SHARP SERVICE MANUAL

No. S3607GX-CD130

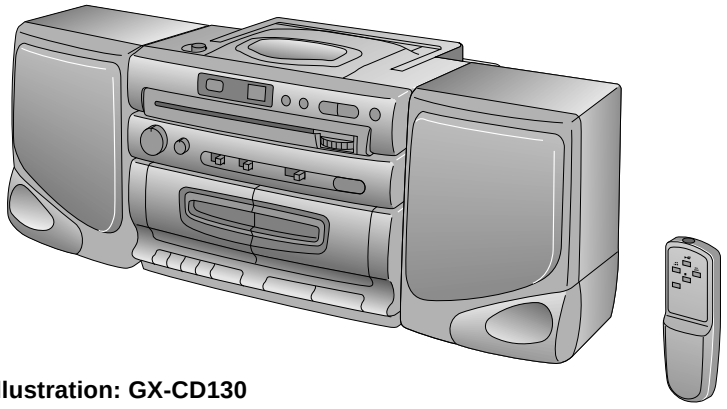


Illustration: GX-CD130

GX-CD30
GX-CD30C
GX-CD130
GX-CD130C

COMPACT disc DIGITAL AUDIO

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

CONTENTS

DIFFERENCE BETWEEN GX-CD30/30C AND GX-CD130/130C

	GX-CD30/30C	GX-CD130/130C
REMOTE CONTROL	None	Used
X-BASS	None	Used

SHARP CORPORATION
SHARP ELECTRONICS CORPORATION
Service Headquarters: Sharp Plaza, Mahwah, New Jersey 07430-2135

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

IMPORTANT SERVICE NOTES (FOR GX-CD30/130 ONLY)

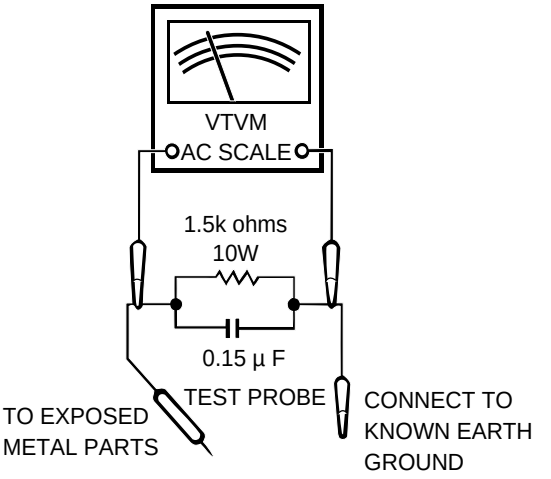
BEFORE RETURNING THE AUDIO PRODUCT

(Fire & Shock Hazard)

Before returning the audio product to the user, perform the following safety checks.

1. Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the audio product.
2. Inspect all protective devices such as insulating materials, cabinet, terminal board, adjustment and compartment covers or shields, mechanical insulators etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.

* Plug the AC line cord directly into a 120 volt AC outlet.
* Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15µF capacitor in series with all exposed metal cabinet parts and a known earth ground, such as conduit or electrical ground connected to earth ground.
* Use a VTVM or VOM with 1000 ohm per volt, or higher, sensitivity to measure the AC voltage drop across the resistor (See diagram).
* Connect the resistor connection to all exposed metal parts having a return path to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.



All check must be repeated with the AC line cord plug connection reversed.

Any reading of 0.3 volt RMS (this corresponds to 0.2 milliamp. AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the audio product to the owner.

SPECIFICATIONS

● General

Power source:	AC 120V, 60 Hz DC 12 V ["D" size (UM/SUM-1, R20 or HP-2) battery x 8]
Power consumption:	25 W
Output power: **(30/130)**	FTC; 2.5 W minimum RMS per channel into 6 ohms from 100 Hz to 20 kHz with no more than 10 % total harmonic distortion. RMS; 3.5 W per channel at 1 kHz, 10 % total harmonic distortion. (AC operation)
Output power: **(30C/130C)**	RMS; 7 W (3.5 W + 3.5 W) (AC operation, 10 % T.H.D.)
Output terminal:	Headphones; 16 - 50 ohms (recommended; 32 ohms)
Dimensions:	Width; 12" (304 mm) Height; 9-1/4" (234 mm) Depth; 8-9/16" (216 mm)
Weight:	7.1 lbs. (3.2 kg) without batteries

● Radio

Frequency range:	FM; 87.6 - 108 MHz AM; 530 - 1,702 kHz

● Tape recorder

Frequency response:	50 - 14,000 Hz (Normal tape)
Signal/noise ratio:	50 dB (TAPE 1, recording / playback) 55 dB (TAPE 2, playback)
Wow and flitter:	0.25 % (WRMS)
Motor:	DC 12 V electric governor
Bias system:	AC bias
Erase system:	AC erase

● Compact disc player

Disc:	Compact disc
Signal readout:	Non-contact, 3-beam semi-conductor laser pickup
Audio channels:	2
Quantization:	16-bit linear
Filter:	4-tims oversampling digital filter
D/A converter:	1-bit D/A converter
Wow and flutter:	Unmeasurable (less than 0.001% W. peak)

● Speaker

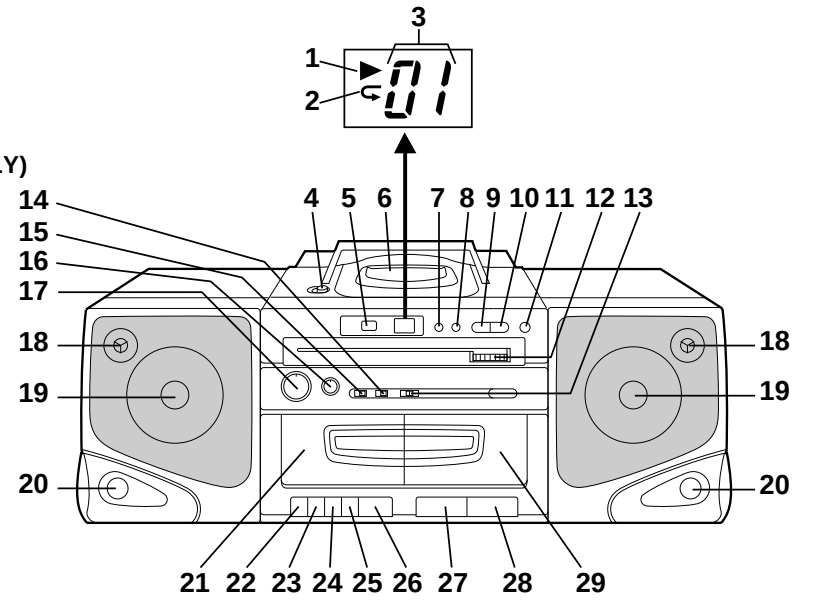
Type:	2-way bass-reflex type
Speakers:	4" (10 cm) woofer x 2 Tweeter x 2
Maximum input power:	5 W
Impedance:	6 ohms
Dimensions:	Width; 7-5/16" (185 mm) Height; 8-11/16" (220 mm) Depth; 5-15/16" (150 mm)
Weight:	2.2 lbs. (1.0 kg) /each

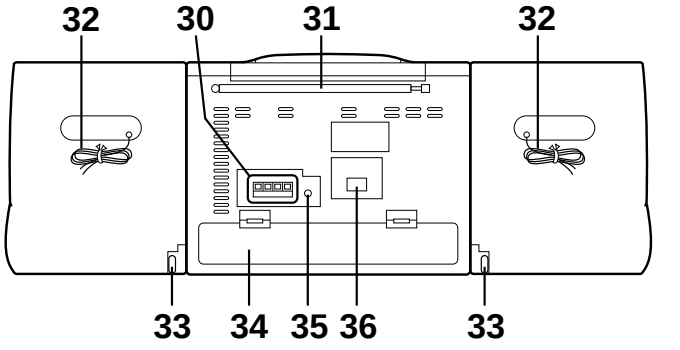
Specifications for this model are subject to change without prior notice.

NAMES OF PARTS

■ Main Unit

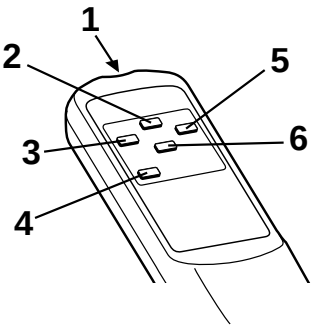
1. CD Play Indicator: ▶
2. CD Repeat Indicator: ⊂
3. CD Track Number Indicator
4. CD Eject Button: ⏏
5. Remote Control Sensor (GX-CD130/130C ONLY)
6. CD compartment
7. (CD) Track Down/Review Button: ⏮ / ◀◀
8. (CD) Track Up/Cue Button: ⏭ / ▶▶
9. (CD) Stop Button: ■
10. (CD) Play/Repeat Button: ▶⊂
11. (CD) Pause Button: ⏸
12. Tuning Control
13. Power/Function/Band Selector Switch
14. Beat Cancel Switch
15. X-Bass Switch (GX-CD130/130C ONLY)
16. Tone Control
17. Volume Control
18. Tweeter
19. Woofer
20. Bass Reflex Port
21. (TAPE1) Cassette Compartment
22. (TAPE1) Record Button: ●
23. (TAPE1) Play Button: ▶
24. (TAPE1) Rewind Button: ◀◀
25. (TAPE1) Fast Forward Button: ▶▶
26. (TAPE1) Stop Eject Button: ■ / ⏏
27. (TAPE2) Play Button: ▶
28. (TAPE2) Stop Eject Button: ■ / ⏏
29. (TAPE2) Cassette Compartment
30. Speaker Terminals
31. FM Telescopic Rod Aerial
32. Speaker Wire
33. Speaker Release Lever
34. Battery Compartment
35. Headphones Socket
36. AC Power Input Socket





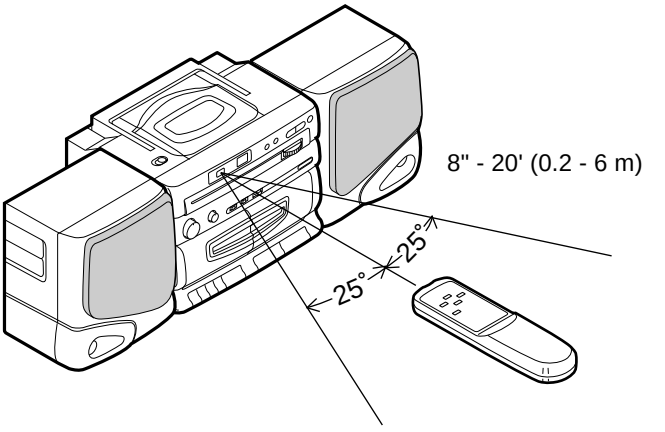
■ Remote Control (GX-CD130/130C ONLY)

1. Remote Control Transmitter LED
2. (CD) Play/Repeat Button: ▶⊂
3. (CD) Track Down /Review Button: ⏮ / ◀◀
4. (CD) Pause Button: ⏸
5. (CD) Track Up/Cue Button: ⏭ / ▶▶
6. (CD) Stop Button:■



Notes concerning use:

- Periodically clean the transmitter LED on the remote control and the sensor on the main unit with a soft cloth.
- Exposing the sensor on the main unit to strong light may interfere with operation. Change the lighting or the direction of the unit.
- Keep the remote control away from moisture, excessive heat, shock, and vibrations.



DISASSEMBLY

Caution on Disassembly
Follow the below-mentioned notes when disassembling the unit and reassembling it, to keep it safe and ensure excellent performance:
1. Take cassette tape and compact disc out of the unit.
2. Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit.
3. Take off nylon bands or wire holders where they need be removed when disassembling the unit. After servicing the unit, be sure to rearrange the leads where they were before disassembling.
4. Take suffcient care on static electricity of integrated circuits and other circuits when servicing.

STEP	REMOVAL	PROCEDURE	FIGURE
UNIT			
1	Front Cabinet	1. Screw ..... (A1) x7 2. Socket ..... (A2) x1 3. Flat Cable ..... (A3) x1	4-1
2	Top Cabinet (with CD Block)	1. Open the CD lid. 2. Screw ..... (B1) x5 3. Flat Cable ..... (B2) x2 4. Tip ..... (B3) x1	 4-2 4-2, 4-3 4-2
3	Tuner PWB (with Tuner Frame)	1. Screw ..... (C1) x3 2. Flat Cable ..... (C2) x1	4-3
4	Main PWB	1. Screw ..... (D1) x1 2. Knob ..... (D2) x2 3. Flat Cable ..... (D3) x1	4-3
5	Deck PWB	1. Screw ..... (E1) x3 2. Socket ..... (E2) x3	4-3
6	Tape Mechanism	1. Open the cassette holder. 2. Screw ..... (F1) x6	 5-1
7	Display PWB (with CD control Button)	1. Screw ..... (G1) x2 2. Hook ..... (G2) x3 3. Flat Cable ..... (G3) x1	5-2 4-2
8	Switch PWB	1. Screw ..... (H1) x1	5-2
9	CD Servo PWB	1. Screw ..... (J1) x3 2. Socket ..... (J2) x3	5-2
10	CD Mechanism	1. Screw ..... (K1) x3	5-3
11	Power PWB/ Terminal PWB	1. Open the battery lid. 2. Screw ..... (L1) x4 3. Hook ..... (L2) x1	 5-4
SPEAKER			
1	Front Panel	1. Screw ..... (A1) x4	5-5

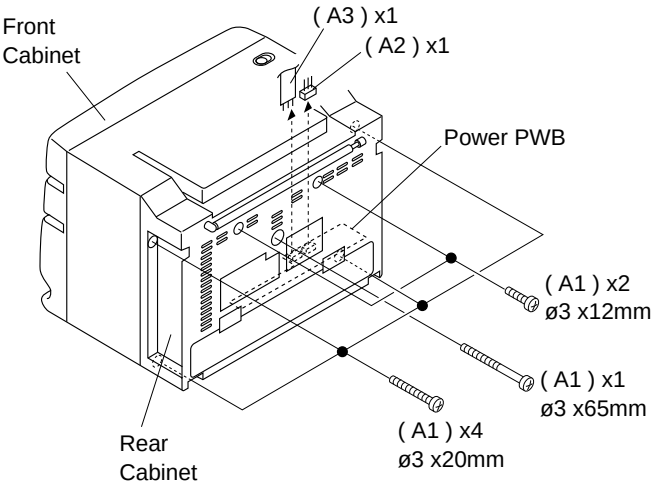


Figure 4-1

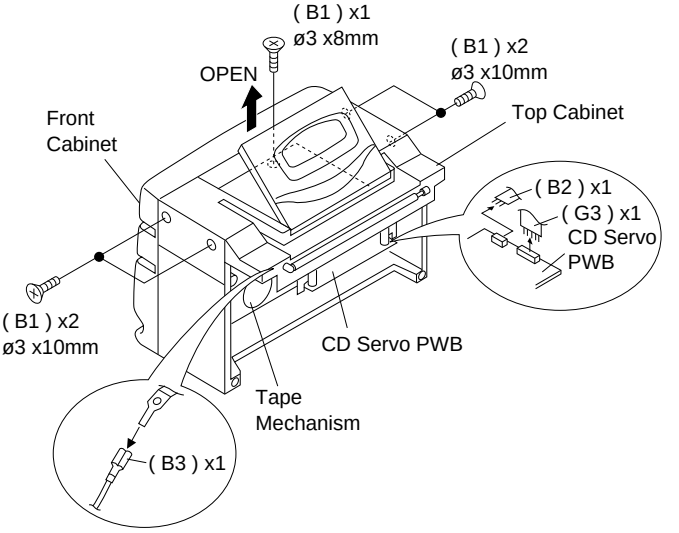


Figure 4-2

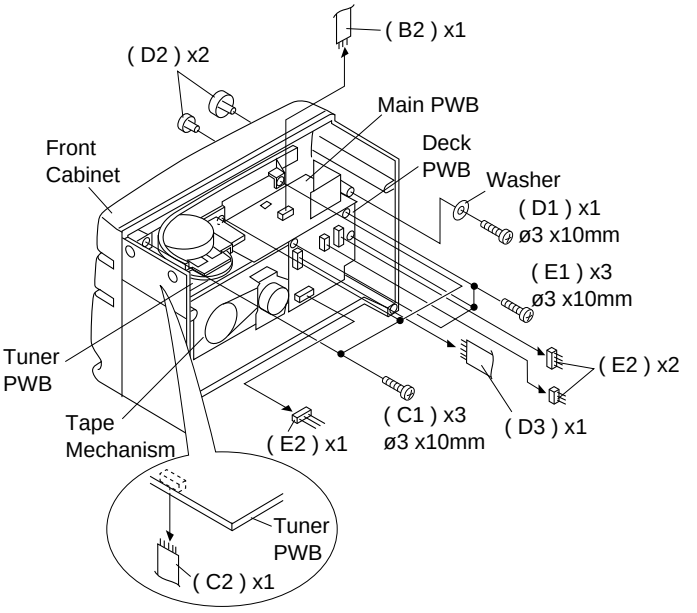


Figure 4-3

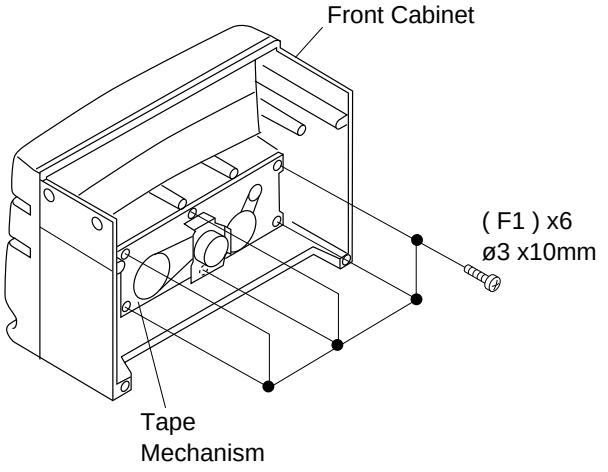


Figure 5-1

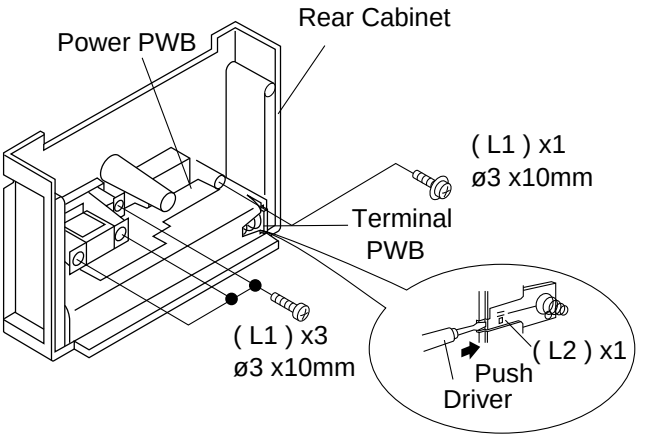


Figure 5-4

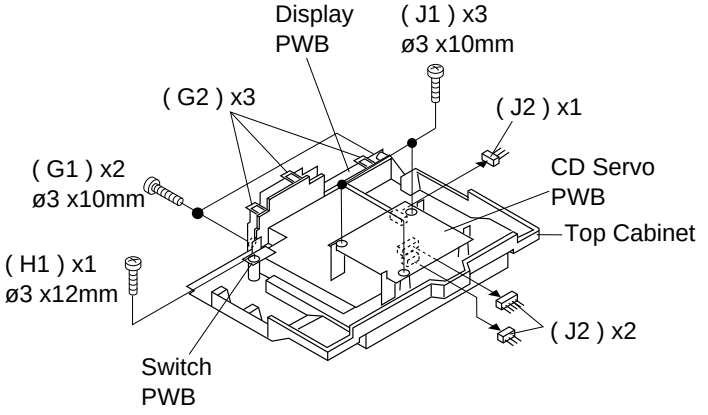


Figure 5-2

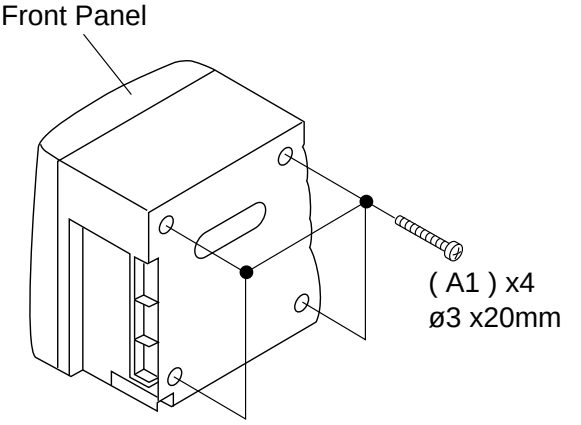


Figure 5-5

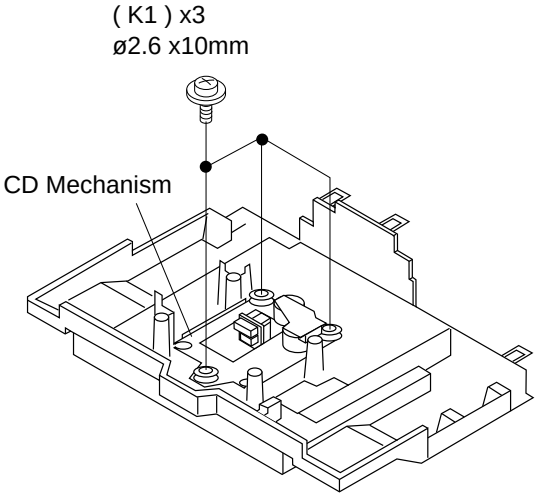


Figure 5-3

REMOVING AND REINSTALLING THE MAIN PARTS

TAPE MECHANISM SECTION

Perform steps 1, 2, 3, 4, 5 and 6 of the disassembly method to remove the tape mechanism.

