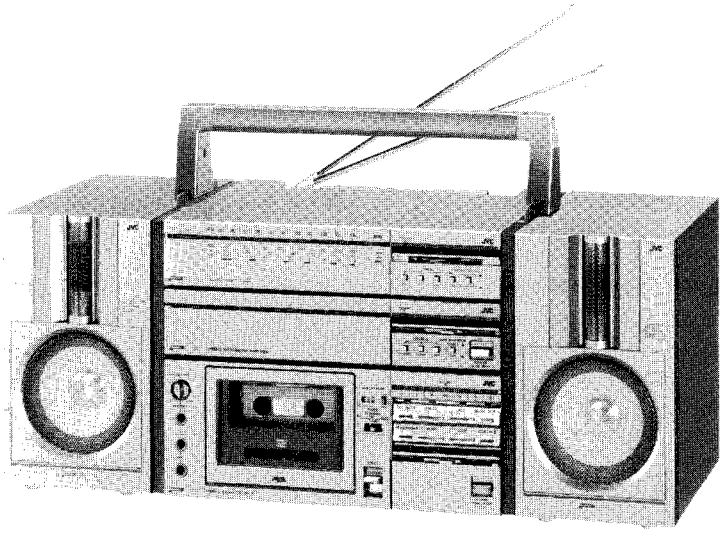
JVC

SERVICE MANUAL

MODEL

PC-5 L/LB

PORTABLE COMPONENT SYSTEM



No. 1443
April 1981

Contents

Features

1. Complete stereo component system in a single box consisting of 5 units: amplifier, tuner, cassette deck and speakers.
   - Compactness and light weight permits use any place.
   - High portability permits on-the-spot recording.
2. Two-motor full-logic tape transport mechanism
   - Light-touch direct mode changeover between any mode.
   - High performance with an incredibly low wow & flutter of 0.05% (WRMS).
   - Cue/REVIEW mechanism
   - Gear/oil-damped cassette door for smooth, quiet operation.
3. Remote control capability
   - Optional remote control unit (R-15E).
4. Auto-Scanning (MUSIC SCAN) mechanism
5. Metal tape compatibility
   - SA (Sen-Alloy) Record/Playback head.
   - 2-Gap SA Erase head.
6. Playback with microphone mixing facility.
7. ANRS/Dolby* B and Super ANRS incorporated.
8. Headphones with volume control.
9. TIMER STANDBY mechanism.
10. Record muting (REC MUTE) mechanism with LED indicator.
11. Total output of 30W (15W + 15W, distortion rate of 5% on AC).
12. 2-color LED tuning indicator with dial scale.
13. 10-cm full range speakers.
14. 4-way power supply (AC, battery, rechargeable battery, and car battery).

*Dolby and Dolbyized are trademarks of Dolby Laboratories.

Specifications

Cassette Deck Section (PC-D5)

Track system	: 4-track 2-channel stereo
Motors	: Electronic governor DC motor for capstan; DC motor for reel
Heads	: SEN ALLOY head for recording/playback; 2-Gap SEN ALLOY head for erasure
Frequency response	: 30 – 17,000 Hz (with metal tape) 30 – 16,000 Hz (with SA/chrome tape) 30 – 15,000 Hz (with SF/normal tape)
Signal-to-noise ratio	: 58 dB (weighted, at 1 kHz, 3% THD with metal tape, with ANRS/DOLBY B NR OFF) Improved by 5 dB at 1 kHz and by 10 dB at 5kHz or more with ANRS/DOLBY B NR on
Effect of Super ANRS (normal tape)	
Improvement of S/N	: The same as with ANRS/DOLBY B
Improvement of frequency response	: 0 VU recording; 6 dB at 10 kHz +5 VU recording; 12 dB at 10 kHz
Improvement of distorstion	: 0 VU recording; 3% or less at 10 kHz : +5 VU recording; 3% or less at 10 kHz
Channel separation	: 40 dB (1 kHz)
Crosstalk	: 65 dB (1 kHz)
Third harmonic distortion	: 0.5% (metal tape, at 1 kHz)
Wow and flutter	: 0.05% (WRMS)
Fast forward time	: Within 95 sec (C-60 cassette)
Rewind time	: Within 95 sec (C-60 cassette)
Bias system	: AC bias
Input terminals	: MIC x 2 (Maximum sensitivity: 0.3 mV/-68 dBs, Matching impedance: 200 Ω – 2 kΩ), LINE IN x 2 (Minimum input level: 100 mV/-18 dBs, Input impedance: 47 kΩ),
Output terminals	: LINE OUT x 2 (Output level: 300 mV, output impedance: 5 kΩ), PHONES x 1 (Output level: 0 – 0.3 mW/8 Ω Matching impedance: 8 Ω – 1 kΩ), DC OUT x 1 (12 V)
DIN socket	: Min. input level: 0.1 mV/kΩ Input impedance: 10 kΩ Output level: 300 mV Output impedance: 5 kΩ Matching impedance: 50 kΩ or more
Remote control terminal	: 8-pin DIN connector (Rewind, fast forward, play, record, stop, pause, record muting are remote controlled with optional R-15E unit.)
Semiconductors	: 15 ICs, 47 transistors
Power sources	: DC 12 V ("R20" x 8, optional BP-12K rechargeable battery pack), EXT DC (car battery via optional CN-333K car adapter)
Dimensions	: 270 (W) x 110 (H) x 209 (D) mm including pads and knobs (10-11/16" x 4-3/8" x 8-1/4")
Weight	: 3.9 kg (8.6 lbs) with batteries 3.2 kg (7.1 lbs) without batteries

Amplifier Section PC-A5

Circuitry	: BTL-connected SEPP circuit
Power output	: Max. 40 W (20 W + 20 W) (6 Ω, AC) Music power 46 W (23 W + 23 W) (6 Ω, AC)
Frequency response	: 30 Hz to 30,000 Hz (±3 dB)
Signal-to-noise ratio	: 80 dB (new IHF)
Tone control	: Bass ±8 dB (100 Hz), Treble ±8 dB (10 kHz)
Input terminals	: PHONO x 2 (3 mV/47 kΩ), TUNER x 2 (300 mV/68 kΩ), AUX x 2 (300 mV/68 kΩ), TAPE PLAY x 2 (300 mV/68 kΩ),
Output terminals	: TAPE REC x 2 (300 mV/10 kΩ) SPEAKER x 2 (load impedance 6 ~ 8 Ω) DC OUT x 2 (12V, switched)
Semiconductors	3 ICs, 10 transistors
Power sources	AC 240/220/110V 50/60 Hz DC 12V (supplied from the deck section; car battery via optional CN-333K car adapter)
Power consumption	: 85 watts (AC) – PC-5L 75 watts (AC) – PC-5LB
Dimensions	: 270 (W) x 56 (H) x 218 (D) mm including pads and knobs (10-11/16" x 2-1/4" x 8-5/8")
Weight	: 2.5 kg (5.6 lbs)

Tuner Section PC-T5

Frequency ranges	: FM 88 – 108 MHz SW 6 – 18 MHz MW 540 – 1600 kHz LW 150 – 350 kHz
(FM tuner section)	
Usable sensitivity	: 2.8 μV/75 Ω
Signal-to-noise ratio	: 60 dB (MONO)
Total harmonic distortion	: 0.35% (1 kHz)
Capture ratio	: 2.0 dB
Selectivity	: 60 dB
Stereo separation	: 40 dB (1 kHz)
Frequency response	: 25 Hz – 15,000 Hz
Antennas	: Telescopic antennas x 2 Ext. antenna terminal (300 Ω)
(AM tuner section)	
Sensitivity	: AM ; 250 μV/m (IEC) LW ; 398 μV/m (IEC) SW ; 28 μV (IEC)
Total harmonic distortion	: 0.6%
Signal-to-noise ratio	: 50 dB
Selectivity	: 30 dB
Antenna	: Telescopic antenna (SW) Ferrite core antenna (MW, LW) : Ext. antenna terminal (300 Ω) for SW
Output terminals	: OUTPUT x 2 (300 mV)
Semiconductors	: 2 ICs, 22 transistors
Power Source	: DC 12 V (supplied from the amplifier)
Dimensions	: 270 (W) x 56 (H) x 210 (D) mm including pads and knobs (10-11/16" x 2-1/4" x 8-5/16")
Weight	: 1.4 kg (3.1 lbs)

Speaker Section (PC-B5)

Type	: Full-range bass reflex system (book-shelf type)
Speaker units	: 10 cm (4") cone
Impedance	: 6 Ω
Playback frequency response	: 75 – 17,000 Hz
Output sound pressure level	: 90 dB
Rated input	: 15 watts
Maximum input	: 20 watts
Dimensions	: 124 (W) x 218 (H) x 206 (D) mm including pads (4-15/16" x 8-5/8" x 8-1/8")
Weight	: 1.9 kg (4.2 lbs)

Portable Component System PC-5

Power sources	: AC 240/120/110V 50/60 Hz
Dry batteries	: DC 12 V ("R20" x 8)
Rechargeable battery	: DC 12 V, (optional BP-12K)
Car battery	: DC 12 V via optional CN-333K car adapter
Power consumption	: 85 watts (AC) – PC-5L : 75 watts (AC) – PC-5LB
Dimensions	: 538 (W) x 294 (H) x 243 (D) mm including pads, knobs, handle with all components joined with provided fixtures (21-3/16" x 11-5/8" x 9-5/8")
Weight	: 12.9 kg (28.5 lbs) (including fixtures and batteries)

Accessories

Provided : (Factory-connected)
- A set of joint fixtures for the center control section
- 3 pin-plug cords (30 cm/1-7/8")
- 3 DC power supply cords
- A set of joint fixtures (including 4 screws) for speakers
- 2 speaker cords (1 m/3.24 ft)
- Carrying handle
- AC power cord
- Head cleaner
- Cable protector cover
- Demotape

Design and specifications are subject to change without notice.

OPTIONAL ACCESSORIES

Remote control R-15E
Stereo microphone M-201 (600 Ω)
Headphones H-M11 (32 Ω)
Rechargeable battery pack BP-12K
Charge/AC adapter AA-12L (for PC-5L), AA-12LB (for PC-5LB)
Exclusive car adapter CN-333K
Shoulder belt CB-85K
Speakers RB-95K
Carrying case CL-5K

Connections (1)

- Do not switch the power on until all the connections are completed.
- The pin cords and the DC power cords were already connected between the amplifier and the tuner and between the amplifier and the deck. If any are disconnected, refer to this diagram for proper connection.

Connection of Speaker Cord

Regarding the speaker cords, be sure to connect the same channels, (L) to (L) and (R) to (R), or the same polarities, (+) to (+) and (-) to (-). Further, connect to the (-) terminal the wire marked with a black line. Because reversed connection of (+) and (-) causes degraded stereo feeling and sound quality.

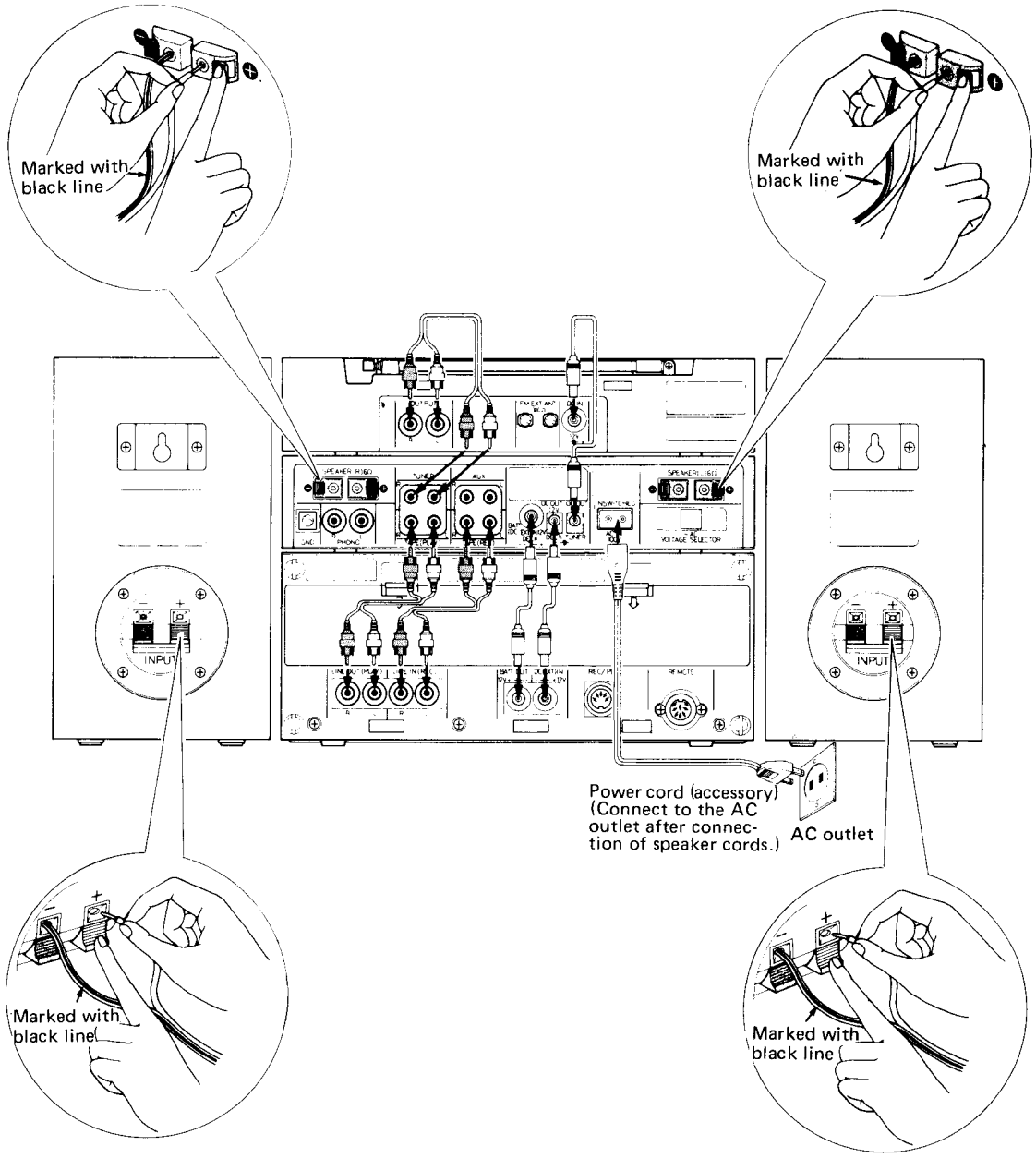
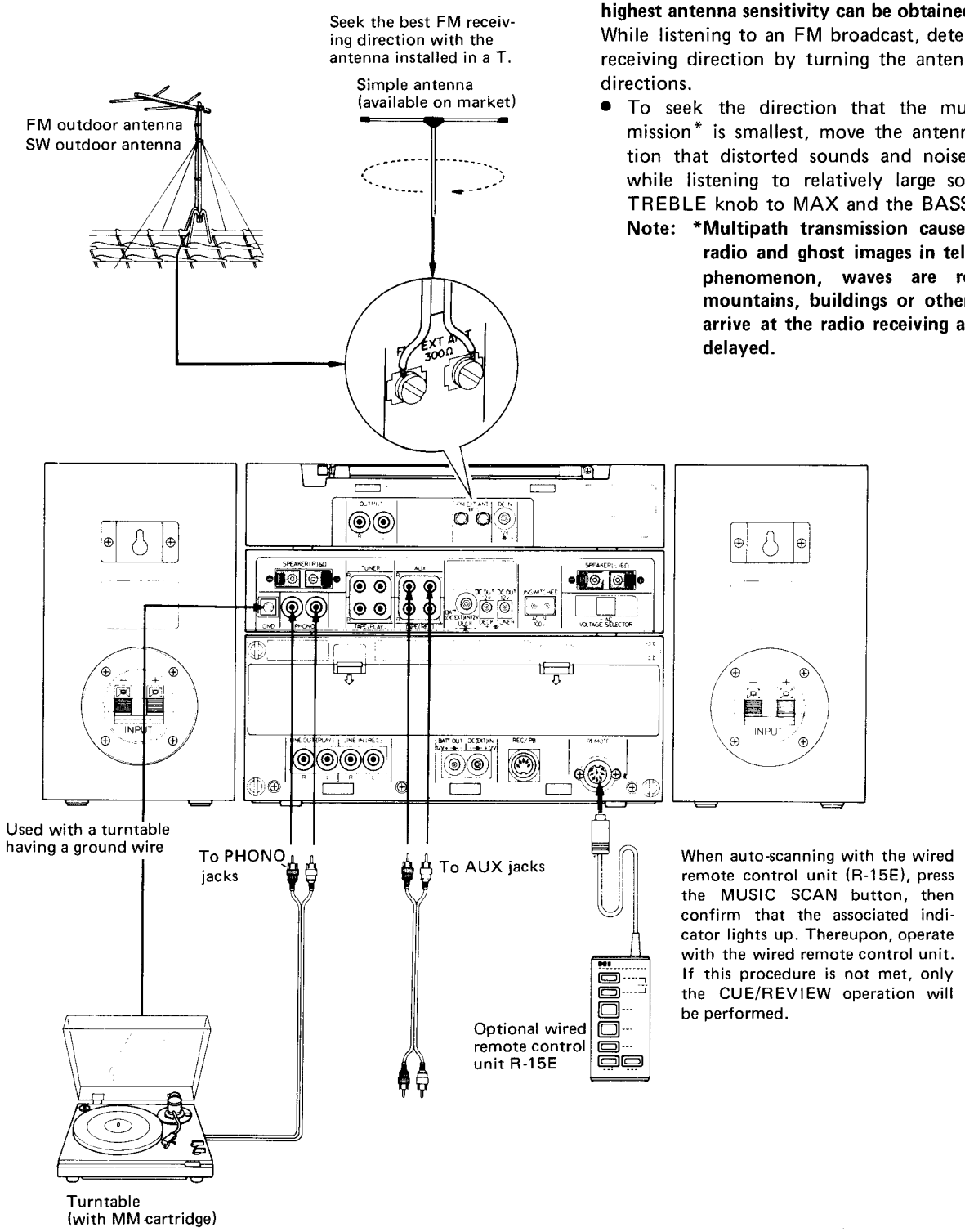


Fig. 1

Connections (2)



When auto-scanning with the wired remote control unit (R-15E), press the MUSIC SCAN button, then confirm that the associated indicator lights up. Thereupon, operate with the wired remote control unit. If this procedure is not met, only the CUE/REVIEW operation will be performed.

Fig. 2

* **Fixing the FM outdoor antenna in the direction that the highest antenna sensitivity can be obtained.**
While listening to an FM broadcast, detect the best FM receiving direction by turning the antenna in different directions.

- To seek the direction that the multipatch transmission* is smallest, move the antenna in the direction that distorted sounds and noises are smallest, while listening to relatively large sounds with the TREBLE knob to MAX and the BASS knob to MIN.

Note: *Multipath transmission causes distortion in radio and ghost images in television. In this phenomenon, waves are reflected from mountains, buildings or other obstacles and arrive at the radio receiving antenna slightly delayed.

- Concerning any connection cord, be sure to connect the same channels, (L) to (L) and (R) to (R), and positively insert each pin plug to the pertinent jack. Incomplete insertion may cause no sound to be emitted or noise to occur.

Various Usage

Installation of Speaker Sections

Removing and Mounting of Speaker Joint Fixtures

1. Align Ⓐ with Ⓑ and slide the speaker box down to secure it at part Ⓒ as illustrated.
2. Join the other speaker in the same manner as above.
3. For removal of the speaker joint fixture, remove the screws with a screwdriver.
4. For mounting the speaker joint fixture, perform the reverse procedure of item 3.

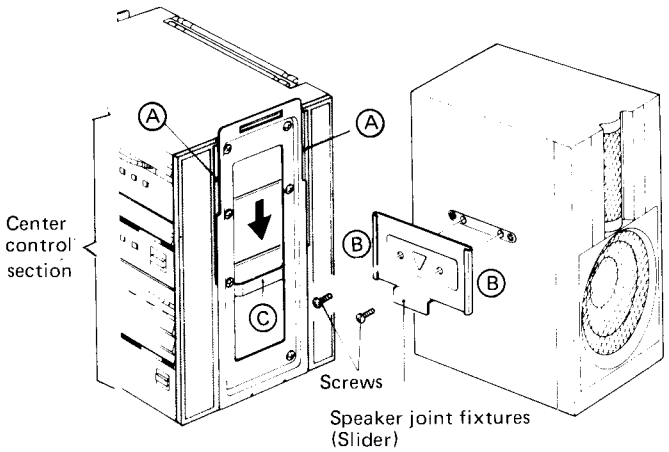


Fig. 3

Mounting the Handle

1. Push the handle grip lock up, in the direction of arrow ① .
2. Pressing mark △ in the direction of arrow ② , secure the handle grip to the slot indicated by arrow ③ .
3. Push the hand grip lock down to close it.
   Close the other hand grip lock in the same manner.

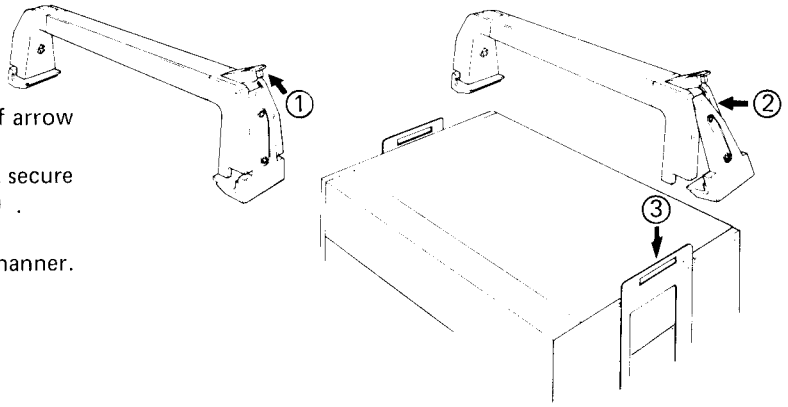


Fig. 4

Mounting of Rear Cover

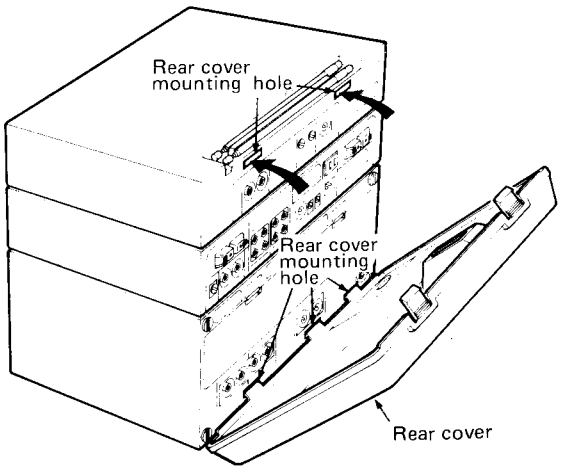


Fig. 5

Removal of Center Control Section Joint Fixture (Frame)

Remove all the screws.

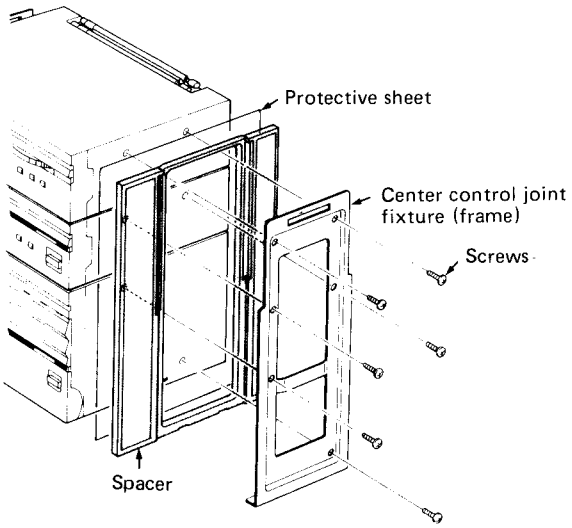
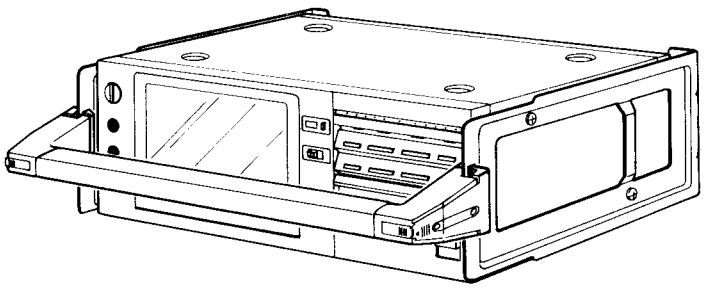


Fig. 6

When Using as a Portable Deck

First remove the frames as mentioned above and fix the handle to both sides of the deck as shown.



When using as a portable deck, use the power source as follows:

Outdoor; Dry batteries ("R20" x 8)
Rechargeble battery pack BP-12K (optional)
In a car; Exclusive car adapter CN-333K (optional)

Indoor; Dry batteries
Rechargeble battery pack BP-12K (Optional)
AC adapter AA-12W (optional)

Connect the exclusive car adapter or AC adapter to the DC (EXT) IN jack on the rear panel.

