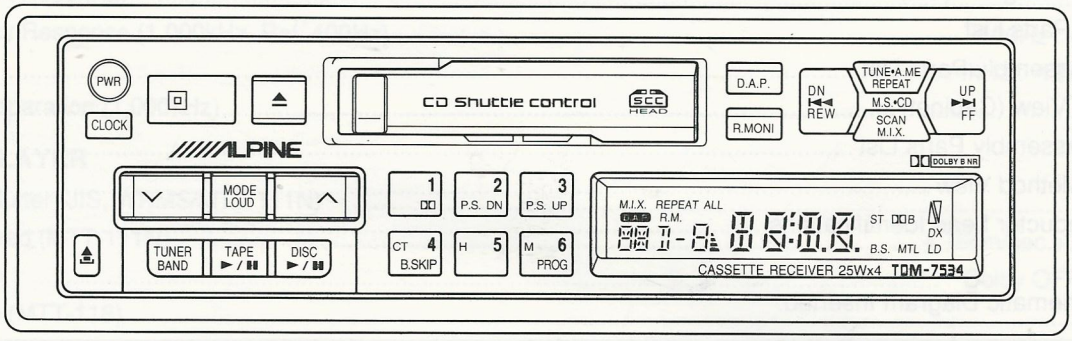
ALPINE®
SERVICE MANUAL

FM/AM Cassette Receiver

CD Shuttle Controller

● For the cassette deck mechanism parts (GR75H110/120) of this model, refer to the Service Manual • GR/GR-Y Series (68P20504W07).



TDM-7534/TDM-7534E
TDM-7532/TDM-7532E
TDM-7531/TDM-7531E

Contents

Spare Schematic Diagram Inserted.

Specifications

FM RADIO

Intermediate Frequency	10.7±0.1MHz
Frequency Range	87.7～107.9MHz
Usable Sensitivity (Mono, 98.1MHz)	20.2dBf
-3dB Limiting Sensitivity (98.1MHz)	20.2dBf
S/N Ratio (Stereo, 98.1MHz)	55dB
Image Rejection (106.1MHz)	40dB
IF Rejection (90.1MHz)	60dB
Distortion (Input 60dB μ, 98.1MHz)	1%
Stereo Separation (1kHz)	25dB
Frequency Response (98.1MHz, Ref. 400Hz)	100Hz : 0±3dB 10kHz : -13±3dB
50dB S/N Quieting Sensitivity (98.1MHz)	20.2dBf

AM RADIO

Intermediate Frequency	450kHz
Frequency Range	530～1,710kHz
Sensitivity (20dB S/N, 1,000kHz)	34dB
S/N Ratio (1,000kHz)	44dB
Image Rejection (1,400kHz)	50dB
IF Rejection (600kHz)	60dB
Distortion (1,000kHz)	1%
Frequency Response (1,000kHz, Ref. 400Hz)	100Hz : -3±4dB 4kHz : -12+4, -8dB
Stereo Separation (1,000kHz)	18dB

TAPE PLAYER

Wow & Flutter (JIS, WRMS/MTT-111N)	0.2%
Tape Speed (MTT-111N)	4.76cm/sec.+3 to -1%
S/N Ratio	Dolby OFF : 52dB
Distortion (MTT-118)	2%
Frequency Response (Ref. 1kHz, -4dB, MTT-256)	63Hz～12.5kHz
Separation (MTT-141N)	35dB
Crosstalk (MTT-121N)	45dB
FF & REW Time (C-60)	115sec.

GENERAL

Power Supply	14.4V DC
Output Power/Impedance	14W/ch/4ohm
Semiconductors	14IC's, 39Transistors, 19Diodes, 7Zener Diodes (○●) 14IC's, 36Transistors, 19Diodes, 6Zener Diodes (□■) 12IC's, 35Transistors, 19Diodes, 6Zener Diodes (△▲)
Dimensions (W×H×D)	Nose : 188×58×19.5mm Chassis : 178×50×152mm
Weight	1.4kg

Note : Due to Continuing product improvement, specifications and designs are subject to change without notice.

○:For TDM-7534 Model Only, ●:For TDM-7534E Model Only, □:For TDM-7532 Model Only,
■:For TDM-7532E Model Only, △:For TDM-7531 Model Only, ▲:For TDM-7531E Model Only, Others : Common.

In Case of Difficulty

If you encounter a problem, please review the items in the following checklist. This guide will help you isolate the problem if the unit is at fault. Otherwise, make sure the rest of your system is properly connected or consult your authorized Alpine dealer.

Initial Turn-on After Installation

Symptom/Symptôme/Síntoma	Cause and Solution
No function or display./Fonctions inopérantes ou pas d'affichage./La unidad no funciona ni hay visualización.	• Car's ignition is off. – If connected following instructions, the unit will not operate with the car's ignition off.
	• Improper power lead connections. – Check power lead connections.
	• Blown fuse. – Check the fuses on the battery leads; replace with the proper value if necessary.

Radio Mode

Symptom/Symptôme/Síntoma	Cause and Solution
Unable to receive stations./Impossible de recevoir les stations./Es imposible recibir emisoras.	• No antenna or open connection in cable. – Make sure the antenna is properly connected; replace the antenna or cable if necessary.
Unable to tune stations in the seek mode./ Impossible d'accorder les stations en mode de recherche automatique./Es imposible sintonizar emisoras en el modo de búsqueda.	• You are in a weak signal area. – Make sure the tuner is in the DX mode. • If the area you are in is a primary signal area, the antenna may not be grounded and connected properly. – Check your antenna connections; make sure the antenna is properly grounded at its mounting location. • The antenna may not be the proper length. – Make sure the antenna is fully extended; if broken, replace the antenna with a new one.
Broadcast is noisy./Réception parasitée./La recepción es ruidosa.	• The antenna is not the proper length. – Extend the antenna fully; replace it if it is broken. • The antenna is poorly grounded. – Make sure the antenna is grounded properly at its mounting location.

Tape Mode

Output sounds dull./Sortie de son atténuée./ El sonido se oye inestable.	• The tape head needs cleaning. – Clean the tape head. • Incorrect Dolby NR in use. – Check Dolby NR switch setting.

In Case of Difficulty

CD Shuttle Mode

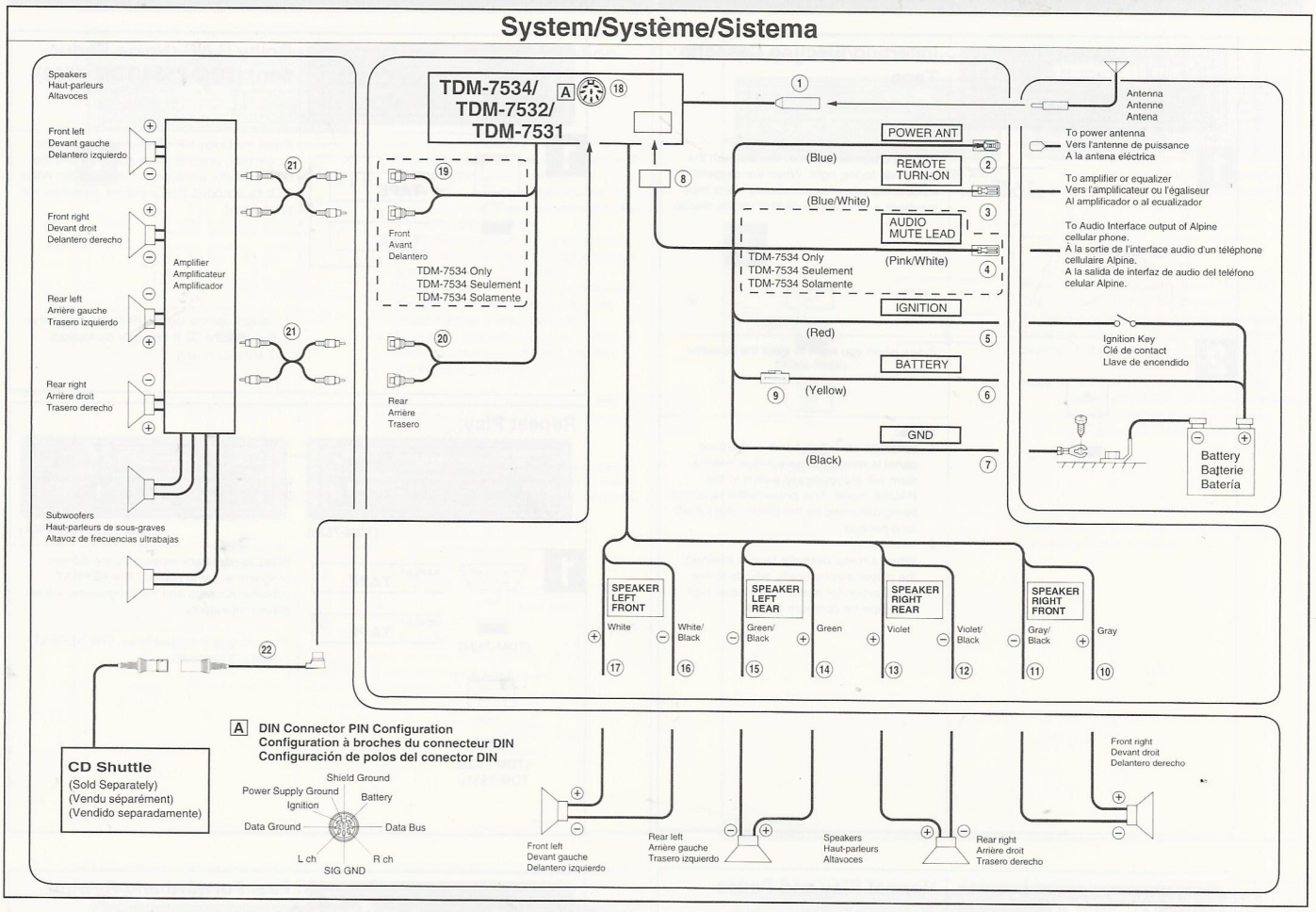
Symptom/Symptom/Symptôme	Cause and Solution
CD Shuttle not functioning./Le changeur CD ne fonctionne pas./El cambiador de discos compactos no funciona.	• Out of operating temperature range +50°C (+120°F) for CD. – Allow the car's interior (or trunk) temperature to cool.
CD playback sound is wavering./Le son de lecture de CD est déformé./El sonido de reproducción de un disco compacto oscila.	• Moisture condensation in the CD Module. – Allow enough time for the condensation to evaporate (about 1 hour).
Unable to fast forward or backward./Avance rapide ou inversion impossibles./El disco no avanza ni retrocede.	• The CD has been damaged. – Eject the CD and discard it; using a damaged CD in your unit can cause damage to the mechanism.
Sound skips due to vibration./Pertes de son dues à des vibrations./El sonido salta debido a las vibraciones.	• Improper mounting of the CD Shuttle. – Securely re-mount the CD Shuttle. • Disc is very dirty. – Clean the disc. • Disc has scratches. – Change the disc.
Sound skips without vibration./Pertes de son non dues à des vibrations./El sonido salta sin haber vibraciones.	• Dirty or scratched disc. – Clean the disc; damaged discs should be replaced.
Single (8cm) disc does not play./Impossible de reproduire un CD de 8 cm./No es posible reproducir un disco sencillo (8 cm).	• Single CD adaptor is not used. – Attach a single CD adaptor (recommended by Alpine) to the single disc and insert into the CD magazine.

Indication for CD Shuttle

Indication/Indication/Indicación	Cause and Solution
- - - H	• Protective circuit is activated due to high temperature. – The indicator will disappear when the temperature returns to within operation range.
E - 0 1	• Malfunction in the CD Shuttle. – Consult your Alpine dealer. Press the magazine eject button and pull out the magazine. Check the indication. Insert the magazine again. If the magazine cannot be pulled out, consult your Alpine dealer.
	• Magazine ejection not possible. – Press the magazine eject button. If the magazine does not eject, consult your Alpine dealer.
E - 0 2	• A disc is left inside the CD Shuttle. – Press the EJECT button to activate the eject function. When the CD Shuttle finishes the eject function, insert an empty CD magazine into the CD Shuttle to receive the disc left inside the CD Shuttle.
- - - -	• No magazine is loaded into the CD Shuttle. – Insert a magazine.
T - 0 0	• No indicated disc. – Choose another disc.

Connections/Connexions/Conexiones

System/Système/Sistema



① **Antenna Receptacle**

② **Power Antenna Lead (Blue)**
Connect this lead to the +B terminal of your power antenna, if applicable.

③ **Remote Turn-On Lead (Blue/White)**
Connect this lead to the remote turn-on lead of your amplifier or signal processor.

④ **Audio Mute Lead (Pink/White) (TDM-7534 only)**
Connect this lead to the Audio Interface output of an Alpine cellular phone that provides +12 volt current to activate the muting circuit inside the TDM-7534.

⑤ **Switched Power Lead (Ignition) (Red)**
Connect this lead to an open terminal on the vehicle's fuse box or another unused power source which provides (+)12V only when the ignition is turned on or in the accessory position.

⑥ **Battery Lead (Yellow)**
Connect this lead to the positive (+) post of the vehicle's battery.

⑦ **Ground Lead (Black)**
Connect this lead to a good chassis ground on the vehicle. Make sure the connection is made to bare metal and is securely fastened using the sheet metal screw provided.

⑧ **Power Supply Connector**

⑨ **Fuse Holder (10A)**

⑩ **Right Front (+) Speaker Output Lead (Gray)**

⑪ **Right Front (–) Speaker Output Lead (Gray/Black)**

⑫ **Right Rear (–) Speaker Output Lead (Violet/Black)**

⑬ **Right Rear (+) Speaker Output Lead (Violet)**

⑭ **Left Rear (+) Speaker Output Lead (Green)**

⑮ **Left Rear (–) Speaker Output Lead (Green/Black)**

⑯ **Left Front (–) Speaker Output Lead (White/Black)**

⑰ **Left Front (+) Speaker Output Lead (White)**

⑱ **DIN Connector**
Connect this to the DIN connector on the CD Shuttle.

⑲ **Front Output RCA Connectors (TDM-7534 only)**
RED is right and WHITE is left.

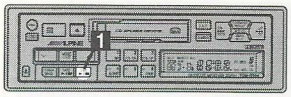
⑳ **Rear Output RCA Connectors**
RED is right and WHITE is left.

㉑ **RCA Extension Cable (Sold Separately)**

㉒ **DIN Extension Cable**

NOTE:
Older Alpine CD Shuttle came with standard, straight type DIN connectors. In installations where an L-type connector would simplify installation, the Alpine 4910_{02} Adaptor can be used (Sold Separately).

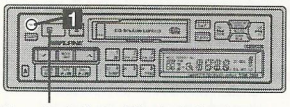
Basic Operation



Initial System Start-Up

1

Immediately after installation, after the vehicle's battery has been disconnected, or after the addition of an optional CD Shuttle, it is necessary to initialize the system. This is done by first, setting the volume level to its minimum. Next, press and hold the DISC button for at least **3** seconds.



Operation indicator/Témoin de fonctionnement/ Indicador de operación

Turning Power On and Off

1

Press to turn on the unit.

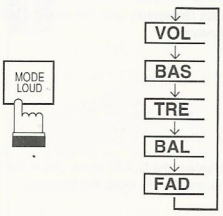
Note: The unit can be turned on by pressing any button except the eject ≜ and CLK buttons, or by inserting a cassette tape.

Press again to turn off the unit.

Note: The Operation indicator blinks when the operation is accepted. (TDM-7534 only)

Adjusting Volume/Treble/ Bass/Balance/Fader

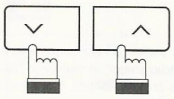
1



Press repeatedly to choose the desired mode.

Note: If the ⊻ or ⊼ button is not pressed in 5 seconds after selecting the BAS, TRE, BAL and FAD modes, the unit automatically returns to the VOL mode.

2



Press these buttons until the desired sound is obtained in each mode.

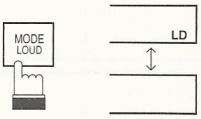
Notes:

- These buttons have a "Dual Speed" function. Pressing the buttons hard will change the level faster. (TDM-7534 only)
- The Bass and Treble setting for each source (FM, AM, TAPE and CD) are automatically memorized. These settings remain until you manually change them.

Turning Loudness On/Off

Loudness introduces a special low- and high-frequency emphasis at low listening levels to compensate for the ear's decreased sensitivity to bass and treble sound.

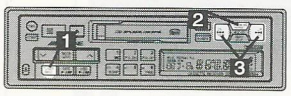
1



Press for at least **2** seconds to activate or deactivate the loudness mode.

Radio Operation

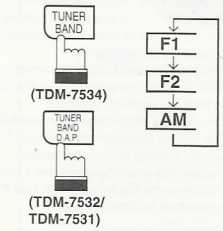
Manual Tuning



(TDM-7534)

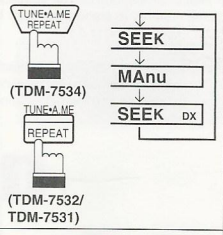
(TDM-7532/TDM-7531)

1



Press repeatedly until the desired radio band is displayed.

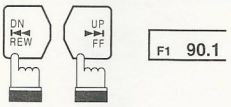
2



Press repeatedly until "MAnu" is displayed.

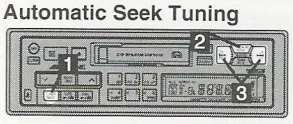
Note: Initial mode is SEEK DX.

3

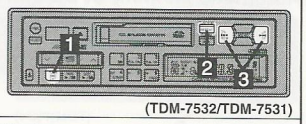


Press the DN or UP button to move downward or upward one step respectively until the desired station frequency is displayed.

Automatic Seek Tuning

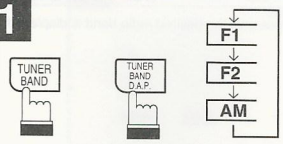


(TDM-7534)



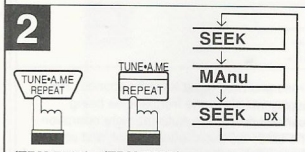
(TDM-7532/TDM-7531)

1



Press repeatedly until the desired radio band is displayed.