How to remove the record/playback and erase heads (TAPE 1) (See Fig. 6-1.)

1. Carefully bend the record/playback head pawls (A1) x 2 pcs., in the direction of the arrow Ⓐ, and remove the record/playback head upwards.
2. Remove the screws (B1) x 2 pcs., to remove the erase head.

How to remove the playback head (TAPE 2) (See Fig. 6-2.)

1. Carefully bend the playback head pawls (C1) x 2 pcs., in the direction of the arrow Ⓑ, and remove the playback head upwards.

How to remove the pinch roller (TAPE 1/2) (See Fig. 6-3.)

1. Carefully bend the pinch roller pawl in the direction of the arrow Ⓒ, and remove the pinch roller (D1) upwards.

How to remove the belt (TAPE 1) (See Fig. 6-4.)

1. Remove the main belt (E1) x 1 pc., from the motor side.
2. Remove the FF/REW belt (E2) x 1 pc.

How to remove the belt (TAPE 2) (See Fig. 6-4.)

1. Remove the tape 2 main belt (E1) x 1pc., from the motor side.
2. Remove the tape 1 main belt (F1) x 1pc., from the motor side.

How to remove the motor (See Figs. 6-5 and 6-6.)

1. Remove the belt.
2. Remove the screws (G1) x 4 pcs., to remove the motor fixture.
3. Remove the screws (G2) x 2 pcs., to remove the motor.

Note:

When mounting the motor, pay attention to the motor mounting angle.

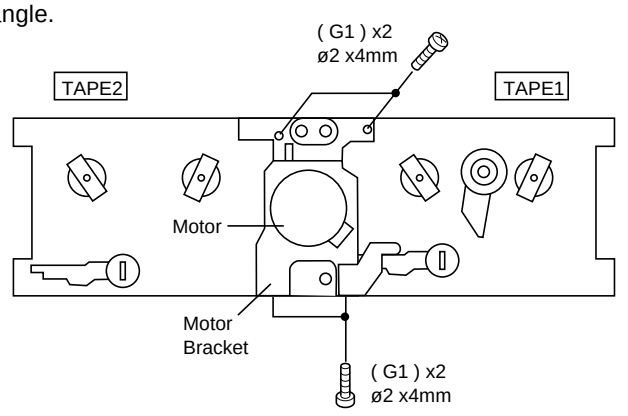


Figure 6-5

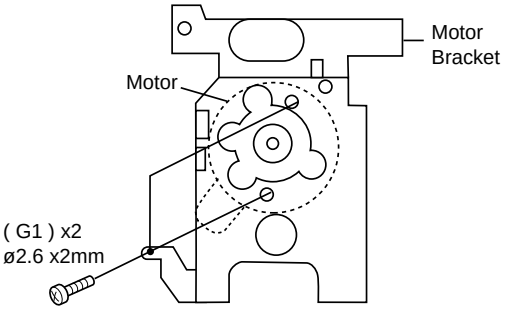


Figure 6-6

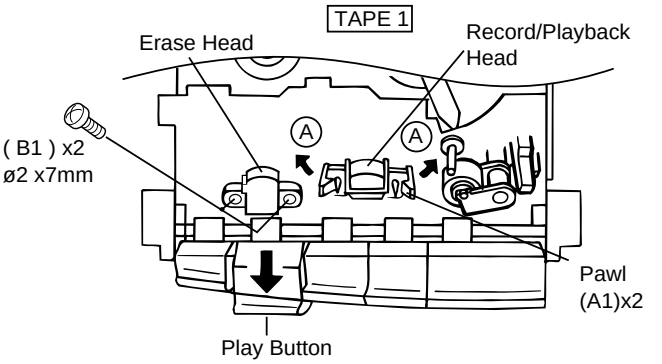


Figure 6-1

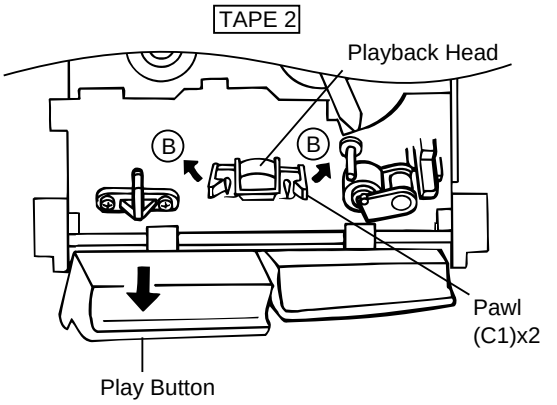


Figure 6-2

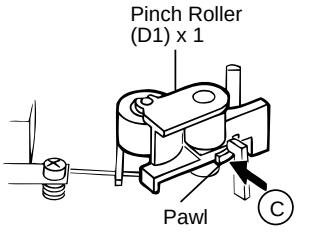


Figure 6-3

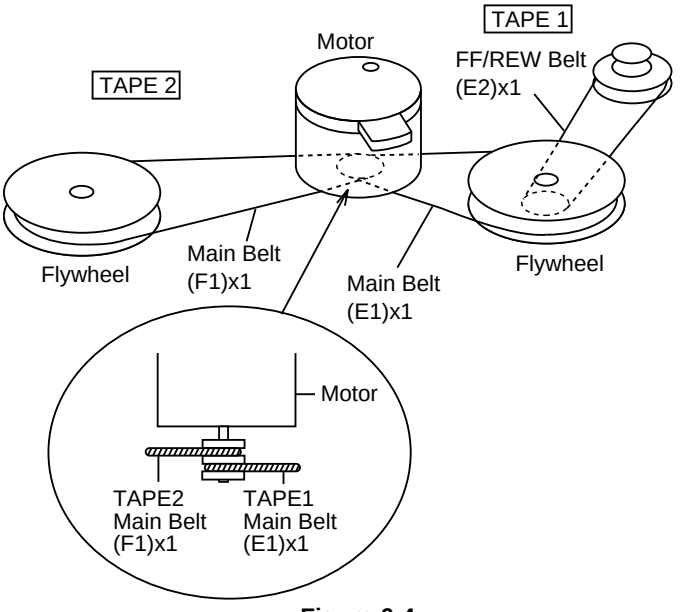


Figure 6-4

CD MECHANISM SECTION

Perform steps 1, 2, 9 and 10 of the disassembly method to remove the CD mechanism.

How to remove the pickup (See Fig. 7-1.)

1. Remove the hooks (F1) x 4 pcs., to remove the CD cover.
2. Remove the screws (F2) x 2 pcs., to remove the shaft (F3) x1 pc.
3. Remove the stop washer (F4) x1 pc., to remove the gear (F5) x 1 pc.
4. Remove the pickup.

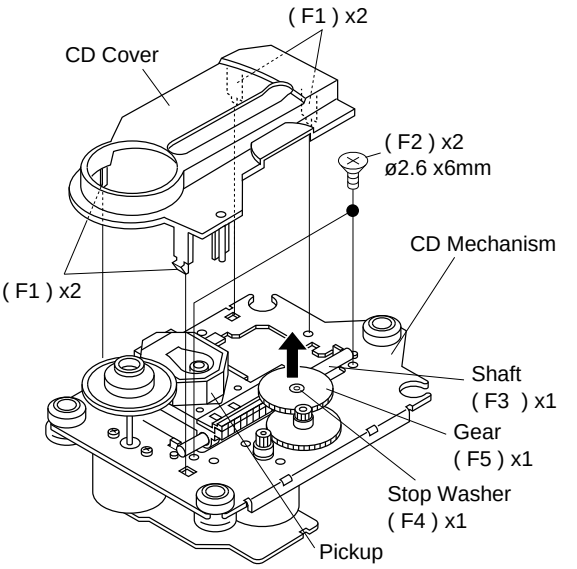


Figure 7-1

FITTING OF DIAL POINTER

1. Remove the three screws, and remove the tuner PWB from the tuner frame. (See Fig. 7-2)
2. Turn fully the dial wheel in the Ⓐ direction. (See Fig. 7-3)
3. Set the dial pointer as shown in Figure 7-2, and mount the tuner PWB.

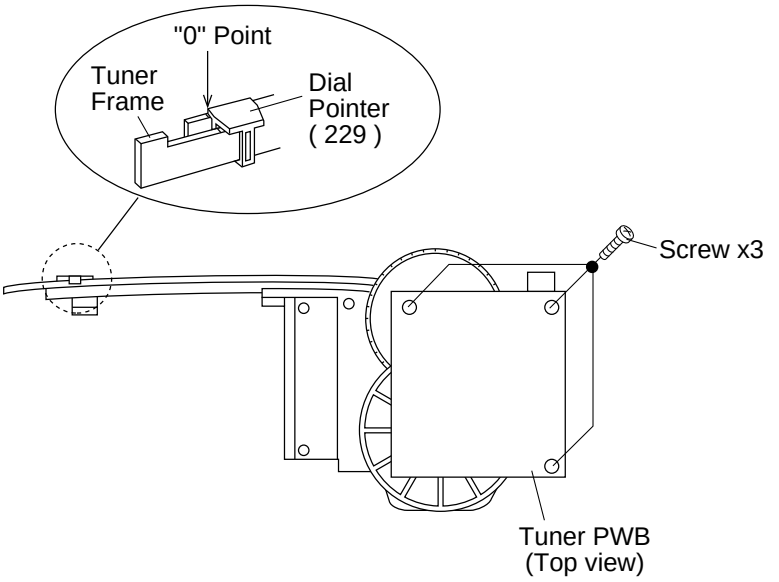


Figure 7-2

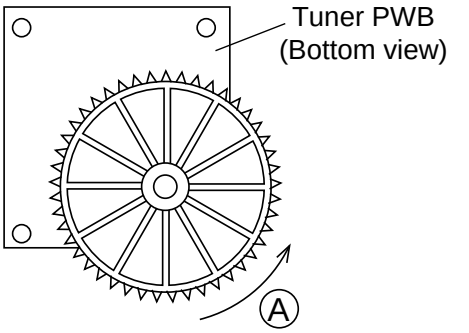


Figure 7-3

ADJUSTMENT

MECHANISM SECTION

• Driving Force Check

Torque Meter	Specified Value
PLAY: TW-2412	Tape 1: Over 50 g Tape 2: Over 100 g

• Torque Check

Torque Meter	Specified Value	
	Tape 1	Tape 2
Play: TW-2111	30 to 60 g.cm	30 to 60 g.cm
Fast Forward: TW-2231	————	80 to 135 g.cm
Rewind: TW-2231	————	80 to 135 g.cm

• Tape Speed

	Test Tape	Specified Value	Instrument Connection
Nomal speed	MTT-111	3,000 ± 30 Hz	Speaker terminal (Load resistance: 6 ohms)

TAPE SECTION

Position of each switch or control	
Volume control	Max
Beat cancel	A
Function/Power switch	Tape/Off

• Bias Oscillation Check

	Specified Value
Beat cancel	A: 82 + 10 kHz / -6 kHz B: -2 ± 2 kHz C: +3 ± 2 kHz

• Erase Current Check

	Specified Value
Resistor for measurement: 1 ohm	50 ± 25 mV

• Playback Amplifier Sensitivity Check

Test Tape	Specified Value	Instrument Connection
MTT-118	1.8 V ± 3 dB	Speaker Terminal (Load resistance: 6 ohms)

TUNER SECTION

fL: Low-range frequency
fH: High-range frequency

• FM IF/RF

Test Stage	Specified Value/Adjusting Point	Instrument Connection
IF	T1	Input: Pin 1 of IC1 Output: Pin 17 of IC2
Detection	T2	
Band Coverage	fL: L2 fH: TC2	Iuput: Antenna Output: Headphones Socket (Load resistance: 32 ohms)
Tracking	88.0 MHz: L1 108.0 MHz: TC1	

• AM IF/RF

Test Stage	Specified Value/Adjusting Point	Instrument Connection
IF	T3	Input: Antenna Output: Pin 19 of IC2
Band Coverage	fL: L4 fH: TC4	Input: Antenna Output: Headphones Socket (Load resistance: 32 ohms)
Tracking	600 kHz: L3 1,400 kHz: TC3	

• VCO Frequency

Adjusting Point	Specified Value	Instrument Connection
VR1	76 kHz ± 200 Hz	Pin 13, pin 21 and ground of IC2

Note:
After preparing the test circuit shown in Fig. 8-1, connect the Pin 13, Pin 21 and ground of the IC2 with the test circuit, and measure the value. At this time, apply a standard unmodulated signal input and adjust the VCO.

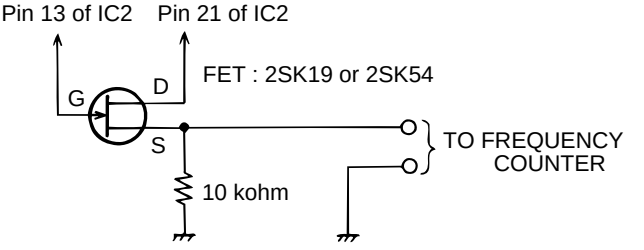


Figure 8-1 VCO FREQUENCY TEST CIRCUIT

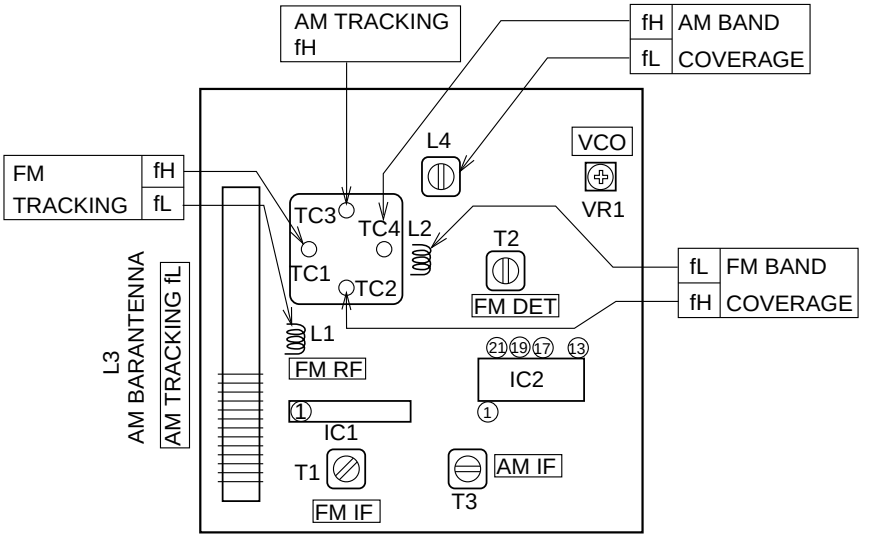


Figure 8-2 ADJUSTMENT POINTS

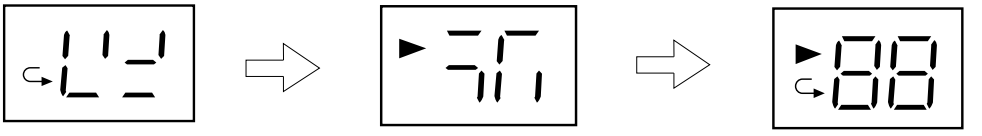
CD SECTION

Since this CD system incorporates the following automatic adjustment function, when the pickup is replaced, it is necessary to reajust it.
Since this CD unit does not need adjustment, the combination of PWB and laser pickup unit is not restricted.

TEST MODE

Start		While holding down the "STOP" button, move the FUNCTION/POWER switch to "CD". Then, release the "STOP" button and, within 0.5 second, press the PAUSE button.
Note		1. When the CD LID switch is in the OFF position, the unit will be able to enter the test mode. However, playback cannot be performed in this mode. 2. You can only move the pickup. 3. The LCD display should be the same as it is for normal CD operations.
Operation	1	The use of the "UP/CUE" button will move the pickup to the outermost position. The use of the "DOWN/REVIEW" button will move the pickup to the innermost position.
	2	When the "PLAY" button is pressed, the laser will be lit, and when the "STOP" button is pressed, it will be turned off. Playback will also start and stop when these buttons are pressed.
		a. If the "PLAY" button is pressed while in the stop mode, the laser will simply be turned on at first. b. If the laser is lit and the "PLAY" button is pressed again, playback will start from the current pickup position. c. If the "STOP" button is pressed, playback will stop. When pressed again, the laser will be turned off.
	3	Turning the tracking servo on or off.
		a. Each time the PAUSE button is pressed during playback, the tracking servo will be turned on or off. (Note: If the PLAY button is pressed while in the stop mode, the tracking servo will automatically be turned on.)

LCD MODE

Start	While holding down the "STOP" button, move the FUNCTION/POWER switch to "CD". Then, release the "STOP" button and, within 0.5 second, press the PAUSE button.
Display	① → 1 second → ② → 1 second → ③  * After the number ③ has appeared in the display, each time the "UP/CUE" button is pressed, the display will switch in the following order: ①, ②, and then ③.

TROUBLESHOOTING (CD SECTION)

When the CD does not function

When the CD section does not operate When the objective lens of the optical pickup is dirty,this section may not operate.Clean the objective lens,and check the playback operation.When this section does not operate even after the above step is taken,check the following items.
Remove the cabinet and follow the troubleshooting instructions.
"Track skipping and/or no TOC(Table Of Contents) may be caused by build up of dust other foreign matter on the laser pickup lens. Before attempting any adjustment make certain that the lens is clean. If not, clean it as mentioned below."

Turn the power off.
Gently clean the lens with a lens cleaning tissue and a small amount of isopropyl alcohol.
Do not touch the lens with the bare hand.

• The CD function will not work.

The CD operating keys don't work.

Yes

Check the CD, DPS microcomputer (IC701), power supply, 4.19 MHz and 16.93 MHz clock, and reset terminal.

Yes

Check the waveform of SCK, SO (DATA) and SI (COMM).

Yes

See if the pick-up is in the pick-up in SW702 position.

Yes

If the items mentioned above are OK, check the main microcomputer IC701.

• The CD operating keys work.

Check the Focus - HF system.

Playback can be performed without a disc.

Yes

Does the pick-up move up and down twice?

Yes → Focus search OK.

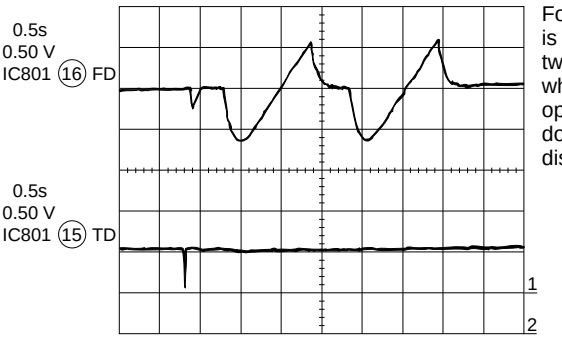
No

Does the output waveform of IC801(16)(FD) match that shown in Fig. 10?

Yes → Check the area around IC804-BI801/CNS801.

No

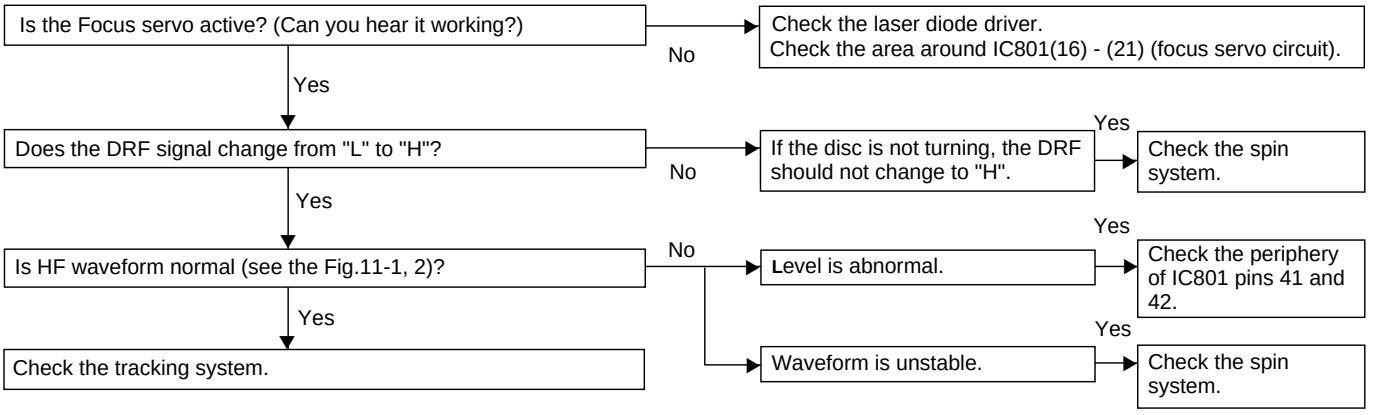
Check the IC801(50)(CLK) line, 4MHz.
Check the microcomputer data on pins (51)(CL), (52)(DAT) and (53)CE.



Focus search is performed two times when play operation is done without disc.

Figure 10

• Playback can only be performed when a disc is loaded.