Fig. 7

Names of Parts

Tuner and Amplifier Units

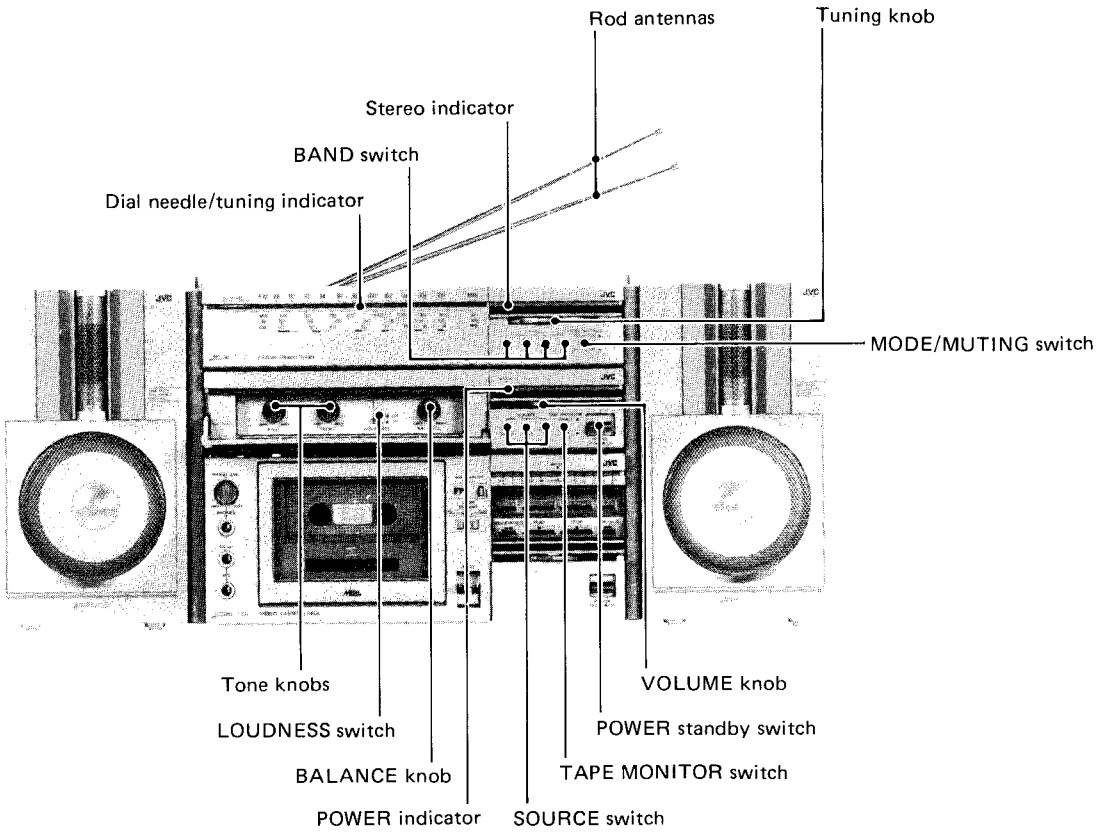


Fig. 8

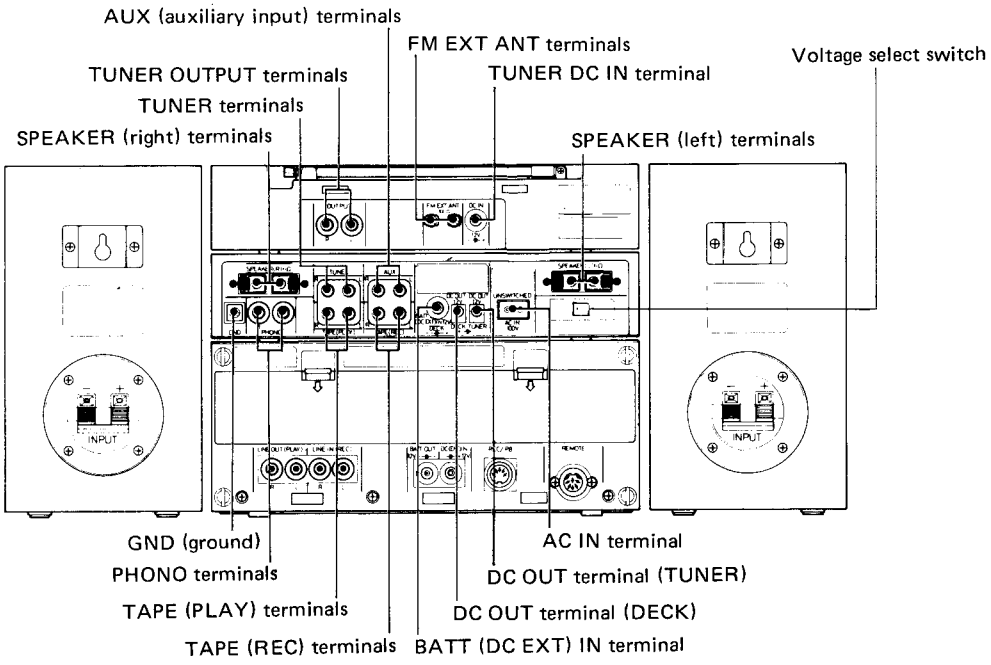


Fig. 9

Cassette deck and speakers units

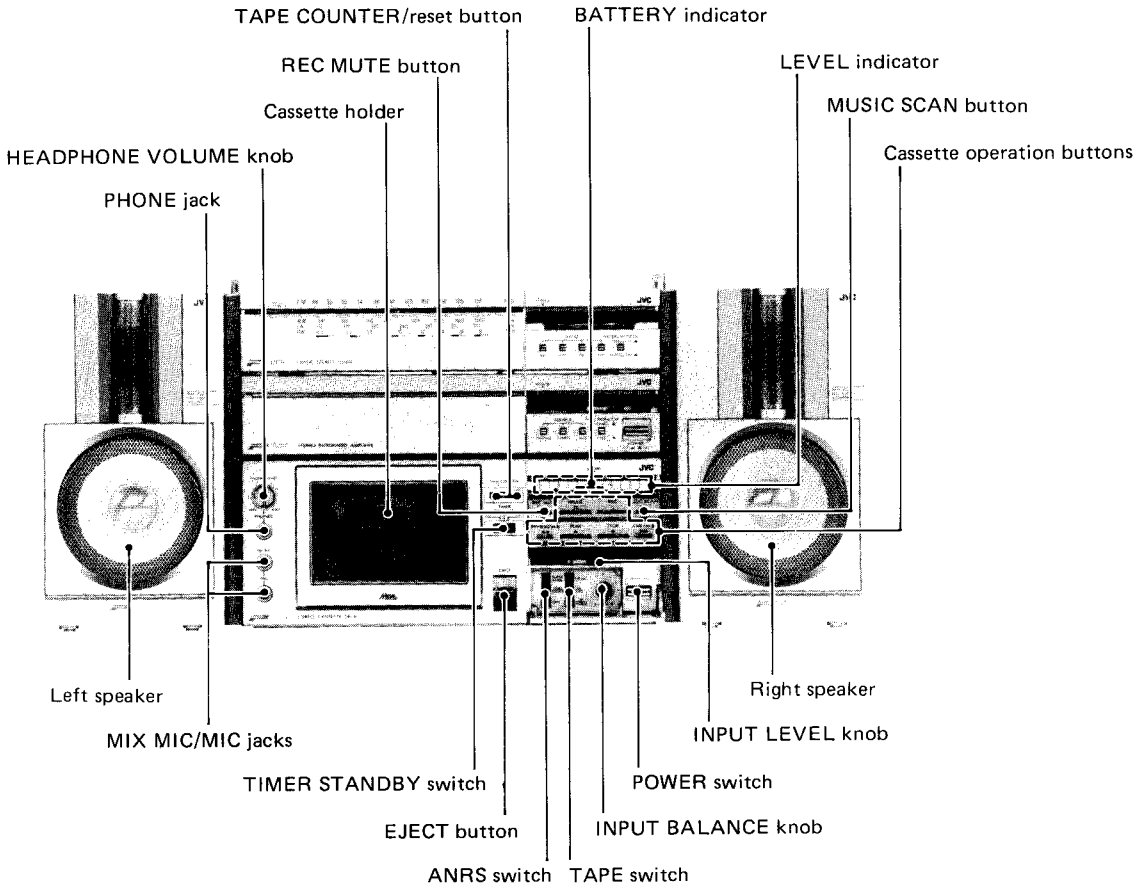


Fig. 10

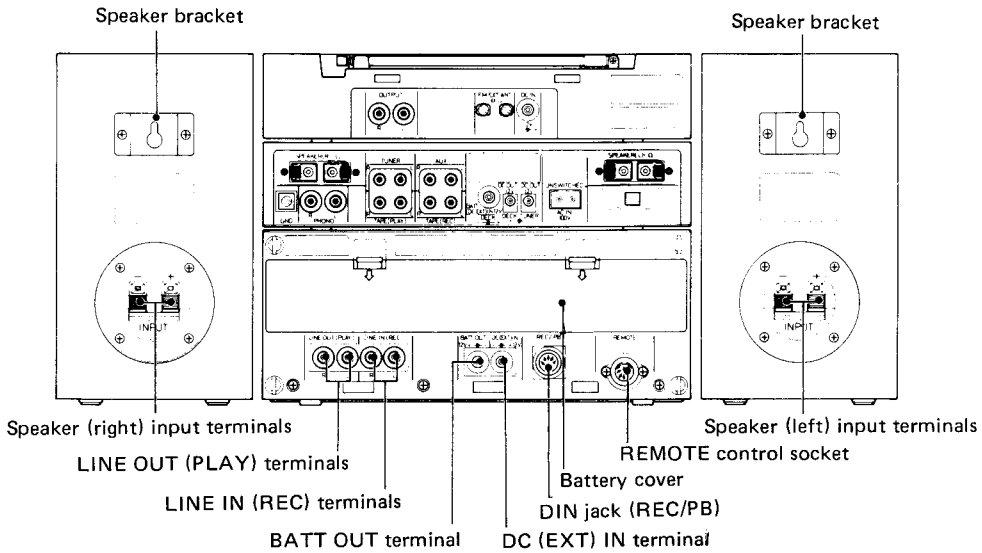


Fig. 11

Main Parts Location

Tuner Unit (PC-T5)

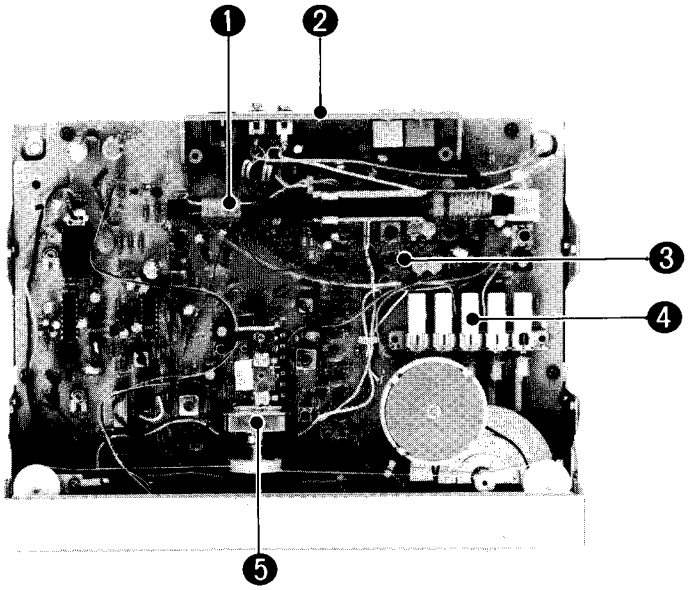


Fig. 12

Amplifier Unit (PC-A5)

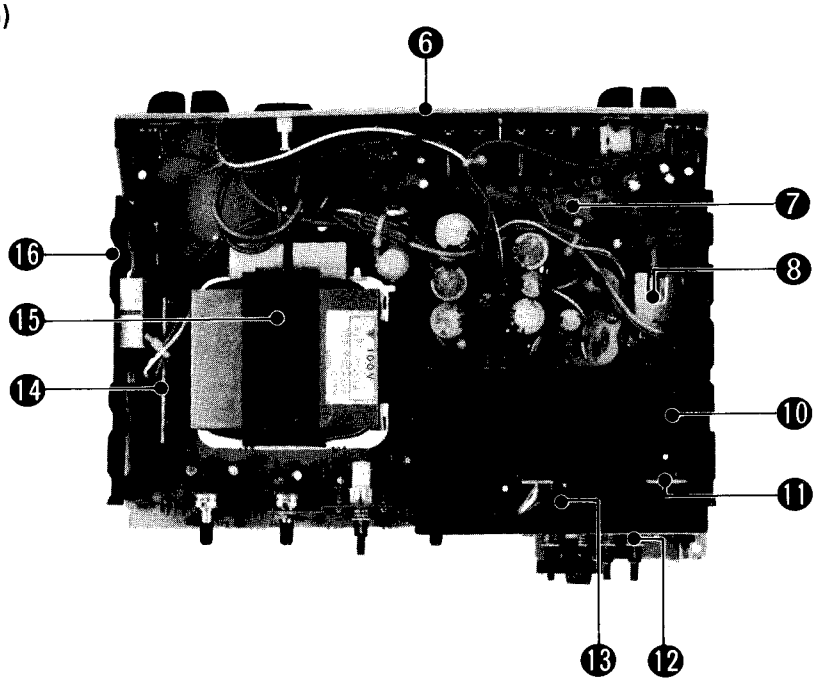


Fig. 13

1	Bar antenna	10	Radiation (A)
2	Jack board	11	Volume P.W. Board
3	Tuner P.W. Board assembly	12	Push switches
4	Push switches	13	Main volume
5	Variable condenser	14	Diodes P.W. Board
6	Jack board	15	Power transformer
7	Amplifier P.W. B. assembly	16	Radiation (C)
8	Power swtich		

Cassette Deck Unit (PC-D5)

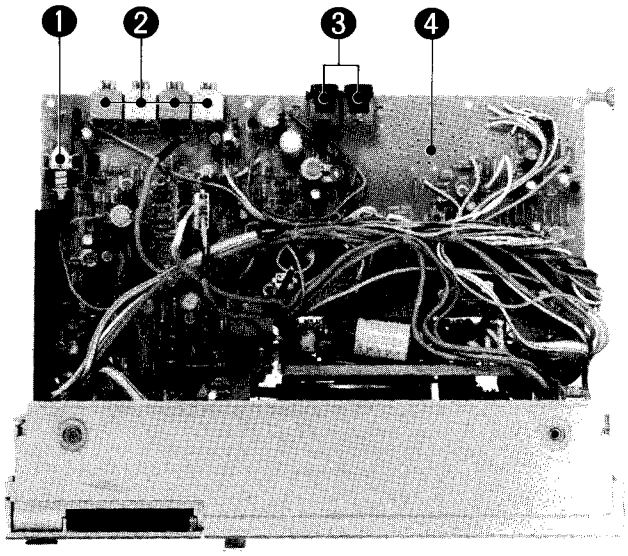


Fig. 14

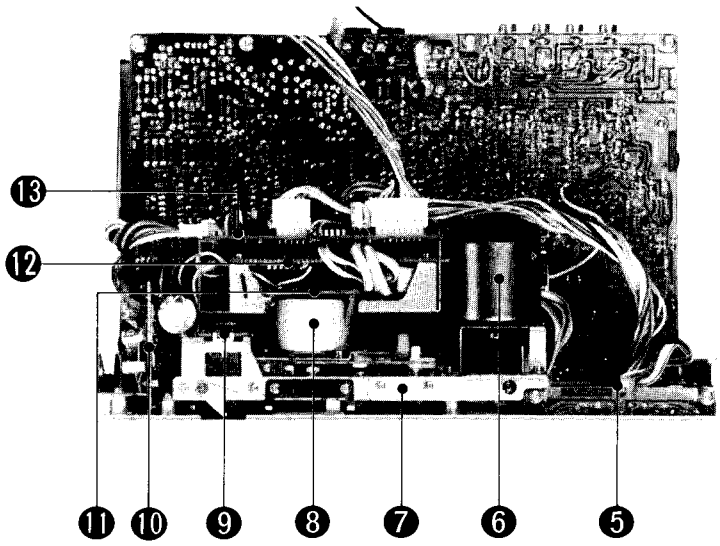


Fig. 15

1	Power switch	8	Reel motor
2	Pin jacks	9	Cassette switch P.W.B. ass'y
3	DC jack	10	Microphone/Headphone amp. P.W.B. ass'y
4	Amplifier P.W.B. assembly (Cassette deck)	11	Reel motor P.W. B. ass'y
5	Level indicator P.W. Board	12	Mecha. control P.W.B. ass'y
6	Capstan motor	13	Music scanning P.W.B. ass'y
7	Cassette mechanism		

How to Removing

Tuner Parts (PC-T5)

1. Cover and front cover.
   1) Remove 9 screws (① ② ③ SHSP3006RS)
   2) Remove 3 screws (④ SPSB4020R) fastening the bottom cover.
   3) Remove the receptacle wires of rod antennas.

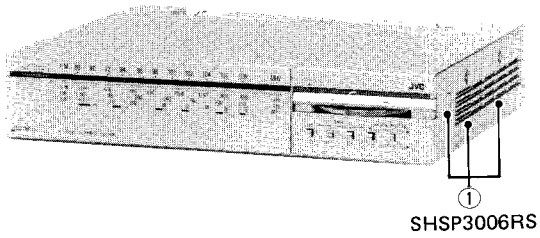


Fig. 16

2. Bottom cover
   Remove 5 screws (⑤ SBSB3006C)

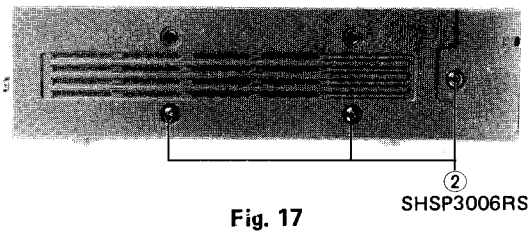


Fig. 17

3. Stereo indicator P.W.B.
   Remove a screw (⑥ SBSF3008Z) from front cover.

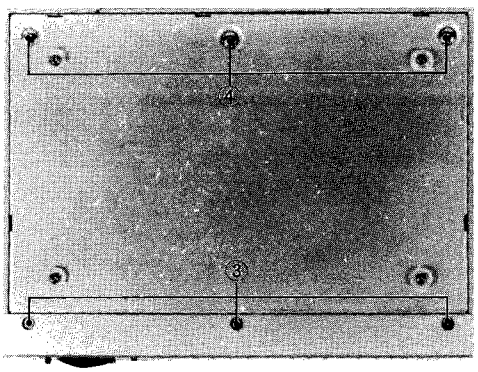


Fig. 18

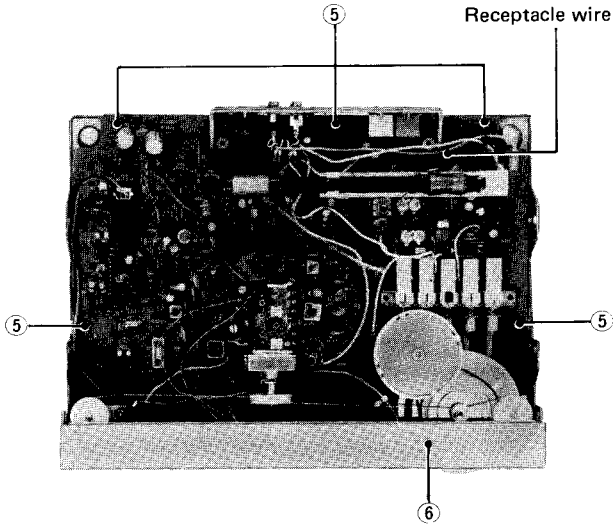


Fig. 19

Amplifier Parts (PC-A5)

1. Cover and front cover
   1) Remove 9 screws (① ② ③ SHSP3006RS).
   To remove the front cover, remove tone knobs and balance control knob.
   2) Remove 3 screws (④ SDSB4020R) fastening the bottom cover.
   (When reassembling them, assemble the cover first.)
2. Bottom cover
   1) Remove 4 screws (⑤ SPSP4004ZS) fastening the bottom cover.
   2) Remove 4 screws (⑥ SSSP3006CS) and 2 screws (⑦ SPSP3006CS).
3. Indicator P.W.B.
   Remove a screw (⑧ SBSF3008Z) fastening the front cover.
4. Diodes P.W.B.
   Remove a screw (⑨ SSSB3010Z) fastening the radiation.
5. Main volume P.W.B.
   Remove 2 screws (⑩ SSSP3008ZS). (It be removed with the bracket).
6. Muting P.W.B.
   Remove a screw (⑪ SPSP3006ZS).
7. Power IC.
   1) Unsolder the power IC.
   2) Remove 2 screws (⑫ SPSP3006ZS) fastening the radiation plate from pattern side.
   3) Remove 2 screws (⑬ SPSP3008ZS) fastening IC.
   (When reassembling IC, apply the silicon grease G-40L to the radiation plate.)
8. Power transformer
   1) Unsolder the power transformer wires on pattern.
   2) Remove 4 screws (⑭ SPSP4008ZS).

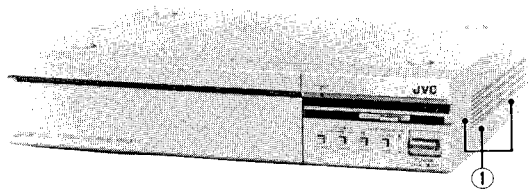


Fig. 20

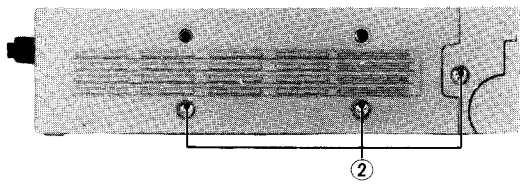


Fig. 21

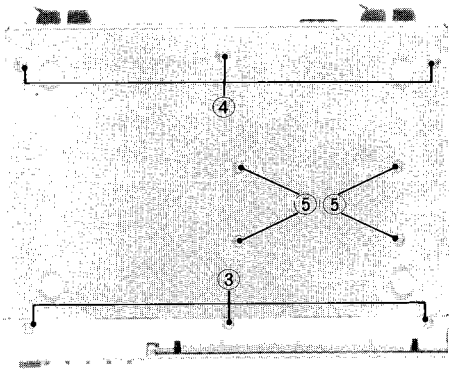


Fig. 22

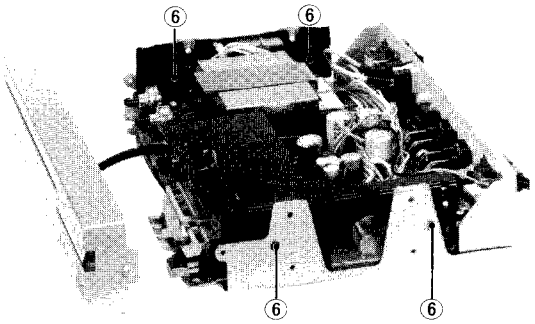


Fig. 23

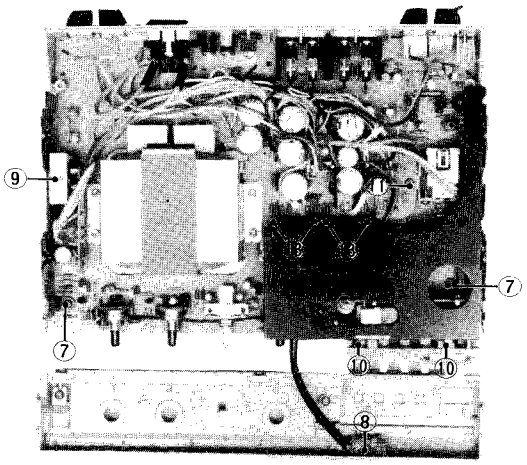


Fig. 24

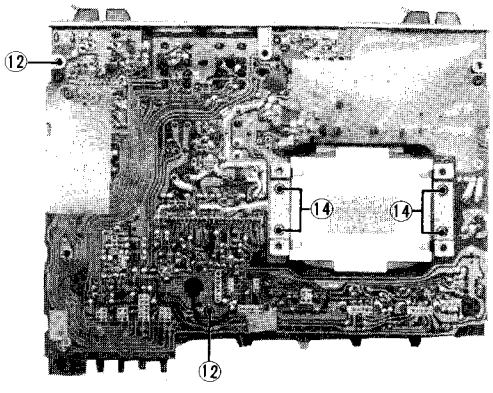


Fig. 25

Cassette Deck Parts (PC-D5)

1. Rear cover
   1) Remove 4 screws (① SDSP3008RS) and 3 screws (② SDSP3008RS).
   2) To remove the rear cover, remove the wires connector (CN703) of remote control socket, and receptacle wires of battery.

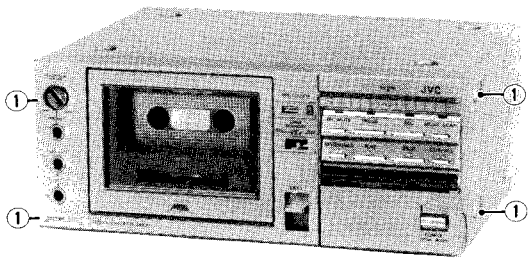


Fig. 26

2. Bottom cover
   1) Remove 2 screws (③ SDSP3006RS)
   2) Remove 4 screws (④ LPSP3006CS) on pattern side of amp. P.W.B.

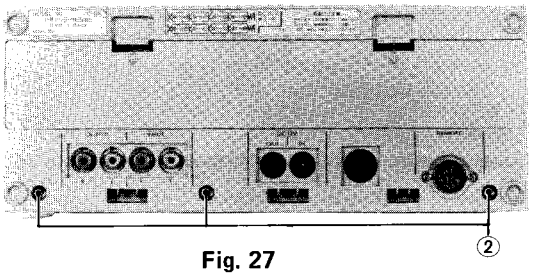


Fig. 27

3. Front cabinet
   1) Remove 4 screws (⑤ SBSF3006C)
   2) Remove 2 screws (⑥ SBSF3006C) fastening input volume P.W.B.
   3) Remove 2 screws (⑦ SBSF3006C) fastening microphone/headphone P.W. Board.
   4) Pull off headphone, volume and input balance knob. Remove the front cabinet from mecha. assembly and amp. P.W.B. assembly.

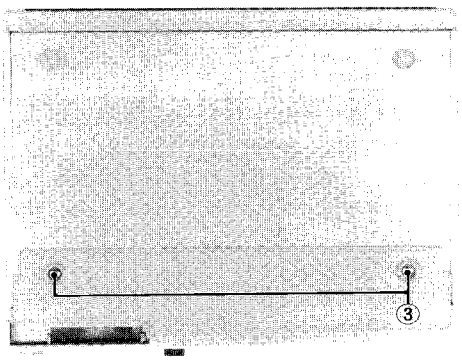


Fig. 28

4. Level indicator P.W.B.
   Remove 2 screws (⑧ SBSF3006C) fastening the level indicator P.W.B. with bracket.
5. Mecha. buttons assembly
   Remove 2 screws (⑨ SBSF3014Z)
   Remove the wires connectors (CN701, 702) from music scanning P.W.B. of mechanical assembly.
6. Mechanical assembly
   Remove 2 screws (⑩ DPSP2606V) on parts side of amp. P.W.B. ass'y.
   Remove the wires connectors (CN901, 902).

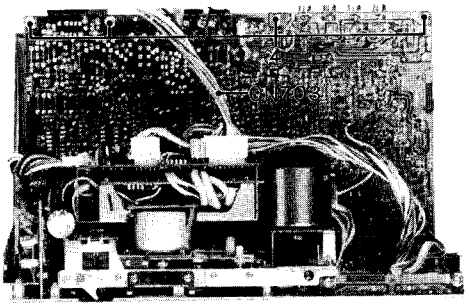


Fig. 29

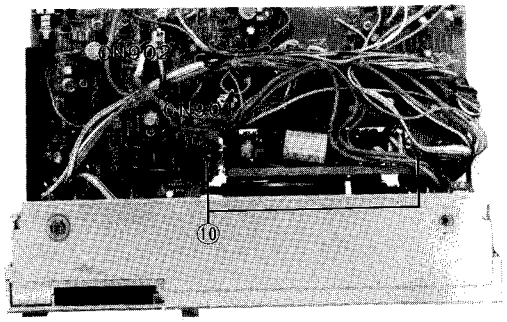


Fig. 31

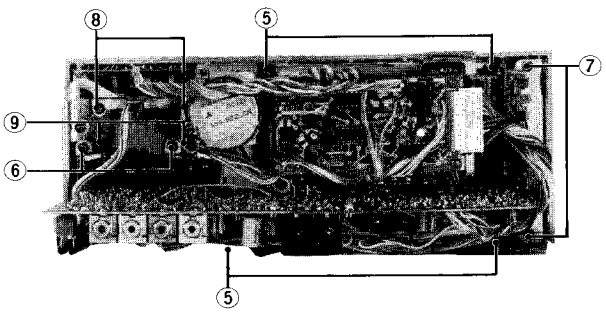


Fig. 30

Removal of Mechanical Parts (PC-D5)

Refer to mechanical component parts on page 48.

Remove in the following sequence.

1. Rec/PB Head (41)
   1) Remove 2 screws ((128) SPSX2010N).
   2) Unsolder the head wires.
2. Erase Head (42)
   1) Remove 2 screws ((127) SPSX2008N)
   2) Unsolder the head wires.
3. Cassette plate.
   Remove (A) (B) positions (in fig. 32) on the mold chassis, and then remove (C) position on the chassis.
4. Pinch roller arm ass'y (79)
   Remove an E ring (113) and pinch roller arm ass'y.
5. Tape counter (63)
   Remove 2 screws ((125) SPSP2004Z) and the counter belt (87)
6. Capstan motor (57)
   1) To remove the rubber stopper (61) , remove a screw ((126) SPSP2603Z).
   2) Remove the capstan belt (85) .
      To remove the motor, turn it in counterclockwise direction and pull it out backward.
7. Leaf switch (133)
   Remove the cassette plate.
   Remove a screw (118) fastening the leaf switch.
8. Take up reel disk (4)
   1) Remove the cassette plate
      Remove the counter belt (87) .
   2) Remove the reel stopper (7) .
   Supply reel disk (5) .
      Remove the reel stopper (7) .
   When reassembly the reel disk, insert the reel disk, pushing the brake lever forward, and the stopper need a new part. (the stopper can not use again.)
9. Music scanning P.W. Board.
   Remove 2 screws ((121) LPSP2606Z), and then pull. off the music scanning P.W.B. from the flywheel holder.

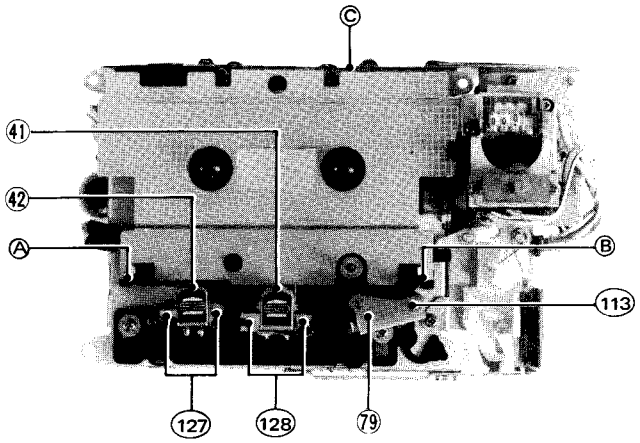


Fig. 32

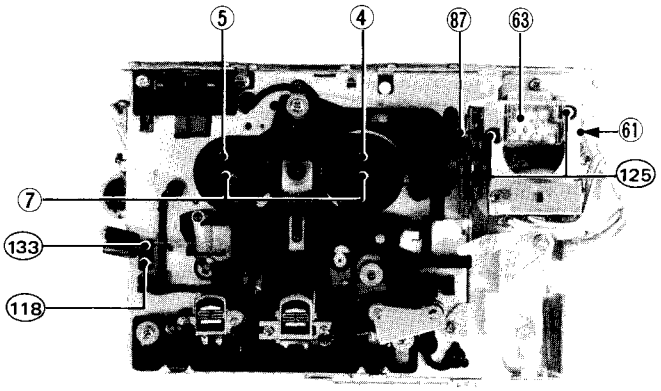


Fig. 33

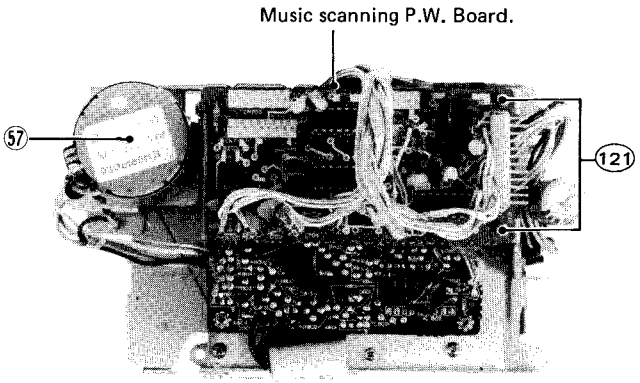


Fig. 34

10. Mecha. control P.W. Board (93) .
    To remove the mecha. control P.W.B. with bracket, remove 2 screws ((121) LPSP2606Z).

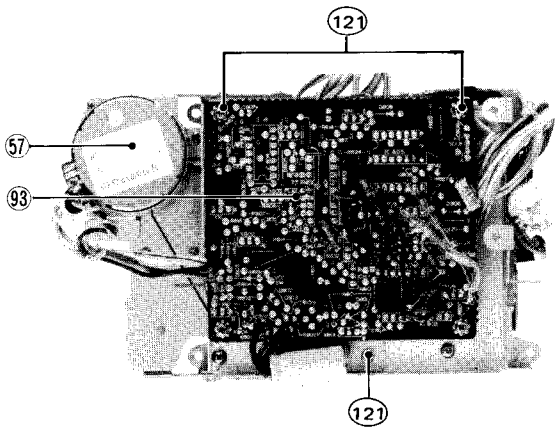


Fig. 35

11. Reel motor (65) .
    Remove 2 screws ((122) SBSB2608Z)
    Pull off the reel motor foward.
12. Flywheel holder ass'y (88) .
    Remove 3 screws ((122) SBSB2608Z)
13. Flywheel assembly (84) .
    1) Remove the take up belt and the capstan belt.
    2) Pull off the capstan shaft, caring the nylon washer for oil cutting.
14. Reel disk ass'y
    1) Remove the reel motor, flywheel ass'y and counter belt.
    2) Remove 3 screws ((122) SBSB2608Z).
15. Drive gear ass'y unit.
    1) Remove the flywheel ass'y.
    2) Remove 3 screws ((122) SBSB2608Z).

