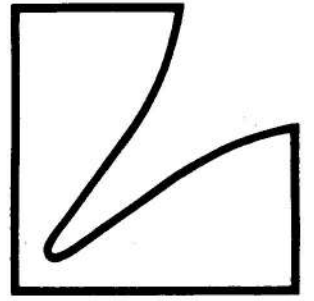
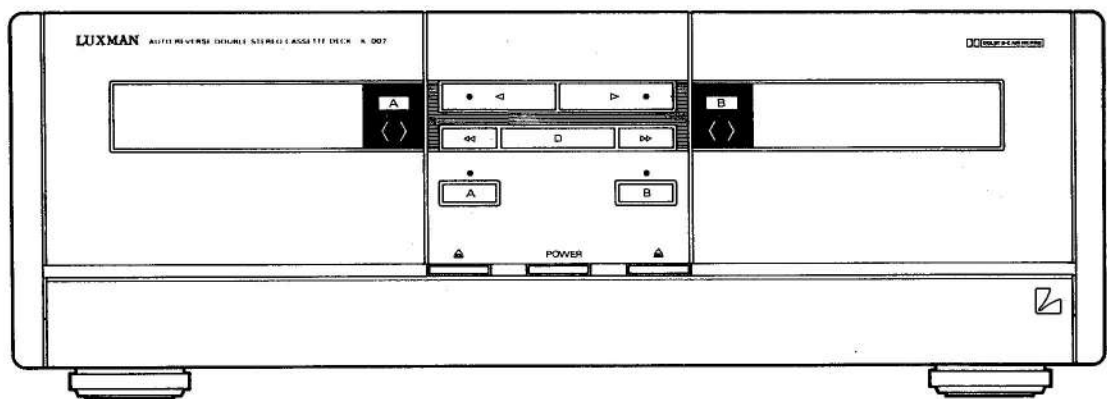


SERVICE MANUAL



Auto Reverse Double Cassette Deck **K-007**



Contents

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Specifications

[at PLAYBACK: DECK-A/B]

Output Voltage (MTT-150)	530mV±1.5dB
S/N Ratio	DOLBY OFF : 48dB
("A" Curve WTD, MTT-150)	B : 56dB
	C : 61dB
Distortion (MTT-150, DOLBY OFF)	2.5%
Frequency Response (MTT-216)	
.....	31.5Hz to 4kHz (±4dB)
Crosstalk (MTT-121)	55dB
Stereo Separation (MTT-141)	35dB

[at RECORD: DECK B]

Input Sensitivity (400Hz)	(Line In) 150mV±2dB
Output Voltage (400Hz)	530mV±3dB
S/N Ratio	DOLBY OFF : 49dB
("A" Curve MTD, Metal Position	B : 57dB
from 400Hz 3% Dist. Point)	C : 62dB
Distortion (400Hz Dolby Level)	3%
Frequency Response (-25dB Rec. Dolby OFF)	
..... NORMAL : 30Hz to 15kHz ($\pm\frac{5}{6}$ dB)	
..... CrO ₂ : 30Hz to 16kHz ($\pm\frac{5}{6}$ dB)	
..... Metal : 30Hz to 16kHz ($\pm\frac{5}{6}$ dB)	
Crosstalk (MTT-121)	55dB
Stereo Separation (MTT-141)	35dB

[RECORD: DUBBING]

Output Level (MTT-150)	530mV±3dB
S/N Ratio	Dolby OFF : 47dB
("A" Curve WTD, Metal Position,	B : 55dB
from Blank Tape P/B)	C : 60dB

Distortion (MTT-150)	3%
Frequency Response (-25dB Rec. Dolby OFF)	
..... 30Hz to 12.5kHz ($\pm\frac{8}{6}$ dB, DUB x 1)	
..... 30Hz to 10kHz ($\pm\frac{8}{6}$ dB, DUB x 2)	
Crosstalk (MTT-121)	55dB
Stereo Separation (MTT-141)	35dB

[GENERAL]

Tape Speed (MTT-111)	
..... 4.76cm/sec. ±1.5% (NORMAL, DUB x 1)	
..... 9.52cm/sec. ±1.5% (DUB x 2)	
WOW & Flutter (JIS WRMS MTT-111)	0.12%
FF/REW Time (C-60)	110sec.
Take Up Torque	30 to 70gcm
FF/REW Torque	90 to 180gcm
Power Supply Voltage	
..... AC100V, 50Hz/60Hz (JA Model Only)	
..... AC120V, 60Hz (UZ Model Only)	
..... AC220/240V, 50Hz (AD/AG Model Only)	
Power Consumption	30W
Load Impedance	47ohm
Semiconductors	12 IC's, 168 Transistors,
..... 74 Diodes, 15 Zener Diodes	
Dimensions	360(W) x 125(H) x 344(D) mm
Weight	6kg

Note: Due to continuing product improvement, specifications and design are subject to change without notice.

Controls & Jacks

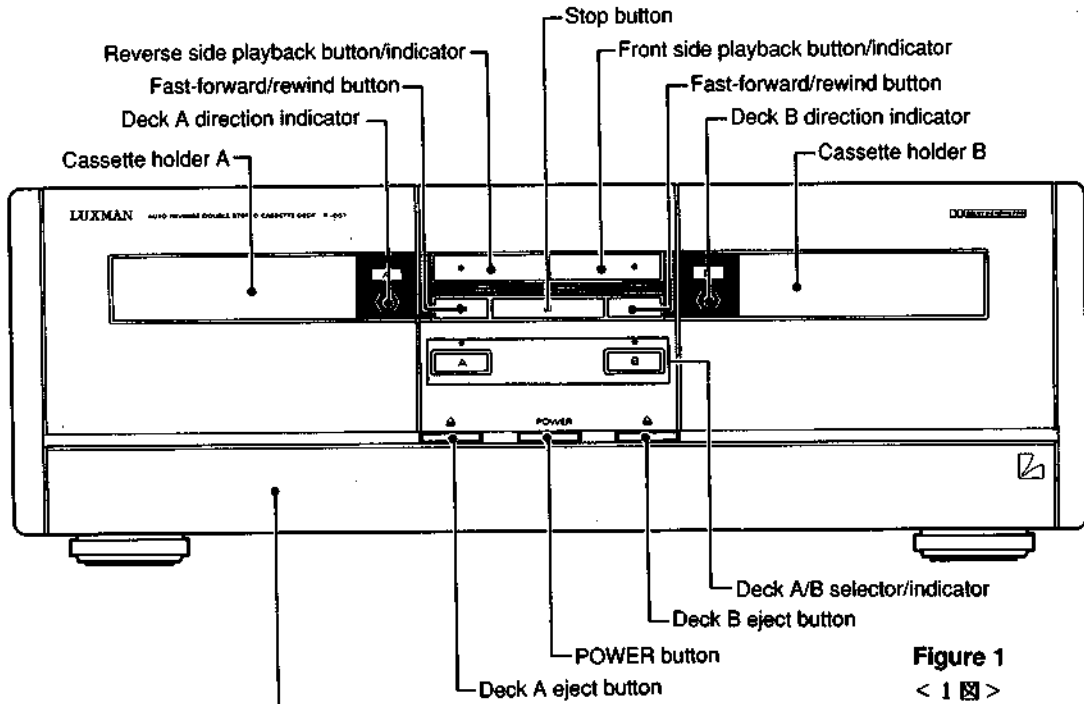


Figure 1
< 1 ☒ >

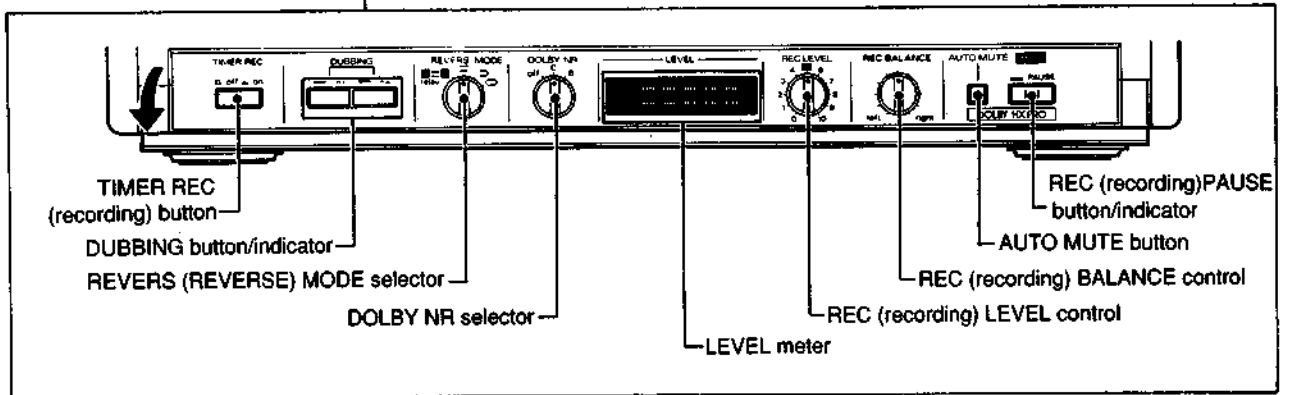


Figure 2
< 2 ☒ >

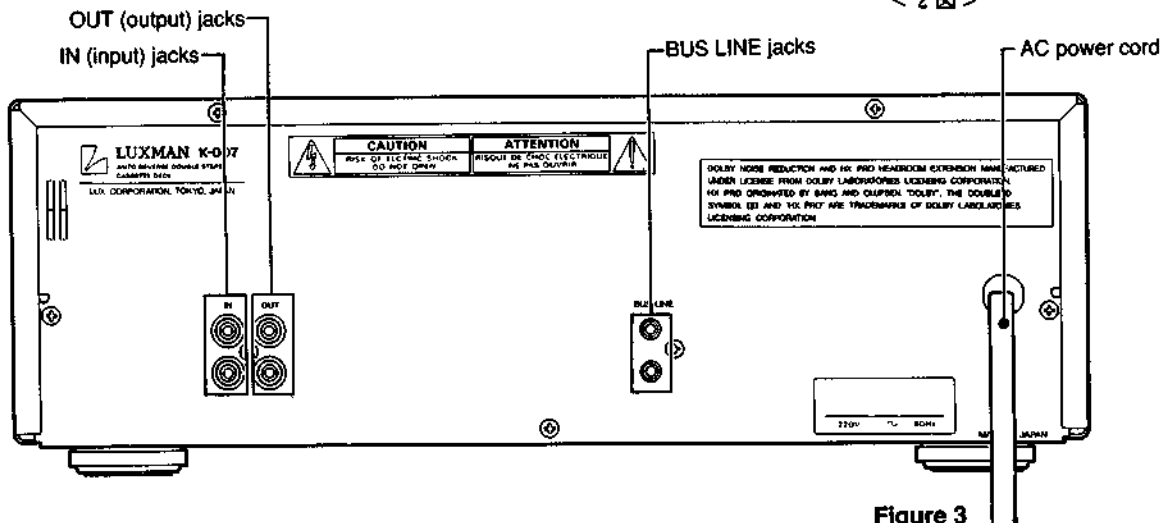


Figure 3
< 3 ☒ >

Operation Guidelines

CASSETTE INSERTION

- Turn the power on.
- Press the eject button A or B to open each cassette holder.
- Insert a cassette in the cassette holder.
- Deck A is for playback only, and no recording can be performed.
- Press the cassette holder until it is restored to the unit.
- When the cassette tape is set in place, the unit detects the cassette type and sets the optimum equalizer bias automatically.
- When recording on deck B, make sure that the tab to prevent accidental erasure is not removed. If it has been removed, the accidental erasure preventive mechanism functions and neither recording, dubbing or blank-searching can be performed.
- Select the desired Dolby NR system with the DOLBY NR selector. Select the same system for playback as that used for recording.

RECORDING

- Insert the cassette for recording in deck B, with side A facing you.
- The deck is selected automatically by inserting a cassette without pressing the deck A/B selectors.
- If the tab to prevent accidental erasure has been removed, the accidental erasure preventive mechanism functions and no recording can be performed. When you use such cassette for recording, apply plastic tape or equivalent on the tab position.
- Select the desired Dolby NR system with the DOLBY NR selector.
- Select the reverse mode with the REVERS MODE selector.

⊞ When recording on one side of the tape is completed, the tape stops.

▷ ⊞ A=B When recording on side A is completed, the head reverses to the beginning of side B.
And when recording on side B is completed, the tape stops.

- Press the REC PAUSE button. The unit enters recording pause mode and is ready to record. (The pause indicator lights.)
- Select the program source to be recorded with the REC SELECTOR of the A-007 amplifier.
- Turn the REC LEVEL control so that the maximum peak level meter reading is between 0 dB and +3dB.

- When the recording levels are uneven for the right and left channels, turn the REC BALANCE control until they are balanced.
- Press the front side playback button (▶) in recording pause mode. Recording on the front side starts.
- By pressing the AUTO MUTE button in recording pause mode or during recording, about 4 second interspacing is provided. If the button is kept pressed, more than 4 second blank can be inserted.
- To pause during recording, press the REC PAUSE button. To stop recording, press the stop button.

LOCATING A BLANK PORTION ON THE RECORDED TAPE-BLANK SEARCH FUNCTION

More than 3 minutes blank portion on the recorded tape can be located easily.

- Insert the cassette whose blank is to be located in deck B.
- Blank search does not function on the cassette without a tab to prevent accidental erasure or on deck A.
- Press the REC PAUSE button to turn on the indicator.
- Press the fast forward/rewind (◀, ▶) button.
- The unit locates a blank in fast forward mode, and enters pause mode after about 4 seconds from the beginning of the blank portion.

PLAYBACK

- Insert the cassette for playback in deck A or B.
- The deck is selected by inserting a cassette without pressing the deck A/B selector.
- Select the desired Dolby NR system with the DOLBY NR selector. Be sure to select the same system for playback as that used for recording. Otherwise, playback may not be performed properly.
- Select reverse mode with the REVERS MODE selector.

⊞ When playback of one side is completed, the tape stops.

▷ After completing playback of front side, the reverse side is played back. When playback of both sides is completed, the tape stops.

⊞ The front and the reverse sides are played back continuously.

A=B After completing playback of both sides of the tape in deck A, both sides of the tape in deck B are played back. This cycle is repeated up to 8 times. (Refer to "Relay playback" for detail.)

- Select "TAPE" (the jack to which this unit is connected) of the input select buttons of the A-007 amplifier.
- Press either playback button to play back the cassette.
 - ▶ Front side of the cassette is played back.
 - ◀ Reverse side of the cassette is played back.
- By pressing ►► or ◀◀ button during playback, you can locate the beginning of track. You can continue locating forward or reverse up to 8 tracks and start playback from the beginning of the track.
- During playback, if you change the deck to another one by pressing the deck A/B selector, the playback on the previous deck stops.
- Adjust the volume with the volume control of the A-007 amplifier.

RELAY PLAYBACK

- Insert cassettes in both deck A and B.
- The deck in which the cassette is inserted later is selected without pressing the deck A/B selector.
- Select the desired Dolby NR system with the DOLBY NR selector. Be sure to select the same system for playback as that used for recording. Otherwise, playback may not be performed properly.
- Select "A=B" with the REVERS MODE selector.
- Select deck A with the deck A/B selector. Then press ► button to play back the front side of the cassette.
- After playback of the cassette on deck A is completed, the cassette on deck B is played back. This cycle is repeated up to 8 times.

FAST FORWARD/REWINDING

- Select the deck to activate fast forwarding or rewinding with the deck A/B selector.
- In stop mode, press ◀◀ button or ►► button. To fast forward, press the button of the same direction as that shown by the direction indicator. To rewind, press the button of the opposite direction.
- Pressing ◀◀ or ►► button during playback locates the beginning of track. Neither fast forward nor rewinding can be done. To fast forward or rewind during playback, stop playback with the stop button. Then press ◀◀ or ►► button.

TO LOCATE THE BEGINNING OF TRACK

You can locate the beginning of track by pressing the fast forward or rewind button during playback.

- During playback of the front side (▶), press ►► to locate tracks after that track. Press ◀◀ to locate tracks before that track.
- During playback of the reverse side (◀), press ►► to locate tracks before that track. Press ◀◀ to locate tracks after that track.
- When you start locating at the interspace between tracks, up to 8 tracks each forward and backward can be located. When the backward locating is started during playback, the present track is located as the first one and more 7 tracks can be located. When the forward locating is started during playback, 8 tracks can be located.

DUBBING

- Insert a recorded cassette in deck A and a cassette for recording in deck B.
- The deck in which the cassette is inserted later is selected without pressing the deck A/B selector.
- Press the X1 or X2 dubbing button. To perform dubbing at normal speed, press X1. To perform dubbing at double speed, press X2. By pressing of the dubbing button, deck A enters playback mode and simultaneously deck B enters recording mode.
- The dubbing on deck B is performed with the same recording level and Dolby NR system as those applied when the tape on deck A was recorded.
- During dubbing, the REC LEVEL control and REC BALANCE control do not function.
- When the REC PAUSE button or the AUTO MUTE button is pressed during dubbing, about 4 second interspace is provided on the tape on deck B, and the unit enters pause mode. To resume dubbing, press the blinking dubbing button.
- To stop dubbing, press the stop button. (Dubbing mode is automatically cleared when the tape on deck B reaches its end.)

If the unit is connected with an L component system (A-007, D-007, T-007, etc.), the remote control, timer-activated playback/recording, synchronized recording, etc. can be performed.

REMOTE CONTROL

When the BUS LINE jacks of an L component system are connected, you can operate the following buttons on the RA-007 remote control unit supplied with the A-007 amplifier. For further details, refer to the owners' manual of the A-007 amplifier.

Fast forward/rewind button	
Reverse side playback button	
Front side playback button	
Deck A/B selector	
Stop button	
REC PAUSE button	
AUTO MUTE button	

TIMER-ACTIVATED PLAYBACK/RECORDING

- When the BUS LINE jacks of the L component system are connected, timer-activated playback/recording can be performed with the timer built in the T-007 tuner.
- Set the starting and ending time for timer-activated playback/recording with the timer of the T-007 tuner. Press the timer button to turn on the timer indicator in the display window. For further details, refer to the owners' manual of the T-007 tuner.
- For timer-activated playback, select TAPE of the input select buttons of the A-007 amplifier. For timer-activated recording, select the program source to be recorded with the REC SELECTOR of the A-007 amplifier. Also set the program source so that the unit is set to playback mode on the preset time for timer-activated recording. For further details, refer to the owners' manual of the A-007 amplifier.
- Insert the cassette for timer-activated playback or for timer-activated recording.
- Set the cassette for timer-activated recording on deck B. Make sure that the tab to prevent accidental erasure is not removed.
- Depress the TIMER REC button of this unit (ON).
- Press the POWER button of the A-007 amplifier to turn off the power of the L component system.
- Timer-activated playback or timer-activated recording will be performed at the preset time with the T-007 tuner.

SYNCHRONIZED RECORDING

When the BUS LINE jacks of the L component system are connected, synchronized recording (this unit is set to recording mode simultaneously with CD playing) can be performed simply by pressing the "synchro" button of the A-007 amplifier.

- Insert the cassette for recording in deck B.
- Adjust the recording level and balance.
- Press CD of the input select buttons and set REC SELECTOR to CD/ex. digital on the A-007 amplifier. For details, refer to the owner's manual of the A-007 amplifier.
- Load a compact disc on the D-007 compact disc player. For details, refer to the owner's manual of the D-007 compact disc player.
- Press the "synchro" button of the A-007 amplifier. D-007 starts playing and simultaneously this unit starts recording.
- When CD playing is paused during synchronized recording, this unit provides about 4 second blank on the tape and enters pause mode. When the REC PAUSE button of this unit is pressed during synchronized recording, on the contrary, the D-007 compact disc player enters pause mode simultaneously.
- When CD playing is stopped during synchronized recording, this unit provides about 4 second blank on the tape and stops recording. When the stop button of this unit is pressed during synchronized recording, on the contrary, the D-007 compact disc player stops play simultaneously.

Disassembly (Cabinet)

1. Removal of Top Cover

- (1) Remove six screws marked "●" as shown in Figure 4.
- (2) Pull out the top cover in the arrow direction as shown in Figure 4.

1. 上蓋の取り外し方

- (1) 6本のネジ "●" を外します。(4図参照)
- (2) 上蓋を矢印の方向へ引き抜きます。(4図参照)

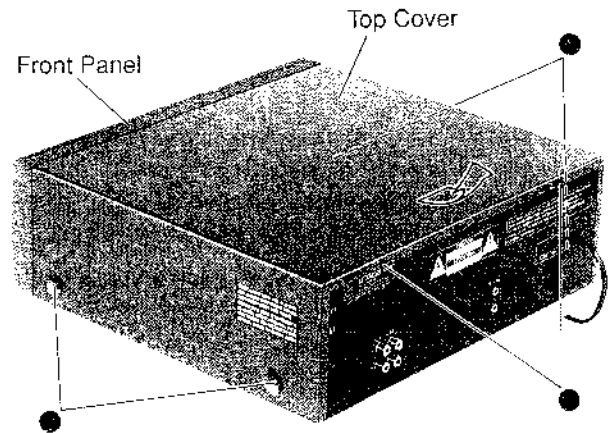


Figure 4

< 4 図 >

2. Removal of Front Panel

- (1) After removal of the top cover, remove four screws marked "○" as shown in Figure 5.
- (2) Disconnect all wires from the Deck Mechanism (A)/(B), Key Switch P.C.Board, REC Pause P.C.Board, Reverse Mode Switch P.C.Board, REC Volume P.C.Board, Dubbing Switch P.C.Board and DIR Indicator P.C.Board (A)/(B).
- (3) Front Panel with the Deck Mechanism (A)/(B), Key Switch P.C.Board, REC pause P.C.Board, Reverse Mode Switch P.C.Board, REC Volume P.C.Board, Dubbing Switch P.C.Board and DIR Indicator P.C.Board (A)/(B) can be removed completely.

2. フロントパネルの取り外し方

- (1) 上蓋を外した後、4本のネジ "○" を取り外します。(5図参照)
- (2) デッキメカ (A) (B)、キースイッチ基板、RECポーズ基板、リバーモードスイッチ基板、RECボリューム基板、ダビングスイッチ基板、DIR表示基板 (A) / (B) からすべてのワイヤーを外します。
- (3) デッキメカ (A) / (B) のフロントパネルと、キースイッチ基板、RECポーズ基板、リバーモードスイッチ基板、RECボリューム基板、ダビングスイッチ基板、DIR表示基板 (A) / (B) は完全に取り外せます。

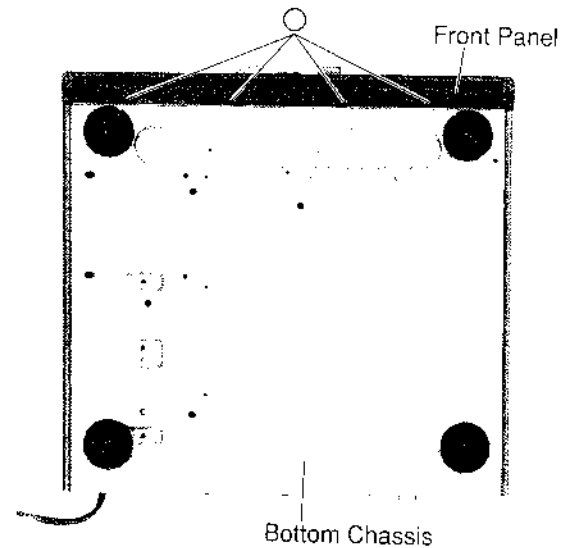


Figure 5

< 5 図 >

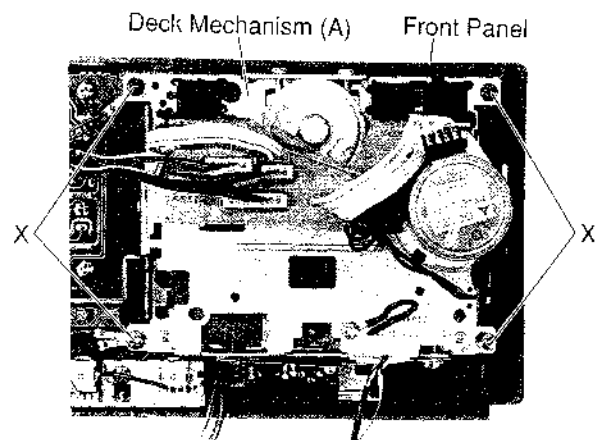


Figure 6

< 6 図 >

3. Removal of Deck Mechanism (A)

- (1) After removal of the front panel, remove a spring as shown in Figure 7.

Note: When the eject switch lever is pressed, the spring removed in 2 - (1) is released and the eject switch remains in the depressed position. When fixing the spring, apply bond to each end of the spring.

- (2) Remove four screws marked "X" as shown in Figure 6.

3. デッキメカ (A) の取り外し方

- (1) フロントパネルを取り外した後、スプリングを外します。

(7 図参照)

《注意》イジェクト SW レバーを押すと 2 - (1) で外したバネが外れ、イジェクト SW が押したままの状態になりますので、バネ取付け時、バネ両端をボンド付けて下さい。

- (2) 4 本のネジ "X" を外します。(6 図参照)

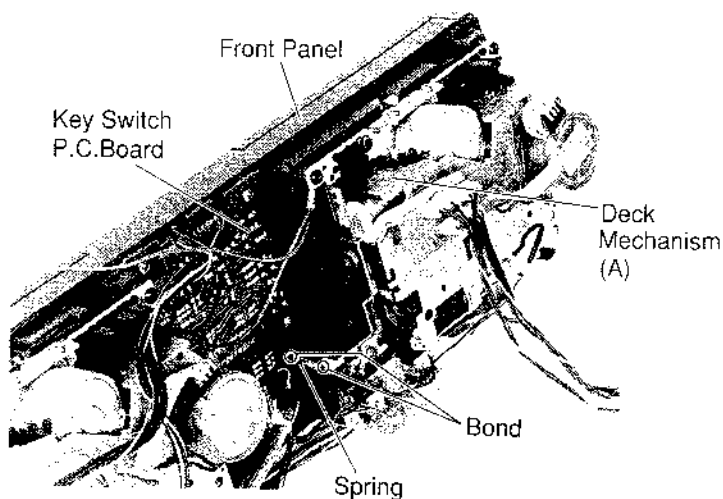


Figure 7

< 7 図 >

4. Removal of Deck Mechanism (B)

- (1) Remove four screws and a spring as same as removing the deck Mechanism (A).

4. メカデッキ (B) の取り外し方

- (1) メカデッキ (A) と同様に、4 本のネジとスプリングを取り外します。

5. Removal of DIR Indicator P.C.Board (A)

- (1) After removal of the deck mechanism (A), open the cassette holder.
 (2) Remove the cassette cover in the direction of the arrow as shown in Figure 8.
 (3) Remove two hooks (A) as shown in Figure 9.