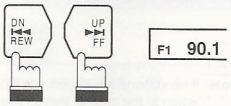
2



Press the button to illuminate the DX indicator in the display. With the DX mode activated, both strong and weak stations will be tuned in the Auto-Seek operation.

Press again to return to the local mode. The DX indicator will turn off and only strong radio stations will be tuned.

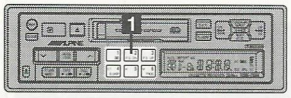
3



Press and release the DN or UP button to automatically seek a station downward or upward respectively.

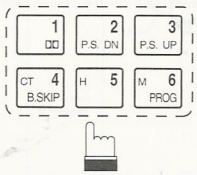
Note: The ST indicator appears on the display when a Stereo FM station is tuned in. If this signal becomes weak, the ST indicator will turn off. At this time, the unit automatically switches from the stereo to the monaural mode to reduce noise. As soon as the signal becomes strong enough, the unit switches back to the stereo mode.

Radio Operation



Manual Storing of Station Presets

1



(TDM-7534/TDM-7532)

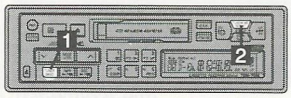
(TDM-7531)

1. Tune in the desired radio station you wish to store in the preset memory.
2. Press any one of the preset buttons (1 through 6) for at least **2** seconds until the frequency display blinks.
3. Press the preset button into which you wish to store the station while the display is blinking (within 5 seconds).
   The display stops blinking to indicate that the station has been memorized. The preset number is also displayed.
4. Repeat the procedure to store 5 other stations onto the same band. Use this procedure for other bands.

A total of 24 stations can be stored in the preset memory (6 stations for each band; FM1, FM2, AM and D.A.P.).

Note: If a preset memory has already been set in the same preset location, it will be cleared and the new station will be memorized.

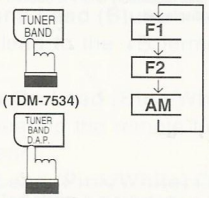
Automatic Memory of Station Presets



(TDM-7534)

(TDM-7532/TDM-7531)

1



(TDM-7534)

(TDM-7532/ TDM-7531)

Press until the desired radio band is displayed.

2

(TDM-7534)

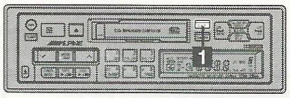
(TDM-7532/ TDM-7531)

Press and hold for at least **2** seconds. The display will show the frequencies being scanned during the Auto-memory operation. The tuner will automatically seek and store 6 strong stations in the selected band in order of signal strength.
When the automatic storing has been completed, the tuner goes to the station stored in the preset location No. 1.

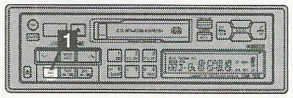
Note: If no stations are stored, the tuner will return to the original station you were listening to before the auto storing procedure began.

Radio Operation

Storing into Direct Access Preset (D.A.P.) Band



(TDM-7534)



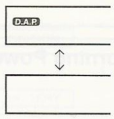
(TDM-7532/TDM-7531)

A combination of radio stations in any bands (up to 6 stations) can be manually preset onto the D.A.P. band.

1

(TDM-7534)

(TDM-7532/ TDM-7531)



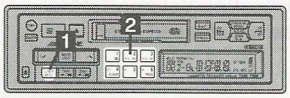
Press until the D.A.P. indicator appears.

Press the BAND button to select FM or AM. The selected band will be displayed.
To memorize stations onto the D.A.P. band, follow the steps for the automatic or Manual Storing of Station Presets section above.

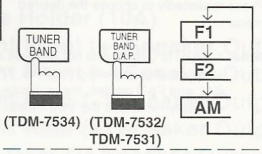
Note: When using the Automatic Memory function with D.A.P., all 6 presets will be filled with stations from the selected band (either all FM or all AM).

Press until the D.A.P. indicator disappears to cancel the D.A.P. mode.

Tuning to Preset Stations

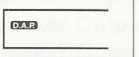


1



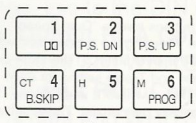
(TDM-7534) (TDM-7532/ TDM-7531)

Press repeatedly until the desired band is displayed.



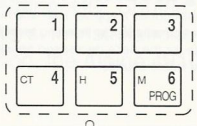
To select the D.A.P. band, press the button until the D.A.P. indicator appears.

2



(TDM-7534/ TDM-7532)

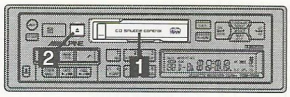
F1 2 90.1



(TDM-7531)

Press the station preset button that has your desired radio station in memory. The display shows the preset number, band and frequency of the station.

Cassette Player Operation



Inserting/Ejecting Cassette Tape

1

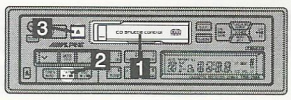
Insert a cassette tape into the slot with the open side facing right. When the cassette is loaded, the player automatically starts tape playback and indicates "TAPE" in the display.

2

Press when you want to eject the cassette tape.

Notes:

1. When power is turned off or the front panel is removed, the full-logic mechanism will automatically switch to the PAUSE mode. This protects the tape from being deformed by the pinch-rollers if left long periods.
2. Auto Metal
   When a metal cassette tape is inserted, the player automatically adjusts to the equalization for metal or any other high bias tape for optimum sound.

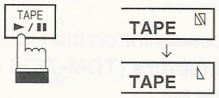


Normal Play and Pause

1

Insert a cassette (If a cassette is already in the player, simply press the TAPE ▶/II button. This will also switch modes from Tuner or CD Shuttle modes, to TAPE). The display shows "TAPE" and "◺" or "◹" during tape playback to show the tape side being played. When the end of the tape is reached, the unit automatically reverses the tape to play the other side of the tape.

2

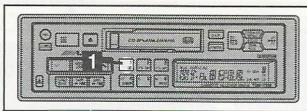


Press to pause tape play. Press again to resume playback.

3

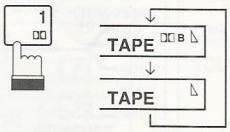
Press to stop the tape play and eject the cassette. The tape-direction indicator disappears.

Cassette Player Operation



Dolby B NR (Noise Reduction) (TDM-7534/TDM-7532)

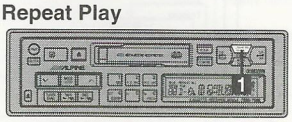
1



Press the Dolby NR (DD) button while in the tape mode. Dolby B NR is activated and the DD B indicator will appear in the display. When a Dolby encoded tape is played, tape-hiss will be reduced.

To deactivate the Dolby NR mode, press the button until the DD B indicator disappears.

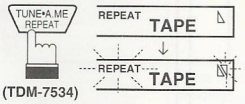
Repeat Play



(TDM-7534)

(TDM-7532/TDM-7531)

1

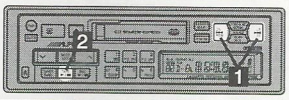


(TDM-7534)

(TDM-7532/
TDM-7531)

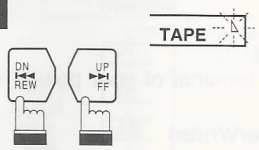
Press to play back repeatedly the current programme being played. The REPEAT indicator appears and the programme will be played repeatedly.

Press to stop the repeat play. The REPEAT indicator disappears.



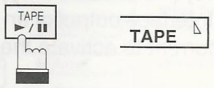
Fast Forward and Rewind

1

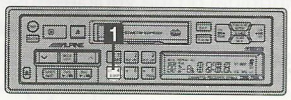


Press the REW or FF button during tape play to fast rewind or forward the tape respectively. The tape side indicator (◺ or ◹) blinks.
When the end of the tape is reached in the rewind mode, the player stops automatically and begins playing from the beginning of the same side. When the end of the tape is reached in the fast forward mode, the player stops automatically and begins playing from the beginning of the opposite side.

2

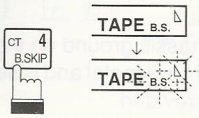


Press to stop fast rewinding or forwarding to resume tape play.
The tape side indicator changes to steady lighting.



Blank Skip (B.S.) (TDM-7534/TDM-7532)

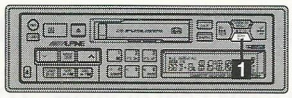
1



Press during tape play to skip over blank portions of the tape lasting 15 seconds or longer. "B.S." appears on the display.

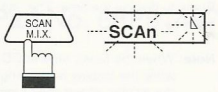
Press to cancel the blank skip mode. "B.S." disappears from the display.

Cassette Player Operation



Scanning Programmes (TDM-7534)

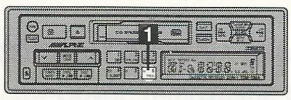
1



Press to play the first 10 seconds of each programme on the tape. SCAn appears on the display.

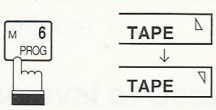
Press to cancel the scanning when the desired programme is found.

Note: The SCAN cannot detect blank sections of less than 4 seconds.

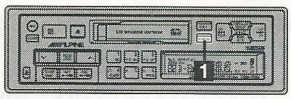


Manual Reverse

1

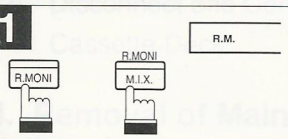


Press during tape play to change the tape direction to play the other side of the tape. The tape side indicators (◺ and ◹) change to show which side of the cassette is being played.



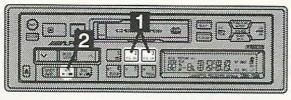
Monitoring Radio During Fast Forwarding or Rewinding

1



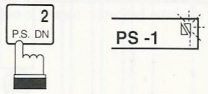
Press until "R.M." appears on the display. You can listen to a radio station during the tape rewinding or fast forwarding.
Press again to deactivate the Radio Monitor mode. "R.M." disappears from the display.

Note: The R. MONI button will only work in the TAPE mode.

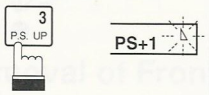


Programme Sensor (P.S.) (TDM-7534/TDM-7532)

1



Press the P.S. DN button once to return to the beginning of the current selection being played. If you wish to return to a selection further back, press repeatedly until the number of selections you would like to skip is shown in the display.
The display will show PS -1 with the first press and will increase by one with each successive press up to PS -9. The tape indicator will blink showing the direction of your search.



Press the P.S. UP button once to advance to the beginning of the next selection. If you wish to advance to a selection further ahead, press repeatedly until the number of selections you would like to skip is shown in the display.
The display will show PS +1 with the first press and will increase with each successive press up to PS +9. The tape indicator will blink showing the direction of your search.

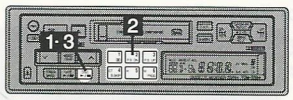
The tape direction indicator blinks during searching operation.

2

To stop the programme searching, press the TAPE ►/II button.

Notes:
- The programme sensor feature is functional in the tape play mode only.
- You can advance to the 9th (max.) programme or return to the 8th (max.) programme.

CD Shuttle Operation

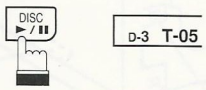


Controlling CD Shuttle (Optional)

If an optional Alpine 6-Disc CD Shuttle is connected to the DIN connector of this unit, the CD Shuttle can be controlled from the unit's front panel.

Note: When operating the CD Shuttle for the first time after connecting, reduce the volume and press the DISC ►/II button for at least **3** seconds to reset the CD Shuttle.

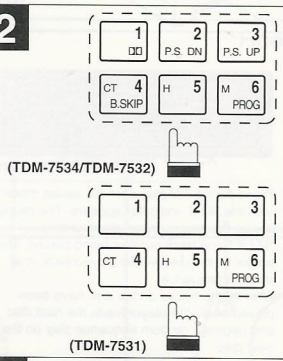
1



The display example shows that the current selection being played is Track 5 on Disc 3.

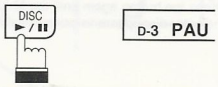
Press to activate the connected CD Shuttle. The display shows the disc number and track number.

2

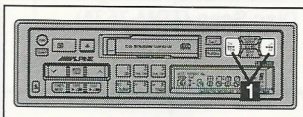


Press the buttons to select the desired disc loaded in the CD Shuttle.

3

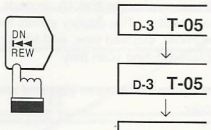


Press to pause CD play. The display shows "PAU".
To resume CD play, press again.
The PAU indicator disappears.



Music Sensor (M.S.) Skip

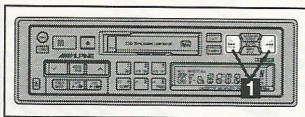
1



Momentarily press the DN ⏮ button once to return to the beginning of the current track. If you wish to return to the beginning of a track further back, repeatedly press until you reach the desired track. (The display example indicates Disc 3, Track 5 is currently playing and what happens after two presses of the M.S. DN button or one press of the M.S. UP button.)

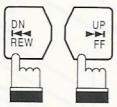
Press the UP ⏭ button once to advance to the beginning of the next track. If you wish to advance to a track further ahead, press repeatedly until the desired track is reached.

Note: The music sensor feature is functional in the play or pause mode.



Fast Forward and Backward

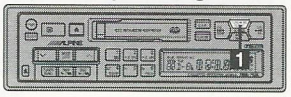
1

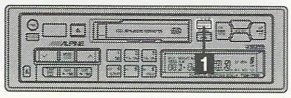


Press and hold the ⏮ DN or UP ⏭ button to quickly move backward or forward respectively until you reach the desired portion.

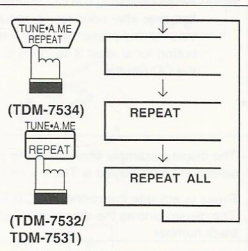
CD Shuttle Operation

Repeat Play on Single Track or Entire Disc


(TDM-7534)


(TDM-7532/TDM-7531)

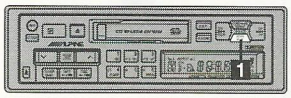
1



Press to display "REPEAT" or "REPEAT ALL" to play back repeatedly the current track being played or the entire disc selected.

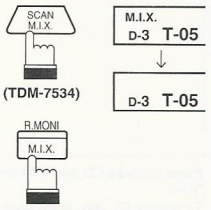
Note: Single track cannot be repeated during M.I.X. play.

M.I.X. (Random) Play


(TDM-7534)


(TDM-7532/TDM-7531)

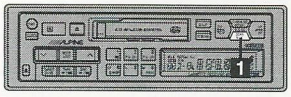
1



Press during CD play or in the pause mode until the M.I.X. indicator appears. The display shows the disc number, elapsed time, "M.I.X." and track number being played. The tracks on the disc will be played back in a random sequence.
After all the tracks on the disc have been played back, the player loads the next disc and begins a random sequence play on the next disc.

Press the button again until the M.I.X. indicator disappears to cancel the M.I.X. play.

Disc Scan (TDM-7534)



1

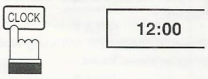
Press to play the first 10 seconds of each track on the disc. The display shows the disc number, elapsed time, and track number being played during scan play.

Press to cancel scan play and resume normal play.

Clock Operation

Displaying Time

1



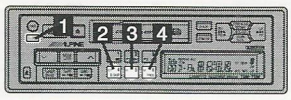
Press to display the time. The unit displays the time.

Note: When the tuner, tape or CD is operated while the display is showing the time, the display shows their functions for 5 seconds and returns to show the time. The display shows the time even if the power to the unit is turned off as long as the ignition key is on.

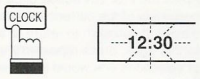
2

Press to turn off the time and to show other functions.

Setting Time

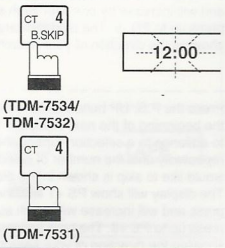


1



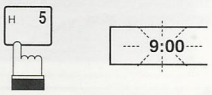
Press and hold for at least **3** seconds, until the time indication begins to blink.

2



Press while the time indication is blinking to set seconds to "0".

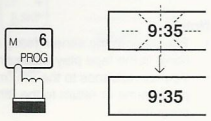
3



Example: To adjust to 9:35

Press the "H" button to adjust the hours while the time indication is blinking.

4



Press the "M" button to adjust the minutes while the time indication is blinking. The time is automatically set. The time indication will stop blinking, 5 seconds after adjusting the minutes.

Disassembly Instructions

1. Removal of Nose Unit

(1) Refer to the Owner's Manual (Part No. 68P61487W22).

2. Removal of Front Escutcheon

(1) After removal of Assy., Face Plate and Top Cover, remove the Hooks (a) as shown in Figure 1

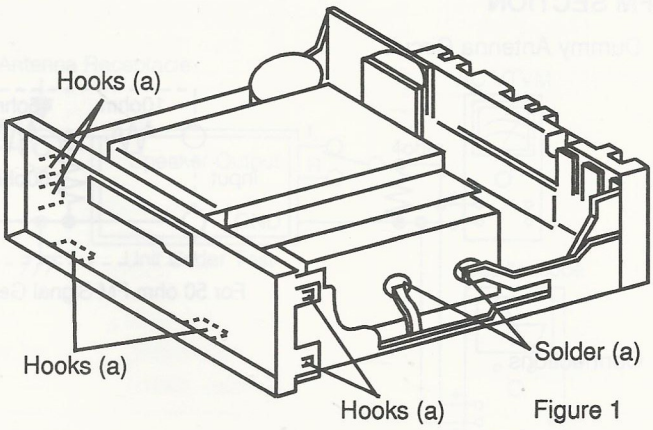


Figure 1

3. Removal of Cassette Deck

(1) Remove three screws marked "○" as shown in Figure 2.

(2) Disconnect one Connector from the Cassette Deck.