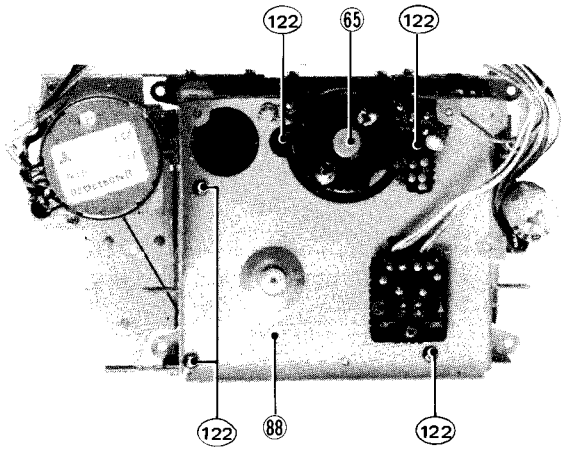


Fig. 36

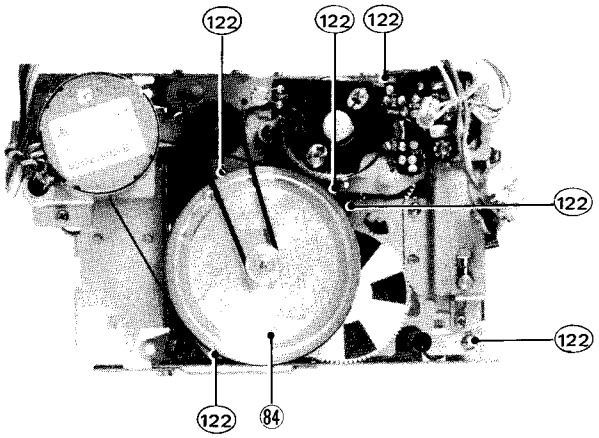


Fig. 37

Removal of the Cassette Door (PC-D5)

1. To open the cassette door, push the eject button.
2. Unlock 2 pawles (arrow marks in Fig. 38) by your fingers.
   To remove the holder, pull it to upper holding the cassette door by your hand.

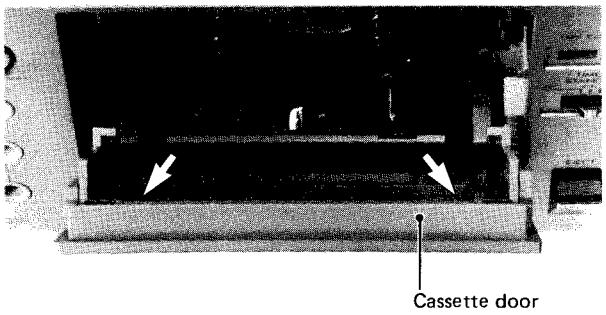


Fig. 38

3. Holding the cassette holder to the cassette door, remove the cassette door pushing both sides. (arrow marks in Fig. 39)
   (When reassembly the cassette door, should be performed in unorder of removal steps.)

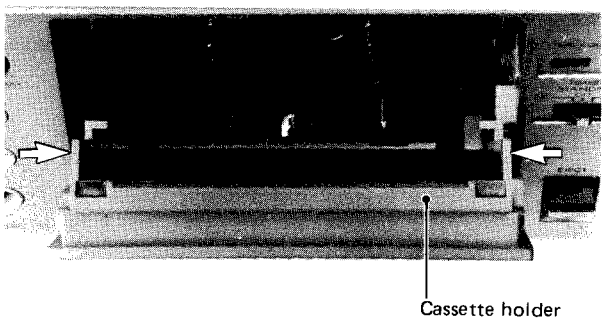


Fig. 39

How to Engage Dial Cord (PC-T5)

1. Turn the dial drum fully counterclockwise (to the lowest frequency).
2. Use Kevlar cord (1,330 mm long and 0.5 mm in diameter).
3. Install the string in the sequence of the numbers.

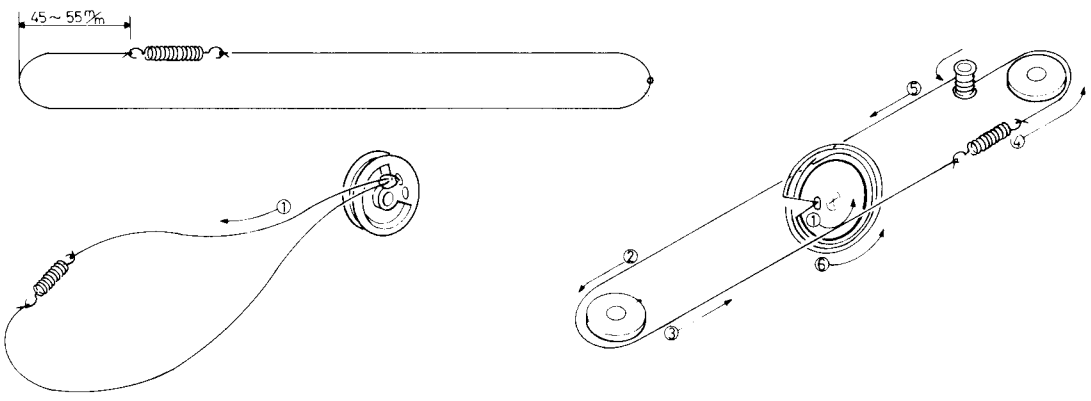


Fig. 40

Removal of the Speaker Parts (PC-B5)

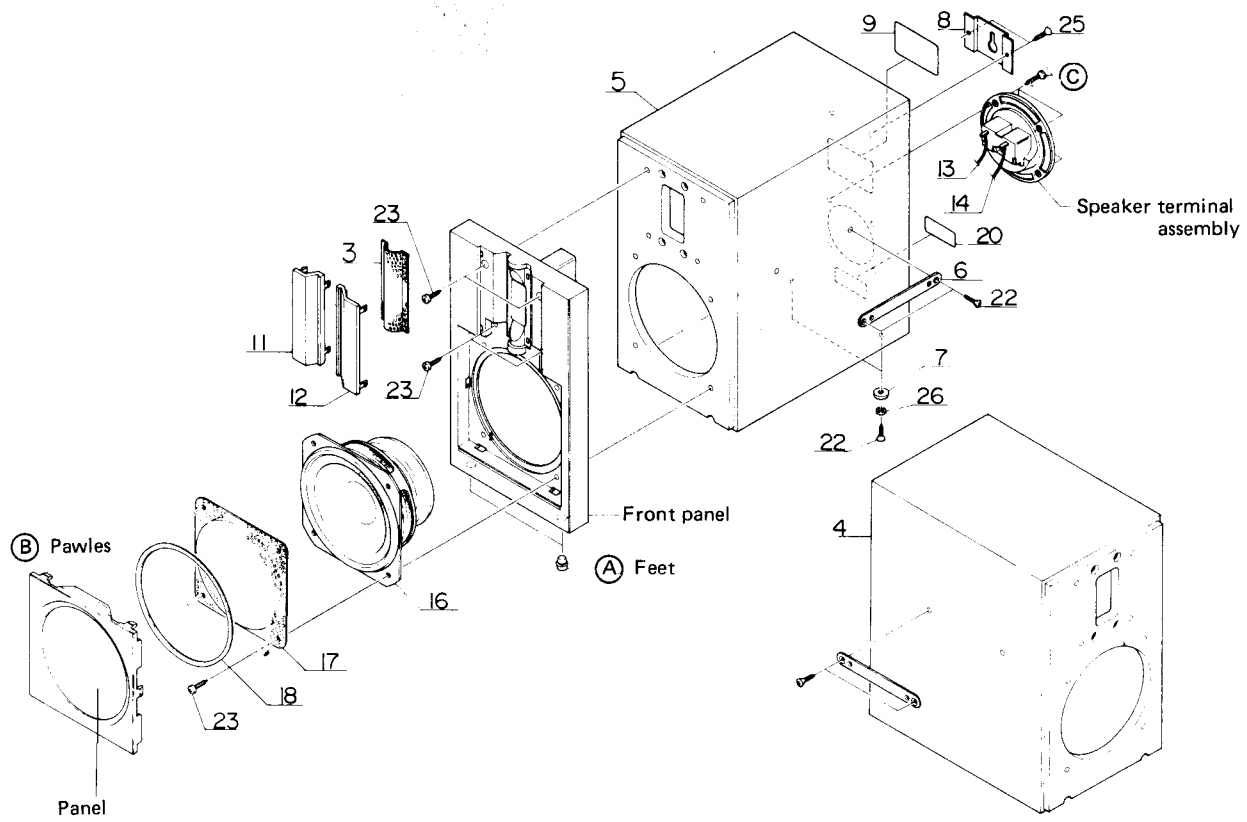


Fig. 41

1. Speaker
   1) Remove 2 feet Ⓐ fastening the front panel under. Remove 2 pawles Ⓑ holding the panel upper by - driver etc. using.
   2) To remove the speaker, remove 4 screws fastening it with the punching panel.
      Remove the receptacle wires.
2. Speaker terminals assembly
   Remove 4 screws Ⓒ fastening the speaker terminal assembly, and unsolder the wires.

Block Diagrams

Tuenr Circuit (PC-T5)

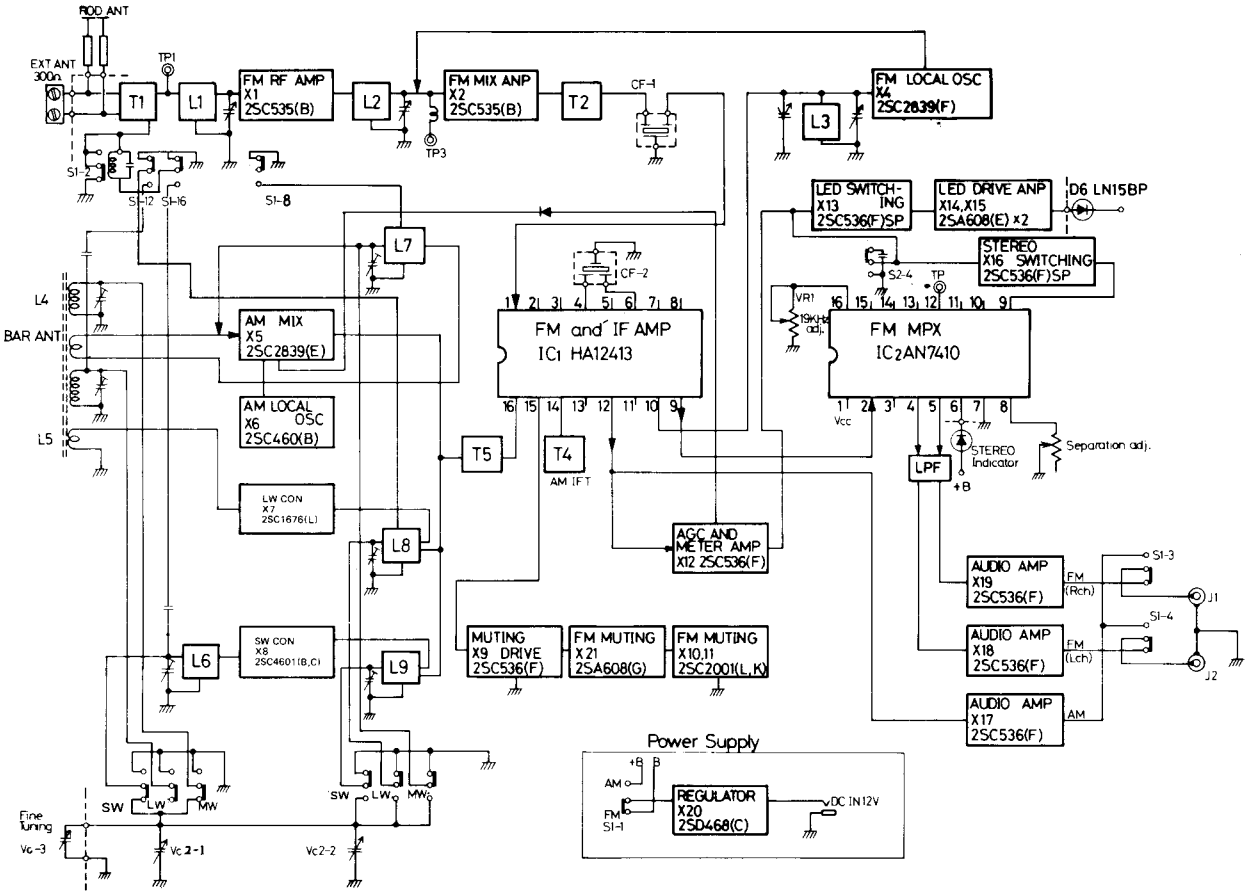


Fig. 42

Amplifier Circuit (PC-A5)

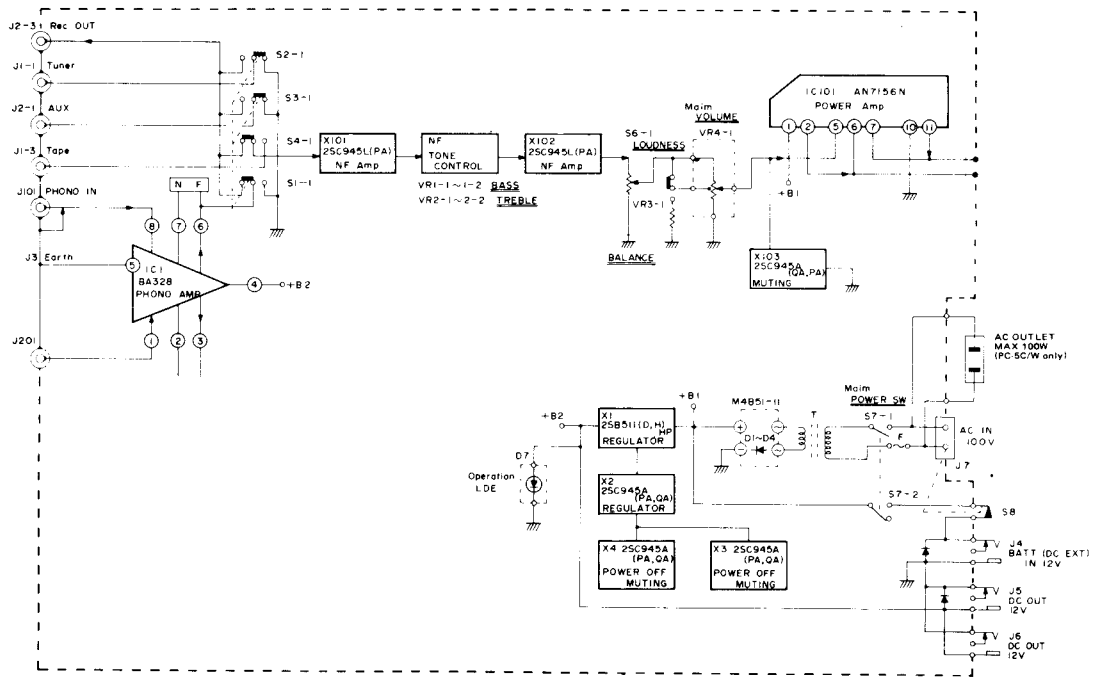


Fig. 43

Cassette Deck Circuit (PC-D5)

Recording System

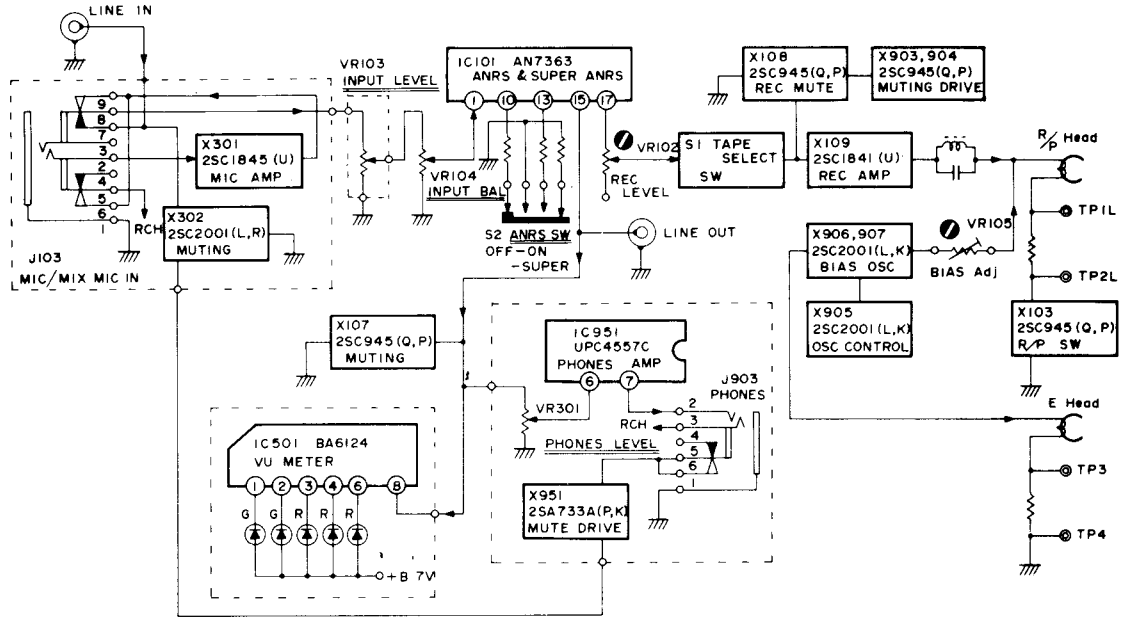


Fig. 44

Playback System

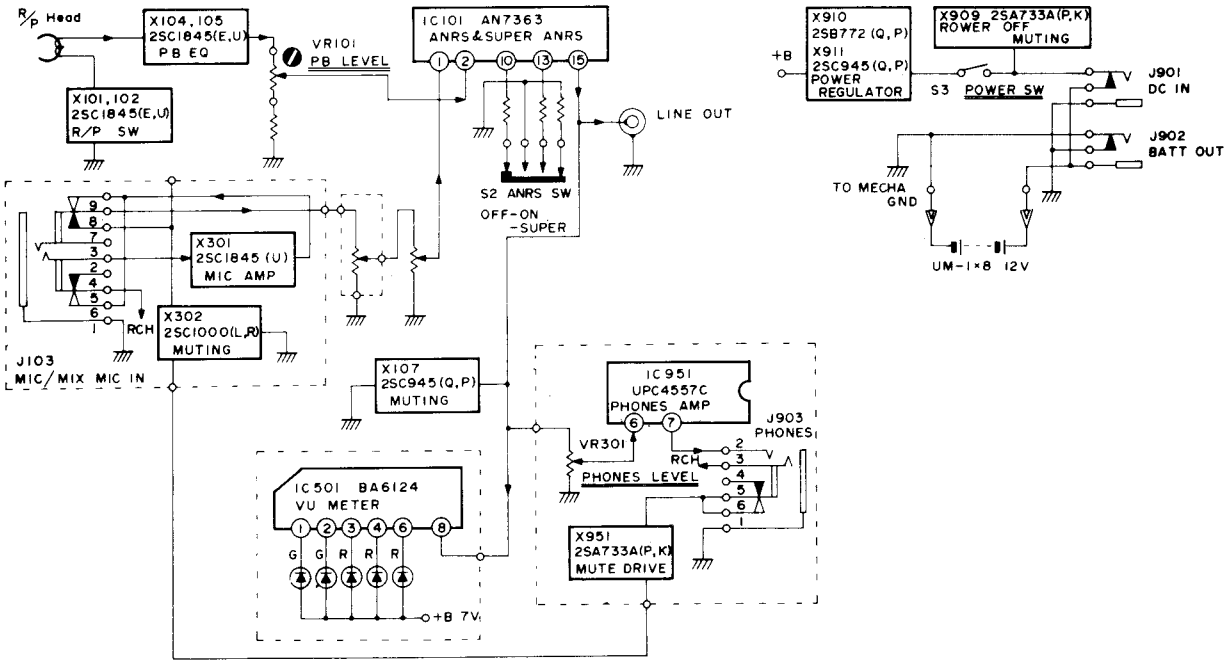


Fig. 45

Mecha. Control Circuit (PC-D5)

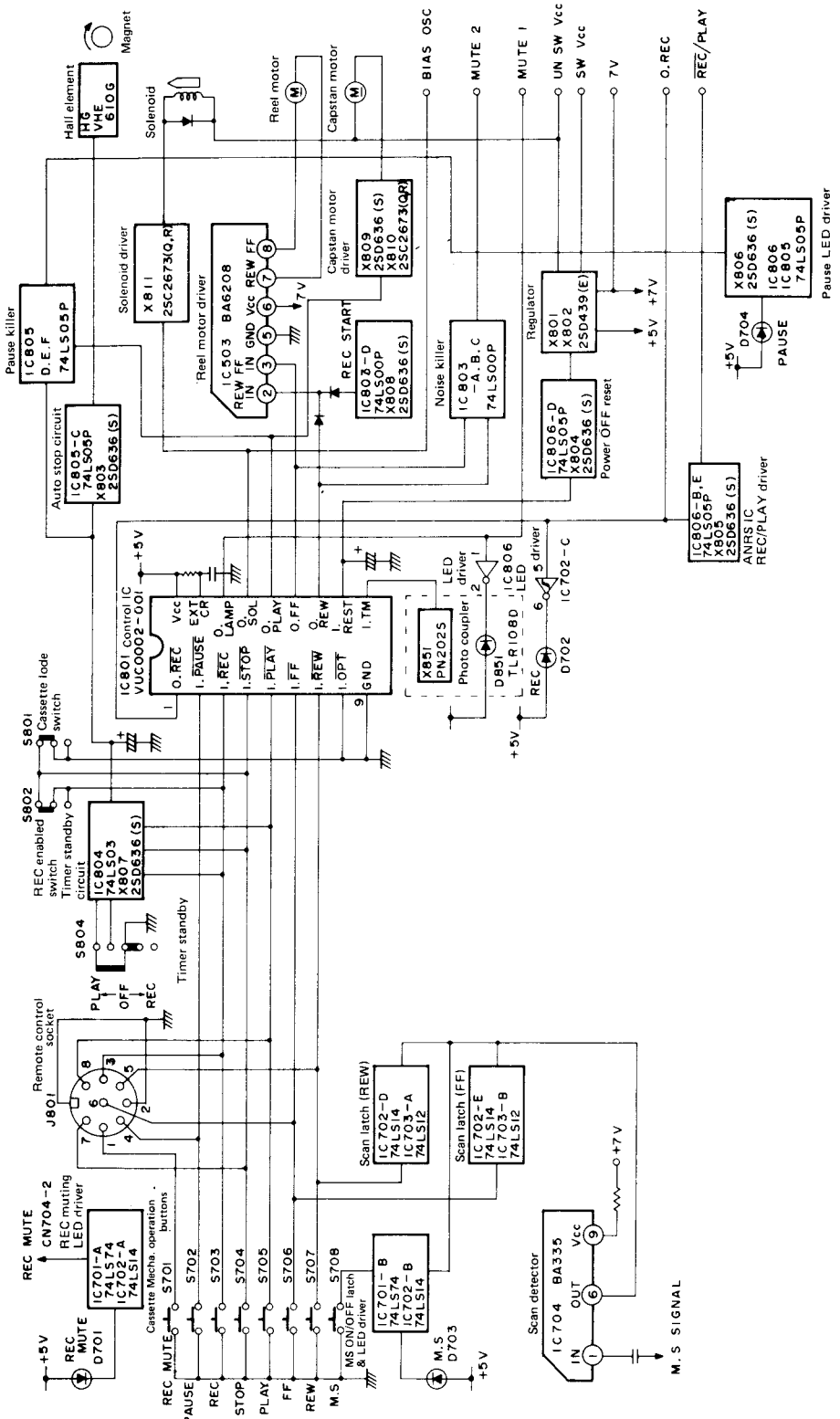
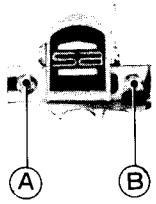
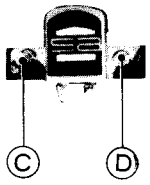
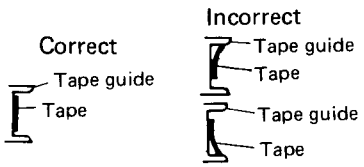


Fig. 46

Adjustments

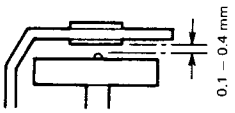
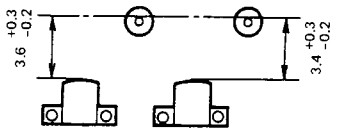
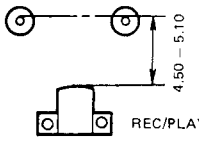
1. Adjustment Procedure of Cassette Mechanism

(Adjust the mechanism or confirm that it is in normal operating condition prior to the adjustment of the electrical circuit.)

Item	Adjustment	Adjusting point	Standard value	Remarks
Adjusting record/playback head position 	1. Connect an electronic voltmeter to the LINE OUT terminals. 2. Play back the VTT-658 test tape. 3. Adjust the head angle with the screw Ⓐ until the reading of the electronic voltmeter becomes maximum for both channels. 4. After adjusting, set the screw with screw bond.	Screw Ⓐ	Maximum	If the head is worn, disconnected or exceedingly magnetized so as not to provide the necessary characteristics, replace it with a new one. After replacement, the head position adjustment as well as the playback level adjustment, the bias current adjustment and the recording level adjustment are all necessary. If the output difference between the left and right channels exceeds 3 – 4 dB, the head is defective. Replace it with a new one.
Adjusting erase head height 	Employ a special cassette ' (C-120) from which parts of the casing, where the erase head, record/playback head and capstan engage, has been cut away. Perform tape transport with the cassette tape. Adjust the screw Ⓒ until the tape runs in the center of the erase head tape guide. 	Screw Ⓒ		Be sure to perform this adjustment after replacing the erase head.
Adjusting motor speed	Connect a speed meter (an electronic counter) to the LINE OUT terminals. Play back the VTT-656 test tape. Adjust the semi-fixed resistor in the motor until the reading of the speed meter is 3000 Hz.	Semi-fixed resistor in the motor	3000 Hz	If the speed meter functions as a wow and flutter meter, also, connect the deck to the INPUT terminals of the meter.
Checking playback torque	Employ a torque testing cassette tape for the checking.		40 – 70 gr-cm	If the standard torque is not obtained, replace the take-up disc assembly.
Checking fast forward torque	Measure the torque in the fast forward mode in the same manner as in the above.		More than 80 gr-cm	If the standard torque is not obtained, perform the following. 1. Clean the capstan belt, the idler circumference, the motor pulley, the take-up reel disc circumference, the flywheel circumference, etc. 2. Replace the belt and idler.
Checking rewind torque	Measure the torque in the rewind mode in the same manner as in the above.		More than 80 gr-cm	If the standard torque is not obtained, clean the capstan belt, idler, motor pulley, flywheel circumference, rewinding idler circumference, left reel disc circumference, etc.
Checking wow and flutter	Connect a wow and flutter meter to LINE OUT terminals. Play back the VTT-656 test tape. Check to see if the reading of the meter is within 0.04% (WRMS).			If the reading becomes moving value even if conforming to the standard, a re-claim may be raised. Repairs are necessary.

2. Specifications of Cassette Mechanism

Check the following items after cassette mechanism parts are replaced.

Item	Requirements	Test equipment	Test tape
1. Source voltage	Rated volate: 12 V DC Motor operating voltage range: 7 – 15 V DC	Regulated power supply	—
2. Tape speed	4.75 cm/sec +3% (3,000 Hz) -2% Deviation 2%	Frequency counter (digital counter)	VTT-656
3. Wow & flutter	Less than 0.17% (RMS)	Wow meter	VTT-656
4. Take-up torque	PLAY 40 – 70 g.cm FF 80 gr-cm or more REW 80 gr-cm or more	During FF and rewind, the idlers, reels and flywheel should not slip against each other when the reels are locked.	—
5. Current consumption (of motor alone)	PLAY 150 mA or less FF 300 mA or less REW 300 mA or less	DC ammeter	C-60 (Take-up torque should be normal when tape is used.)
6. Pinch roller pressure	300 ~ 450 g.	Tension gauge Pull the pinch roller perpendicularly and read the gauge when the pinch roller just stops. 	
7. Axial clearance of flywheel		Clearance gauge	—
8. Head position during PLAY and RECORD		During PLAY (RECORD) the dimensional requirements given here must be met, and the heads must not contact the cassette case.	Any cassette tape
9. Head position during cueing			—
10. Auto-stop operation	The facility should operate with a reduced voltage of 6.5 V at the end of tape during PLAY/REC, FF, and REW. During REC, a load the same as that of the amplifier is applied.		Any cassette tape

3. Adjustment location of cassette amplifier

Cassette amplifier p.w. board (parts ass'y view)

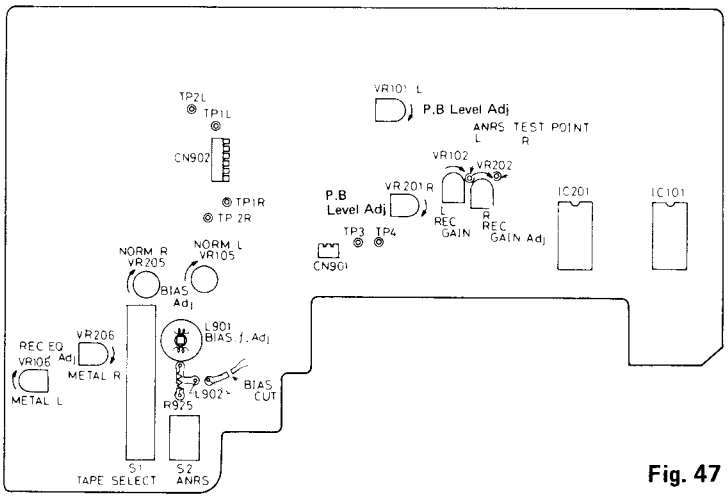


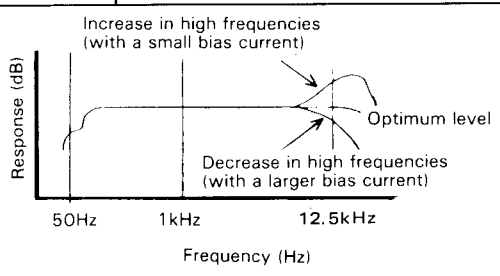
Fig. 47

4. Adjustment Procedure of Cassette Amplifier

In the steps marked by an asterisk (*), adjustment should be performed, however, only checking is sufficient with steps other than those.