5. D I R 表示基板 (A) の取り外し方

- (1) メカデッキ (A) を取り外してカセットホルダーを開けます。
 (2) カセットカバーを矢印の方向に外します。(8 図参照)
 (3) 2 箇所のフック (A) を外します。(9 図参照)

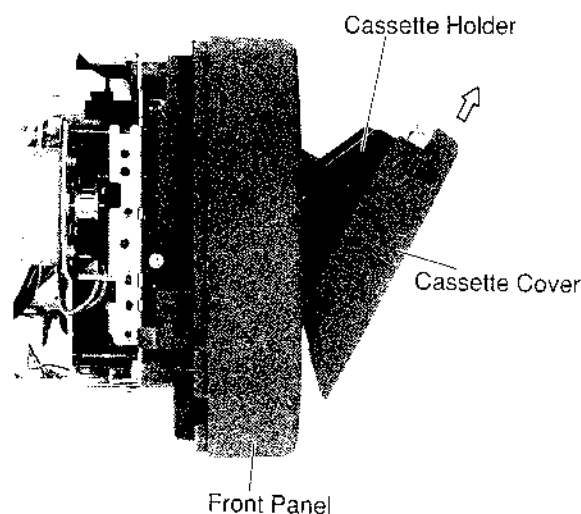


Figure 8

< 8 図 >

6. Removal of DIR Indicator P.C.Board (B)

- (1) After removal of the deck mechanism (B), remove the cassette cover and two hooks as same as removing the DIR indicator P.C.Board (A).

6. D I R 表示基板 (B) の取り外し方

- (1) メカデッキ (B) を外してから、カセットカバーと 2 箇所のフックを D I R 表示基板 (A) と同様に取り外します。

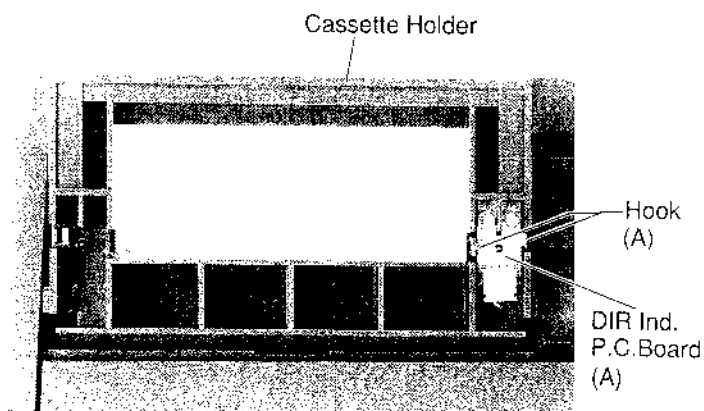


Figure 9

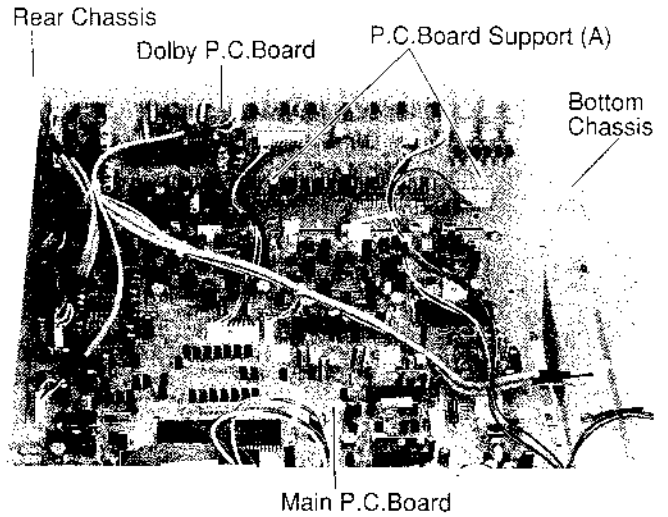
< 9 図 >

7. Removal of Dolby P.C.Board

- (1) After removal of the top cover, remove two P.C.Board supports (A), by pushing the "B" point as shown in Figures 10 and 11.
- (2) Disconnect all connectors from the P.C.Board.

7. ドルビー基板の取り外し方

- (1) 上蓋を外した後、2箇所の基板サポート（A）をB部を押して、外します。（10図、11図参照）
- (2) 基板からコネクタをすべて外します。



Main P.C.Board

Figure 10

< 10 図 >

8. Removal of Main P.C.Board

- (1) After removal of the front panel and dolby P.C.Board, remove five screws marked "Δ" as shown in Figures 12 and 13.
- (2) Remove four P.C.Board supports (B), by pushing "B" point as shown in Figures 12 and 11.
- (3) Disconnect all wires from the P.C.Board.

8. メイン基板の取り外し方

- (1) フロントパネル及びドルビー基板を取り外した後、5本のネジ“Δ”を外します。（12図、13図参照）
- (2) 4箇所の基板サポート（B）をB部を押して外します。（12図、11図参照）
- (3) 基板からワイヤーを全て外します。

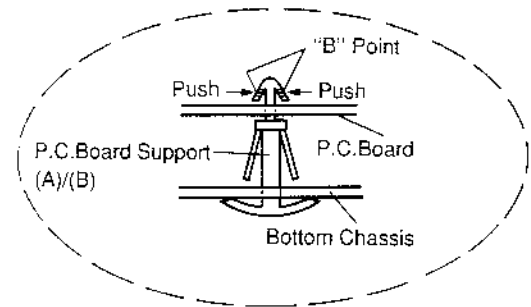


Figure 11

< 11 図 >

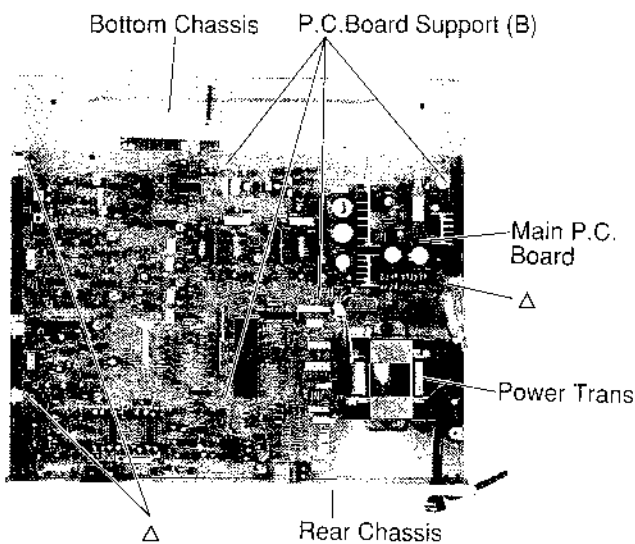


Figure 12

< 12 図 >

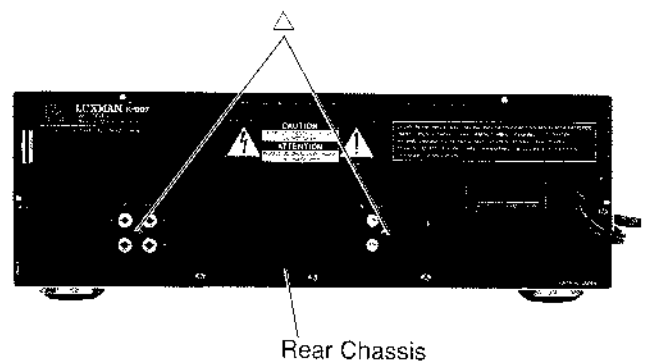


Figure 13

< 13 図 >

Disassembly (Deck Mechanism)

1. Removal of Control P.C.Board - (1) to (3)

- (1) Remove three hooks (A) as shown in Figure 14 and 15.
- (2) Disconnect all wires from the control P.C.Board - (1).
- (3) Pull out the control P.C.Board - (1) to (3) in the direction of the arrow, by removing two hooks (B) as shown in Figure 1.

1. コントロール基板 (1) ~ (3) の取り外し方

- (1) 3本のフック (A) を外します。(14図、15図参照)
- (2) コントロール基板 (1) からワイヤーを全て外します。
- (3) 2本のフック (B) を外し、コントロール基板 (1) ~ (3) を矢印の方向に引き抜きます。(1図参照)

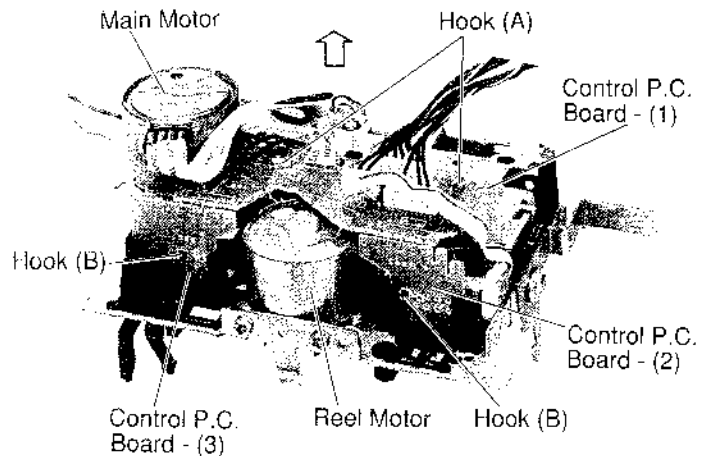


Figure 14
< 14図 >

2. Removal of Main Motor

- (1) After removal of the control P.C.Board - (1) to (3), remove the main motor bracket by removing three screws marked "O" as shown in Figure 14.
- (2) Remove two screws marked "X" as shown in Figure 16.

2. メインモーターの取り外し方

- (1) コントロール基板 (1) ~ (3) を取り外した後、3本のネジ "O" を外し、メインモーターブラケットを取り外します。(14図参照)
- (2) 2本のネジ "X" を外します。(16図参照)

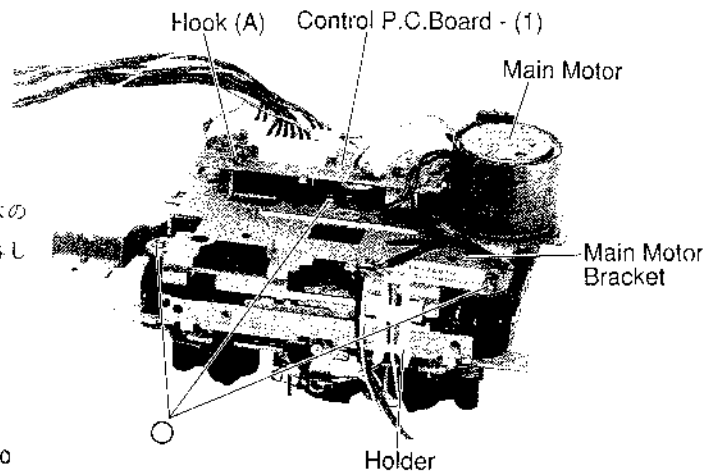


Figure 15
< 15図 >

3. Removal of Control P.C.Board - (4)

- (1) After removal of the main motor bracket, remove two flywheels by removing two washers (A) as shown in Figures 17 and 18.
- (2) Remove the hook (B) as shown in Figure 18.

3. コントロール基板 (4) の取り外し方

- (1) メインモーターブラケットを取り外した後、2枚のワッシャー (A) を外して、2個のフライホイールを引き抜きます。(17図、18図参照)
- (2) フック (B) を取り外します。(18図参照)

4. Removal of Control P.C.Board - (5)

- (1) After removal of two flywheels, remove two hook (C) as shown in Figure 18.

4. コントロール基板 (5) の取り外し方

- (1) 2個のフライホイールを引き抜いた後、2本のフック (C) を外します。(18図参照)

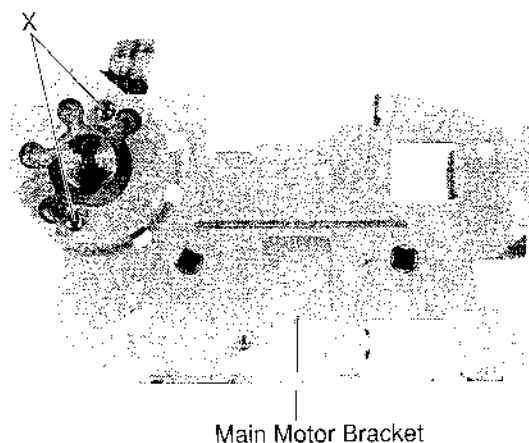


Figure 16
< 16図 >

5. Removal of Head

- (1) Remove two screws marked "△" after removing the holder as shown in Figures 15 and 18.

5. ヘッドの取り外し方

- (1) ホルダー外し、2本のネジ"△"を外します。(15図、18図参照)

6. Removal of Reel Motor

- (1) After removal of two flywheels, remove two pinch rollers by removing two hooks (D) as shown in Figure 18.
- (2) Remove the head bracket, by removing a spring and a screw marked "□" as shown in Figures 18 and 19.
- (3) Remove a spring (B) as shown in Figure 19.
- (4) Remove the play arm by removing a hook (E) as shown in Figure 19.
- (5) Remove the slide plate with cam gear as shown in Figure 19.
- (6) Remove the hold lever by removing a spring (C) as shown in Figure 18.
- (7) Remove two screws marked "*" as shown in Figure 18.

6. リールモーターの取り外し方

- (1) 2個のフライホイールを外した後、2本のフック(D)を外し、2つのピンチローラーを取り外します。(18図参照)
- (2) スプリング及びネジ"□"を外し、ヘッドブラケットを取り外します。(18図、19図参照)
- (3) スプリング(B)を取り外します。(19図参照)
- (4) フック(E)を取り外し、プレイアームを外します。(19図参照)
- (5) スライドプレートとカムギアを取り外します。(19図参照)
- (6) スプリング(C)を取り外し、ホールドレバーを外します。(18図参照)
- (7) 2本のネジ"*"を外します。(18図参照)

7. Removal of Solenoid

- (1) After removal of the play arm, remove a screw marked "☆" as shown in Figure 18.

7. ソレノイドの取り外し方

- (1) プレイアームを取り外した後、ネジ"☆"を外します。(18図参照)

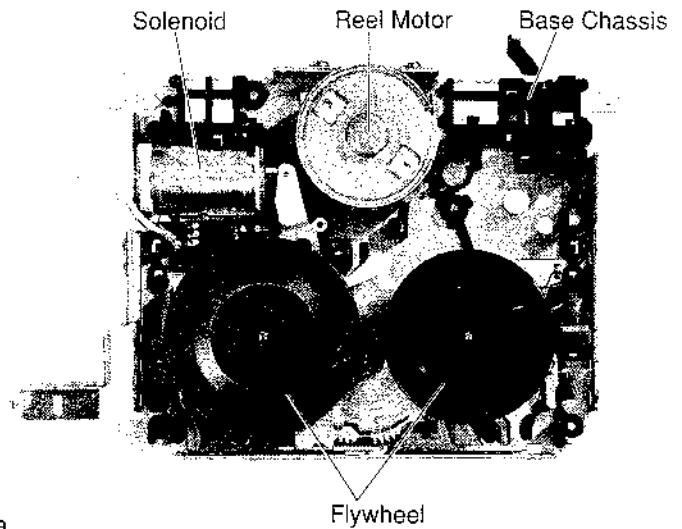


Figure 17
< 17 図 >

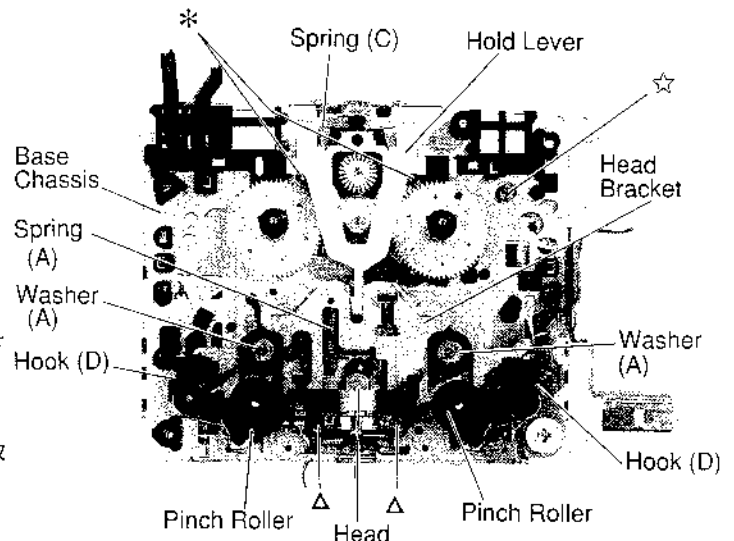


Figure 18
< 18 図 >

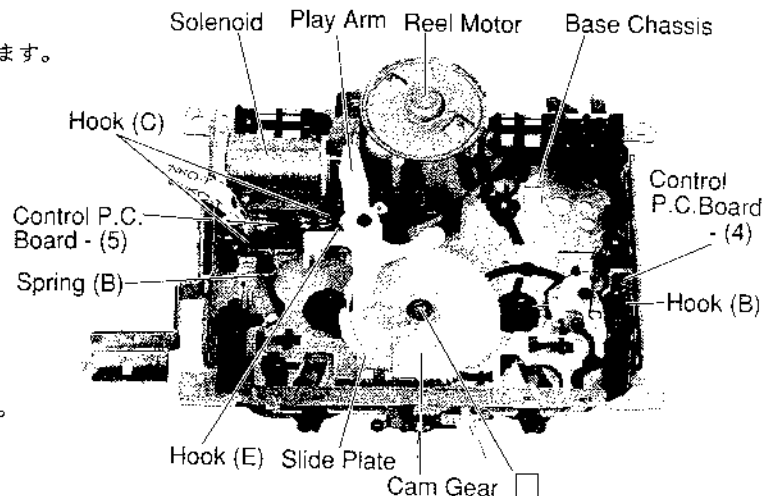


Figure 19
< 19 図 >

Adjustments

1. Quick Reverse Adjustment

- (1) Make the connections as shown in Figure 20 and turn the power ON.
- (2) Insert a blank tape into deck A and adjust VR6061 so that the TP6002 output is 2 V DC when the tape is played back.
- (3) Insert a blank tape into deck B as in (2) for deck A, and adjust VR6062 so that the TP6001 output is 2 V DC when the tape is played back.
- (4) Insert test tape AC712 into both decks and make sure that the TP6002 and TP6001 outputs are 0.6 V or less (preferably lower) when the tape is played back.

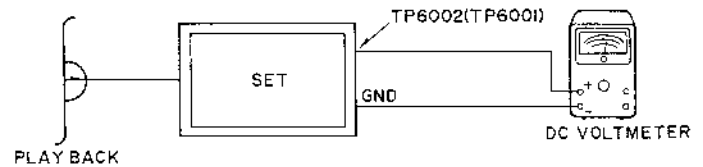


Figure 20
< 2 0 図 >

1. クイックリバース調整

- (1) 20図の様に接続し、電源をONします。
- (2) "A" DECKにBLANK TAPE (テープ無し) を挿入し再生した時、TP6002の出力がDC 2Vになる様、VR6061で調整する。
- (3) (2)と同様に"B" DECKにBLANK TAPEを挿入し再生した時、TP6001の出力がDC 2Vになる様、VR6062で調整する。
- (4) テストテープAC712を各デッキに挿入し再生したとき、TP6002、TP6001の出力がそれぞれ0.6V以下(低い程望ましい)になっていることを確認します。

2. Tape Speed (Double Speed Dubbing) Adjustment

- (1) Make the connections as shown in Figure 21 and turn the power ON.
- (2) Ground TP6071, insert the test tape MTT-111N (3 kHz, -10 dB) into deck A and play it back. Adjust VR6072 so that the line output becomes 6.000 Hz when the tape is played back.
- (3) Ground TP6072 as in (2) for TP6071, insert the test tape into deck B and adjust VR6074 so that the line output becomes 6.000 Hz when the tape is played back.

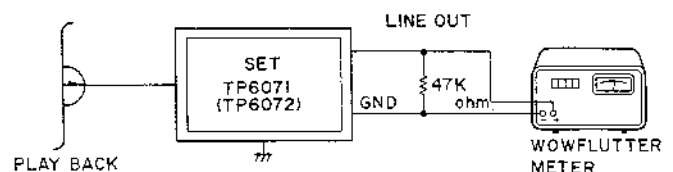


Figure 21
< 2 1 図 >

2. テープスピード (2倍速ダビング) 調整

- (1) 21図の様に接続し電源をONします。
- (2) TP6071をGNDに落とし、"A" DECKにテストテープMTT-111N (3kHz-10dB) を挿入し再生します。この時ライン出力の出力が6,000Hzになる様、VR6072で調整します。
- (3) (2)と同様に、TP6072をGNDに落とし、"B" DECKにテストテープを挿入し、再生した時のライン出力の出力が6,000Hzになる様VR6074で調整します。

3. Tape Speed (Same Speed Dubbing) Adjustment

- (1) Make the connections as shown in Figure 21 and turn the power ON.
- (2) Insert test tape MTT-111N (3 kHz, -10 dB) into deck A and play it back. Adjust VR6071 so that the line output during playback becomes 3.000 Hz i.e. that the wow and flutter is 0.12% (JIS WTD) or less.
- (3) Insert the test tape into deck B as in deck A and adjust VR6073 so that the line output becomes 3.000 Hz when the tape is played back. Make sure that the wow and flutter at that time is 0.12% (JIS WTD) or less.

3. テープスピード（等速ダビング）調整

- (1) 21図の様に接続し電源をONします。
- (2) "A" DECKにテストテープMTT-111N (3 kHz -10 dB)を挿入し再生します。この時、ライン出力の出力が3,000 Hzかつワウフラッターが0.12% (JIS WTD)以下になる様VR6071で調整します。
- (3) (2)と同様に、"B" DECKにテストテープを挿入し、再生した時のライン出力の出力が3,000 Hzになる様、VR6073で調整します。この時、ワウフラッターが0.12% (JIS WTD)以下であるか確認します。

4. Playback Output Adjustment

- (1) Make the connections as shown in Figure 22 and turn the power ON.
- (2) Insert test tape MTT150 into deck A and play it back. Adjust VR2001 (VR2002) so that the line output L(R) becomes 550 mV.
- (3) Insert the test tape into deck B as in deck A and adjust VR2101 (VR2102) so that the line output L (R) becomes 550 mV.

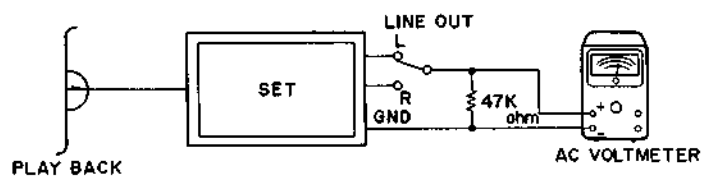


Figure 22

< 22図 >

4. 再生出力調整

- (1) 22図の様に接続し、電源をONします。
- (2) "A" DECKにテストテープMTT150を挿入し再生します。この時、ライン出力L (R)の出力が550 mVになる様、VR2001 (VR2002)で調整します。
- (3) (2)と同様に、"B" DECKにテストテープを挿入し再生した時、ライン出力L (R)の出力が550 mVになる様、VR2101 (VR2102)で調整します。

5. Head Azimuth Adjustment

- (1) Make the connections as shown in Figure 23 and turn the power ON.
- (2) Insert test tape MTT114N (10 kHz, -10 dB) and play it back. Adjust the head azimuth adjustment screws of deck A, as shown in Figure 30, so that the right and left line outputs are maximum and have the same phase in both the normal and reverse direction.
- (3) Insert the test tape into deck B as in deck A and adjust the head azimuth adjustment screws of deck B, as shown in Figure 31, so that the right and left line outputs are maximum and have the same phase in both the normal and reverse direction.

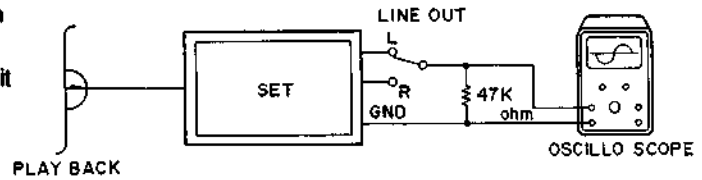


Figure 23

< 2 3 図 >

5. ヘッドアジマス調整

- (1) 2 3 図の様に接続し電源をONします。
- (2) "A" DECK にテストテープ MTT 1 1 4 N (1 0 K H z - 1 0 d B) を挿入し再生します。この時、左右のライン出力の出力がノーマル、リバース側について最大かつ同位相になる様 "A" DECK のヘッドアジマス調整ネジ (3 0 図参照) で調整します。
- (3) (2) と同様に "B" DECK にテストテープを挿入し、再生した時、左右のライン出力の出力がノーマル、リバース側について最大かつ同位相である様 "B" DECK のヘッドアジマス調整ネジ (3 1 図参照) で調整します。

6. Input Sensitivity Check

- (1) Make the connections as shown in Figure 24 and turn the power ON.
- (2) Insert the metal tape (TDK AC-712) into deck B and set to REC PLAY mode. Set the REC LEVEL volume to the maximum.
- (3) Input the 400 Hz/150 mV +/-2 dB (oscillator output) signal into the line input in the mode set in (2) and make sure that the line output is 550 mV at that time.

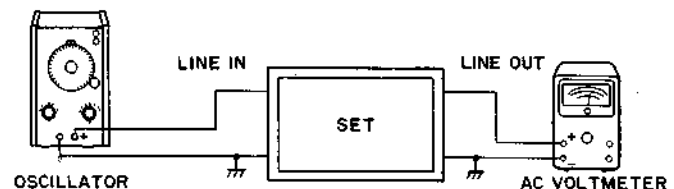


Figure 24

< 2 4 図 >

6. 入力感度確認

- (1) 2 4 図の様に接続し、電源をONします。
- (2) "B" DECK に METAL TAPE (TDK AC - 7 1 2) を挿入し、REC PLAY 状態にします。この時 REC LEVEL ボリュームを最大にします。
- (3) (2) の状態でライン入力に 4 0 0 H z 、 1 5 0 m V ± 2 d B (オシレーター出力) の信号を入力した時、ライン出力の出力が 5 5 0 m V であることを確認します。

7. Meter Adjustment

- (1) Make the connection as shown in Figure 24 and turn the power ON.
- (2) Insert the metal tape (TDK AC-712) into deck B and set to REC PLAY mode. Set the REC LEVEL volume to the maximum.
- (3) Input the 400 Hz/150 mV \pm 2 dB (oscillator output) signal to the line input in the mode set in (2), and adjust the line output to 550 mV at that time. Adjust VR8001 (VR8002) observing the level meter of the set so that all the level indicator lamps of L (R) light up at once, and then readjust it so that the +6 indicator lamp goes out.

7. メーター調整

- (1) 24図の様に接続し、電源をONします。
- (2) "B" DECKにMETAL TAPE (TDK AC-712) を挿入し、REC PLAY状態にします。
この時REC LEVELボリュームを最大にします。
- (3) (2) の状態でライン入力に400Hz、150mV \pm 2dB (オシレーター出力) の信号を入力した時、ライン出力を550mVに合わせます。次にセットのレベルメーターを見ながらVR8001 (VR8002) を調節し、L (R) のLEVEL表示灯を一旦全灯させ、+6の表示灯が消える様、VR8001 (VR8002) で調整します。

8. Bias Adjustment

- (1) Make the connections as shown in Figure 25 and turn the power ON.
- (2) Insert the metal tape (TDK AC-712) into deck B and set to REC PLAY mode.
- (3) Adjust L5101 so that the TP5101 output becomes 105 kHz \pm 0.1 kHz in the mode set in (2).