4. Removal of Main P.C.Board

(1) Remove six screws marked "●" as shown in Figure 3.

(2) Remove the solder (a) and Hooks (b) as shown in Figure 1, 2.

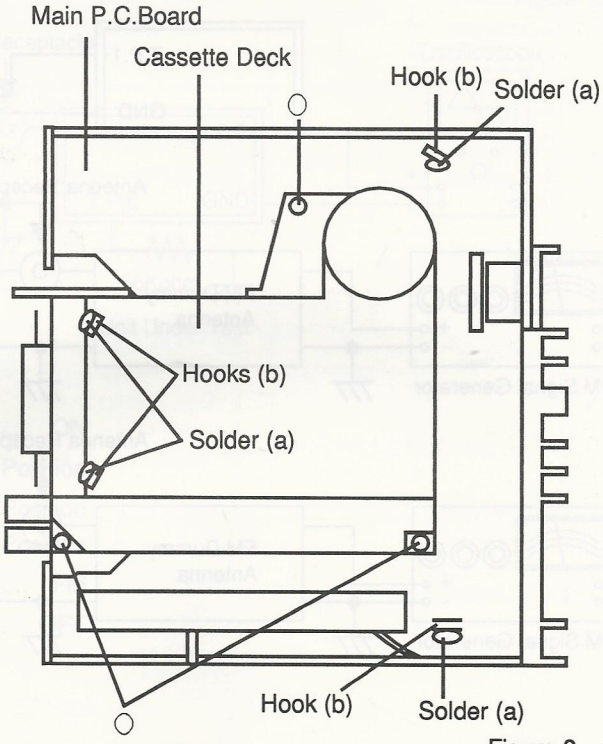


Figure 2

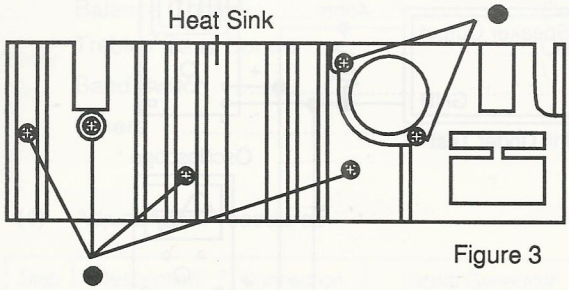


Figure 3

5. Removal of Front P.C.Board

(1) After removal of Nose Unit, remove two screws marked "△" and the Hooks (c) as shown in Figure 4.

(2) Remove the Hooks (d) as shown in Figure 4.

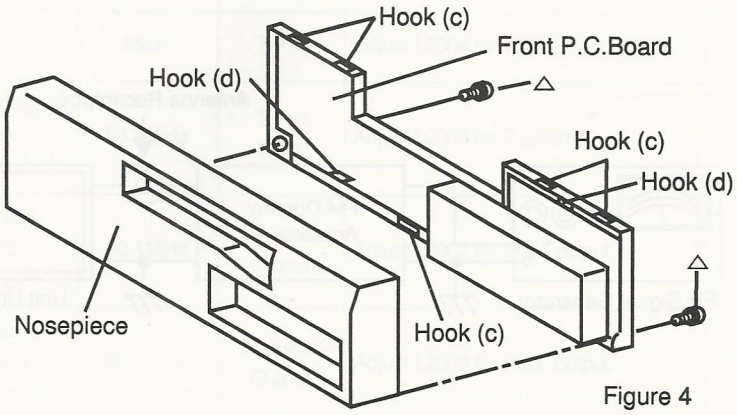
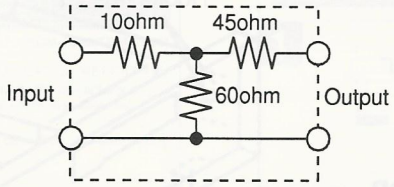


Figure 4

Adjustment Procedures

1. FM SECTION

(1) Dummy Antenna Circuit



For 50 ohm FM Signal Generator

Figure 5

(2) Connections

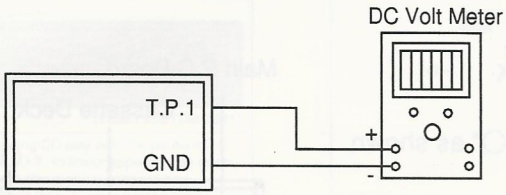


Figure 6

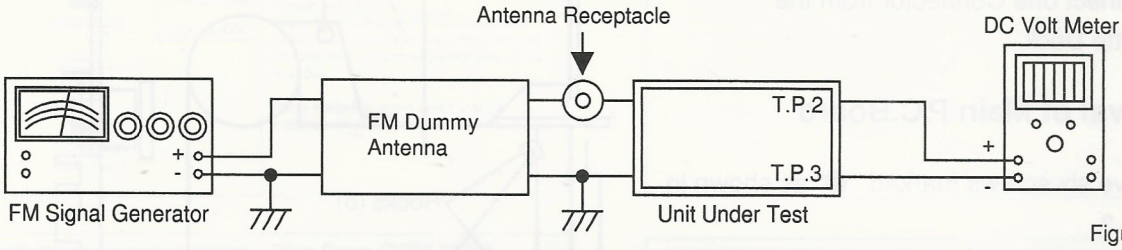


Figure 7

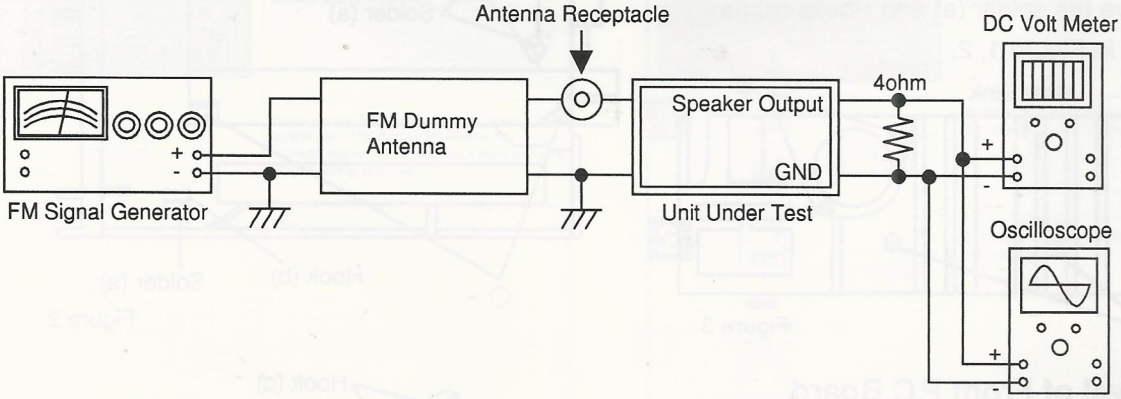


Figure 8

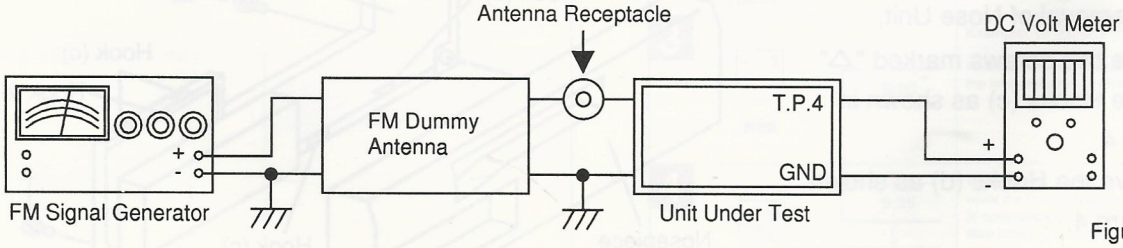


Figure 9

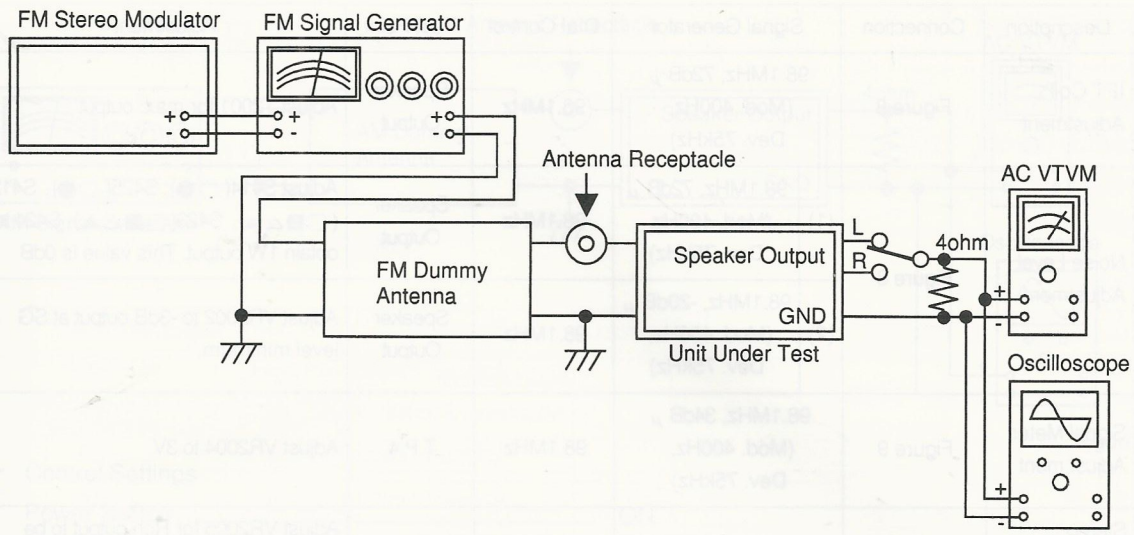


Figure 10

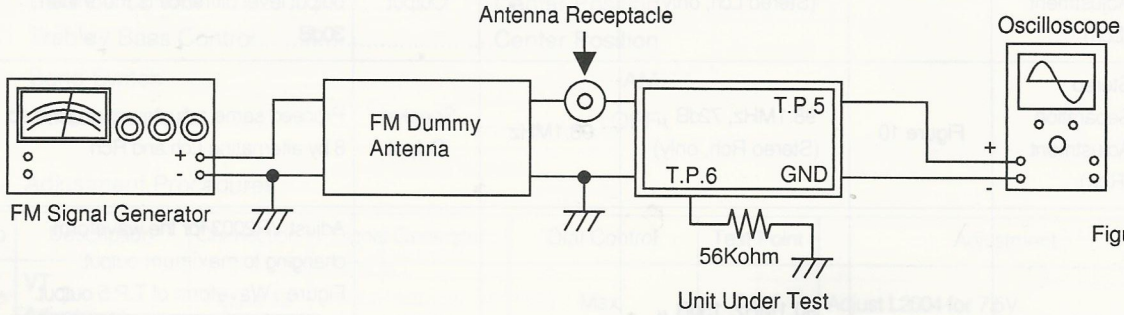


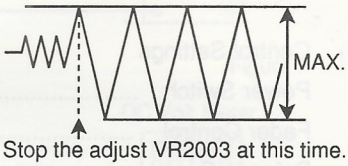
Figure 11

(3) Control Settings

Power Switch ..... ON
Fader Control ..... Center Position
Balance Control ..... Center Position
Treble / Bass Control.....Center Position
Band Switch ..... FM
Others ..... OFF

(4) Adjustment Procedures

Step	Description	Connection	Signal Generator	Dial Control	Test Point	Adjustment
1	VT Adjustment	Figure 6	—	Max.	T.P.1	Adjust L2004 for 7.5V.
2	0V Adjustment	Figure 7	98.1MHz, 72dB μ (Mod. 400Hz, Dev. 75kHz)	98.1MHz	T.P.2 T.P.3	Adjust L2005 for 0 ±20mV.
3	Ant. Coil Adjustment	Figure 8	90.1MHz, 72dB μ (Mod. 400Hz, Dev. 75kHz)	90.1MHz	Speaker Output	Adjust L2002 for max. output.
4	RF Coil Adjustment	Figure 8	90.1MHz, 72dB μ (Mod. 400Hz, Dev. 75kHz)	90.1MHz	Speaker Output	Adjust L2003 for max. output.

Step	Description	Connection	Signal Generator	Dial Control	Test Point	Adjustment
5	IFT Coil Adjustment	Figure 8	98.1MHz, 72dB μ (Mod. 400Hz, Dev. 75kHz)	98.1MHz	Speaker Output	Adjust T2001 for max. output.
6	Noise Level Adjustment	Figure 8	(1) 98.1MHz, 72dB μ (Mod. 400Hz, Dev. 75kHz)	98.1MHz	Speaker Output	Adjust S414(○●), S425(○●), S412(□■△▲), S423(□■△▲), S424 to obtain 1W output. This value is 0dB
			(2) 98.1MHz, -20dB μ (Mod. 400Hz, Dev. 75kHz)	98.1MHz	Speaker Output	Adjust VR2002 to -3dB output at SG level minimum.
7	Signal Meter Adjust ment	Figure 9	98.1MHz, 34dB μ (Mod. 400Hz, Dev. 75kHz)	98.1MHz	T.P.4	Adjust VR2004 to 3V.
8	Stereo Separation Adjustment (Lch)	Figure 10	98.1MHz, 72dB μ (Stereo Lch, only)	98.1MHz	Speaker Output	Adjust VR2005 for Rch output to be minimum, and confirm Lch and Rch output level diffrence is more than 30dB
9	Stereo Separation Adjustment (Rch)	Figure 10	98.1MHz, 72dB μ (Stereo Rch, only)	98.1MHz	Speaker Output	Proceed same adjustment under step 8 by alternating Lch and Rch.
10	Seek Stop Adjustment	Figure 11	90.1MHz, 15dB μ (Mod. 400Hz, Dev. 75kHz)	90.1MHz	T.P.5 T.P.6	Adjust VR2003 for the waveform changing to maximum output. Figure : Waveform of T.P.5 output.  Stop the adjust VR2003 at this time.

3 AM SECTION

(1) Dammy Antenna Circuit

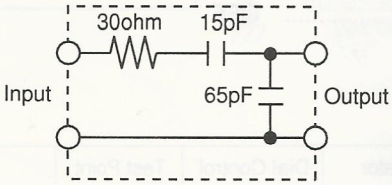


Figure 12

(2) Connections

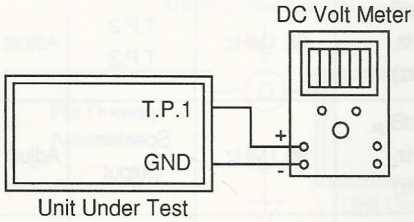


Figure 13

Note : ○ : For TDM-7534 Model Only, ● : For TDM-7534E Model Only, □ : For TDM-7532 Model Only, ■ : For TDM-7532E Model Only, △ : For TDM-7531 Model Only, ▲ : For TDM-7531E Model Only, Others : Common.

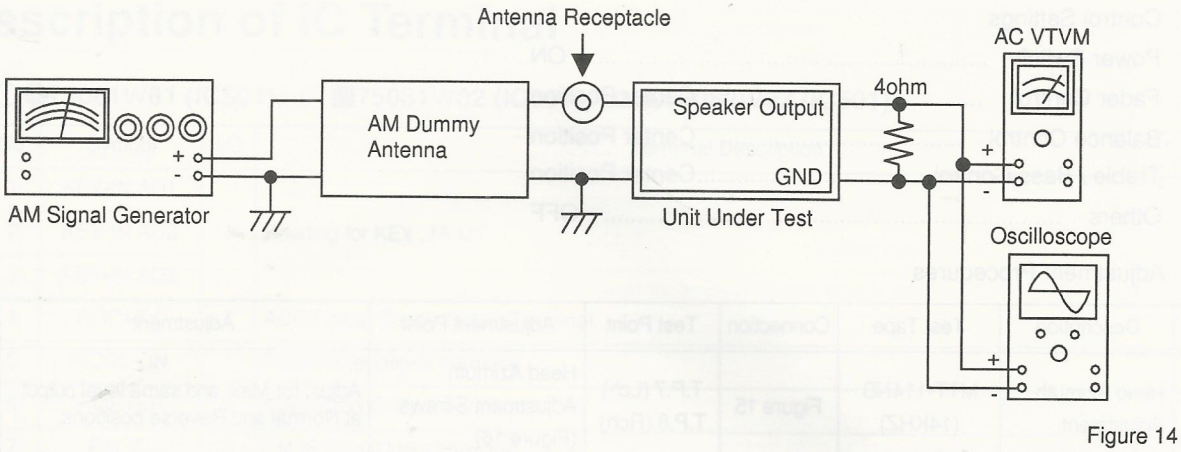


Figure 14

(3) Control Settings

Power Switch ..... ON
Fader Control ..... Center Position
Balance Control ..... Center Position
Treble / Bass Control.....Center Position
Band Switch ..... AM
Others ..... OFF

(4) Adjustment Procedures

Step	Description	Connection	Signal Generator	Dial Control	Test Point	Adjustment
1	VT Adjustment	Figure 13	—	Max.	T.P.1	Adjust L2004 for 7.5V.
2	RF Coil Adjustment	Figure 14	1,000kHz(○□△) 999kHz(●■▲) 74dB μ (Mod. 400Hz, 30%)	1,000kHz(○□△) 999kHz(●■▲)	Speaker Output	Adjust L2103, L2104 for max. output.
3	IFT Coil Adjustment	Figure 14	1,000kHz(○□△) 999kHz(●■▲) 74dB μ (Mod. 400Hz, 30%)	1,000kHz(○□△) 999kHz(●■▲)	Speaker Output	Adjust T2001, L2105 for max. output.