Adjustment should be performed in the order of steps 1, 2, 3, . . . Perform this adjustment with the ANRS switch set to OFF.

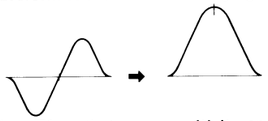
Step	Item	Adjustment	Adjusting point	Standard value	Remarks
1*	Adjusting playback level	1. Play back the VTT-664 Reference tape (1 kHz) with the tape select switch set to the SF/NORM position. 2. Adjust VR101 and VR201 until the LINE OUT becomes about −8 dBs.	VR101, 201	−8 dBs (0.3 V)	This adjustment becomes necessary when a change in playback level results (for example, due to head replacement).
2*	Playback frequency response	Playback test tape VTT-675N (1 kHz, 10 kHz). Check to see if the 10 kHz signal and 1 kHz signal gains become flat response.		Reference frequency; 1 kHz 0.5 ± 2 dB at 10 kHz	ANRS : OFF TAPE SELECT : SF/NORM
3*	Level indicator sensitivity	1. Set the cassette deck to its recording mode. 2. Apply a 1 kHz, approx. −10 dBs signal to the LINE IN terminals. 3. Adjust the recording level controls until the signal is available at −8 dBs at the LINE OUT terminals. 4. Check to see if the indicator conforms 0 VU.		0 VU	Perform the adjustment when the parts are replaced.
4	Adjusting recording level	1. Apply a 1 kHz, approx. −10 dB signal to the LINE IN terminals. Adjust the recording level controls until the signal is available at −8 dBs at the LINE OUT terminals. 2. After checking to see if the indicator become 0, record the signal applied to both left and right channels using normal tape. 3. Play back the recording part. Perform the recording signal adjustment with VR102 and VR202 so that the indicator become 0.	VR102 202	−8 dBs	The level difference between left and right channels for SF/NORM tape, chrome tape and metal tape should be less than 1 dB (1 VU). Perform the adjustment using a normal tape, level difference between recording and playback for SA/CrO_2 and metal tapes, should be less than 1.5 dB, and that between left and right channels should also be less than 2 dB.
5	Checking record/playback frequency response	Record 1 kHz, 50 Hz and 12.5 kHz signals at an input level of 0 VU to −20 dB. Play back the tape. Check to see that the 50 Hz and 12.5 kHz signal output deviations fall within the standard range, using the 1 kHz signal output as a reference.	For SF/NORM tape; VR105 205 For Metal tape; VR106, 206	Reference frequency; 1 kHz 0 ± 3 dB at 50 Hz 0 ± 3 dB at 12.5 kHz	This checking should be performed for normal, chrome and metal tapes and for both right and left channels. 1. Bias current adjustment for a cassette deck should generally be performed referring to the record/playback frequency response. This is because the frequency response of a cassette deck depends more greatly upon the bias current than does that of an open reel deck. 2. If the bias current is not properly adjusted, the record and playback characteristics become as shown left.



5. Tuner Alignment

BASIC CONDITIONS

POWER SOURCE OF THE RECEIVER	DC 12 V, AC240/220/110V, 50/60 Hz.
LOAD RESISTANCE OF THE RECEIVER	50 mW (0.4 V)/3.2 Ω.
MODULATION OF SSG	400 Hz. 30%

Item	Description
1. AW IF ALIGNMENT	
1-1 Conditions of the receiver.	
(1) Power source:	DC 12 V. (When the power is supplied directly to the tuner in the receiver, the voltage should be adjusted to the proper level which shall be required by the tuner.)
(2) Function switch position:	TUNER
(3) Band select switch:	MW
(4) Volume control:	Minimum gain position
(5) Tone control:	Center (Bass, Treble) position
(6) Variable capacitor:	Near the minimum capacity position where no signal come in.
1-2 Connection of Sweeper and the receiver	
(1) Tuner input:	Positive side to TP-6
(2) Tuner output:	Positive side to TP-11 Negative side to TP-15
1-3 Aligning position:	T4, T5
1-4 Alignment (Waveform):  Fig. 48	Adjust MW I.F.T. (above mentioned aligning position) so tht maximum and symmetrical wave form can be obtained. In this case, the wavehead should be appeared at the center marker (455 kHz) on the scope of Sweeper.
2. FM IF ALIGNMENT	
2-1 Conditions of the receiver	
(1) Power source:	Same as mentioned in item 1-1
(2) Function switch position:	TUNER
(3) Band select switch:	FM
(4) Volume control:	Minimum gain position
(5) Tone control:	Center (Bass, Treble) position
(6) Variable capacitor:	Near the minimum capacity position where no signal come in.
2-2 Connection of Sweeper and the receiver	
(1) Tuner input:	Positive side to TP-3.
(2) Tuner output:	Positive side to TP-16. Negative side to TP-15.
NOTE a) Attach a capacitor (30 pF) and a resistor (30 kΩ) in series to the positive side cable which shall be led from Sweeper input. b) Attach a capacitor (30 pF) and a resistor (100 kΩ) in series to the positive side cable which shall be led from Sweeper output.	
2-3 Aligning position:	a) IF Waveform: T1 b) Discriminate Waveform: T3 ("S" curve waveform)
2-4 Alignment (Waveform):	Adjust the discriminate coil (T3) so that "S" curve waveform may be changed to IF waveform as shown in following figure.  Fig. 49
b) Discriminate Waveform:	After above, adjust T1 so that max. sensitivity and symmetrical IF waveform can be obtained on the scope of Sweeper. Adjust the discriminate T3 again so that above symmetrical IF waveform may be changed to balanced "S" curve waveform.
3. MW RF ALIGNMENT	
3-1 Conditions of the receiver.	
(1) Power source:	Same as mentioned in item 1-1.
(2) Function switch position:	TUNER
(3) Volume control:	50 mW
(4) Tone control:	Center (Bass, Treble) position
(5) Variable capacitor:	Refer the following list shown in item 3-4.
3-2 Conditions of SSG.	
(1) Modulation:	Refer the basic condition
(2) Frequency:	Refer the following list shown in item 3-4.
(3) Output level of the attenuator in SSG:	Approx. 50mW
3-3 Power output measuring position:	Speaker terminals
3-4 Alignment:	

	Band Select Switch Position	Sort of Antenna to be attached to SSG	Frequency of SSG	Variable Capacitor Position	Aligning Position
1	LW	Loop Antenna	145 kHz	Max. capacity	L8
2			360 kHz	Min. capacity	TC-8
3			Adjust the above aligning position (L8 & TC-8) repeatedly so that the tuner can be received above frequency range (band width).		
4			160 kHz	to be received 160 kHz	L5
5			350 kHz	to be received 350 kHz	TC-5
6			Adjust the above aligning position (L5 & TC-5) repeatedly so that the tuner can be obtained the best sensitivity.		

	Band Select Switch Position	Sort of Antenna to be attached to SSG	Frequency of SSG	Variable Capacitor Position	Aligning Position
7	MW	Loop Antenna	520 kHz	Max. capacity	L7
8			1,650 kHz	Min. capacity	TC-7
9			Adjust the above aligning position (L7 & TC-7) repeatedly so that the tuner can be received above frequency range (band width)		
10			620 kHz	to be received 620 kHz	L4
11			1,400 kHz	to be received 1,400 kHz	TC-4
12			Adjust the above aligning position (L4 & TC-4) repeatedly so that the tuner can be obtained the best sensitivity.		
13	SW	Dummy Antenna	5.8 MHz	Max. capacity	L9
14			18.6 MHz	Min. capacity	TC-9
15			Adjust the above aligning position (L9 & TC-9) repeatedly so that the tuner can be received above frequency range (band width).		
16			6.0 MHz	to be received 6.0 MHz	L6
17			18 MHz	to be received 18 MHz	TC-6
18			Adjust the above aligning position (L6 & TC-6) repeatedly so that the tuner can be obtained the best sensitivity.		

Item	Description
4. FM RF ALIGNMENT	
4-1 Conditions of the receiver	
(1) Power source:	Same as mentioned in item 1-1.
(2) Function switch position:	TUNER
(3) Band select switch:	FM
(4) Volume control:	50 mW
(5) Tone control:	Center (Bass, Treble) position
(6) Variable Capacitor:	Refer the following list shown in item 4-3
4-2 Condition of FM SSG	
(1) Modulation:	Refer the basic condition
(2) Frequency:	Refer the following list shown in item 4-3.
(3) Output level of the attenuator in FM SSG:	The level shall be decided by the load resistance of the receiver mentioned in the basic conditions.
4-3 Alignment:	

	Band Select Switch Position	Sort of Antenna to be attached to SSG	Frequency of FM SSG	Variable Capacitor Position	Aligning Position
1	FM	Dummy Antenna	87.5 MHz	Max. capacity	L3
2			109.0 MHz	Min. capacity	TC-3
3			Adjust the above aligning position (L3 & TC-3) repeatedly so that the tuner can be received above frequency range (band width).		
4			90 MHz	to be received 90 MHz	L1, 2
5			106 MHz	to be received 106 MHz	TC-1, 2
6			Adjust the above aligning position (L1, 2 & TC-1, 2) repeatedly so that the tuner can be obtained the best sensitivity.		

FM MPX Alignment

A. 19 kHz Alignment (Regular Method)
1. Connect a frequency counter to the test point TP17 (earth = TP15).
2. Supply the monaural signal (98 MHz, 60 dB) across the test points TP1 and TP2.
3. Adjust the variable resistor VR1 so that the frequency becomes 19 kHz ± 100 Hz.

B. 19 kHz Alignment (Simplified Method)
1. Tune to an FM stereo broadcast.
2. Set the variable resistor VR2 to the minimum position of the range in where the Lch and Rch selecting.

Parts Arrangement for Alignment

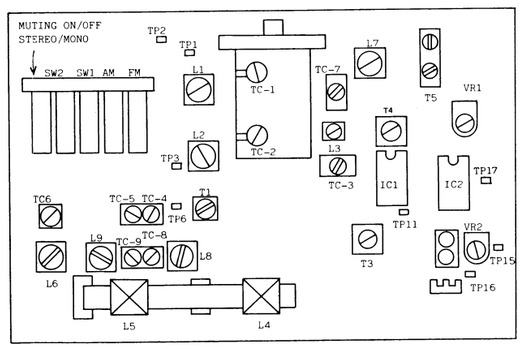
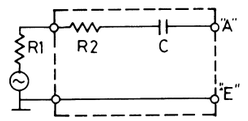


Fig. 50

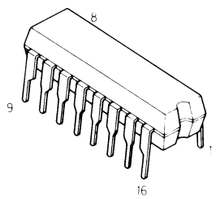
Dummy Antenna



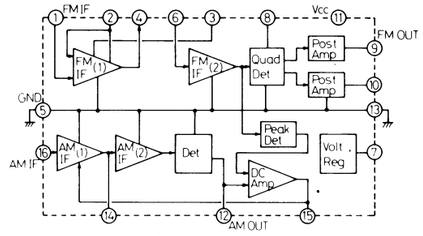
R1 + R2 = 80 Ω
C = 10 pF
R1: Output impedance of S.S.G.

Integrant Circuits

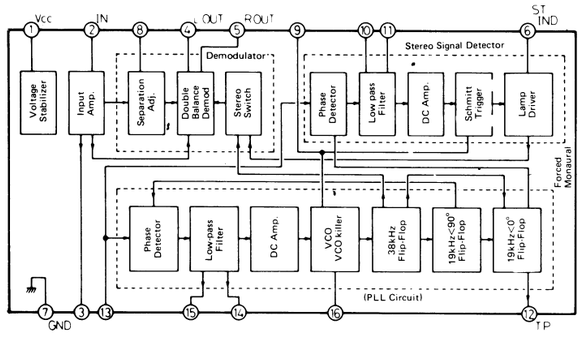
HA12413
AN7410

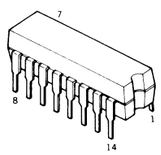


HA12413



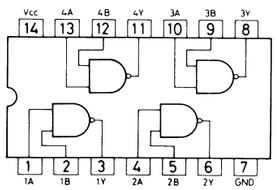
AN7410



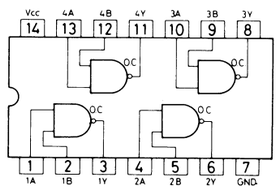


M74LS00P
M74LS05P
M74LS12P
M74LS03
M74LS14P
M74LS74P

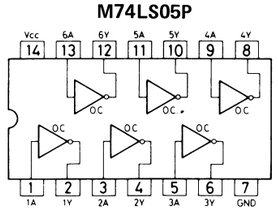
M74LS00P



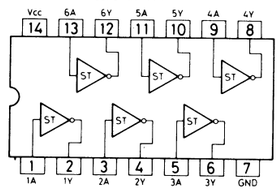
M74LS03



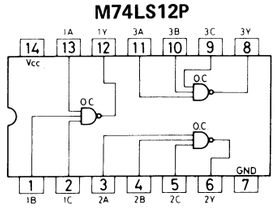
M74LS05P



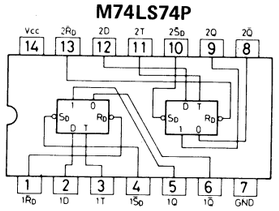
M74LS14P



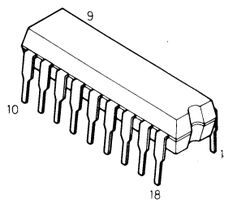
M74LS12P



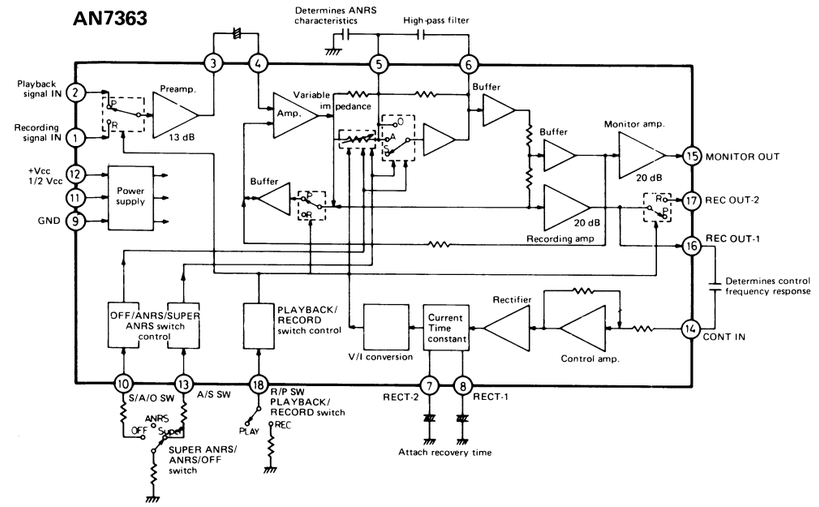
M74LS74P



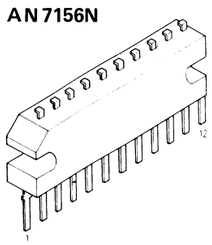
AN7363



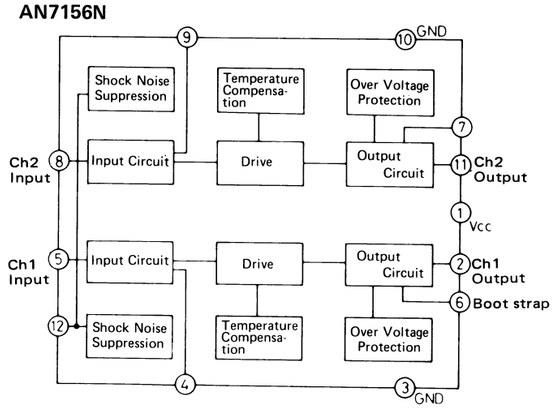
AN7363



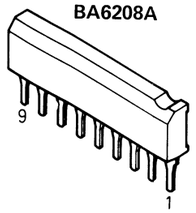
AN7156N



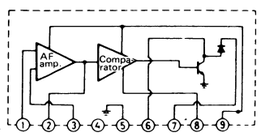
AN7156N



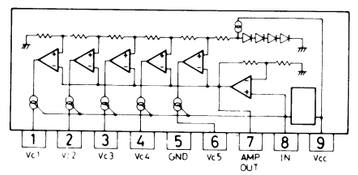
BA335
BA6124
BA6208A



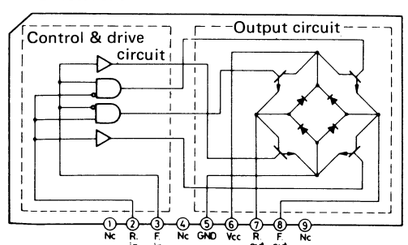
BA335



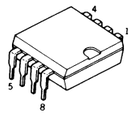
BA6124



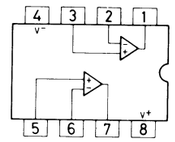
BA6208A



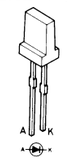
μpc4557



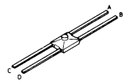
μpc4557



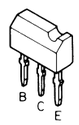
LN217RP



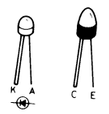
VHE-610G



2SA786
2SC2673



PN202S
TLR108D



SLP146B
SLP246B

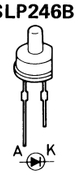
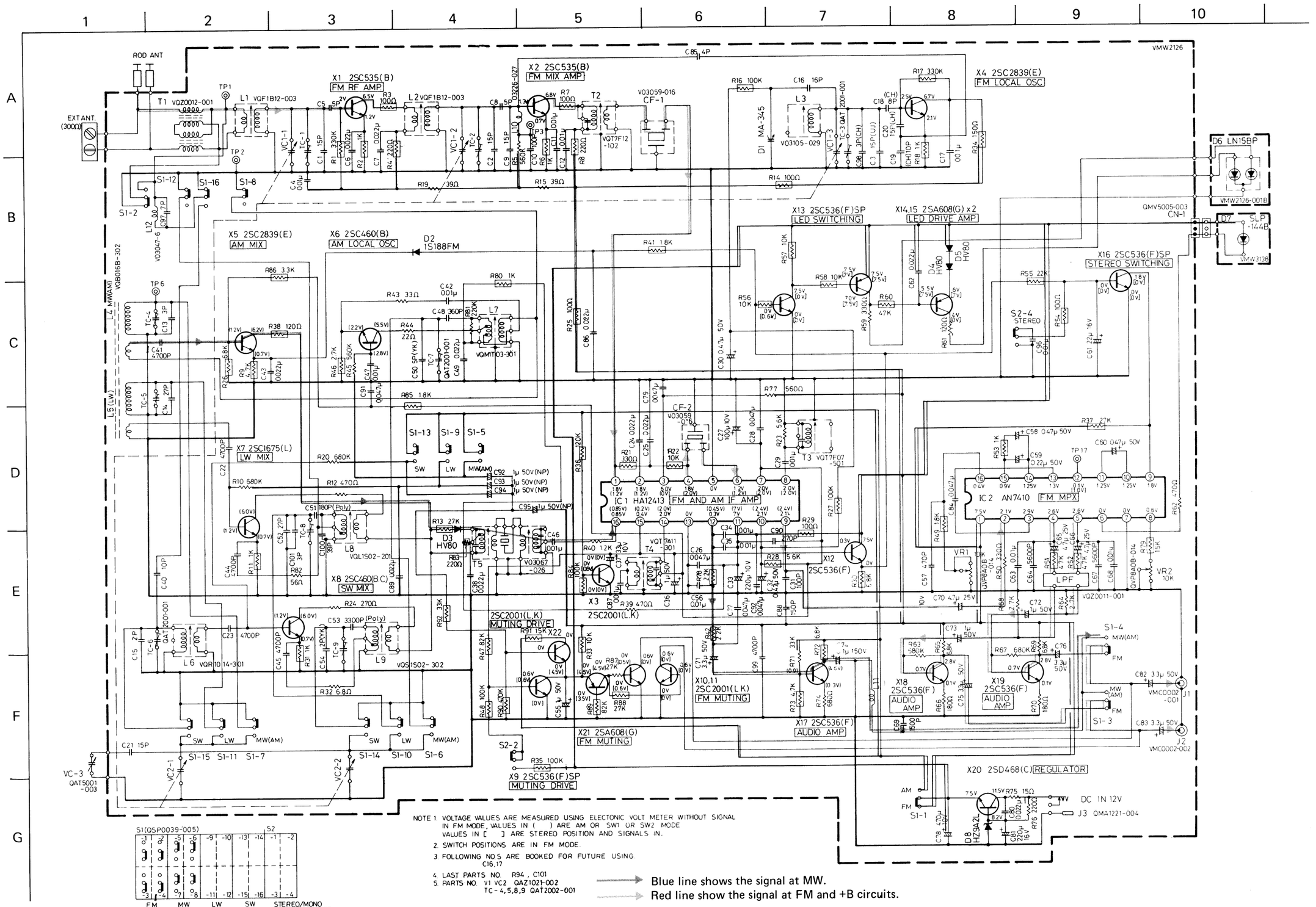


Fig. 51

Standard Schematic Diagram of PC-T5 (Tuner circuit)



NOTE 1. VOLTAGE VALUES ARE MEASURED USING ELECTONIC VOLT METER WITHOUT SIGNAL IN FM MODE, VALUES IN ( ) ARE AM OR SW1 OR SW2 MODE VALUES IN [ ] ARE STEREO POSITION AND SIGNALS IN.

2. SWITCH POSITIONS ARE IN FM MODE.

3. FOLLOWING NO.S ARE BOOKED FOR FUTURE USING. C16,17

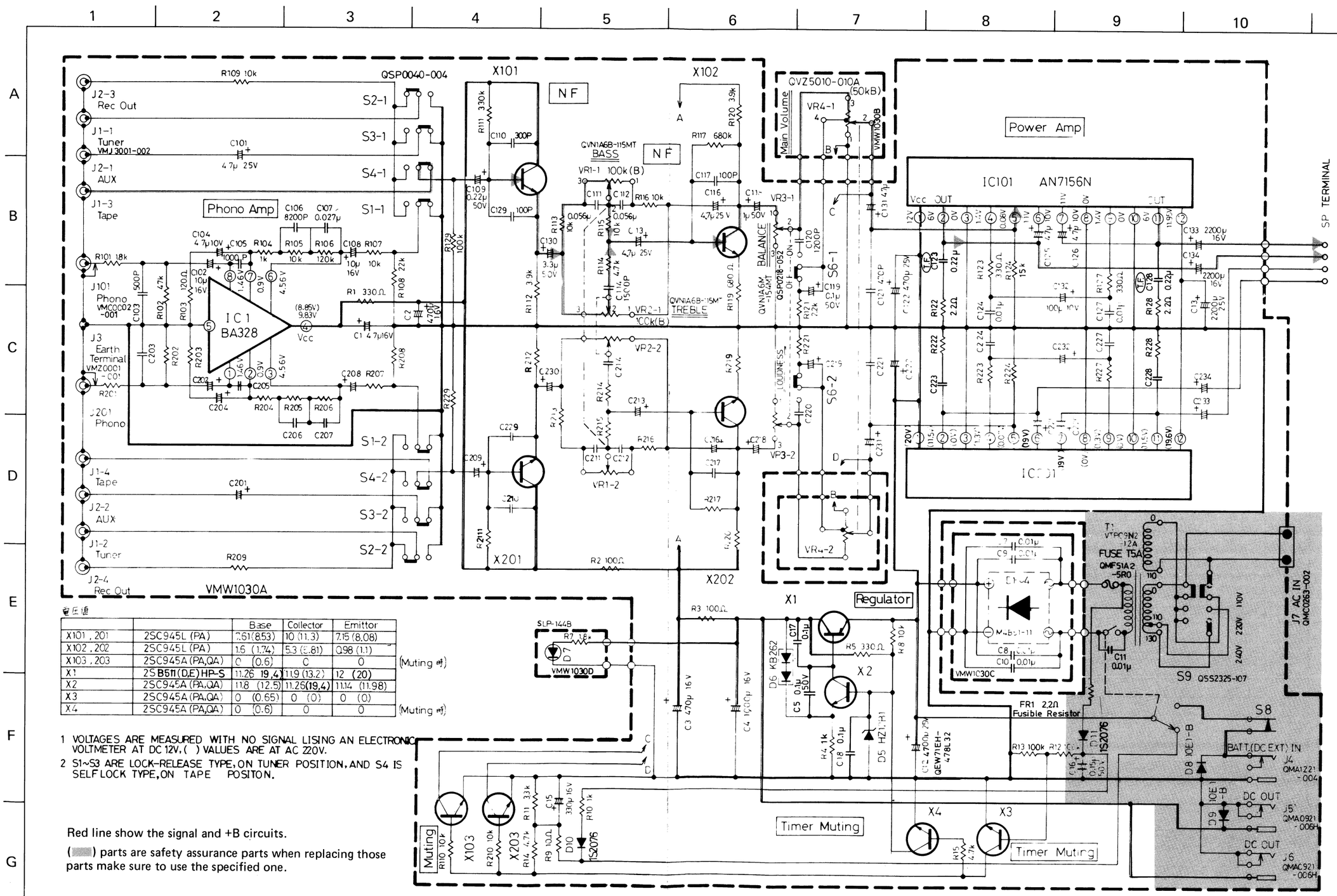
4. LAST PARTS NO. R94 , C101

5. PARTS NO. V1 VC2 QAZ1021-002
TC-4,5,8,9 QAT2002-001

Blue line shows the signal at MW.

Red line show the signal at FM and +B circuits.

Standard Schematic Diagram of PC-A5 (Amplifier circuit)



		Base	Collector	Emittor
X101, 201	2SC945L (PA)	7.61(8.53)	10 (11.3)	7.15 (8.08)
X102, 202	2SC945L (PA)	1.5 (1.74)	5.3 (5.81)	0.98 (1.1)
X103, 203	2SC945A (PA,QA)	0 (0.6)	0	0
X1	2SB511(D,E)HP-S	11.26 19.4	11.9 (13.2)	12 (20)
X2	2SC945A (PA,QA)	11.8 (12.5)	11.26(19.4)	11.14 (11.98)
X3	2SC945A (PA,QA)	0 (0.65)	0 (0)	0 (0)
X4	2SC945A (PA,QA)	0 (0.6)	0	0

(Muting ON)

(Muting OFF)

1 VOLTAGES ARE MEASURED WITH NO SIGNAL LISING AN ELECTRONIC VOLTMETER AT DC 12V. ( ) VALUES ARE AT AC 220V.

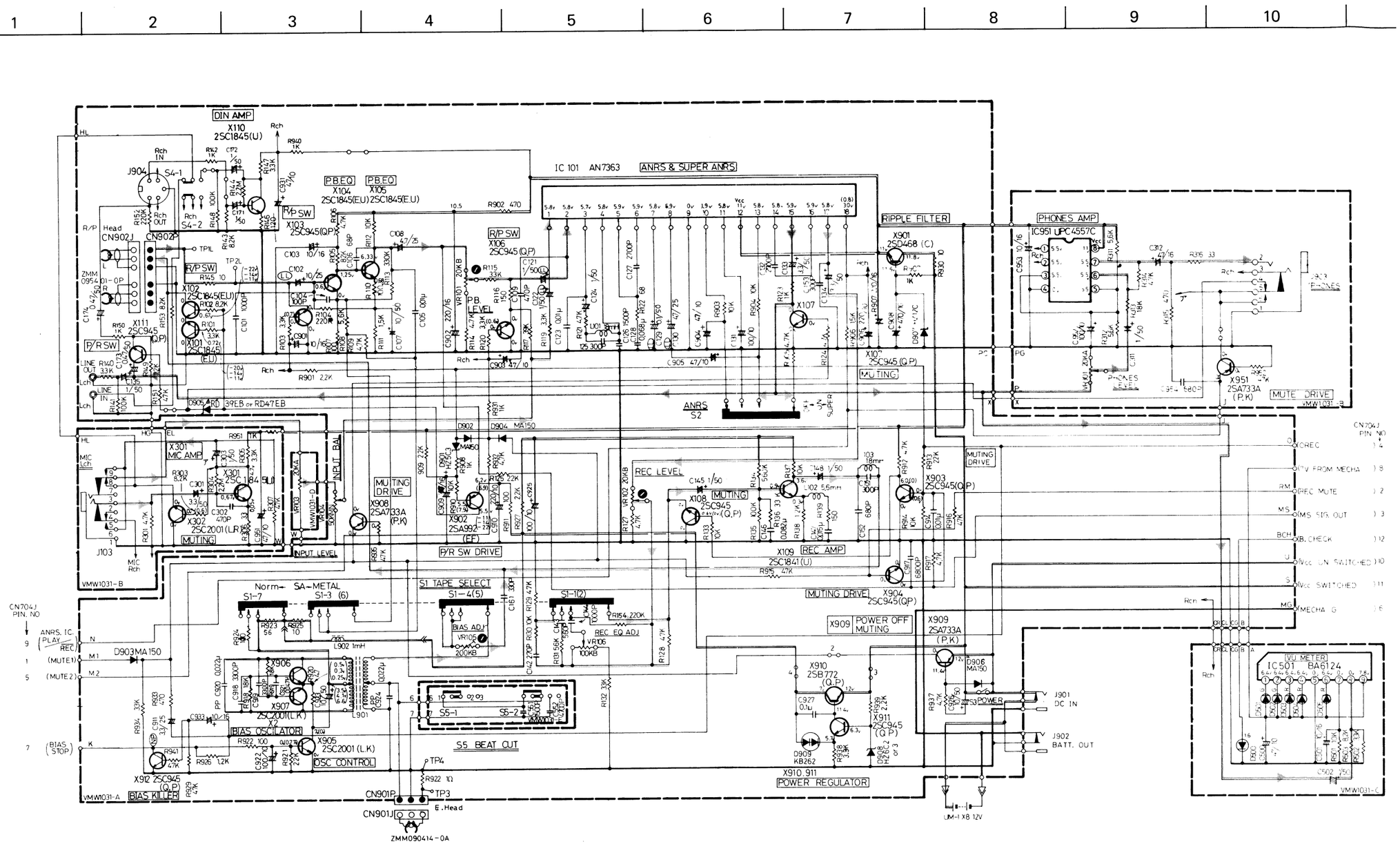
2 S1~S3 ARE LOCK-RELEASE TYPE, ON TUNER POSITION, AND S4 IS SELF LOCK TYPE, ON TAPE POSITON.

