 - 2) Directly sunlit places
 - 3) High temperature/high humidity places

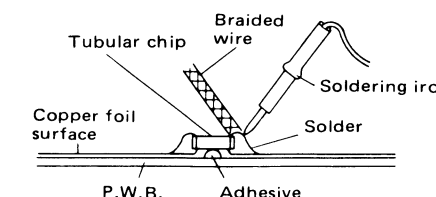


Figure 22-1

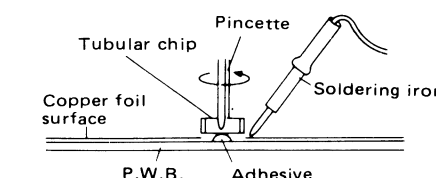


Figure 22-2

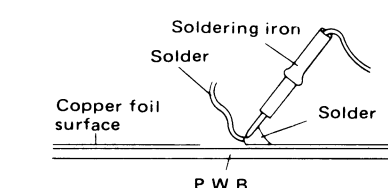


Figure 22-3

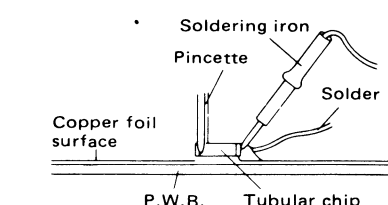
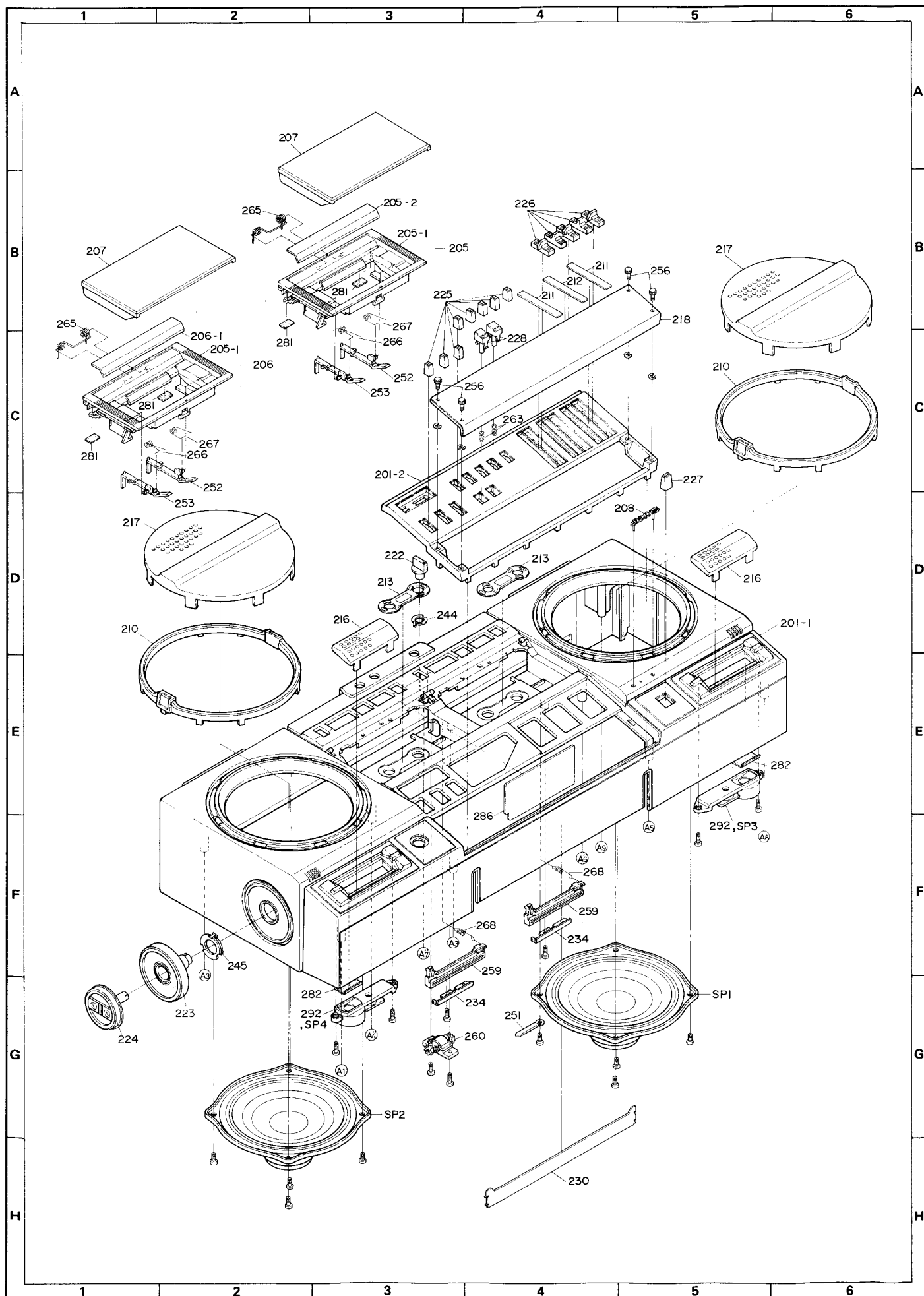


Figure 22-4



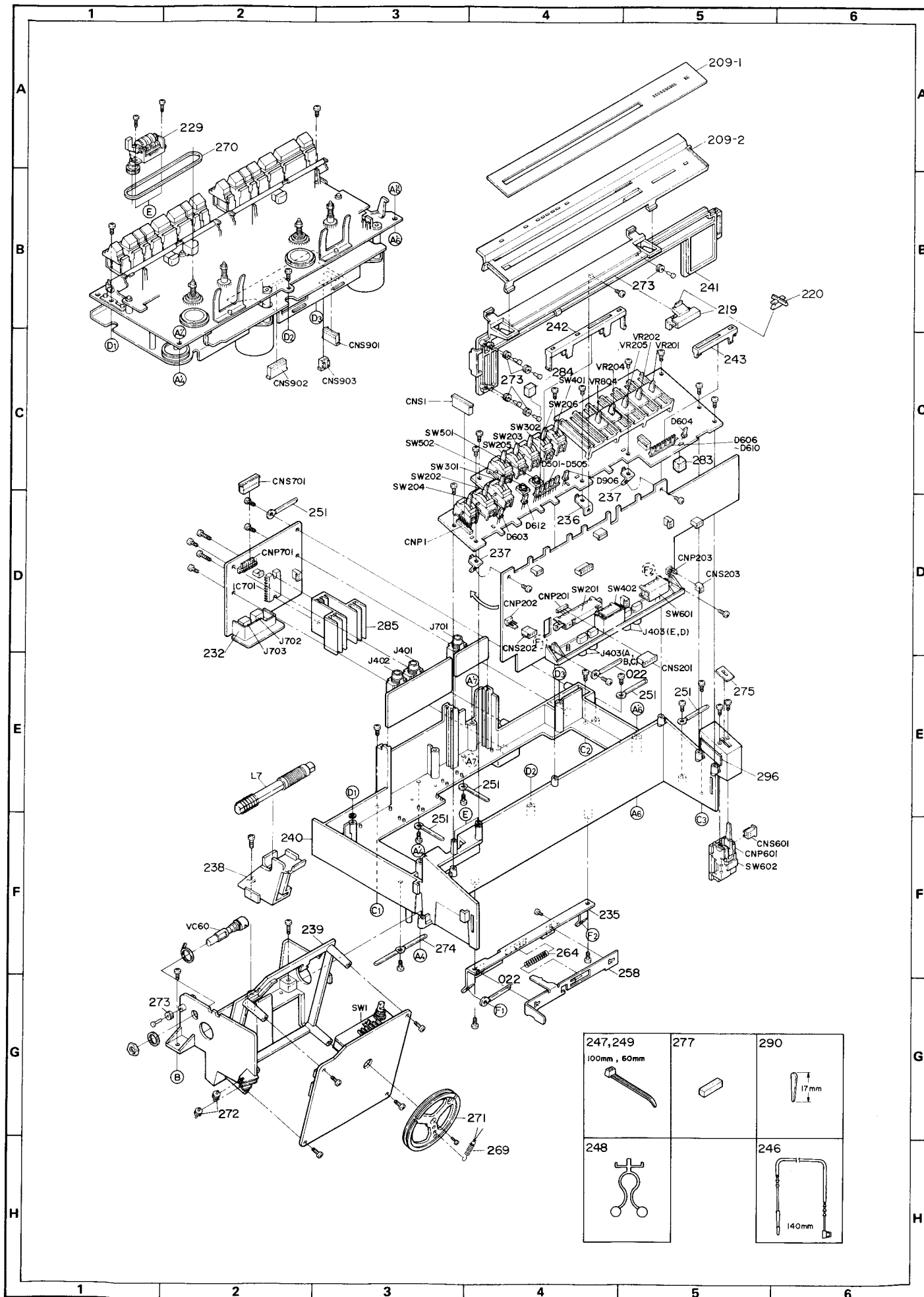


Figure 24 CABINET EXPLODED VIEW (2/3)