8. バイアス調整

- (1) 25図の様に接続し、電源をONします。
- (2) "B" DECKにMETAL TAPE (TDK AC-712) を挿入しREC PLAY状態にします。
- (3) (2) の状態でTP5101の出力が105kHz \pm 0.1 kHzになる様L5101で調整します。

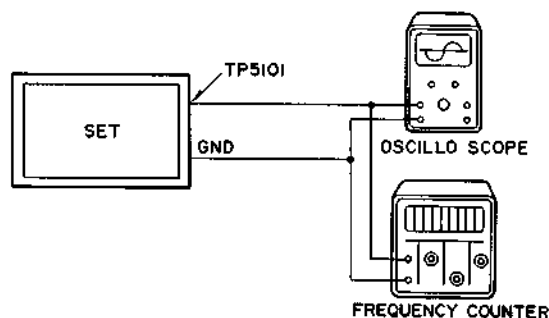


Figure 25
< 25図 >

9. HX Coil Peak Adjustment

- (1) Make the connections as shown in Figure 26 and turn the power ON.
- (2) Insert the metal tape (TDK AC-712) into deck B and set to REC PLAY mode.
- (3) Set the metal bias volume VR5071 (VR5072) to the maximum in the mode set in (2). Adjust L5051 (L5052) so that the output of TP5005 (TP5006) becomes maximum.

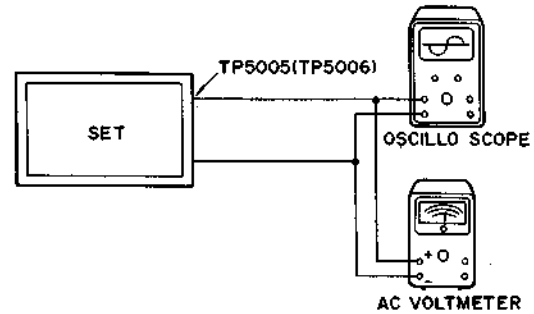


Figure 26
< 26図 >

9. HXコイルピーク調整

- (1) 26図の様に接続し、電源をONします。
- (2) "B" DECKにMETAL TAPE (TDK AC-712) を挿入し、REC PLAY状態にします。
- (3) (2) の状態でMETALバイアスポリュームVR5071 (VR5072) を最大にします。次にTP5005 (TP5006) の出力が最大になる様、L5051 (L5052) で調整します。

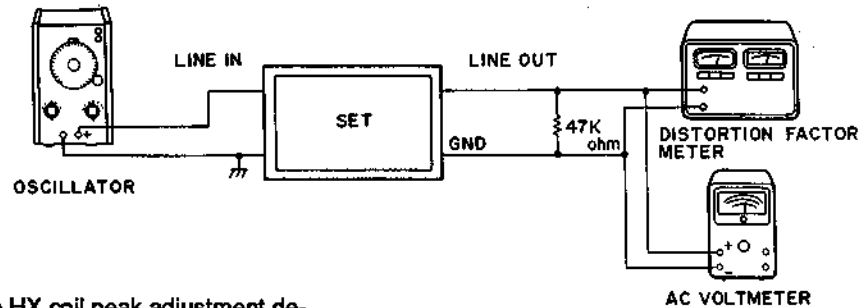


Figure 27
< 27図 >

10. REC/PLAY Adjustment

- (1) After having finished the HX coil peak adjustment described in Item 9, temporarily adjust VR5071 (VR5072) so that the TP5005 (TP5006) output becomes 65 mV.
- (2) Make the connections as shown in Figure 27, input 400 Hz/ 150 mV \pm 2 dB (oscillator output) to the line input, insert the metal tape (TDK AC-712) into deck B and record on it. (Set the REC LEVEL volume to the maximum.)
- (3) Adjust VR5001 (VR5002) so that the line output L (R) becomes 550 mV with a distortion of 1 to 2% when the recorded section is played back.

10. REC/PLAY調整

- (1) 項目9のHXコイルピーク調整が終わった状態でTP5005 (TP5006) の出力が65 mVになる様VR5071 (VR5072) を仮調整します。
- (2) 次に27図の様に接続し、400 Hz 150 mV \pm 2 dB (オシレーター出力) ライン入力に入力し、"B" DECKにMETAL TAPE (TDK AC-712) を挿入し、録音します。(この時REC LEVEL ボリュームは最大とする)
- (3) (2) で録音した部分を再生した時、ライン出力L (R) の出力が550 mV、歪1~2%になる様、VR5001 (VR5002) で調整します。

11. Adjustment of the REC/PLAY frequency response

- (1) Make the connections as shown in Figure 28 and turn the power ON.
- (2) Insert the metal tape (TDK AC-712) into deck B and set to REC PLAY mode. Set the REC LEVEL volume to the maximum.
- (3) Input the signal that has been reduced by 25 dB from the 400 Hz/150 mV \pm 2 dB signal (DOLBY LEVEL reference input) to the line input, and set the output value of the line output L (R) to the reference value.
- (4) Adjust VR5071 (VR5072) so that the output value of the line output L (R) becomes equal to the reference value when the signal that has been reduced by 25 dB from the 12.5 kHz/150mV \pm 2 dB signal is input to the line input.
- (5) Insert the CrO₂ tape (TDK AC-512) as in (2), and set to REC PLAY mode. Input the signal that has been reduced by 25 dB from the 400 Hz/150 mV \pm 2 dB signal (DOLBY LEVEL reference input), and set the output value of the line output L (R) to the reference value as in (3) and (4). Adjust VR5073 (VR5074) so that the output level when the 12.5 kHz/-25 dB signal is input becomes equal to the reference value.
- (6) Insert the normal tape (TDK AC-223) as in (2), and set to REC PLAY mode. Input the signal that has been reduced by 25 dB from the 400 Hz/150 mV \pm 2 dB signal (DOLBY LEVEL reference input), and set the output value of the line output L (R) to the reference value as in (3) and (4). Adjust VR5075 (VR5076) so that the output level when the 12.5 kHz/-25 dB signal is input becomes equal to the reference value.

* When making the adjustments, follow the items 1 through 11 strictly in this order.

11. REC/PLAY周波数特性調整

- (1) 28図の様に接続し電源をONにします。
- (2) "B" DECKにMETAL TAPE (TDK AC-712) を挿入し、REC PLAY状態にします。この時、REC LEVELボリュームは最大にします。
- (3) (2) の状態でライン入力に400 Hz、150 mV \pm 2 dB (DOLBY LEVEL基準入力) から-25 dBだけ下げた状態の信号を入力した時のライン出力L (R) の値を基準値とします。
- (4) ライン入力に12.5 KHz、150 mV \pm 2 dBの信号から-25 dB下げた状態の信号を入力した時、ライン出力L (R) の出力値が基準値と等しくなる様、VR5071 (VR5072) で調整します。
- (5) (2) と同様にCrO₂ TAPE (TDK AC-512) を挿入し、REC PLAY状態にします。次に(3) (4) と同様に400 Hz、150 mV \pm 2 dB (DOLBY LEVEL基準入力) から-25 dB下げた状態の信号を入力した時のライン出力L (R) の値を基準値とし、12.5 KHz-25 dBの信号を入力した時の出力の値が基準値と等しくなる様VR5073 (VR5074) で調整します。
- (6) (2) と同様にノーマル TAPE (TDK AC-223) を挿入し、REC PLAY状態にします。次に(3) (4) と同様に400 Hz、150 mV \pm 2 dB (DOLBY LEVEL基準入力) から-25 dB下げた状態の信号を入力した時のライン出力L (R) の値を基準値とし、12.5 KHz-25 dBの信号を入力した時の出力の値が基準値と等しくなる様、VR5075 (VR5076) で調整します。

※調整は項目1～11に順序よく行なって下さい。

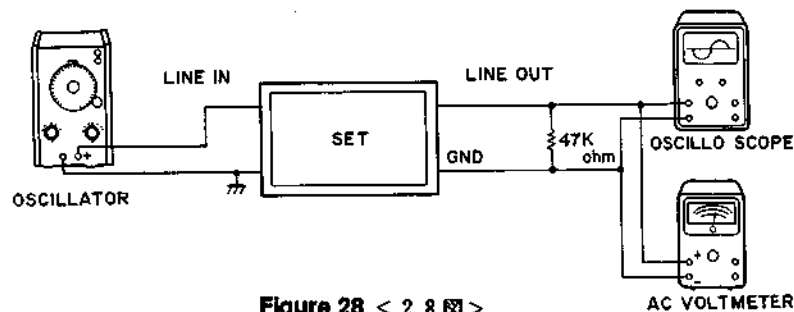
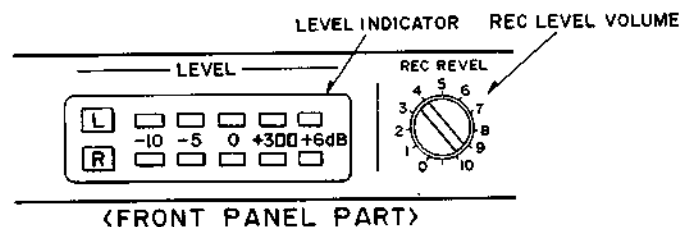


Figure 28 < 28図 >



< FRONT PANEL PART >

Figure 29 < 29図 >

Adjustment Points

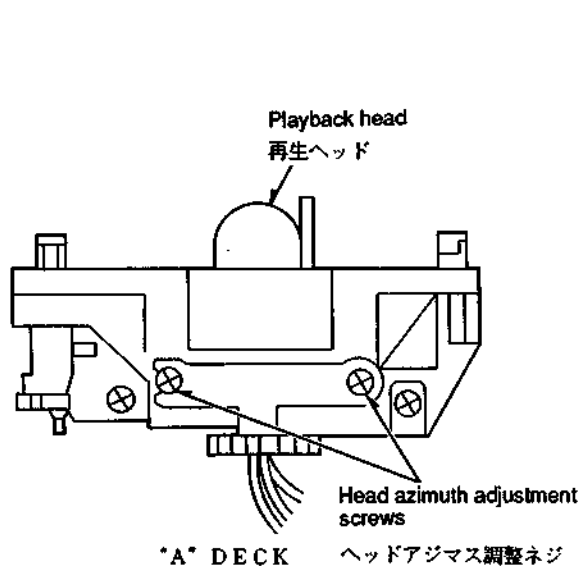


Figure 30
< 3 0 図 >

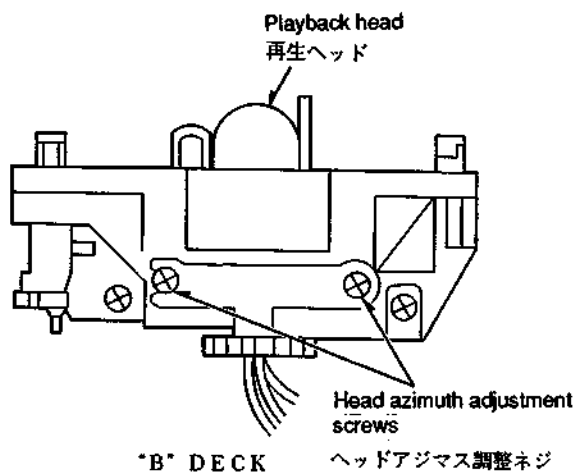


Figure 31
< 3 1 図 >

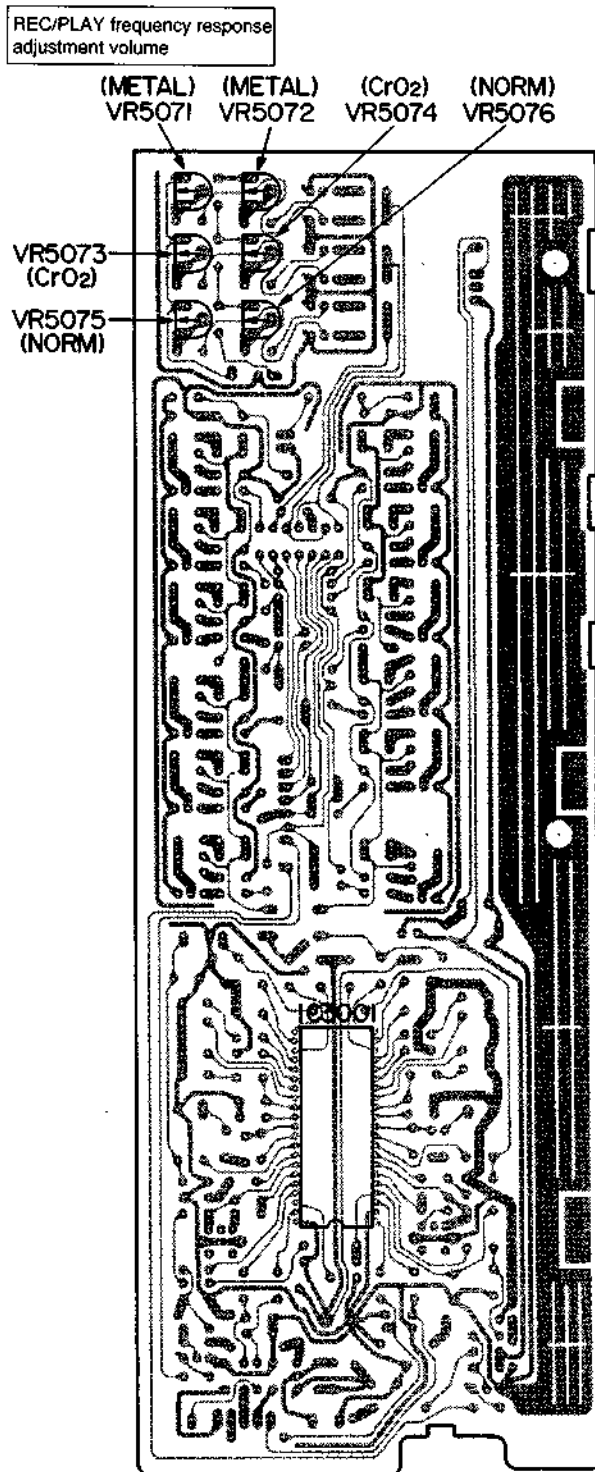


Figure 32 Dolby PC Board (Component side)
< 3 2 図 > ドルビー基板 (部品面)

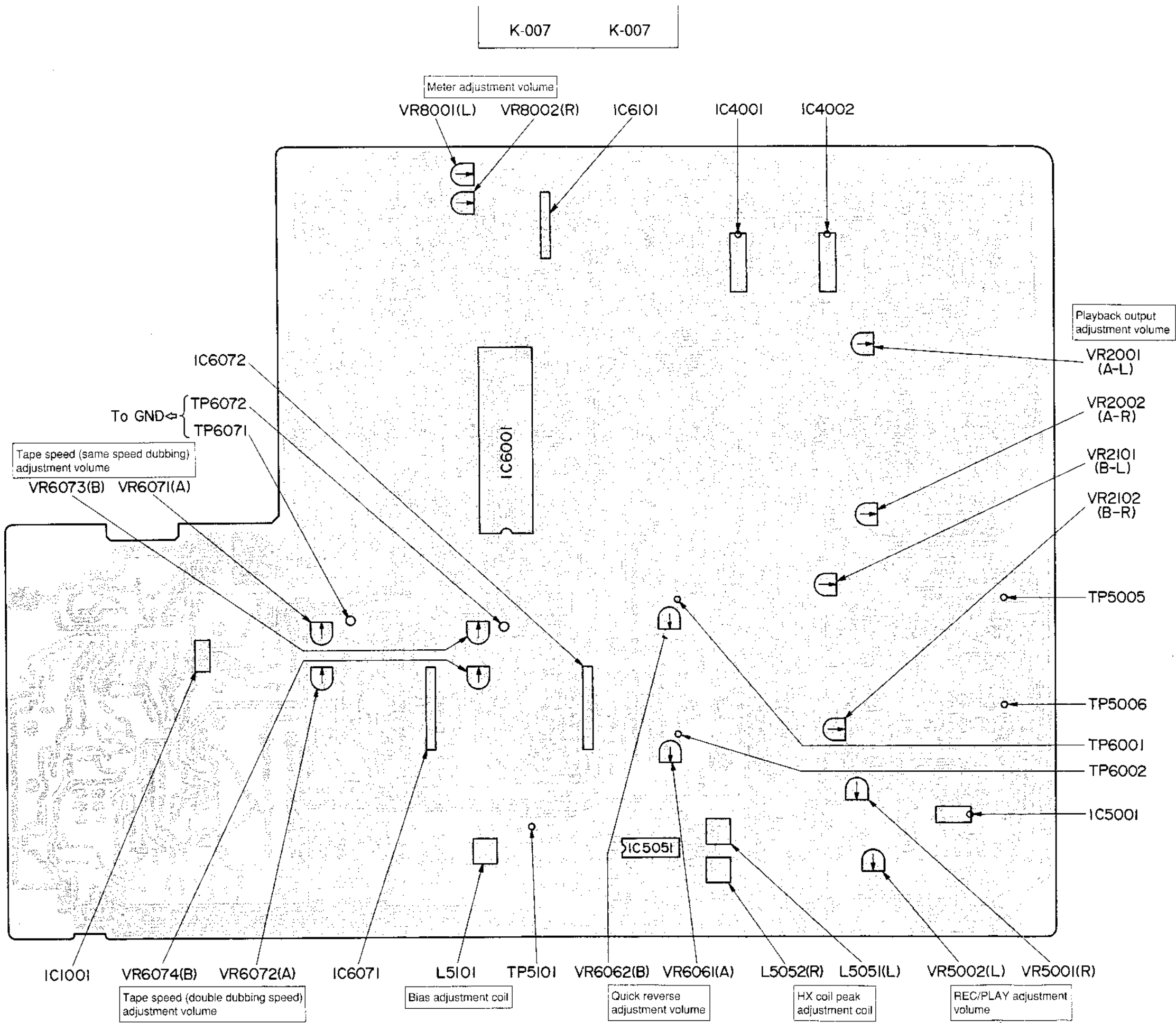
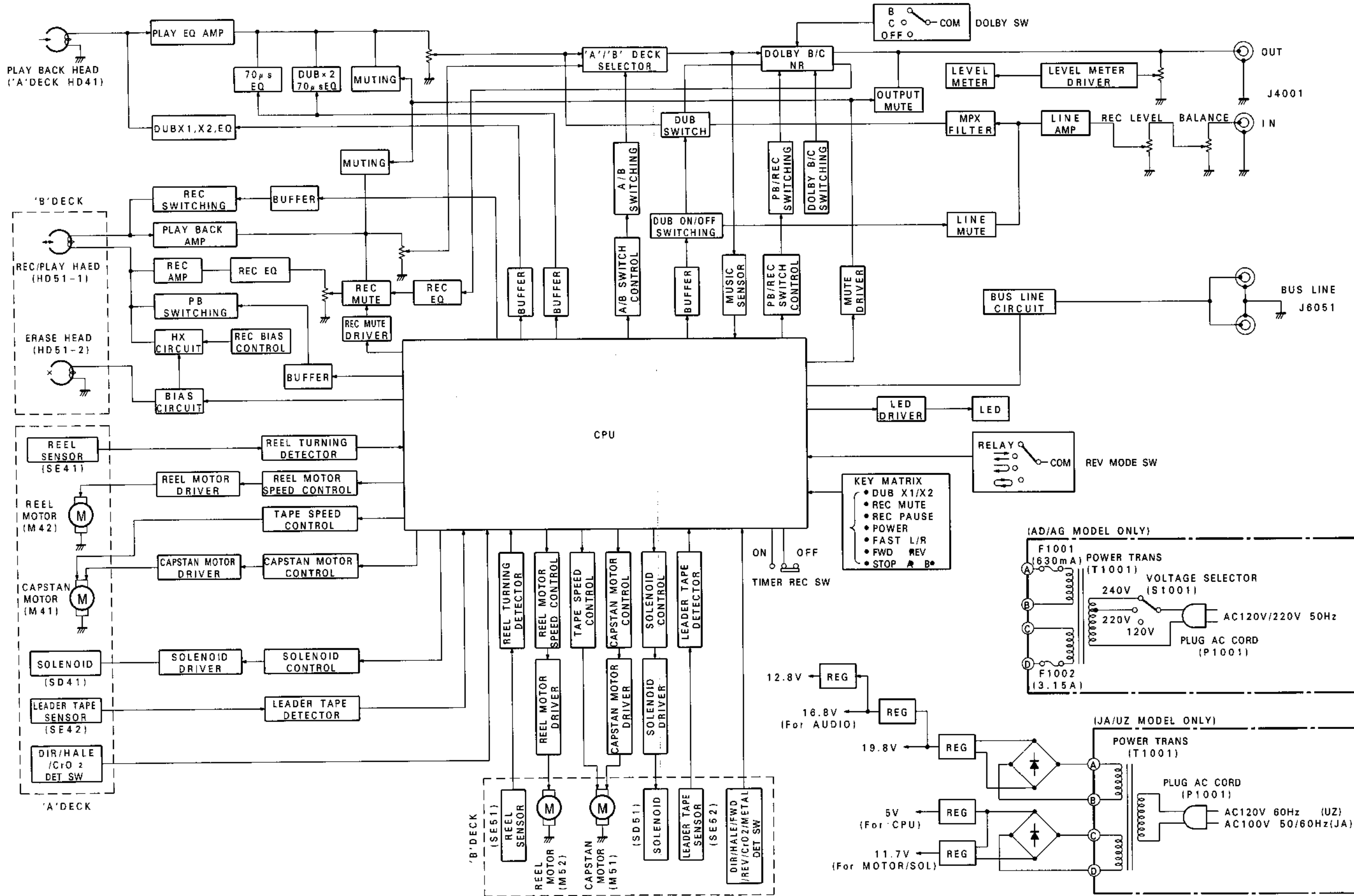


Figure 33 Main PC Board (Component side)

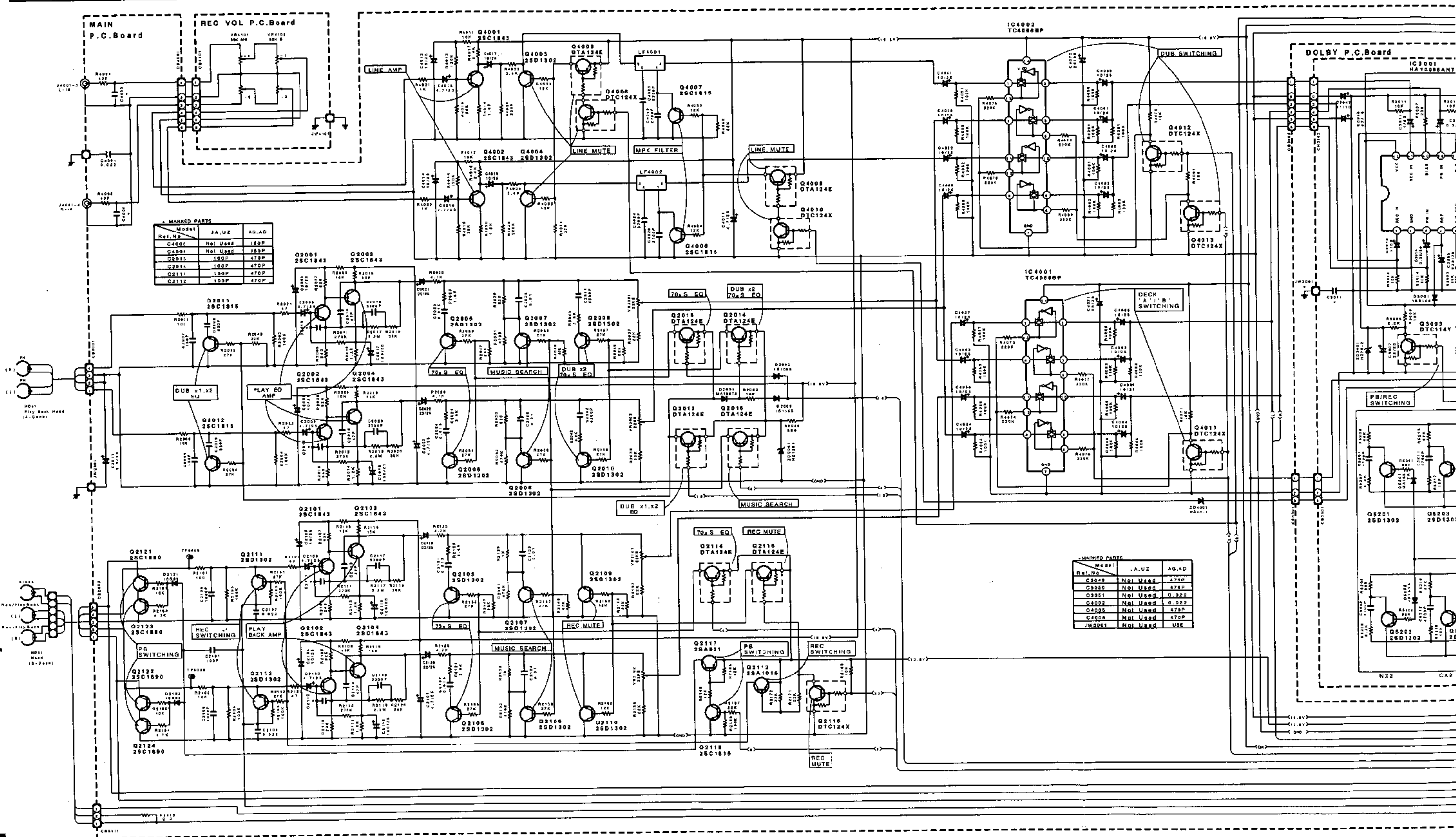
< 3 3 図 > メイン基板 (部品面)

Block Diagram



Schematic Diagram (1/3)

IC 5	IC 4002 IC 4001										IC 3001											
TRANSISTORS (Q)	Q2011 Q2012		Q2001 Q2003		Q2005 Q2006		Q4001 Q4002		Q4003 Q4004		Q4005 Q4006		Q4007 Q4008		Q4009 Q4010		Q4012		Q4013		Q3003	
	Q2121 Q2122		Q2101 Q2103		Q2105 Q2106		Q2107 Q2108		Q2007 Q2008		Q2009 Q2010		Q2011 Q2012		Q2013 Q2014		Q2015 Q2016		Q4011		Q3201 Q3202	
	Q2123 Q2124		Q2102 Q2104																		Q3203 Q3204	



MARKED PARTS

Model	JA,UZ	AG,AD
Q4003	Not Used	150P
Q4004	Not Used	150P
Q2013	150P	470P
Q2014	150P	470P
Q2111	150P	470P
Q2112	150P	470P