Red line show the signal and +B circuits.

( ) parts are safety assurance parts when replacing those parts make sure to use the specified one.

Fig. 53

Standard Schematic Diagram of PC-D5 (Cassette amplifier circuit)



1. LAST NO. IC. 101, 201, 501, 601, 951
   X. 111, 211, 302, 402, 912, 951
   D. 909, 505, 605
   R. 153, 253, 316, 416, 503, 603, 941, 952
   C. 174, 274, 312, 412, 502, 602, 933, 954
   L. 103, 203, 902
2. VOLTAGES ARE MESURED BY V.T.V.M
   ( )----REC MODE
   ( )----METAL
   ( )----SA
   ( )----NORMAL
   } POSITION

→ Blue line shows the signal at playback.
→ Red line show the signal at recording and +B circuits.

Fig. 54

Standard Schematic Diagram of PC-D5 (Mechanical control circuit)

IC701-A	REC MUTE SW
IC702-A	REC MUTE LED DRIVE
IC701-B	MS. ON/OFF LATCH
IC702-B	WAVEFORM SHAPING
IC702-C	REC LED DRIVE
IC702-F	RESET FOR M.S. RESTART

J801 REMOTE

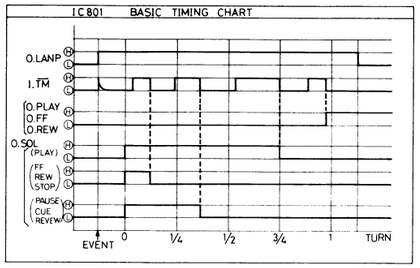
CN703J

IC801		MECHA CONTROL					
PIN NO.	NAME	MODE					
		PAUSE	REC	STOP	PLAY	FF	REW
1	O REC	L	H	L	L	L	L
2	I PAUSE	NORMALLY "H" LEVEL WITH SCAN SWITCH ON, "X" SECTIONS KEEP "L" LEVEL					
3	I REC						
4	I STOP						
5	I PLAY						
6	I FF					X	
7	I REW						X
8	I OPTION	CONNECTED TO GND					
10	I TM	NORMALLY "H" LEVEL					
11	I RESET						
12	O REW	L	L	L	L	L	H
13	O FF	L	L	L	L	L	L
14	O PLAY	L	L	L	H	L	L
15	O SOL	NORMALLY "L" LEVEL					
16	O LAMP	WHEN MODE CHANGED MOMENTARILY "H" LEVEL					
17	EXT CR	0.02	0.02	0.02	0.02	0.02	0.02
18	Vcc +	CONNECTED TO 5V Vcc+ LINE					

IC802		REEL MOTOR DRIVER		
PIN NO.	NAME	MODE		
		FF/CUE	REW/REV	OTHER
2	I REW	L	H	L
3	I FF	H	L	L
6	Vcc	CONNECTED TO 7V LINE		
7	O REW	7V	0V	0V
8	O FF	0V	7V	0V

IC803 - A	AUTO STOP DRIVER
- B	TIMER REC DRIVER
- C	TIMER PLAY DRIVER
- D	POWER OFF STOP DRIVER
IC804-A,B,C	M2 SIGNAL GENERATOR
- D	REC START NOISE KILLER
IC805 - A,B	PAUSE SIGNAL GENERATOR
- C	AUTO STOP SIGNAL GENERATOR
- D,E,F	AUTO STOP KILLER
IC806 - A	TIMING LED DRIVER
- B,E	ANRS IC R/P DRIVER
- C	BIAS OSC KILLER
- D	POWER OFF RESET
- F	AUTO STOP KILLER

IC 801 BASIC TIMING CHART



S802 REC ENABLE
S801 CASSET.LODE
VMW2160-B

CN703P

CN701J

REC MUTE S701
PAUSE S702
REC S703
STOP S704
PLAY S705
FF S706
REW S707
M.S. S708

CN701P

CN702J

PAUSE D704
REC D702
REC MUTE D701
M.S. D703

CN702P

VMW3127

IC701-A IC702-A IC702-B IC701-B IC702-C

R701 12K
R702 12K
R703 470
R704 220
R705 220
R706 100
R707 100
C701 0.022μ
C702 33/50
C703 0.022μ
C704 47/10
C705 0.022μ
C706 0.022μ
C707 0.022μ
C708 0.022μ
D705 1S2076
D706 1S2076
D707 1S2076
D708 1S2076
D709 1S2076
D712 1S2076
D713 1S2076
C709 10/16V
C710 47/10
R708 680
R709 10K
R710 390
R711 390
R712 10K

LS14 IC702-D IC703-A IC702-E IC703-B IC703-C IC702-F

C711 2200P
C712 0.022μ
C713 0.022μ
C714 33/50
C715 47/10
C716 47/10
R713 270K
R714 1K
R715 10K
R716 100K
R717 270K
R718 270K
R719 100K
R720 10K
R721 100K
R722 100
R723 2.2K

IC704 BA335

X701 2SD636 (S)

IC 801 VUC0002-001

D810 1S2076

IC805 LS05 IC803 LS00 IC806 LS05

D811 1S2076
D812 1S2076
D807 1S2076

X811 2SC2673 (Q,R)
X809 2SC2673 (Q,R)
X810 2SC2673 (Q,R)
X808 2SD636 (S)
X802 2SD439 (E)
X801 2SD439 (E)
X804 2SD636 (S)
X807 2SD636 (S)
X803 2SD636 (S)
X806 2SD636 (S)
X805 2SD636 (S)

IC802 BA6208A

D809 10E1
D808 10E1
D803 10E1
D802 HZ6B
D804 HZ6B
D801 HZ6B
D813 1S2076

L852 L853 L854

VMW2160-A
VMW2160-F
VMW2160-G
VMW2160-H
VMW2160-C
VMW2160-D

IC701···74LS74P
IC702···74LS14P
IC703···74LS12P
IC803···74LS00P
IC804···74LS03
IC805···74LS05P
IC806···74LS05P

(MUTE 1) (REC MUTE) (M.S. SIG IN) (O REC) (MUTE 2) (MECHA G) (BIAS STOP) 7V OUT (PLAY) (REC) ANRS IC (REC) (Vcc UN SW) (Vcc SW) (B.CHECK)

CN704P

P R TIMER G E H K A C E HGE HGS HG B

S804 PLAY OFF REC

S803 H.B ADVANCE

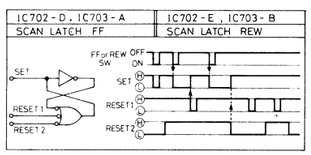
D851 TLR108 X851 PN2025

H.G VHE610G

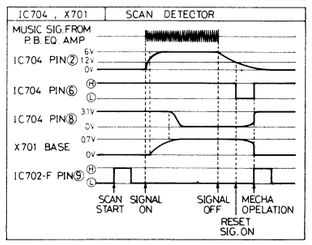
X801	7V REGULATOR
X802	5V REGULATOR
X803	AUTO STOP AMP
X804	POWER OFF DETECTOR
X805	HEAD BASE ADVANCE DETECTOR
X806	PAUSE LED DRIVER
X807	TIMER STANDBY DRIVER
X808	REC START NOISE KILLER
X809	CAPSTAN MOTOR DRIVER
X810	〃
X811	SOLENOID DRIVER
X851	TIMING DETECTOR

IC702-D, IC703-A — SCAN LATCH FF

IC702-E, IC703-B — SCAN LATCH REW

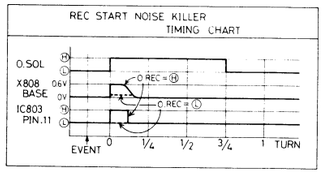


IC704, X701 — SCAN DETECTOR



1. LAST NO. IC 704, 806
X 701, 811
D 713, 813
R 722, 835
C 717, 818
2. VOLTAGES ARE MESURED BY VTVM.
CASSETTE LODE SW ON AND MS. SW, OFF.
Ⓗ MEANS 2.8V OR ABOVE.
Ⓛ MEANS 0.8V OR BELOW.
Ⓗ-Ⓛ MEANS HI-IMPEDANCE
3. Vcc OF IC701 702 703 803 804 805 806 ARE PIN14, AND GND ARE PIN7.
4. ◇, ◇, ▷, MEANS OPEN COLLECTOR.

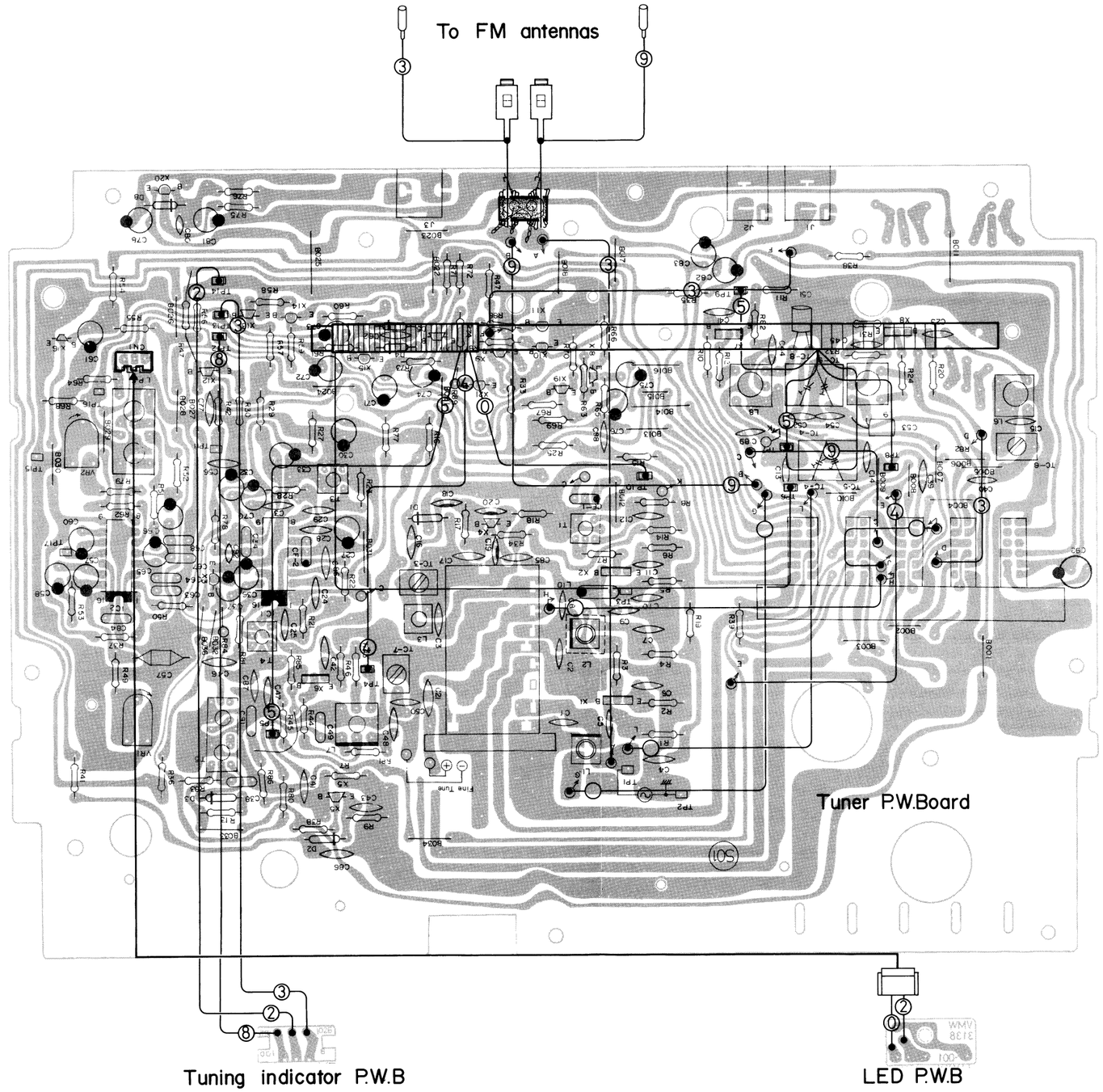
REC START NOISE KILLER TIMING CHART



——— Red line show +B circuits.

Fig. 55

Wiring Connection of PC-T5 (Tuner circuit)

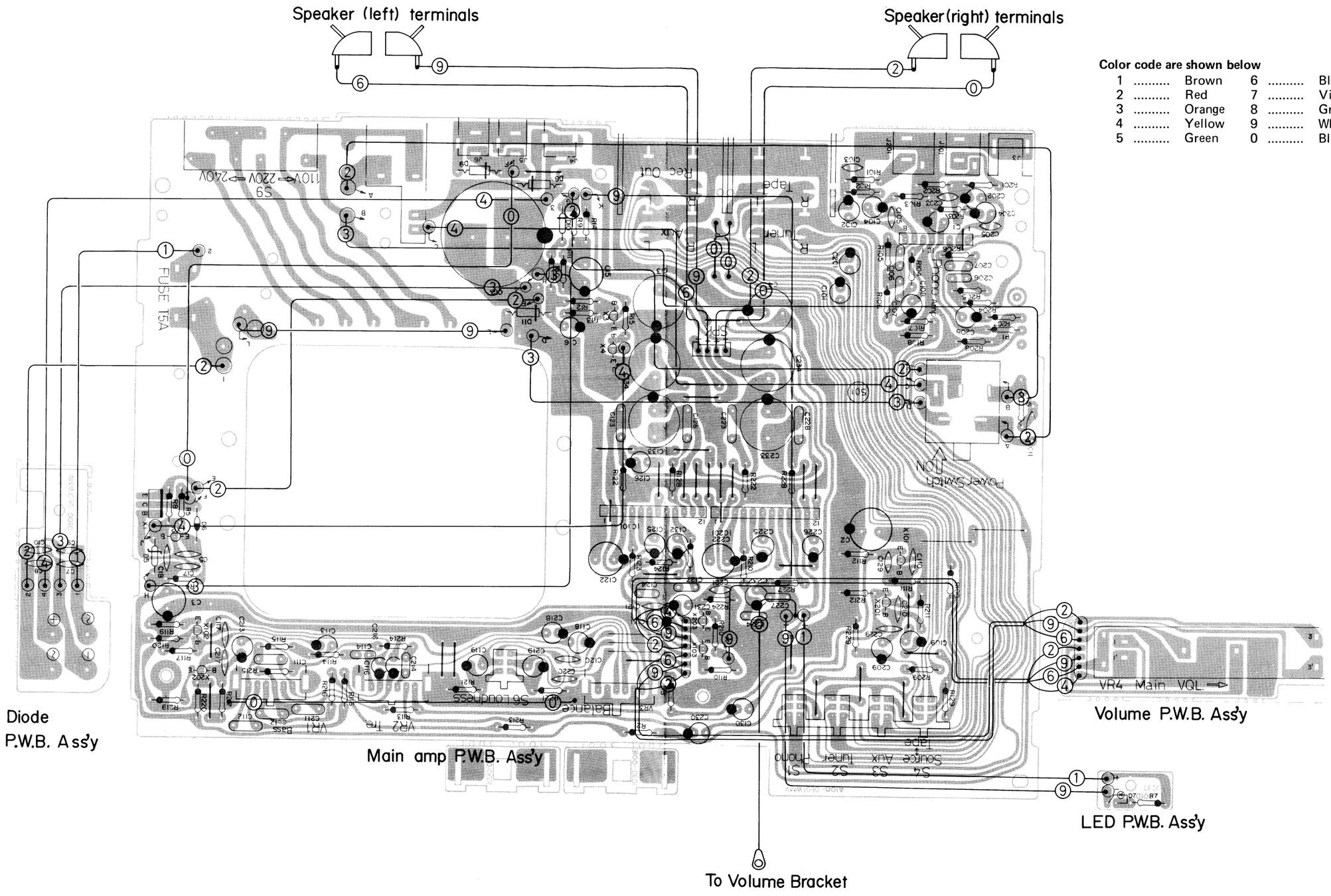


Color code are shown below

1	Brown
2	Red
3	Orange
4	Yellow
5	Green
6	Blue
7	Violet
8	Grey
9	White
0	Black

Fig. 56

Wiring Connection of PC-A5 (Amplifier circuit)



Color code are shown below

1	.....	Brown	6	.....	Blue
2	.....	Red	7	.....	Violet
3	.....	Orange	8	.....	Grey
4	.....	Yellow	9	.....	White
5	.....	Green	0	.....	Black

Wiring Connection of PC-D5 (Cassette amplifier circuit)

Color code are shown below

1	.....	Brown	6	.....	Blue
2	.....	Red	7	.....	Violet
3	.....	Orange	8	.....	Grey
4	.....	Yellow	9	.....	White
5	.....	Green	0	.....	Black

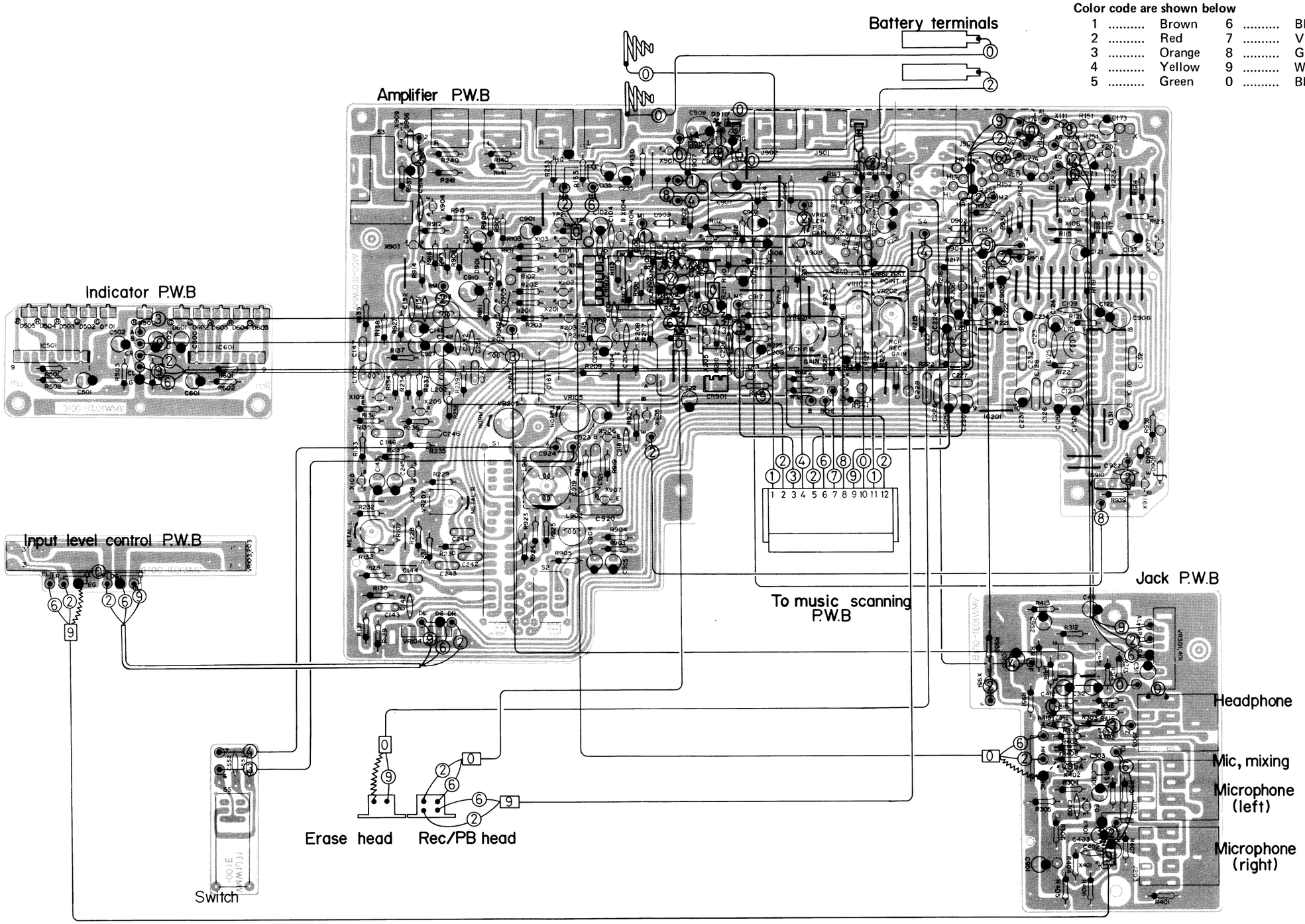
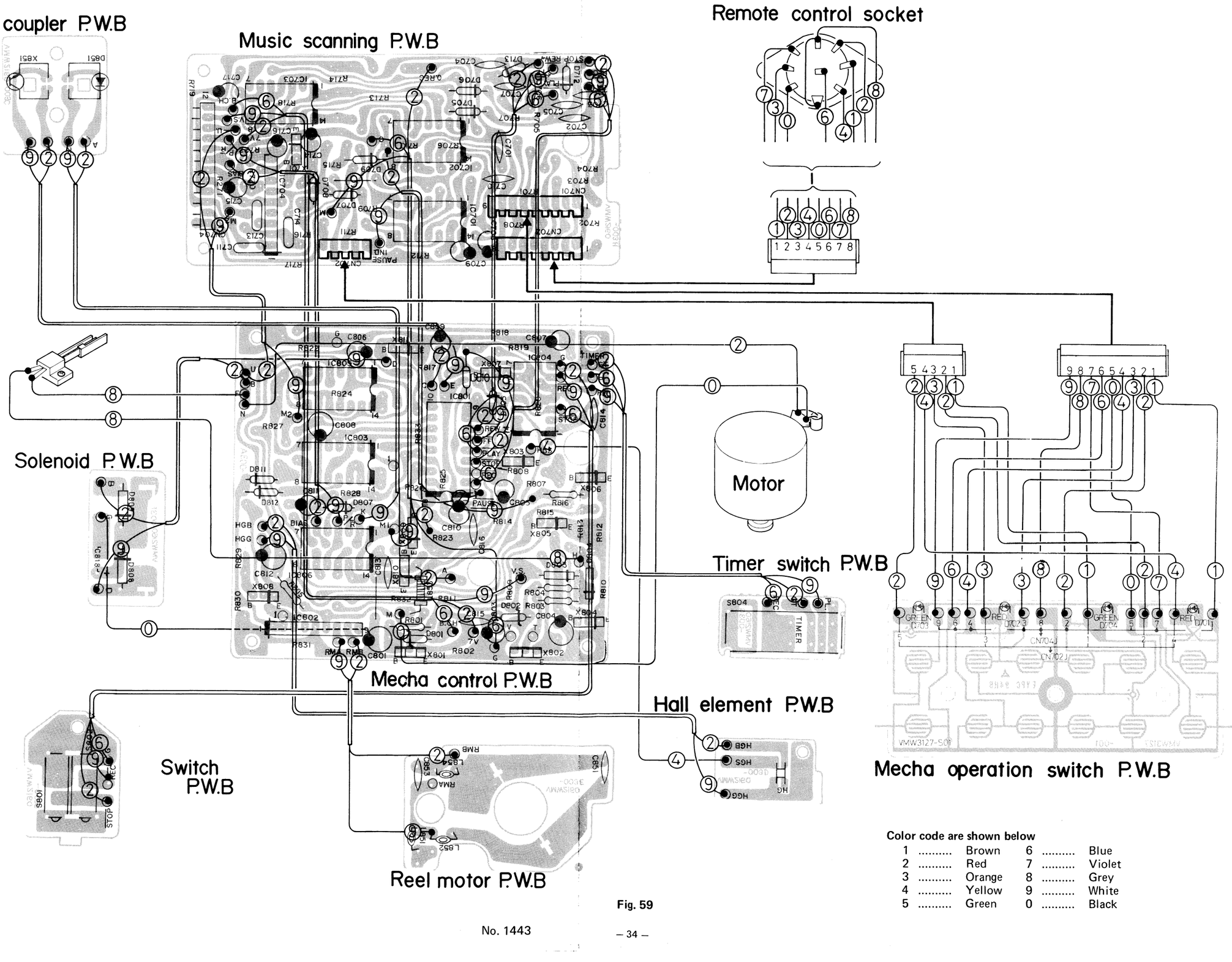


Fig. 58

Wiring Connection of PC-D5 (Mecha. control circuit)



Color code are shown below

1	.....	Brown	6	.....	Blue
2	.....	Red	7	.....	Violet
3	.....	Orange	8	.....	Grey
4	.....	Yellow	9	.....	White
5	.....	Green	0	.....	Black

Fig. 59

Stereo Tuner Unit (PC-T5)

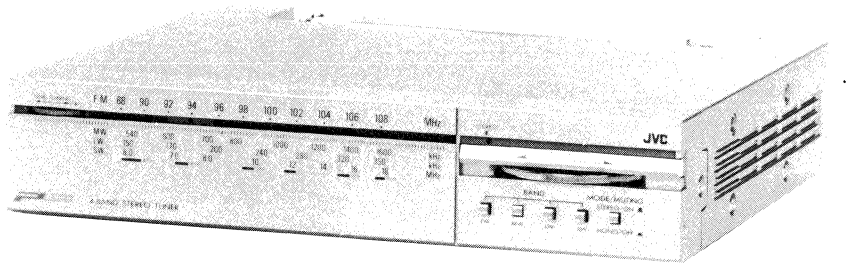


Fig. 60

Enclosure Assembly and Electrical Parts List of PC-T5

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
1	VJC2033-004	Front Cover		1
2	VJD4453-001	Plate		1
3	VJD4487-001	Lens		1
4	VJD4450-001	LED Plate		1
5	SLP-144B	LED	D7	1
6	VMW3138-001	LED P.W. Board		1
7	V41405-002	Rubber Ring		1
8	VJD4451-001	Tuning Escutcheon		1
9	VYH2126-002	Chassis		1
10	VYH4744-001	Special Washer		1
11	VYH4609-00A	Roller Bracket Ass'y		1
12	VXL4134-00B	Tuning Knob Ass'y		1
13	VJD4448-001	Plate		1
14	VKF4107-00A	Flywheel Ass'y		1
15	VKB4101-002	Belt		1
16	VYH4607-00A	Bushing Ass'y		2
17	VYH4683-00A	Roller Bracket Ass'y		1
18	—	Tuner Board Ass'y		1
19	VYH3181-001	Bar Ant. Holder		1
20	VQB016B-302	Bar Ant.		1
21	VMC0002-001	Pin Jack		1
22	" -002	"		1
23	QMA1221-004	DC Jack		1
24	VJD3245-001	Jack Board		1
25	V44814-00B	EXT. Ant. Terminal		2
26	VYH4606-001	Drum		1
27	VKW3002-079	Tension Spring		1
28	VHR2TK9-05AT	Dial Rope	Kevlar	1
29	VXL4144-001	Knob		1
30	VJN4055-00A	Needle Ass'y		1
31	VYH4613-001	Rod		5
32	VXP4096-001	Push Button		5
33	VXL2127-001	Bottom Cover		1
34	VJF4007-002	Foot		4
35	VYSP1R5-006	Spacer		2

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
36	VYSR106-001	Spacer		2
37	V44691-001	Wire Clamp		1
38	VJC1143-001	Cover		1
39	VJA3003-00A	Rod Ant. Ass'y		2
40	VJD4452-001	Ant. Catcher		2
41	VYH4686-001	Bracket		1
42	VYH4614-001	"		1
43	VHY4594-001	Holder		2
44	VKZ4001-007	Wire Holder		1
45	VYNA409-004	Name Plate	PC-T5L	1
	VYNA301-006	"	"	1
46	VND4006-009	Caution Label		1
47	QAZ1021-002	Variable Capacitor		1
48	VYH4780-001	Shield Case		1
49	50242-3	Terminal Lug		1
51	Q03093-627	Washer		1
52	REE2000	E. Ring	Tuning Knob Ass'y x 1 Flywheel Ass'y	2
53	SBSB3006C	Tap. Screw	Bottom Cover Ass'y	5
54	SPSF3008Z	"	LED Ass'y	1
55	SBSF3010Z	"	Jack Board x 4, Bar Ant. x 2 Ext. Ant. Terminal x 2 Roller Bracket Ass'y x 1	9
56	SDSB4020R	"	Cover Ass'y	3
57	SHSP3006RS	"	Front Cover Ass'y x 5 Cover Ass'y x 4	9
58	SSSP3006ZS	Screw	Roller Bracket Ass'y	1
59	SPSP2606Z	Screw	Drum x 1 Cover Ass'y x 2	3
60	SSSB3010Z	Tap. Screw	Collar	4
61	SDSP3006R	Screw		2
63	REE5000	E. Ring	Cover Ass'y	2
64	SPSP2603Z	Screw		1
65	SSSP2004Z	Screw		1

Enclosure Assembly and Electrical Parts of PC-T5 (Except P.W. Board Parts)