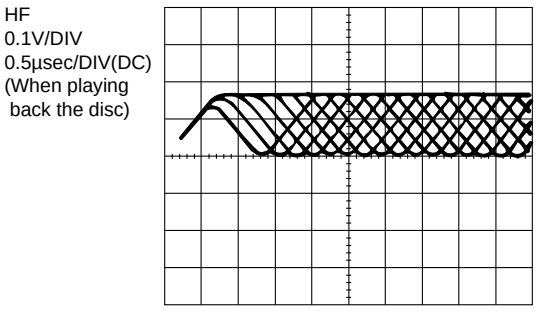


Figure 11-1

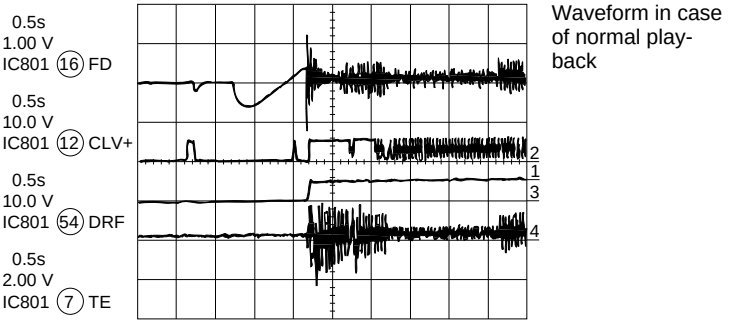


Figure 11-2

• Check the tracking system.

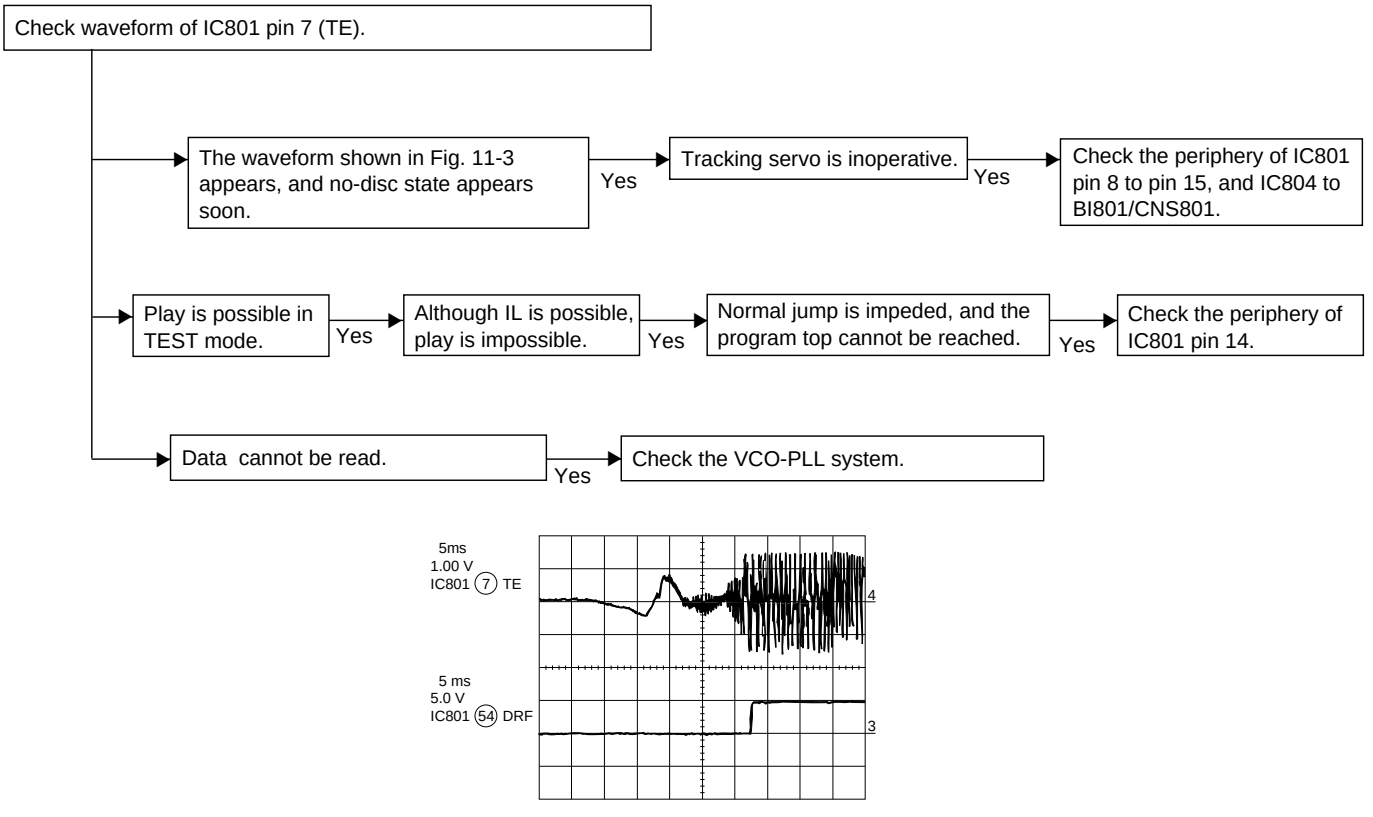


Figure 11-3

• Checking the spin system.

Play operation is performed without disc.

Yes

The turntable rotates a little. → Yes → The spin driver circuit is normal.

No

The turntable fails to rotate or rotates at high speed. → Yes → Check the periphery of IC801 pins 23 to 27, pin 39 and pin 40, IC802 pin 12 and pin 13, IC804 to BI803/CNS803.

• Checking the VCO-PLL system

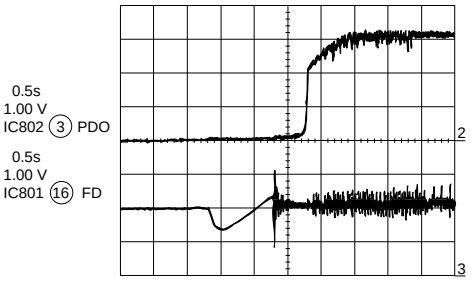
Play operation is performed when disc exits.

Yes

Although HF waveform is normal, TOC data cannot be read. → Yes → Check PDO waveform (Fig. 12).

Error

Check the IC801 pins 43 and 44, IC802 pins 3, 5, 7, 9 and 10.



Stop --> Play
As VCO frequency is locked at 4.32 M Hz, voltage of PDO rises and stabilizes.

Figure 12

• Although HF waveform is normal and the time indication is normal, no sound is emitted.

Check IC802 pin 48 (EFLG). → No → Usually, the number of pulses of flawless disc is 100 pulses/sec or less.

Yes

Check IC802 pins 37and 40.

Abnomal

Check the periphery of IC803 (OPAMP).

NOTES ON SCHEMATIC DIAGRAM

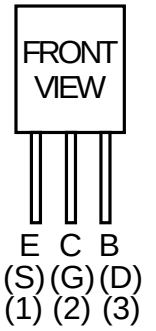
- Resistor:
  To differentiate the units of resistors, the symbol as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is an ohm resistor. The resistor designated "Fusible" is a fuse type resistor
- Capacitor:
  To indicate the unit of capacitor, a symbol P is used: this symbol P means micro-micro-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression “capacitance/withstand voltage” is used.
  (CH), (TH), (RH), (UJ): Temperature compensation
  (ML): Mylar type
  (P.P.): Polypropylene type
- The indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.

1. Tuner
   ( ): AM mode
   Marking except for ( ): FM mode
2. CD
   ( ): Play mode
   Marking except for ( ): Stop state
3. Deck section
   ( ): Record mode
   Marking except for ( ): Playback mode
   Display / Control section:
   ( ): Active state
   Marking except for ( ): CD Function mode at stop state

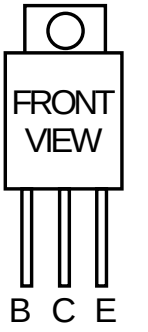
- Schematic diagram and Wiring Side of P.W.Board for this model are subject to change for improvement without prior notice.
- Parts marked with “ ⚠ ” (⊏ ⎓ ⊐) are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

REF. NO	DESCRIPTION	POSITION
SW201	RECODE/PLAYBACK	OFF
SW351	BEAT CANCEL	A
SW500	X-BASS [130/130C ONLY]	OFF
SW501	POWER/FUNCTION	OFF
SW605	TAPE 1 MAIN	OFF
SW606	TAPE 2 MAIN	OFF
SW607	TAPE1/2 SELECTOR	OFF

REF. NO	DESCRIPTION	POSITION
SW702	PICKUP IN	OFF
SW761	CD LID OPEN/CLOSE	OFF
SW771	CD-PLAY/REPEAT	OFF
SW772	CD-STOP	OFF
SW773	CD-UP/CUE	OFF
SW774	CD-DOWN/REVIEW	OFF
SW775	CD-PAUSE	OFF



2SC2001 K
2SD468 C
KRA102 M
KRC102 M
KTA1266 GR
KTC3199 GR



2SD2394 F

Figure 13 TYPES OF TRANSISTOR

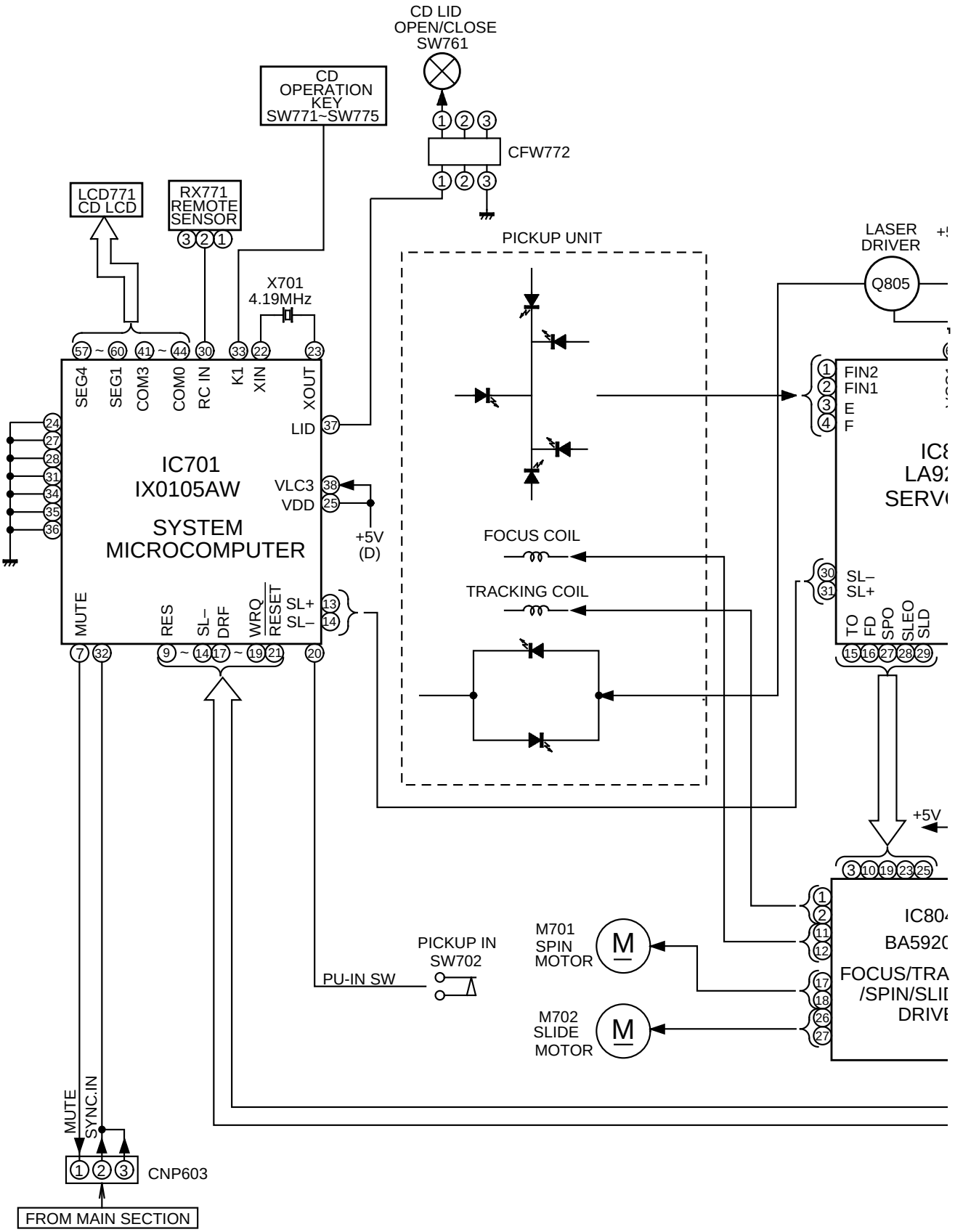


Figure 14 BLOCK DIAGRAM (1/4)

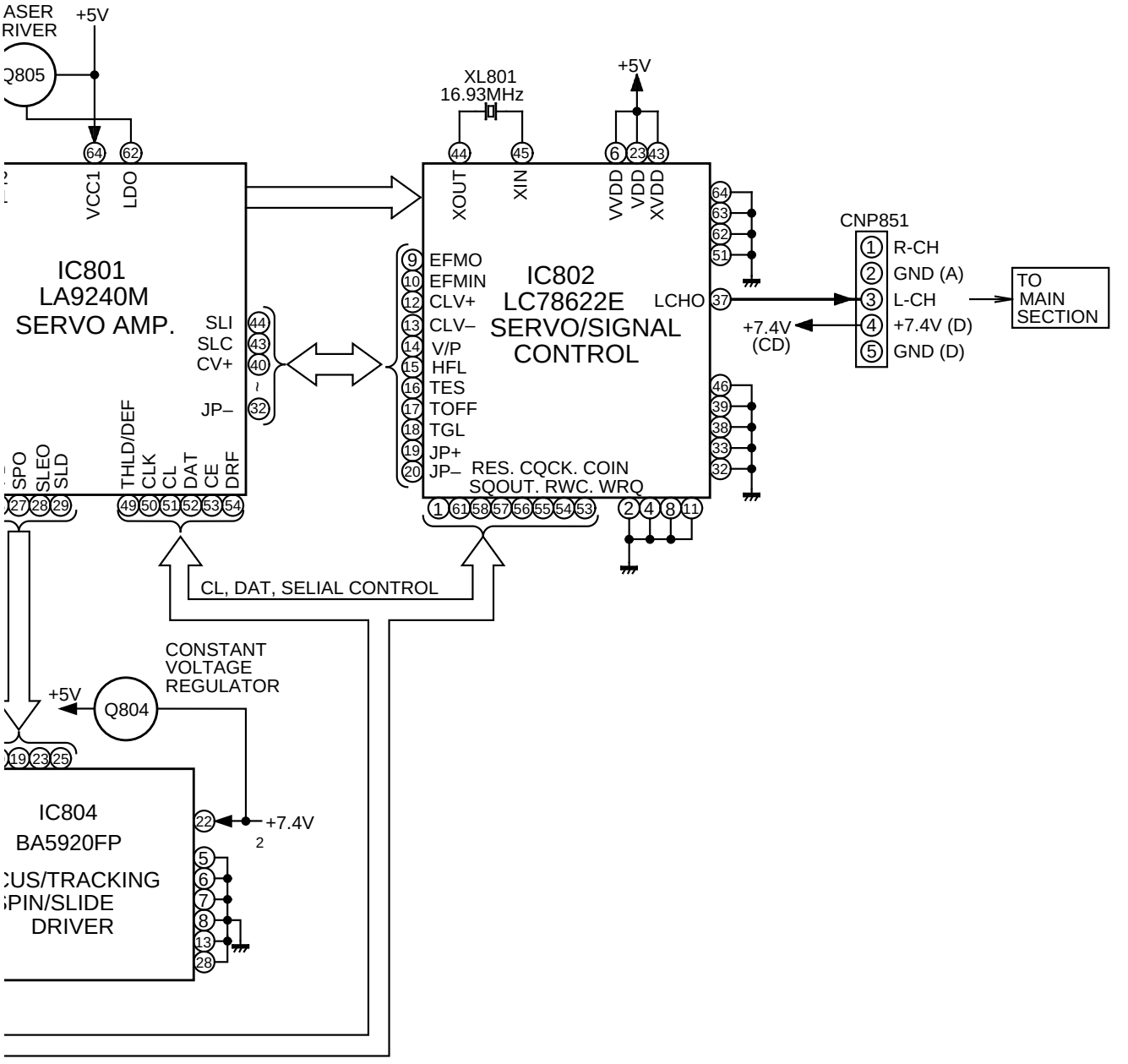


Figure 15 BLOCK DIAGRAM (2/4)

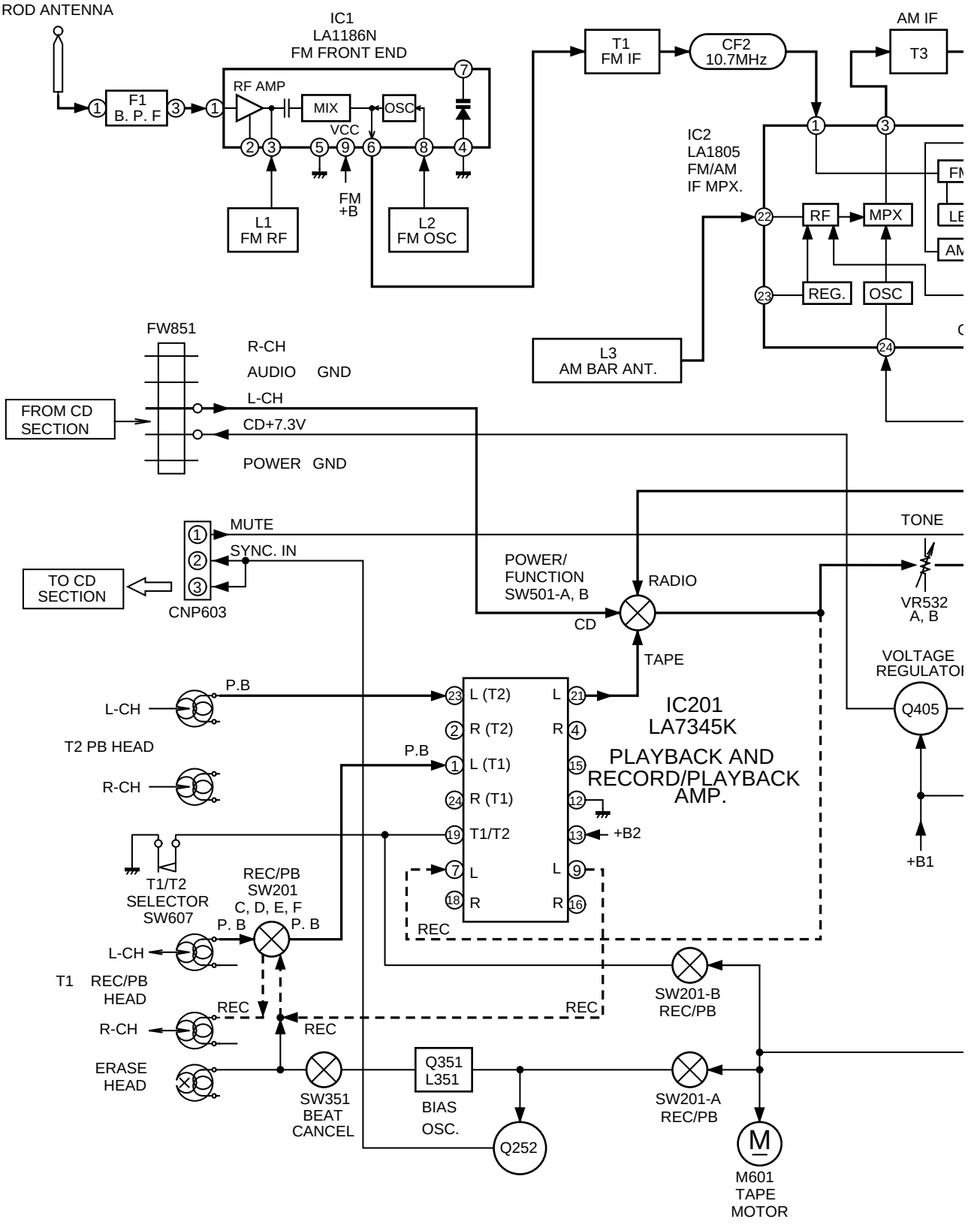


Figure 16 BLOCK DIAGRAM (3/4)