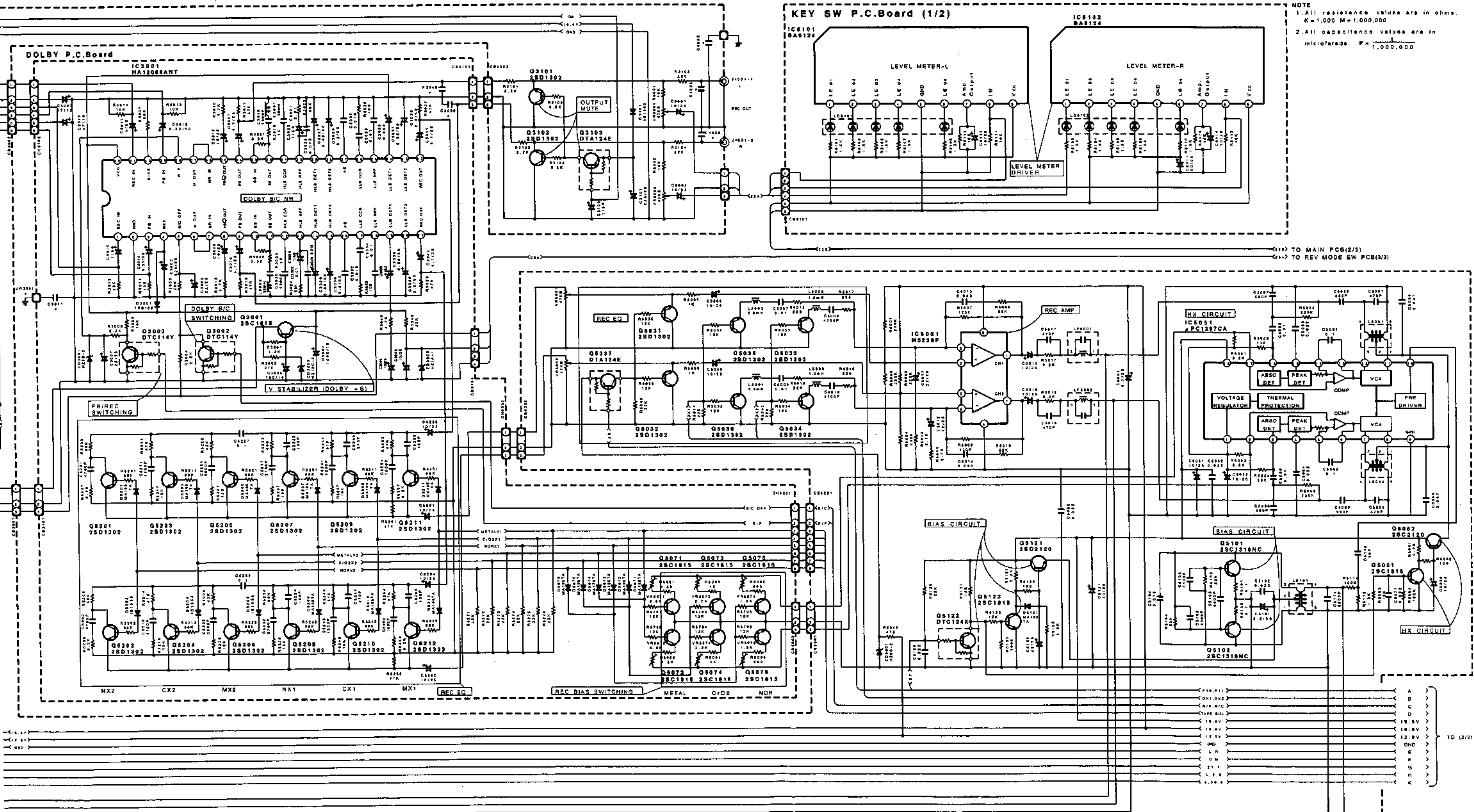
MARKED PARTS

Model	JA,UZ	AG,AD
C3049	Not Used	470P
C3050	Not Used	470P
C3051	Not Used	0.22
C3052	Not Used	0.22
C4005	Not Used	470P
C4006	Not Used	470P
JW301	Not Used	USE

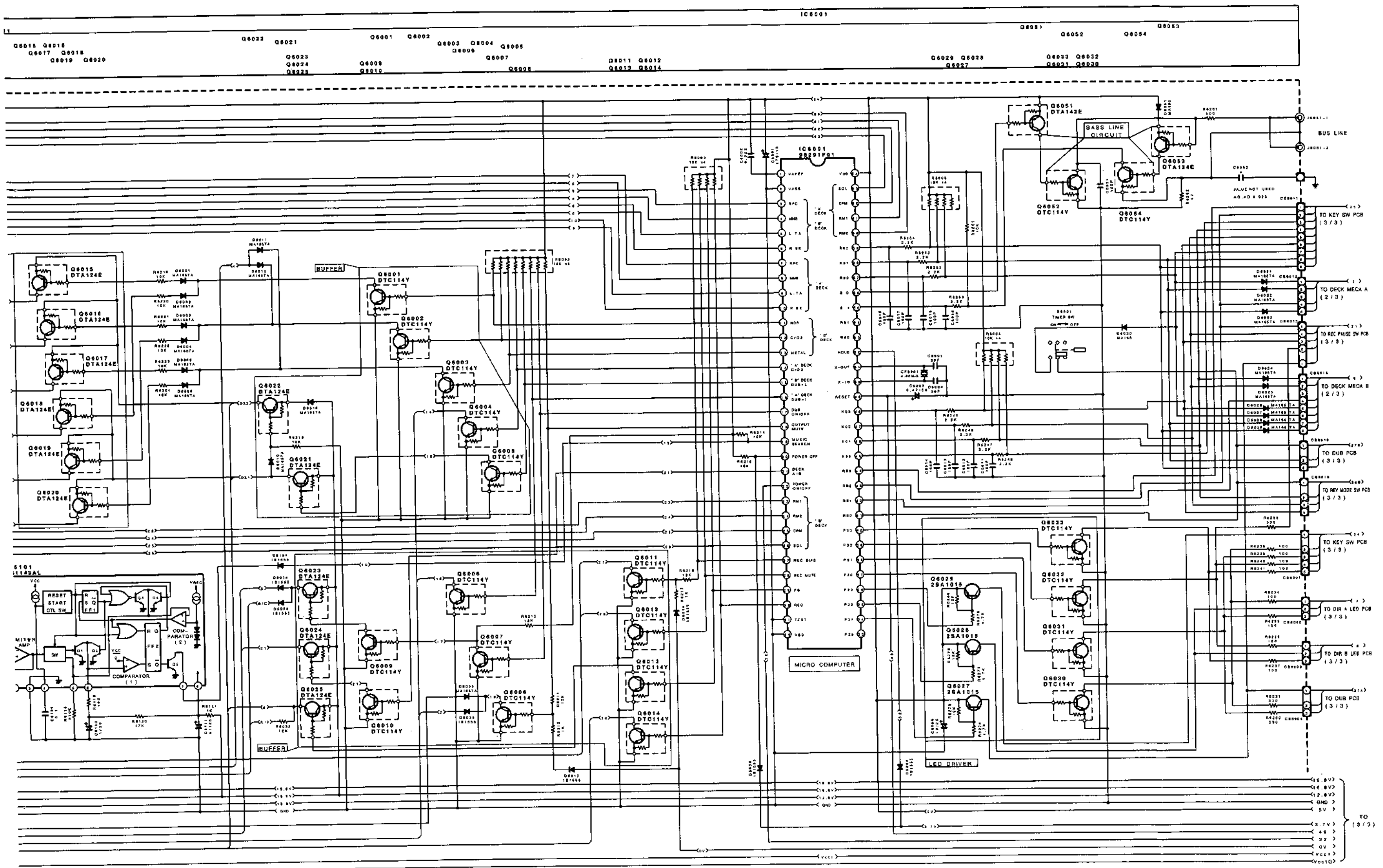
A | B | C | D | E | F | G | H

IC3001			Q3101 Q3102				Q3103 Q3037		Q5031 Q5032 Q5074 Q5072		Q5035 Q5036 Q5075 Q5076		Q5033 Q5034 Q5078 Q5076		Q6122 Q5123 Q5121		Q5101 Q5102		Q5092 Q5091	
Q3003	Q3002	Q3001	Q3007	Q3009	Q3011	Q5201	Q5203	Q5205	Q5206	Q5208	Q5210	Q5211	Q5212							
Q5202	Q5204	Q5209	Q5208	Q5210	Q5212															

NOTE
 1. All resistance values are in ohms.
 K=1,000 M=1,000,000
 2. All capacitance values are in
 microfarads. P=1,000,000

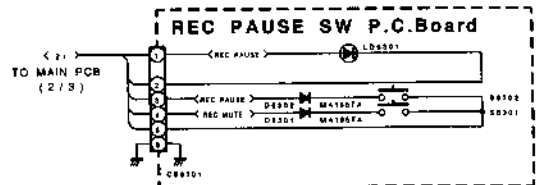
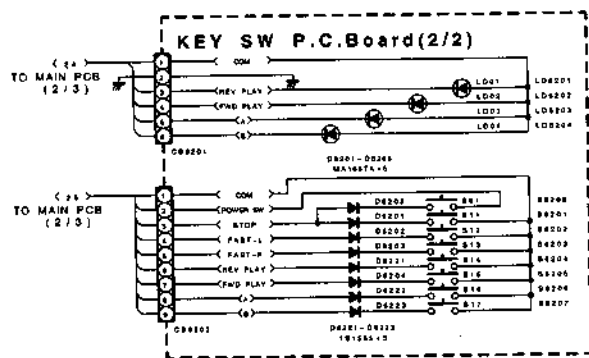


K-007

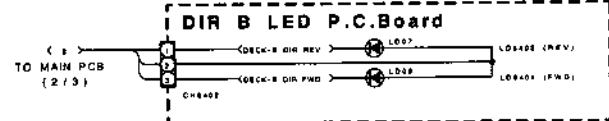


Schematic Diagram (3/3)

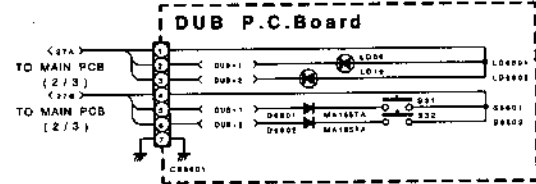
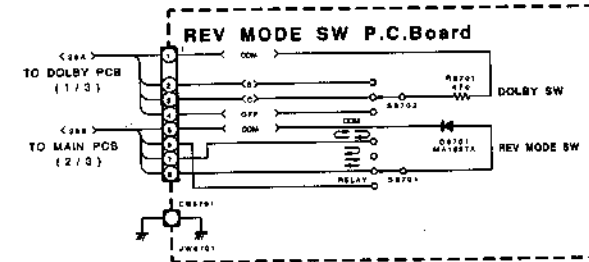
IC'S	IC1001										
TRANSISTORS (Q)	Q1024	Q8026		Q1001	Q1002		Q1009	Q1011	Q1012		
	Q1033	Q1032	Q1031			Q1003	Q1004	Q1005	Q1006	Q1007	



NOTE
 1. All resistance values are in ohms. K=1,000 M=1,000,000
 2. All capacitance values are in microfarads. P=1,000,000
 Voltage Measuring Conditions
 1. Power Supply Voltage
 2. Measuring Meter
 3. Measuring Point Reference
 4. Measuring Condition

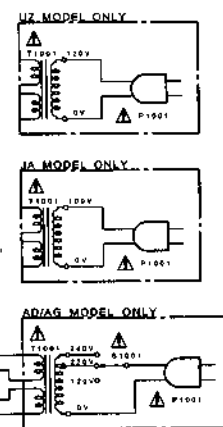
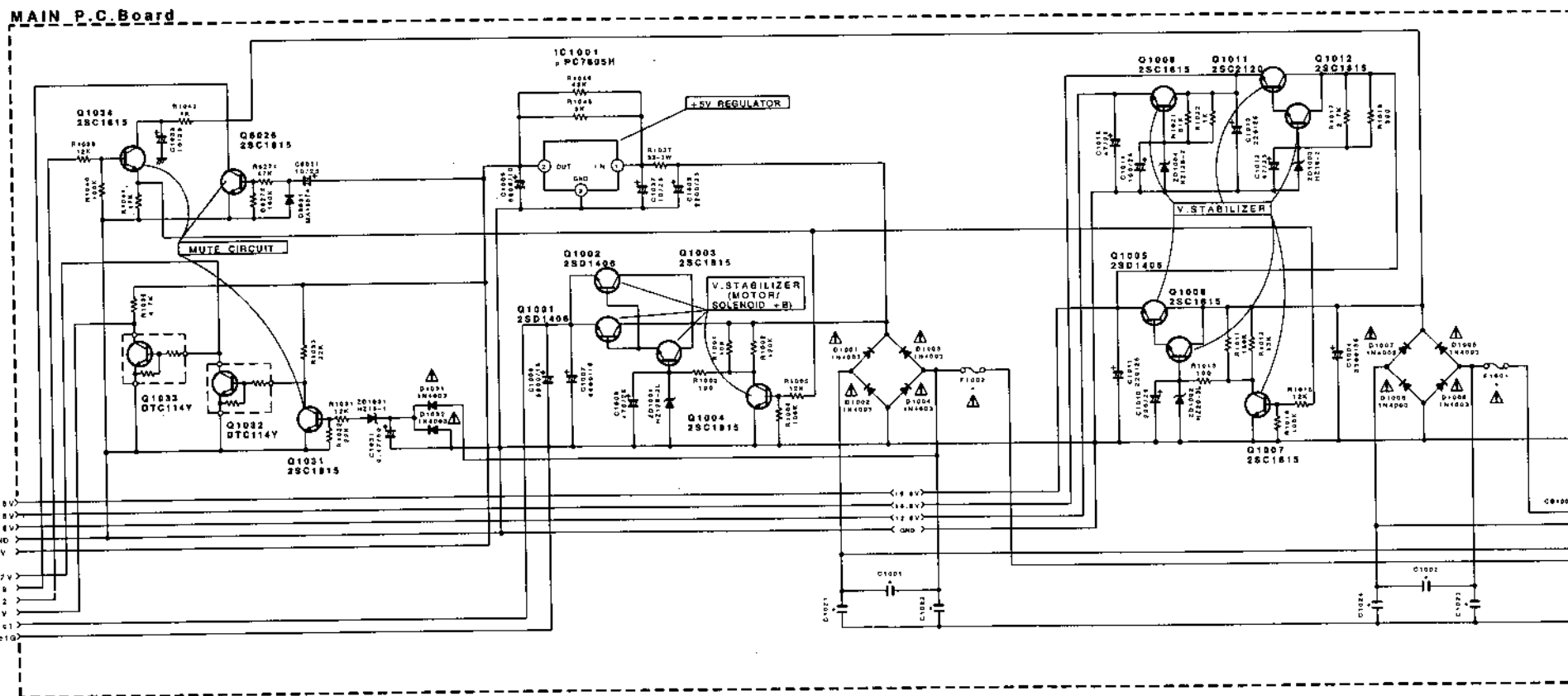


CAUTION:
 The Δ mark, the symbol NO. in a box in the schematic diagram and the shaded area in the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list.

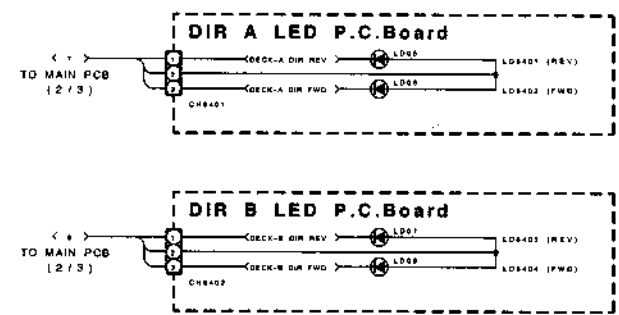
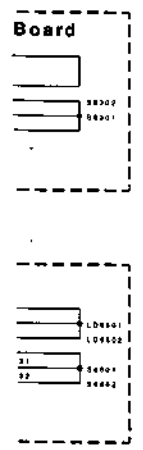
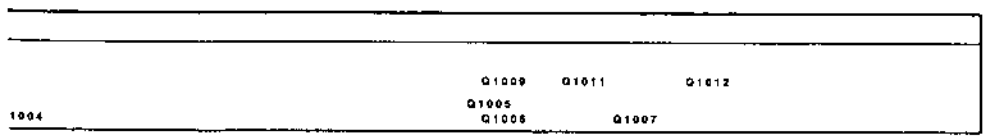


MARKED PARTS

Ref. No.	JA, UZ	AG, AD
F1001	JAMES/ T630MA	
F1002	JAMES/ T3.15A	
C1001	Not Used	0.01/500
C1002	Not Used	0.01/500
C1021	Not Used	0.01/500
C1022	Not Used	0.01/500
C1023	Not Used	0.01/500
C1024	Not Used	0.01/500
JW1002	Not Used	USE



Q1001	B	C	E
Q1002	12.8V	18V	11.1V
Q1003	12.8V	18V	11.1V
Q1004	2.1V	28.7V	18.1V
Q1005	2.1V	28.7V	18.1V
Q1006	12.8V	18.8V	12.1V
Q1007	12.8V	18.8V	12.1V
Q1008	12.8V	18.8V	12.1V
Q1009	12.8V	18.8V	12.1V
Q1010	12.8V	18.8V	12.1V
Q1011	12.8V	18.8V	12.1V
Q1012	12.8V	18.8V	12.1V
Q1013	12.8V	18.8V	12.1V
Q1014	12.8V	18.8V	12.1V
Q1015	12.8V	18.8V	12.1V
Q1016	12.8V	18.8V	12.1V
Q1017	12.8V	18.8V	12.1V
Q1018	12.8V	18.8V	12.1V
Q1019	12.8V	18.8V	12.1V
Q1020	12.8V	18.8V	12.1V
Q1021	12.8V	18.8V	12.1V
Q1022	12.8V	18.8V	12.1V
Q1023	12.8V	18.8V	12.1V
Q1024	12.8V	18.8V	12.1V
Q1025	12.8V	18.8V	12.1V
Q1026	12.8V	18.8V	12.1V
Q1027	12.8V	18.8V	12.1V
Q1028	12.8V	18.8V	12.1V
Q1029	12.8V	18.8V	12.1V
Q1030	12.8V	18.8V	12.1V
Q1031	12.8V	18.8V	12.1V
Q1032	12.8V	18.8V	12.1V
Q1033	12.8V	18.8V	12.1V
Q1034	12.8V	18.8V	12.1V
Q1035	12.8V	18.8V	12.1V
Q1036	12.8V	18.8V	12.1V
Q1037	12.8V	18.8V	12.1V
Q1038	12.8V	18.8V	12.1V
Q1039	12.8V	18.8V	12.1V
Q1040	12.8V	18.8V	12.1V
Q1041	12.8V	18.8V	12.1V
Q1042	12.8V	18.8V	12.1V
Q1043	12.8V	18.8V	12.1V
Q1044	12.8V	18.8V	12.1V
Q1045	12.8V	18.8V	12.1V
Q1046	12.8V	18.8V	12.1V
Q1047	12.8V	18.8V	12.1V
Q1048	12.8V	18.8V	12.1V
Q1049	12.8V	18.8V	12.1V
Q1050	12.8V	18.8V	12.1V
Q1051	12.8V	18.8V	12.1V
Q1052	12.8V	18.8V	12.1V
Q1053	12.8V	18.8V	12.1V
Q1054	12.8V	18.8V	12.1V
Q1055	12.8V	18.8V	12.1V
Q1056	12.8V	18.8V	12.1V
Q1057	12.8V	18.8V	12.1V
Q1058	12.8V	18.8V	12.1V
Q1059	12.8V	18.8V	12.1V
Q1060	12.8V	18.8V	12.1V
Q1061	12.8V	18.8V	12.1V
Q1062	12.8V	18.8V	12.1V
Q1063	12.8V	18.8V	12.1V
Q1064	12.8V	18.8V	12.1V
Q1065	12.8V	18.8V	12.1V
Q1066	12.8V	18.8V	12.1V
Q1067	12.8V	18.8V	12.1V
Q1068	12.8V	18.8V	12.1V
Q1069	12.8V	18.8V	12.1V
Q1070	12.8V	18.8V	12.1V
Q1071	12.8V	18.8V	12.1V
Q1072	12.8V	18.8V	12.1V
Q1073	12.8V	18.8V	12.1V
Q1074	12.8V	18.8V	12.1V
Q1075	12.8V	18.8V	12.1V
Q1076	12.8V	18.8V	12.1V
Q1077	12.8V	18.8V	12.1V
Q1078	12.8V	18.8V	12.1V
Q1079	12.8V	18.8V	12.1V
Q1080	12.8V	18.8V	12.1V
Q1081	12.8V	18.8V	12.1V
Q1082	12.8V	18.8V	12.1V
Q1083	12.8V	18.8V	12.1V
Q1084	12.8V	18.8V	12.1V
Q1085	12.8V	18.8V	12.1V
Q1086	12.8V	18.8V	12.1V
Q1087	12.8V	18.8V	12.1V
Q1088	12.8V	18.8V	12.1V
Q1089	12.8V	18.8V	12.1V
Q1090	12.8V	18.8V	12.1V
Q1091	12.8V	18.8V	12.1V
Q1092	12.8V	18.8V	12.1V
Q1093	12.8V	18.8V	12.1V
Q1094	12.8V	18.8V	12.1V
Q1095	12.8V	18.8V	12.1V
Q1096	12.8V	18.8V	12.1V
Q1097	12.8V	18.8V	12.1V
Q1098	12.8V	18.8V	12.1V
Q1099	12.8V	18.8V	12.1V
Q1100	12.8V	18.8V	12.1V

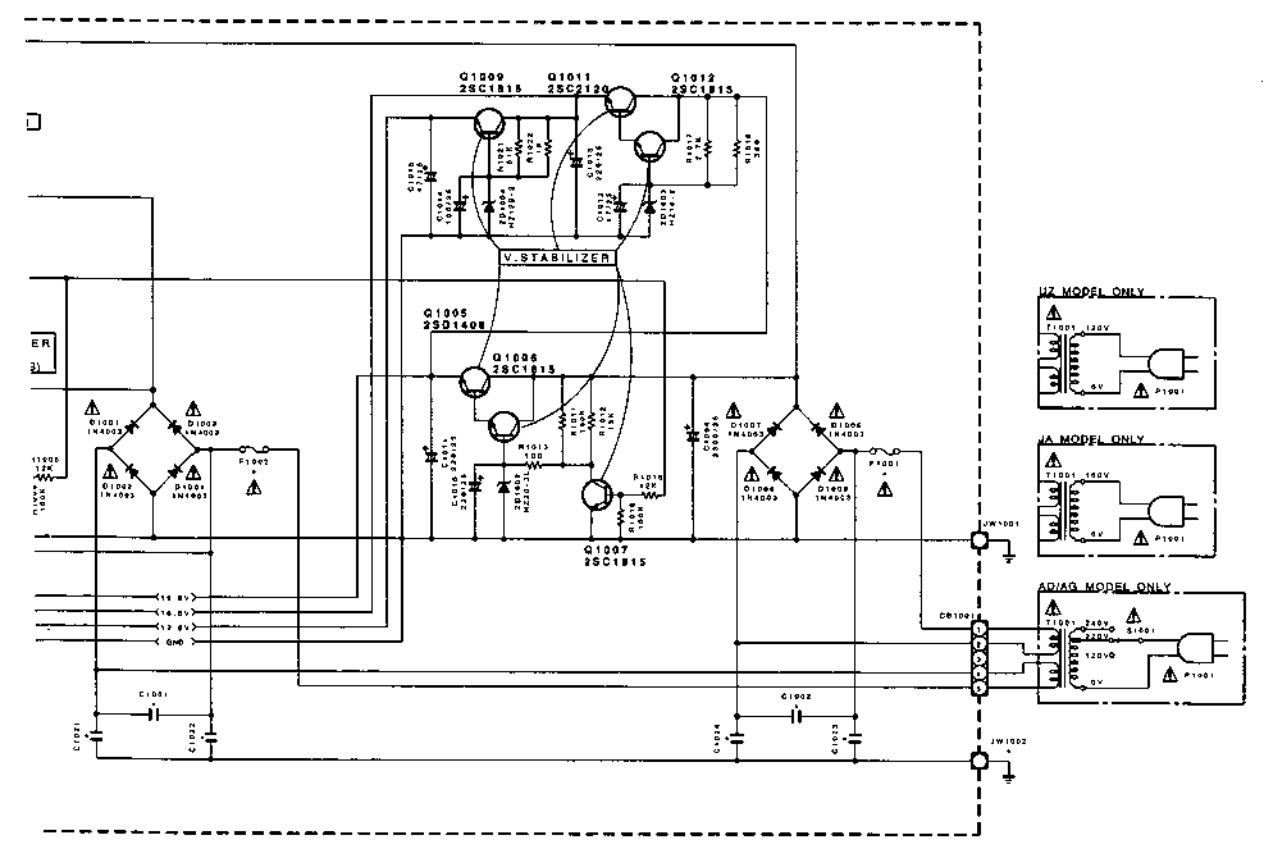


NOTE
 1. All resistance values are in ohms. K=1,000 M=1,000,000
 2. All capacitance values are in microfarads. P= 1/100,000
Voltage Measuring Conditions
 1. Power Supply Voltage : AC100V, 50/60Hz (JA model only)
 : AC220V, 50Hz (AD/AD model only)
 : AC120V, 60Hz (UZ model only)
 2. Measuring Meter : Digital Multimeter
 3. Measuring Point Reference : Between Ground
 4. Measuring Condition : No Signal Input
 Deck in play conditions

CAUTION:
 The Δ mark, the symbol NO. in a box in the schematic diagram and the shaded area in the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list

MARKED PARTS

Ref. No.	Model	JA, UZ	AG, AD
F1001	Jammer	T630mA	
F1002	Jammer	T3.15A	
G1001	Not Used	0.01/500	
G1002	Not Used	0.01/500	
G1003	Not Used	0.01/500	
G1004	Not Used	0.01/500	
G1005	Not Used	0.01/500	
JW1002	Not Used	USE	