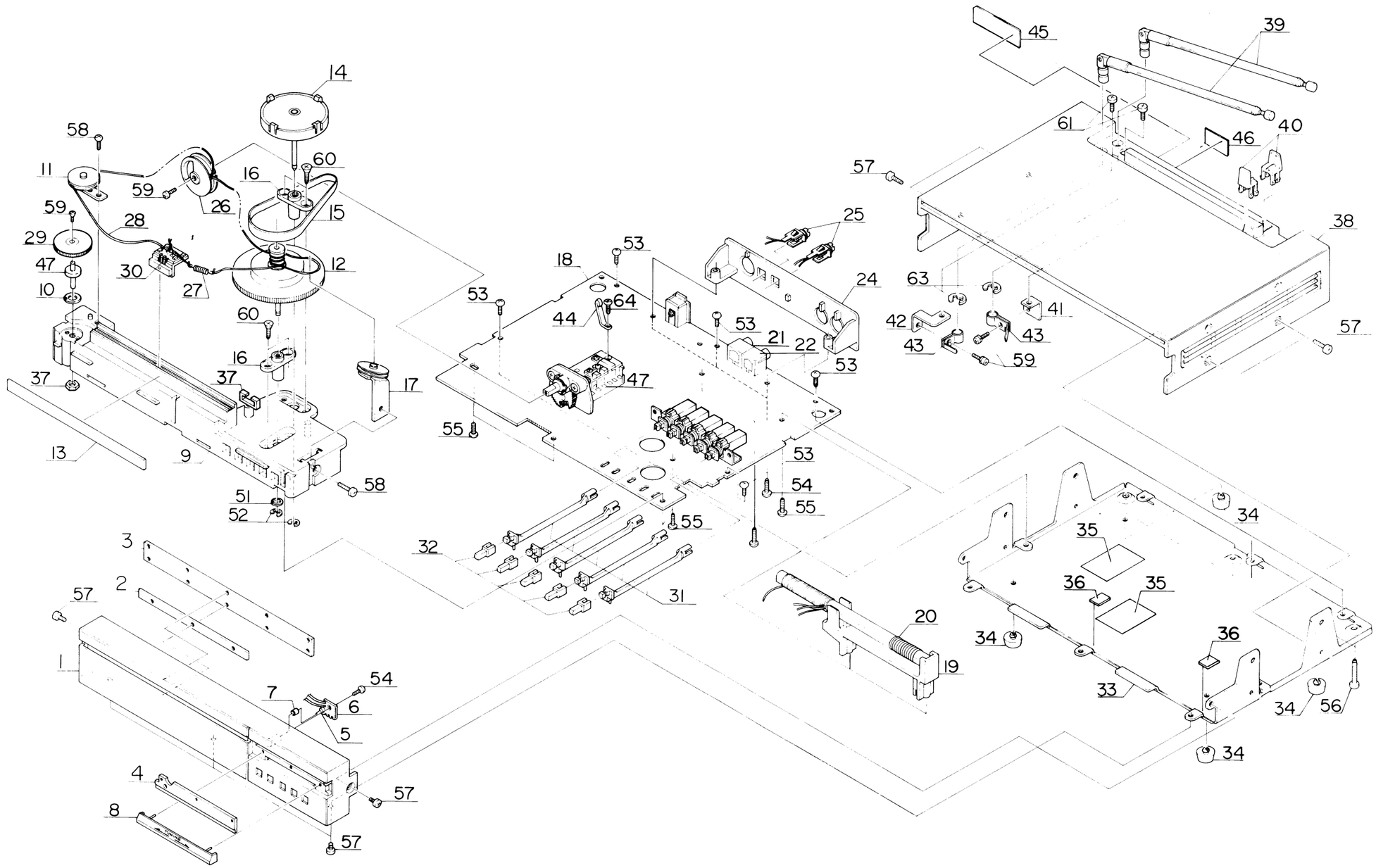


Fig. 61

P.W. Board Parts of PC-T5

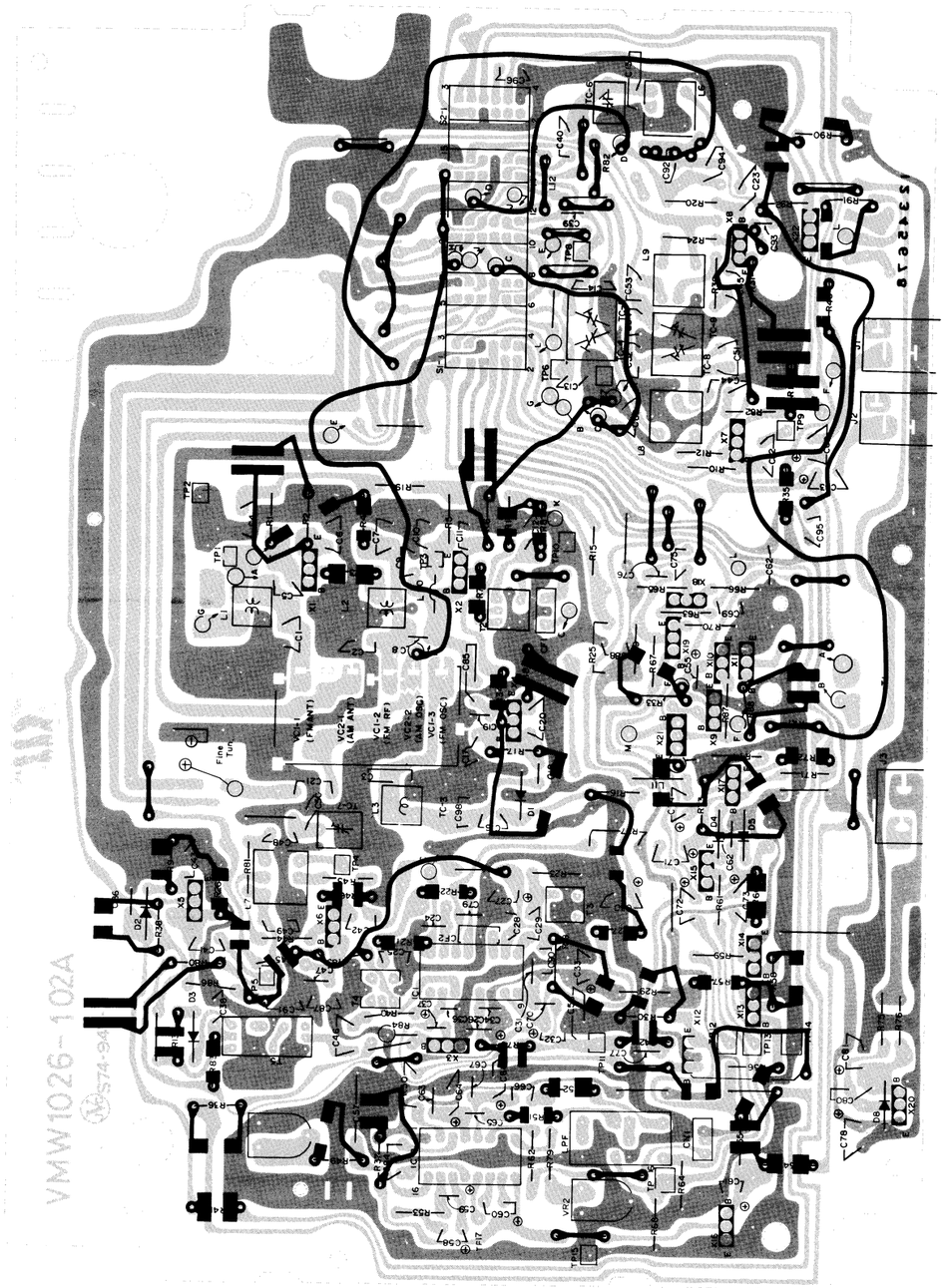


Fig. 62

P.W. Board Parts List of PC-T5

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	VMW1026-102A	P.W. Board		1
VC1-1~3	QAZ1021-002	V. Capacitor		1
2-1~2				
TC1,2,3				
S1-1~6	QSP0039-005M	Push Switch		1
S5-1~6				
L1,2	VQF1B12-003	ANT. Coil	FM	2
L3	V03105-029	OSC Coil	FM	1
L4,5	VQB016B-302	Bar Ant.		1
L6	VQR1014-301	ANT. Coil	SW	1
L7	VQM1T03-301	OSC Coil	MW	1
L8	VQL1S02-201	"	LW	1
L9	VQS1S02-302	"	SW	1
L10	03226-027	Inductor		1
L11	VQP0003-471	"		1
L12	V03047-6	"		1
T1	VQZ0012-001	Balun Trans		1
T2	VQT7F12-102	IFT		1
T3	VQT7F07-501	"		1
T4	VQT7A11-301	"		1
T5	V03067-026	"		1
CF1,2	V03059-016	C. Filter		2
LPF	VQZ0011-001	L.P. Filter		1
VR1,2	QVP8A0B-014	V. Resistor		2
X1,2	2SC535(B)	Transistor		2
X3,10,11,22	2SC2001(L,K)	"		4
X4,5	2SC2839(E)	"		2
X6	2SC460(B)	"		1
X7	2SC1675(L)	"		1
X8	2SC460(B,C)	"		1
X9,12,13,16,17,18,19	2SC536(F)SP	"		7
X14,15,21	2SA608(F,G)	"		3
X20	2SD468(C)	"		1
D1	MA-345	Vari. Cap		1
D2	1S188FM	Ge. Diode		1
D3,4,5	HV80	Si. Diode		3
D8	HZ9A2L	Zener Diode		1
IC1	HA12413	IC		1
IC2	AN7410	"		1
TC-4,5	QAT2002-001	T. Capacitor		2
8,9				
TC-3,6,7	QAT2001-001	"		3
VC-3	QAT5001-003	M.V. Capacitor		1
C1,2,9,21	QCS11HJ-150	C. Capacitor	15pF 50V	4
C3	QCT05UJ-150	"	15pF "	1
C4,11,12,29,46,56,96	QCF11HP-103	"	0.01μF "	7
C5,8	QCS11HJ-5R0	"	5pF "	2
C6,7,24,25,43,62,80, 86,89	QCF11HP-223	C. Capacitor	0.022μF 50V	9
C10,31	QCS11HJ-101	"	100pF "	2
C13,101	" -3R0	"	3pF "	2
C14	" -270	"	27pF "	1
C15	" -2R0	"	2pF "	1
C16	" -160	"	16pF "	1
C17,42,47,87	QCY41EK-103	"	0.01μF 25V	4
C18	QCT05CH-8R0	"	8pF 50V	1

Ref. No.	Parts No.	Parts Name	Remarks		Q'ty
C19	QCT05CH-100	C. Capacitor	10pF	50V	1
C20	" -150	"	15pF	"	1
C22,23,41,44,45	QCY41HK-472	"	0.0047μF	"	5
C26	QCC11EM-473	"	0.047μF	25V	1
C27	QET41AR-107	E. Capacitor	100μF	10 V	1
C28,77,79	QCF11HP-473	C. Capacitor	0.047μF	50V	3
C30,32,60	QET41HR-474	C. Capacitor	0.47μF	"	3
C33	QET41AR-227	"	220μF	10V	1
C34,35	QFM41HK-103	M. Capacitor	0.01μF	50V	2
C36	QEB41HM-105	Al. E. Capacitor	1μF	"	1
C37	QET41AR-336	E. Capacitor	33μF	10V	1
C38,49	QFM41HM-223	M. Capacitor	0.022μF	50V	2
C40	QCS11HJ-100	C. Capacitor	10pF	"	1
C48	" -361	"	360pF	"	1
C50	QCT05YK-5R0	C. Capacitor	5pF	50V	1
C51	QFS41HJ-181	P. Capacitor	180pF	"	1
C52	QCS11HJ-270	C. Capacitor	27pF	"	1
C53	QFS41HJ-332	P. Capacitor	0.0033μF	"	1
C54	QCT05YK-2R0	C. Capacitor	2pF	"	1
C55,72,73	QET41HR-105	E. Capacitor	1μF	"	3
C57	QFS21HJ-471	P. Capacitor	470pF	"	1
C58	QEC41HM-474	E. Capacitor	0.47μF	"	1
C59	" -224	"	0.22μF	"	1
C61	QET41CR-226	"	22μF	16V	1
C63,68	QFM41HJ-103	M. Capacitor	0.01μF	50V	2
C64,67	" -562	"	0.0056μF	"	2
C65,66,70	QET41ER-475	E. Capacitor	4.7μF	25V	3
C69	QCY41HK-152	C. Capacitor	0.0015μF	50V	1
C71,75,76,82,83	QET41HR-335	E. Capacitor	3.3μF	"	5
C74	QEC41HM-104	"	0.1μF	"	1
C78	QET41AR-477	"	470μF	10V	1
C81	QET41CR-227	"	220μF	16V	1
C84,91	QFM41HM-473	M. Capacitor	0.047μF	50V	2
C85	QCS11HJ-4R0	C. Capacitor	4pF	"	1
C88	QCS11HK-151	"	150pF	"	1
C90	" -271	"	270pF	"	1
C92,93,94,95	QEN41HA-105	E. Capacitor	1μF	"	4
C97	QCS11HJ-7R0	C. Capacitor	7pF	"	1
C98	QCT05CH-3R0	C. Capacitor	3pF	50V	1
C100	QCS11HJ-390	"	39pF	"	1
R5,45	QRD141J-564S	C. Resistor	560kΩ	1/4W	2
R10,20,63,67	" -684S	"	680kΩ	"	4
R12,39,62	" -471S	"	470Ω	"	3
R15,19	" -390S	"	39Ω	"	2
R23	" -562S	"	5.6kΩ	"	1
R24	" -271S	"	270Ω	"	1
R25,29	" -101S	"	100Ω	"	2
R32	" -6R8	"	6.8Ω	"	1
R40	" -122S	"	1.2kΩ	"	1
R43	" -330S	"	33Ω	"	1
R44	" -220S	"	22Ω	"	1
R50,59	" -331S	"	330Ω	"	2
R53	" -102S	"	1kΩ	"	1
R61	" -121S	"	120Ω	"	1
R62	" -471S	"	470Ω	"	1
R64,68	" -272S	"	2.7kΩ	"	2

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
R65,69	QRD141J-682S	C. Resistor	6.8kΩ 1/4W	2
R66,70	" -181S	"	180Ω "	2
R71	" -333S	"	33kΩ "	1
R74	" -681S	"	680Ω "	1
R75	" -150S	"	15Ω "	1
R76	QRD141J-221S	C. Resistor	220Ω 1/4W	1
R77	" -561S	"	560Ω "	1
R81	" -224S	"	220kΩ "	1
R84	QRD143J-104S	"	100kΩ "	1
R87	QRD141J-273S	"	27kΩ "	1
R91	" -153S	"	15kΩ "	1
J1	VMC0002-001	Pin Jack		1
J2	-002	"		1
J3	QMA1221-004	DC Jack		1
	VYH4514-001	Shield Case		1
	VYH4517-00A	Shield Plate		2
	VYH4369-003	Shield Case		1
	QMV5005-003	Connector		1
	V44691-001	Wire Clamp		4
	VYH3181-001	Bar Ant. Holder		1
	SBSF3010Z	Tap. Screw		4
	VJD3245-001	Jack Board		1
	V44814-00B	EXT Ant. Terminal		2

Stereo Pre-main Amplifier Unit (PC-A5)

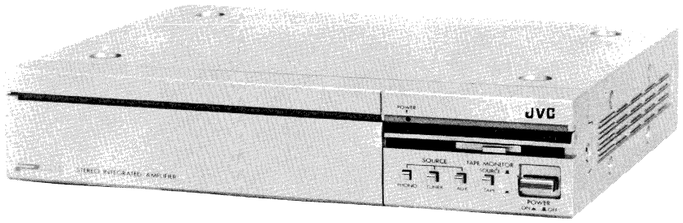


Fig. 63

Enclosure Assembly and Electrical Pars List of PC-A5

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
1	VJC2034-003	Front Cover		1
2	VJD4459-001	Lens		1
3	VJD4450-001	LED Plate		1
4	VJD4460-001	Volume Escutcheon		1
5	VJD4461-002	Control Plate		1
6		LED Board Ass'y		1
7	VJD3253-00A	Door Ass'y		1
8	VJD4462-001	Cover		1
9	VJD4463-002	Plate		1
10	VJD4464-002	"		1
11	VYH4688-001	Magnet		1
12	VYH4680-001	Clamp		1
13	VJD2172-001	Jack Board		1
14	VMZ0013-001	Speaker Terminal	J8,10	2
15	" -002	Plate	J9,11	2
19	VKZ4001-007	Wire Holder		1
22	VYH4735-001	Bracket		1
24	A44594-001	Fuse Clip		2
26		Volume Board Ass'y		1
27	VYH4687-001	Volume Bracket		1
28	VYH4640-001	Holder		1
29	VYH3185-002	Radiation (A)		1
30	NTB3000S	Nut		1
31	VYH3192-001	Radiation (C)		1
32	VYSR104-003	Spacer		1
33	VYH4723-002	Spacer (B)		1
34	VYH4722-002	" (A)		1
35	VYTS404-001	Lock Plate		1
36	VYH4639-001	Rod		1
37	VXP4110-001	Power Knob		1
38	VXP4096-002	Push Button		1
39	VYSF101-108	Spacer		1
40	VXS4043-001	Slide Knob		1
41	VXP4096-001	Push Button		4
42	VJC1144-001	Cover		1
43	VYH4726-001	Plate		1
44	⚠ VTP09N2-12ABS	Power Transformer	PC-A5LB	1
	⚠ VTP09N2-12A	Power Transformer	PC-A5L	
45	VYH4641-001	Bracket		2
47	⚠ QMF51A2-5R0BS	Fuse	PC-A5LB	1
	⚠ QMF51A2-5R0	"	PC-A5L	
48	VXL4137-001	Knob		3
49	——	Bottom Cover Ass'y		1
50	VJF4007-002	Foot		4
51	——	Diode P.W.B	Detector	1
52	VYNA408-003BS	Name Plate	PC-5LB	1
53	——	Muting P.W.B		1
54	SLP-144B	LED	D7	1
55	QXT3410-010	Tube		1
56	VYSP1R3-006	Spacer		1
57	VYH4747-002	Insulation		1
61	Q03093-522	Washer		1
64	GBSB3008Z	Tap. Screw		1
65	SBSF3008Z	"	LED P.W.B x 1 Clamp x 1	2
66	SBSF3010Z	"	Jack Board Ass'y x 2 Wire Clamp x 1	3
67	SDSB4020R	"	Bottom Cover Ass'y	3
68	SHSP3006RS	"		9
69	SPSP3006ZS	Screw	Wire Holder x 3 Fuse Clip x 4	7
70	SPSP3008ZS	"	Radiation	5
71	SPSP4004ZS	"	Bottom Cover Ass'y	4
72	SPSP4008Z	"		4
73	SSSB3010Z	"		1
74	SSSP2606Z	"		2
75	SSSP3006CS	"		4
76	SSSP3008ZS	"	Volume Bracket x 2 Radiation (C) x 1	2
77	SPSP3004ZS	"	for Muting P.W.B	1
78	LPSP3008CS	Ass'y Screw	Power Transformer	2

Enclosure Assembly and Electrical Parts of PC-A5 (Except P.W. Board Parts)

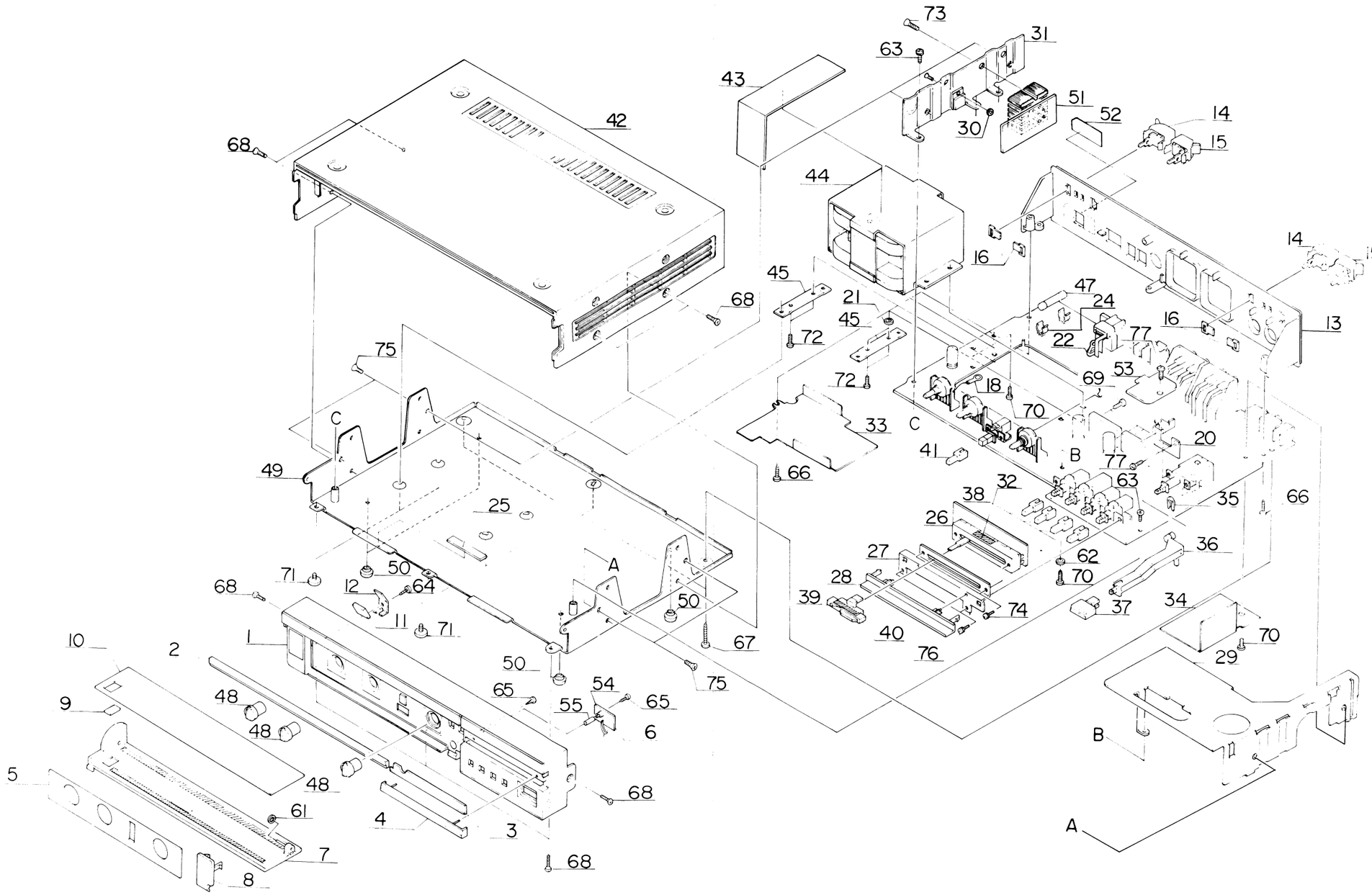


Fig. 64

P.W. Board Parts of PC-A5

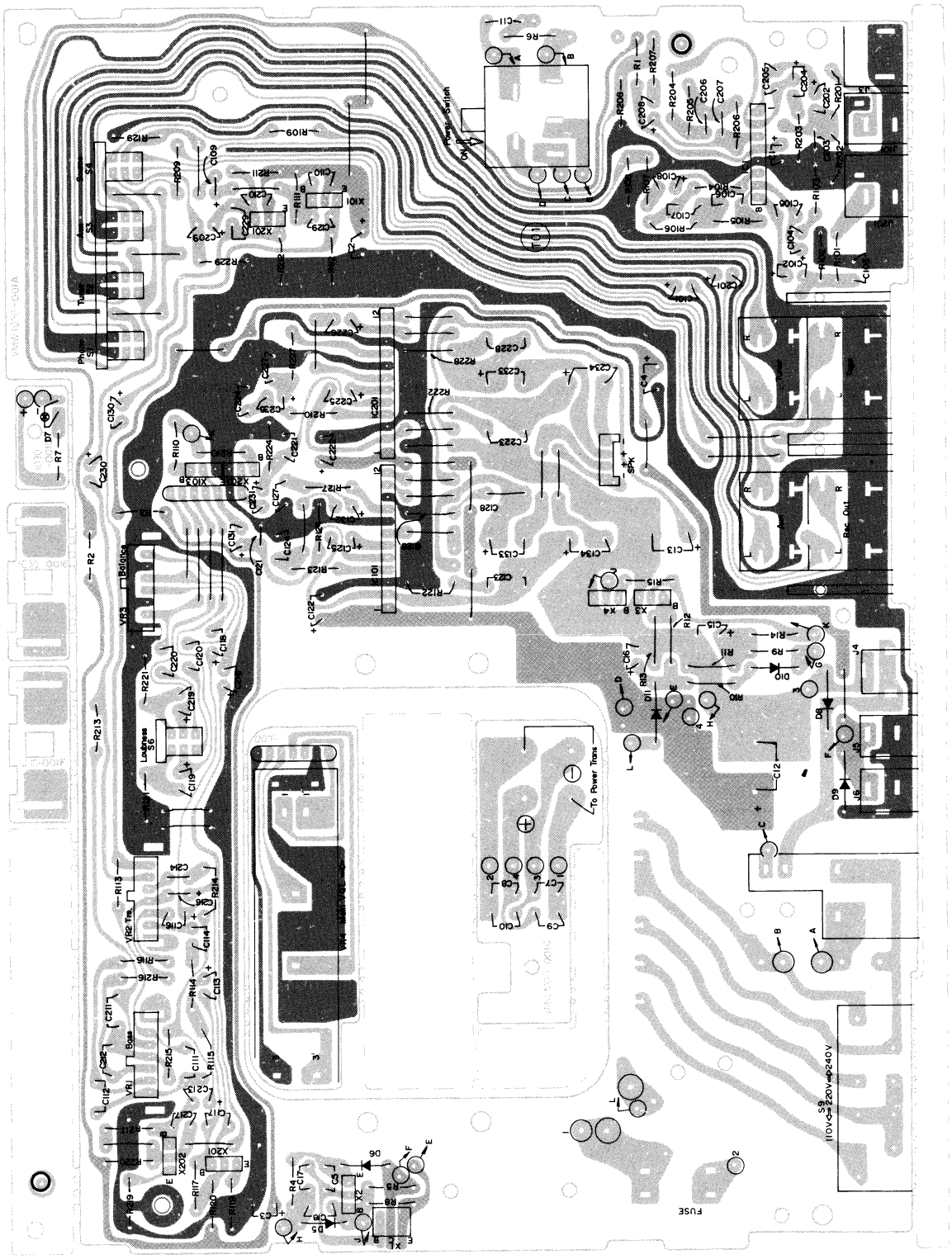


Fig. 65

P.W. Board Parts List of PC-A5

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	VMW1030-002A	P.W. Board		
(S1-1,2 S2-1,4 S3-1,2 S4-1,2)	QSP0040-004	Push Switch	(PHOTO, TUNER AUX REC)	1
S6-1,2	QSP0218-052	"	LOUDNESS	1
S7-1,2	QSP2111-011	"	POWER PC-A5L	1
	QSP2111-011BS	"	" PC-A5LB	1
S9-1,2	⚠ QSS2325-107	Slide Switch	PC-A5L	1
	⚠ QSS2325-107BS	"	PC-A5LB	1
VR1-1,2	QVN1A6B-115MT	V. Resistor		2
VR2-1,2				
VR3-1,2	QVN1A6M-154MT	"	BALANCE	1
J1-1~4	VMJ3005-001	Pin Jack Ass'y		2
J2-1~4				
J3	VMZ0001-001	Earth Terminal		1
J4	QMA1221-004	DC. Jack		1
J5,6	QMA0921-006H			2
J101	VMC0002-002	Pin Jack		1
J201	" -001	"		1
J7,S8	⚠ QMC0263-002	AC Socket	PC-A5L	1
	" -002BS	"	PC-A5LB	1
X1	SB511(D,E)HP-S	Transistor		1
X2	2SC945(P,Q)	"		1
X3,4,103,203	2SC945(P,Q)	"	or 2SD636(R,S)	4
X101,201,102,202	2SC945L(PA)	"		4
IC1	BA328	IC		1
IC101,201	AN7156N	"		2
D1,2,3,4	M4B51-11	Si. Diode		1
D5	HZ12B1	Zener Diode		1
D6	KB262	Varistor		1
D8,9	10E1-B	Si. Diode		2
D10,11	1S2076	Si. Diode		2
CN2P	QMV5005-004	Connector	Speaker	1
C1	QET41CR-476	E. Capacitor	47μF 16V	1
C2,3	" -477	"	470μF "	2
C4	" -108	"	1000μF "	1
C5,17	QCC11EM-104	C. Capacitor	0.1μF 25V	2
C7,8,9,10	QCF11HP-103	"	0.01μF 50V	4
C11	QFZ9010-103	M.M Capacitor	0.01μF	1
C12	QEW71EH-478L32	C. Capacitor	25V	1
C13	QET41ER-228	"	2200μF "	1
C15	QET41CR-337	"	330μF 16V	1
C16	QEB41HM-154N	E. Capacitor	0.15μF 50V	1
C18	QET41HR-474	E. Capacitor	0.47μF 50V	1
C101,201,113,213, 116,216	QET41ER-475	"	4.7μF 25V	6
C102,202,108,208	QET41CR-106	"	10μF 16V	4
C103,203	QCS11HJ-501	C. Capacitor	500pF 50V	2
C104,204,125,225 126,226	QET41AR-476	E. Capacitor	47μF 10V	6
C105,205	QCF11HP-102	C. Capacitor	0.001μF 50V	2
C106,206	QFM41HJ-822	M. Capacitor	0.0082μF "	2
C107,207	" -273	"	0.027μF "	2
C109,209	QEC41HM-224	E. Capacitor	0.22μF "	2
C110,210	QCS11HJ-301	C. Capacitor	300pF "	2