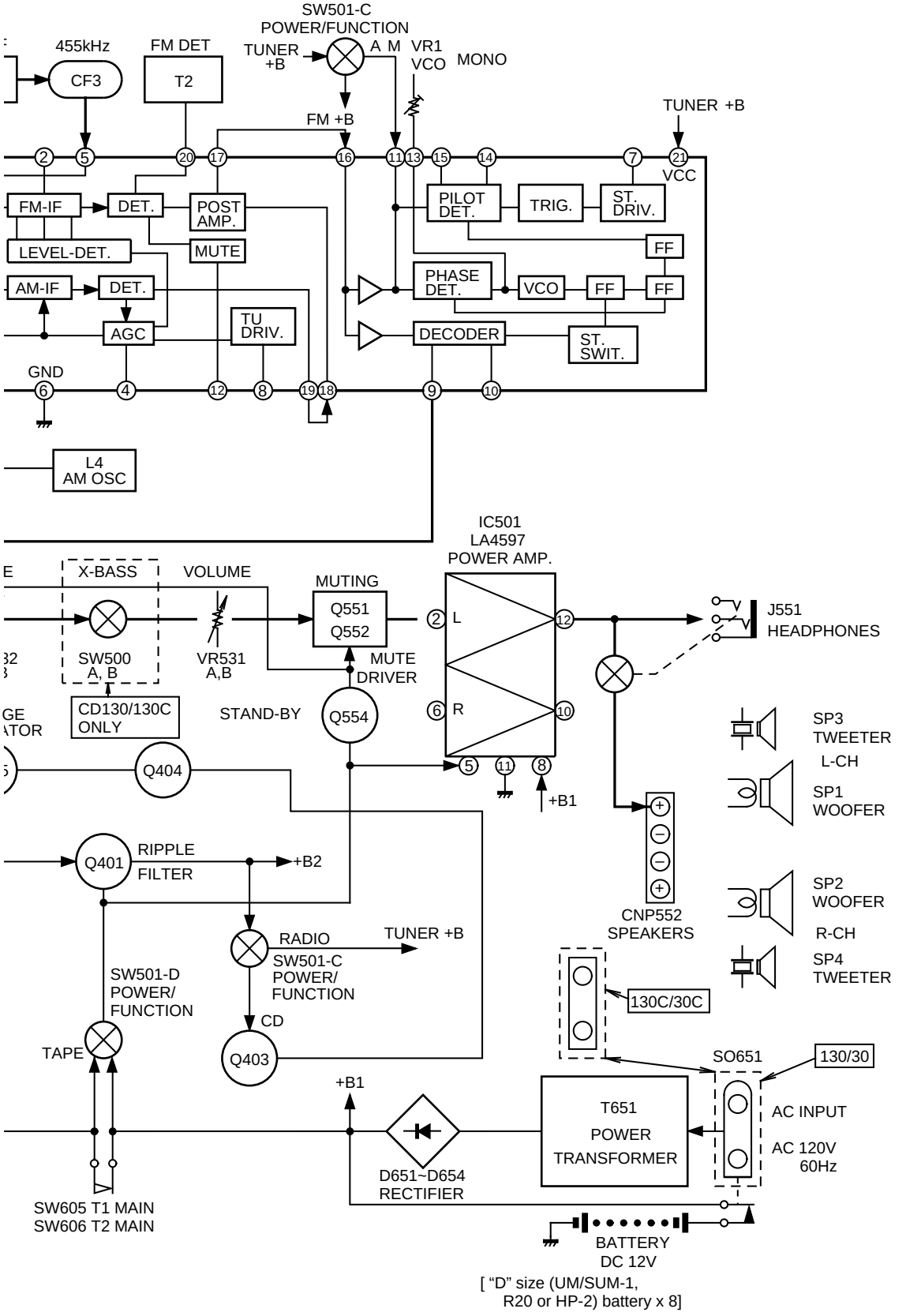
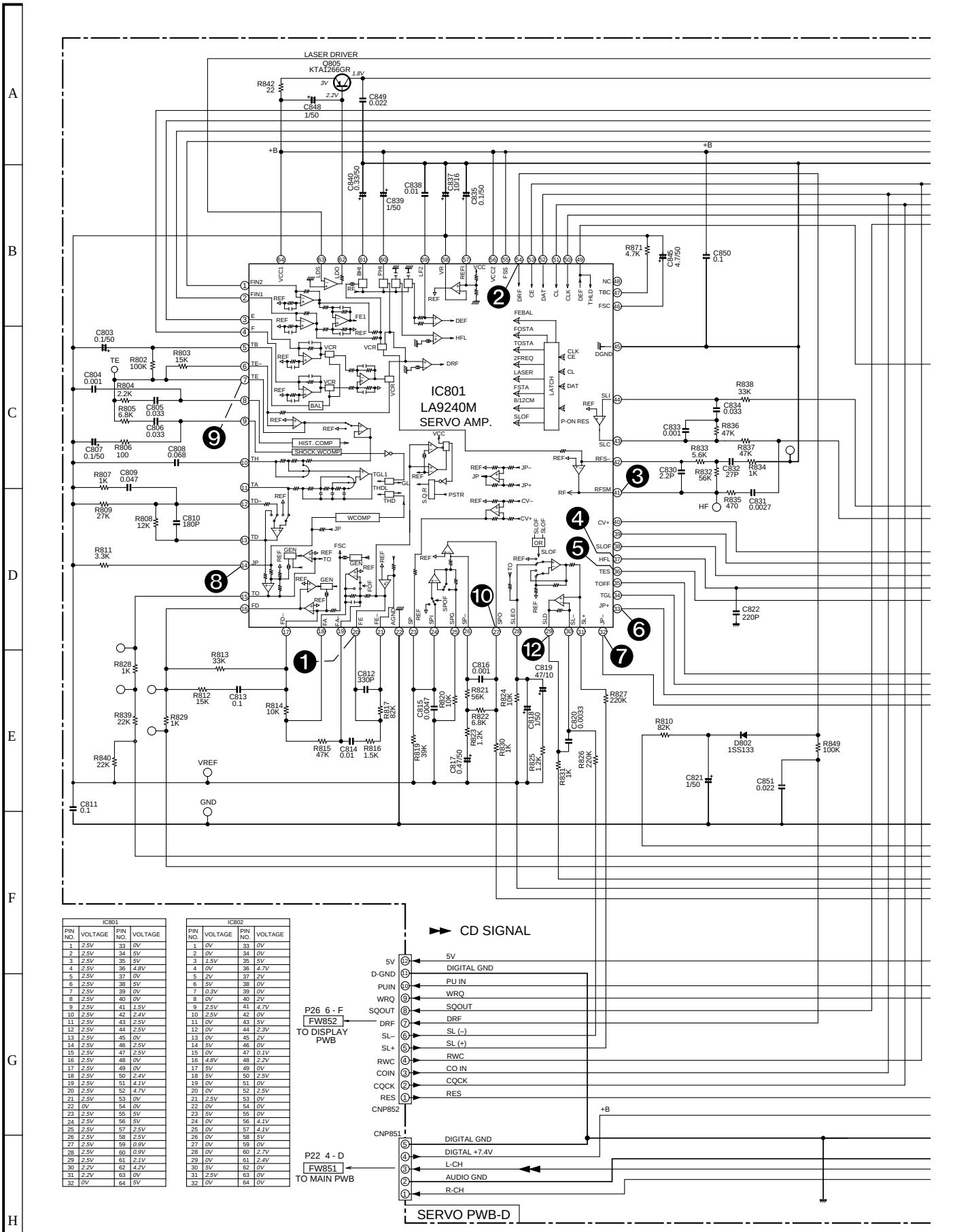


Figure 17 BLOCK DIAGRAM (4/4)

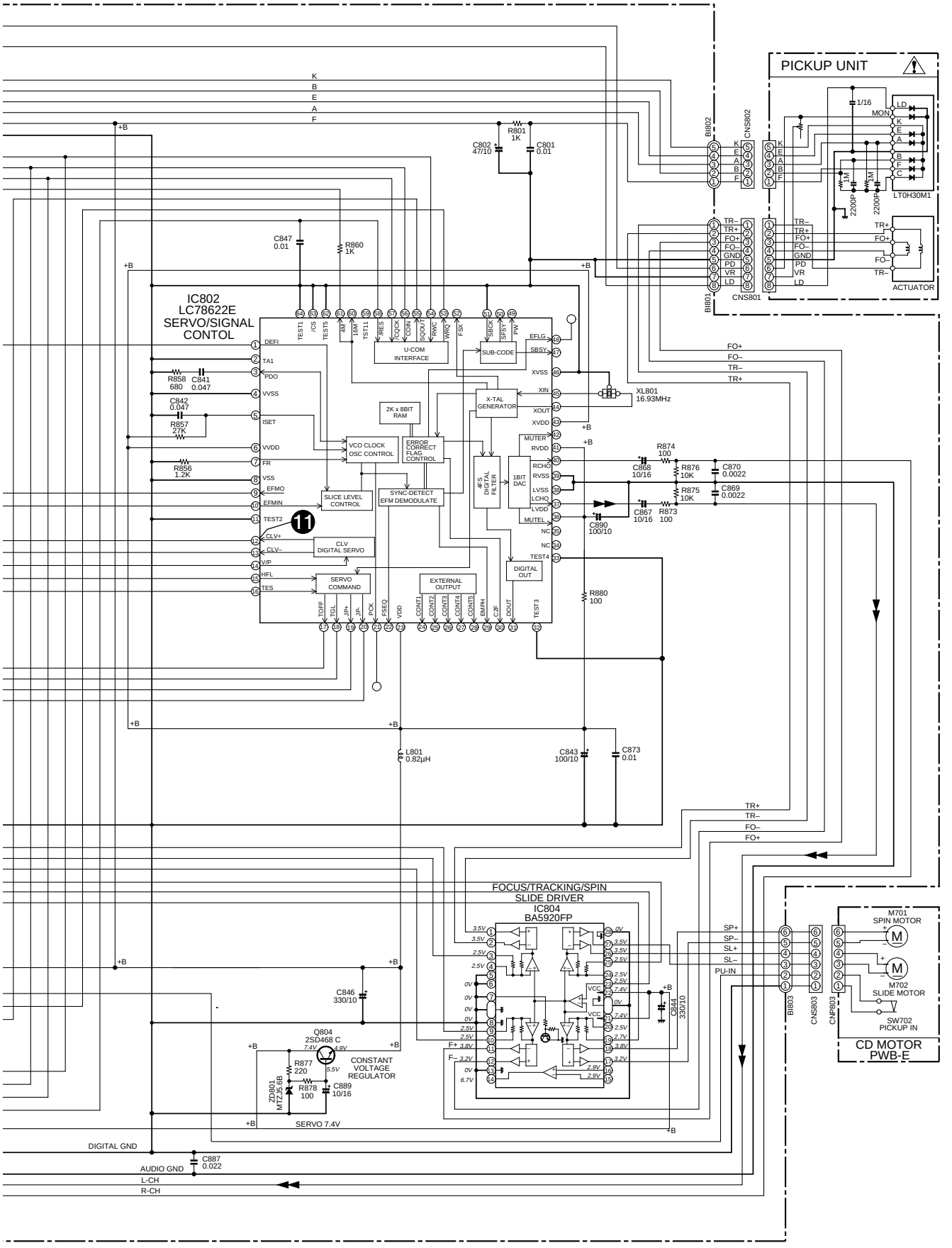


IC801			
PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	2.5V	33	0V
2	2.5V	34	5V
3	2.5V	35	5V
4	2.5V	36	4.8V
5	2.5V	37	0V
6	2.5V	38	5V
7	2.5V	39	0V
8	2.5V	40	0V
9	2.5V	41	1.5V
10	2.5V	42	2.4V
11	2.5V	43	2.5V
12	2.5V	44	2.5V
13	2.5V	45	0V
14	2.5V	46	2.5V
15	2.5V	47	2.5V
16	2.5V	48	0V
17	2.5V	49	0V
18	2.5V	50	2.4V
19	2.5V	51	4.1V
20	2.5V	52	4.7V
21	2.5V	53	0V
22	0V	54	0V
23	2.5V	55	5V
24	2.5V	56	5V
25	2.5V	57	2.5V
26	2.5V	58	2.5V
27	2.5V	59	0.9V
28	2.5V	60	0.9V
29	2.5V	61	2.1V
30	2.2V	62	4.2V
31	2.2V	63	0V
32	0V	64	5V

IC802			
PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	0V	33	0V
2	0V	34	0V
3	1.5V	35	5V
4	0V	36	4.7V
5	2V	37	2V
6	5V	38	0V
7	0.3V	39	0V
8	0V	40	2V
9	2.5V	41	4.7V
10	2.5V	42	0V
11	0V	43	5V
12	0V	44	2.3V
13	0V	45	2V
14	5V	46	0V
15	0V	47	0.1V
16	4.8V	48	2.2V
17	5V	49	0V
18	5V	50	2.5V
19	0V	51	0V
20	0V	52	2.5V
21	2.5V	53	0V
22	0V	54	0V
23	5V	55	0V
24	0V	56	4.1V
25	0V	57	4.1V
26	0V	58	5V
27	0V	59	0V
28	0V	60	2.7V
29	0V	61	2.4V
30	5V	62	0V
31	2.5V	63	0V
32	0V	64	0V

The numbers ❶ to ⓬ are waveform numbers shown in page 27.

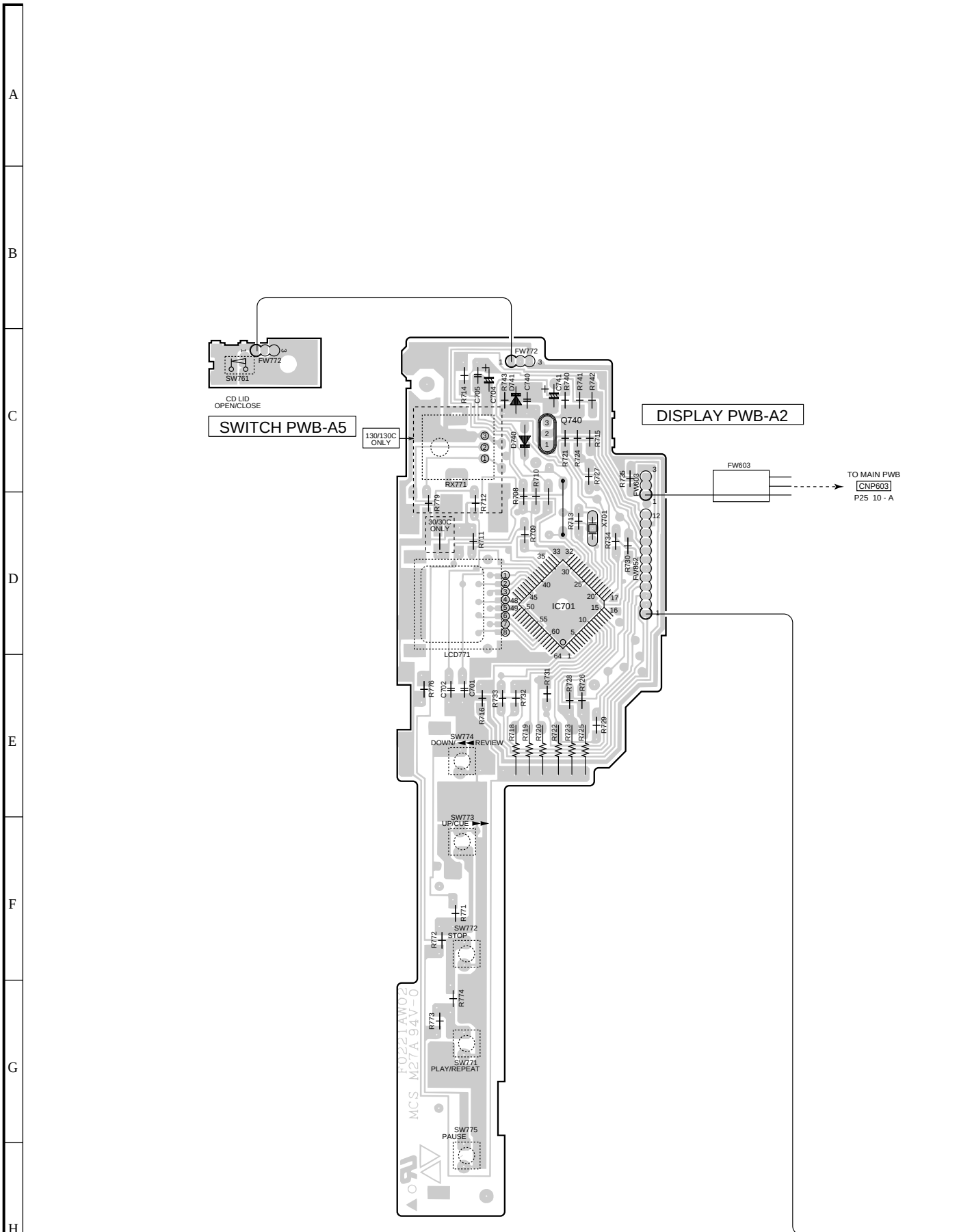
Figure 18 SCHEMATIC DIAGRAM (1/5)



NOTES ON SCHEMATIC DIAGRAM can be found on page 13.

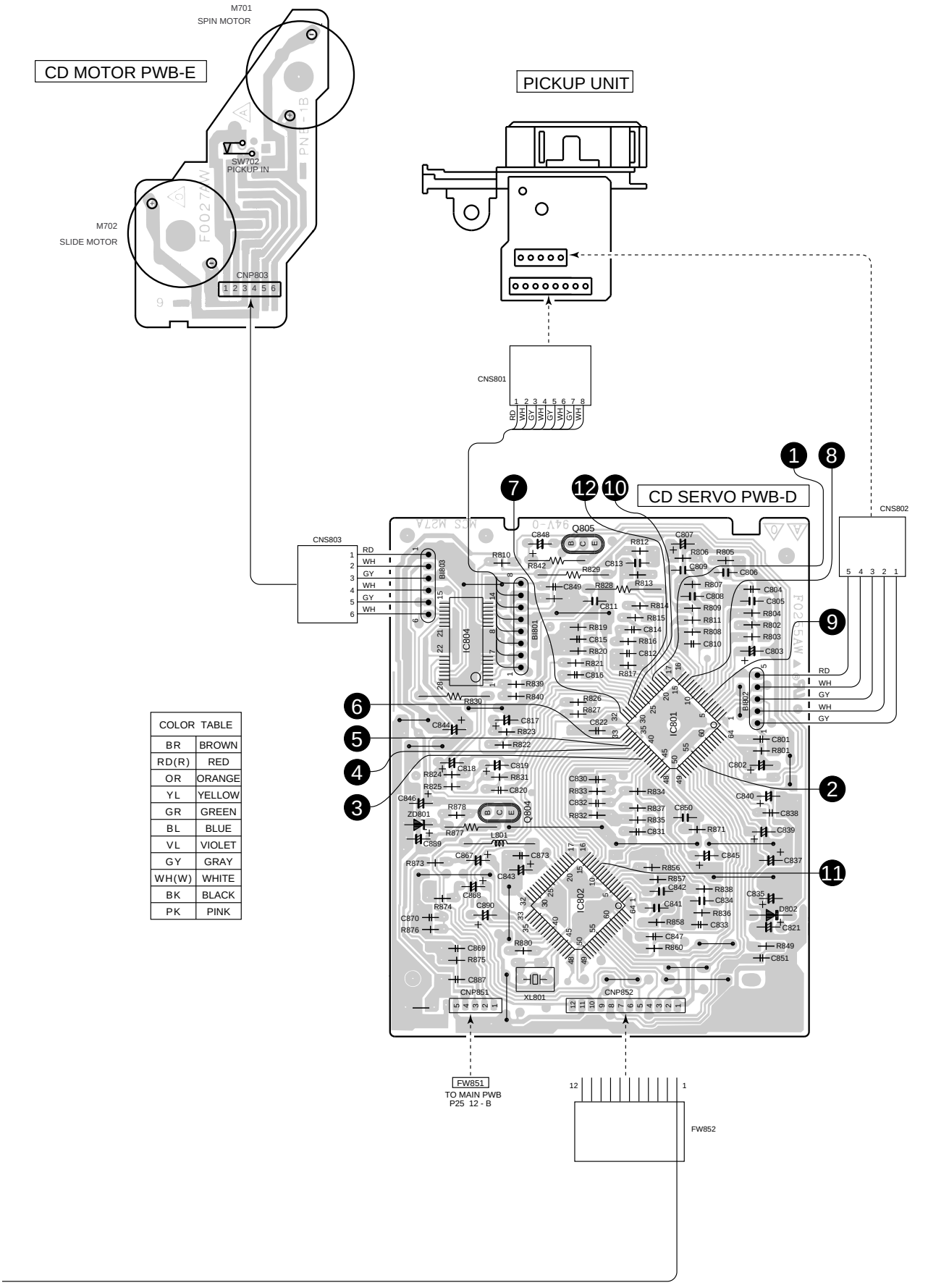
7	8	9	10	11	12

Figure 19 SCHEMATIC DIAGRAM (2/5)



The numbers ❶ to ⓬ are waveform numbers shown in page 27.