3 TAPE PLAYER SECTION

(1) Connecion

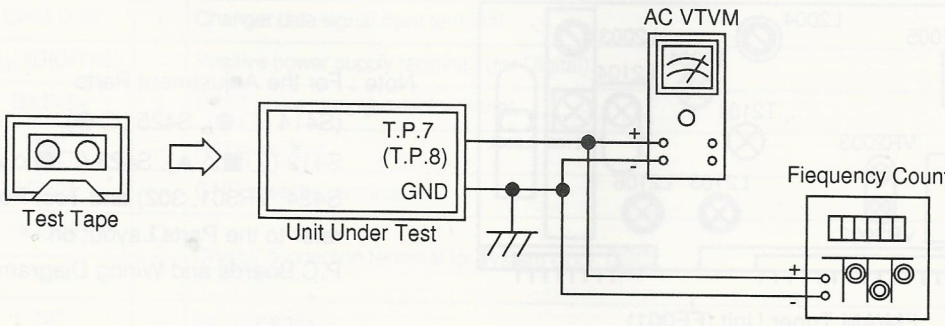


Figure 15

Note : ○ : For TDM-7534 Model Only, ● : For TDM-7534E Model Only, □ : For TDM-7532 Model Only,
■ : For TDM-7532E Model Only, △ : For TDM-7531 Model Only, ▲ : For TDM-7531E Model Only,
Others : Common.

(2) Control Settings

Power Switch ..... ON
Fader Control ..... Center Position
Balance Control ..... Center Position
Treble / Bass Control.....Center Position
Others ..... OFF

(3) Adjustment Procedures

Step	Description	Test Tape	Connection	Test Point	Adjustment Point	Adjustment
1	Head Azimuth Adjustment	MTT-114NB (14KHZ)	Figure 15	T.P.7 (Lch) T.P.8 (Rch)	Head Azimuth Adjustment Screws (Figure 16)	Adjust for Max. and same level output at Normal and Reverse positions.
2	○●□■ Dolby Level Adjustment	MTT-150 (400Hz)	Figure 15	T.P.7 (Lch) T.P.8 (Rch)	VR301 (Lch) VR302 (Rch)	Adjust for 245mV at VR301 (Lch) and VR302 (Rch).
3	Tape speed Adjustment	MTT-111N (3kHz)	Figure 15	T.P.7 (Lch) or T.P.8 (Rch)	Tape Speed Adjustment (Figure 17)	Adjust for 2,970 to 3,090Hz at T.P.5 (T.P.6).

Adjustment Locations

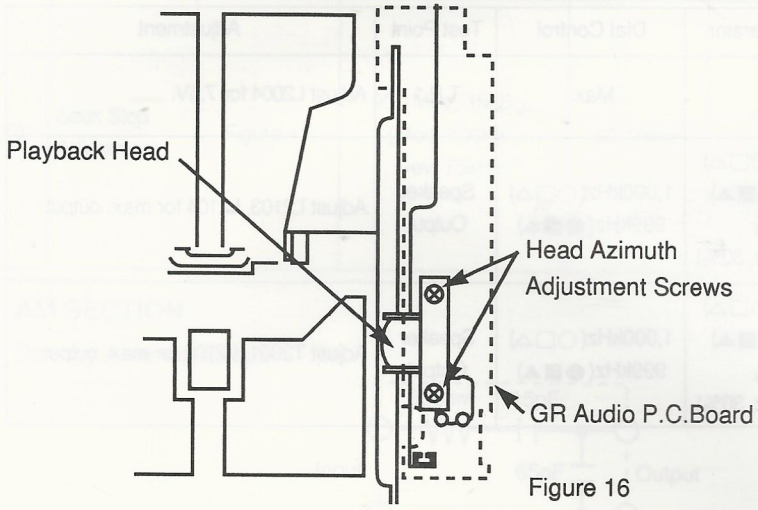


Figure 16

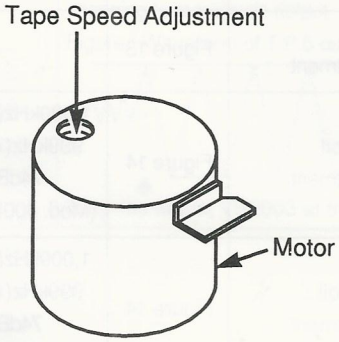
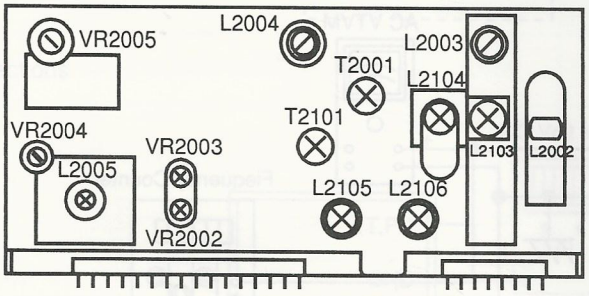


Figure 17



FM/AM Tuner Unit (FE001)

Note : For the Adjustment Parts (S414 (○●), S425 (○●), S412 (□■△▲), S423 (□■△▲), S424, VR301, 302) and Test Points, refer to the Parts Layout on P.C.Boards and Wiring Diagram.

Note : ○ : For TDM-7534 Model Only, ● : For TDM-7534E Model Only, □ : For TDM-7532 Model Only,
■ : For TDM-7532E Model Only, △ : For TDM-7531 Model Only, ▲ : For TDM-7531E Model Only,
Others : Common.

Description of IC Terminal

○●75081W01 (IC501), □■75081W02 (IC501), △▲53082W02 (IC501)

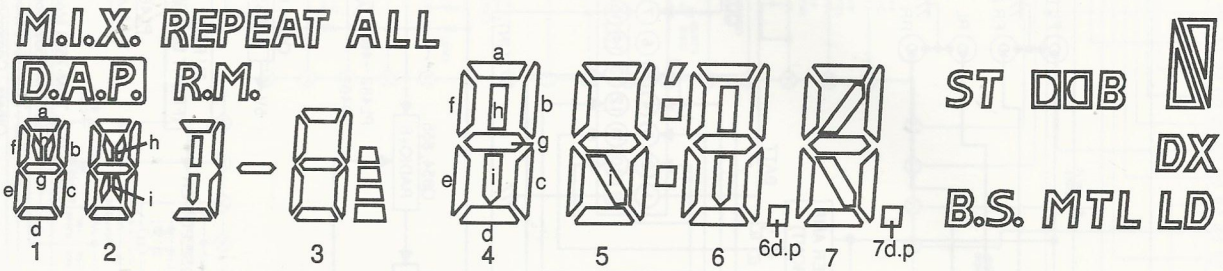
No.	Symbol	I/O	Terminal Description
1	KEY-IN AD1	I	Reading for KEY . (A/D)
2	KEY-IN AD2		
3	KEY-IN AD3		
4	ACC+5V	I	ACC Power Supply Detect Terminal.
5	NOSE ON	I	Front Panel Detect Terminal.
6	S.METER	I	Field Strength Input Terminal.
7	FM IF	I	FM IF Signal Input Terminal.
8	AM IF	I	AM IF Signal Input Terminal.
9	$\overline{ST}$/SD	I	ST Signal (during Receive)/SD Signal (during SEEK) Input Terminal.
10	METAL	I	Metal or Normal Tape Detect Terminal.
11	REMOCON	I	Remocon data input terminal.
12	NC	—	No connection.
13			
14	V_{DD} (PLL)	—	Positive power supply terminal.
15	AM OSC	I	AM OSC input terminal.
16	FM OSC	I	FM OSC input terminal.
17	GND PLL	—	GND potential terminal. (for PLL)
18	NC	—	No connection.
19			
20	EO	O	EO output terminal.
21	L/$\overline{D}$	O	SEEK sensitivity switch control output terminal.
22	REQ	O	IF/SD output control terminal.
23	NC	—	No connection.
24	FM/$\overline{AM}$	O	FM/AM power supply switch output terminal.
25	NC	—	No connection.
~			
28			
29	CHG.D.IN	I	Changer data signal input terminal.
30	V_{DD} (DIGITAL)	—	Positive power supply terminal. (for Digital)
31	BAT+5V	I	BATT power supply detect terminal.
32	NC	—	No connection.
33	GND	—	GND potential terminal.
34	X OUT	O	Crystal connection terminal for system clock OSC.
35	X IN	I	
36	NC	—	No connection.

Note : ○ : For TDM-7534 Model Only, ● : For TDM-7534E Model Only, □ : For TDM-7532 Model Only,
■ : For TDM-7532E Model Only, △ : For TDM-7531 Model Only, ▲ : For TDM-7531E Model Only,
Others : Common.

No.	Symbol	I/O	Terminal Description
37	$\overline{\text{LCD INH}}$	O	INH signal output terminal to LC7582W.
38	LCD CE	O	Serial data sync. signal output terminal to LC7582W.
39	LCD DATA	O	Serial data signal output terminal to LC7582W.
40	LCD CLK	O	Serial communication sync. signal output terminal to LC7582W.
41	NC	—	No connection.
42	NOSE PWR	O	Power supply control terminal for Nose.
43	LCD+B	O	Power supply control terminal for LCD.
44	NC	—	No connection.
45	GND	—	GND potential terminal.
46	AM ST-IND	I	AM stereo indicatior signal input terminal.
47	GND	—	GND potential terminal.
48			
49	PWR ON	O	Power supply switch signal output terminal for Set.
50	$\overline{\text{TUNER ON}}$	O	Power supply switch signal output terminal for Tuner.
51	MUTE	O	Audio mute signal output terminal.
52	PWR-IC ON	O	Stand-by signal output terminal to TA8215H.
53	AREA1	I	Area set up terminal.
54	AREA2		
55	MODEL 1	I	Model set up terminal.
56	MODEL 2		
57	NC	—	No connection.
58			
59	IN PAU	I	Pause signal detect terminal.
60	PULL DOWN	—	INT signal detect terminal.
61	GND	—	GND potential terminal.
62	REM IND	O	Key input indicator output terminal.
63	CHG.D.OUT	O	Changer data signal output terminal.
64	V_{DD}	—	Positive power supply terminal.
65	NC	—	No connection.
66			
67	EV CLK	O	Clock signal output teminal for TEA6320T.
68	EV DATA	O	Serial data signal output teminal for TEA6320T.
69	PLAY SOL	O	Play solenoid control signal output terminal in deck mechanism.
70	RF SOL	O	RF Solenoid control signal output terminal in deck mechanism.
71	EJECT SOL	O	Eject solenoid control signal output terminal in deck mechanism.
72	M.CONT	O	Determins rotation direction of motor in deck mechanism.
73	PACK DN	I	Switch to detect cassette holder is moved down completely.
74	RUN DET	I	Signal showing take-up reel is rotating or not.
75	PACK IN	I	Switch to detect cassette is installed into cassette holder or not.
76	MS DET	I	Music ON/OFF switching signal input terminal.
77	O.MOTOR	O	Determins start and stop of motor in deck mechanism.

No.	Symbol	I/O	Terminal Description
78	F/$\overline{R}$	O	FOR/REV control terminal.
79	O.FAST	O	Gain control signal output terminal to M.S IC.
80	$\overline{DOLBY}$	O	Dolby NR ON/OFF signal output terminal.

LCD Display



PAD No.	1	2	3	4	5	6	7	8	9
COM.1	COM.1			LD			MTL	ST	B.S.
COM.2		COM.2		DX		B			

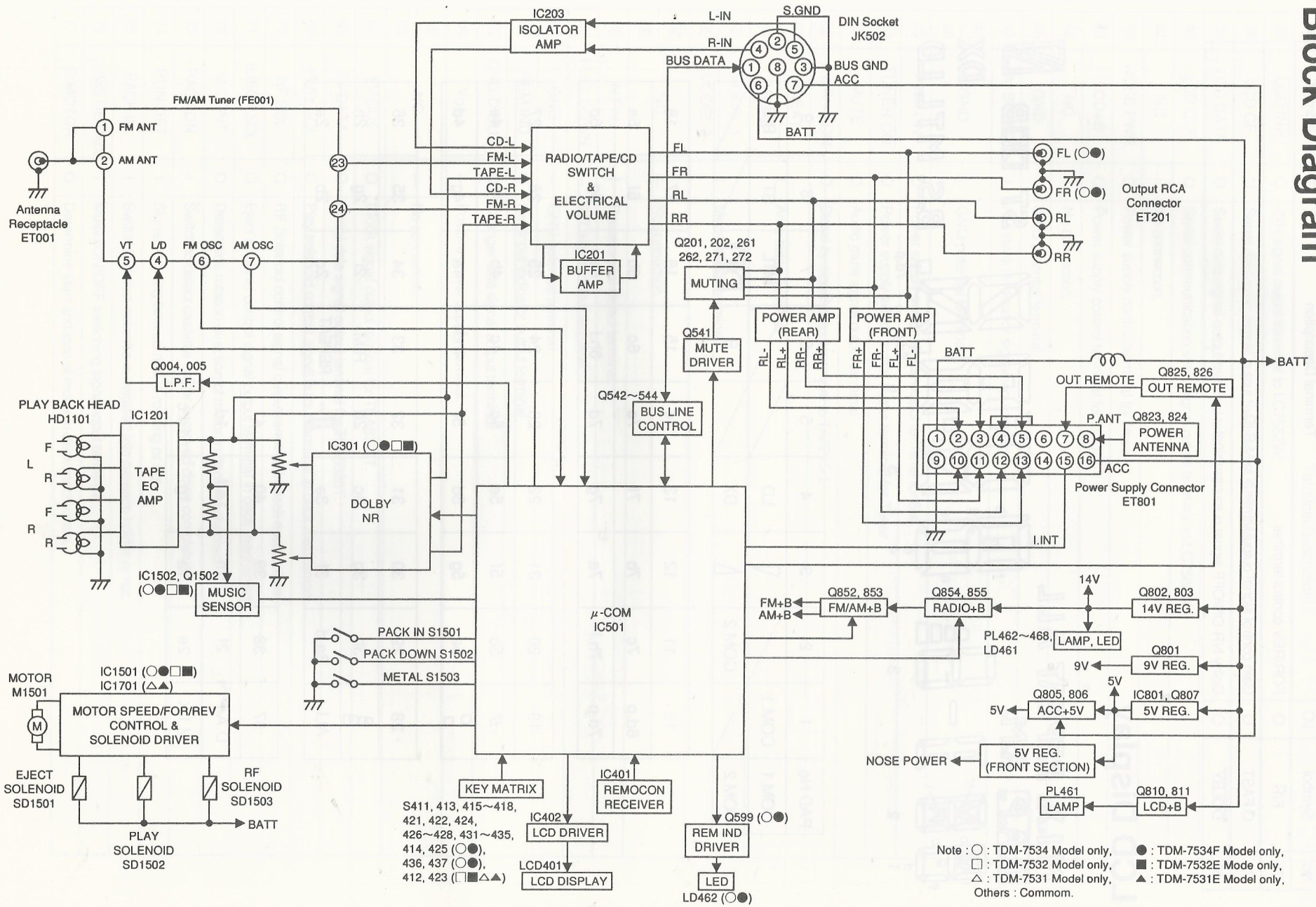
10	11	12	13	14	15	16	17	18
6d.p	7c	7b	7f	7e	6c	6b	6f	6e
7d.p	7h.i	7a	7g	7d	6h.i	6a	6g	6d

19	20	21	22	23	24	25	26	27
	5b	5f	5e	5c	4c	4b	4f	4e
	5a	5g	5d	5i	4h.i	4a	4g	4d

28	29	30	31	32	33	34	35	36
	3b	3g	3c	2d	R.M.	2i	2g	2h
ALL	3a.d	3f	3e		REPEAT	2c	2b	2a

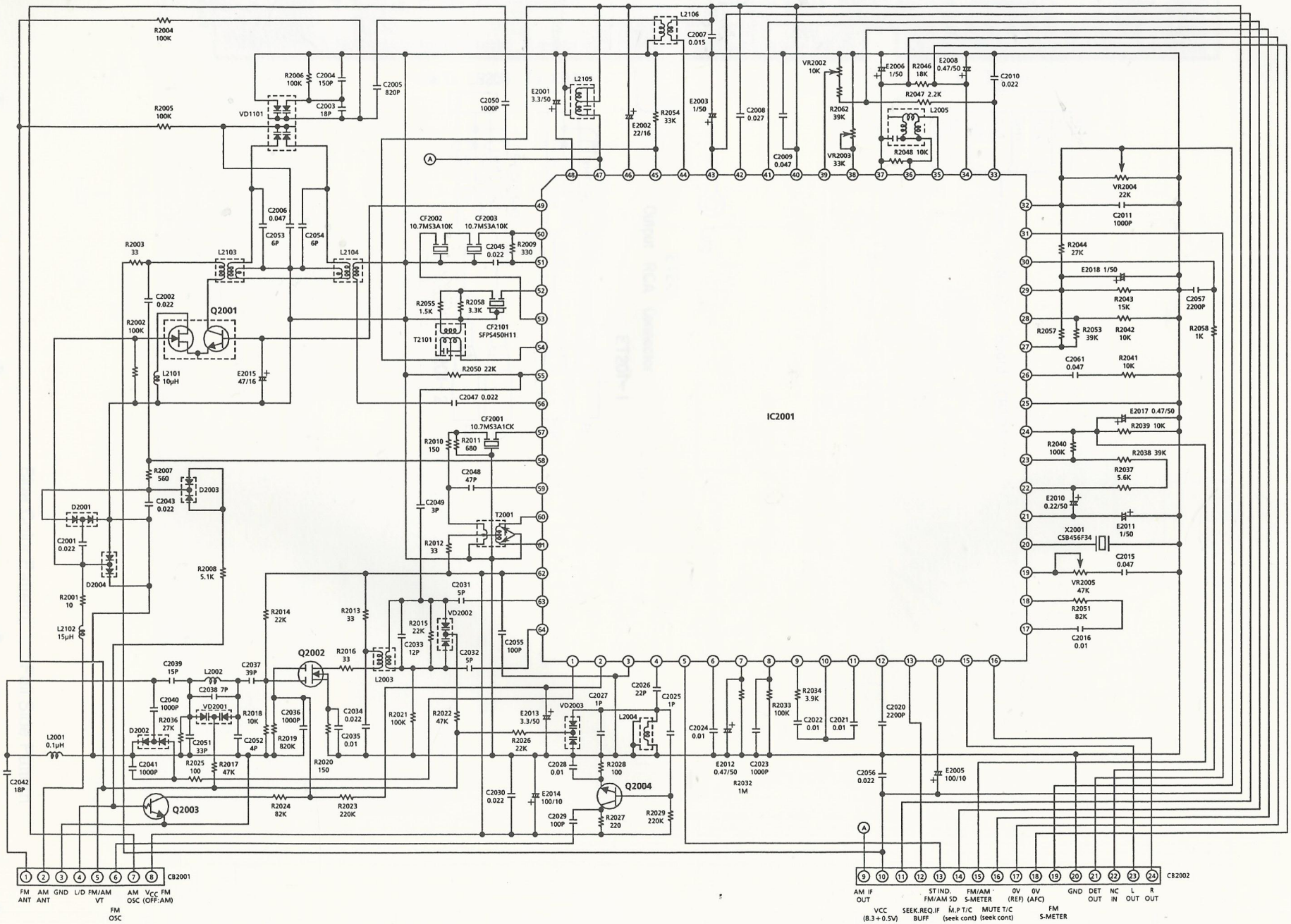
37	38	39	40	41
D.A.P	2f	1h	1e.f	1d
M.I.X	2e	1a	1g	1d.c