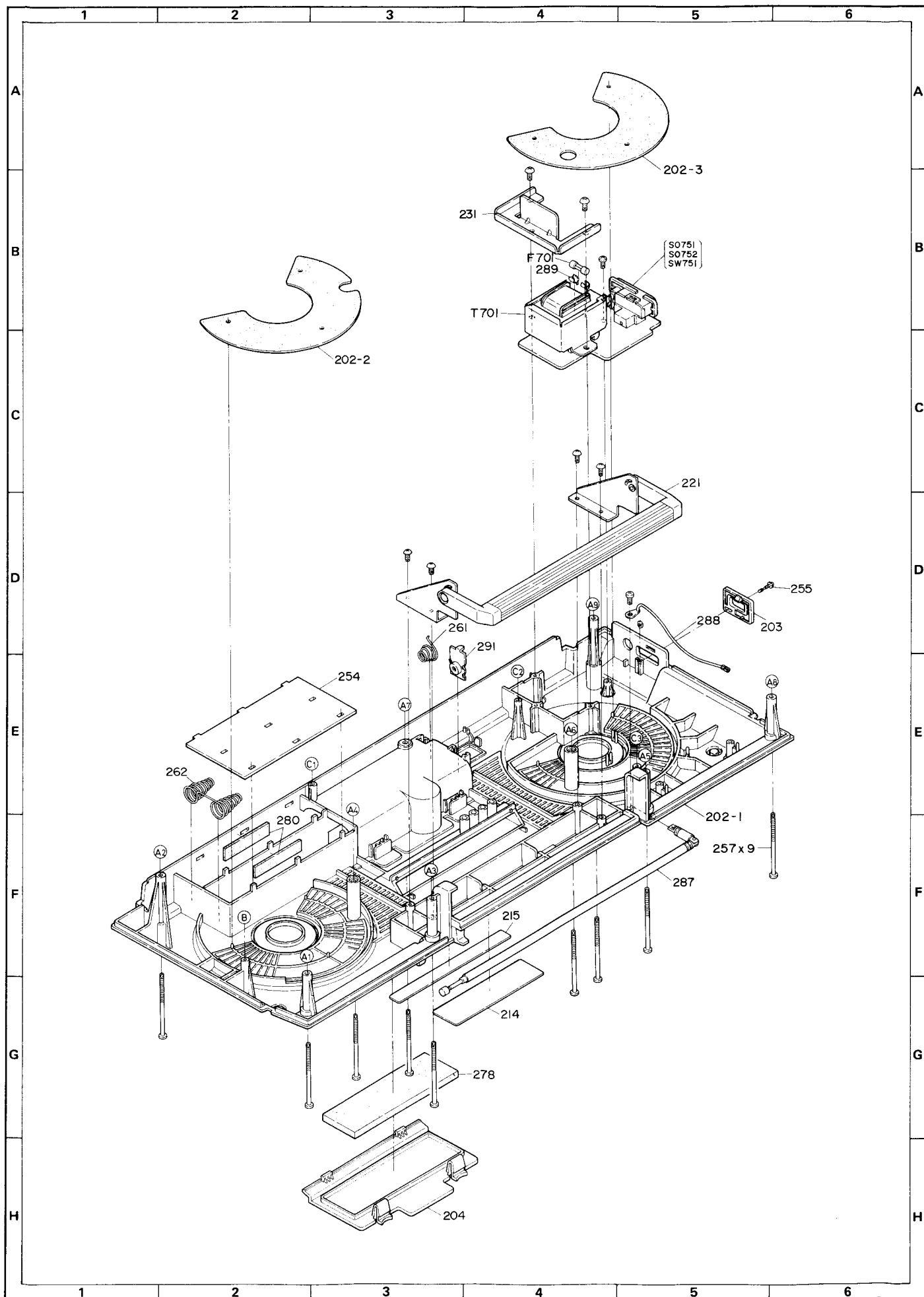


Figure 25 CABINET EXPLODED VIEW (3/3)

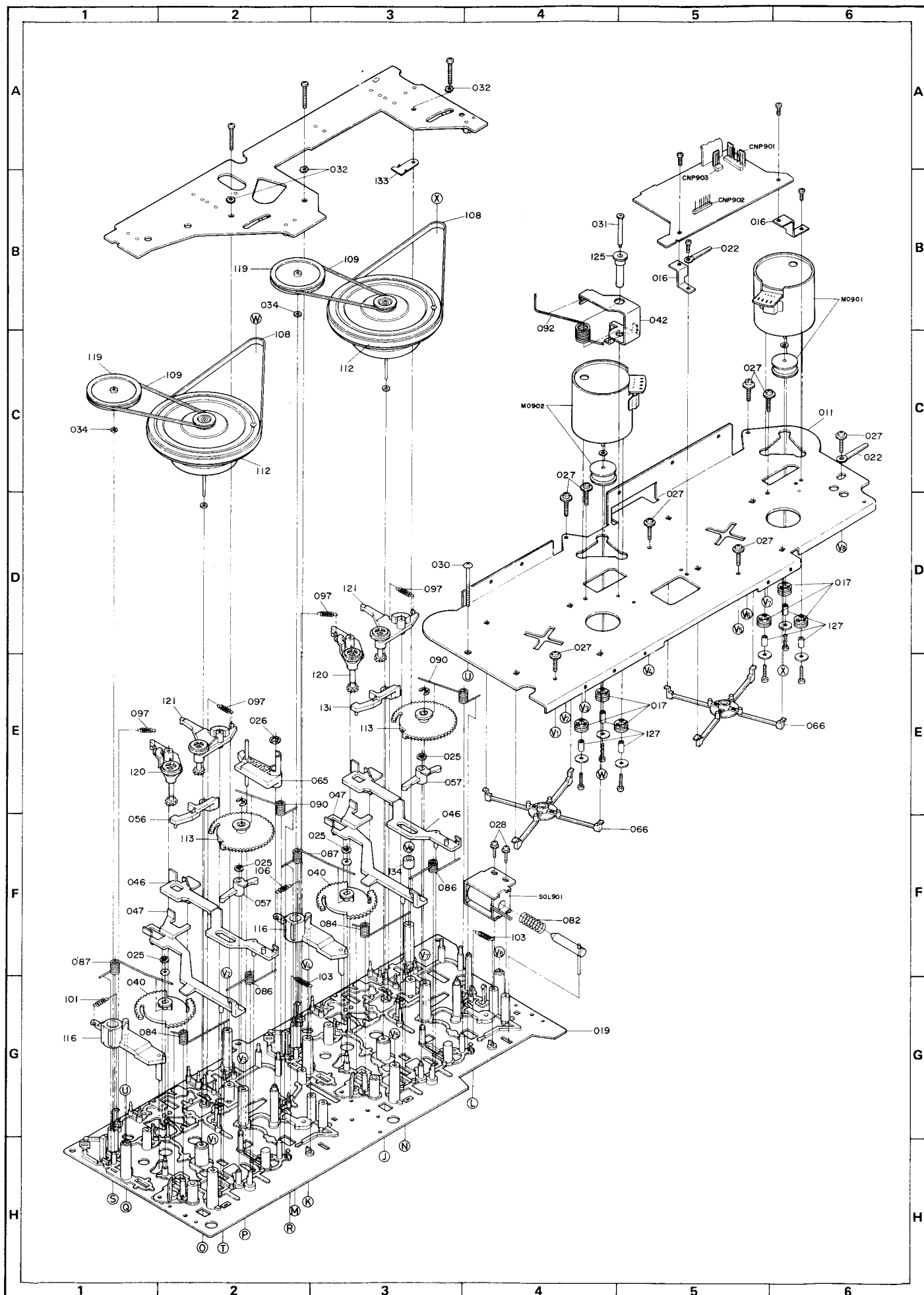


Figure 27 MECHANISM EXPLODED BOTTOM VIEW

REPLACEMENT PARTS LIST FOR GF-575ZB

"HOW TO ORDER REPLACEMENT PARTS"

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

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

NOTES:

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 CIRCUIT				Q505	VS2SC2603-F-1	Switching, APLD-APPS Circuit Power Supply (2SC2603F)	AB
IC1	RH-IX1083AFZZ	FM IF Amp. (TA7303P)	AK	Q508	VS2SA999-F/-1	APLD-APPS Circuit Power Supply (2SA999F)	AC
IC2	RH-IX1082AFNA	PLL FM MPX Demodulator (BA1320)	AH	Q509, 510	VS2SC2603-F-1	Switching, APLD-APPS Circuit Power Supply (2SC2603F)	AB
IC201	RH-IX1079AFZZ	Deck 2, Pre-amp. (M51521L)	AG	Q511	VS2SC2603-F-1	Gain Control (2SC2603F)	AB
IC202	VHIM54512L/-1	Deck 2, Muting/Normal Chrome Selector (M54512L)	AF	Q601, 602	VS2SC1627Y/-A	Bias Oscillator (2SC1627Y)	AC
IC203	VHIM51543P/-1	Record/Playback Amp. (M51543P)	AK	Q603	VS2SC1627S/-A	Ripple Filter (2SC1627S)	AD
IC301	RH-IX1079AFZZ	Deck 1, Pre-amp. (M51521L)	AG	Q604	VS2SD471-L/-A	Constant Voltage Regulated (2SD471L)	AD
IC302	VHIM54512L/-1	Deck 1, Mechanism Metal Selector (M54512L)	AF	Q605	VS2SC2603-F-1	Switching, Dubbing Indicator (2SC2603F)	AB
IC303	VHIM54512L/-1	Deck 1, APLD Muting (M54512L)	AF	Q701, 702	VS2SC2691/-1	Muting, Built-in Microphone Mode (2SC2691)	AB
IC401	VHIUPC1288H-1	Phono Equalizer Amp. (μPC1288H)	AF	Q901	VS2SB733-K/-A	Deck 1, Motor Drive (2SB733K)	AD
IC501	VHIIR3R20A-1	APLD-APPS Circuit (IR3R20A)	AL	Q902	VS2SB733-K/-A	Deck 2, Motor Drive (2SB733K)	AD
IC601	VHIIR2E01/-1	Level Indicator Amp. (IR2E01)	AH	Q903	VS2SB564-L/-A	Deck 1, Motor Stop (2SB564L)	AD
IC701	VHITA7246AP1F	Audio Power Amp. (TA7246AP)	AP	Q904	VS2SB564-L/-A	Deck 2, Motor Stop (2SB564L)	AD
TRANSISTORS				Q905	VS2SC945AP/-A	Deck 1, High Speed Motor Control (2SC945AP)	AB
Q1	VS3SK73-GR/-1	FM RF Amp. (3SK73GR)	AF	Q906	VS2SC945AP/-A	Deck 2, High Speed Motor Control (2SC945AP)	AB
Q2	VS2SC1923-O-A	FM Local Oscillator (2SC1923O)	AC	Q907	VS2SC945AP/-A	Deck 1, Normal Speed Motor Control (2SC945AP)	AB
Q3	VS2SC1923-O-A	FM Mixer (2SC1923O)	AC	Q908	VS2SC945AP/-A	Deck 2, Normal Speed Motor Control (2SC945AP)	AB
Q4	VS2SC380-Y/-A	FM IF Amp. (2SC380Y)	AB	Q909	VS2SC945AP/-A	APPS Stop (2SC945AP)	AB
Q5	VS2SC380-Y/-A	AM Mixer (2SC380Y)	AB	Q910	VS2SC945AQ/-A	Deck 1-Deck 2 Motor Stop (2SC945AQ)	AB
Q6	VS2SC380-O/-A	AM Local Oscillator (2SC380O)	AB	Q911	VS2SC945AQ/-A	High Speed Switching (2SC945AQ)	AB
Q7	VS2SC380-O/-A	AM IF Amp. (2SC380O)	AB	Q912	VS2SC945AQ/-A	Solenoid Drive (2SC945AQ)	AB
Q8	VS2SC380-Y/-A	AM IF Amp. (2SC380Y)	AB	Q913	VS2SD471-K/-A	Solenoid Drive (2SD471K)	AD
Q203, 204	VS2SC2603-F-1	Record Equalizer Amp. (2SC2603F)	AB	DIODES			
Q205, 206	VS2SC2603-F-1	Switching, High Speed Equalizer (2SC2603F)	AB	D1, 2	VHD1S2473/-U	Electrostatic Protector (1S2473)	AB
Q207, 208	VS2SC2603-F-1	Switching, Normal Speed Equalizer (2SC2603F)	AB	D3	VHC1S2688-BSF	Variable Capacitance, AFC (1S2688B)	AC
Q209, 210	VS2SC2603-F-1	Switching, Metal Equalizer (2SC2603F)	AB	D4	VHD1S2473/-U	Overload (1S2473)	AB
Q211	VS2SC2603-F-1	Automatic Playback Level Control (2SC2603F)	AB	D5	VHERD6R8JB3-U	Zener, 6.8V/400mW (RD6.8JB3)	AB
Q212	VS2SC2603-F-1	Automatic Record Level Control (2SC2603F)	AB	D8	VHD1N60////-U	AM AGC (1N60)	AB
Q213, 214	VS2SC2603-F-1	Muting, Playback Mode (2SC2603F)	AB	D9	VHERD6R8JB3-U	Zener, 6.8V/400mW (RD6.8JB3)	AB
Q401, 402	VS2SC2603-F-1	Microphone Amp. (2SC2603F)	AB	D10	VHD1N60////-U	AM Detector (1N60)	AB
Q405	VS2SA1143/-1	Switching, Built-in Micro- phone Power Supply (2SA1143)	AB	D11	VHD1N60////-U	Level Shift, AM Tuning (1N60)	AB
Q504	VS2SC2603-F-1	Muting (2SC2603F)	AB	D12	VHD1S2473/-U	Switching (1S2473)	AB