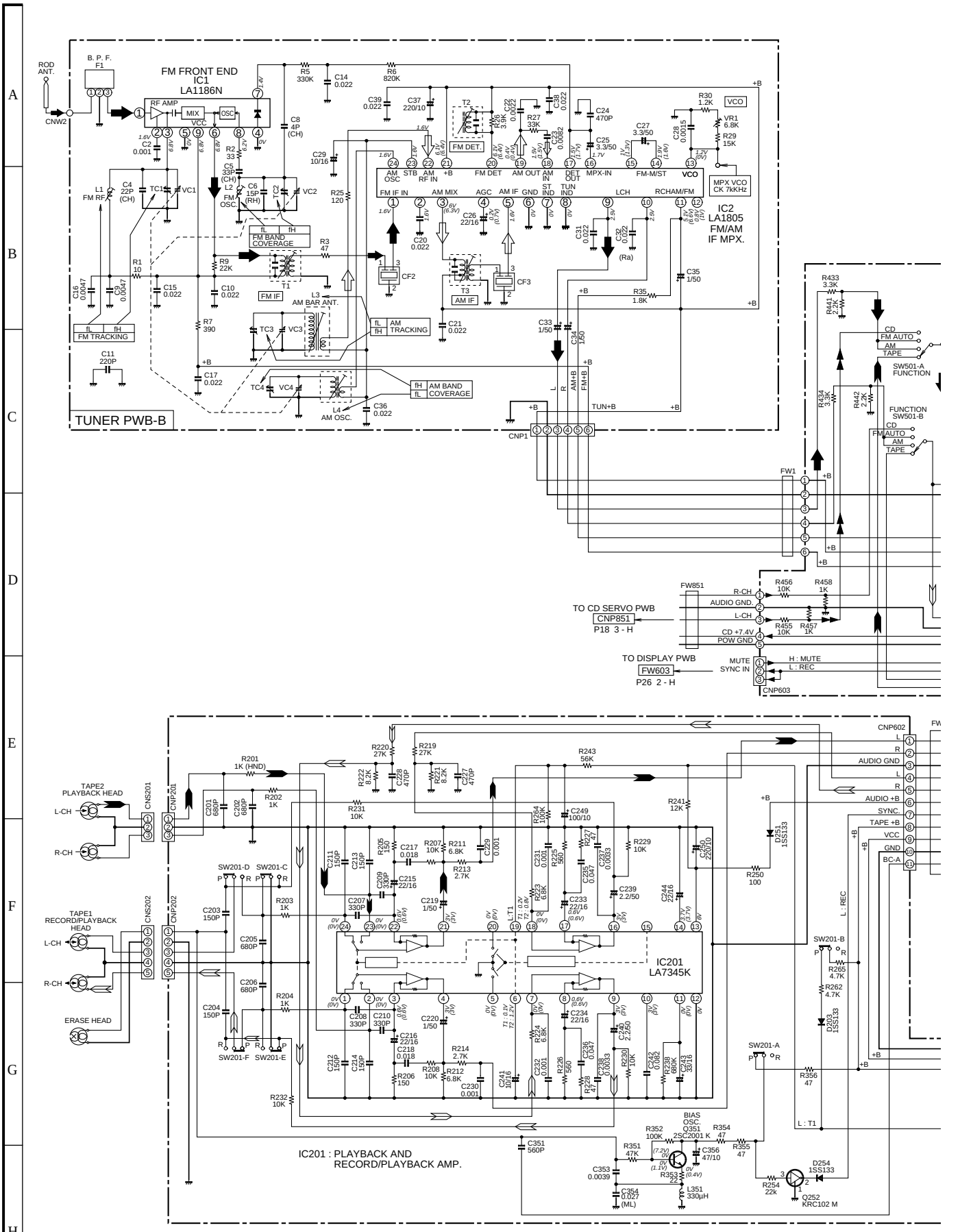
Figure 20 WIRING OF P.W.BOARD (1/4)



COLOR TABLE	
BR	BROWN
RD(R)	RED
OR	ORANGE
YL	YELLOW
GR	GREEN
BL	BLUE
VL	VIOLET
GY	GRAY
WH(W)	WHITE
BK	BLACK
PK	PINK

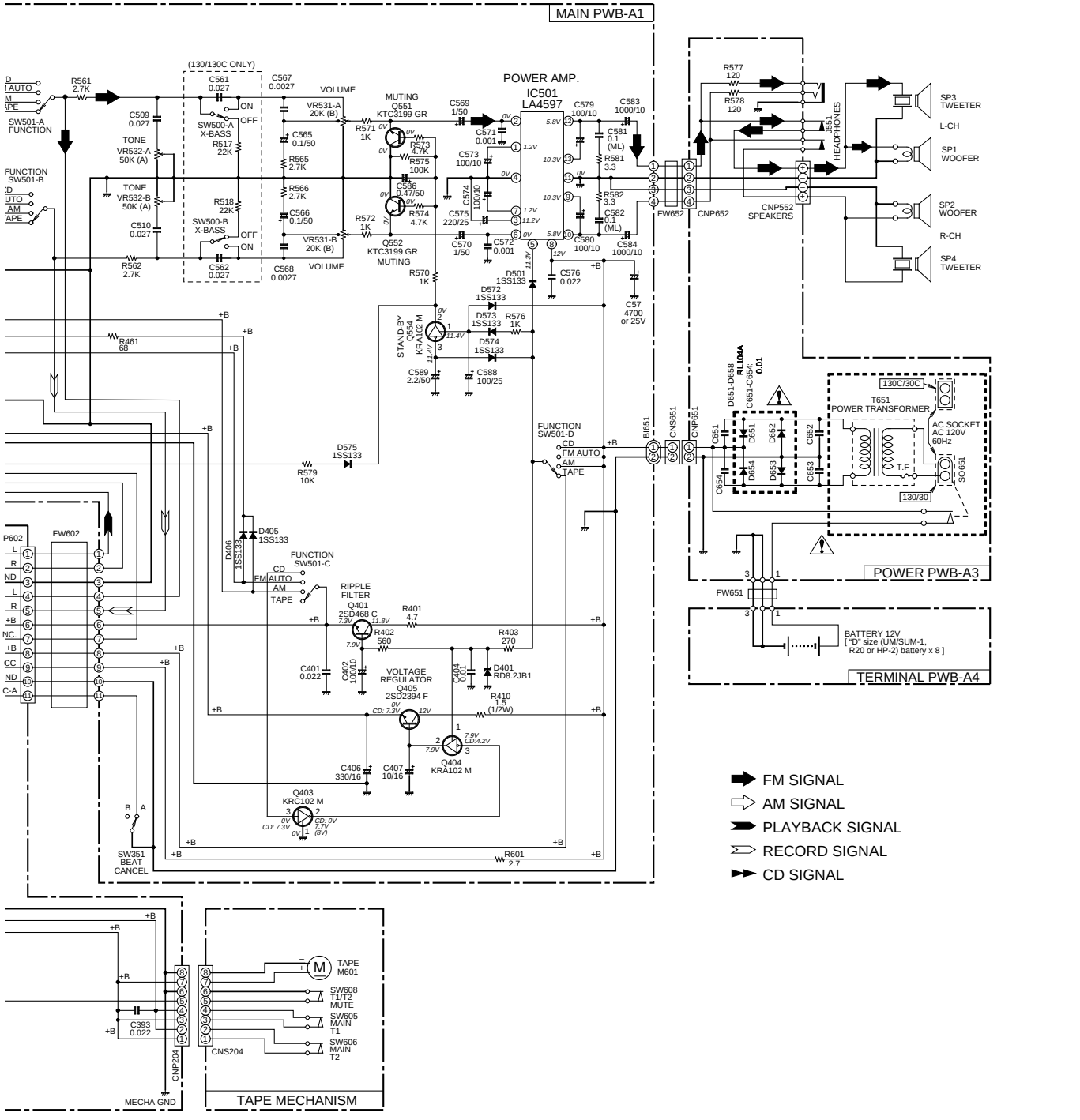
7	8	9	10	11	12

Figure 21 WIRING OF P.W.BOARD (2/4)



NOTES ON SCHEMATIC DIAGRAM can be found on page 13.

Figure 22 SCHEMATIC DIAGRAM (3/5)



7	8	9	10	11	12

Figure 23 SCHEMATIC DIAGRAM (4/5)

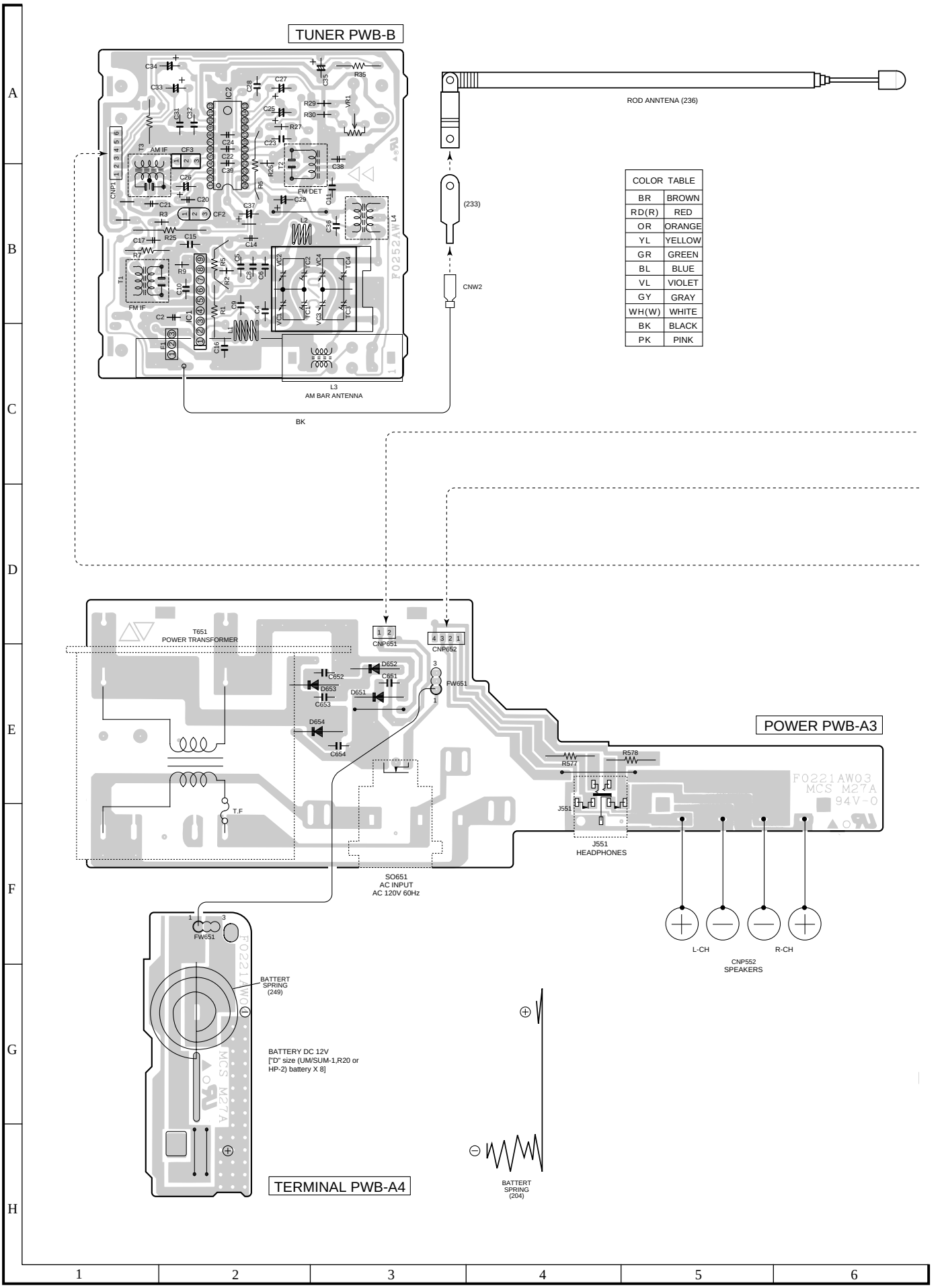
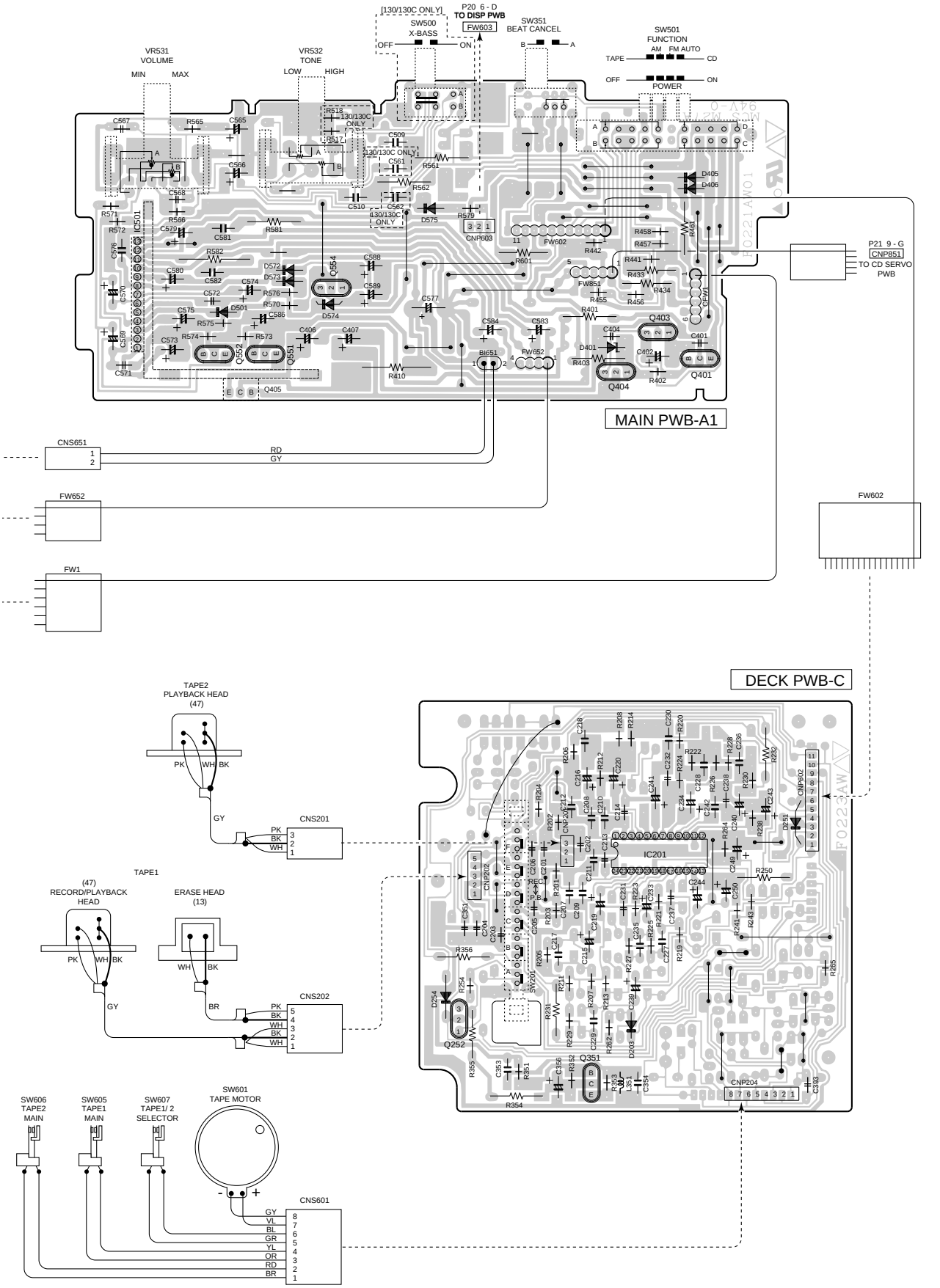
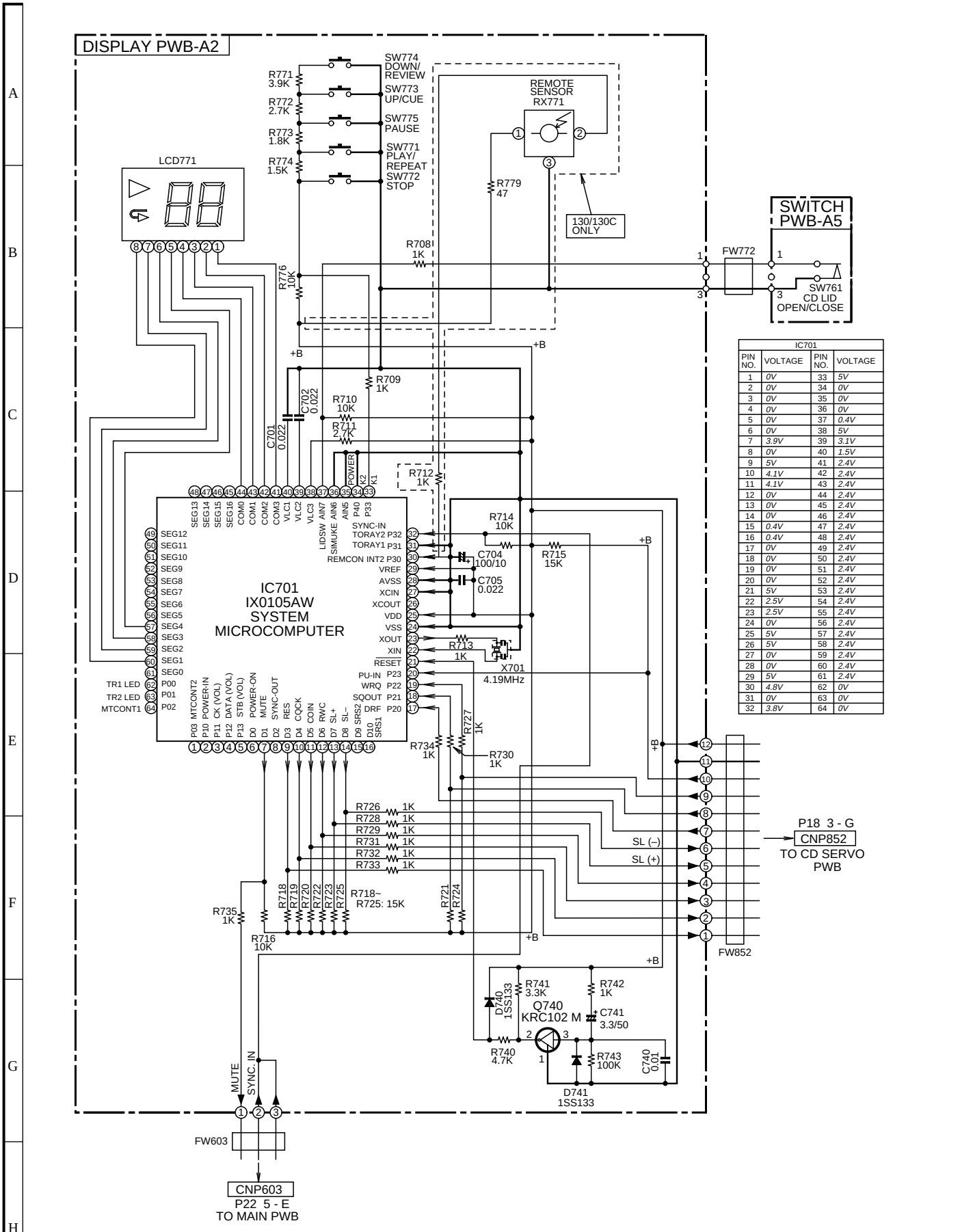


Figure 24 WIRING OF P.W.BOARD (3/4)



7	8	9	10	11	12

Figure 25 WIRING OF P.W.BOARD (4/4)



IC701			
PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	0V	33	5V
2	0V	34	0V
3	0V	35	0V
4	0V	36	0V
5	0V	37	0.4V
6	0V	38	5V
7	3.9V	39	3.1V
8	0V	40	1.5V
9	5V	41	2.4V
10	4.1V	42	2.4V
11	4.1V	43	2.4V
12	0V	44	2.4V
13	0V	45	2.4V
14	0V	46	2.4V
15	0.4V	47	2.4V
16	0.4V	48	2.4V
17	0V	49	2.4V
18	0V	50	2.4V
19	0V	51	2.4V
20	0V	52	2.4V
21	5V	53	2.4V
22	2.5V	54	2.4V
23	2.5V	55	2.4V
24	0V	56	2.4V
25	5V	57	2.4V
26	5V	58	2.4V
27	0V	59	2.4V
28	0V	60	2.4V
29	5V	61	2.4V
30	4.8V	62	0V
31	0V	63	0V
32	3.8V	64	0V

NOTES ON SCHEMATIC DIAGRAM can be found on page 13.