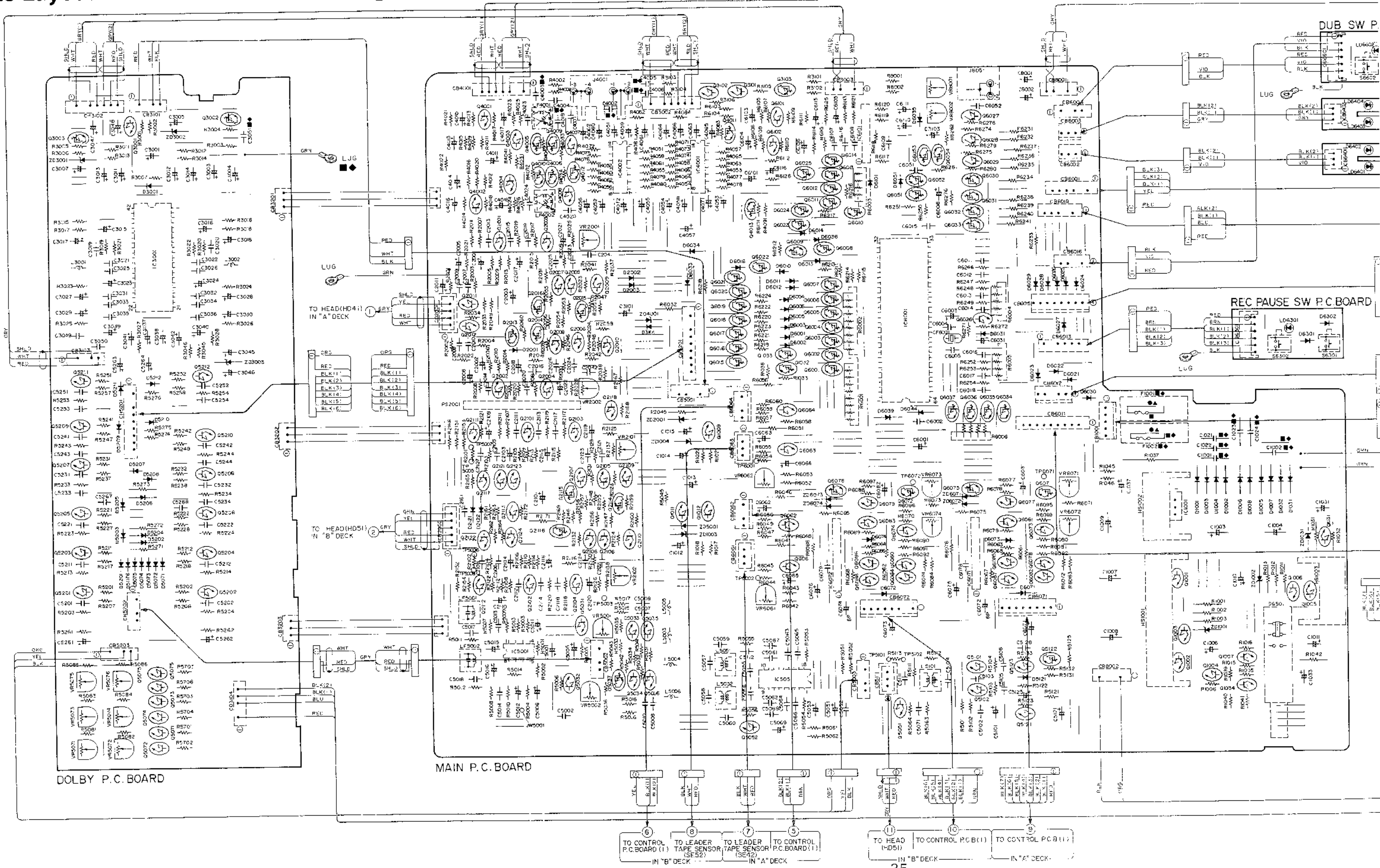
Q1001	B	C	E	Q8007	B	C	E
Q1002	18V	18V	11.7V	Q8008	2.8V		0V
Q1003	12.8V	18V	11.7V	Q8009			0V
Q1004			0V	Q8010	0V		0V
Q1005		28.7V	18.8V	Q8011			0V
Q1006	21V	28.7V		Q8012	2.8V		0V
Q1007			0V	Q8013	3V		0V
Q1009	12.8V	18.8V	12.8V	Q8014	2.8V		0V
Q1011	18.8V	18.8V	18.8V	Q8015		18.5V	0V
Q1012	18V	18.8V		Q8016		0V	0V
Q1031		0V	0V	Q8017		0V	0V
Q1032	0V	3.7V	0V	Q8018		0V	18.8V
Q1033	3.7V	0V	0V	Q8019		0V	18.8V
Q1034		26.6V	POWER OFF 3.7V POWER ON 0V	Q8020		0V	18.8V
Q2001		1.3V		Q8021		18.8V	18.8V
Q2002				Q8022			0V
Q2003	1.3V	8V	0.7V	Q8023			18.8V
Q2004							'A' DECK PLAY 18.7V
Q2005		0V		Q8024			'B' DECK PLAY 18.8V
Q2006		0V					
Q2007		0V		Q8025			18.8V
Q2008		0V					
Q2009		0V		Q8026		POWER OFF 4.8V POWER ON 0V	0V
Q2010		0V		Q8027			5V
Q2011		0V		Q8028			5V
Q2012		0V		Q8029			5V
Q2013		12.8V	12.8V	Q8030	1.2V		0V
Q2014		DUBx2/CrO2 METAL 12.8V	12.8V	Q8031	0V		0V
Q2015		CrO2 METAL 12.8V	12.8V	Q8032	0V		0V
Q2016		12.8V	12.8V	Q8033	2.4V		0V
Q2101				Q8034	3.75V		0V
Q2102				Q8035	3.8V		0V
Q2103				Q8036	3.7V	0V	0V
Q2104				Q8037	3.75V	0V	5V
Q2105				Q8038	4V		0V
Q2106				Q8039	4V		0V
Q2107				Q8040	5V		0V
Q2108				Q8041	5V		0V
Q2109				Q8042	5V		0V
Q2110				Q8043	5V		0V
Q2111				Q8044	5V		0V
Q2112				Q8045	5V		0V
Q2113			12.8V	Q8046	8.8V		0V
Q2114		CrO2 METAL 12.8V	12.8V	Q8047	2.8V		0V
Q2115		12.8V	12.8V	Q8048			11.78V
Q2116		REC 18.8V	12.8V	Q8049			11.72V
Q2117			0V	Q8050			0V
Q2118			12.8V	Q8051			0V
Q2119			0V	Q8052			0V
Q2120				Q8053			0V
Q2121				Q8054			0V
Q2122				Q8055			0V
Q2123				Q8056			0V
Q2124				Q8057			0V
Q2125				Q8058			0V
Q2126				Q8059			0V
Q2127				Q8060			0V
Q2128				Q8061			0V
Q2129				Q8062			0V
Q2130				Q8063			0V
Q2131				Q8064			0V
Q2132				Q8065			0V
Q2133				Q8066			0V
Q2134				Q8067			0V
Q2135				Q8068			0V
Q2136				Q8069			0V
Q2137				Q8070			0V
Q2138				Q8071			0V
Q2139				Q8072			0V
Q2140				Q8073			0V
Q2141				Q8074			0V
Q2142				Q8075			0V
Q2143				Q8076			0V
Q2144				Q8077			0V
Q2145				Q8078			0V
Q2146				Q8079			0V
Q2147				Q8080			0V
Q2148				Q8081			0V
Q2149				Q8082			0V
Q2150				Q8083			0V
Q2151				Q8084			0V
Q2152				Q8085			0V
Q2153				Q8086			0V
Q2154				Q8087			0V
Q2155				Q8088			0V
Q2156				Q8089			0V
Q2157				Q8090			0V
Q2158				Q8091			0V
Q2159				Q8092			0V
Q2160				Q8093			0V
Q2161				Q8094			0V
Q2162				Q8095			0V
Q2163				Q8096			0V
Q2164				Q8097			0V
Q2165				Q8098			0V
Q2166				Q8099			0V
Q2167				Q8100			0V
Q2168				Q8101			1.2V
Q2169				Q8102			

IC8001	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
	0V	3.3																			
	0V	3.4	3.3V																		
	0V	3.5	3.3V																		
	2.8V	3.8	3.3V																		
	3.3V	3.7	1.5V																		
	5V	3.8	0V																		
	0V	3.8	0V																		
	2.8V	4.0	2.4V																		
	5V	4.1	4.2V																		
	0V	4.2	4V																		
	0V	4.3	4V																		
	0V	4.4	3.8V																		
	2.8V	4.5	5V																		
	0V	4.6	5V																		
	2.8V	4.7	4.2V																		
	2.8V	4.8	5V																		
	2.8V	4.9	4.6V																		
	3.7V	5.0	2.3V																		
	5V	5.1	2.5V																		
	4.2V	5.2	0V																		
	0V	5.3	0V																		
	0V	5.4	0V																		
	0V	5.5	0V																		
	0V	5.6	5V																		
	0V	5.7	4.2V																		
	0V	5.8	4.2V																		
	3.7V	5.9	4.8V																		
	2.8V	6.0	3.7V																		
	0V	6.0	3.75V																		
	0V	6.4	5V																		

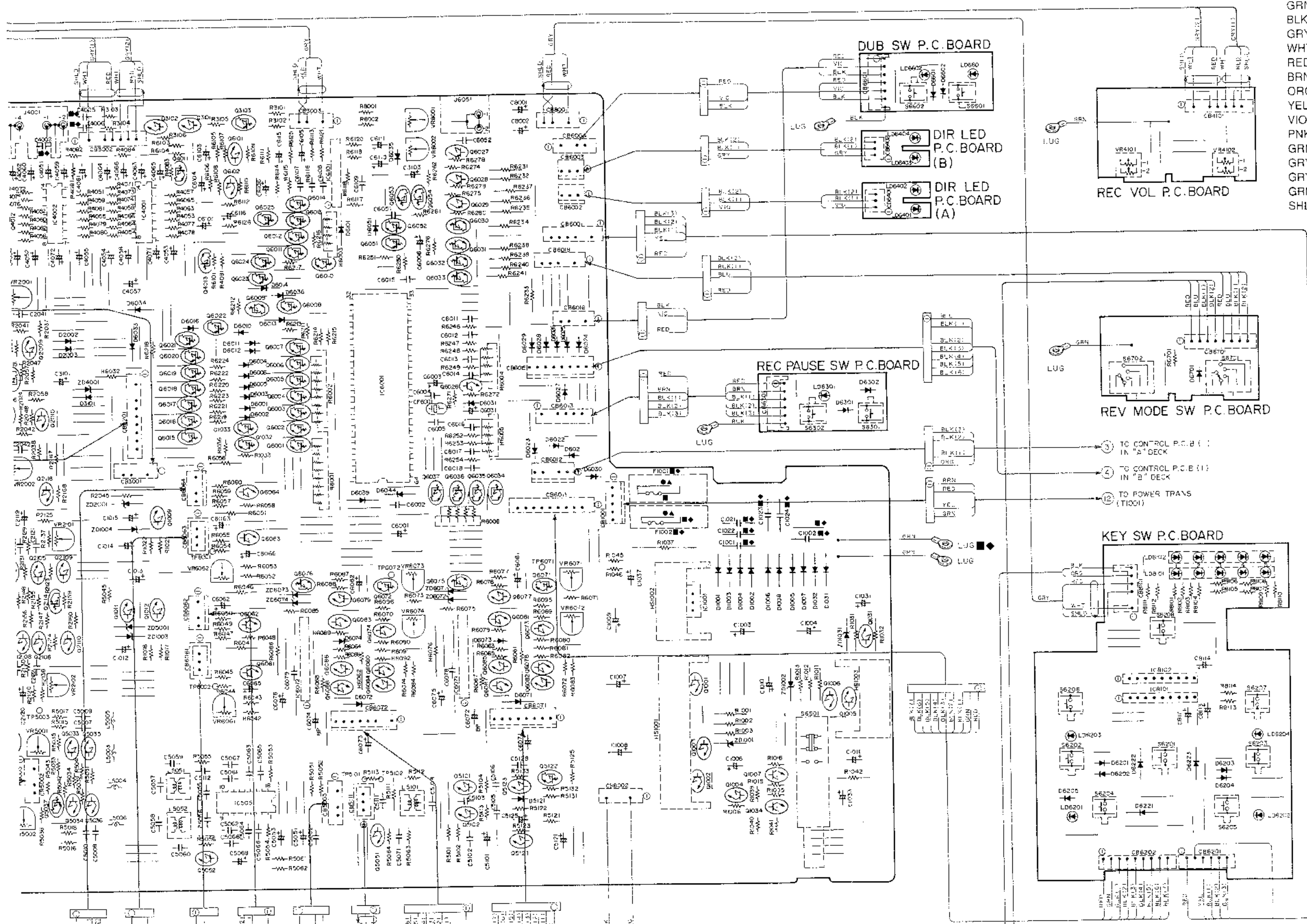
K-007

D | E | F | G | H | I | J | K

Parts Layout on P. C. Boards and Wiring Diagram (1/2)



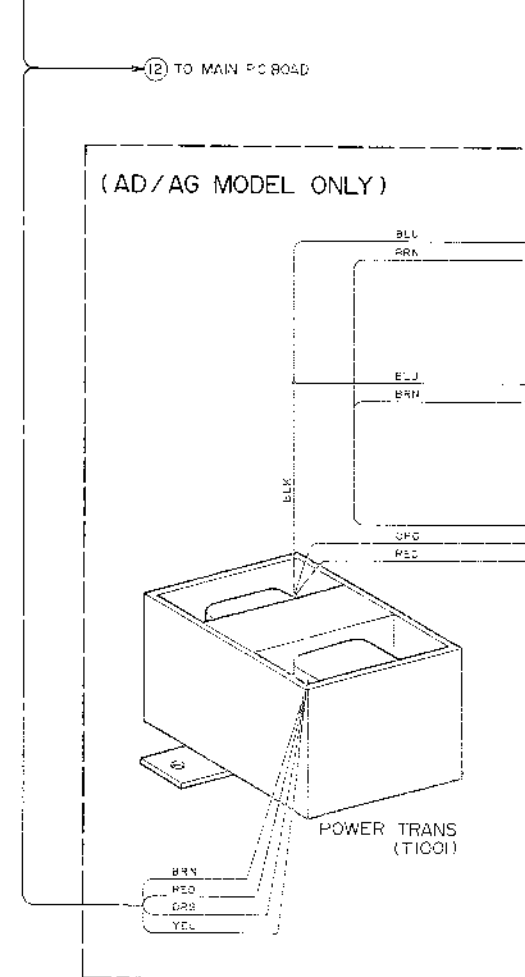
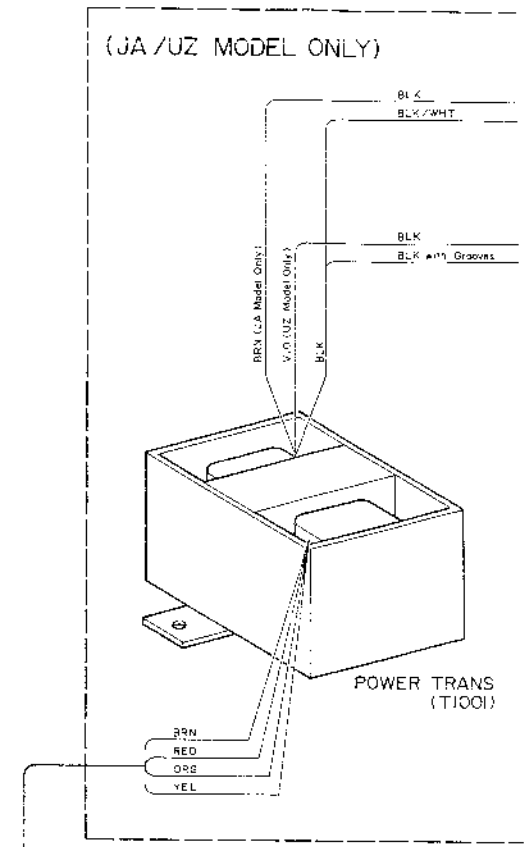
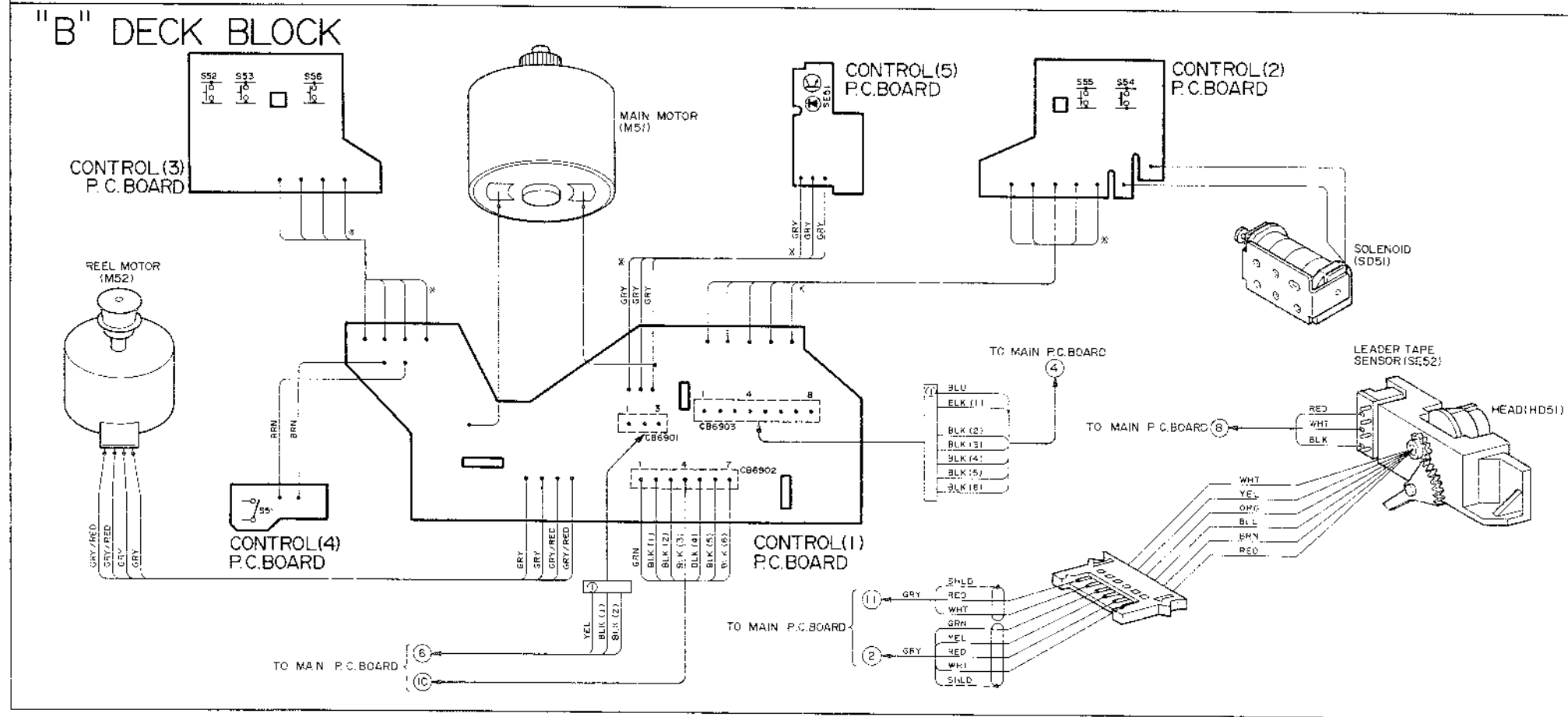
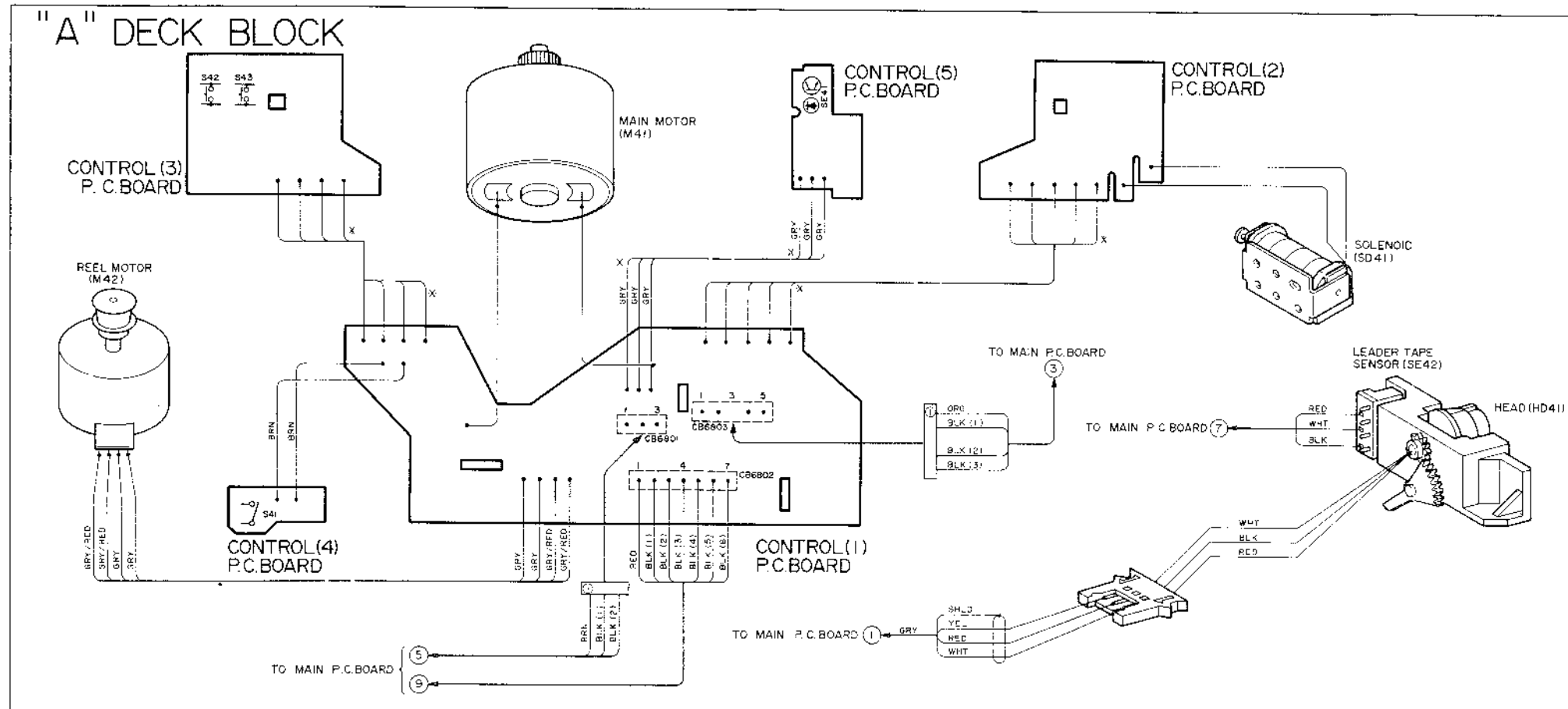
- BLU Blue
- GRN Green
- BLK Black
- GRY Gray
- WHT White
- RED Red
- BRN Brown
- ORG Orange
- YEL Yellow
- VIO Violet
- PNK Pink
- GRN/WHT Green/White
- GRY/WHT Gray/White
- GRY/YEL Gray/Yellow
- GRN/YEL Green/Yellow
- SHLD Shield



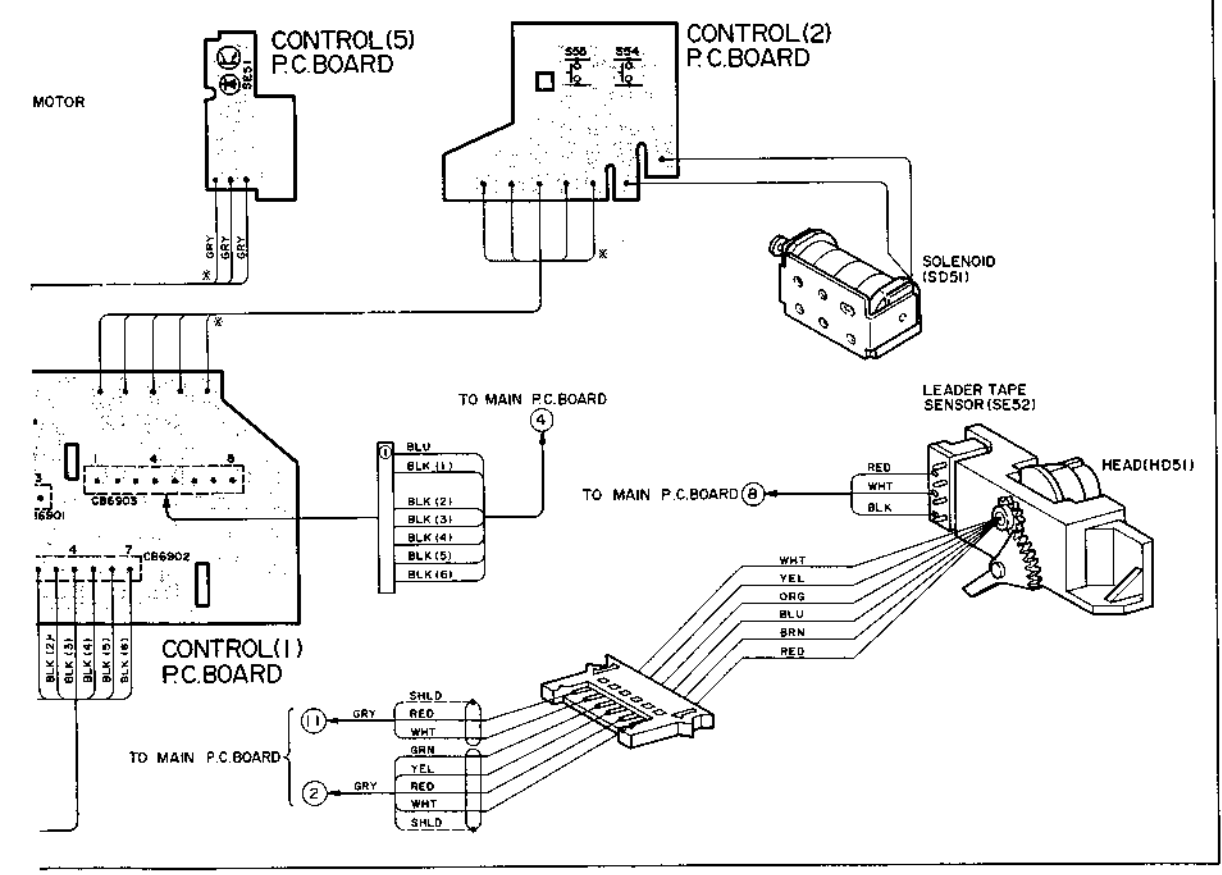
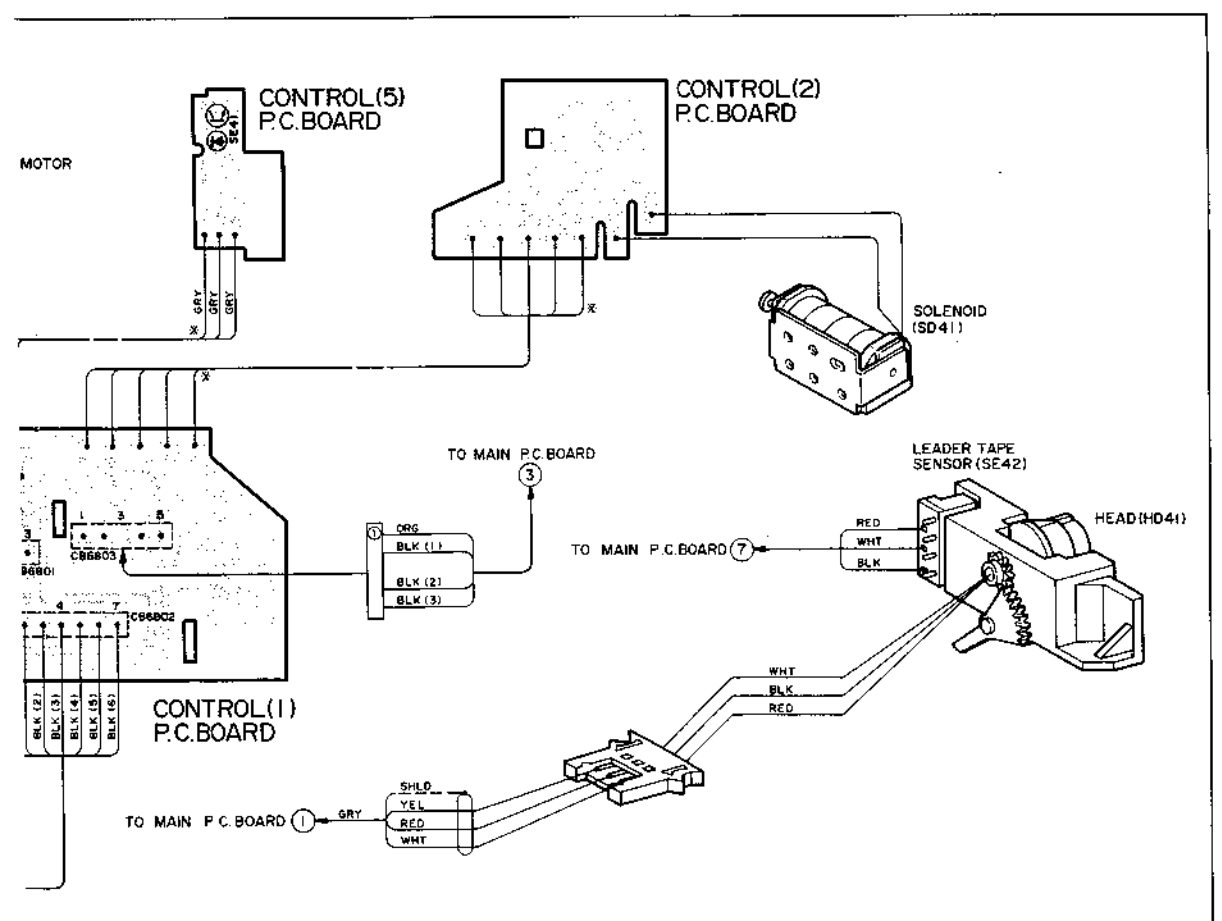
TO CONTROL P.C. BOARD (1) IN "B" DECK
 TO LEADER TAPE SET-SCR. TAPE SENSOR P.C. BOARD (1) IN "A" DECK
 TO CONTROL P.C. BOARD (1) IN "B" DECK
 TO CONTROL P.C. BOARD (1) IN "A" DECK