Block Diagram

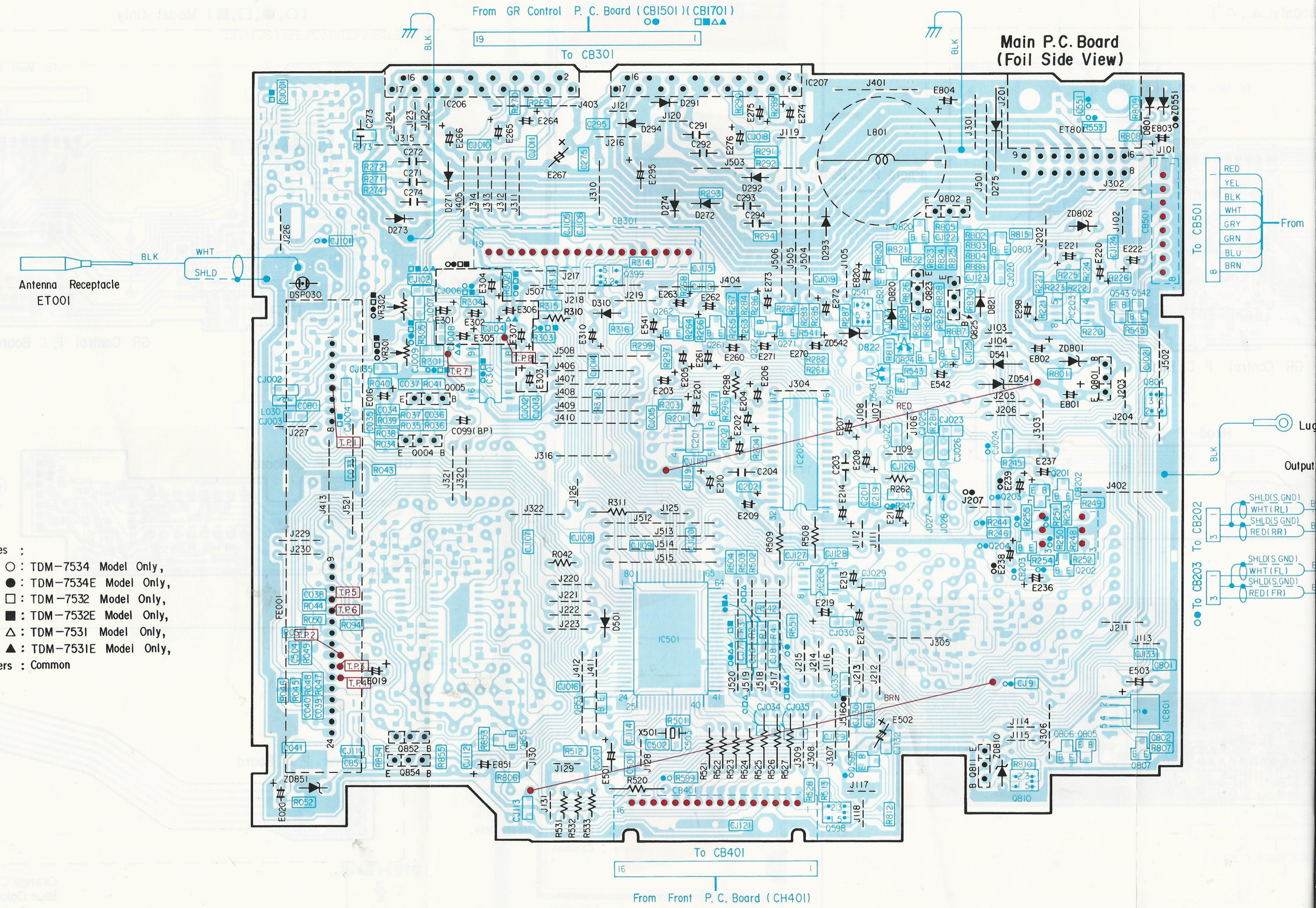


Note : ○ : TDM-7534 Model only, ● : TDM-7534F Model only,
□ : TDM-7532 Model only, ■ : TDM-7532E Mode only,
△ : TDM-7531 Model only, ▲ : TDM-7531E Model only,
Others : Commom.

Tuner Schematic Diagram



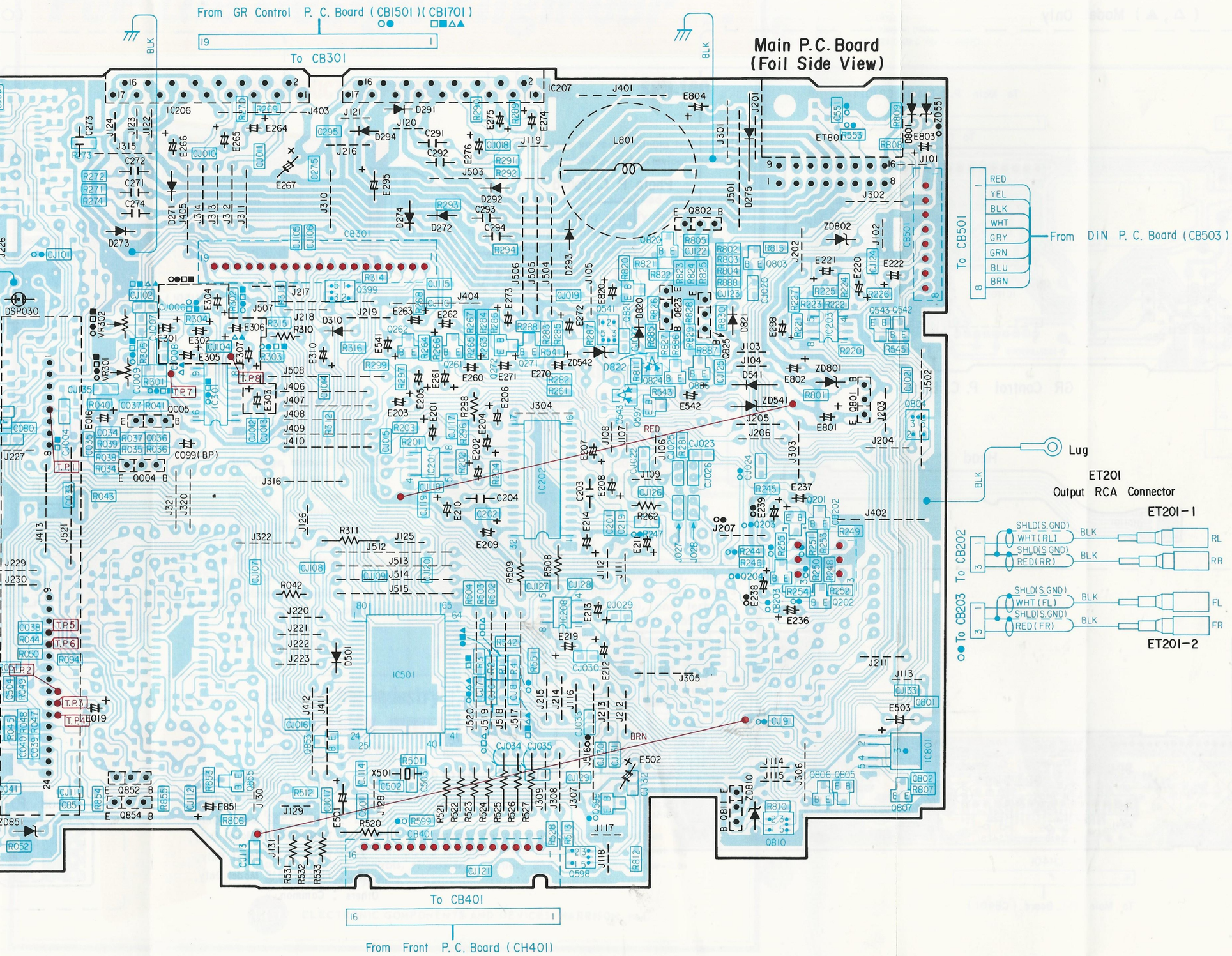
Parts Layout on P.C. Boards and Wiring Diagram (1/2)



Notes :

○ : TDM-7534 Model Only,
● : TDM-7534E Model Only,
□ : TDM-7532 Model Only,
■ : TDM-7532E Model Only,
△ : TDM-7531 Model Only,
▲ : TDM-7531E Model Only,
Others : Common

Diagram (1/2)



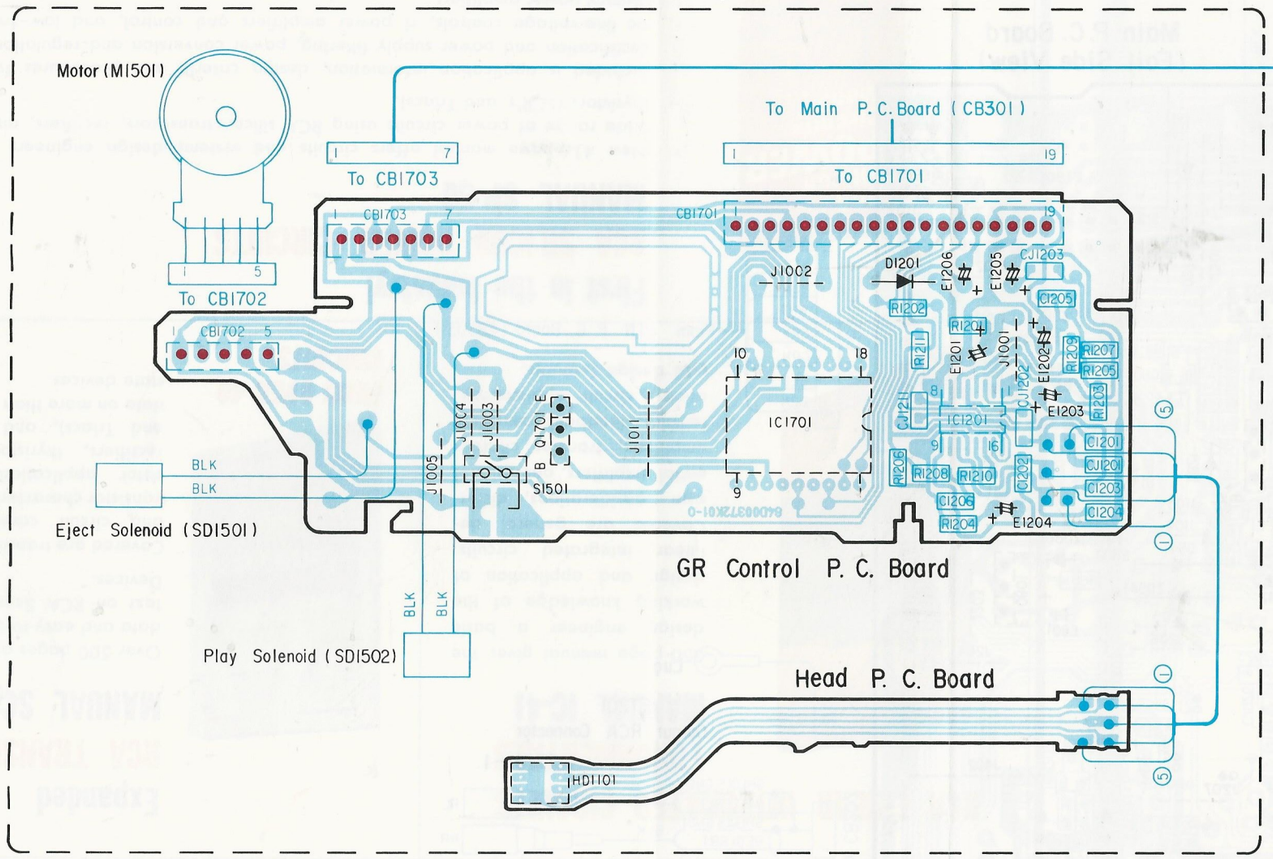
Blue Color Pattern : Foil Side Pattern

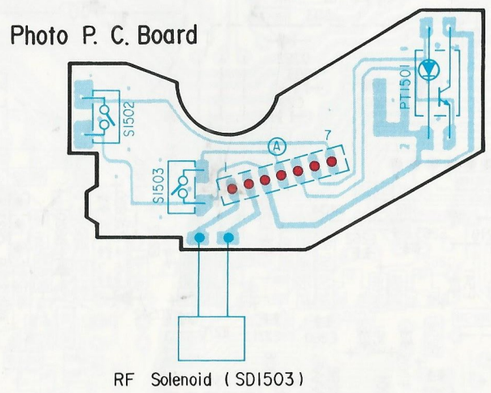
TDM-7534/E
TDM-7532/E
TDM-7531/E
TDM-7534/E
TDM-7532/E
TDM-7531/E

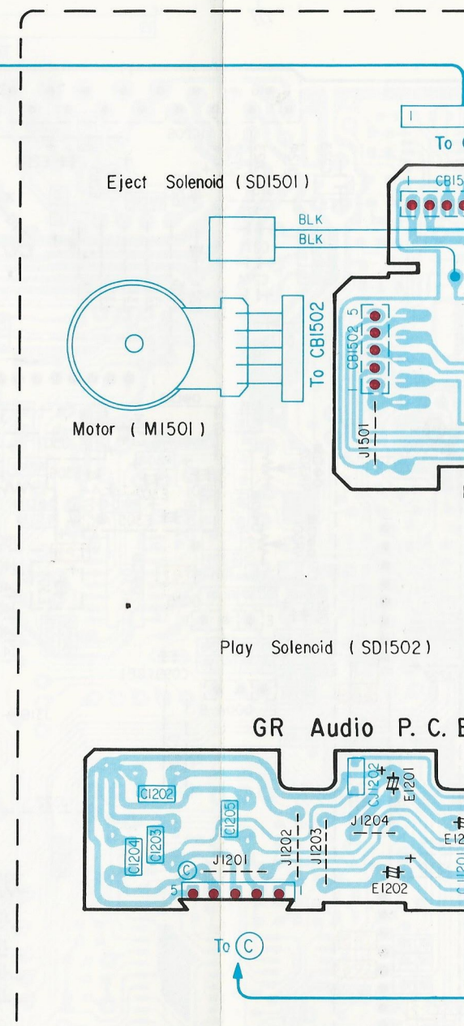
Parts Layout on P.C. Boards and Wiring Diagram (2/2)

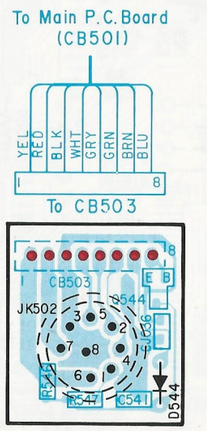
All P.C. Boards viewed from soldered side.