Figure 26 SCHEMATIC DIAGRAM (5/5)

FUNCTION TABLE OF IC

IC701 RH-iX0105AWZZ (IX0105AW): System Control Microcomputer

Pin No.	Terminal Name	Port Name	Input/ Output	Function
1*	P03	MTCONT2	Input/Output	Used to input or output 4 bits at a time. When the output latch is set to "1", the unit will be in the input mode. The key-on wakeup function, which can be switched on or off by the software, and a pull-up transistor, which can be turned on or off by the software, are built in.
2*-5*	P10-P13	POWER-IN, CK (VOL), DATA (VOL), STB (VOL)	Input/Output	Used to input or output 4 bits at a time. When the output latch is set to "1", the unit will be in the input mode.The key-on wakeup function, which can be switched on or off by the software, and a pull-up transistor,which can be turned on or off by the software, are built in.
6*	D0	POWER-ON	Input/Output	Each terminal can be used to input or output 1 bit at a time. The output section has a latch which holds 1 bit. One of the D ports is assigned by register Y as a data point, to execute input or output. To use the port for input, set the output latch for that bit to "1". All of the output latches on port D can be set to "1" using the CLD command.
7	D1	MUTE	Input/Output	Each terminal can be used to input or output 1 bit at a time. The output section has a latch which holds 1 bit. One of the D ports is assigned by register Y as a data point, to execute input or output. To use the port for input, set the output latch for that bit to "1". All of the output latches on port D can be set to "1" using the CLD command.
8*-12	D2-D6	SYNC-OUT, RES,CQCK, COIN,REC	Input/Output	Each terminal can be used to input or output 1 bit at a time. The output section has a latch which holds 1 bit. One of the D ports is assigned by register Y as a data point, to execute input or output. To use the port for input, set the output latch for that bit to "1". All of the output latches on port D can be set to "1" using the CLD command.
13,14	D7,D8	SL+,SL-	Input/Output	Each terminal can be used to input or output 1 bit at a time. The output section has a latch which holds 1 bit. One of the D ports is assigned by register Y as a data point, to execute input or output. To use the port for input, set the output latch for that bit to "1". All of the output latches on port D can be set to "1" using the CLD command.
15*,16*	D9,D10	SRS2,SRS1	Input/Output	Each terminal can be used to input or output 1 bit at a time. The output section has a latch which holds 1 bit. One of the D ports is assigned by register Y as a data point, to execute input or output. To use the port for input, set the output latch for that bit to "1". All of the output latches on port D can be set to "1" using the CLD command.
17	P20	DRF	Input/Output	Used to receive 4 bits at a time.
18	P21	SQOUT	Input/Output	Used to receive 4 bits at a time.
19	P22	WRQ	Input/Output	Used to receive 4 bits at a time.
20	P23	PU-IN	Input/Output	Used to receive 4 bits at a time.
21	$\overline{\text{RESET}}$		Input/Output	Reset pulse input/output terminal. When a reset is caused by the watch dog timer, an "L" level will be output. The output is an N channel open drain.
22	XIN		Input	Input/output terminals for the main clock generation circuit. Used by connecting a ceramic resonator between the XIN and XOUT terminals. There is a built-in feedback resistor between the XIN and XOUT terminals.
23	XOUT		Output	Input/output terminals for the main clock generation circuit. Used by connecting a ceramic resonator between the XIN and XOUT terminals. There is a built-in feedback resistor between the XIN and XOUT terminals.
24	VSS		—	GND input terminal.
25	VDD		—	Positive power supply terminal.
26*	XCOUT		Output	Input/output terminals for the sub clock generation circuit. Used by connecting a crystal oscillator between the XCIN and XCOUT terminals. There is a built-in feedback resistor between the XCIN and XCOUT terminals.
27	XCIN		Input	Input/output terminals for the sub clock generation circuit. Used by connecting a crystal oscillator between the XCIN and XCOUT terminals. There is a built-in feedback resistor between the XCIN and XCOUT terminals.
28	AVSS		Input	GND input terminal for the A-D converter.
29	VREF		Input	Reference voltage input terminal for the A-D converter.
30	P30	REMOCONINT2	Input	Used to receive 4 bits at a time.
31	P31	TORAY1	Input	Used to receive 4 bits at a time.
32	P32	TORAY2	Input	Used to receive 4 bits at a time.
33	P33		Input	Used to receive 4 bits at a time.
34	P40		Input	Used to receive 4 bits at a time.
35-37	AIN5-AIN7		Input	Used to receive 4 bits at a time.
38-40	VLC3-VLC1		Input	LCD power input terminals. To use the internal resistor, connect VLC3 to VDD (if a brightness control is needed, connect VLC3 to VDD through a resistor). When an external power supply is used, apply voltages as follows: 0<VLC1<VLC3<VLCD<VDD.
41-44	COM3-COM0		Output	LCD common output terminals.
45-61* (45*-56*)	SEG16-SEG0		Output	LCD segment output terminals.
62*-64*	P00-P02		Input/Output	Used to input or output 4 bits at a time. When the output latch is set to "1", the unit will be in the input mode. The key-on wakeup function, which can be switched on or off by the software, and a pull-up transistor, which can be turned on or off by the software, are built in.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

SHARP PARTS GUIDE

MODEL GX-CD30
GX-CD30C
GX-CD130
GX-CD130C

"HOW TO ORDER REPLACEMENT PARTS"

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

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

★ MARK: SPARE PARTS-DELIVERY SECTION

For U.S.A. only

Contact your nearest SHARP Parts Distributor to order.

For location of SHARP Parts Distributor,
Please call Toll-Free;
1-800-BE-SHARP

REFERENCE

CAPACITORS

There are two types of capacitors available and they can be identified from each other by reading their Part Numbers.

• Ceramic type capacitor;

A symblo "C" or "K" is given at the 3rd digit of its Part Number like "VCC (or K)·····J."

• Semiconductor type capacitor:

A symblo "T" is given at the 3rd digit of its Part Number like "VCT·····J." The capacitance error of each capacitor is indicated by the symbol given at the 13th digit of the Part Number as follows: "J" (±5%), "K" (±10%), "M" (±20%), "N" (±30%), "C" (±0.25 pF), "D" (±0.5pF), "Z" (+80—20%).

Tubular type ceramic capacitor is identified by the symbol TV (TQ/CY) of the part NO. VC00TV(TQ/CY)0000000; this TV(TQ/CY) does not mean the lead wire.

Tubular type ceramic capacitor is identified by the symbol MF(MN) of the part.

RESISTORS

Unless otherwise specified, resistors are ±5%, carbon type. Tubular type carbon film resistor ±5% is identified the symbol TV (TQ/CY) of the part No. VRS–TV(TQ/CY)0000000; this TV(TQ/CY) does not mean lead wire.

Tubular type carbon film resistor ±5% is identified the symbol MF(MN) of the part No. VRD–MF(MN)0000000; this MF(MN) does not mean lead wire.

NOTE:

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

NO.	PART CODE	★	PRICE RANK	DESCRIPTION
INTEGRATED CIRCUITS				
IC1	VHILA1186N/-1	J	AE	FM Front End,LA1186N
IC2	VHILA1805//-1	J	AM	FM/AM IF MPX.,LA1805
IC201	VHIANT345K/-1	J	AM	Playback and Record/ Playback Amp.,LA7345K
IC501	VHILA4597//-1	J	AH	Power Amp.,LA4597
IC701	RH-IX0105AWZZ	J	BA	System Microcomputer, IX0105AW
IC801	VHILA9240M/-1	J	AV	Servo Amp.,LA9240M
IC802	VHILC78622E-1	J	BA	Servo/Signal Control,LC78622E
IC804	VHIBA5920FP-1	J	AR	Focus/Tracking/Spin/Slide Driver,BA5920FP
TRANSISTORS				
Q252	VSKRC102M//-1	J	AC	Digital,NPN,KRC102 M
Q351	VS2SC2001-K-1	J	AD	Silicon,NPN,2SC2001 K
Q401	VS2SD468-C/-1	J	AD	Silicon,NPN,2SD468 C
Q403	VSKRC102M//-1	J	AC	Digital,NPN,KRC102 M
Q404	VSKRA102M//-1	J	AC	Digital,PNP,KRA102 M
Q405	VS2SD2394F/-1	J	AE	Silicon,NPN,2SD2394 F
Q551,552	VSKTC3199GR-1	J	AB	Digital,NPN,KTC3199 GR
Q554	VSKRA102M//-1	J	AC	Digital,PNP,KRA102 M
Q740	VSKRC102M//-1	J	AC	Digital,NPN,KRC102 M
Q804	VS2SD468-C/-1	J	AD	Silicon,NPN,2SD468 C
Q805	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
DIODES				
D203	VHD1SS133//-1	J	AA	Silicon,1SS133
D251	VHD1SS133//-1	J	AA	Silicon,1SS133
D254	VHD1SS133//-1	J	AA	Silicon,1SS133
D401	VHERD8R2JB1-1	J	AB	Zener,8.2V,RD8.2JB1
D405,406	VHD1SS133//-1	J	AA	Silicon,1SS133
D501	VHD1SS133//-1	J	AA	Silicon,1SS133
D572∼575	VHD1SS133//-1	J	AA	Silicon,1SS133
⚠D651∼654	VHDRL104A//-1	J	AB	Silicon,RL104A
D740,741	VHD1SS133//-1	J	AA	Silicon,1SS133
D802	VHD1SS133//-1	J	AA	Silicon,1SS133
ZD801	VHEMTZJ5R6B-1	J	AD	Zener,5.6V,MTZJ5.6B
FILTERS				
CF2	92LFILT-F1342A	J	AD	FM IF
CF3	RFILA0006AWZZ	J	AG	AM IF
F1	92LFILTF1759A	J	AD	FM Band Pass Filter
TRANSFORMERS				
T1	RCILI0007AWZZ	J	AD	FM IF
T2	RCILI0008AWZZ	J	AF	FM Detection
T3	RCILI0014AWZZ	J	AE	AM IF
⚠T651	RTRNP0054AWZZ	J	AX	Power
COILS				
L1	RCILR0364AFZZ	J	AA	FM RF
L2	RCILB0020AWZZ	J	AA	FM Oscillation
L3	RCILA0053AWZZ	J	AK	AM Bar Antenna
L4	RCILB0051AWZZ	J	AE	AM Oscillation
L351	VP-MK331K0000	J	AB	330 µH,Choke
L801	VP-XHR82K0000	J	AC	0.82 µH,Choke
VARIABLE RESISTORS				
VR1	92LVRS682NBUT	J	AC	6.8 kohms (B),Semi-VR [VCO]
VR531	92LVR-524A	J	AH	20 kohms (B),Semi-VR [Volume]
VR532	92LVR-524B	J	AG	50 kohms (A),Semi-VR [Tone]
VARIABLE CAPACITORS				
VC1-4	92LVC-1455A	J	AN	Variable Capacitor with Trimmer (TC1-4)
VIBRATORS				
X701	RCRM-0009AWZZ	J	AF	Ceramic,4.000 MHz
XL801	RCRM-0008AWZZ	J	AF	Ceramic,16.93 MHz

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
CAPACITORS				
C2	VCKYMN1HB102K	J	AA	0.001 µF,50V
C4	VCCCPA1HH220J	J	AA	22 pF (CH),50V
C5	VCCCPA1HH330J	J	AA	33 pF (CH),50V
C6	VCCRPA1HH150J	J	AA	15 pF (RH),50V
C8	VCCCPA1HH4R0C	J	AA	4 pF (CH),50V
C9	VCTYPA1EX472M	J	AA	0.0047 µF,25V
C10	VCTYPA1EX223M	J	AA	0.022 µF,25V
C11	VCKYPA1HB221K	J	AA	220 pF,50V
C14	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C15	VCTYPA1EX223M	J	AA	0.022 µF,25V
C16	VCTYPA1EX472M	J	AA	0.0047 µF,25V
C17	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C20,21	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C22	VCTYMN1CX222K	J	AA	0.0022 µF,16V
C23	VCTYPA1EX822M	J	AA	0.0082 µF,25V
C24	VCKYMN1HB471K	J	AA	470 pF,50V
C25	RC-GZA335AF1H	J	AB	3.3 µF,50V,Electrolytic
C26	RC-GZA226AF1C	J	AB	22 µF,16V,Electrolytic
C27	RC-GZA335AF1H	J	AB	3.3 µF,50V,Electrolytic
C28	92LCPU100V1500	J	AC	0.0015 µF,100V,Polypropylene
C29	RC-GZA106AF1C	J	AB	10 µF,16V,Electrolytic
C31,32	VCTYPA1EX223M	J	AA	0.022 µF,25V
C33∼35	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
C36	VCTYPA1EX223M	J	AA	0.022 µF,25V
C37	RC-GZA227AF1A	J	AB	220 µF,10V,Electrolytic
C38,39	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C201,202	VCKYMN1HB681K	J	AA	680 pF,50V
C203,204	VCKYMN1HB151K	J	AA	150 pF,50V
C205,206	VCKYMN1HB681K	J	AA	680 pF,50V
C207∼210	VCKYPA1HB331K	J	AA	330 pF,50V
C211,212	VCKYPA1HB151K	J	AA	150 pF,50V
C213,214	VCKYMN1HB151K	J	AA	150 pF,50V
C215,216	RC-GZA226AF1C	J	AB	22 µF,16V,Electrolytic
C217,218	VCTYPA1EX183J	J	AB	0.018 µF,25V
C219,220	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
C227,228	VCKYPA1HB471K	J	AA	470 pF,50V
C229,230	VCKYPA1HB102K	J	AA	0.001 µF,50V
C231,232	VCKYMN1HB102K	J	AA	0.001 µF,50V
C233,234	RC-GZA226AF1C	J	AB	22 µF,16V,Electrolytic
C235,236	VCTYPA1CX473K	J	AA	0.047 µF,16V
C237,238	VCTYMN1CX332K	J	AA	0.0033 µF,16V
C239,240	RC-GZA225AF1H	J	AB	2.2 µF,50V,Electrolytic
C241	RC-GZA106AF1C	J	AB	10 µF,16V,Electrolytic
C242	VCTYPA1EX823K	J	AB	0.082 µF,25V
C243	RC-GZA336AF1C	J	AB	33 µF,16V,Electrolytic
C244	RC-GZA226AF1C	J	AB	22 µF,16V,Electrolytic
C249	RC-GZA107AF1A	J	AB	100 µF,10V,Electrolytic
C250	RC-GZA227AF1A	J	AB	220 µF,10V,Electrolytic
C351	VCKYMN1HB561K	J	AA	560 pF,50V
C353	VCQPKA2AA392J	J	AB	0.0039 µF,100V,Polypropylene
C354	RC-QZA273AFYJ	J	AB	0.027 µF,50V,Mylar
C356	RC-GZA476AF1A	J	AB	47 µF,10V,Electrolytic
C393	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C401	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C402	RC-GZA107AF1A	J	AB	100 µF,10V,Electrolytic
C404	VCTYMN1CY103K	J	AA	0.01 µF,16V
C406	RC-GZA337AF1C	J	AC	330 µF,16V,Electrolytic
C407	RC-GZA106AF1C	J	AB	10 µF,16V,Electrolytic
C509,510	VCTYPA1CX273K	J	AA	0.027 µF,16V
C561,562	VCTYPA1CX273K	J	AA	0.027 µF,16V [130/130C Only]
C565,566	RC-GZA104AF1H	J	AB	0.1 µF,50V,Electrolytic
C567,568	VCTYMN1CX272K	J	AA	0.0027 µF,16V
C569,570	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
C571,572	VCKYMN1HB102K	J	AA	0.001 µF,50V
C573,574	RC-GZA107AF1A	J	AB	100 µF,10V,Electrolytic
C575	RC-GZA227AF1E	J	AB	220 µF,25V,Electrolytic
C576	VCKZPA1HF223Z	J	AA	0.022 µF,50V
C577	92LCEU20W4700M	J	AH	4700µF,20V
C579,580	RC-GZA107AF1A	J	AB	100 µF,10V,Electrolytic
C581,582	RC-QZA104AFYK	J	AB	0.1 µF,50V,Mylar
C583,584	RC-GZS108AF1A	J	AC	1000 µF,10V,Electrolytic
C586	RC-GZA474AF1H	J	AA	0.47 µF,50V,Electrolytic
C588	RC-GZA107AF1E	J	AB	100 µF,25V,Electrolytic
C589	RC-GZA225AF1H	J	AB	2.2 µF,50V,Electrolytic
C651∼654	VCKZPA1HF103Z	J	AA	0.01 µF,50V
C701,702	VCTYMN0JY223N	J	AA	0.022 µF,6.3V
C704	RC-EZY107AF1A	J	AB	100 µF,10V,Electrolytic
C705	VCTYMN0JY223N	J	AA	0.022 µF,6.3V
C740	VCTYMN1CY103K	J	AA	0.01 µF,16V
C741	RC-EZY335AF1H	J	AB	3.3 µF,50V,Electrolytic

NO.	PART CODE	★	PRICE RANK	DESCRIPTION
C801	VCTYMN1CY103N	J	AA	0.01 µF,16V
C802	RC-GZA476AF1A	J	AB	47 µF,10V,Electrolytic
C803	RC-GZA104AF1H	J	AB	0.1 µF,50V,Electrolytic
C804	VCKYMN1HB102K	J	AA	0.001 µF,50V
C805,806	VCTYPA1CX333K	J	AA	0.033 µF,16V
C807	RC-GZA104AF1H	J	AB	0.1 µF,50V,Electrolytic
C808	VCTYPA1CX683K	J	AA	0.068 µF,16V
C809	VCTYPA1CX473K	J	AA	0.047 µF,16V
C810	VCKYMN1HB181K	J	AA	180 pF,50V
C811	VCTYPA1CX104K	J	AB	0.1 µF,16V
C812	VCKYMN1HB331K	J	AA	330 pF,50V
C813	VCTYPA1CX104K	J	AB	0.1 µF,16V
C814	VCTYMN1CY103K	J	AA	0.01 µF,16V
C815	VCTYMN1CX472K	J	AA	0.0047 µF,16V
C816	VCKYMN1HB102K	J	AA	0.001 µF,50V
C817	RC-GZA474AF1H	J	AA	0.47 µF,50V,Electrolytic
C818	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
C819	RC-GZA476AF1A	J	AB	47 µF,10V,Electrolytic
C820	VCTYMN1CX332K	J	AA	0.0033 µF,16V
C821	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
C822	VCKYMN1HB221K	J	AA	220 pF,50V
C830	VCCSMN1HL2R2C	J	AB	2.2 pF,50V
C831	VCTYMN1CX272K	J	AA	0.0027 µF,16V
C832	VCCSMN1HL270J	J	AA	27 pF,50V
C833	VCKYMN1HB102K	J	AA	0.001 µF,50V
C834	VCTYPA1CX333K	J	AA	0.033 µF,16V
C835	RC-GZA104AF1H	J	AB	0.1 µF,50V,Electrolytic
C837	RC-GZA106AF1C	J	AB	10 µF,16V,Electrolytic
C838	VCTYMN1CY103K	J	AA	0.01 µF,16V
C839	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
C840	RC-GZA334AF1H	J	AA	0.33 µF,50V,Electrolytic
C841,842	VCTYPA1CX473K	J	AA	0.047 µF,16V
C843	RC-GZA107AF1A	J	AB	100 µF,10V,Electrolytic
C844	RC-GZA337AF1A	J	AB	330 µF,10V,Electrolytic
C845	RC-GZA475AF1H	J	AB	4.7 µF,50V,Electrolytic
C846	RC-GZA337AF1A	J	AB	330 µF,10V,Electrolytic
C847	VCTYMN1CY103K	J	AA	0.01 µF,16V
C848	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
C849	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C850	VCTYPA1EF104Z	J	AA	0.1 µF,25V
C851	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C867,868	RC-GZA106AF1C	J	AB	10 µF,16V,Electrolytic
C869,870	VCTYMN1CX222K	J	AA	0.0022 µF,16V
C873	VCTYMN1CY103K	J	AA	0.01 µF,16V
C887	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C889	RC-GZA106AF1C	J	AB	10 µF,16V,Electrolytic
C890	RC-GZA107AF1A	J	AB	100 µF,10V,Electrolytic

RESISTORS

	VRD-MN2BD000C	J	AA	0 ohm,Jumper,ø1.4×3.5mm,Ivory
R1	VRD-ST2EE100J	J	AA	10 ohm,1/4W
R2	VRD-MN2BD330J	J	AA	33 ohms,1/8W
R3	VRD-MN2BD470J	J	AA	47 ohms,1/8W
R5	VRD-ST2EE334J	J	AA	330 kohms,1/4W
R6	VRD-ST2EE824J	J	AA	820 kohms,1/4W
R7	VRD-ST2EE391J	J	AA	390 ohms,1/4W
R9	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R25	VRD-ST2EE121J	J	AA	120 ohms,1/4W
R26	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
R27	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R29	VRD-MN2BD153J	J	AA	15 kohms,1/8W
R30	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
R35	VRD-ST2EE182J	J	AA	1.8 kohms,1/4W
R201	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R202∽204	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R205	VRD-MN2BD151J	J	AA	150 ohms,1/8W
R206	VRD-ST2CD151J	J	AA	150 ohms,1/6W
R207,208	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R211,212	VRD-MN2BD682J	J	AA	6.8 kohms,1/8W
R213,214	VRD-MN2BD272J	J	AA	2.7 kohms,1/8W
R219,220	VRD-MN2BD273J	J	AA	27 kohms,1/8W
R221,222	VRD-MN2BD822J	J	AA	8.2 kohms,1/8W
R223,224	VRD-MN2BD682J	J	AA	6.8 kohms,1/8W
R225,226	VRD-MN2BD561J	J	AA	560 ohms,1/8W
R227,228	VRD-MN2BD470J	J	AA	47 ohms,1/8W
R229,230	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R231,232	VRD-ST2EE103J	J	AA	10 kohm,1/4W
R238	VRD-MN2BD684J	J	AA	680 kohms,1/8W
R241	VRD-MN2BD123J	J	AA	12 kohms,1/8W
R243	VRD-MN2BD563J	J	AA	56 kohms,1/8W
R250	VRD-ST2EE101J	J	AA	100 ohm,1/4W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
R254	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R262	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R264	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R265	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R351	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R352	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R353	VRD-MN2BD220J	J	AA	22 ohms,1/8W
R354∽356	VRD-ST2EE470J	J	AA	47 ohms,1/4W
R401	VRD-ST2EE4R7J	J	AA	4.7 ohms,1/4W
R402	VRD-MN2BD561J	J	AA	560 ohms,1/8W
R403	VRD-ST2EE271J	J	AA	270 ohms,1/4W
R410	VRD-RT2HD1R5J	J	AB	1.5 ohms,1/2W
R433,434	VRD-ST2EE332J	J	AA	3.3 kohms,1/4W
R441,442	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R455,456	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R457,458	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R461	VRD-ST2EE680J	J	AA	68 ohms,1/4W
R517,518	VRD-MN2BD223J	J	AA	22 kohms,1/8W [130/130C Only]
R561,562	VRD-ST2EE272J	J	AA	2.7 kohms,1/4W
R565,566	VRD-MN2BD272J	J	AA	2.7 kohms,1/8W
R570∽572	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R573,574	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R575	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R576	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R577,578	VRD-ST2EE121J	J	AA	120 ohms,1/4W
R579	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R581,582	VRD-ST2EE3R3J	J	AA	3.3 ohms,1/4W
R601	VRD-ST2EE2R7J	J	AA	2.7 ohms,1/4W
R708,709	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R710	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R711	VRD-MN2BD272J	J	AA	2.7 kohms,1/8W
R712	VRD-MN2BD102J	J	AA	1 kohm,1/8W [130/130C Only]
R713	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R714	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R715	VRD-MN2BD153J	J	AA	15 kohms,1/8W
R716	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R718∽720	VRD-ST2EE153J	J	AA	15 kohms,1/4W
R721	VRD-MN2BD153J	J	AA	15 kohms,1/8W
R722,723	VRD-ST2EE153J	J	AA	15 kohms,1/4W
R724	VRD-MN2BD153J	J	AA	15 kohms,1/8W
R725	VRD-ST2EE153J	J	AA	15 kohms,1/4W
R726∽735	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R740	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R741	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R742	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R743	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R771	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
R772	VRD-MN2BD272J	J	AA	2.7 kohms,1/8W
R773	VRD-MN2BD182J	J	AA	1.8 kohms,1/8W
R774	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
R776	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R779	VRD-MN2BD470J	J	AA	47 ohms,1/8W [130/130C Only]
R801	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R802	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R803	VRD-MN2BD153J	J	AA	15 kohms,1/8W
R804	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R805	VRD-MN2BD682J	J	AA	6.8 kohms,1/8W
R806	VRD-MN2BD101J	J	AA	100 ohm,1/8W
R807	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R808	VRD-MN2BD123J	J	AA	12 kohms,1/8W
R809	VRD-MN2BD273J	J	AA	27 kohms,1/8W
R810	VRD-MN2BD823J	J	AA	82 kohms,1/8W
R811	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R812	VRD-MN2BD153J	J	AA	15 kohms,1/8W
R813	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R814	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R815	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R816	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
R817	VRD-MN2BD823J	J	AA	82 kohms,1/8W
R819	VRD-MN2BD393J	J	AA	39 kohms,1/8W
R820	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R821	VRD-MN2BD563J	J	AA	56 kohms,1/8W
R822	VRD-MN2BD682J	J	AA	6.8 kohms,1/8W
R823	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
R824	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R825	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
R826,827	VRD-MN2BD224J	J	AA	220 kohms,1/8W
R828,829	VRD-ST2EE102J	J	AA	1 kohm,1/4W
R830	VRD-ST2EE102J	J	AA	1 kohm,1/4W
R831	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R832	VRD-MN2BD563J	J	AA	56 kohms,1/8W
R833	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W