NOTE:
 ● For Japanese model only (JA)
 ▲ For American model only (UZ)
 ◆ For England model only (AG)
 ◆ For WEST Germany model only (AO)
 Others: Common

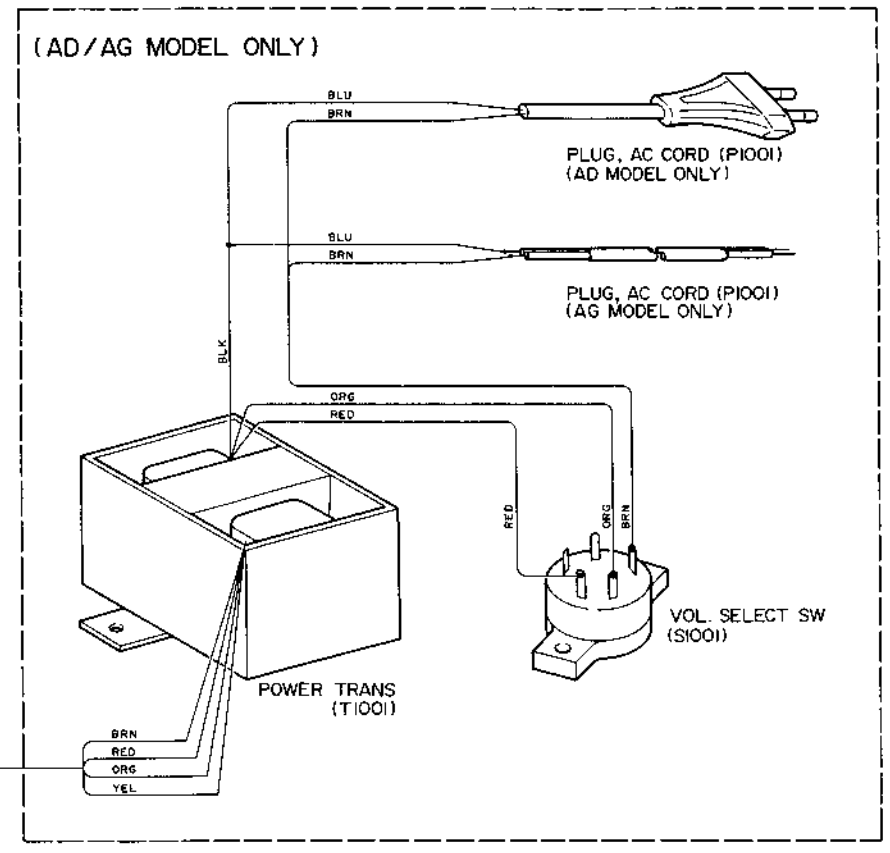
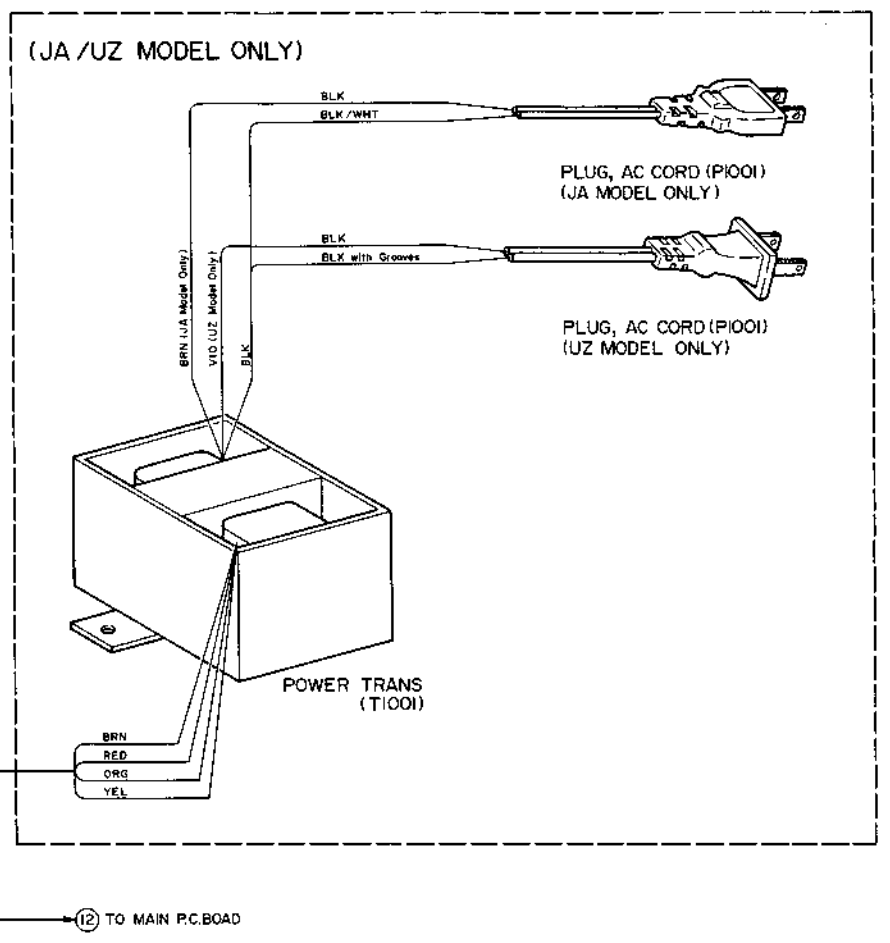
Parts Layout on P. C. Boards and Wiring Diagram (2/2)



2)



D | | E | | F | | G |



| | H | | I | | J | | K |

- BLU Blue
- GRN Green
- BLK Black
- GRY Gray
- WHT White
- RED Red
- BRN Brown
- ORG Orange
- YEL Yellow
- VIO Violet
- PNK Pink
- GRN/WHT Green/White
- GRY/WHT Gray/White
- GRY/YEL Gray/Yellow
- GRN/YEL Green/Yellow
- SHLD Shield

Electrical Parts List

Resistor: Carbon resistors under 1/8 watts are not mentioned in the parts list, please confirm them by schematic diagram.

Capacitor: μ F=microfarads, pF=picofarads

Abbreviations				
CAP.-Capacitor		CER.-Ceramic		
ELY.-Electrolytic		LED.-Light Emitting Diode		
MIC.-Mica		MO.-Metal Oxide Film		
MYL.-Mylar		PP.-Polypropylene		
SOL.-Solid		TAN.-Tantalum		
ZEN.-Zener				
Symbol No.	Part No.	Description		
Main P.C. Board				
IC's				
	IC4001	51T47739F01	TC4066BP	
	IC4002	51T47739F01	TC4066BP	
	IC5001	51T80136F01	M5238P	
	IC5051	51T72929F01	μ PC1297CA	
	IC6001	51T96291F01	98291F01	
	IC6071	51T70536F01	BA6229	
	IC6072	51T70536F01	BA6229	
	IC6101	51T87915F01	M51143AL	
Transistors				
	Q1003	48T81101F01	2SC1815	
	Q1004	48T81101F02	2SC1815	
	Q1006	48T81101F01	2SC1815	
	Q1007	48T81101F02	2SC1815	
	Q1009	48T81101F01	2SC1815	
	Q1011	48T43015U01	2SC2120	
	Q1012	48T81101F01	2SC1815	
	Q1031	48T81101F02	2SC1815	
	Q1032	48T81715F12	DTC114V	
	Q1033	48T81715F12	DTC114V	
	Q1034	48T81101F01	2SC1815	
	Q2001	48T95079F01	2SC1843	
	Q2002	48T95079F01	2SC1843	
	Q2003	48T95079F01	2SC1843	
	Q2004	48T95079F01	2SC1843	
	Q2005	48T57305F04	2SD1302	
	or	48T90183F04	2SD1996	
	Q2006	48T57305F04	2SD1302	
	or	48T90183F04	2SD1996	
	Q2007	48T57305F04	2SD1302	
	or	48T90183F04	2SD1996	

Symbol No.	Part No.	Description		
Q2008	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q2009	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q2010	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q2011	48T81101F01	2SC1815		
Q2012	48T81101F01	2SC1815		
Q2013	48T81715F03	DTA124E		
Q2014	48T81715F03	DTA124E		
Q2015	48T81715F03	DTA124E		
Q2016	48T81715F03	DTA124E		
Q2101	48T95079F01	2SC1843		
Q2102	48T95079F01	2SC1843		
Q2103	48T95079F01	2SC1843		
Q2104	48T95079F01	2SC1843		
Q2105	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q2106	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q2107	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q2108	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q2109	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q2110	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q2111	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q2112	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q2113	48T81102F01	2SA1015		
Q2114	48T81715F03	DTA124E		
Q2115	48T81715F03	DTA124E		
Q2116	48T81715F20	DTC124X		
Q2117	48T42941U01	2SA921		
Q2118	48T81101F01	2SC1815		
Q2121	48S43394P01	2SC1890		
Q2122	48S43394P01	2SC1890		
Q2123	48S43394P01	2SC1890		
Q2124	48S43394P01	2SC1890		
Q3101	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		

Symbol No.	Part No.	Description			Symbol No.	Part No.	Description		
Q3102	48T57305F04	2SD1302			Q6009	48T81715F12	DTC114Y		
or	48T90183F04	2SD1996			Q6010	48T81715F12	DTC114Y		
Q3103	48T81715F03	DTA124E			Q6011	48T81715F12	DTC114Y		
Q4001	48T95079F01	2SC1843			Q6012	48T81715F12	DTC114Y		
Q4002	48T95079F01	2SC1843			Q6013	48T81715F12	DTC114Y		
Q4003	48T57305F04	2SD1302			Q6014	48T81715F12	DTC114Y		
or	48T90183F04	2SD1996			Q6015	48T81715F03	DTA124E		
Q4004	48T57305F04	2SD1302			Q6016	48T81715F03	DTA124E		
or	48T90183F04	2SD1996			Q6017	48T81715F03	DTA124E		
Q4005	48T81715F03	DTA124E			Q6018	48T81715F03	DTA124E		
Q4006	48T81715F20	DTC124X			Q6019	48T81715F03	DTA124E		
Q4007	48T81101F01	2SC1815			Q6020	48T81715F03	DTA124E		
Q4008	48T81101F01	2SC1815			Q6021	48T81715F03	DTA124E		
Q4009	48T81715F03	DTA124E			Q6022	48T81715F03	DTA124E		
Q4010	48T81715F20	DTC124X			Q6023	48T81715F03	DTA124E		
Q4011	48T81715F20	DTC124X			Q6024	48T81715F03	DTA124E		
Q4012	48T81715F20	DTC124X			Q6025	48T81715F03	DTA124E		
Q4013	48T81715F20	DTC124X			Q6026	48T81101F02	2SC1815		
Q5031	48T57305F04	2SD1302			Q6027	48T81102F01	2SA1015		
or	48T90183F04	2SD1996			Q6028	48T81102F01	2SA1015		
Q5032	48T57305F04	2SD1302			Q6029	48T81102F01	2SA1015		
or	48T90183F04	2SD1996			Q6030	48T81715F12	DTC114Y		
Q5033	48T57305F04	2SD1302			Q6031	48T81715F12	DTC114Y		
or	48T90183F04	2SD1996			Q6032	48T81715F12	DTC114Y		
Q6034	48T57305F04	2SD1302			Q6033	48T81715F12	DTC114Y		
or	48T90183F04	2SD1996			Q6034	48T81715F12	DTC114Y		
Q5035	48T57305F04	2SD1302			Q6035	48T81715F12	DTC114Y		
or	48T90183F04	2SD1996			Q6036	48T81715F12	DTC114Y		
Q5036	48T57305F04	2SD1302			Q6037	48T81715F12	DTC114Y		
or	48T90183F04	2SD1996			Q6051	48T81715F07	DTA143E		
Q6037	48T81715F03	DTA124E			Q6052	48T81715F12	DTC114Y		
Q5051	48T81101F01	2SC1815			Q6053	48T81715F03	DTA124E		
Q5052	48T43015U01	2SC2120			Q6054	48T81715F12	DTC114Y		
Q5101	48S40832F03	2SC1818NC			Q6061	48T81101F01	2SC1815		
Q5102	48S40832F03	2SC1818NC			Q6062	48T81101F01	2SC1815		
Q5121	48T43015U01	2SC2120			Q6063	48T81101F01	2SC1815		
Q5122	48T81715F20	DTC124X			Q6064	48T81101F01	2SC1815		
Q5123	48T81101F01	2SC1815			Q6071	48T81715F12	DTC114Y		
Q6001	48T81715F12	DTC114Y			Q6072	48T81715F12	DTC114Y		
Q6002	48T81715F12	DTC114Y			Q6073	48T81102F01	2SA1015		
Q6003	48T81715F12	DTC114Y			Q6074	48T81102F01	2SA1015		
Q6004	48T81715F12	DTC114Y			Q6075	48T81715F12	DTC114Y		
Q6005	48T81715F12	DTC114Y			Q6076	48T81715F12	DTC114Y		
Q6006	48T81715F12	DTC114Y			Q6077	48T81101F01	2SC1815		
Q6007	48T81715F12	DTC114Y			Q6078	48T81101F01	2SC1815		
Q6008	48T81715F12	DTC114Y							

Symbol No.	Part No.	Description			Symbol No.	Part No.	Description		
Q6079	48T81101F01	2SC1815			D6022	48T44813F01	MA165TA		
Q6080	48T81101F01	2SC1815			D6023	48T44813F01	MA165TA		
Q6081	48T43015U01	2SC2120			D6024	48T44813F01	MA165TA		
Q6082	48T43015U01	2SC2120			D6025	48T44813F01	MA165TA		
Q6083	48T43015U01	2SC2120			D6026	48T44813F01	MA165TA		
Q6084	48T43015U01	2SC2120			D6027	48T44813F01	MA165TA		
Q6085	48T81101F01	2SC1815			D6028	48T44813F01	MA165TA		
Q6086	48T81101F01	2SC1815			D6029	48T44813F01	MA165TA		
Q6087	48T43015U01	2SC2120			D6030	48T44813F01	MA165TA		
Q6088	48T43015U01	2SC2120			D6031	48T44813F01	MA165TA		
Q6101	48T81101F01	2SC1815			D6033	48T43189F01	1S1555		
Q6102	48T81101F01	2SC1815			D6034	48T43189F01	1S1555		
Diodes					D6035	48T44813F01	MA165TA		
D1001	48S40477U01	1N4003			D6036	48T43189F01	1S1555		
D1002	48S40477U01	1N4003			D6039	48T43189F01	1S1555		
D1003	48S40477U01	1N4003			D6044	48T43189F01	1S1555		
D1004	48S40477U01	1N4003			D6051	48T44813F01	MA165TA		
D1005	48S40477U01	1N4003			D6071	48S40477U01	1N4003		
D1006	48S40477U01	1N4003			D6072	48S40477U01	1N4003		
D1007	48S40477U01	1N4003			D6073	48T44813F01	MA165TA		
D1008	48S40477U01	1N4003			D6074	48T44813F01	MA165TA		
D1031	48S40477U01	1N4003			D6101	48T43189F01	1S1555		
D1032	48S40477U01	1N4003			ZD1001	48T52741F41	ZEN. HZ12B-2L		
D2001	48T44813F01	MA165TA			ZD1002	48T52741F57	ZEN. HZ20-3L		
D2002	48T43189F01	1S1555			ZD1003	48T52739F83	ZEN. HZ18-2		
D2003	48T43189F01	1S1555			ZD1004	48T52739F74	ZEN. HZ12B-2		
D2121	48T73079F02	1SS82			ZD1031	48T52739F82	ZEN. HZ18-1		
D2122	48T73079F02	1SS82			ZD2001	48T52739F73	ZEN. HZ12B-1		
D3101	48T43189F01	1S1555			ZD4001	48T52739F07	ZEN. HZ3A-1		
D5121	48T44813F01	MA165TA			ZD5001	48T52739F59	ZEN. HZ9C-2		
D6001	48T44813F01	MA165TA			ZD6071	48T52739F27	ZEN. HZ5A-3		
D6002	48T44813F01	MA165TA			ZD6072	48T52739F50	ZEN. HZ7C-2		
D6003	48T44813F01	MA165TA			ZD6073	48T52739F27	ZEN. HZ5A-3		
D6004	48T44813F01	MA165TA			ZD6074	48T52739F50	ZEN. HZ7C-2		
D6005	48T44813F01	MA165TA			Capacitors				
D6006	48T44813F01	MA165TA			■ C1001	21T68834F01	CER.	0.01 μ F	
D6010	48T44813F01	MA165TA			◆ C1001	21T68834F01	CER.	0.01 μ F	
D6011	48T44813F01	MA165TA			■ C1002	21T68834F01	CER.	0.01 μ F	
D6012	48T44813F01	MA165TA			◆ C1002	21T68834F01	CER.	0.01 μ F	
D6013	48T43189F01	1S1555			C1003	23T00134L47	ELY.	2200 μ F/25V	
D6014	48T43189F01	1S1555			C1004	23T00134L61	ELY.	3300 μ F/35V	
D6016	48T44813F01	MA165TA			C1006	23T00134L45	ELY.	470 μ F/25V	
D6021	48T44813F01	MA165TA			C1007	23T00135L32	ELY.	6800 μ F/16V	
					C1008	23T00135L32	ELY.	6800 μ F/16V	
					C1009	23T00134L25	ELY.	6800 μ F/10V	

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	C1010	23T00149L37	ELY.	220 μ F/25V		C2025	08S85480F61	CER.	0.01 μ F
	C1011	23T00149L37	ELY.	220 μ F/25V		C2026	08S85480F61	CER.	0.01 μ F
	C1012	23T00149L35	ELY.	47 μ F/25V		C2041	08T57705F66	MYL.	8200pF
	C1013	23T00149L37	ELY.	220 μ F/25V		C2042	08T57705F66	MYL.	8200pF
	C1014	23T00149L36	ELY.	100 μ F/25V		C2101	23T00138L26	ELY.	4.7 μ F/25V
	C1015	23T00149L35	ELY.	47 μ F/25V		C2103	23T00149L32	ELY.	10 μ F/25V
◆	C1021	21T68834F01	CER.	0.01 μ F		C2104	23T00149L32	ELY.	10 μ F/25V
■	C1021	21T68834F01	CER.	0.01 μ F		C2105	08T57705F55	MYL.	1000pF
◆	C1022	21T68834F01	CER.	0.01 μ F		C2106	08T57705F55	MYL.	1900pF
■	C1022	21T68834F01	CER.	0.01 μ F		C2107	08T52714F17	CER.	0.022 μ F
◆	C1023	21T68834F01	CER.	0.01 μ F		C2108	08T52714F17	CER.	0.022 μ F
■	C1023	21T68834F01	CER.	0.01 μ F		C2109	23T42478F09	ELY.	4.7 μ F/25V
◆	C1024	21T68834F01	CER.	0.01 μ F		C2110	23T42478F09	ELY.	4.7 μ F/25V
■	C1024	21T68834F01	CER.	0.01 μ F		C2111	08S40805F01	CER.	100pF
	C1031	23T00149L51	ELY.	0.47 μ F/50V	●	C2111	08S40805F01	CER.	100pF
	C1033	23T00149L32	ELY.	10 μ F/25V	▲	C2111	08S40805F05	CER.	470pF
	C1037	23T00149L32	ELY.	10 μ F/25V	◆	C2111	08S40805F05	CER.	470pF
	C2001	23T00149L32	ELY.	10 μ F/25V	●	C2112	08S40805F01	CER.	100pF
	C2002	23T00149L32	ELY.	10 μ F/25V	▲	C2112	08S40805F01	CER.	100pF
	C2003	23T00138L26	ELY.	4.7 μ F/25V	■	C2112	08S40805F05	CER.	470pF
	C2005	23T42478F09	ELY.	4.7 μ F/25V	◆	C2112	08S40805F05	CER.	470pF
	C2006	23T42478F09	ELY.	4.7 μ F/25V		C2113	08T81940P27	CER.	47pF
	C2007	08S40805F02	CER.	150pF		C2114	08T81940P27	CER.	47pF
	C2008	08S40805F02	CER.	150pF		C2115	23T00149L36	ELY.	100 μ F/25V
	C2009	08T57705F54	MYL.	820pF		C2116	23T00149L36	ELY.	100 μ F/25V
	C2010	08T57705F54	MYL.	820pF		C2117	08T57705F61	MYL.	3300pF
	C2011	23T74436F29	TAN.	3.3 μ F/16V		C2118	08T57705F61	MYL.	3300pF
●	C2013	08S40805F01	CER.	100pF		C2119	23T00180L12	ELY.	22 μ F/25V
▲	C2013	08S40805F01	CER.	100pF		C2120	23T00180L12	ELY.	22 μ F/25V
■	C2013	08S40805F05	CER.	470pF		C2121	08T42829F69	MYL.	0.015 μ F
◆	C2013	08S40805F05	CER.	470pF		C2122	08T57705F69	MYL.	0.015 μ F
●	C2014	08S40805F01	CER.	100pF		C2123	08T57705F67	MYL.	0.01 μ F
▲	C2024	08S40805F01	CER.	100pF		C2124	08T57705F67	MYL.	0.01 μ F
■	C2014	08S40805F05	CER.	470pF		C2161	08S40805F01	CER.	100pF
◆	C2014	08S40805F05	CER.	470pF		C3101	23T00149L37	ELY.	220 μ F/25V
	C2015	08T81940P27	CER.	47pF		C3103	23T00149L52	ELY.	1 μ F/50V
	C2016	08T81940P27	CER.	47pF		C4001	08T52714F17	CER.	0.022 μ F
	C2017	23T00149L36	ELY.	100 μ F/25V	■	C4002	08S52714F17	CER.	0.022 μ F
	C2018	23T00149L36	ELY.	100 μ F/25V	◆	C4002	08S52714F17	CER.	0.022 μ F
	C2019	08T57705F61	MYL.	3300pF	■	C4003	08S40805F02	CER.	150pF
	C2020	08T57705F61	MYL.	3300pF	◆	C4003	08S40805F02	CER.	150pF
	C2021	23T00180L12	ELY.	22 μ F/25V	■	C4004	08S40805F02	CER.	150pF
	C2022	23T00180L12	ELY.	22 μ F/25V	◆	C4004	08S40805F02	CER.	150pF
	C2023	08T57705F69	MYL.	0.015 μ F	■	C4005	08S40805F05	CER.	470pF
	C2024	08T57705F69	MYL.	0.015 μ F	◆	C4005	08S40805F05	CER.	470pF

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■ C4006	08S40805F05	CER. 470pF		C5017	08T57705F51	MYL. 470pF	
◆ C4006	08S40805F05	CER. 470pF		C5018	08T57705F51	MYL. 470pF	
C4011	23T00138L26	ELY. 4.7 μF/25V		C5051	23T00149L32	ELY. 10 μF/25V	
C4013	23T00149L32	ELY. 10 μF/25V		C5052	08T52714F17	CER. 0.022 μF	
C4014	23T00149L32	ELY. 10 μF/25V		C5053	23T00149L32	ELY. 10 μF/25V	
C4015	23T00138L26	ELY. 4.7 μF/25V		C5055	08T90316F25	TF. 0.047 μF	
C4016	23T00138L26	ELY. 4.7 μF/25V		C5056	08T90316F25	TF. 0.047 μF	
C4017	23T00149L32	ELY. 10 μF/25V		C5057	08S40805F05	CER. 470pF	
C4018	23T00149L32	ELY. 10 μF/25V		C5058	08S40805F05	CER. 470pF	
C4019	08T57705F60	MYL. 2700pF		C5059	08S40805F04	CER. 330pF	
C4020	08T57705F60	MYL. 2700pF		C5060	08S40805F04	CER. 330pF	
C4023	08T57705F60	MYL. 2700pF		C5061	08T90316F29	TF. 0.1 μF	
C4024	08T57705F60	MYL. 2700pF		C5062	08T90316F29	TF. 0.1 μF	
C4051	23T00149L32	ELY. 10 μF/25V		C5063	08T57705F71	MYL. 0.022 μF	
C4052	23T00149L32	ELY. 10 μF/25V		C5064	08T57705F71	MYL. 0.022 μF	
C4053	23T00149L32	ELY. 10 μF/25V		C5065	08T57705F67	MYL. 0.01 μF	
C4054	23T00149L32	ELY. 10 μF/25V		C5066	08T57705F67	MYL. 0.01 μF	
C4055	23T00149L32	ELY. 10 μF/25V		C5067	21S40655F31	CER. 560pF	
C4056	23T00149L32	ELY. 10 μF/25V		C5068	21S40655F31	CER. 560pF	
C4057	23T00149L32	ELY. 10 μF/25V		C5069	23T00149L32	ELY. 10 μF/25V	
C4058	23T00149L32	ELY. 10 μF/25V		C5071	08T52714F17	CER. 0.022 μF	
C4059	23T00149L32	ELY. 10 μF/25V		C5101	23T00138L46	ELY. 2.2 μF/50V	
C4060	23T00149L32	ELY. 10 μF/25V		C5102	08T52714F17	CER. 0.022 μF	
C4061	23T00149L32	ELY. 10 μF/25V		C5103	08T52448F33	PP. 6800pF	
C4062	23T00149L32	ELY. 10 μF/25V		C5104	08T52448F41	PP. 0.015 μF	
C4063	23T00149L32	ELY. 10 μF/25V		C5105	08T52448F25	PP. 3300pF	
C4064	23T00149L32	ELY. 10 μF/25V		C5106	08T52448F25	PP. 3300pF	
C4065	23T00149L32	ELY. 10 μF/25V		C5111	08T52448F33	PP. 6800pF	
C4066	23T00149L32	ELY. 10 μF/25V		C5112	21S40655F11	CER. 10pF	
C4071	23T00149L33	ELY. 22 μF/25V		C5121	23T74438F41	TAN. 10 μF/25V	
C4072	23T00149L33	ELY. 22 μF/25V		C5125	23T00149L33	ELY. 22 μF/25V	
C5001	23T00138L26	ELY. 4.7 μF/25V		C5128	08T52714F17	CER. 0.022 μF	
C5002	08T52714F17	CER. 0.022 μF		C6001	23T00149L16	ELY. 470 μF/10V	
C5005	23T00149L32	ELY. 10 μF/25V		C6002	08T52714F17	CER. 0.022 μF	
C5006	23T00149L32	ELY. 10 μF/25V		C6003	23T00149L51	ELY. 0.47 μF/50V	
C5007	08T57705F67	MYL. 0.01 μF		C6004	08T61940F22	CER. 30pF	
C5008	08T57705F67	MYL. 0.01 μF		C6005	08T61940F22	CER. 30pF	
C5009	08T57705F63	MYL. 4700pF		C6006	23T00149L32	ELY. 10 μF/25V	
C5010	08T57705F63	MYL. 4700pF		C6011	08S65480F37	CER. 100pF	
C5011	23T00149L33	ELY. 22 μF/25V		C6012	08S65480F37	CER. 100pF	
C5012	23T00149L33	ELY. 22 μF/25V		C6013	08S65480F37	CER. 100pF	
C5013	08T57705F73	MYL. 0.033 μF		C6014	08S65480F37	CER. 100pF	
C5014	08T57705F73	MYL. 0.033 μF		C6015	08S65480F37	CER. 100pF	
C5015	23T00149L32	ELY. 10 μF/25V		C6016	08S65480F37	CER. 100pF	
C5016	23T00149L32	ELY. 10 μF/25V		C6017	08S65480F37	CER. 100pF	