—29—

REF. NO.	PART NO.	DESCRIPTION	CODE	REF. NO.	PART NO.	DESCRIPTION	CODE	REF. NO.	PART NO.	DESCRIPTION	CODE	REF. NO.	PART NO.	DESCRIPTION	CODE
C239, 240	VCTYAT1EX123K	0.012MFD, 25V, ±10%, Semiconductor	AB	C904	VCKZPU1HF102Z	0.001MFD, 50V, +80 –20%, Ceramic	AA	R72	VRD-MF2EE182J	1.8K ohm		R288	VRD-ST2EE221J	220 ohm, 1/4W, ±5%, Carbon	
C249, 250	VCKYAT1HB681K	680PF, 50V, ±10%, Ceramic	AA	RESISTORS				R73	VRD-MF2EE822J	8.2K ohm		R289, 290	VRD-ST2EE272J	2.7K ohm, 1/4W, ±5%, Carbon	
C255, 256	VCTYPA1EX273K	0.027MFD, 25V, ±10%, Semiconductor	AA	* Tubular type carbon film resistor (1/4W, ±5%) is identified by the symbol MF of the part No. VRD-MF00000000; this MF does not mean the lead wire.				R74	VRD-MF2EE332J	3.3K ohm					
C303, 304	VCKYAT1HB221K	220PF, 50V, ±10%, Ceramic	AA	R1	VRD-MF2EE223J	22K ohm		R75	VRD-MF2EE473J	47K ohm					
C307, 308	VCKYAT1HB391K	390PF, 50V, ±10%, Ceramic	AA	R2	VRD-MF2EE330J	33 ohm		R76	VRD-RE2EE271J	270 ohm, 1/4W, ±5%, Carbon		R301, 302	VRD-ST2EE221J	220 ohm, 1/4W, ±5%, Carbon	
C311, 312	VCTYPA1EX153K	0.015MFD, 25V, ±10%, Semiconductor	AA	R3	VRD-MF2EE823J	82K ohm		R77	VRD-MF2EE103J	10K ohm					
C315, 316	VCTYPA1EX123K	0.012MFD, 25V, ±10%, Semiconductor	AA	R4	VRD-MF2EE101J	100 ohm		R78	VRD-MF2EE471J	470 ohm		R305, 306	VRD-ST2EE682J	6.8K ohm, 1/4W, ±5%, Carbon	
C319, 320	VCTYPA1EX153K	0.015MFD, 25V, ±10%, Semiconductor	AA	R5	VRD-MF2EE820J	82 ohm		R201, 202	VRD-ST2EE100J	10 ohm, 1/4W, ±5%, Carbon		R307, 308	VRD-ST2EE822J	8.2K ohm, 1/4W, ±5%, Carbon	
C351, 352	VCTYAT1HV152K	0.0015MFD, 50V, ±10%, Semiconductor	AA	R6	VRD-MF2EE102J	1K ohm		R203, 204	VRD-ST2EE271J	270 ohm, 1/4W, ±5%, Carbon		R313, 314	VRD-ST2EE154J	150K ohm, 1/4W, ±5%, Carbon	
C353, 354	VCTYPU1EX123K	0.012MFD, 25V, ±10%, Semiconductor	AA	R7	VRD-MF2EE394J	390K ohm		R207, 208	VRD-ST2EE822J	8.2K ohm, 1/4W, ±5%, Carbon		R319, 320	VRD-ST2EE332J	3.3K ohm, 1/4W, ±5%, Carbon	
C355, 356	VCTYAT1CX223N	0.022MFD, 16V, ±30%, Semiconductor	AA	R8	VRD-MF2EE102J	1K ohm		R209, 210	VRD-ST2EE154J	150K ohm, 1/4W, ±5%, Carbon		R321, 322	VRD-ST2EE472J	4.7K ohm, 1/4W, ±5%, Carbon	
C357, 358	VCTYPU1EX823K	0.082MFD, 25V, ±10%, Semiconductor	AB	R9	VRD-MF2EE471J	470 ohm		R211, 212	VRD-ST2EE332J	3.3K ohm, 1/4W, ±5%, Carbon		R323, 324	VRD-ST2EE332J	3.3K ohm, 1/4W, ±5%, Carbon	
C359, 360	VCTYPA1EX562K	0.0056MFD, 25V, ±10%, Semiconductor	AA	R10	VRD-MF2EE562J	5.6K ohm		R213, 214	VRD-ST2EE472J	4.7K ohm, 1/4W, ±5%, Carbon		R331	VRD-ST2EE561J	560 ohm, 1/4W, ±5%, Carbon	
C405, 406	VCKYAT1HB221K	220PF, 50V, ±10%, Ceramic	AA	R11	VRD-MF2EE104J	100K ohm		R217, 218, R219, 220	VRD-ST2EE103J	10K ohm, 1/4W, ±5%, Carbon		R351, 352	VRD-ST2EE102J	1K ohm, 1/4W, ±5%, Carbon	
C411, 412	VCCSPV1HL331J	330PF, 50V, ±5%, Ceramic	AA	R12	VRD-MF2EE103J	10K ohm		R221, 222	VRD-ST2EE823J	82K ohm, 1/4W, ±5%, Carbon		R353, 354	VRD-ST2EE223J	22K ohm, 1/4W, ±5%, Carbon	
C455, 456	VCKYAT1HB221K	220PF, 50V, ±10%, Ceramic	AA	R13	VRD-MF2EE104J	100K ohm		R223, 224	VRD-ST2EE471J	470 ohm, 1/4W, ±5%, Carbon		R355, 356	VRD-ST2EE272J	2.7K ohm, 1/4W, ±5%, Carbon	
C457, 458	VCTYPA1EX822K	0.0082MFD, 25V, ±10%, Semiconductor	AA	R14	VRD-MF2EE334J	330K ohm		R225, 226	VRD-ST2EE272J	2.7K ohm, 1/4W, ±5%, Carbon		R357, 358	VRD-ST2EE222J	2.2K ohm, 1/4W, ±5%, Carbon	
C459, 460	VCTYPA1EX273K	0.027MFD, 25V, ±10%, Semiconductor	AA	R15	VRD-MF2EE221J	220 ohm		R227, 228	VRD-ST2EE332J	3.3K ohm, 1/4W, ±5%, Carbon		R359, 360	VRD-ST2EE332J	3.3K ohm, 1/4W, ±5%, Carbon	
C465	VCCSPV1HL330J	33PF, 50V, ±5%, Ceramic	AA	R16	VRD-MF2EE102J	1K ohm		R229, 230	VRD-ST2EE123J	12K ohm, 1/4W, ±5%, Carbon		R401, 402	VRD-ST2EE103J	10K ohm, 1/4W, ±5%, Carbon	AA
C466	VCCSPA1HL330J	33PF, 50V, ±5%, Ceramic	AA	R17	VRD-MF2EE474J	470K ohm		R235, 236	VRD-ST2EE393J	39K ohm, 1/4W, ±5% Carbon	AA	R405, 406	VRD-ST2EE334J	330K ohm, 1/4W, ±5%, Carbon	
C503	VCTYPV1EX104K	0.1MFD, 25V, ±10%, Semiconductor	AB	R18	VRD-MF2EE102J	1K ohm						R407, 408	VRD-ST2EE220J	22 ohm, 1/4W, ±5%, Carbon	
C505	VCKYPV1HB561K	560PF, 50V, ±10%, Ceramic	AA	R19	VRD-MF2EE221J	220 ohm		R241, 242	VRD-ST2EE224J	220K ohm, 1/4W, ±5%, Carbon		R409, 410	VRD-ST2EE392J	3.9K ohm, 1/4W, ±5%, Carbon	
C523	VCCCPV1HH6ROC	6PF (CH), 50V, ±0.25PF, Ceramic	AB	R20	VRD-MF2EE103J	10K ohm		R243, 244	VRD-ST2EE823J	82K ohm, 1/4W, ±5%, Carbon		R415, 416	VRD-ST2EE183J	18K ohm, 1/4W, ±5%, Carbon	
C529	VCTYPV1EX104K	0.1MFD, 25V, ±10%, Semiconductor	AB	R22	VRD-MF2EE151J	150 ohm		R245, 246	VRD-ST2EE472J	4.7K ohm, 1/4W, ±5%, Carbon		R417, 418	VRD-ST2EE102J	1K ohm, 1/4W, ±5%, Carbon	
C602	VCTYAT1HV472K	0.0047MFD, 50V, ±10%, Semiconductor	AA	R23	VRD-MF2EE332J	3.3K ohm		R247, 248	VRD-ST2EE222J	2.2K ohm, 1/4W, ±5%, Carbon		R419, 420	VRD-ST2EE182J	1.8K ohm, 1/4W, ±5%, Carbon	
C605	VCTYPA1EX103K	0.01MFD, 25V, ±10%, Semiconductor	AA	R24	VRD-MF2EE474J	470K ohm		R251, 252	VRD-ST2EE221J	220 ohm, 1/4W, ±5%, Carbon		R421	VRD-ST2EE222J	2.2K ohm, 1/4W, ±5%, Carbon	
C606	VCQYKV1HM103K	0.01MFD, 50V, ±10%, Mylar	AA	R25	VRD-MF2EE392J	3.9K ohm		R253, 254	VRD-ST2EE101J	100 ohm, 1/4W, ±5%, Carbon		R422	VRD-ST2EE182J	1.8K ohm, 1/4W, ±5%, Carbon	
C609	VCTYAT1EX103K	0.01MFD, 25V, ±10%, Semiconductor	AA	R26	VRD-MF2EE183J	18K ohm		R255, 256	VRD-ST2EE272J	2.7K ohm, 1/4W, ±5%, Carbon		R424	VRD-ST2EE102J	1K ohm, 1/4W, ±5%, Carbon	
C610	VCKZPV1HF103Z	0.01MFD, 50V, +80 –20%, Ceramic	AA	R28	VRD-MF2EE153J	15K ohm		R261, 262	VRD-ST2EE472J	4.7K ohm, 1/4W, ±5%, Carbon		R425, 426	VRD-ST2EE333J	33K ohm, 1/4W, ±5%, Carbon	
C612	VCQPKQ2AA822J	0.0082MFD, 100V, ±5%, Polypropylene	AB	R29	VRD-MF2EE471J	470 ohm		R265, 266	VRD-ST2EE182J	1.8K ohm, 1/4W, ±5%, Carbon		R451	VRD-ST2EE473J	47K ohm, 1/4W, ±5%, Carbon	
C613	VCQPKQ2AA102J	0.001MFD, 100V, ±5%, Polypropylene	AB	R30	VRD-MF2EE102J	1K ohm		R275, 276	VRD-ST2EE103J	10K ohm, 1/4W, ±5%, Carbon		R452	VRD-RU2EE473J	47K ohm, 1/4W, ±5%, Carbon	
C615, 617	VCKZPV1HF103Z	0.01MFD, 50V, +80 –20%, Ceramic	AA	R31	VRD-MF2EE561J	560 ohm		R279, 280	VRD-ST2EE273J	27K ohm, 1/4W, ±5%, Carbon		R455, 456	VRD-ST2EE151J	150 ohm, 1/4W, ±5%, Carbon	
C618	VCTYPA1EX103K	0.01MFD, 25V, ±10%, Semiconductor	AA	R32	VRD-MF2EE332J	3.3K ohm		R281	VRD-ST2EE561J	560 ohm, 1/4W, ±5%, Carbon		R459, 460	VRD-ST2EE103J	10K ohm, 1/4W, ±5%, Carbon	
C620	VCKZPV1HF103Z	0.01MFD, 50V, +80 –20%, Ceramic	AA	R33, 34	VRD-MF2EE152J	1.5K ohm		R282	VRD-ST2HD560J	56 ohm, 1/2W, ±5%, Carbon		R461, 462	VRD-ST2EE823J	82K ohm, 1/4W, ±5%, Carbon	
C621	VCKYAT1HB102K	0.001MFD, 50V, ±10%, Ceramic	AA	R35, 36	VRD-MF2EE103J	10K ohm		R283	VRD-ST2EE564J	560K ohm, 1/4W, ±5%, Carbon		R463, 464	VRD-ST2EE124J	120K ohm, 1/4W, ±5%, Carbon	
C622	VCCSPV1HL271J	270PF, 50V, ±5%, Ceramic	AA	R37	VRD-MF2EE332J	3.3K ohm		R284	VRD-ST2EE822J	8.2K ohm, 1/4W, ±5%, Carbon		R467	VRD-ST2EE561J	560 ohm, 1/4W, ±5%, Carbon	
C625	VCKZPU1HF102Z	0.001MFD, 50V, +80 –20%, Ceramic	AA	R38, 39	VRD-MF2EE152J	1.5K ohm		R285	VRD-ST2EE183J	18K ohm, 1/4W, ±5%, Carbon					
C626	VCKZPV1HF103Z	0.01MFD, 50V, +80 –20%, Ceramic	AA	R40, 41	VRD-MF2EE103J	10K ohm									
C708, 709	VCQYKW1HM104K	0.1MFD, 50V, ±10%, Mylar	AB	R42	VRD-MF2EE221J	220 ohm									
C717, 718	VCKYPV1HB471K	470PF, 50V, ±10%, Ceramic	AA	R43	VRD-MF2EE271J	270 ohm									
C751, 753, C754, 755	VCKZPV1HF103Z	0.01MFD, 50V, +80 –20%, Ceramic	AA	R44	VRD-MF2EE102J	1K ohm									
C903	VCKZPV1HF102Z	0.001MFD, 50V, +80 –20%, Ceramic	AA	R45	VRD-MF2EE101J	100 ohm									
				R46	VRD-MF2EE122J	1.2K ohm									
				R47	VRD-MF2EE332J	3.3K ohm									
				R48	VRD-MF2EE100J	10 ohm									
				R49	VRD-MF2EE683J	68K ohm									
				R50	VRD-MF2EE274J	270K ohm									
				R51	VRD-RE2EE100J	10 ohm, 1/4W, ±5%, Carbon									
				R52	VRD-MF2EE122J	1.2K ohm									
				R53, 54	VRD-MF2EE102J	1K ohm									
				R55	VRD-MF2EE681J	680 ohm									
				R56	VRD-MF2EE121J	120 ohm									
				R57	VRD-MF2EE100J	10 ohm									
				R58	VRD-MF2EE274J	270K ohm									
				R59	VRD-MF2EE102J	1K ohm									
				R60	VRD-MF2EE103J	10K ohm									
				R61	VRD-MF2EE222J	2.2K ohm									
				R62	VRD-MF2EE391J	390 ohm									
				R63	VRD-MF2EE152J	1.5K ohm									
				R64	VRD-MF2EE334J	330K ohm									
				R65	VRD-MF2EE471J	470 ohm									
				R66	VRD-MF2EE221J	220 ohm									
				R67	VRD-MF2EE102J	1K ohm									
				R68	VRD-MF2EE563J	56K ohm									
				R69	VRD-MF2EE123J	12K ohm									
				R70	VRD-MF2EE562J	5.6K ohm									
				R71	VRD-MF2EE471J	470 ohm									