NO.	PART CODE	★	PRICE RANK	DESCRIPTION
R834	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R835	VRD-MN2BD471J	J	AA	470 ohms,1/8W
R836,837	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R838	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R839,840	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R842	VRD-ST2EE220J	J	AA	22 ohms,1/4W
R849	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R856	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
R857	VRD-MN2BD273J	J	AA	27 kohms,1/8W
R858	VRD-MN2BD681J	J	AA	680 ohms,1/8W
R860	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R871	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R873,874	VRD-MN2BD101J	J	AA	100 ohm,1/8W
R875,876	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R877	VRD-ST2EE221J	J	AA	220 ohms,1/4W
R878	VRD-MN2BD101J	J	AA	100 ohm,1/8W
R880	VRD-MN2BD101J	J	AA	100 ohm,1/8W

OTHER CIRCUITRY PARTS

BI651/CNS651	QCNWN0602AWZZ	J	AG	Connector Ass'y,2-2Pin
BI801/CNS801	QCNWN0605AWZZ	J	AL	Connector Ass'y,8-8Pin
BI802/CNS802	QCNWN0606AWZZ	J	AH	Connector Ass'y,5-5Pin
BI803/CNS803	QCNWN0607AWZZ	J	AH	Connector Ass'y,6-6Pin
CNP1	92LCONE6P52287	J	AC	Plug,6Pin
CNP201	92LCONE3P53253	J	AB	Plug,3Pin
CNP202	92LCONE5P53253	J	AB	Plug,5Pin
CNP204	QCNCW027HAWZZ	J	AC	Plug,8Pin
CNP552	QTANA0404AWZZ	J	AF	Terminal,Ext.Speaker
CNP602	QCNCW012LAWZZ	J	AE	Plug,11Pin
CNP603	92LCONE3P52287	J	AC	Plug,3Pin
CNP651	QCNCM742BAFZZ	J	AA	Plug,2Pin
CNP652	92LCONE4P52287	J	AC	Plug,4Pin
CNP803	QCNCM932FAFZZ	J	AC	Plug,6Pin
CNP851	QCNCW026EAWZZ	J	AE	Plug,5Pin
CNP852	QCNCW026MAWZZ	J	AG	Plug,12Pin
CNS201	QCNWN0595AWZZ	J	AH	Connector Ass'y,3Pin
CNS202	QCNWN0596AWZZ	J	AL	Connector Ass'y,5Pin
CNS204	QCNWN0600AWZZ	J	AH	Connector Ass'y,8Pin
CNS653	QCNWN0487AWZZ	J	AB	Connector Ass'y,1Pin
CNW2	QCNWN0716AWZZ	J	AD	Tip with Lead
FW1	QCNWN0687AWZZ	J	AE	Flat Cable,6Pin
FW602	QCNWN0601AWZZ	J	AG	Flat Cable,11Pin
FW603	QCNWN0717AWZZ	J	AD	Flat Cable,2Pin
FW651	QCNWN0594AWZZ	J	AD	Flat Cable,2Pin
FW652	QCNWN0718AWZZ	J	AD	Flat Cable,4Pin
FW772	QCNWN0603AWZZ	J	AC	Flat Cable,2Pin
FW851	QCNWN0689AWZZ	J	AE	Flat Cable,5Pin
FW852	QCNWN0604AWZZ	J	AH	Flat Cable,12Pin
J551	QJAKM0004AWZZ	J	AK	Jack,Headphones
LCD771	RV-LX0018AWZZ	J	AQ	LCD
M601	92LMTR1746AASY	J	AP	Motor with Pulley [Tape]
M701	92LMTR1906CASY	J	AS	Motor with Chassis [Spin]
M702	92LMTR1854BASY	J	AP	Motor with Gear [Slide]
RX771	VHLSPS4201C-1	J	AN	Remote Sensor,LSPS4201C [130/130C Only]
⚠SO651	QSOCA0201AWZZ	J	AL	Socket,AC Power Supply Input [130/30]
⚠SO651	QSOCA0203AWZZ	J	AL	Socket,AC Power Supply Input [130C/30C]
SP1,2	VSP0010PBR26A	J	AP	Woofer
SP3,4	RALMB0101AFZZ	J	AB	Tweeter
SW201	QSW-S0018AWZZ	J	AG	Switch,Slide Type [Record/ Playback]
SW351	QSW-S0024AWZZ	J	AE	Switch,Slide Type [Beat Cancel]
SW500	QSW-S0026AWZZ	J	AF	Switch,Slide Type [X-BASS] [130/ 130C Only]
SW501	QSW-S0022AWZZ	J	AK	Switch,Slide Type [Power/ Function]
SW605	QSW-F0340AFZZ	J	AE	Switch,Leaf Type [Tape 1 Main]
SW606	QSW-F0340AFZZ	J	AE	Switch,Leaf Type [Tape 2 Main]
SW607	92LM-SW1658A	J	AB	Switch,Leaf Type [Tape 1/2 Selector]
SW702	QSW-F9001AWZZ	J	AE	Switch,Push Type [Pickup In]
SW761	QSW-P0004AWZZ	J	AE	Switch,Push Type [CD Lid Open/ Close]
SW771	QSW-K0003AWZZ	J	AD	Switch,Key Type [CD-Play/ Repeat]
SW772	QSW-K0003AWZZ	J	AD	Switch,Key Type [CD-Stop]
SW773	QSW-K0003AWZZ	J	AD	Switch,Key Type [CD-Up/Cue]
SW774	QSW-K0003AWZZ	J	AD	Switch,Key Type [CD-Down/ Review]
SW775	QSW-K0003AWZZ	J	AD	Switch,Key Type [CD-Pause]

DECK MECHANISM PARTS

1	92LM-ANG1658A	J	AC	Joint Bracket,Mechanism
3	92LM-BELT1651B	J	AB	FR Belt
4	92LMBELT1658A1	J	AC	Drive Belt [Tape 1]
5	92LMBELT1658B1	J	AC	Drive Belt [Tape 2]
10	92LM-CSPR667J	J	AA	Spring,Latch Plate
12	92LM-CSPR1651F	J	AA	Spring,Back Tention
13	92LM-EH1658A	J	AG	Head,Erase
14	92LM-ESPR1651A	J	AA	Spring,Lock Plate
15	92LM-ESPR1651B	J	AA	Spring,Holder Lock Lever
17	92LM-FRRA1651A	J	AF	FR Roller Ass'y
18	92LM-FWA1651A	J	AG	Flywheel Ass'y [Tape 2]
19	92LM-FWA1658A	J	AG	Flywheel Ass'y [Tape 1]
20	92LM-GEAR1651C	J	AA	Gear,FF
21	92LM-HPLT1746A	J	AC	Plate,Head
22	92LM-ICAM1651A	J	AB	Cam,Idler
23	92LM-ILA1651A	J	AB	Idler Lever Ass'y
24	92LM-LEV1651G1	J	AC	Lever,Main Lock
25	92LM-LEV1651I	J	AA	Lever,AS Killer
27	92LM-LEV1651K	J	AA	Lever,Eject Joint
28	92LM-LEV1651L	J	AB	Lever,Erase Prevention
29	92LM-LEV1658A1	J	AB	Lever,Record
30	92LM-LEV1658B	J	AA	Lever,Play
31	92LM-LEV1658C	J	AA	Lever,Rewind
32	92LM-LEV1658D	J	AB	Lever,FF
33	92LM-LEV1658E	J	AB	Lever,Stop
35	92LM-LEV1658H	J	AB	Lever,Holder Lock
38	92LM-LGA1746A	J	AF	Lever Guide Ass'y
40	92LM-MCA1654A	J	AK	Main Chassis Ass'y [Tape 2]
42	MSPRP0492AFFW	J	AA	Spring,Cassette
45	92LM-PRA1651A	J	AE	Pinch Roller Ass'y
46	92LM-REL1651B	J	AB	Supply Reel
47	92LM-RPH1746A	J	AM	Head,Record/Playback
50	92LM-TSPR1746A	J	AA	Spring,Pinch Roller
51	92LM-TSPR1651B	J	AA	Spring,Operate Lever
52	92LM-TSPR1651C	J	AA	Spring,Record Lever
53	92LM-TSPR1651D	J	AA	Spring,Idler Lever
55	92LM-TSPR1651F	J	AA	Spring,AS Killer Lever
56	92LMTURA1651A1	J	AF	Take-up Reel Ass'y
58	92LM-TSPR1651G	J	AA	Spring,Pause Stop Lever
64	92L1R5WC3R8R5P	J	AA	Washer,ø1.5×ø3.8×0.5mm
66	92L1R8WC3R4R5P	J	AA	Washer,ø1.8×ø3.4×0.5mm
67	92L2R3W6R5P	J	AA	Washer,ø2.3×ø6×0.5mm
69	92L1R2WC4-R5P	J	AA	Washer,ø1.2×ø4×0.5mm
70	92L3R6W6-R5P	J	AA	Washer,ø3.6×ø6×0.5mm
71	92LS2R7W6R4R5L	J	AA	Washer,ø2.7×ø6.4×0.5mm
72	92LM-MCA1858A	J	AH	Main Chassis Ass'y [Tape 1]
501	92LS2R6S1746A	J	AA	Motor Screw,ø2.6mm
504	92L2BTS+5BZ	J	AA	Screw,ø2×5mm
505	92L2BTS+7BZ	J	AA	Screw,ø2×7mm
506	92L2TTS+3BZ	J	AA	Screw,ø2×3mm
508	92L2TTS+4BZ	J	AA	Screw,ø2×4mm
509	92L2TTS+4PZ	J	AA	Screw,ø2×4mm
511	92L2BTS+5PZ	J	AA	Screw,ø2×5mm
M601	92LMTR1746AASY	J	AP	Motor with Pulley [Tape]
SW605	QSW-F0340AFZZ	J	AE	Switch,Leaf Type [Tape 1 Main]
SW606	QSW-F0340AFZZ	J	AE	Switch,Leaf Type [Tape 2 Main]
SW607	92LM-SW1658A	J	AB	Switch,Leaf Type [Tape 1/2 Selector]

CD MECHANISM PARTS

301	NGERH0011AWZZ	J	AC	Gear,Middle
302	NGERH0012AWZZ	J	AC	Gear,Drive
303	MLEVP0010AWZZ	J	AC	Rail,Guide
304	NSFTM0002AWFW	J	AE	Shaft,Guide
305	PCUSG0427AFSC	J	AC	Cushion
⚠306	RCTRH8151AFZZ	J	BG	Pickup Unit Ass'y
306- 1	————		—	Pickup Unit (Not Replacement Item)
306- 2	NGERR0043AFZZ	J	AC	Gear,Rack
306- 3	MSPRC0961AFZZ	J	AA	Spring,Rack
307	PCOVP1001AWSA	J	AE	Mechanism Cover
701	92L2R6S+6CZ	J	AB	Screw,ø2.6×6mm
702	92L2TTS+5BB	J	AB	Screw,ø2×5mm
703	92L2S+3PZ	J	AA	Screw,ø2×3mm
704	92L1R5WC3R8R25	J	AA	Washer,ø1.5×ø3.8×0.25mm
M701	92LMTR1906CASY	J	AS	Motor with Chassis [Spin]

NO.	PART CODE	★	PRICE RANK	DESCRIPTION
M702	92LMTR1854BASY	J	AP	Motor with Gear [Slide]
SW702	QSW-F9001AWZZ	J	AE	Switch,Push Type [Pickup In]

CABINET PARTS

201	92LCAB2237AS1	J	AV	Front Cabinet Ass'y [30/30C]
201	92LCAB2238AS1	J	BD	Front Cabinet Ass'y [130/130C]
201- 1	————		—	Front Cabinet (Not Replacement Item)
202	GCABC1129AWSA	J	AX	Top Cabinet
203	GCABB1129AWSA	J	AZ	Rear Cabinet [130]
203	GCABB1140AWSA	J	AZ	Rear Cabinet [130C/30C]
203	GCABB1143AWSA	J	AS	Rear Cabinet [30]
204	92LBSPR1401A	J	AC	Spring,Battery,+/-
205	GFTAB1001AWSA	J	AE	Battery,Lid
206	92LMEC2237CTS1	J	AK	Cassette Holder Ass'y,Tape 1 [30/30C]
206	92LMEC2238CTS1	J	AP	Cassette Holder Ass'y,Tape 1 [130/130C]
206- 1	————		—	Cassette Holder,Tape 1 (Not Replacement Item)
206- 2	HPNLH1063AWSA	J	AE	Panel,Cassette,Tape 1
207	92LMEC2237CTS2	J	AK	Cassette Holder Ass'y,Tape 2 [30/30C]
207	92LMEC2238CTS2	J	AP	Cassette Holder Ass'y,Tape 2 [130/130C]
207- 1	————		—	Cassette Holder,Tape 2 (Not Replacement Item)
207- 2	HPNLH1064AWSA	J	AE	Panel,Cassette,Tape 2
208	92LMAG2238AS1	J	AN	Magnet Ass'y
209	MLIFP0003AWZZ	J	AE	Damper [CD Lid]
210	HPNLD1003AWSA	J	AG	Panel,Dial
211	92LPNL2237AS1	J	AK	Decoration Panel Ass'y [30/30C]
211	92LPNL2238AS1	J	AQ	Decoration Panel Ass'y [130/130C]
211- 1	————		—	Decoration Panel (Not Replace ment Item)
211- 2	HPNLH1065AWSA	J	AF	Panel,LCD [130/130C]
211- 2	HPNLH1066AWSA	J	AD	Panel,LCD [30/30C]
213	92LKNOB1596C	J	AA	Knob,Function/Power
214	JKNBK0032AWSA	J	AE	Knob,Volume
215	JKNBK0033AWSA	J	AE	Knob,Tone
216	92LDAMPER1651A	J	AD	Damper [Cassette Holder]
217	92LCSPR1596A	J	AA	Spring,Cassette Up
218	LANGK0044AWZZ	J	AD	Bracket,Front Cabinet
219	PSPAZ0010AWZZ	J	AG	Joint Boss
220	LANGK0041AWZZ	J	AF	Bracket,Cassette Button
221	92LFELT666B	J	AA	Felt
222	JKNBZ0190AWSA	J	AD	Button,Record [Tape 1]
223	JKNBZ0191AWSA	J	AD	Button,Play [Tape 1]
224	JKNBZ0192AWSA	J	AD	Button,Rewind [Tape 1]
225	JKNBZ0193AWSA	J	AD	Button,FF [Tape 1]
226	JKNBZ0194AWSA	J	AD	Button,Stop [Tape 1]
227	JKNBZ0195AWSA	J	AE	Button,Play [Tape 2]
228	JKNBZ0196AWSA	J	AE	Button,Stop [Tape 2]
229	HSSND0008AWSA	J	AE	Dial Pointer
230	LHLDZ1093AWZZ	J	AH	Tuner Frame
231	JKNBZ0189AWSA	J	AG	Knob,Tuning
232	92LWHEL1569A	J	AE	Dial Wheel
233	92LATML1455A	J	AB	Antenna Terminal
234	GDORT0011AWSA	J	AP	CD Lid
235	MSPRD0067AWZZ	J	AG	Spring,CD Lid Up
236	QANTR0006AWZZ	J	AQ	Rod Antenna
237	92LHNDL2238AS1	J	AQ	Handle Ass'y
239	JKNBZ0119AWSC	J	AE	Knob,CD Eject
240	JKNBZ0188AWSA	J	AF	Knob,CD Control
241	92LRDAT1524A	J	AE	Heat Sink
243	TSPC-0357AWZZ	J	AE	Label,Specifications [30C]
243	TSPC-0358AWZZ	J	AE	Label,Specifications [130C]
244	92LCAUT1459C	J	AA	Caution,Battery [130C/30C]
245	LANGK0042AWZZ	J	AD	Bracket,Deck PWB
246	LANGK0043AWZZ	J	AC	Bracket,Tuner PWB
247	92LM-LEV1746A	J	AB	Spring,Record
248	LHLDZ1094AWZZ	J	AE	Holder,LCD
249	92LBSPR1595C	J	AB	Spring,Battery,-
250	————		—	Spacer,PWB Washer (Not Replacement Item)
251	92LCUSN1585A	J	AA	Leg Cushion
252	TLABH0041AWSA	J	AE	Cassette Label,Tape 1 [130/130C]
252	TLABH0041AWSB	J	AE	Cassette Label,Tape 1 [30/30C]
253	TLABH0042AWSA	J	AE	Cassette Label,Tape 2 [130/130C]
253	TLABH0042AWSB	J	AE	Cassette Label,Tape 2 [30/30C]
601	LX-CZ0011AFFD	J	AA	Screw,ø3×65mm
602	XEBSD30P12000	J	AA	Screw,ø3×12mm
603	XEBSD30P20000L	J	AB	Screw,ø3×20mm
604	XHSSF30P08000	J	AA	Screw,ø3×8mm
605	XJSSF30P10000	J	AA	Screw,ø3×10mm
606	XEBSD30P10000	J	AA	Screw,ø3×10mm
607	XWHSD32-15140	J	AA	Washer,ø3.2×ø14×1.0mm
608	XBPSD26P06J00	J	AA	Screw,ø2.6×6mm
610	XWSSJ30-07000	J	AA	Washer,ø3×0.7mm
611	XEBSD26P10000	J	AA	Screw,ø2.6×10mm
612	XWHSD28-08120	J	AB	Screw,ø2.8×ø12×0.8mm
613	XCBSD30P08000	J	AA	Screw,ø3×8mm
614	XHBSD20P03000	J	AA	Screw,ø2×3mm
615	XWHSD32-08170	J	AA	Washer,ø3.2×ø17×1.0mm
616	XEBSD30P08000	J	AA	Screw,ø3×8mm
617	LX-EZ0002AWFD	J	AA	Screw,ø3×40mm
618	XJSSD30P10000	J	AA	Screw,ø3×10mm
619	XEBSD30P12000	J	AA	Screw,ø3×12mm

SPEAKER BOX PARTS

701	92LSCAB2237AS1	J	AU	Front Cabinet Ass'y,Speaker,Left [30/30C]
701	92LSCAB2238AS1	J	AZ	Front Cabinet Ass'y,Speaker,Left [130/130C]
702	92LSCAB2237AS2	J	AU	Front Cabinet Ass'y,Speaker, Right [30/30C]
702	92LSCAB2238AS2	J	AZ	Front Cabinet Ass'y,Speaker, Right [130/130C]
703	GCABB1130AWSA	J	AY	Rear Cabinet,Left
704	GCABB1131AWSA	J	AY	Rear Cabinet,Right
705	QCNWN0597AWZZ	J	AE	Speaker Wire
901	XEBSD30P10000	J	AA	Screw,ø3×10mm
902	XEBSD30P20000	J	AA	Screw,ø3×20mm

PACKING PARTS [FOR GX-CD30C/130C]