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
C111,211,112,212	QFM41HJ-563	M. Capacitor	0.056μF 50V	4
C114,214	QFM41HJ-152	"	0.0015μF "	2
C117,217,129,229	QCS11HJ-101	C. Capacitor	100pF "	4
C118,218	QET41HR-105	E. Capacitor	1μF "	2
C119,219	QEC41HM-104	E. Capacitor	0.1μF "	2
C120,220	QCY41HK-122	C. Capacitor	0.0012μF "	2
C121,221	" -471	"	470pF "	2
C122,222	QEH41ER-477	E. Capacitor	470μF 25V	4
C123,223,128,228	QFV41HJ-224	T.F. Capacitor	0.22μF 50V	4
C124,224,127,227	QFM41HK-103	M. Capacitor	0.01μF "	4
C130,230	QET41HR-335	E. Capacitor	3.3μF "	2
C131,231	QEH41ER-475	"	4.7μF 25V	2
C132,232	QEH41AR-107	"	100μF 10V	2
C133,233,134,234	QET41CR-228	"	2200μF 16V	4
FR1	QRH141J-2R2	Fusible Resistor	2.2Ω 1/4W	1
R1,5,123,223 127,227	QRD141J-331S	C. Resistor	330Ω 1/4W	6
R2,3	" -101S	"	100Ω "	2
R4	" -102S	"	1kΩ "	1
R8,105,205,107 207,109,209,110 210,113,213,115 215,116,216	QRD141J-103S	"	10kΩ "	15
R9	" -100S	"	10Ω "	1
R10,104,204	" -102S	"	1kΩ "	3
R11	" -332S	"	3.3kΩ "	1
R12,13,129,229	" -104S	"	100kΩ "	4
R14,15,114,214	" -472S	"	4.7kΩ "	4
R101,201	" -182S	"	1.8kΩ "	2
R102,202	" -473S	"	47kΩ "	2
R103,203	" -121S	"	120Ω "	2
R106,206	" -124S	"	120kΩ "	2
R108,208	" -223S	"	22kΩ "	2
R111,211	" -334S	"	330kΩ "	2
R112,212,120,220	" -392S	"	3.9kΩ "	4
R117,217	" -684S	"	680kΩ "	2
R119,219	" -681S	"	680Ω "	2
R121,221	" -222S	"	2.2kΩ "	2
R122,222,128,228	" -2R2S	"	2.2Ω "	4
R124,224	" -153S	"	15kΩ "	2
	QWY123-002	Bus Wire		27
	VYSR106-007	Spacer		1
	Q03095-206	Washer		1
	V44611-003	Formed Bus Wire		5
	VJD2172-001	Jack Board		1
J8,10	VMZ0013-001	SPK Terminal		2
	VYH4710-001	Plate		4
J9,11	VMZ0013-002	"		2
	*VMW1030-001B	P.W. Board		1
VR4-1,2	QVZ5010-010A	V. Resistor	MAIN Volume	1

Stereo Cassette Deck Unit (PC-D5)

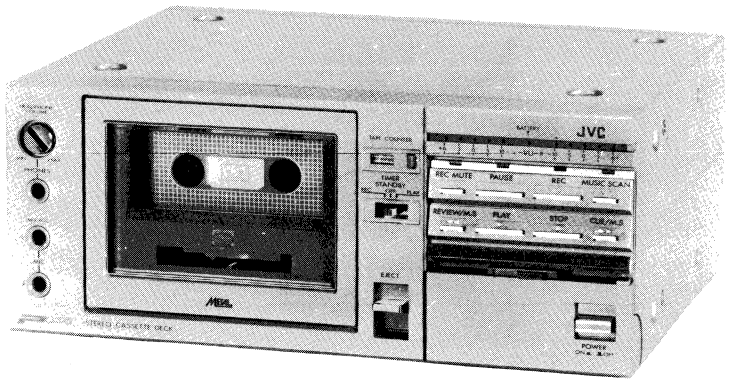


Fig. 66

Mecha. Buttons Assembly

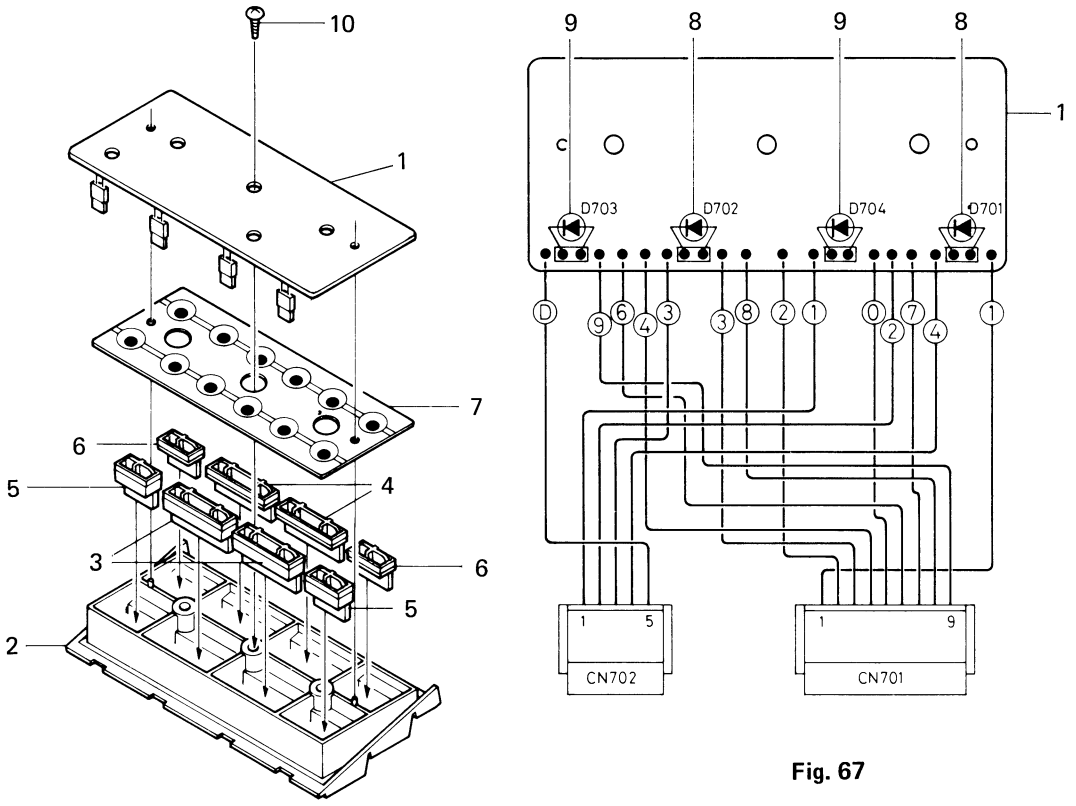


Fig. 67

Mecha. Buttons Ass'y Parts List

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
1	VMW3127-001	P.W.B		
2	VJD2163-001	Button Frame		1
3	VXP4097-001	Push Knob		2
4	VXP4097-002	"		2
5	VXP4098-001	"		2
6	VXP4098-002	"		2
7	VYH3182-001	Rubber		1
8	SLP-151B	LED	RED(D701,D702)	2
9	SLP-251B	"	GREEN(D703,D704)	2
10	SBSF3008Z	Tap. Screw		1

Enclosure Assembly and Electrical Parts of PC-D5 (Except P.W. Board Parts)

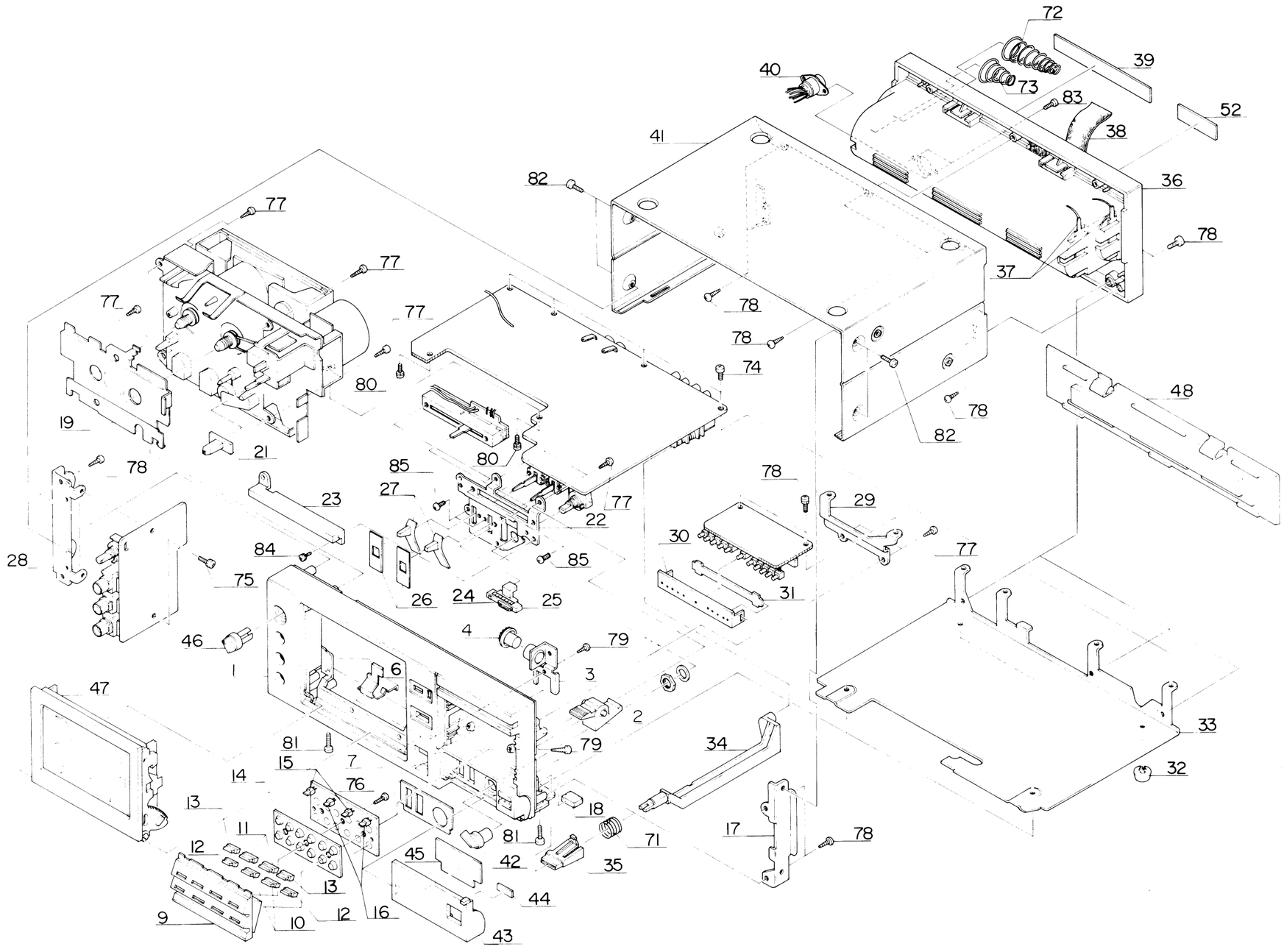


Fig. 68

Mechanical Component Parts of PC-D5

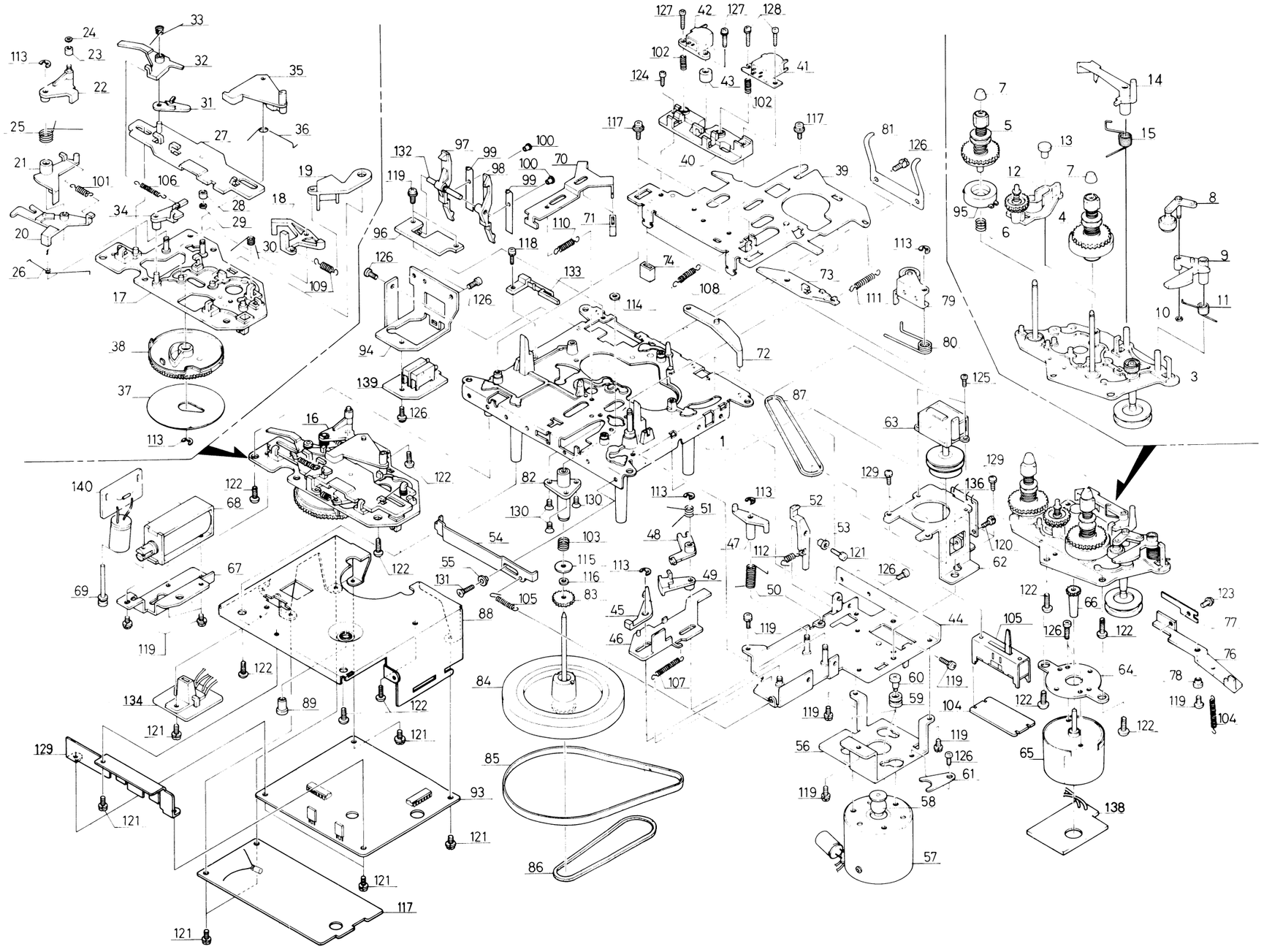


Fig. 69

Enclosure Assembly and Electrical Parts List of PC-D5

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
1	VJC1135-002	Front Cabinet		1
2	VXQ4040-001	Eject Lever		1
3	VYH4636-00A	Dump Ass'y		1
4	VYH4460-001	Gear		1
5	VYH4743-001	Supporter		1
6	VYH4629-001	Door Spring		1
7	VJD4457-002	Control Plate		1
9	VJD2163-001	Button Frame		1
10	VXP4097-001	Push Knob		2
11	" -002	"		2
12	VXP4098-001	"		2
13	" -002	"		2
14	VYH3182-001	Rubber		1
15	SLP-151B	LED	RED	2
16	SLP-251B	"	GREEN	2
17	VYH4631-001	Side Bracket		1
18	VYH4633-001	Magnet		1
19	VJD3251-001	Mecha Blind		1
20	THC037417-02	Head Plate		2
21	VXS4042-001	Slide Knob	Timer	1
22	VYH3180-002	Control Bracket		1
23	VJD4447-001	Blinder		1
24	VYSA1R8-008	Spacer		1
25	VXS4043-001	Slide Knob	REC. Volume	1
26	VYTA464-001	Dust Cover		2
27	VXQ4041-001	Lever Cap		2
28	VYH4685-001	Phones Bracket		1
29	VYH4632-001	Board Holder		1
30	VJD3250-001	LED Holder		1
31	VYH4644-001	Plate		1
32	VJF4007-002	Foot		2
33	VJC2035-002	Bottom Plate		1
34	VYH3184-001	Remote Bar		1
35	VXP4099-001	Power Knob		1
36,38,39,52	ZCPCD5Y-CBR	Rear Cover Ass'y		1
36	VJC1136-004	Rear Cover		1
37	VYH4010-004	Battery Contact		2
38	V41583-007	Tape		1
39	VJD4490-002	Caution Plate		1
40	QMC0888-009	Jack Ass'y	J801	1
41	VJC1149-002	Cover		1
42	VXL4135-001	Knob	Balance	1
43	VJD3246-002	Door		1
44	VYH4634-001	Steel Plate		1
45	VJD4456-002	Plate		1
46	VXL4136-001	Knob	Head Phones	1
47	VJT3063-00B	Cassette Door Ass'y		1
48	ZCPCD5Y-BCA	Battery Cover Ass'y		1
51	VND4001-007	Caution Label	Remote	1
52	VYNA301-005	Name Plate	PC-D5L	1
	VYNA301-003	"	PC-D5LB	1
71	VKW3001-045	Compression Spring		1
72	V44686-002	Spring		1

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
73	53738-009	Spring		1
74	LPSP3006CS	Screw		4
75	LPSP3006ZS	"	Phones Bracket x 2 Board Holder x 2	4
76	SBSF3008Z	Tap. Screw		1
77	SBSF3010C	"	LED Holder x 8 Mecha Aseembly x 4 Side Bracket x 2	14
78	SBSF3010Z	"	Phones Bracket x 2 LED Holder x 2 Cover x 5	9
79	SBSF3012Z	"	Dump Ass'y x 1 Button Ass'y x 2	3
80	DPSP2606V	"	Mecha ~ Main Board	2
81	SDSP3006RS	"	Bottom Plate	2
82	SDSP3008RS	"	Cover	7
83	SPSP2606R	"	Jack Ass'y	2
84	SPSP2606Z	"	Blinder	1
85	SPSP3006ZS	"	Control Bracket	4

Mechanical Component Parts List of PC-D5

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
1	VKL1162-00F	Chassis Base Ass'y		1
3	VKL3215-00B	Reel Disk Bracket Ass'y		1
4	VKR4150-00C	Reel Disk Ass'y	Take up	1
5	VKR4158-00B	"	Supply	1
6	THIS DWG.	Comp. Spring	Back Tension	1
7	VKR4160-001	Reel Stopper		2
8	VKS4240-00A	Idler Arm Ass'y		1
9	VKS4170-001	Take up Lever		1
10	TEP357421-05	Special Washer	Take up Arm	1
11	VKW4181-001	Take up Lever Spring		1
12	VKS4203-00B	FF. Rew. Gear Ass'y		1
13	VKS4174-001	Lock Bush		1
14	VKS4175-001	Neutral Arm		1
15	VKW4182-001	Neutral Arm Spring		1
16	VKL3217-00C	Drive Gear Ass'y Unit		1
17	VKL3218-00B	Gear Holder Ass'y		1
18	VKS4176-001	Stop Arm		1
19	VKS4177-001	Kick Arm		1
20	VKS4178-001	Pause Arm (3)		1
21	VKS4179-001	" (2)		1
22	VKS4180-00A	" (1) Ass'y		1
23	VKH3000-031	Collar		1
24	VKZ4004-001	Special Washer	Collar	1
25	VKW4183-001	Pause Arm Spring	Pause Arm (1), (2)	1
26	VKW4184-001	"	Pause Arm (3)	1
27	VKS4182-00B	Slide Bar Ass'y		1
28	VKH3000-031	Collar		1
29	VKZ4004-001	Special Washer	Collar	1
30	VKW4185-001	Slide Bar Spring		1
31	VKS4184-001	Play Arm (2)		1
32	VKS4185-001	" (3)		1
33	VKW4186-001	Play Arm Spring		1
34	VKS4186-001	Brake Arm		1
35	VKS4187-001	Play Arm (1)		1
36	VKW4187-001	" Spring		1
37	VKZ4134-001	Control Plate		1
38	VKS3114-001	Drive Gear		1
39	VKL3220-00B	Slide Base Ass'y		1
40	VKS2102-001	Head Mount Base		1
41	ZMM074410-0P	R.P. Head Ass'y		1
42	ZMM090414-0A	E. Head Ass'y		1
43	VKH4215-001	Head Collar		1
44	VKL3264-00A	Side Bracket Ass'y		1
45	VKS4190-001	Eject Arm		1
46	VKS4334-001	Eject Slide Bar		1
47	VKS4191-001	Safety Arm (1)		1
48	VKS4234-001	" (2)		1
49	VKS4235-001	" (3)		1
50	VKW4188-001	Safety Arm Spring		1
51	VKW4220-001	"		1
52	VKS4342-001	Lock Arm		1
53	VKH3001-039	Flange Collar		1
54	VKL4661-002	Stop Slide Bar		1
55	VKH4306-001	Collar		1

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
56	VKL4879-001	Motor Bracket		1
57	MHI-5E2LDPB	D.C. Motor		1
58	VKS4188-003	Motor Pulley		1
59	VKZ4130-001	Cushion Rubber		3
60	VKZ4109-001	Motor Screw		3
61	TFB345469-01	Rubber Stopper		1
62	VKL4883-002	Counter Bracket		1
63	VKC5141-001T	Tape Counter		1
64	VKL4657-001	Reel Motor Bracket		1
65	MMN-6C2RKP	Reel Motor		1
66	VKS4193-002	Motor Gear		1
67	VKL4658-002	Solenoid Bracket		1
68	VGP0401-005	D.C. Solenoid		1
69	VKH4324-001	Solenoid Pin		1
70	VKH4324-001	Brake Bar		1
71	VKZ4129-001	Brake Rubber		2
72	VKS4194-00B	Take off Lever Ass'y		1
73	VKS4277-001	Slide Base Arm		1
74	T44341-001	Rubber Tire		2
75	TJN265559-01	Silencer		1
76	VKL4925-001	Kick Lever		1
77	VKY4204-002	Spring Plate		1
78	VKH3001-024	Flange Collar		1
79	VKP4106-00B	Pinch Roller Arm Ass'y		1
80	VKW4189-001	Pinch Roller Spring		1
81	VKY4171-001	Pack Spring		1
82	VKF4108-00A	Capstan Metal Ass'y		1
83	VKS4199-001	Fly Wheel Gear		1
84	VKF3114-00A	Fly Wheel Ass'y		1
85	VKB3001-010H	Belt	Capstan	1
86	VKB3000-017H	Belt	Take up	1
87	VKB3000-031H	"	Counter	1
88	VKL3268-002	Fly Wheel Holder		1
89	TEP357456-01	Thrust Bearing		1
90	VKZ4001-009	Wire Holder		1
91	" -010	"		2
92	QET41CR-227	E. Capacitor	C853 220μF/16V	1
93	VMW7002-002EC	Mecha Control Ass'y		1
94	VKL4881-003	SW Bracket		1
95	VKS4247-001	Back Tension Base		1
96	VKS4271-001	Arm Holder		1
97	VKS4322-001	Rec. Safe Arm		1
98	VKS4323-001	Cassette Sw. Arm		1
99	VKY4204-001	Safety Plate		2
100	VKS4324-001	Pin		2
101	VKW3000-014	Tension Spring		1
102	VKW3001-020	Comp. Spring	R/P, E Head	2
103	" -044	"	Thrust	1
104	VKW3002-011	Tension Spring		1
105	" -020	"	Stop Slide Bar	1
106	" -022	"	Play Arm (3) Brake Arm	1
107	" -038	"	Eject Slide Bar	1
108	" -042	"	Slide Base	1
109	" -046	"	Kick Arm	1

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
110	VKW3002-054	Tension Spring	Brake Rubber	1
111	" -060	"	Slide Base Arm	1
112	" -066	Spring	Lock Arm	1
113	REE2500	E Ring	Pause Arm Spring x 1 Drive Gear x 1 Safety Arm x 3 Pinch Roller Spring x 1	6
114	Q03093-522	Washer	Oil Cut	1
115	Q03093-628	"	Thrust	1
116	" -827	"	"	1
117	DPSP2605Z	Screw	Slide Base	3
118	LPSP2004Z	"	Pause Sw	1
119	LPSP2604Z	"	Motor Bracket Counter Bracket) x 3 Side Bracket x 2 Solenoid Bracket x 4 Flange Collar x 1 Slide Sw. x 2	12
120	LPSP2605Z	"	Auto Stop Rec. Safety	2
121	LPSP2606Z	"	Lock Arm x 1 Mecha Con. Phot C. x 6	7
122	SBSB2608Z	"	Motor Bracket x 2 Reel Unit x 3 Gear Ass'y Unit x 3 Fly Wheel Holder x 3	11
123	SPSP2003Z	"	Spring Plate	1
124	SPSP2004N	Screw	Head Mount Base	1
125	SPSP2004Z	"	Counter Bracket	2
126	SPSP2603Z	"	Reel Motor x 2 Pack Spring x 2 Rubber Stopper x 1	5
127	SPSX2008N	"	E. Head	2
128	SPSX2010N	"	R/P Head	2
129	LPSP2604Z		Counter Bracket	2
130	SSSP2605Z	"	Capstan Metal	2
131	SSSP2606Z	"	Stop Slide Base	1
132	VKH4291-001	Shaft		1
133	VSH1108-001	Leaf Switch		1
134	SSSP2604Z	Screw	Side Bracket x 2 SW. Bracket x 3	5

P.W. Board Parts of PC-D5

(Cassette Amplifier Circuit)

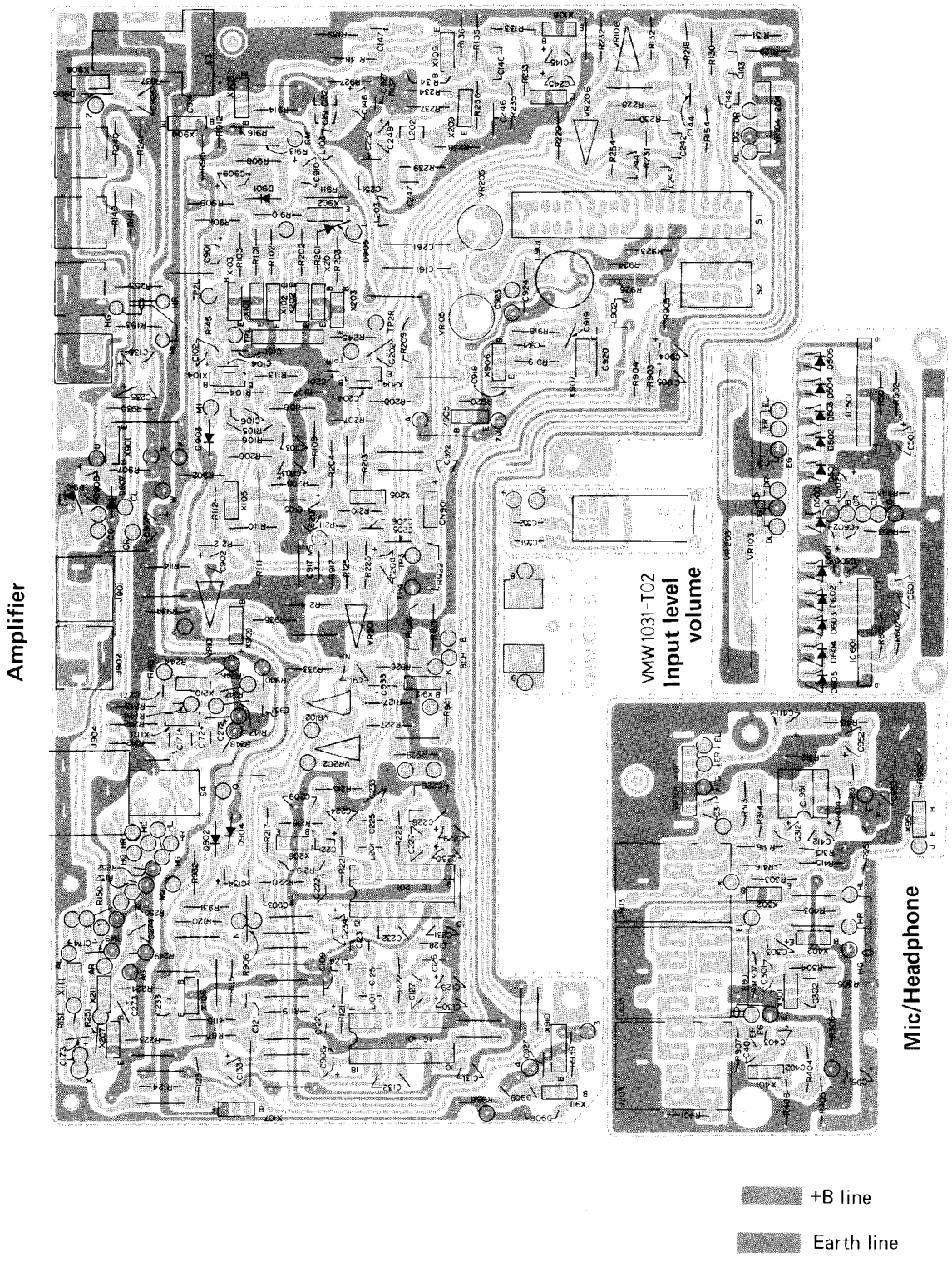


Fig. 70

P.W. Board Parts List (Cassette Amplifier Circuit)