REF. NO.	PART NO.	DESCRIPTION	CODE	REF. NO.	PART NO.	DESCRIPTION	CODE	REF. NO.	PART NO.	DESCRIPTION	CODE	REF. NO.	PART NO.	DESCRIPTION	CODE		
R469, 470	VRD-ST2EE103J	10K ohm, 1/4W, ±5%, Carbon	AA	R901, 902	VRD-ST2EE182J	1.8K ohm, 1/4W, ±5%, Carbon	AA	MO901, 902	RMOTV0110AF01	Motor with Motor Pulley	AW	024	LSLVM0113AFFW	Stop Ring, Sensor Lever Retainer	AC		
R507	VRD-ST2EE334J	330K ohm, 1/4W, ±5%, Carbon		R905, 906	VRD-ST2EE102J	1K ohm, 1/4W, ±5%, Carbon		△ SO751, 752	QSOCE0561AFZZ	AC Input/DC 15V Input	AH	025	LSTWC2001AFZZ	Stop Ring, 2mm Dia.	AA		
R508	VRD-ST2EE333J	33K ohm, 1/4W, ±5%, Carbon		R907, 908	VRD-ST2EE101J	100 ohm, 1/4W, ±5%, Carbon		SP1, 2	VSP0016PB51SA	Speaker, Woofer	AU	026	LSTWC4004AFZZ	Stop Ring, 4mm Dia.	AA		
R512	VRD-ST2EE473J	47K ohm, 1/4W, ±5%, Carbon		R909, 910	VRD-ST2EE223J	22K ohm, 1/4W, ±5%, Carbon		SW1 (A~H)	QSW-R0194AFZZ	Band Selector	AP	027	LX-HZ0056AFFD	Screw, 3mm Dia. x t10mm	AA		
R514	VRD-ST2EE151J	150 ohm, 1/4W, ±5%, Carbon		R911, 912	VRD-ST2EE562J	5.6K ohm, 1/4W, ±5%, Carbon		SW201 (A~F)	QSW-S0331AFZZ	Switch, Record/Playback	AE	028	LX-HZ0077AFZZ	Screw, 2.6mm Dia. x t10mm	AA		
R530	VRD-ST2EE683J	68K ohm, 1/4W, ±5%, Carbon		R913, 914, 915, 916	VRD-ST2EE224J	220K ohm, 1/4W, ±5%, Carbon		SW202 (A~D)	QSW-B0139AFZZ	Switch, Function Selector	AF	029	LX-HZ0078AFZZ	Flange Screw, 2.6mm Dia. x t12mm	AA		
R531	VRD-ST2EE562J	5.6K ohm, 1/4W, ±5%, Carbon		R918	VRD-ST2EE822J	8.2K ohm, 1/4W, ±5%, Carbon		SW203 (A, B)	QSW-B0142AFZZ	Switch, Deck 2 Tape Selector	AF	030	LX-HZ0081AFZZ	Screw, 3mm Dia. x t30mm	AA		
R532	VRD-ST2EE181J	180 ohm, 1/4W, ±5%, Carbon		R919	VRD-ST2EE153J	15K ohm, 1/4W, ±5%, Carbon		SW204 (A~D)	QSW-B0140AFZZ	Switch, FM Mode/FM Muting	AF	031	LX-HZ0091AFZZ	Screw, Record Conversion Lever Retaining	AB		
R544	VRD-ST2EE331J	330 ohm, 1/4W, ±5%, Carbon		R920	VRD-ST2EE104J	100K ohm, 1/4W, ±5%, Carbon		SW205	QSW-B0143AFZZ	Switch, Deck 2 Record Muting	AF	032	LX-WZ0014AGFK	Lock Washer, 2.6mm Dia.	AA		
R552	VRD-ST2EE271J	270 ohm, 1/4W, ±5%, Carbon		R921	VRD-RU2EE153J	15K ohm, 1/4W, ±5%, Carbon		SW206 (A, B)	QSW-B0142AFZZ	Switch, Loudness	AF	033	LX-WZ5018AGZZ	Washer, 2.1mm Dia.	AA		
R560	VRD-SU2EE820J	82 ohm, 1/4W, ±5%, Carbon		R922	VRD-ST2EE153J	15K ohm, 1/4W, ±5%, Carbon		SW301 (A~D)	QSW-B0139AFZZ	Switch, Dubbing/Dubbing Speed Selector	AF	034	LX-WZ5020AGZZ	Washer, 1.7mm Dia.	AA		
R601	VRD-ST2EE822J	8.2K ohm, 1/4W, ±5%, Carbon		R923	VRD-ST2EE223J	22K ohm, 1/4W, ±5%, Carbon		SW302 (A, B)	QSW-B0142AFZZ	Switch, Deck 1 Tape Selector	AF	035	LX-WZ9053AFZZ	Washer, Oil Cut	AA		
R602	VRD-ST2EE682J	6.8K ohm, 1/4W, ±5%, Carbon	R924	VRD-ST2EE221J	220 ohm, 1/4W, ±5%, Carbon	SW401 (A~D)	QSW-B0141AFZZ	Switch, Microphone Selector	AF	036	LX-WZ9063AFZZ	Washer, 1.5mm Dia.	AA				
R605	VRD-ST2EE224J	220K ohm, 1/4W, ±5%, Carbon	R925	VRD-ST2EE820J	82 ohm, 1/4W, ±5%, Carbon	SW402 (A~D)	QSW-S0309AFZZ	Switch, Input Selector	AF	037	LX-WZ9064AFZZ	Washer, 2mm Dia.	AA				
R606	VRD-ST2EE153J	15K ohm, 1/4W, ±5%, Carbon	OTHER CIRCUITRY PARTS				SW501	QSW-K0056AFZZ	Switch, APLD Start Set/ APPS Pause Set	AC	038	LX-WZ9069AFZZ	Washer, 1.7W3.2—0.5	AA			
△ R607	VRG-ST2ED4R7J	4.7 ohm, 1/4W, ±5%, Fusible	AB	CNP1	QCNCM0806SGZZ	Plug, 8 Pin	AC	SW502	QSW-K0056AFZZ	Switch, APLD Clear/APPS Restart	AC	039	LX-WZ9070AFZZ	Washer, 1.2W4—0.25	AA		
R608	VRD-ST2EE151J	150 ohm, 1/4W, ±5%, Carbon	AA	CNP201	QCNCM0402SGZZ	Plug, 4 Pin	AB	SW901	QSW-F0160AFZZ	Switch, Deck 1 Main	AE	040	MCAMP0054AFZZ	Cam, Pause	AB		
R609, 610	VRD-ST2EE100J	10 ohm, 1/4W, ±5%, Carbon		CNP202	QCNCM136CAFZZ	Plug, 3 Pin	AB	SW903	QSW-F0137AFZZ	Switch, Deck 1 Playback	AE	041	MLEVF1120AFZZ	Lever, P.A.D.	AD		
R612	VRD-ST2EE102J	1K ohm, 1/4W, ±5%, Carbon		CNP203	QCNCM398BAFZZ	Plug, 2 Pin	AB	SW904	QSW-F0137AFZZ	Switch, Deck 2 Playback	AE	042	MLEVF1266AFZZ	Lever, Record Conversion	AF		
R613, 614	VRD-ST2EE103J	10K ohm, 1/4W, ±5%, Carbon		CNP601	QCNCM095BAFZZ	Plug, 2 Pin	AB	SW905	QSW-F0137AFZZ	Switch, Deck 1 APLD	AE	044	MLEVP0216AFZZ	Lever, Record	AB		
△ R615	VRG-ST2EC100J	10 ohm, 1/4W, ±5%, Fusible		AB	CNP701	QCNCM238HAFZZ	Plug, 8 Pin	AD	SW906	QSW-F0162AFZZ	Switch, Deck 1 APLD Cut	AE	045	MLEVP0217AFZZ	Lever, Playback	AB	
R616	VRD-ST2EE1R0J	1 ohm, 1/4W, ±5%, Carbon		CNP901	QCNCM133GAFZZ	Plug, 7 Pin	AD	SW907	QSW-F0137AFZZ	Switch, Pause	AE	046	MLEVP0218AFZZ	Lever, Rewind	AB		
R617	VRD-ST2EE222J	2.2K ohm, 1/4W, ±5%, Carbon		CNP902	QCNCM0705SGZZ	Plug, 7 Pin	AC	CCNCW355CAF01				Plug 3 Pin/Tips with Wire Leads	AE	047	MLEVP0219AFZZ	Lever, Fast Forward	AC