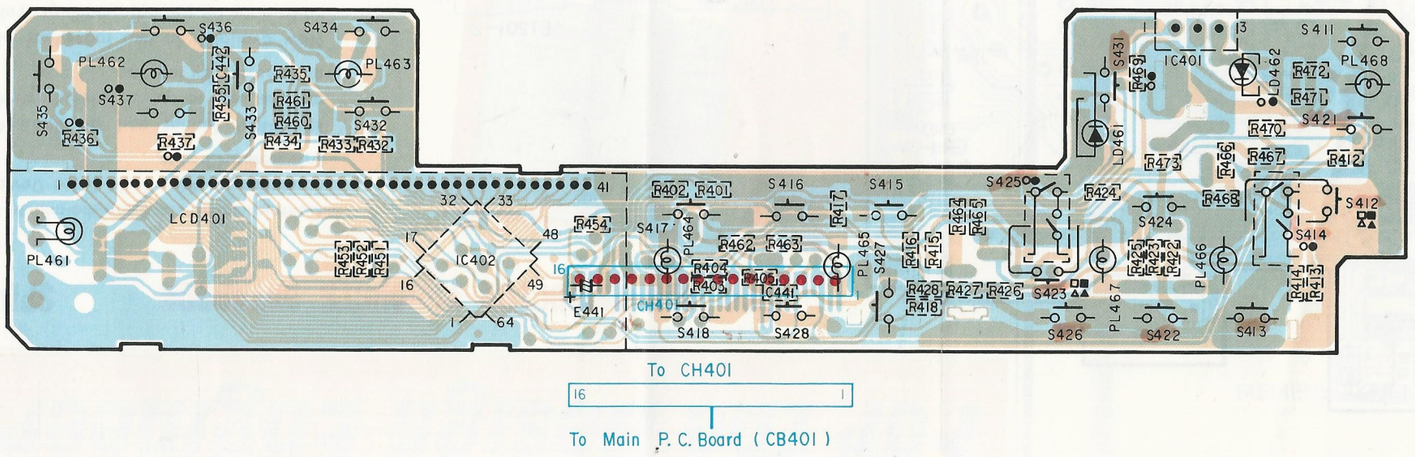
(△, ▲) Model Only

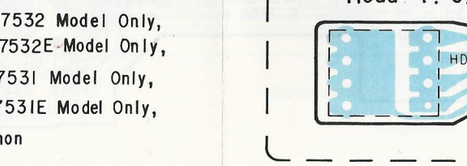








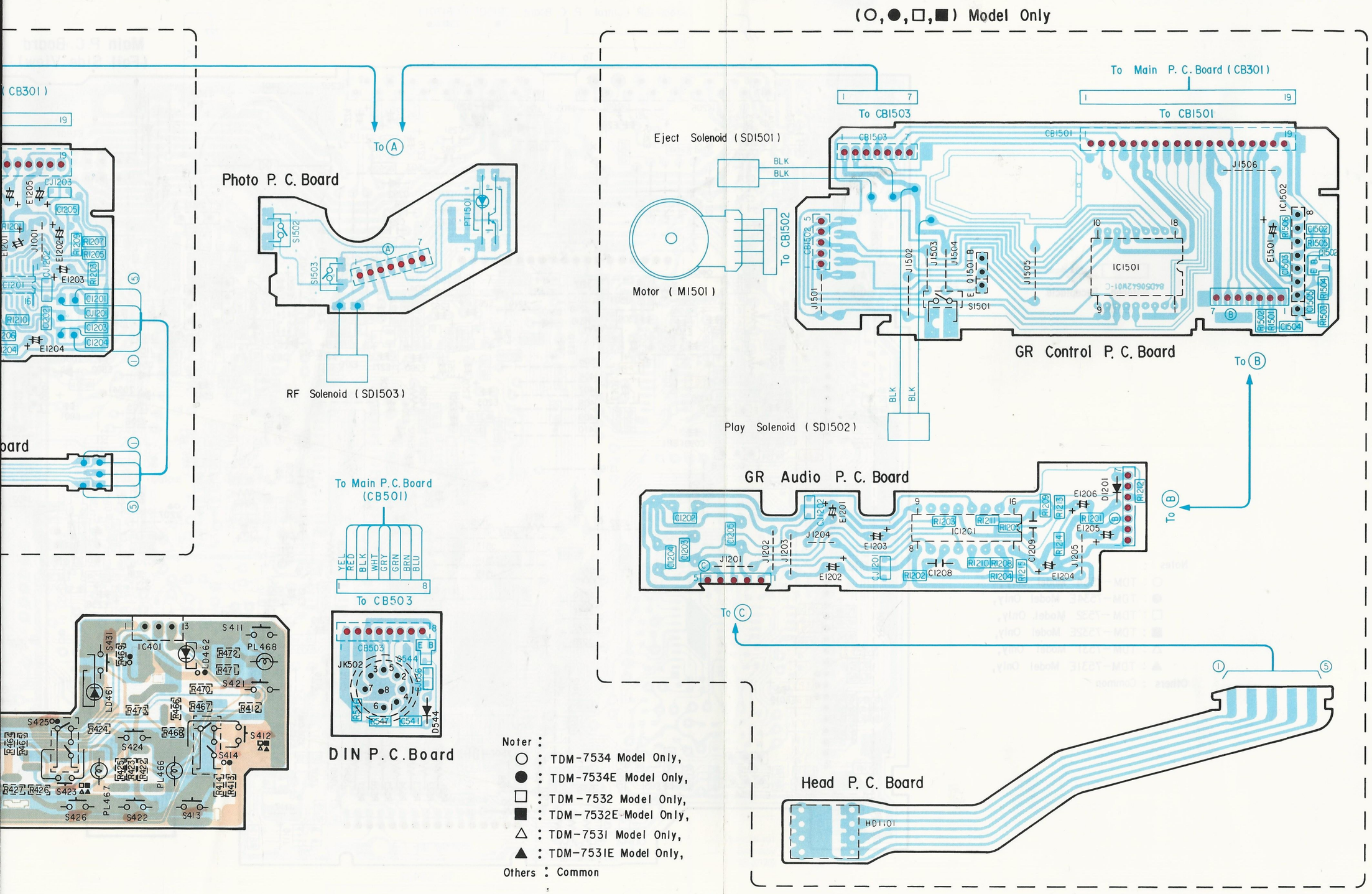




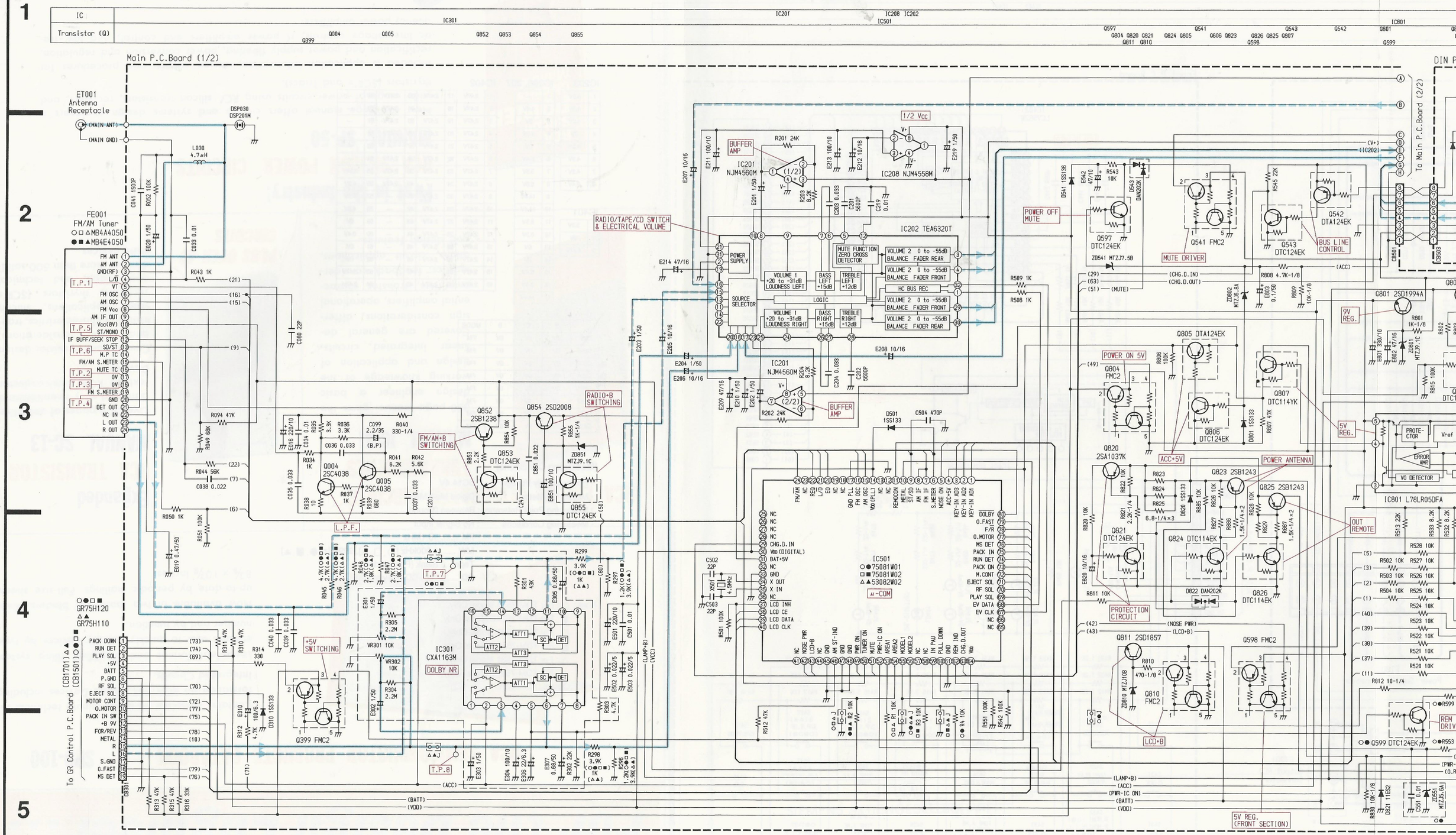
Noter :
- ○ : TDM-7534 Model Only,
- ● : TDM-7534E Model Only,
- □ : TDM-7532 Model Only,
- ■ : TDM-7532E Model Only,
- △ : TDM-7531 Model Only,
- ▲ : TDM-7531E Model Only,

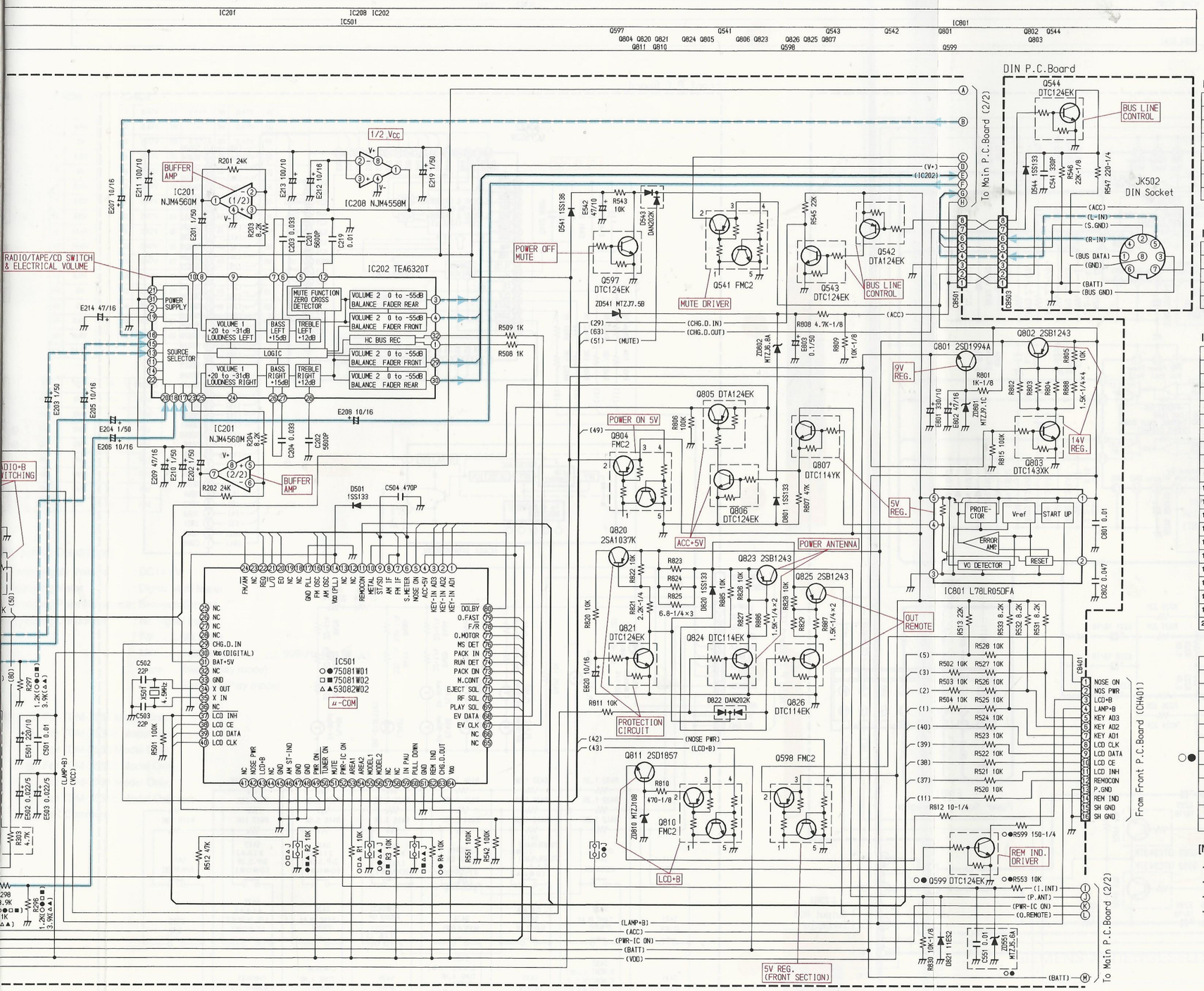
Others : Common

(2/2) All P.C. Boards viewed from soldered side.



Schematic Diagram (1/3)





IC201

1	4.2V
2	4.2V
3	4.2V
4	0V
5	4.2V
6	4.2V
7	4.2V
8	8.4V

IC202

1	5V	17	4.2V
2	0V	18	4.2V
3	4.2V	19	8.4V
4	4.2V	20	4.2V
5	4.2V	21	4.2V
6	4.2V	22	4.2V
7	4.2V	23	4.2V
8	4.2V	24	4.2V
9	4.2V	25	4.2V
10	4.2V	26	4.2V
11	4.2V	27	4.2V
12	8.4V	28	4.2V
13	4.2V	29	4.2V
14	—	30	4.2V
15	4.2V	31	8.4V
16	4.2V	32	5V

IC208

1	4.2V
2	4.2V
3	4.2V
4	0V
5	—
6	—
7	—
8	8.4V

IC301 (○●□■)

1	4.3V
2	8.4V
3	4.3V
4	4.2V
5	4.1V
6	4.3V
7	0.4V
8	4.3V
9	4.3V
10	0.4V
11	4.3V
12	8.3V
13	1.2V
14	4.2V
15	0V
16	4.2V

IC801

1	14.4V
2	0V
3	0V
4	4.8V
5	5V

IC501

		MODE			MODE			MODE			MODE
1	5V		21	4.8V/0V	L/D	41	—		61	0V	
2	5V		22	0V	REQ ON	42	5V		62	4.9V	
3	5V		23	—		43	4.9V		63	—	
4	4.1V		24	0V		44	—		64	5V	
5	2.3V		25	—		45	0V		65	—	
6	2.8V		26	—		46	4.1V		66	—	
7	0V		27	—		47	0V		67	5V	
8	0V		28	—		48	0V		68	5V	
9	0V/4.9V	ST/SD	29	5V		49	4.9V		69	4.9V	ON
10	4.9V		30	5V		50	0V		70	0V	ON
11	4.8V		31	0V		51	5V	ON	71	0V	ON
12	—		32	—		52	4.9V		72	0V	
13	—		33	0V		53	0V		73	4.8V	
14	5V		34	2.4V		54	0V		74	4.8V	
15	2.4V	AM ON	35	2.4V		55	5V		75	4.9V	
16	1.9V	FM ON	36	—		56	4.9V		76	4.8V	
17	0V		37	5V		57	—		77	4.8V	
18	—		38	0.5V		58	—		78	5V/0V	F/R
19	—		39	0.1V		59	0.6V		79	0V	
20	1.2V	E.O	40	0V		60	0.6V		80	4.9V	DOL ON

	E	C	B	MODE		E	C	B	MODE
Q004	0V	4V	0.6V	FM	Q807	4.1V	5V	4.8V	FM
Q005	0.8V	7.8V	1.2V	FM	Q811	9.6V	14.3V	10.1V	FM
Q542	5V	1.4V	4.9V	CD	Q820	14.3V	0V	14.3V	FM
Q543	0V	4.5V	1.2V	CD	Q821	0V	14.3V	0V	FM
Q544	0V	13.4V	0V	CD	Q823	14.3V	14.3V	13.7V	FM
Q597	0V	0V	6.2V		Q824	0V	0V	4.4V	FM
Q599	0V	0.1V	4.9V	FM	Q825	14.3V	14.4V	14.3V	FM
Q801	8.5V	14.4V	9V	FM	Q826	0V	0V	3.5V	FM
Q802	14.4V	14.3V	13.7V	FM	Q852	8.4V	8.4V	7.8V	FM
Q803	0V	0.1V	4.8V	FM	Q853	0V	0V	0V	
Q805	4.1V	4.1V	0V	FM	Q854	8.5V	14.2V	9V	FM
Q806	0V	0V	5.9V	FM	Q855	0V	9V	0V	FM

	1	2	3	4	5
Q399	—	4.7V	4.8V	4.1V	0V
Q541	—	0V	14.4V	0V	0V
Q598	—	4.8V	5V	4.9V	0V
Q804	—	4.8V	5V	4.9V	0V
Q810	—	14.3V	14.3V	4.9V	0V

[Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Meter
- Measuring Point Reference : Between Ground
- Measuring Conditions : No Signal Input
  - FM 98.1MHz
  - MW ..... 1,000kHz [○, □, △], 999kHz [●, ■, ▲]
  - Tape .... Blank (Play mode)
  - CD ..... Test-CD (Play mode)

Note : ○ : For TDM-7534 Model Only,
● : For TDM-7534E Model Only,
□ : For TDM-7532 Model Only,
■ : For TDM-7532E Model Only,
△ : For TDM-7531 Model Only,
▲ : For TDM-7531E Model Only,
Others : Common.