	SPAKA0093AWZZ	J	AH	Packing Add.,Unit (Left/Right)
	SPAKA0094AWZZ	J	AK	Packing Add.,Speaker,Top/ Bottom
	SPAKC0347AWZZ	J	AP	Packing Case [30C]
	SPAKC0348AWZZ	J	AP	Packing Case [130C]
	SSAKH0017AWZZ	J	AC	Polyethylene Bag,Unit
	92LBAG1607A1	J	AB	Polyethylene Bag,Speaker

ACCESSORIES

	TINSE0115AWZZ	J	AG	Operation Manual [130/30]
	TINSK0040AWZZ	J	AH	Operation Manual [130C/30C]
⚠	92LCORD-1651A	J	AM	AC Power Supply Cord [130/30]
⚠	92LCORD-1207A	J	AM	AC Power Supply Cord [130C/30C]
	92LPOPLABEL001	J	AR	Feature Label,Speaker [130C]
	92LPOPLABEL004	J	AE	Feature Label,Speaker [30C]
	RRMCG0052AWSA	J	BB	Remote Control [130/130C Only]
	GFTAB1016AWSA	J		Battery Lid,Remote Control [130/130C Only]

P.W.B. ASSEMBLY (Not Replacement Item)

PWB-A1∼5	92LPWB2237MANS	J	—	Main/Display/Power/Terminal/ Switch [30/30C]
PWB-A1∼5	92LPWB2238MANS	J	—	Main/Display/Power/Terminal/ Switch [130/130C]
PWB-B	92LPWB2238TUNS	J	—	Tuner
PWB-C	92LPWB2238DEKS	J	—	Deck
PWB-D	92LPWB2238CDUS	J	—	CD Servo
PWB-E	QPWBF0027AWZZ	J	AD	CD Motor (PWB Only)

— M E M O —

— M E M O —

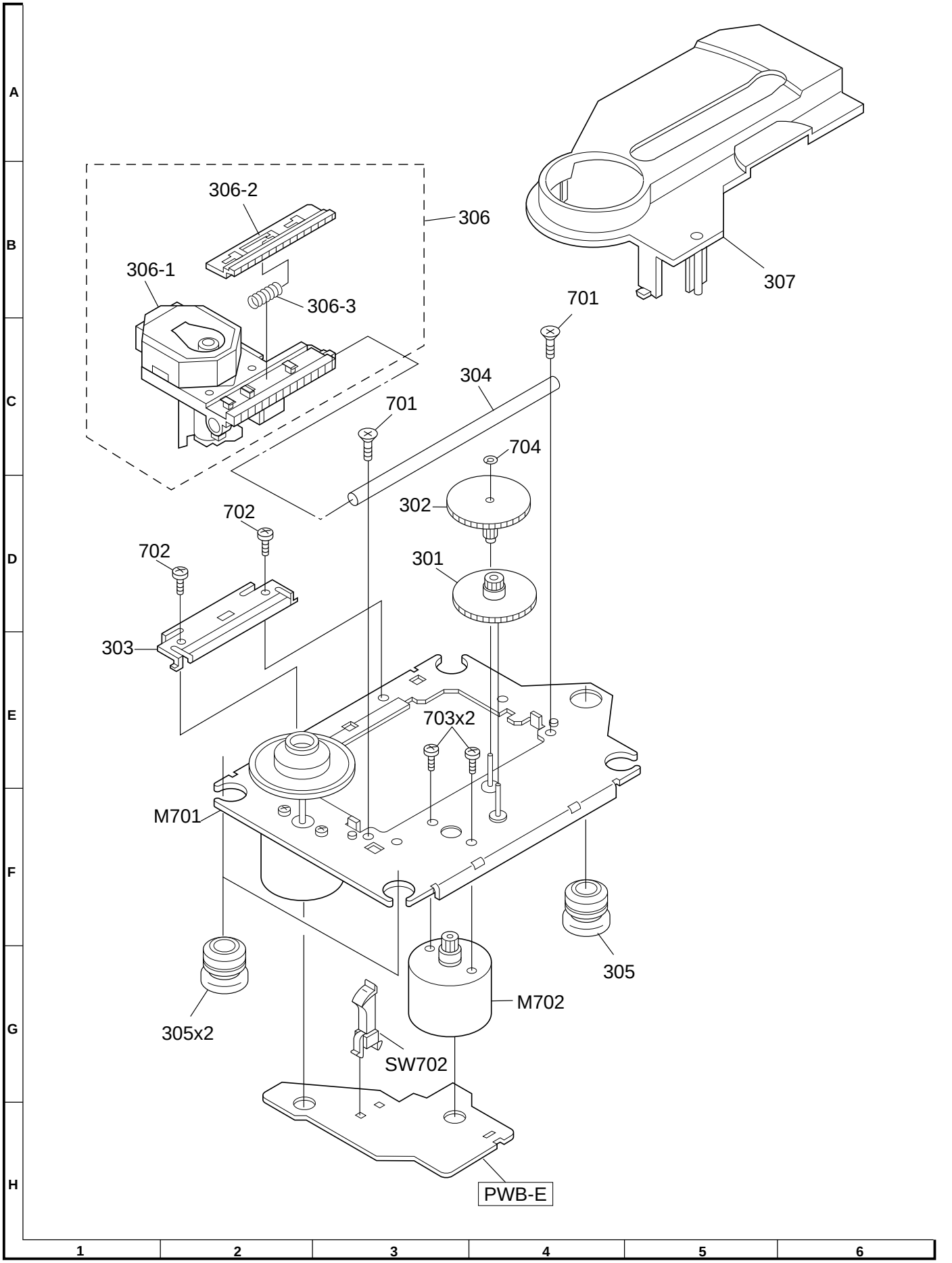


Figure 7 CD MECHANISM EXPLODED VIEW

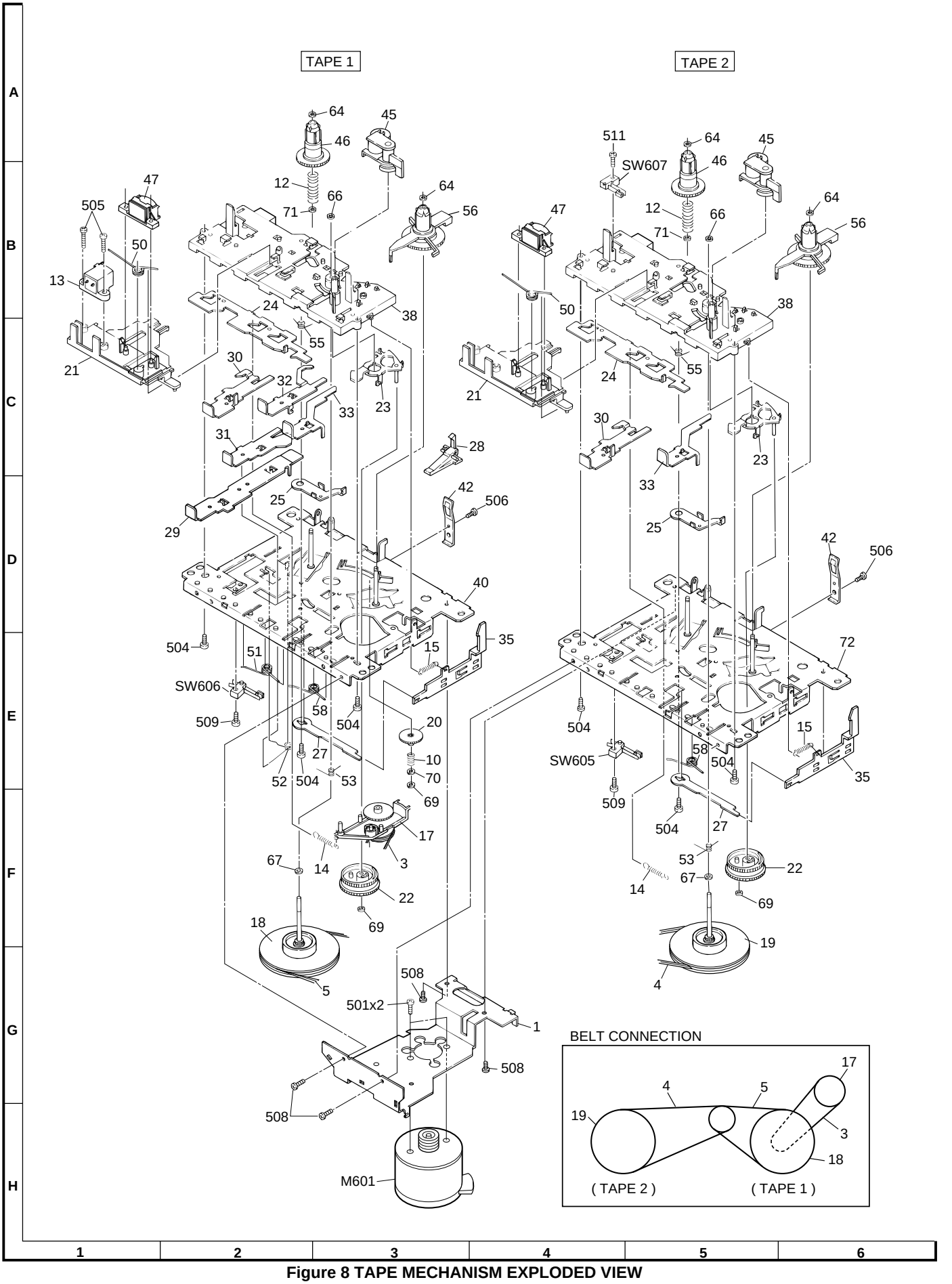


Figure 8 TAPE MECHANISM EXPLODED VIEW

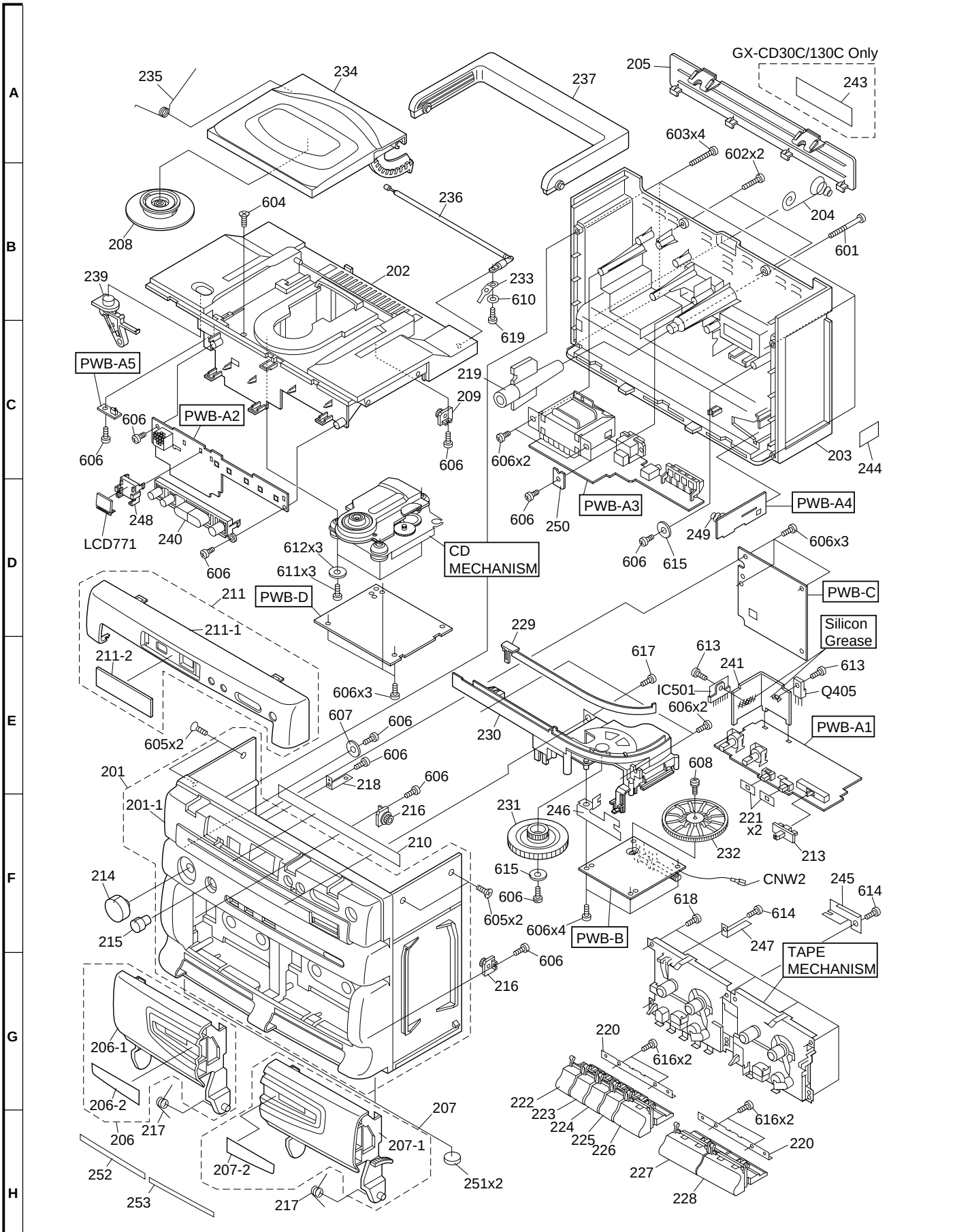


Figure 9 CABINET EXPLODED VIEW

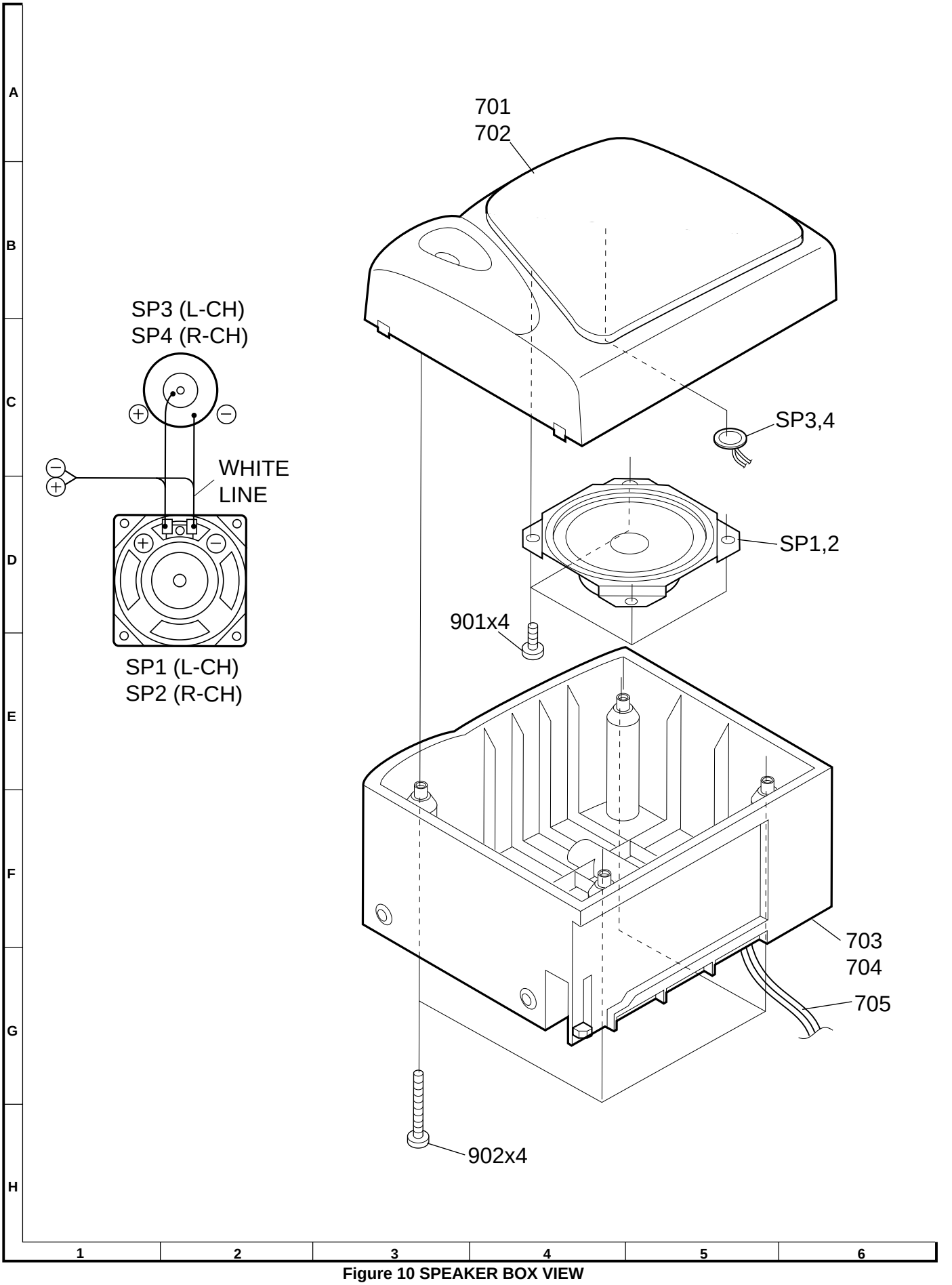
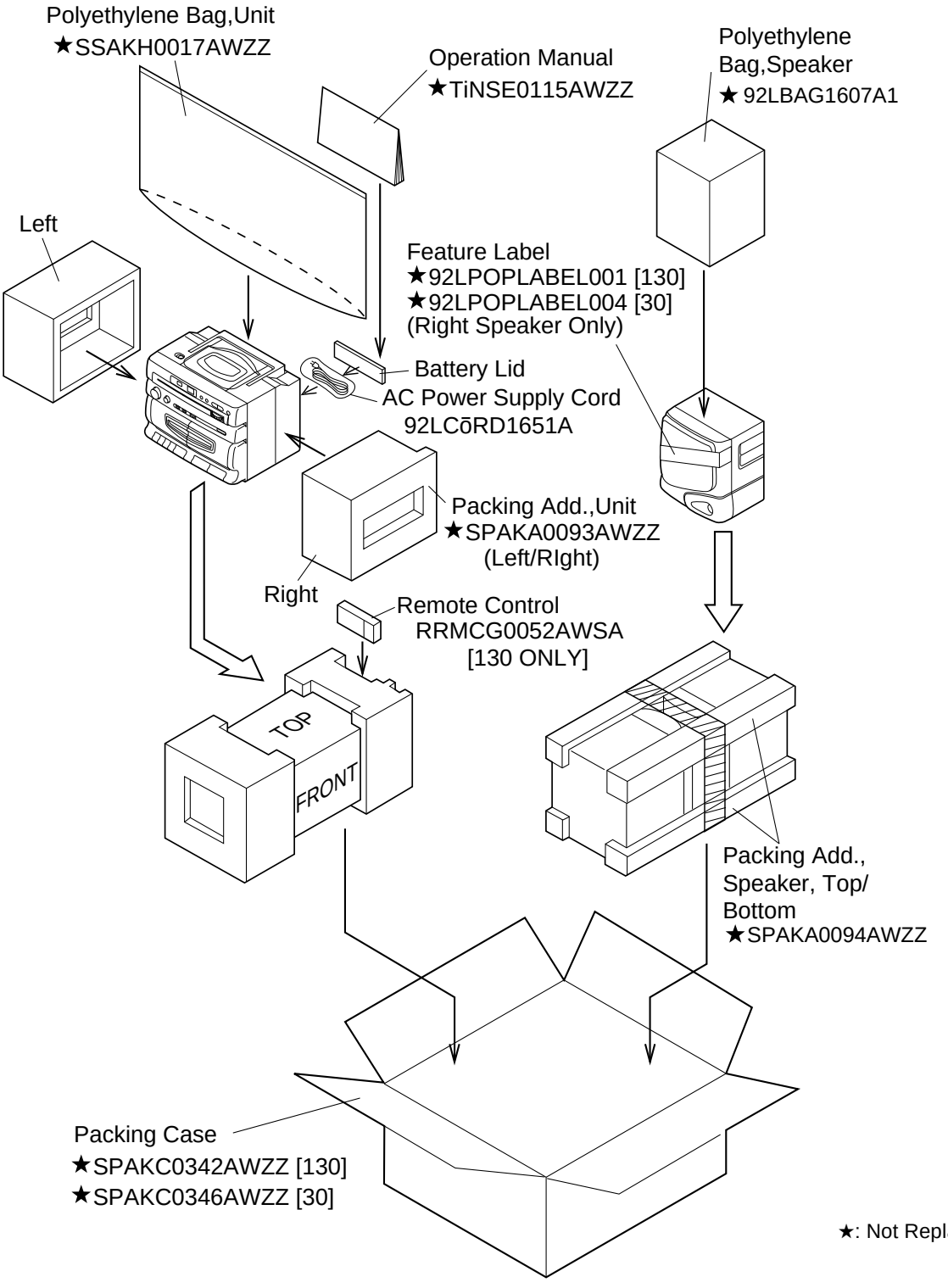


Figure 10 SPEAKER BOX VIEW

PACKING OF THE SET (FOR GX-CD30/130 ONLY)

• Setting position of switches and knobs

Tape Mechanism Control	STOP STATE
TUNING	LOW
POWER/FUNCTION	STAND-BY/TAPE
Beat Cancel Switch	LEFT
X-BASS(GX-CD130 ONLY)	OFF
TONE	CENTER



★: Not Replaceable Items

A9603-3632NS•KJ•M

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