R618	VRD-ST2EE102J	1K ohm, 1/4W, ±5%, Carbon		CNP903	QCNCM136CAFZZ	Plug, 3 Pin	AB	CCNCW355CAF02				Plug 3 Pin/Tips with Wire Leads		048	MLEVP0220AFZZ	Lever, Pause	AB
R619	VRD-ST2EE471J	470 ohm, 1/4W, ±5%, Carbon		CNS1	CCNCW408LAF01	Socket 8 Pin/Plug 11 Pin/ Tips with Wire Leads Assembly	AH	CCNCW355CAF03				Plug 3 Pin/Tips with Wire Leads		049	MLEVP0221AFZZ	Lever, P.A.D. Lock	AB
R621	VRD-ST2EE101J	100 ohm, 1/4W, ±5%, Carbon		AA	CNS201	QCNCW-1318AFZZ	Socket, 4 Pin with Wire Leads	AG	QCNW-1330AFZZ				Jumper, 6 Leads and 7 Leads, 120mm	050	MLEVP0222AFZZ	Lever, Auxiliary P.A.D. Lock	AB
R622	VRD-ST2EE102J	1K ohm, 1/4W, ±5%, Carbon			CNS202	QCNCW-1317AFZZ	Socket, 3 Pin with Wire Leads	AG	MECHANICAL PARTS					051	MLEVP0223AFZZ	Lever, Start	AB
△ R623	VRG-ST2EC150J	15 ohm, 1/4W, ±5%, Fusible			AB	CNS203	QCNCW-1319AFZZ	Socket, 2 Pin with Wire Leads	AE	001	JKNBR0187AFSA	Button Eject	AD	052	MLEVP0332AFZZ	Lever, Cassette Eject Prevention	AC
R624	VRD-ST2EE681J	680 ohm, 1/4W, ±5%, Carbon	CNS601		QCNCW-1444AFZZ	Socket, 2 Pin with Wire Leads	AD	002	JKNBR0188AFSA	Button, Deck 1 Play	AD	053	MLEVP0225AFZZ	Lever, Record Prevention	AB		
R625	VRD-ST2EE473J	47K ohm, 1/4W, ±5%, Carbon	CNS701		QCNCW-1445AFZZ	Socket, 8 Pin with Wire Leads	AM	003	JKNBR0189AFSA	Button, Stop	AD	054	MLEVP0226AFZZ	Lever, Lock Release	AB		
R627	VRD-ST2EE821J	820 ohm, 1/4W, ±5%, Carbon	CNS901, CNS902		CCNCW280GAF04	Socket 7 Pin x 2/Plug 3 Pin x 2/Plug 7 Pin/ Tips with Wire Leads Assembly	AL	004	JKNBR0190AFSA	Button, Rewind/Review/ Reverse APLD	AD	055	MLEVP0227AFZZ	Lever, Brake Release	AB		
R631	VRD-ST2EE271J	270 ohm, 1/4W, ±5%, Carbon	CNS903		CCNCW357EAF01	Socket 3 Pin/Plug 2 Pin/ Plug 5 Pin/Tips with Wire Leads Assembly	AF	005	JKNBR0191AFSA	Button, Cut	AD	056	MLEVP0228AFZZ	Lever, APLD Switch (Deck 2)	AB		
R701, 702	VRD-ST2EE221J	220 ohm, 1/4W, ±5%, Carbon	AA		△ F701	QFS-C162EAFNI	Fuse, 1.6A	AD	006	JKNBR0192AFSA	Button, Fast Forward/Cue/ Forward APLD	AD	057	MLEVP0229AFZZ	Lever, Fast Forward/Rewind Prevention	AB	
R703, 704	VRD-ST2EE221J	220 ohm, 1/4W, ±5%, Carbon			J401	QJAKE0091AFZZ	Socket, External Microphone	AE	007	JKNBR0193AFSA	Button, Pause	AD	058	MLEVP0230AFZZ	Lever, Record Sensor	AB	
R711, 712	VRD-ST2EE100J	10 ohm, 1/4W, ±5%, Carbon			J402	QJAKE0091AFZZ	Socket, Mixing Microphone	AE	008	JKNBR0194AFSA	Button, Deck 2 Record	AD	059	MLEVP0231AFZZ	Lever, Sub Chassis Lock	AB	
					J403 (A, B)		Sockets, Line Input/Phono Input		009	JKNBR0195AFSA	Button, Deck 2 Play	AD	060	MLEVP0232AFZZ	Lever, Playback Release	AB	
					J403 (C)	QJAKZ0116AFZZ	Terminal, Earthing	AG	011	LANGF0674AFFW	Bracket, Motor Retaining	AK	061	MLEVP0233AFZZ	Lever, Brake	AB	
				J403 (D, E)		Sockets, Line Output		012	LANGG0078AFZZ	Bracket, Sub Chassis Guide	AC	062	MLEVP0234AFZZ	Lever, Auto Stop Control	AB		
				J701	QJAKJ0106AFZZ	Socket, Headphones	AF	013	LANGK0250AFFW	Bracket, Button Block	AC	063	MLEVP0235AFZZ	Lever, Sensor	AB		
				J702, 703	QJAKB0056AFZZ	Sockets, External Speaker	AE	015	LANGT0978AFZZ	Bracket, Head Base	AB	064	MLEVP0236AFZZ	Lever, Erase Protector	AB		
								016	LANGT1061AFZZ	Bracket, Mechanism P.W. Board Retaining	AC	065	MLEVP0237AFZZ	Lever, Record Interlocking	AD		
								017	LBSSH0001AG00	Cushion, Motor	AA	066	MLEVP0239AFZZ	Lever, Thrust	AC		
								018	LCHSM0361AFZZ	Second Chassis (Deck 2)	AE	067	MLEVP0240AFZZ	Lever, Main Button Block	AB		
								019	LCHSM0374AFZZ	Main Chassis	AU	068	MLEVP0241AFZZ	Lever, Sub Button Block	AB		
							020	LCHSM0384AFZZ	Second Chassis (Deck 1)	AE	069	MLEVP0277AFZZ	Lever, Cassette Eject	AC			
							021	LCHSS0159AFZZ	Sub Chassis	AD	070	MLEVP0278AFZZ	Lever, Cassette Eject Button	AC			
							022	LHLDW3056AFZZ	Wire Holder, 31mm	AA	071	MLEVP0279AFZZ	Lever, Deck 1 Playback Button	AC			
							023	LPINZ0051AFZZ	Pin, Pause Lever	AA	072	MLEVP0280AFZZ	Lever, Stop Button	AC			
											073	MLEVP0281AFZZ	Lever, Rewind Button	AC			
											074	MLEVP0282AFZZ	Lever, Cut Button	AC			
											075	MLEVP0283AFZZ	Lever, Fast Forward Button	AC			
											076	MLEVP0284AFZZ	Lever, Pause Button	AC			
											077	MLEVP0286AFZZ	Lever, Deck 2 Record Button	AC			
											078	MLEVP0287AFZZ	Lever, Deck 2 Playback Button	AC			
											079	MLEVP0290AFZZ	Sitter Head	AB			
											080	MSPRC0229AFFJ	Spring, Pause Lever Pin	AB			
											081	MSPRC0230AFFJ	Spring, Head Azimuth	AB			
											082	MSPRC0231AFFJ	Spring, Solenoid	AB			
											083	MSPRC0248AFFJ	Spring, Sensor Lever	AB			
											084	MSPRD0312AFFJ	Spring, P.A.D. Lock Lever	AB			
											085	MSPRD0315AFFJ	Spring, Record Sensor Lever	AB			