NOTES:

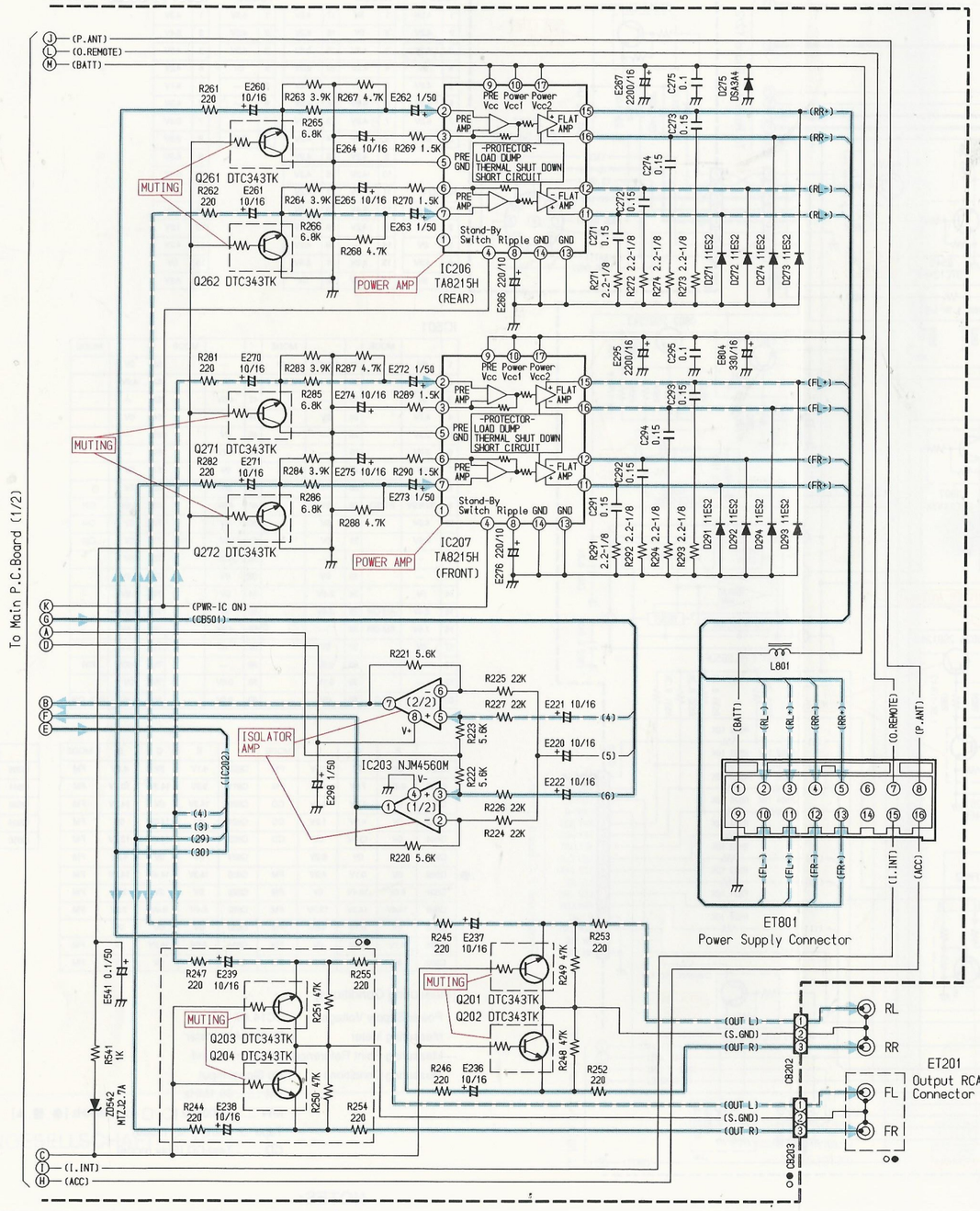
1. All resistance values are in ohms. K = 1,000
2. All capacitance values are in microfarads. $P = \frac{1}{1,000,000}$

TDM-7534/E
TDM-7532/E
TDM-7531/E
TDM-7534/E
TDM-7532/E
TDM-7531/E

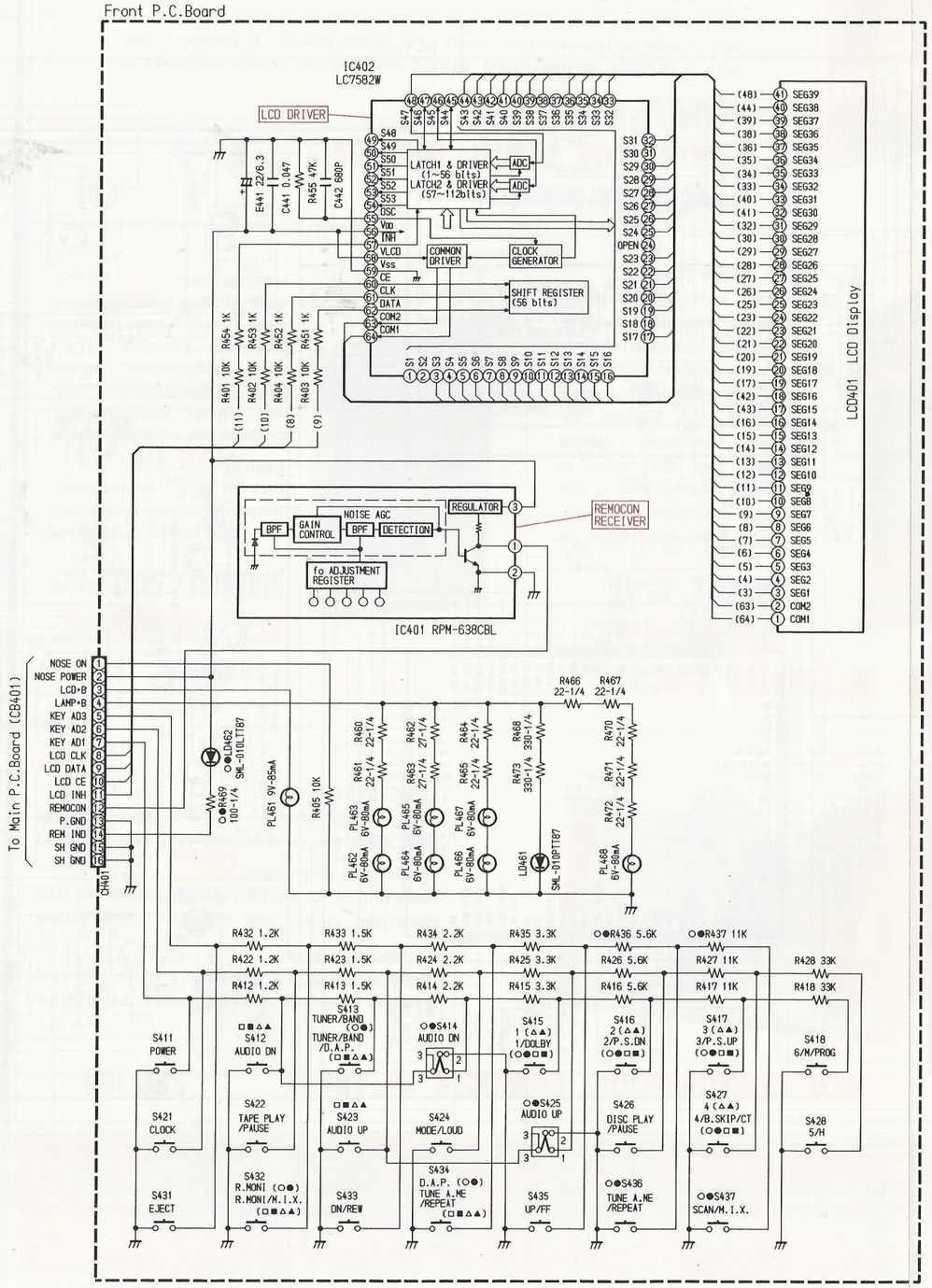
Schematic Diagram (2/3)

IC	IC203 IC206 IC207	IC402 IC401
Transistor (Q)	Q261 Q262 Q271 Q272 Q203 Q204 Q201 Q202	

Main P.C.Board (2/2)



Front P.C.Board



IC203

1	4.2V
2	4.2V
3	4.2V
4	0V
5	4.2V
6	4.2V
7	4.2V
8	8.4V

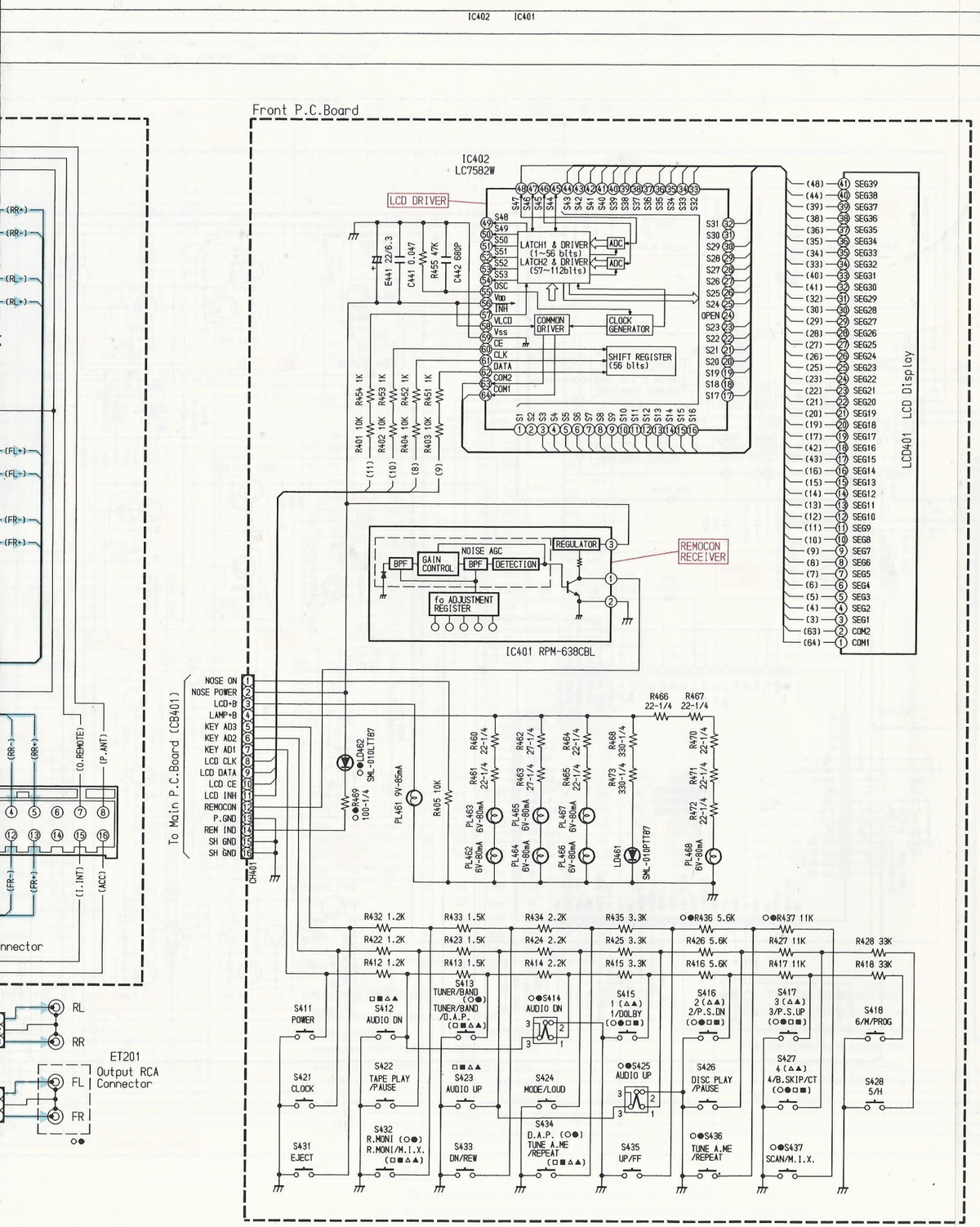
IC401

1	3.3V
2	0V
3	4.91V

	E
Q201	0V
Q202	0V
Q203	0V
Q204	0V
Q261	0V
Q262	0V
Q271	0V
Q272	0V

[Measuring
· Power Sup
· Measuring
· Measuring
· Measuring

Note : ○ : Fo
● : Fo
□ : Fo
■ : Fo
△ : Fo
▲ : Fo
Others



IC203

1	4.2V
2	4.2V
3	4.2V
4	0V
5	4.2V
6	4.2V
7	4.2V
8	8.4V

IC401

1	3.3V
2	0V
3	4.91V

IC206, 207

1	—
2	4.4V
3	5V
4	4.9V
5	0V
6	5.4V
7	5.5V
8	5.5V
9	14.4V
10	14.4V
11	6.5V
12	6.5V
13	0V
14	0V
15	6.4V
16	6.4V
17	14.4V

IC402

1	2.47V	17	2.47V	33	2.47V	49	—
2	2.47V	18	—	34	2.47V	50	—
3	2.47V	19	2.47V	35	2.47V	51	—
4	2.47V	20	2.47V	36	2.47V	52	—
5	2.47V	21	2.47V	37	—	53	—
6	2.47V	22	2.47V	38	2.47V	54	—
7	2.47V	23	2.47V	39	2.47V	55	3.64V
8	2.47V	24	—	40	2.47V	56	4.9V
9	2.47V	25	2.47V	41	—	57	4.9V
10	2.47V	26	2.47V	42	—	58	4.9V
11	2.47V	27	2.47V	43	—	59	0V
12	2.47V	28	2.47V	44	—	60	0.4V
13	2.47V	29	2.47V	45	—	61	0V
14	2.47V	30	2.47V	46	—	62	0V
15	2.47V	31	—	47	—	63	2.47V
16	2.47V	32	2.47V	48	—	64	2.47V

	E	C	B	MODE
Q201	0V	0V	0V	FM
Q202	0V	0V	0V	FM
○● Q203	0V	0V	0V	FM
○● Q204	0V	0V	0V	FM
Q261	0V	0V	0V	FM
Q262	0V	0V	0V	FM
Q271	0V	0V	0V	FM
Q272	0V	0V	0V	FM

[Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Meter
- Measuring Point Reference : Between Ground
- Measuring Conditions : No Signal Input
  FM 98.1MHz
  MW ..... 1,000kHz [○, □ ,△], 999kHz [●, ■, ▲]
  Tape .... Blank (Play mode)
  CD ..... Test-CD (Play mode)

Note : ○ : For TDM-7534 Model Only,
● : For TDM-7534E Model Only,
□ : For TDM-7532 Model Only,
■ : For TDM-7532E Model Only,
△ : For TDM-7531 Model Only,
▲ : For TDM-7531E Model Only,
Others : Common.

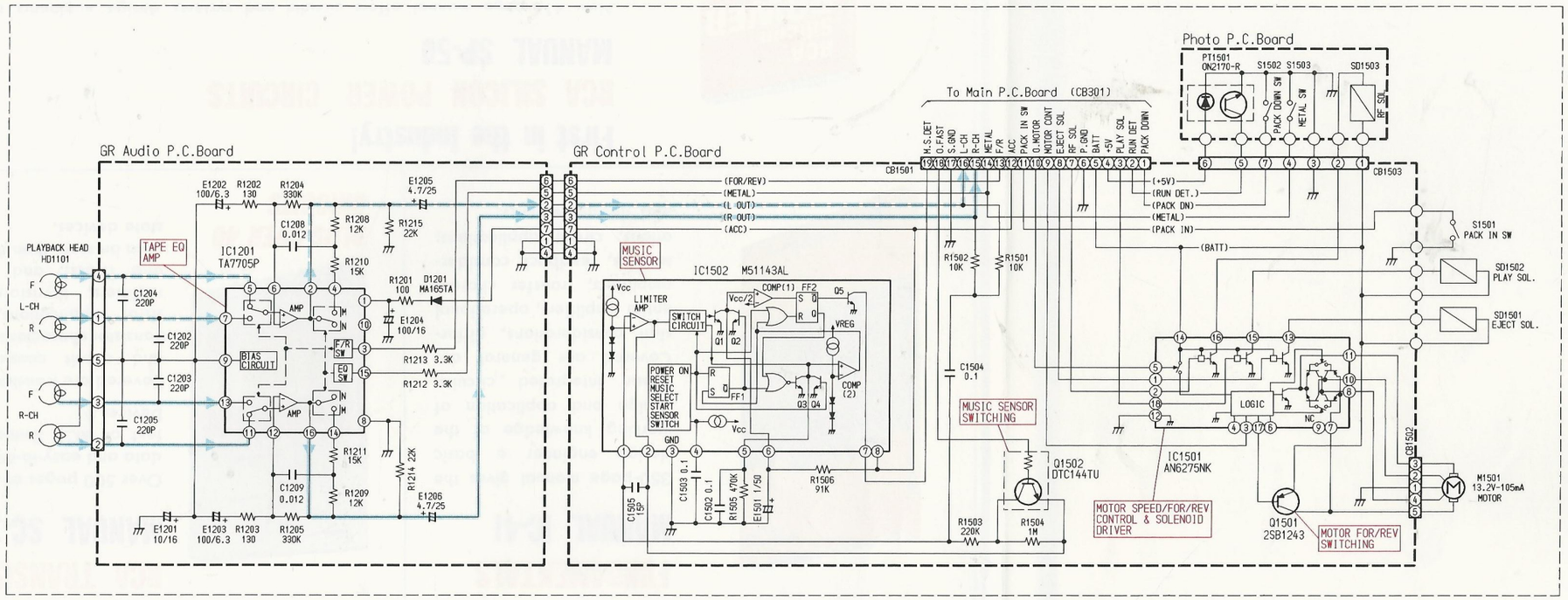
NOTES:

1. All resistance values are in ohms. K = 1,000
2. All capacitance values are in microfarads. $P = \frac{1}{1{,}000{,}000}$