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	C8018	08S85480F37	CER.	100pF		R6088	08T92264F01	MF.	10ohm-2W
	C8031	23T00149L32	ELY.	10 μ F/25V		VR2001	18T15356W15	Volume.	RH0634C 22Kohm
	C8051	08S85480F37	CER.	100pF		VR2002	18T15356W15	Volume.	RH0634C 22Kohm
■	C8052	08S52714F17	CER.	0.022 μ F		VR2101	18T15356W15	Volume.	RH0634C 22Kohm
◆	C8052	08S52714F17	CER.	0.022 μ F		VR2102	18T15356W15	Volume.	RH0634C 22Kohm
	C8062	23T00149L33	ELY.	22 μ F/25V		VR5001	18T15356W17	Volume.	RH0634C 47Kohm
	C8063	23T00149L33	ELY.	22 μ F/25V		VR5002	18T15356W17	Volume.	RH0634C 47Kohm
	C8065	23T00149L51	ELY.	0.47 μ F/50V		VR8061	18T15356W18	Volume.	RH0634C 10Kohm
	C8086	23T00149L51	ELY.	0.47 μ F/50V		VR8062	18T15356W18	Volume.	RH0634C 10Kohm
	C8071	23T00149L32	ELY.	10 μ F/25V		VR6071	18T15356W12	Volume.	RH0644C 6.8Kohm
	C8072	23T00140L37	ELY.	(BP) 2.2 μ F/50V		VR8072	18T15356W11	Volume.	RH0644C 4.7Kohm
	C8073	23T00149L32	ELY.	10 μ F/25V		VR8073	18T15356W12	Volume.	RH0644C 6.8Kohm
	C8074	23T00140L37	ELY.	(BP) 2.2 μ F/50V		VR8074	18T15356W11	Volume.	RH0644C 4.7Kohm
	C8075	23T00149L35	ELY.	47 μ F/25V		VR8001	18T15356W17	Volume.	RH0634C 47Kohm
	C8076	23T00149L35	ELY.	47 μ F/25V		VR8002	18T15356W17	Volume.	RH0634C 47Kohm
	C8078	08T52714F13	CER.	0.01 μ F		Coils/Filter			
	C8079	08T52714F13	CER.	0.01 μ F		L5003	24T81850F08	Inductor	3.9mH
	C8081	23T00149L35	ELY.	47 μ F/25V		L5004	24T81850F08	Inductor	3.9mH
	C8082	23T00149L35	ELY.	47 μ F/25V		L5005	24T81850F01	Inductor	1mH
	C8101	23T00149L35	ELY.	47 μ F/25V		L5006	24T81850F01	Inductor	1mH
	C8103	23T00149L32	ELY.	10 μ F/25V		L5051	24T72980F01	Coil.	HX
	C8104	23T00149L32	ELY.	10 μ F/25V		L5052	24T72980F01	Coil.	HX
	C8105	23T00149L32	ELY.	10 μ F/25V		L5101	24T70526F02	Coil.	GSC
	C8106	23T00149L32	ELY.	10 μ F/25V		LP4001	24T70527F03	Filter.	MPX
	C8107	08T57705F55	MYL.	1000pF		LF4002	24T70527F03	Filter.	MPX
	C8108	08T57705F71	MYL.	0.022 μ F		LF5001	24T70528F01	Filter.	Bias
	C8109	08T90316F29	TF.	0.1 μ F		LF5002	24T70528F01	Filter.	Bias
	C8110	23T00149L52	ELY.	1 μ F/50V		Ceramic Filter			
	C8111	23T00149L35	ELY.	47 μ F/25V		CP6001	91T70534F01	4MHz	
	C8115	23T00149L35	ELY.	47 μ F/25V		Jacks			
	C8116	23T00149L35	ELY.	47 μ F/25V		J4001	09T15454W01	Plate.	Phono 4P (LINE IN/OUT)
	C8001	23T00149L32	ELY.	10 μ F/25V		J8051	09T15461W01	Min..	2P (BUS LINE)
	C8002	23T00149L32	ELY.	10 μ F/25V		Switch			
Resistors						S6501	40T15334W01	Push (SPUN)	(TIMER)
	R1037	06T92265F13	MF.	33ohm-3W					
	R6001	06T52333F05	Block	10Kohm x8					
	R6002	06T52333F05	Block	10Kohm x8					
	R6003	06T52333F02	Block	10Kohm x4					
	R6004	06T52333F02	Block	10Kohm x4					
	R6005	06T52333F02	Block	10Kohm x4					
	R6006	06T52333F02	Block	10Kohm x4					
	R6061	06T92265F13	MF.	33ohm-3W					
	R6062	06T92265F13	MF.	33ohm-3W					
	R6076	06T92264F01	MF.	10ohm-2W					

Note: ● : For Japanese Model Only(JA) ▲ : For American Model Only(UZ)

◆ : For West Germany Model Only(AD) ■ : For England Model Only(AG) Others : Common

Symbol No.	Part No.	Description		
Dolby P.C. Board				
IC				
IC3001	51T73972F02	HA12088ANT		
Transistors				
Q3001	48T81101F01	2SC1815		
Q3002	48T81715F12	DTC114Y		
Q3003	48T81715F12	DTC114Y		
Q5071	48T81101F01	2SC1815		
Q5072	48T81101F01	2SC1815		
Q5073	48T81101F01	2SC1815		
Q5074	48T81101F01	2SC1815		
Q5075	48T81101F01	2SC1815		
Q5076	48T81101F01	2SC1815		
Q5201	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q5202	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q5203	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q5204	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q5205	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q5206	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q5207	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q5208	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q5209	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q5210	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q5211	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q5212	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Diodes				
D8001	48T15817W01	1SS108		
D5071	48T44813F01	MA165TA		
D5072	48T44813F01	MA165TA		
D5073	48T44813F01	MA165TA		
D5074	48T44813F01	MA165TA		

Symbol No.	Part No.	Description		
D5075	48T44813F01	MA165TA		
D5076	48T44813F01	MA165TA		
D5201	48T44813F01	MA165TA		
D5202	48T43189F01	1S1555		
D5208	48T44813F01	MA165TA		
D5204	48T43189F01	1S1555		
D5205	48T44813F01	MA165TA		
D5206	48T43189F01	1S1555		
D5207	48T44813F01	MA165TA		
D5208	48T44813F01	MA165TA		
D5209	48T44813F01	MA165TA		
D5210	48T44813F01	MA165TA		
D5211	48T44813F01	MA165TA		
D5212	48T44813F01	MA165TA		
ZD3001	48T52739F47	ZEN. HZ7B-2		
ZD3002	48T52740F09	ZEN. HZ12C-3		
ZD3003	48T52739F43	ZEN. HZ7A-1		
Coils				
L3001	24T81850F22	Inductor 36mH		
L3002	24T81850F22	Inductor 36mH		
Capacitors				
C3001	23T00181L21	ELY. 1000 μ F/16V		
C3003	23T00149L37	ELY. 220 μ F/25V		
C3004	23T00149L33	ELY. 22 μ F/25V		
C3005	23T00149L25	ELY. 100 μ F/16V		
C3007	23T00149L33	ELY. 22 μ F/25V		
C3011	23T42478F24	ELY. 1 μ F/50V		
C3012	23T42478F24	ELY. 1 μ F/50V		
C3013	23T42478F21	ELY. 0.33 μ F/50V		
C3014	23T42478F21	ELY. 0.33 μ F/50V		
C3015	23T00149L32	ELY. 10 μ F/25V		
C3016	23T00149L32	ELY. 10 μ F/25V		
C3017	23T00138L26	ELY. 4.7 μ F/25V		
C3018	23T00138L26	ELY. 4.7 μ F/25V		
C3019	08T57705F58	MYL. 1800pF		
C3020	08T57705F58	MYL. 1800pF		
C3021	08T57705F67	MYL. 0.01 μ F		
C3022	08T57705F67	MYL. 0.01 μ F		
C3023	23T00149L52	ELY. 1 μ F/50V		
C3024	23T00149L52	ELY. 1 μ F/50V		
C3025	08T57705F70	MYL. 0.018 μ F		

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Symbol No.	Part No.	Description		
C3028	08T57705F70	MYL. 0.018 μ F		
C3027	23T42478F23	ELY. 0.68 μ F/50V		
C3028	23T42478F23	ELY. 0.68 μ F/50V		
C3029	23T00149L53	ELY. 2.2 μ F/50V		
C3030	23T00149L53	ELY. 2.2 μ F/50V		
C3031	08T57705F70	MYL. 0.018 μ F		
C3032	08T57705F70	MYL. 0.018 μ F		
C3033	08T57705F67	MYL. 0.01 μ F		
C3034	08T57705F67	MYL. 0.01 μ F		
C3035	08T90316F28	TF. 0.082 μ F		
C3036	08T90316F28	TF. 0.082 μ F		
C3037	23T42478F23	ELY. 0.68 μ F/50V		
C3038	23T42478F23	ELY. 0.68 μ F/50V		
C3039	23T00149L53	ELY. 2.2 μ F/50V		
C3040	23T00149L53	ELY. 2.2 μ F/50V		
C3041	23T00138L26	ELY. 4.7 μ F/25V		
C3042	23T00138L26	ELY. 4.7 μ F/25V		
C3045	23T00149L32	ELY. 10 μ F/25V		
C3046	23T00149L32	ELY. 10 μ F/25V		
C3047	23T00138L11	ELY. 47 μ F/10V		
C3048	23T00138L11	ELY. 47 μ F/10V		
■ C3049	08S40805F05	CER. 470pF		
◆ C3049	08S40805F05	CER. 470pF		
■ C3050	08S40805F05	CER. 470pF		
◆ C3050	08S40805F05	CER. 470pF		
■ C3051	08T52714F17	CER. 0.022 μ F		
◆ C3051	08T52714F17	CER. 0.022 μ F		
C5201	08T57705F63	MYL. 4700pF		
C5202	08T57705F63	MYL. 4700pF		
C5211	08T57705F63	MYL. 4700pF		
C5212	08T57705F63	MYL. 4700pF		
C5221	08T57705F62	MYL. 3900pF		
C5222	08T57705F62	MYL. 3900pF		
C5231	08T57705F60	MYL. 2700pF		
C5232	08T57705F60	MYL. 2700pF		
C5233	08S40805F01	CER. 100pF		
C5234	08S40805F01	CER. 100pF		
C5241	08T57705F56	MYL. 1200pF		
C5242	08T57705F56	MYL. 1200pF		
C5243	21S40655F28	CER. 270pF		
C5244	21S40655F28	CER. 270pF		
C5251	08T57705F57	MYL. 1500pF		
C5252	08T57705F57	MYL. 1500pF		
C5253	08S40805F02	CER. 150pF		
C5254	08S40805F02	CER. 150pF		

Symbol No.	Part No.	Description		
C5261	23T00149L32	ELY. 10 μ F/25V		
C5262	23T00149L32	ELY. 10 μ F/25V		
C5263	23T00149L32	ELY. 10 μ F/25V		
C5264	23T00149L32	ELY. 10 μ F/25V		
C5267	08T57705F79	MYL. 0.1 μ F		
C5268	08T57705F79	MYL. 0.1 μ F		
Volume				
VR5071	18T15356W12	RH0634C 6.8K ohm		
VR5072	18T15356W12	RH0634C 6.8K ohm		
VR5073	18T15356W09	RH0634C 2.2K ohm		
VR5074	18T15356W09	RH0634C 2.2K ohm		
VR5075	18T15356W08	RH0634C 1.5K ohm		
VR5076	18T15356W08	RH0634C 1.5K ohm		
Key SW P.C. Board				
IC's				
IC8101	51T51749F01	BA6124		
IC8102	51T51749F01	BA6124		
Diodes				
D6201	48T44813F01	MA165TA		
D6202	48T44813F01	MA165TA		
D6203	48T44813F01	MA165TA		
D6204	48T44813F01	MA165TA		
D6205	48T44813F01	MA165TA		
D6221	48T43189F01	1S1555		
D6222	48T43189F01	1S1555		
D6223	48T43189F01	1S1555		
LED's				
LD6201	48T60488F01	SLR-54DU3 (ORG)		
LD6202	48T60488F01	SLR-54DU3 (ORG)		
LD6203	48T60488F01	SLR-54DU3 (ORG)		
LD6204	48T60488F01	SLR-54DU3 (ORG)		
LD8101	48T56898F02	SLJ-165VR3HL (RED)		
LD8102	48T56898F02	SLJ-165VR3HL (RED)		
Capacito				
C8111	23T00149L32	ELY. 10 μ F/25V		
C8118	23T00149L32	ELY. 10 μ F/25V		
C8114	23T00149L32	ELY. 10 μ F/25V		

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 ◆ : For West Germany Model Only (AD) ■ : For England Model Only (AG) Others : Common

Symbol No.	Part No.	Description		
Switches				
S6201	40T83324F15	Tact SKHHPM (□)		
S6202	40T83324F15	Tact SKHHPM (◁▷)		
S6203	40T83324F15	Tact SKHHPM (▷▷)		
S6204	40T83324F15	Tact SKHHPM (◁)		
S6205	40T83324F15	Tact SKHHPM (▷)		
S6208	40T83324F15	Tact SKHHPM (A)		
S6207	40T83324F15	Tact SKHHPM (B)		
S6208	40T83324F15	Tact SKHHPM (POWER)		
Dubbing SW P.C. Board				
Diodes/LED's				
D6601	48T44813F01	MA165TA		
D6602	48T44813F01	MA165TA		
LD6601	48T72160F01	LED.SLR-40VR3F(RED)		
LD6602	48T72160F01	LED.SLR-40VR3F(RED)		
Switches				
S6601	40T83324F15	Tact SKHHPM (DUBx1)		
S6602	40T83324F15	Tact SKHHPM (DUBx2)		
REC Pause SW P.C. Board				
Diodes/LED				
D6301	48T44813F01	MA165TA		
D6302	48T44813F01	MA165TA		
LD6301	48T72160F01	LED.SLR-40VR3F(RED)		
Switches				
S6301	40T83324F15	Tact SKHHPM (REC MUTE)		
S6302	40T83324F15	Tact SKHHPM (REC PAUSE)		
REC Volume P.C. Board				
Volume				
VR4101	18T15339W01	Rot. RK097 50KMN (REC BALANCE)		
VR4102	18T15339W01	Rot. RK097 50KB (REC LEVEL)		

Symbol No.	Part No.	Description		
REV Node SW P.C. Board				
Diode				
D8701	48T44813F01	MA165TA		
Switches				
S6701	40T15338W01	Rot. SRBM(2-4) (REVERSE MODE)		
S6702	40T15337W01	Rot. SRBM(2-3) (DOLBY NR)		
Miscellaneous				
■	F1001	65T42077U14	Fuse. Semko. 630mA	
◆	F1001	65T42077U14	Fuse. Semko. 630mA	
■	F1002	65T42077U19	Fuse. Semko. 20A	
◆	F1002	65T42077U17	Fuse. Semko. 20A	
	IC1001	51T50834F02	IC. μ PC7805H	
	LD6401	48T60485F01	LED. SLR-34MG3(GRN)	
	LD6402	48T60485F01	LED. SLR-34MG3(GRN)	
	LD6403	48T60485F01	LED. SLR-34MG3(GRN)	
	LD6404	48T60485F01	LED. SLR-34MG3(GRN)	
●	P1001	28T66771F02	Plug. AC Cord	
▲	P1001	28T70972F01	Plug. AC Cord	
■	P1001	28T44061F05	Plug. AC Cord	
◆	P1001	28T43812P02	Plug. AC Cord	
	Q1001	48T58614F01	Transistor. 2SD1406	
	Q1002	48T58614F01	Transistor. 2SD1406	
	Q1005	48T58614F01	Transistor. 2SD1406	
■	S1001	40T80258F03	SW.. Voltage Select 2C	
◆	S1001	40T80258F03	SW.. Voltage Select 2C	
●	T1001	25T15333W01	Trans. Power	
▲	T1001	25T16184W01	Trans. Power	
■	T1001	25T18185W01	Trans. Power	
◆	T1001	25T18185W01	Trans. Power	

Note: ● : For Japanese Model Only(JA) ▲ : For American Model Only(UZ)
◆ : For West Germany Model Only(AD) ■ : For England Model Only(AG) Others : Common

Cabinet Assembly Parts List

Note: The parts without part numbers are not supplied.

Symbol No.	IN-dex	Part No.	Description	Symbol No.	IN-dex	Part No.	Description	
●	1	4-A	64C11383W01	Panel, Front Assy.				
	3	3-G	15C11356W02	Cover, Rear	58	2-D	09T47688P01	Connector, Wire Joint
▲	3	3-G	15C11356W10	Cover, Rear	57	2-D	03S40038U01	Screw, W/Washer (M4x8)
■	8	3-G	15C11356W08	Cover, Rear	58		08S71252P05	Screw, Pan (M3x10)
◆	3	3-G	15C11356W08	Cover, Rear	59		04A66026P04	Washer, Flat (M3.2)
	4	4-B	36B11370W01	Knob, Eject	60		02S40000G10	Nut, Hex (M7)
	5	1-C	15C11367W02	Cover, Top	61	3-F	75S92415F11	Cushion, Rubber
	6	5-C	15T84846F03	LSR-10R	62	4-C	75S82361P43	Cushion, Rubber
	7	5-F	15T84846F01	LSR-8R	■	3-E	09T51410F01	Holder, Fuse
	8		09A82468P01	Screw, Blind (M3x10)	◆	3-E	09T51410F01	Holder, Fuse
					■	4-E	43A43810P01	Bush, Sw
	10		03A44642J03	Screw, Blind (M3x5)				
	11		09C42723U01	Screw, Cup (M3x6)				
	12		08S71031F04	Screw, Blind (M3x8)				
	13	2-F	43B41625J02	Support, Cord				
	15	3-C	45A11371W01	Lever, SW.				
	16	4-A	36A11347W01	Knob, Push				
	19		08T11377W01	Screw, Lever Eject (M3x3.7)				
	21		08S71031F11	Screw, Blind (M3x10)				
	24	2-B	14S94481F47	Insulator, Cover CU				
	25	3-C	03S44205G18	Screw, Countersink (M3x8)				
	26		41A45559P05	Spring, Eject				
	27	4-C	14A13052W01	Insulator, Cover				
	31		09C40121T17	Screw, W/Double Washer (M3x8)				
	32	4-E	29C41045P06	Lug, Board-In 50mm				
	35	5-D	07A12980W01	Spacer, P.C. Board				
	36		08S71031F02	Screw, Blind (M2.6x8)				
	37	3-B	41T11376W01	Spring, Cass				
	38		36A11350W02	Knob, Volume				
	47	4-D	29C41045P02	Lug, Warp Around				
	48		08S40038U04	Screw, W/Washer (M3x8)				
	49		75T11325W01	Trannleg Assy.				
	50		03S44205G82	Screw, Blind (M4x10)				
●	51	5-B	15B11385W01	Cover, Cass Assy.				
▲	51	5-B	15B11385W02	Cover, Cass Assy.				
■	51	5-B	15B11385W02	Cover, Cass Assy.				
◆	51	5-B	15B11385W02	Cover, Cass Assy.				
	52	5-B	15B11388W01	Cover, Cass B Assy.				
	53	2-A	81T15108W01	Cassette, Deck FP77E010				
	54	2-D	81T15109W01	Cassette, Deck FP87E010				
	55	4-B	36C11384W01	Knob, Logic Assy.				

Note: ●; For Japanese Model Only (JA)

▲; For American Model Only (UZ)

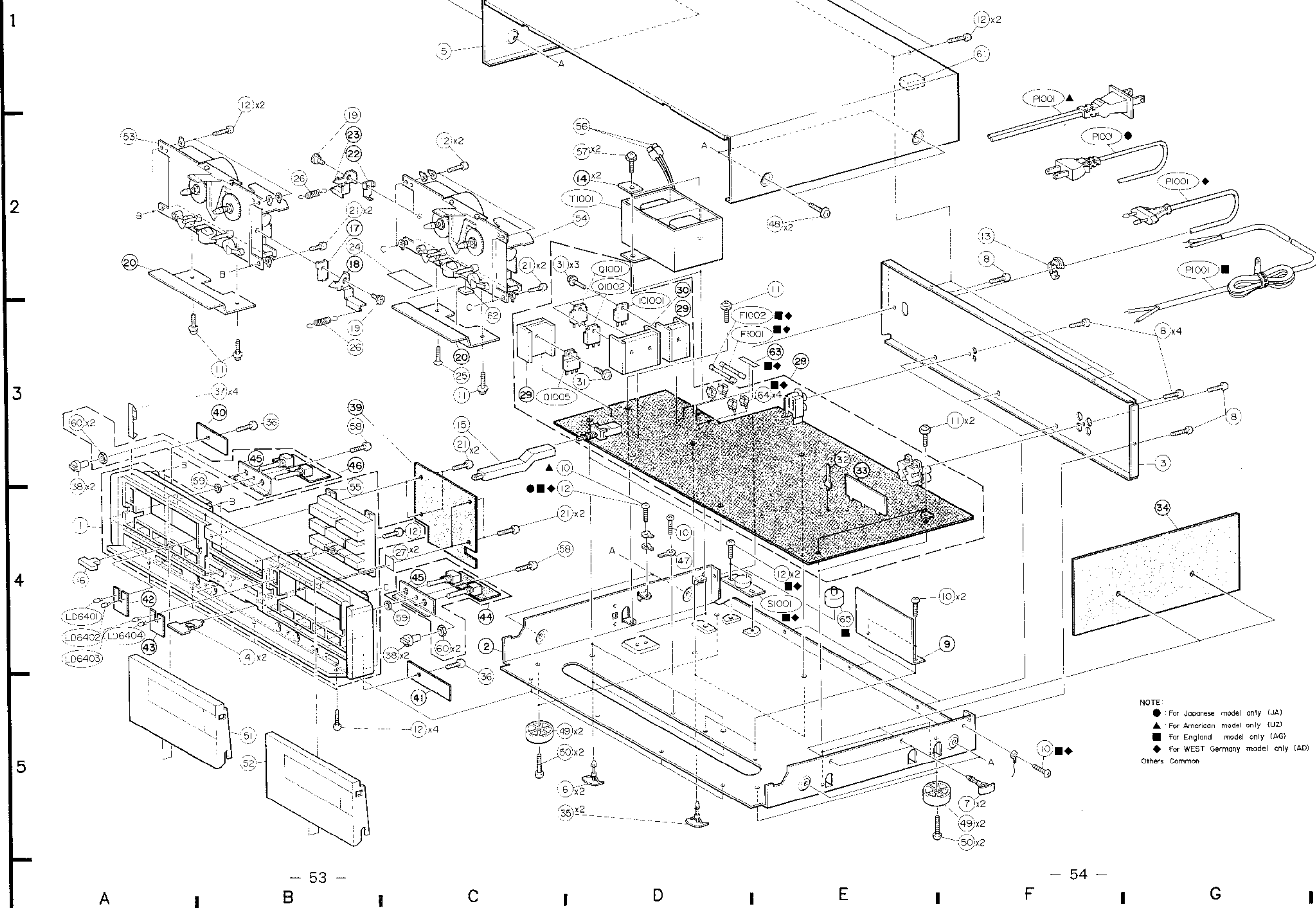
◆; For West Germany Model Only (AD)

■; For England Model Only (AG) Others: Common

K-007

K-007

Exploded View (Cabinet)



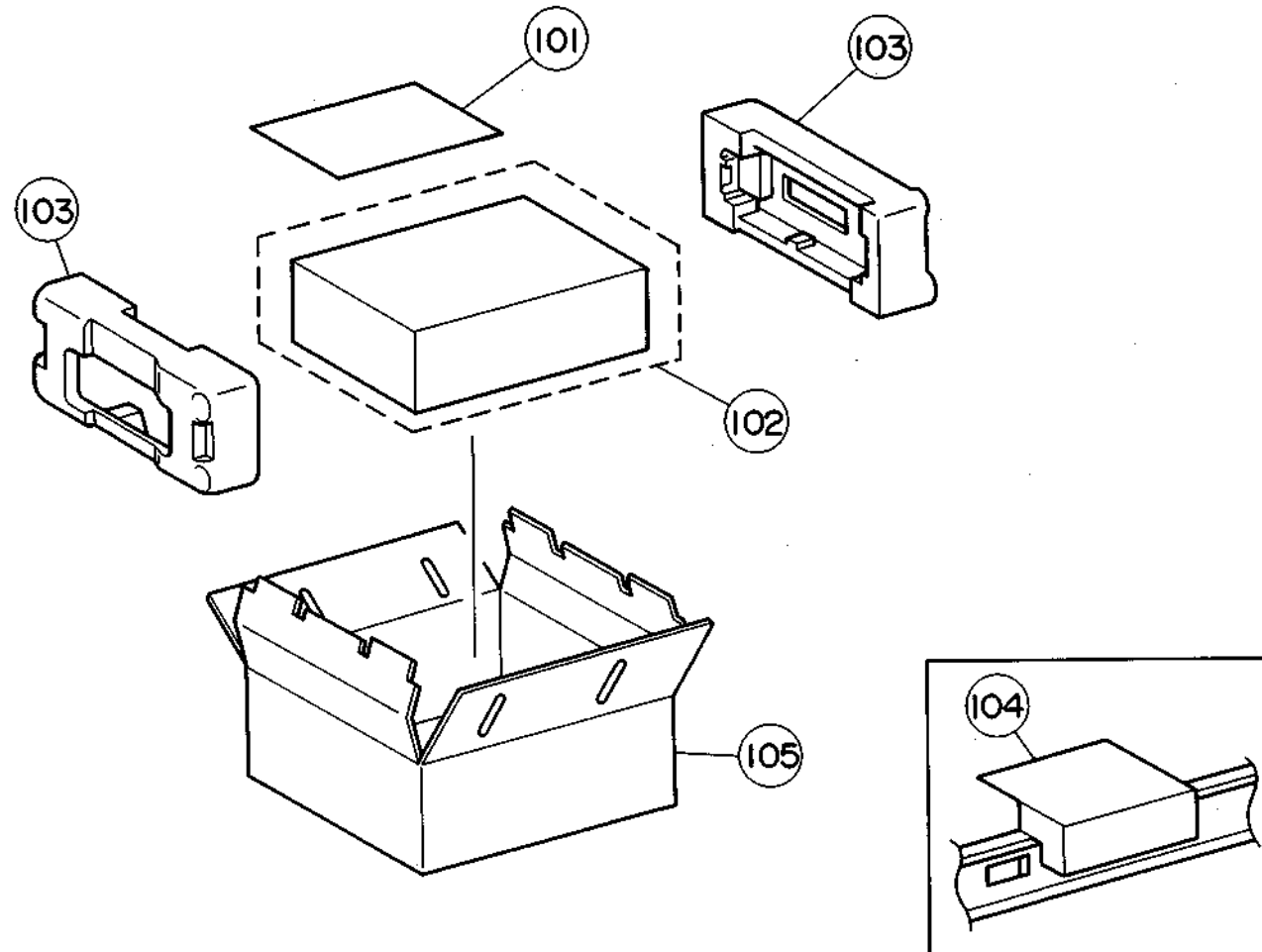
NOTE:
 ● : For Japanese model only (JA)
 ▲ : For American model only (UZ)
 ■ : For England model only (AG)
 ◆ : For WEST Germany model only (AD)
 Others: Common