REF. NO.	PART NO.	DESCRIPTION	CODE	REF. NO.	PART NO.	DESCRIPTION	CODE	REF. NO.	PART NO.	DESCRIPTION	CODE	REF. NO.	PART NO.	DESCRIPTION	CODE
086	MSPRD0316AFFJ	Spring, Fast Forward/ Rewind Release	AB	207	GFTAC1174AFSA	Transparent Plate, Cassette Compartment	AE	253	LHLDX1059AFSA	Guide, Cassette Compart- ment (Right)	AB	281	PFLT-0339AF00	Felt, Cassette Compart- ment Guide	AA
087	MSPRD0318AFFJ	Spring, Pause Cam	AB	208	HBDGB1057AFSA	SHARP Badge	AD	254	LPLTZ0054AFZZ	Cover, Battery Compart- ment	AB	282	PFLT-0484AFZZ	Felt, Tweeter	AA
088	MSPRD0335AFFJ	Spring, Sub Chassis Lock	AB	209	HDALM0357AFSB	Dial Plate Assembly	AK					283	PGUMS0213AF00	Cushion, L.E.D.	AA
089	MSPRD0348AFFJ	Spring, Pinch Roller Return	AA	210	HDECQ0156AFSA	Speaker Ring	AM	255	LX-BZ0345AFFF	Screw, AC Power Supply Socket Cover Retainer	AF	284	PGUMS0207AF00	Cushion, Operation Panel	AB
090	MSPRD0349AFFJ	Spring, P.A.D. Gear	AB	211	HINDM1521AFSB	Indication Plate, Volume (Green)	AB	256	LX-BZ0332AFSA	Decoration Screw, Dial Transparent Plate	AD	285	PRDAR0275AFFW	Heat Sink	AH
091	MSPRD0359AFFJ	Spring, Pinch Roller	AB		HINDM1521AFSC	Indication Plate, Volume (Blue)	AB		LX-CZ0002AFZZ	Screw, Cabinet	AB	286	PSLDM9102AFZZ	Shield Plate	AC
092	MSPRD0367AFFJ	Spring, Record Conversion	AB		HINDM1522AFSB	Indication Plate, Volume	AB	257	MLEVF1267AFZZ	Lever, Record Interlocking	AE	287	QANTR0123AFZZ	FM/SW Telescopic Rod Aerial	AM
093	MSPRD0376AFFJ	Spring, Over Stroke	AB	212	HINDM1522AFSB	Indication Plate, Volume	AB	258	MLEVP0321AFSA	Lock Lever, Cassette Compartment	AC	288	QCNW-1433AFZZ	Wiring Lead, Telescopic Rod Aerial	AC
094	MSPRP0283AFFJ	Plate Spring, Sub Chassis Retainer	AB	213	HINDP0384AFSA	Mirror, Cassette Compart- ment	AC	259				△ 289	QFSDH02051AFZZ	Fuse Holder	AA
095	MSPRP0252AFFJ	Spring, Cassette Retainer	AB	△ 214	HINDP0937AFSA	Label, Specifications	AC	260	MLIFP0011AFZZ	Damper, Cassette Compartment	AG	290	QLUGP0109CEFW	Lug Terminal, 17mm	AA
096	MSPRP0269AFFJ	Plate Spring, Deck 1 Button Retainer	AB	215	HINDP0401AFSA	Indication Plate, Input/ Output	AB	261	MSPRC0176AFFN	Spring, Battery Terminal	AB	291	QTANB0156AFFN	Terminal, Battery	AB
097	MSPRT0739AFFJ	Spring, Record Prevention Lever	AB	216	HPNC-0143AFSA	Punching Metal, Tweeter	AG	262	MSPRC0256AFFJ	Spring, Battery Terminal	AC	292	RMICC0081AFZZ	Built-in Microphone/ Tweeter Assembly	AM
098	MSPRT0740AFFJ	Spring, Auto Stop Control Lever	AB	217	HPNC-0142AFSA	Punching Metal, Woofer	AN	263	MSPRC0258AFFJ	Spring, ALPD Knob	AA	296	PSPA10195AFZZ	Insulator	AA
099	MSPRT0741AFFJ	Spring, Brake Lever	AB	218	HPNLD1205AFSA	Window, Dial	AH	264	MSPRC0265AFFJ	Spring, Record Interlocking Lever	AB	△	QPLGA0251AFZZ	Adaptor, AC Plug	AE
100	MSPRT0743AFFJ	Spring, Brake Release Lever	AB	219	HSSND0300AFSB	Pointer (Main)	AB	265	MSPRD0345AFFJ	Spring, Cassette Compart- ment	AB	△	QACCZ0051AF00	AC Supply Cord	AH
101	MSPRT0744AFFJ	Spring, Cassette Lock Lever	AB	220	HSSND0301AFSB	Pointer (Sub)	AF						RTPEK0091AFZZH	Cassette Tape	AL
102	MSPRT0745AFFJ	Spring, Deck 1 Pause Lever	AB	221	JHNDG1077AFSA	Handle	AV	266	MSPRD0438AFFJ	Spring, Cassette Compart- ment Guide (Right)	AA		SPAKA0808AFZZ	Packing Add, Left Side	AG
103	MSPRT0746AFFJ	Spring, Playback Button Lever	AB	222	JKNBK0256AFSA	Knob, Band Selector	AE						SPAKA0809AFZZ	Packing Add, Right Side	AG
				223	JKNBK0257AFSA	Knob, Tuning	AH	267	MSPRD0439AFFJ	Spring, Cassette Compart- ment Guide (Left)	AA		SPAKC1959AFZZ	Packing Case	AP
104	MSPRT0747AFFJ	Spring, Sub Chassis Return	AB	224	JKNBK0258AFSA	Knob, Fine Tuning	AG						SPAKP0181AFZZ	Bag, Unit	AD
105	MSPRT0793AFFJ	Spring, Deck 2 Pause Lever	AB	225	JKNBM0423AFSA	Knob, Microphone Selector/ Loudness/Deck 1-Deck 2	AC	268	MSPRT0765AFFJ	Spring, Cassette Compart- ment Lock Lever	AB		SPAKX0520AFZZ	Pad, Cassette Compart- ment Protector	AE
106	MSPRT0794AFFJ	Spring, Deck 2 Playback Arm	AB		JKNBM0423AFSB	Tape Selector/Dubbing	AC	269	MSPRT0796AFFJ	Spring, Dial Stringing	AB		SSAKH0024AGZZ	Bag, Operation Manual	AA
107	NBALS0006AGFJ	Steel Ball, 2mm Dia.	AA		(Green)	Dubbing Speed Selector/ Function Selector/FM		270	NBLTK0204AFZZ	Belt, Digital Tape Counter Drive	AB		TINSZ0623AFZZ	Operation Manual	AL
108	NBLTH0076AFZZ	Blet, Flywheel Drive	AC			Mode -FM Muting/Deck 2 Record Muting		271	NDRM-0159AFZZ	Drum	AC		TMAPC0845AFZZ	Schematic Diagram	AB
109	NBLTK0184AFZZ	Belt, Playback	AB	226	JKNBP0167AFSA	Knob, Mixing Microphone Volume Control/Tone	AC	272	NPLYB0050AFZZ	Pulley, Dial Stringing	AA		UBATU0009AGZZ	Battery	AC
110	NDAIR0150AFSA	Turntable, Take-up	AG			Controls (Bass and Treble)/Volume Controls		273	NPLYB0051AFZZ	Pulley, Dial Stringing	AA		TLABZ0283AFZZ	Label, Deck 1	AC
111	NDAIR0151AFSA	Turntable, Supply	AE			(Right and Left)		274	LHLDW9002CEZZ	Wire Holder	AA		TLABZ0284AFZZ	Label, Deck 2	AC
112	NFLYC0090AFZZ	Flywheel Assembly	AP					275	PCOVP1175AFSA	Cover, Power Switch	AB		TLABZ0285AFZZ	Label, Woofer, R-ch	AC
113	NGERH0066AFZZ	Gear, P.A.D.	AB	227	JKNBP0168AFSA	Knob, Power	AE	277	PCUSU0128AFZZ	Cushion, Coil (Tuner P.W. Board)	AA				
114	NGERH0067AFZZ	Gear, Playback	AE	228	JKNBZ0222AFSA	Knob, APLD Start Set/ APPS Pause Set - APLD	AC	278	PCUSU0252AFZZ	Cushion, Battery Compartment	AB				
115	NGERP0052AFZZ	Gear, Playback Drive	AD			Clear/APPS Restart									
116	NIDR-0073AFZZ	Idler, Playback	AD	229	KCOUB0117AFZZ	Deck 2 Digital Tape Counter	AK	280	PFLT-0127AF00	Felt, Battery Compartment	AA				
117	NIDR-0074AFZZ	Idler, Rewind	AB	230	LANGF0672AFFW	Bracket, Cabinet Strengthen	AF								
119	NPLYR0076AFZZ	Pulley, Playback	AB	231	LANGF0673AFFW	Bracket, Transformer Strengthen	AD								
120	NROLV0017AFZZ	Roller, Fast Forward	AF	232	LANGF0675AFFW	Bracket, External Speaker Socket	AC								
121	NROLX0014AFZZ	Roller, Rewind	AF	234	LANGK0259AFFW	Bracket, Lever Retainer	AA								
122	NROLY0043AFZZ	Pinch Roller	AG	235	LANGK0272AFFW	Bracket, Input/Output P.W. Board Retaining	AB								
123	NSFTN0008AFFW	Shaft, Playback Pulley	AB	236	LANGQ0843AFFW	Bracket, P.W. Board Retaining	AD								
124	NSFTT0154AFFW	Shaft, Button	AD	237	LANGQ0844AFFW	Bracket, P.W. Board Retaining	AC								
125	NSFTT0167AFFW	Shaft, Record Conversion Lever	AD	238	LHLDA1057AFZZ	Holder, Antenna	AC								
126	PGUMR0052AFZZ	Cushion, P.A.D. Lever	AB	239	LHLDF1252AFZZ	Frame, Tuner	AG								
127	PSPAA0055AFFW	Spacer, Motor Cushion	AB	240	LHLDF1253AFZZ	Frame, Main	AP								
128	QCNW-0964AFZZ	Terminal Lug with Lead	AC	241	LHLDF1254AFSA	Frame, Tuner	AH								
129	RHEDA0090AFZZ	Erase Head	AK	242	LHLDP1069AFSA	Holder, L.E.D. (APLD)	AC								
130	RHEDH0102AFZZ	Record/Playback Head	AQ	243	LHLDP1070AFSA	Holder, L.E.D. (Level Meter)	AC								
131	MLEVP0343AFZZ	Lever, APLD Switch (Deck 1)	AC	244	LHLDS1056AFZZ	Spacer, Band Selector	AC								
132	RHEDF0069AFZZ	Playback Head	AQ	245	LHLDS1059AFZZ	Spacer, Tuning Knob	AB								
133	LANGA0091AFFW	Bracket, APLD Switch Retainer	AC	246	LHLDW1059AFZZ	Wire Holder	AA								
134	LBOSZ0109AFFW	Sleeve, P.W. Board Retainer	AB	247	LHLDW1068AFZZ	Nylon Band, 100mm	AA								
				248	LHLDW1072AFZZ	Wire Holder, 11.5mm Dia.	AB								
				249	LHLDW1075AFZZ	Nylon Band, 60mm	AA								
				251	LHLDW9003CEZZ	Wire Holder, 45mm	AA								
				252	LHLDX1058AFSA	Guide, Cassette Compart- ment (Left)	AB								
MISCELLANEOUS															
△ 201	GCAB-1113AFSB	Front Cabinet Assembly	BE												
△ 202	GCAB-1114AFSA	Rear Cabinet Assembly	AX												
△ 203	GCOVH1180AFSC	Cover, AC Power Supply Socket	AD												
204	GFTAB1125AFSA	Battery Compartment	AE												
205	GFTAC1185AFSB	Deck 1 Cassette Compart- ment Assembly	AK												
206	GFTAC1186AFSB	Deck 2 Cassette Compart- ment Assembly	AK												