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	VMW1031-002A	P.W. Board	for Amp	
S1-1~8	QSL8309-001	Lever Switch		1
S2-1,2	QSL2309-001	〃		1
S3	QSP1110-602	Push Switch		1
S4-1,2	QSP2210-061	Din Switch		1
J101,102	VMC0002-002	Pin Jack		2
J102,202	〃 -001	〃		2
J901	QMA1221-004	DC Jack		1
J902	QMA0921-005	〃		1
J904	QMC9014-006	Din Jack		1
L101,201	VQP0006-183	Inductor		2
L102,202	VQP0001-562S	〃		2
L103,203	〃 -183S	〃		2
L901	VQH1009-007	OSC Coil		1
L902	VQP0001-102S	Inductor		1
	VYH4514-002	Shild Case		1
IC101,201	AN7363	IC		2
X101,201,102,202	2SC1845(E,U)	Transistor		4
X103,203,106,206 107,207,108,208 111,211,903,904 911	2SC945(Q,P)	〃		14
X104,204,105,205	2SC1845(P,F,E)	〃	PC-5LB	4
X104,204,105,205	2SC1843(P,F,E)	〃	PC-5L	4
X109,209	2SC1841(U)	〃		2
X110,210	2SC1845(U)	〃		2
X901	2SD246(C)	〃		1
X902	2SA992(E,F)	〃		1
X905	2SC2001(L,K)	〃	or 2SD468(C)	1
X906,907	2SC2001(L,K)	〃		2
X908,909	2SA733A(P,K)	〃		2
X910	2SB772(Q,P)	〃		1
X912	2SC945A(Q,P)	〃		1
D901	HZ5C	Zener Diode		1
D902,903,904,906	MA150	Si. Diode		1
D905	RD47EB	Zener Diode		1
D907	HZ12C	〃		1
D908	HZ6C2	〃		1
D909	KB262	Varistor		1
D910	10E1	Si. Diode		1
R101,201,103,203 119,219,120,220 140,240,938	QRD141J-332S	C. Resistor	3.3kΩ 1/4W	11
R102,202,143,243	〃 -822S	〃	8.2kΩ 〃	4
R104,204,154,254	〃 -224S	〃	220kΩ 〃	4
R105,205	〃 -823S	〃	82kΩ 〃	2
R106,206,109,209 114,214,121,221 124,224,127,227 905,912,917,932 937	〃 -472S	〃	4.7kΩ 〃	17
R107,207,110,210 911,928	〃 -101S	〃	100Ω 〃	6
R108,208	〃 -562S	〃	5.6kΩ 〃	2
R111,211,906	〃 -152S	〃	1.5kΩ 〃	2
R112,212,130,230 133,233,137,237	〃 -103S	〃	10kΩ 〃	12

Ref. No.	Parts No.	Parts Name	Remarks		Q'ty
903,904,910,914					
R113,213	QRD141J-334S	C. Resistor	330kΩ	1/4W	2
R115,215,136,236	" -333S	"	33kΩ	"	4
R116,216,139,239	" -151S	"	150Ω	"	4
R117,217	" -393S	"	39kΩ	"	2
R122,222,923	" -680S	"	68Ω	"	3
R123,223,142,242	" -102S	"	1kΩ	"	7
907,908,931					
R125,225,909,913	" -223S	"	22kΩ	"	5
921					
R128,228,129,229	" -473S	"	47kΩ	"	10
251,915,916,929					
935,941					
R131,231	" -563S	"	56kΩ	"	2
R132,232,934	" -333S	"	33kΩ	"	3
R134,234	" -564S	"	560kΩ	"	2
R135,235,141,241	" -104S	"	100kΩ	"	4
R138,238,926	" -122S	"	1.2kΩ	"	3
R144,244	QRD143J-225S	"	2.2MΩ	"	2
R145,245,925	QRD141J-100S	"	10Ω	"	3
R146,246	QRD143J-121S	"	120Ω	"	2
R147,247	" -332S	"	3.3kΩ	"	2
R148,248	" -104S	"	100kΩ	"	2
R149,249	" -223S	"	22kΩ	"	2
R150,250,940	" -102S	"	1kΩ	"	3
R151,251	" -473S	"	47kΩ	"	1
R152,252	" -224S	"	220kΩ	"	2
R901,927,939	QRD141J-222S	"	2.2kΩ	"	3
R902,933	" -471S	"	470Ω	"	2
R918,919	" -183S	"	18kΩ	"	2
R920	" -4R7S	"	4.7Ω	"	1
R922	QRD147J-1R0S	"	1Ω	"	1
R923	QRD141J-560S	C. Resistor	56Ω	1/4W	1
R924	QRD141J-101S	"	100Ω	"	1
R930	QRD149J-100S	"	10Ω		1
	QWY123-022	Bus Wire	for Jump		14
	V44611-003	Formed Bus Wire			1
	" -005	"			2
VR101,201,102,202	QVP8A0B-024	V. Resistor	P.B. Level REC Level		4
VR103,203	QVT5D6A-024	"	Input		1
VR104,204	QVD4A6M-154M	"	BAL		1
VR105,205	QVP4A0B-224	"	Bias. SF		2
VR106,206	QVP8A0B-015	"	Bias Metal		2
C101,201,144,244	QFM41HJ-102	M. Capacitor	0.001μF	50V	4
C102,202	QEB41EM-106	E. Capacitor(L,L)	10μF	25V	2
C103,203	QET41CM-106	E. Capacitor	10μF	16V	2
C104,204	QCS11HK-101	C. Capacitor	0.001μF	50V	2
C105,205	QFM41HJ-103	M. Capacitor	0.01μF	"	2
C106,206	QCS11HK-680	C. Capacitor	68pF	"	2
C107,207,923,926	QET41HR-106	E. Capacitor	10μF	"	4
C108,208	QET41ER-475	"	4.7μF	25V	2
C109,209	QCS11HJ-471	C. Capacitor	470pF	50V	2

Ref. No.	Parts No.	Parts Name	Remarks		Q'ty
C121,221	QEB41HM-105	E. Capacitor	1μF	50V	2
C122,222,124,224	QET41HR-105	"	1μF	"	4
C123,223	QFM41HK-103	M. Capacitor	0.01pF	"	2
C125,225,153,253	QCS11HJ-301	C. Capacitor	300pF	"	4
C126,226	QFM41HJ-152	M. Capacitor	0.0015μF	"	2
C127,227	" -272	"	0.0027μF	"	2
C128,228	" -683	"	0.068μF	"	2
C129,229	QEB41HM-104	E. Capacitor(L,L)	0.1μF	"	2
C130,230	QEB41EM-475	"	4.7μF	25V	2
C131,231,922	QET41AR-107	E. Capacitor	100μF	10V	3
C132,232	QFM41HJ-272	M. Capacitor	0.0027μF	50V	2
C133,233,134,234	QET41HR-335	E. Capacitor	3.3μF	"	4
C142,242	QCS11HJ-271	C. Capacitor	270pF	"	2
C143,243	" -561	"	560pF	"	2
C146,246	QFM41HJ-823	M. Capacitor	0.082μF	"	2
C147,247	" -153	"	0.015μF	"	2
C151,251	QCS11HJ-301	C. Capacitor	300pF	"	2
C152,252	QCY41HK-681	"	680pF	"	2
C161,261	QFS21HK-331	P. Capacitor	330pF	"	2
C173,273,174,274	QET41HR-474	E. Capacitor	0.47μF	"	4
C901,903,904,905 931	QET41AR-476	"	47μF	10V	5
C902,907,910	QET41CR-227	"	220μF	16V	3
C906	QET41AR-227	"	"	10V	1
C908	QET41CR-477	"	470μF	16V	1
C909	" -476	"	47μF	"	1
C911	QEN41EM-335	N.E. Capacitor	3.3μF	25V	1
C914	QCF11HP-103	C. Capacitor	0.01μF	50V	1
C917	QFM41HJ-682	M. Capacitor	0.0068μF	"	1
C918,919	QCY41HK-332	C. Capacitor	0.0033μF	"	2
C920,924	QFP42AJ-223	P.P. Capacitor	0.022μF	100V	2
C921	QFM41HJ-473	M. Capacitor	0.047μF	50V	1
C925	QET41CR-107	E. Capacitor	100μF	16V	1
C927	QCC11EM-104	C. Capacitor	0.1μF	25V	1
C933	QET41CR-106	E. Capacitor	10μF	16V	1
	VMZ0005-001	Post Pin			8
CN901	QVM5005-003	Plug Ass'y			1
CN902	" -006	"			1
	V43895-1	Tab	for Battery		
(Mic/ Headphone P.W.B Parts)					
	VMW1031-002B	* P.W. Board	for MIK & H.P.		
J103,203	QMS6313-007	MIC Jack			2
J903	"	H.P. Jack			1
IC951	VPC4557C	IC			1
X301,401	2SC1845(U)	Transistor			2
X302,402	2SC2001(L,K)	"			2
X951	2SA733A(P,K)	"			1
R301,401	QRD141J-472S	C. Resistor	4.7kΩ	1/4W	2
R303,403	" -822S	"	8.2kΩ	"	2
R304,404	" -225S	"	2.2MΩ	"	2
R305,405	" -332S	"	3.3kΩ	"	2
R306,406,316,416	" -330S	"	33Ω	"	4
R307,407,314,414 925	" -473S	"	47kΩ	"	5
R153,253	" -823S	"	82kΩ	"	2

Ref. No.	Parts No.	Parts Name	Remarks		Q'ty
R311,411,312,412	QRD141J-562S	C. Resistor	56kΩ	1/4W	4
R313,413	" -183S	"	18kΩ	"	2
R315,415	" -471S	"	470Ω	"	2
R951	" -102S	"	1kΩ	"	1
VR301,401	QVN3A6A-023M	V. Resistor			1
C301,401	QET41HR-335	E. Capacitor	3.3μF	50V	2
C302,402	QCS11HK-471	C. Capacitor	470pF	"	2
C303,403,311,411	QET41HR-105	E. Capacitor	1μF	"	4
C312,412	QET41CR-476	"	47μF	16V	2
C951	QET41AR-476	"	47μF	10V	1
C952	" -107	"	100μF	"	1
C953	QET41CR-106	"	10μF	16V	1
C954	QCY41HK-681	C. Capacitor	680pF	50V	1
(Ree Level Volume P.W.B Parts)					
	*VMW1031-002C	P.W. Borad	for LED		
IC501,601	BA6124	IC			2
D501,601,502,602	LN36BP	LED(Green)			4
D503,603,504,604	LN26RP	LED(Red)			7
505,605,500					
R501,601	QRD141J-103S	C. Resistor	10kΩ	1/4W	2
R502,602	" -332S	"	3.3kΩ	"	2
R503,603	" -822S	"	8.2kΩ	"	2
C500	QET41AR-476	E. Capacitor	47μF	10V	1
C501,601	QET41CR-106	"	10μF	16V	2
C502,602	QET41HR-105	"	1μF	50V	2
(Beat Cutting P.W.B. Parts)					
	VMW1031-001E	P.W. Board	for Beat Cut		
S5	QSS2301-103	Slide Switch			1
C551	QCY41HK-152	C. Capacitor			1
C552	QCY41HK-472	"			1
	QHX2075-001	Wire Clamp			7

P.W. Board Parts of PC-D5

(Mecha. Control Circuit)

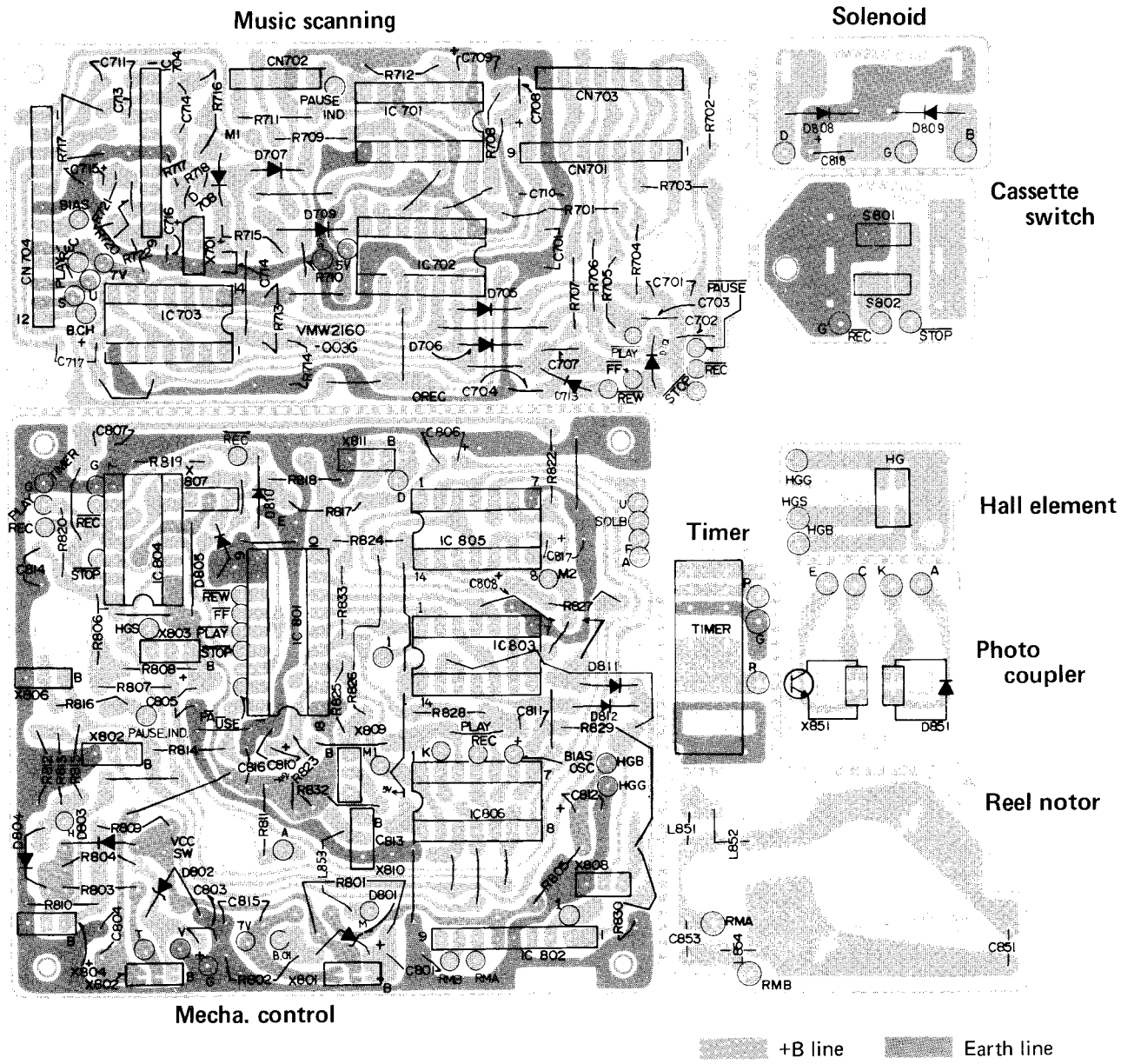


Fig. 71

P.W. Board Parts List (Mecha. Control Circuit)

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	VMW2160-003A	P.W. Board		1
IC801	VUC0002-001	I.C		1
IC802	BA6208A	"		1
IC803	M74LS00P	"		1
IC804	M74LS03	"		1
IC805,806	M74LS05P	"		2
X801,802	2SD439(E)	Transistor		2
X803,808	2SD636(S)	"	or 2SC1684(S)	2
X804,805,806,807,809	2SD636(R,S)	"		5
X810,811	2SD1021(J,H,R)	"		2
D801	HZ6C3	Zener Diode	or HZ6C2	1
D802	HZ6B	"		1

Ref. No.	Parts No.	Parts Name	Remarks		Q'ty
D803,804,808,809	10E1	Si. Diode			4
D805,807,810~313	1S2076	"	or MA150		6
R801,816	QRD147J-391S	C. Resistor	390Ω	1/4W	2
R803	QRD149J-100S	"	10Ω	"	1
R804	QRD147J-102S	"	1kΩ	"	1
R805	QRD141J-821S	"	820Ω	"	1
C801,804,807,812	QET41AR-227	E. Capacitor	220μF	10V	4
C802	QET41CR-108	E. Capacitor	1000μF	16V	1
C803	QET41HR-105	"	1μF	50V	1
C805	QET41AR-107	"	100μF	10V	1
C806	QET41ER-336	"	33μF	25V	1
C808	QET41AR-477	"	470μF	10V	1
C809,810	QEE41EM-105B	Tantal E. Capacitor	1μF	25V	2
C811	QEB41EK-335M	E. Capacitor	3.3μF	"	1
C813~816	QCF11EZ-223	C. Capacitor	0.022μF	"	4
C817	QET41AR-476	E. Capacitor	47μF	10V	1
C818	QET41CR-228	"	2200μF	16V	1
(Switch P.W. Board)					
S801,802	QSP0029-001	Push Switch			2
R751	QRD181J-680A	C. Resistor	68Ω	1/8W	1
(LED P.W. Board)					
X851	PN202S	Photo Transistor			1
D851	TLR108D	L.E.D			1
	VKZ4135-001	Spacer			1
	VYH4450-001	Photo Shell			1
(Hall G)					
H.G	VHE610G	Hall Element			1
(Reel Motor)					
L851,852	TAC000493-01	Inductor			2
C851,853	QEN41CA-106N	E. Capacitor	10μF	16V	2
(Solenoid P.W. Board)					
	VMW2160-003F	P.W. Board			1
(Timer Switch)					
S804	QSS2301-102	Slide Switch			1
L853	T41572-001	Inductor			1
(Music Scan)					
IC701	M74LS74P	I.C			1
IC702	M74LS14P	"			1
IC703	M74LS12P	"			1
IC704	BA335	"			1
X701	2SD636(S)	Transistor			1
D705~709,712,713	1S2076	Si. Diode			7
C701~703 705~707,710	QCF11EZ-223	C. Capacitor	0.022μF	25V	7
C704,715,716	QET41AR-476	E. Capacitor	47μF	10V	3
C708	QET41HR-335	"	3.3μF	50V	1
C709,714,717	QET41CR-106	"	10μF	16V	3
C711	QFM41HJ-222	M. Capacitor	0.0022μF	50V	1
C712	" -823	"	0.082μF	"	1
C713	" -223	"	0.022μF	"	1
CN701P	QMV5005-009	Connector			1
CN702P	" -005	"			1
CN703P	" -008	"			1
CN704P	QMV5004-012	"			1
R723	QRD141J-153S	C. Resistor	15kΩ	1/4W	1

Speaker Unit (PC-B5)

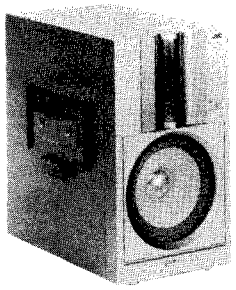


Fig. 72

Fig. 73

Speaker Parts List of PC-B5

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
1	VJC2031-002	Front Panel		2
2	VJF4004-001	Foot		4
3	VJD4443-001	Punching Panel		2
4	VJC2030-001	Speaker Case	Left	1
5	VJC2030-002	"	Right	1
6	VJD4479-001	Plate		2
7	VJF4009-001	Foot		4
8	VKL4878-002	Bracket		2
9	VYNA406-002	Name Plate		2
10	VKZ4145-001	Sound Absober		2
11	VJD4441-002	Fitting		2
12	" -001	"		2
13	VWE222-28A4ZR	Wire with Receptacle		2
14	VWE220-28A4ZR	"		2
15	VMJ4010-001	SPK Terminal		2
16	EAS10P195S	Speaker		2
17	VJD4442-001	Punching Panel		2
18	VKZ4148-001	Spacer		2
19	VJD3240-001	Panel		2
20	VNC5003-206	Serial Label		2
21	VKL3262-001	Slider		2
22	SSSA3012R	Screw		4
23	SDSA3012R	"		16
24	SDSA3014Z	"		12
25	SDBP4008RS	"		4

Portable Component System (PC-5)

Mounting and Connections

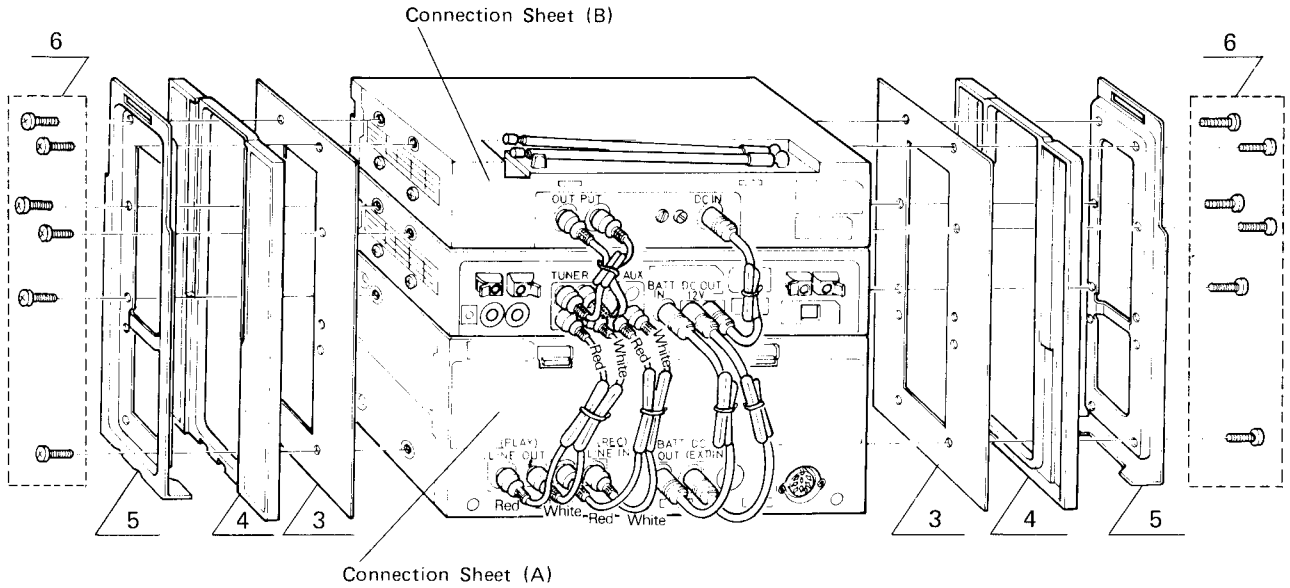


Fig. 74

Accessories (1)

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
1	VMP0009-001	DC Cord		3
2	VMP0008-001	PIN Cord		3
3	VKZ3101-001	Spacer		2
4	VJC2040-001	"		2
5	VKL2129-001	Frame		2
6	SDBP4008RS	Screw		12
	VND2001-001	Connection Sheet (A)		1
	VND2002-001	Connection Sheet (B)		1

Packing Material Parts List

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
7	VPH1219-001	Side Cushion	Left	1
8	VPH1220-001	"	Right	1
9	VPD7002-J08	Case	PC-5L	1
	VPD7002-J06	Case	PC-5LB	1
10	VPA2005-005	Box	for Accessories, PC-5L	1
	VPA2005-004	Box	for Accessories, PC-5LB	1
11	QPGB024-03404	Poly Bag	for Inst Book	1
12	QPGA012-01505	"	for Power Cord	1
13	QPGA010-01505	"	for Slider	1
14	V030859-007	Catalog Sack	for Warranty Card	1
15	VPK4136-004	Spacer		1
16	QPGA060-05005	Poly Bag	for Set	1
18	VPK4115-003	Spacer		1

Packing

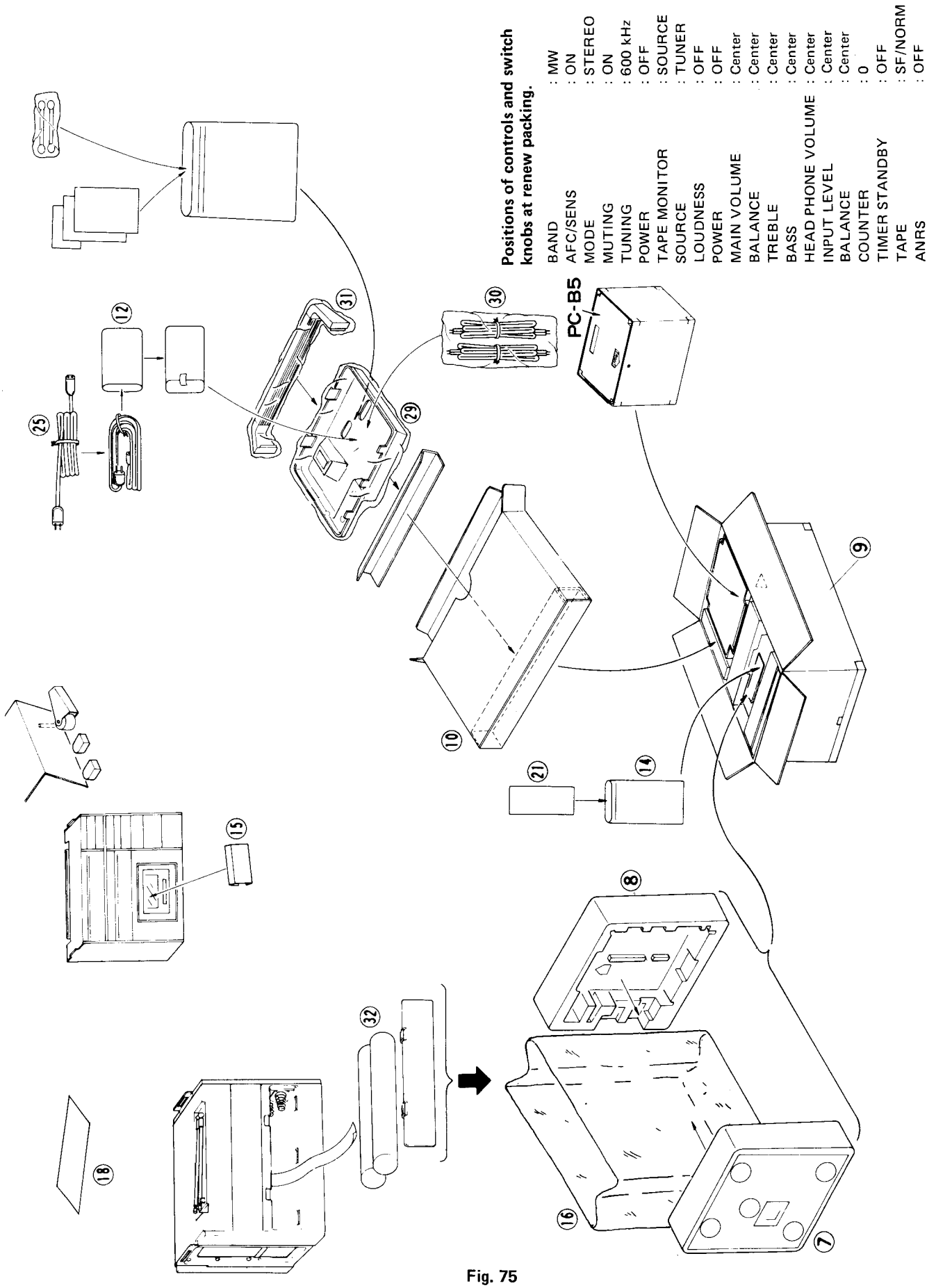
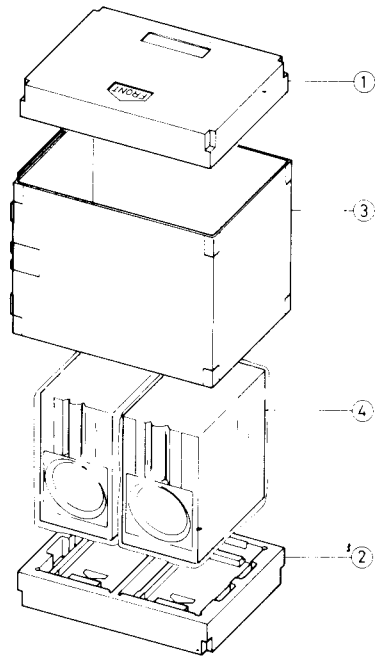
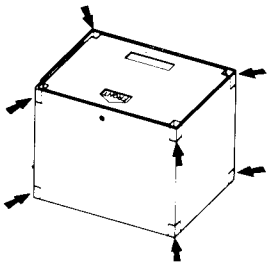


Fig. 75

Packing of Speakers (PC-B5)





After packing, push in the direction of 8 arrow marks.

Fig. 76

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
1,2	VPH1221-001	Cushion		2
3	VPA2006-002	Sleeve		1
4	QPGA040-05005	Poly Bag		2

Accessories (2)

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
22	VNF0810-001	Features Tag	PC-5L	1
	VNF0811-001	Features Tag	PC-5LB	1
23	VNM0812-301	Instruction Book		1
25	QMP9017-009BS	Power Cord	PC-5LB	1
	QMP3950-183	"	PC-5L	1
26	VYA4001-00A	Head Cleaning Stick		1
28	SDBP4008RS	Screw		12
29	VJC1154-002	Rear Cover		1
30	VMP0013-001	Speaker Cord		1
31	VJH3019-00A	Handle Ass'y		1
32	VYH3002-001	Battery Pipe		2
	VGT12M2-J02	Cassette Tape		1
	VND4045-003	Label	PC-5L	1
	VND4045-002BS	Label	PC-5LB	1

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Supplementary

SERVICE MANUAL

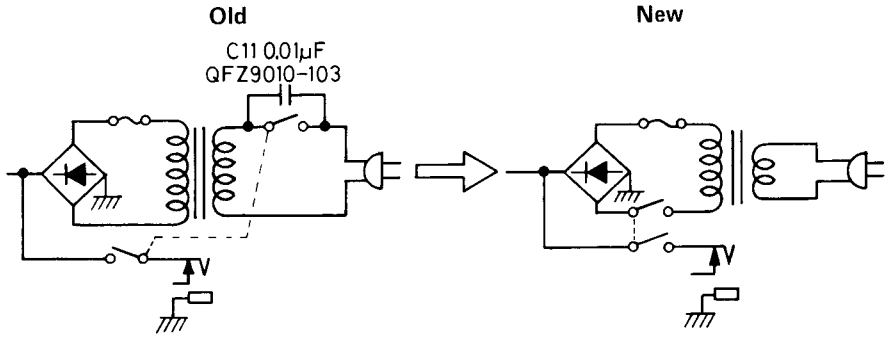
MODEL PC-5 L/LB

PORTABLE COMPONENT SYSTEM

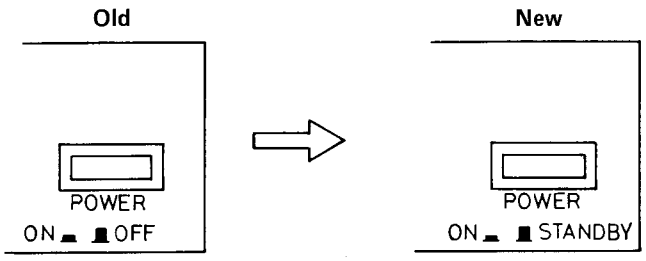
Subject ; Change of power supply circuit

Please take care of the following matters to improve performance.

1. Schematic diagram of power supply circuit.



2. Front panel character.



* Affected Serial No.
PC-A5LB #1501 ~
PC-A5L #6046 ~

No. 1443-B
April 1981