Packing Assembly Parts List

Symbol No.	Part No.	Description		
●	101-1	68P96552P09	Owners. Manual (K-007JA)	
▲	101-1	68P96552P52	Owners. Manual (K-007UZ)	
■	101-1	68P96552P53	Owners. Manual (K-007AG)	
◆	101-1	68P96552P58	Owners. Manual (K-007AD)	
	101-2	28T15831W02	Plug. Output 60 (TSC)	
	101-3	28T15332W02	Cord. Cont 60 (TSC)	
	102	58B13156W02	Packing. Sheet	
	103	58D11359W01	Tray. Packing (R)	
	104	58B13077W01	Pad. Inner	
●	105	56S10005W23	Carton. Packing	
▲	105	56S10005W47	Carton. Packing	
■	105	56S10005W47	Carton. Packing	
◆	105	56S10005W47	Carton. Packing	

Note: ●: For Japanese Model Only (JA) ▲: For American Model Only (UZ)
 ◆: For West Germany Model Only (AD) ■: For England Model Only (AG) Others: Common

Packing Method View

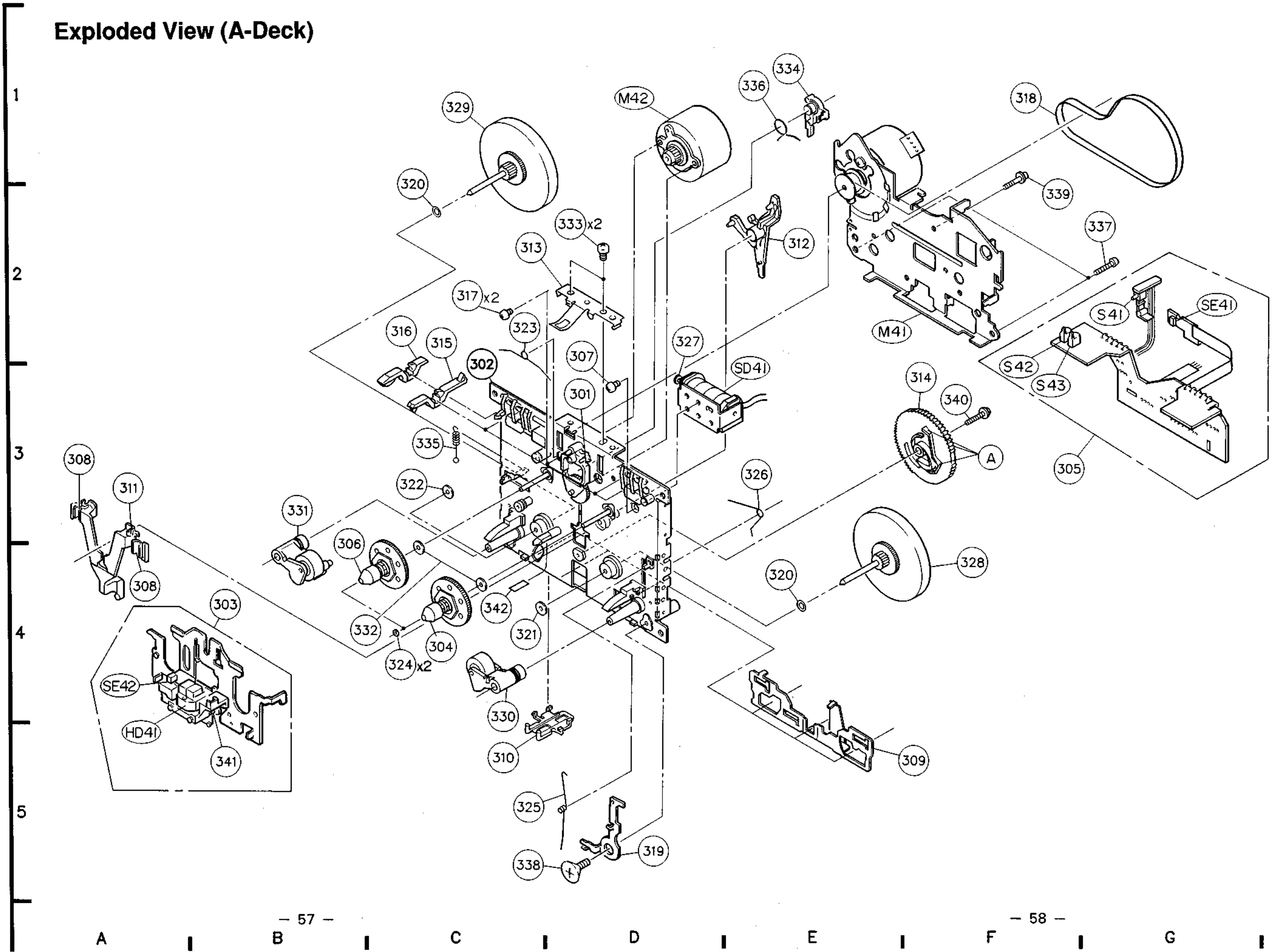


Mechanism Assembly Parts List (A-Deck)

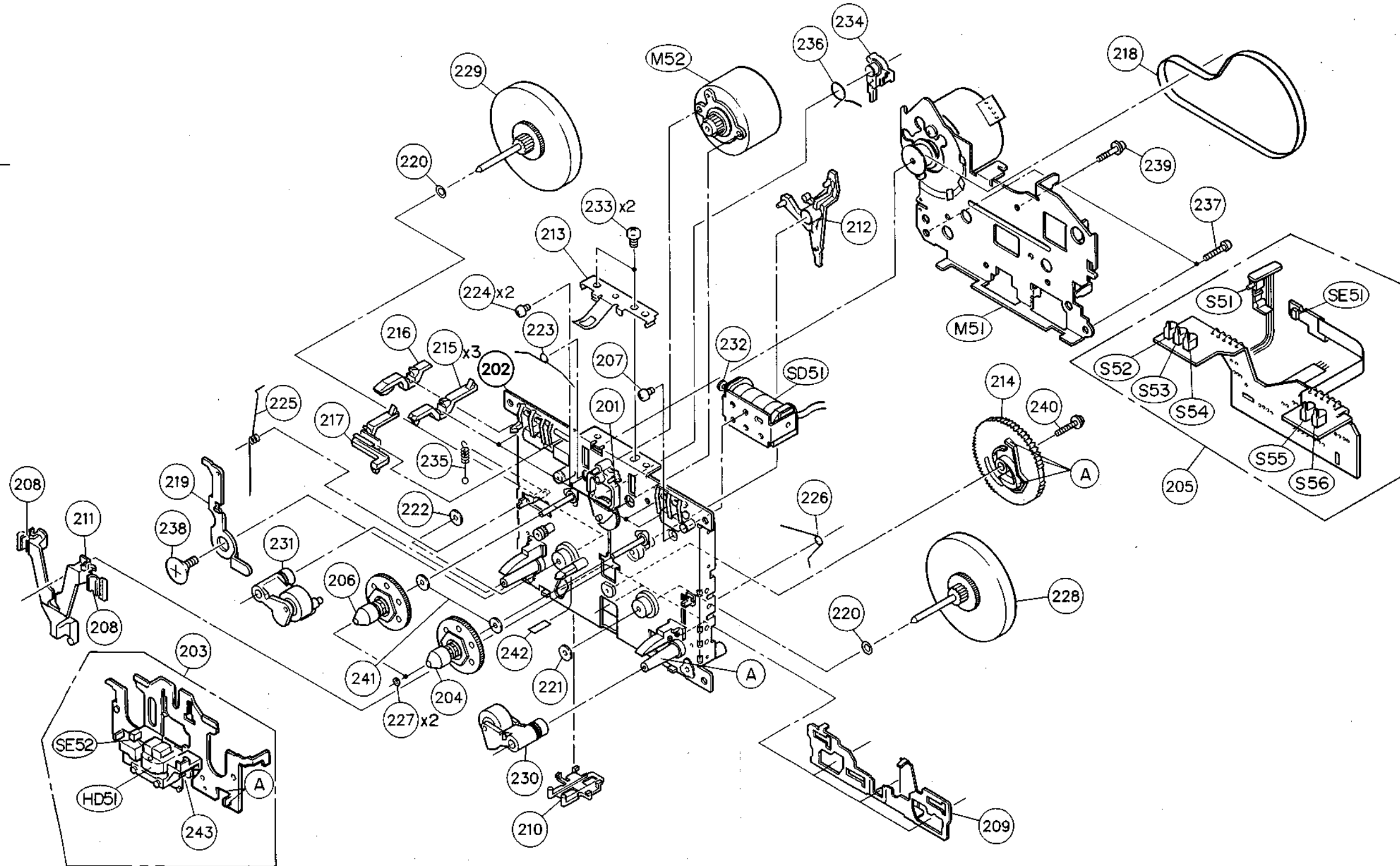
Note: The parts without part numbers are not supplied.

Symbol No.	IN-dex	Part No.	Description		
301	3-D	F517-047	Idler Block		
303	4-B	F513-469	Plate Head Block		
304	4-C	F623-037	Reel Base Block		
305	3-F	F567-217	Control P.C. Board Block		
306	4-B	F623-127	Reel Base Block		
307	2-D	FG114-15	Screw. Pan (M2.6x4)		
308		FP16N-13	Rubber. Brake		
309	5-P	FC47B-15	Plate. Slide		
310	5-C	FD31Y-41	Holder. Lead		
311	3-A	FD36H-12	Lever. Hold (B)		
312	2-E	FD36M-22	Arm. Play (P)		
313	2-C	FC40N-32	Spring. Cassette Holder		
314	3-F	FD39C-52	Gear. Cam (C)		
315	2-C	FD39S-21	Lever. Cr02 Detector		
316	2-C	FD38T-12	Lever. PACK Detector		
317	2-C	FG114-20	Screw. Pan (M2.6x6)		
318	1-P	FP16M-11	Belt. Main		
319	5-D	FC39M-68	Arm. EJECT Prevention (R)		
320		FJ111-30	Washer. Polyslider (M2.6)		
321	4-C	FJ141-11	Washer. Oil (M2.6)		
322	3-C	FJ141-14	Washer. Oil (M2.6)		
323	2-C	FK22E-13	Spring. Hold		
324	4-C	FJ111-17	Washer. Polyslider (M1.7)		
325	5-C	FK22V-15	Spring. EJECT Prevention (R)		
326	3-E	FK25T-13	Spring. Slide		
327	2-D	PL366-11	Plunger		
328	4-P	FR18M-41	Assy.. Flywheel		
329	1-C	FR19T-21	Assy.. Flywheel		
330	4-C	FR20L-21	Assy.. Pinchroller		
331	3-B	FR20M-21	Assy.. Pinchroller		
332	4-B	UJ12V-11	Washer. Polyslider (M2.1)		
333	2-D	KG194-11	Screw. Pan (M3x5)		
334	1-E	FD35N-12	Arm. Direction		
335	3-C	FK22N-12	Spring. Turn		
336	1-E	FK25U-13	Spring. Direction		
337	2-G	UG12H-14	Screw. Pan (M2.6x8)		
338	5-C	UG15S-11	Screw. Special (M3x4)		
339	2-P	UG17H-11	Screw. W/Washer (M2.6x23.5)		
340	3-F	UG17L-11	Screw. W/Washer (M2x15)		
341	5-B	P769-016	Housing. Head Block		

Exploded View (A-Deck)



Exploded View (B-Deck)



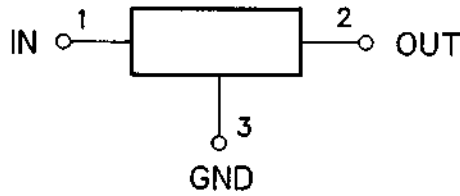
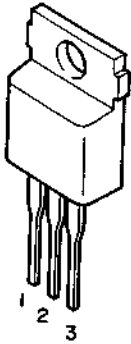
Mechanism Assembly Parts List (B-Deck)

Note: The parts without part numbers are not supplied.

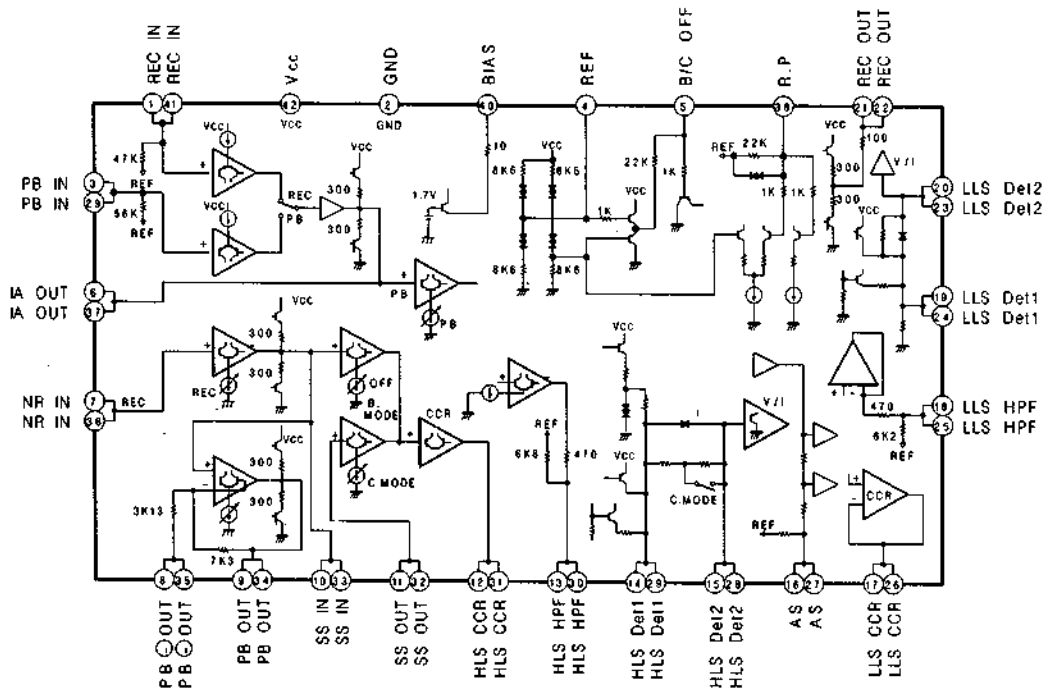
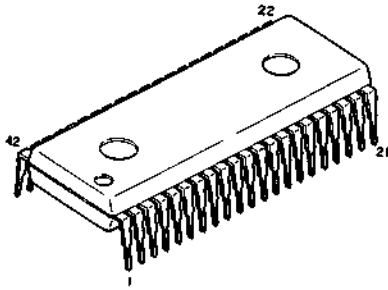
Symbol No.	IN-dex	Part No.	Description			Symbol No.	IN-dex	Part No.	Description		
201	3-D	F517-047	Idler Block			242	4-C	UT11R-11	Plate, Reflector		
203	4-B	F513-468	Plate Head Block			243	5-B	F769-016	Housing, Head Block		
204	4-C	F623-037	Reel Base Block								
205	3-F	F567-217	Control P.C.Board Block								
206	4-B	F623-127	Reel Base Block								
207	2-D	FG114-15	Screw, Pan (M2.6x4)								
208		FP16N-13	Rubber, Brake								
209	5-E	FC47B-15	Plate, Slide								
210	5-C	FD31Y-41	Holder, Lead								
211	3-A	FD36H-12	Lever, Hold (B)								
212	2-E	FD38M-22	Arm, Play (F)								
213	2-C	FC40N-32	Spring, Cassette Holder								
214	3-F	FD39C-52	Gear, Cam (G)								
215	2-C	FD38S-21	Lever, REC Detector								
216	2-C	FD38T-12	Lever, PACK Detector								
217	3-B	FD38U-12	Lever, METAL Detector								
218	1-P	FF16M-11	Belt, Main								
219	3-B	FC39L-63	Arm, EJECT Prevention (L)								
220		FJ111-30	Washer, Polyslider (M2.6)								
221	4-C	FJ141-11	Washer, O11 (M2.6)								
222	3-C	FJ141-14	Washer, O11 (M2.6)								
223	2-C	PK22E-13	Spring, Hold								
224	2-C	PG114-20	Screw, Pan (M2.6x6)								
225	3-B	PX22P-16	Spring, EJECT Prevention (L)								
226	3-E	FK25T-13	Spring, Slide								
227	4-C	FJ111-17	Washer, Polyslider (M1.7)								
228	4-F	FR18M-41	Assy., Flywheel								
229	1-C	FR19T-21	Assy., Flywheel								
230	4-C	FR20L-21	Assy., Pinchroller								
231	3-B	FR20M-21	Assy., Pinchroller								
232	2-D	PL366-11	Plunger								
233	2-D	KG194-11	Screw, Pan (M3x5)								
234	1-E	FD35N-12	Arm, Direction								
235	3-C	FK22N-12	Spring, Turn								
236	1-E	PX25U-13	Spring, Direction								
237	2-G	UG12H-14	Screw, Pan (M2.6x8)								
238	3-B	UG15S-11	Screw, Special (M3x4)								
239	2-F	UG17H-11	Screw, W/Washer (M2.6x23.5)								
240	3-F	UG17L-11	Screw, W/Washer (M2x15)								
241	4-C	UJ12V-11	Washer, Polyslider (M2.1)								
Miscellaneous											
		HD51	5-A	FU18D-11	Head						
		M51	2-E	F525-252	Main Motor Block						
		M52	1-D	F564-258	Reel Motor Block						
		S51	2-G	UE16D-12	SW., Leaf (DIR)						
		S52	2-F	UE16E-11	SW., Push (HALP)						
		S53	3-F	UE16E-11	SW., Push (FWD)						
		S54	3-G	UE16E-11	SW., Push (REV)						
		S55	3-G	UE16E-11	SW., Push (Cr02)						
		S56	3-G	UE16E-11	SW., Push (METAL)						
		SD51	2-E	F765-252	Solenoid Block						
		SE51	2-G	AZ15S-00	Sensor, Reel						
		SE52	4-A	AZ13P-00	Sensor, Leader Tape						

Semi-Conductor Lead Identifications

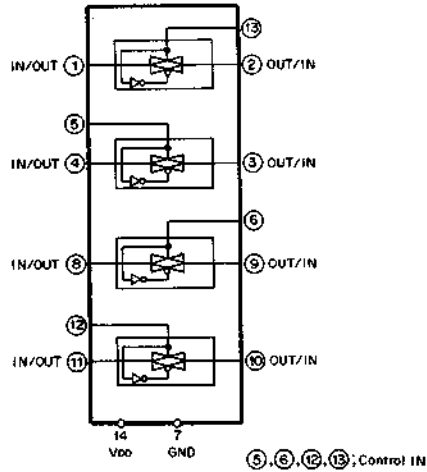
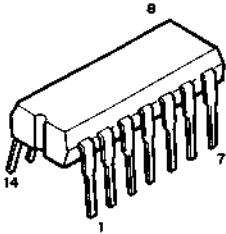
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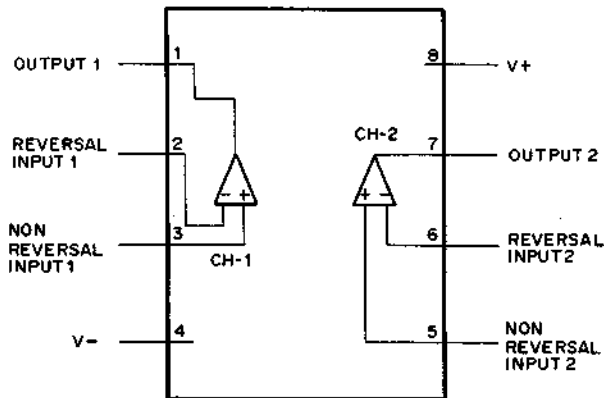
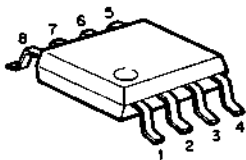
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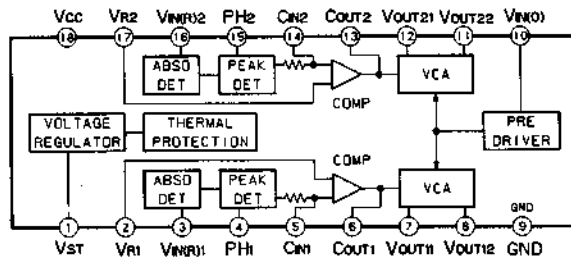
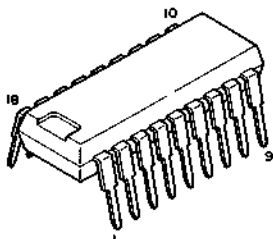
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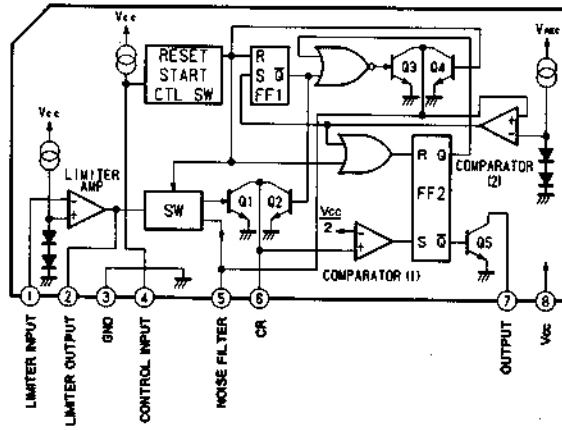
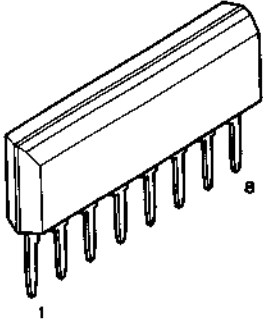
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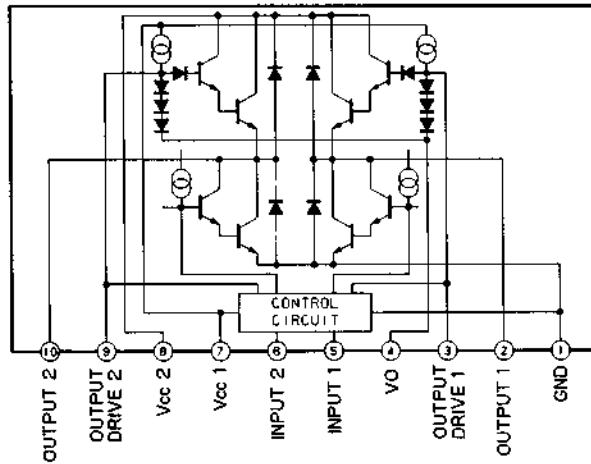
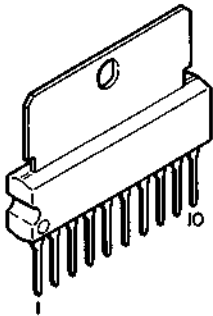
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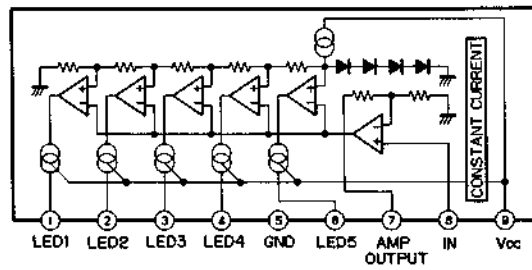
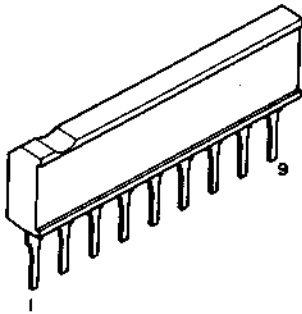
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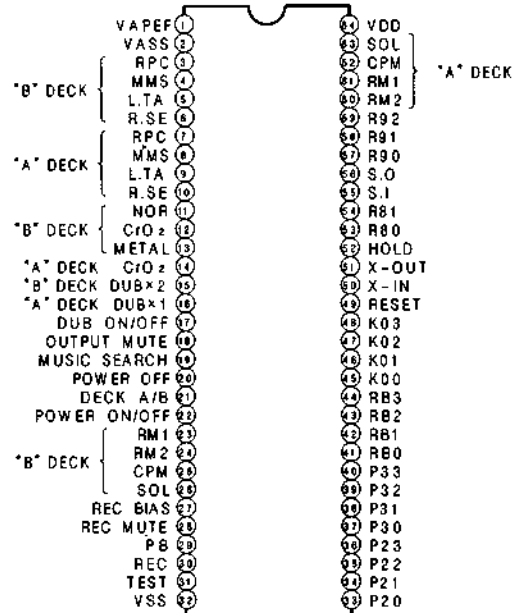
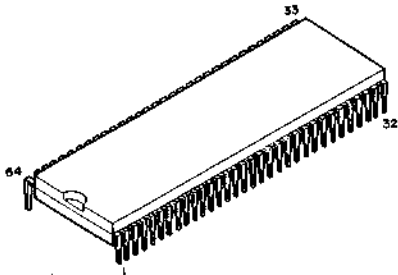
BA6229: IC6071, 6072



BA6124: IC8101, 8102



96291F01: IC6001



- 2SA921 : Q2117
 2SA1015 : Q2113, 6027, 6028, 6029, 6073, 6074
 2SC1318NC: Q5101, 5102
 2SC1815 : Q1003, 1004, 1006, 1007, 1009, 1012, 1031, 1034, 2011, 2012, 2118, 3001, 4007, 4008,
 Q5051, 5071, 5072, 5073, 5074, 5075, 5076, 5123, 6026, 6061, 6062, 6063, 6064, 6077,
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 2SC1890 : Q2121, 2122, 2123, 2124
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1. Emitter
2. Collector
3. Base

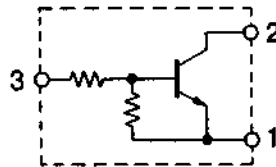
2SD1406: Q1001, 1002, 1005



- 1. Base
- 2. Collector
- 3. Emitter

DTC114Y: Q1032, 1033, 3002, 3003, 6001, 6002, 6003, 6004, 6005, 6006, 6007, 6008, 6009, 6010, Q6011, 6012, 6013, 6014, 6030, 6031, 6032, 6033, 6034, 6035, 6036, 6037, 6052, 6054, Q6071, 6072, 6075, 6076

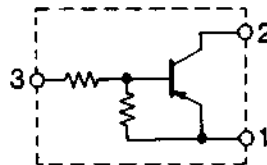
DTC124X: Q2116, 4006, 4010, 4011, 4012, 4013, 5122



- 1. Emitter
- 2. Collector
- 3. Base

DTA124E: Q2013, 2014, 2015, 2016, 2114, 2115, 3103, 4005, 4009, 5037, 6015, 6016, 6017, Q6018, 6019, 6020, 6021, 6022, 6023, 6024, 6025, 6053

DTA143E: Q6051



- 1. Emitter
- 2. Collector
- 3. Base