SHARP

SERVICE

**MODEL
GF-575H**



Neuerungen :

- PAD Mechanik
- Double Speed kopieren
- APFS
- APLD
- Dolby

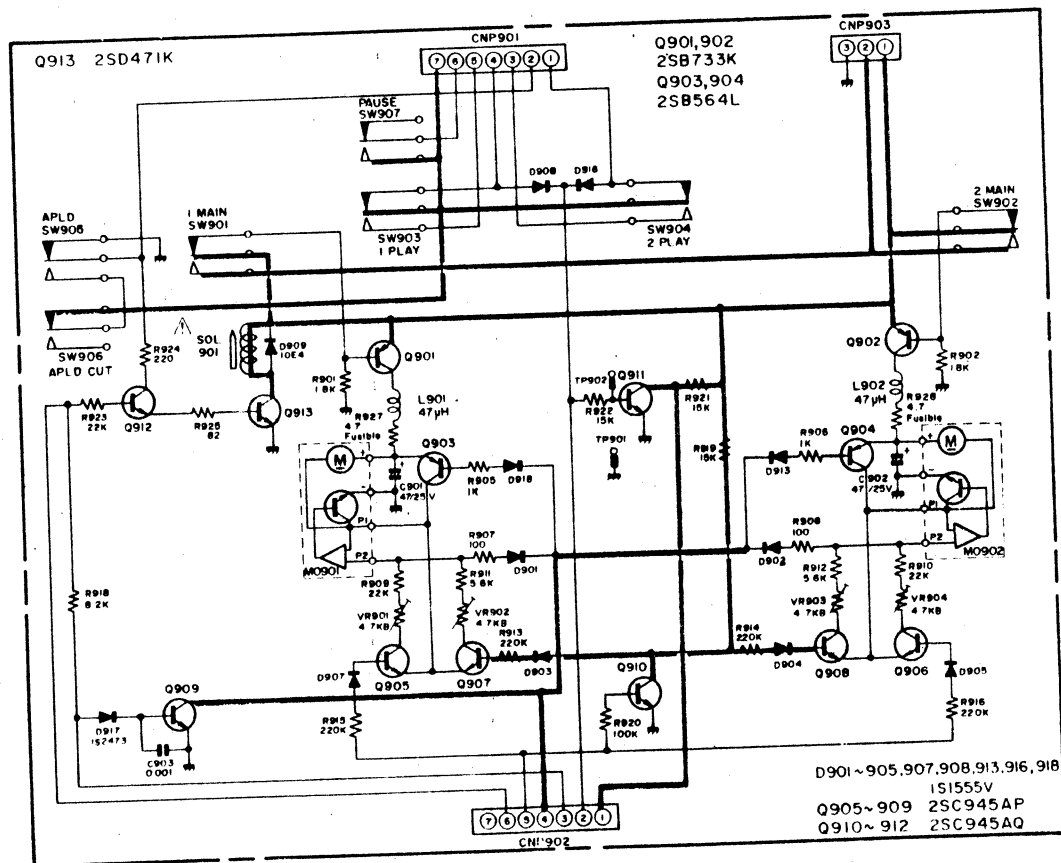


SERVICE

MODEL

GF 575

- Play - APFS - Rec - DS Dupping -



MODEL

GF 575

- APLD - APFS -