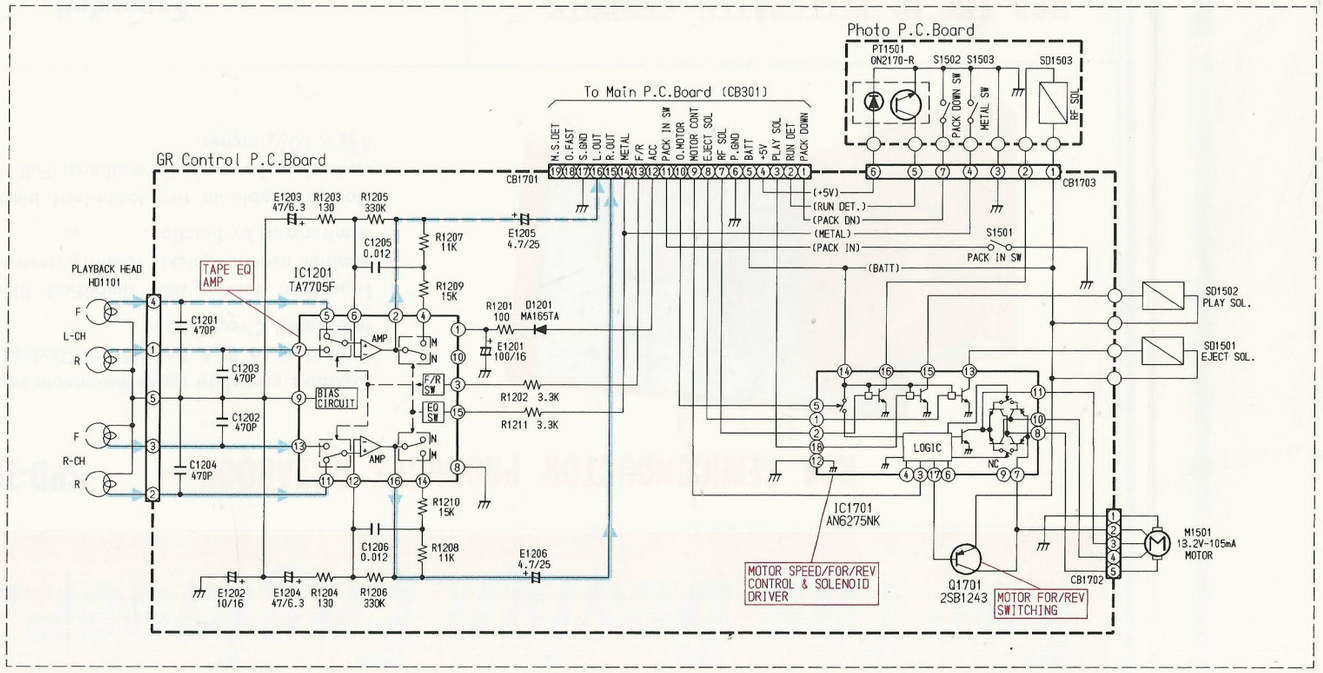
Schematic Diagram (3/3)

IC	IC1201(○●□■) IC1201(△▲)	IC1502 IC1701	IC1501
Transistor (Q,PT)	PT1501(△▲) Q1701	Q1502	PT1501(○●□■) Q1501

○●□■



△▲



IC1201

1	13.1V	9	2.9V
2	3.1V	10	—
3	4.9V	11	2.9V
4	3.1V	12	2.9V
5	2.9V	13	2.9V
6	2.9V	14	3.1V
7	2.9V	15	0.1V
8	0V	16	3.1V

IC1501 (○●□■)

1	0V	10	13.9V
2	0V	11	8.1V
3	5.1V	12	0V
4	0V	13	14V
5	5.1V	14	14V
6	0.5V	15	0.2V
7	13.9V	16	14V
8	8.2V	17	13.2V
9	—	18	5.1V

IC1502 (○●□■)

1	14.1V
2	1.38V
3	0V
4	13.1V
5	0.02V
6	0.02V
7	0.05V
8	14.01V

IC1701 (△▲)

1	0V	10	11.9V
2	0V	11	5.7V
3	5.1V	12	0V
4	—	13	12V
5	5.1V	14	12V
6	—	15	0.2V
7	11.9V	16	12V
8	5.7V	17	11.3V
9	—	18	5.1V

		E	C	B
○●□■	Q1501	14V	13.9V	13.2V
○●□■	Q1502	0V	0.4V	3.8V
△▲	Q1701	11.3V	11.9V	12V

[Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Meter
- Measuring Point Reference : Between Ground
- Measuring Conditions : No Signal Input
  - FM 98.1MHz
  - MW ..... 1,000kHz [○, □, △], 999kHz [●, ■, ▲]
  - Tape .... Blank (Play mode)
  - CD ..... Test-CD (Play mode)

Note : ○ : For TDM-7534 Model Only,
● : For TDM-7534E Model Only,
□ : For TDM-7532 Model Only,
■ : For TDM-7532E Model Only,
△ : For TDM-7531 Model Only,
▲ : For TDM-7531E Model Only,
Others : Common.

NOTES:

1. All resistance values are in ohms. K = 1,000
2. All capacitance values are in microfarads. $P = \frac{1}{1,000,000}$

Electrical Parts List

Resistor : Carbon resistors under 1 / 4 watts are not mentioned in the parts list, please confirm them by schematic diagram.
Capacitor : μF = microfarads, pF = picofarads

Abbreviations

RES. =	Resistor	CAP. =	Capacitor
C.F. =	Carbon Film	ELY. =	Electrolytic
M.F. =	Metal Film	CER. =	Ceramic
M.O. =	Metal Oxide Film	MYL. =	Mylar
M.P. =	Metal Plate	TAN. =	Tantalum
TR. =	Transistor	POLY. =	Polystyrol
TRANS. =	Transformer	PP. =	Polypropylene
CP. =	Chip	PLT. =	Polyethylene
		PF. =	Polyester Film

Main P. C. Board

IC's

	Symbol No.	Part No.	Description
	IC201	51T73718F01	NJM4560M
	IC202	51T65131W01	TEA6320T
	IC203	51T73718F01	NJM4560M
	IC206	51T35133W02	TA8215H
	IC207	51T35133W02	TA8215H
	IC208	51E20551S01	NJM4558M
○	IC301	51T16466W02	CXA1163M
●	IC301	51T16466W02	CXA1163M
□	IC301	51T16466W02	CXA1163M
■	IC301	51T16466W02	CXA1163M
○	IC501	51T75081W01	75081W01
●	IC501	51T75081W01	75081W01
□	IC501	51T75081W02	75081W02
■	IC501	51T75081W02	75081W02
△	IC501	51T53082W02	53082W02
▲	IC501	51T53082W02	53082W02
	IC801	51T15268W06	L78LR05DFA

Transistors

	Symbol No.	Part No.	Description
	Q004	48E22104S01	2SC4038
	Q005	48E22104S01	2SC4038
	Q201	48E20986S01	CP., DTC343TK
	Q202	48E20986S01	CP., DTC343TK
○	Q203	48E20986S01	CP., DTC343TK
●	Q203	48E20986S01	CP., DTC343TK
○	Q204	48E20986S01	CP., DTC343TK
●	Q204	48E20986S01	CP., DTC343TK
	Q261	48E20986S01	CP., DTC343TK
	Q262	48E20986S01	CP., DTC343TK
	Q271	48E20986S01	CP., DTC343TK
	Q272	48E20986S01	CP., DTC343TK
	Q399	48E11274S01	CP., FMC2
	Q541	48E11274S01	CP., FMC2
	Q542	48E22092S01	CP., DTA124EK
	Q543	48E10426S01	CP., DTC124EK
	Q597	48E10426S01	CP., DTC124EK
	Q598	48E11274S01	CP., FMC2
○	Q599	48E10426S01	CP., DTC124EK
●	Q599	48E10426S01	CP., DTC124EK
	Q801	48T93828F01	2SD1994A
	Q802	48T84366F01	2SB1243
	Q803	48E22095S01	CP., DTC143XK
	Q804	48E11274S01	CP., FMC2
	Q805	48E22092S01	CP., DTA124EK
	Q806	48E10426S01	CP., DTC124EK
	Q807	48E22094S01	CP., DTC114YK
	Q810	48E11274S01	CP., FMC2
	Q811	48T55057W01	2SD1857
	Q820	48T63420F01	CP., 2SA1037K
	Q821	48E10426S01	CP., DTC124EK
	Q823	48T84366F01	2SB1243
	Q824	48E22093S01	CP., DTC114EK
	Q825	48T84366F01	2SB1243
	Q826	48E22093S01	CP., DTC114EK
	Q852	48T84234F03	2SB1238
	Q853	48E10426S01	CP., DTC124EK
	Q854	48T15289W01	2SD2008
	Q855	48E10426S01	CP., DTC124EK

Diodes / Surge Protector

	Symbol No.	Part No.	Description
	D271	48T84052F01	11ES2
	D272	48T84052F01	11ES2
	D273	48T84052F01	11ES2
	D274	48T84052F01	11ES2
	D275	48T68580F03	DSA3A4
	D291	48T84052F01	11ES2
	D292	48T84052F01	11ES2
	D293	48T84052F01	11ES2
	D294	48T84052F01	11ES2
	D310	48T68828F01	1SS133
	D501	48T68828F01	1SS133
	D541	48T70933F01	1SS136
	D543	48E10945S01	CP., DAN202K
	D801	48T68828F01	1SS133
	D820	48T68828F01	1SS133

Note : ○ : For TDM-7534 Model Only, ● : For TDM-7534E Model Only,
□ : For TDM-7532 Model Only, ■ : For TDM-7532E Model Only,
△ : For TDM-7531 Model Only, ▲ : For TDM-7531E Model Only, Others : Common.

	Symbol No.	Part No.	Description
	D821	48T84052F01	11ES2
	D822	48E10945S01	CP., DAN202K
	ZD541	48T26033W36	Zener, MTZJ7.5B
	ZD542	48T45012W07	Zener, MTZJ2.7A
○	ZD551	48T26033W26	Zener, MTZJ5.6A
●	ZD551	48T26033W26	Zener, MTZJ5.6A
	ZD801	48T26033W43	Zener, MTZJ9.1C
	ZD802	48T26033W32	Zener, MTZJ6.8A
	ZD810	48T26033W45	Zener, MTZJ10B
	ZD851	48T26033W43	Zener, MTZJ9.1C
	DSP030	48T84048F02	Surge Protector, DSP-201M
	Coils / Crystal		
	L030	24E22165S01	Inductor, 4.7μH
	L801	24T75055W03	Choke
	X501	91E08380S01	Crystal, 4.5MHz
	Capacitors		
	E016	23E08383S03	ELY., 220μF / 10V
	E019	23E09402S14	ELY., 0.47μF / 50V
	E020	23E09402S01	ELY., 1μF / 50V
	C033	08E22083S01	CP., 0.01μF
	C034	08E22083S01	CP., 0.01μF
	C035	08E22086S01	CP., 0.033μF
	C036	08E22086S01	CP., 0.033μF
	C037	08E22086S01	CP., 0.033μF
	C038	08E22085S01	CP., 0.022μF
	C039	08E22086S01	CP., 0.033μF
	C040	08E22086S01	CP., 0.033μF
	C041	08E08577S02	CP., 1500pF
	C080	08E20550S01	CP., 22pF
	C099	23E09403S03	ELY., (B.P) 2.2μF / 35V
	C201	08E08578S02	CP., 5600pF
	E201	23S75372W15	ELY., 1μF / 50V
	C202	08E08578S02	CP., 5600pF
	E202	23S75372W15	ELY., 1μF / 50V
	C203	08E20755S01	TF, 0.033μF
	E203	23E09402S01	ELY., 1μF / 50V
	C204	08E20755S01	TF, 0.033μF
	E204	23E09402S01	ELY., 1μF / 50V
	E205	23S75372W04	ELY., 10μF / 16V
	E206	23S75372W04	ELY., 10μF / 16V
	E207	23S75372W04	ELY., 10μF / 16V

	Symbol No.	Part No.	Description
	E208	23S75372W04	ELY., 10μF / 16V
	E209	23S75372W07	ELY., 47μF / 16V
	E210	23S75372W15	ELY., 1μF / 50V
	E211	23S75372W02	ELY., 100μF / 10V
	E212	23S75372W04	ELY., 10μF / 16V
	E213	23S75372W02	ELY., 100μF / 10V
	E214	23S75372W07	ELY., 47μF / 16V
	C219	08E22090S01	CP., 0.01μF
	E219	23S75372W15	ELY., 1μF / 50V
	E220	23S75372W04	ELY., 10μF / 16V
	E221	23S75372W04	ELY., 10μF / 16V
	E222	23S75372W04	ELY., 10μF / 16V
	E236	23S75372W04	ELY., 10μF / 16V
	E237	23S75372W04	ELY., 10μF / 16V
○	E238	23S75372W04	ELY., 10μF / 16V
●	E238	23S75372W04	ELY., 10μF / 16V
○	E239	23S75372W04	ELY., 10μF / 16V
●	E239	23S75372W04	ELY., 10μF / 16V
	E260	23S75372W04	ELY., 10μF / 16V
	E261	23S75372W04	ELY., 10μF / 16V
	E262	23S75372W15	ELY., 1μF / 50V
	E263	23S75372W15	ELY., 1μF / 50V
	E264	23E08565S08	ELY., 10μF / 16V
	E265	23E08565S08	ELY., 10μF / 16V
	E266	23E11275S01	ELY., 220μF / 10V
	E267	23T75346W01	ELY., 2200μF / 16V
	E270	23S75372W04	ELY., 10μF / 16V
	C271	08E20756S01	TF, 0.15μF
	E271	23S75372W04	ELY., 10μF / 16V
	C272	08E20756S01	TF, 0.15μF
	E272	23S75372W15	ELY., 1μF / 50V
	C273	08E20756S01	TF, 0.15μF
	E273	23S75372W15	ELY., 1μF / 50V
	C274	08E20756S01	TF, 0.15μF
	E274	23E08565S08	ELY., 10μF / 16V
	C275	08E22088S01	CP., 0.1μF
	E275	23E08565S08	ELY., 10μF / 16V
	E276	23E11275S01	ELY., 220μF / 10V
	C291	08E20756S01	TF, 0.15μF
	C292	08E20756S01	TF, 0.15μF
	C293	08E20756S01	TF, 0.15μF
	C294	08E20756S01	TF, 0.15μF
	C295	08E22088S01	CP., 0.1μF
	E295	23T75346W01	ELY., 2200μF / 16V
	E298	23S75372W15	ELY., 1μF / 50V
○	E301	23S75372W15	ELY., 1μF / 50V
●	E301	23S75372W15	ELY., 1μF / 50V
□	E301	23S75372W15	ELY., 1μF / 50V
■	E301	23S75372W15	ELY., 1μF / 50V
○	E302	23S75372W15	ELY., 1μF / 50V

Note : ○ : For TDM-7534 Model Only, ● : For TDM-7534E Model Only,
□ : For TDM-7532 Model Only, ■ : For TDM-7532E Model Only,
△ : For TDM-7531 Model Only, ▲ : For TDM-7531E Model Only, Others : Common.

	Symbol No.	Part No.	Description
●	E302	23S75372W15	ELY., 1μF / 50V
□	E302	23S75372W15	ELY., 1μF / 50V
■	E302	23S75372W15	ELY., 1μF / 50V
○	E303	23S75372W15	ELY., 1μF / 50V
●	E303	23S75372W15	ELY., 1μF / 50V
□	E303	23S75372W15	ELY., 1μF / 50V
■	E303	23S75372W15	ELY., 1μF / 50V
○	E304	23S75372W02	ELY., 100μF / 10V
●	E304	23S75372W02	ELY., 100μF / 10V
□	E304	23S75372W02	ELY., 100μF / 10V
■	E304	23S75372W02	ELY., 100μF / 10V
○	E305	23S75372W14	ELY., 0.68μF / 50V
●	E305	23S75372W14	ELY., 0.68μF / 50V
□	E305	23S75372W14	ELY., 0.68μF / 50V
■	E305	23S75372W14	ELY., 0.68μF / 50V
○	E306	23E10947S02	ELY., 22μF / 6.3V
●	E306	23E10947S02	ELY., 22μF / 6.3V
□	E306	23E10947S02	ELY., 22μF / 6.3V
■	E306	23E10947S02	ELY., 22μF / 6.3V
○	E307	23S75372W14	ELY., 0.68μF / 50V
●	E307	23S75372W14	ELY., 0.68μF / 50V
□	E307	23S75372W14	ELY., 0.68μF / 50V
■	E307	23S75372W14	ELY., 0.68μF / 50V
	E310	23E22101S01	ELY., 100μF / 6.3V
	C501	08E22083S01	CP., 0.01μF
	E501	23E22102S01	ELY., 220μF / 10V
	C502	08E20550S01	CP., 22pF
	E502	23T75392W01	ELY., 0.022μF / 5V
	C503	08E20550S01	CP., 22pF
	E503	23T75392W01	ELY., 0.022μF / 5V
	C504	08E22080S01	CP., 470pF
	E541	23E09402S10	ELY., 0.1μF / 50V
	E542	23E09402S12	ELY., 47μF / 10V
○	C551	08E22083S01	CP., 0.01μF
●	C551	08E22083S01	CP., 0.01μF
	C801	08E22083S01	CP., 0.01μF
	E801	23E22131S01	ELY., 330μF / 10V
	C802	08E22087S01	CP., 0.047μF
	E802	23S75372W07	ELY., 47μF / 16V
	E803	23E09402S10	ELY., 0.1μF / 50V
	E804	23E22021S01	ELY., 330μF / 16V
	E820	23E09402S01	ELY., 10μF / 16V
	C851	08E22085S01	CP., 0.022μF
	E851	23E09402S09	ELY., 100μF / 10V

	Symbol No.	Part No.	Description
	Resistors (All resistors are chip 1/10W±5% unless otherwise noted.)		
○	R1	06E20903S01	10K ohm
□	R1	06E20903S01	10K ohm
△	R1	06E20903S01	10K ohm
●	R2	06E20903S01	10K ohm
■	R2	06E20903S01	10K ohm
▲	R2	06E20903S01	10K ohm
□	R3	06E20903S01	10K ohm
■	R3	06E20903S01	10K ohm
○	R4	06E20903S01	10K ohm
●	R4	06E20903S01	10K ohm
	R034	06E22048S01	1K ohm
	R035	06E22053S01	3.3K ohm
	R036	06E22053S01	3.3K ohm
	R037	06E22048S01	1K ohm
	R038	06E22040S01	10 ohm
	R039	06E22046S01	680 ohm
	R040	06E22073S01	330 ohm 1/4W
	R041	06E22057S01	8.2K ohm
	R043	06E22048S01	1K ohm
	R044	06E22063S01	56K ohm
○	R045	06E22033S01	4.7K ohm 1/8W
●	R045	06E22033S01	4.7K ohm 1/8W
□	R045	06E22033S01	4.7K ohm 1/8W
■	R045	06E22033S01	4.7K ohm 1/8W
△	R045	06E22127S01	2.7K ohm 1/8W
▲	R045	06E22127S01	2.7K ohm 1/8W
○	R046	06E22033S01	4.7K ohm 1/8W
●	R046	06E22033S01	4.7K ohm 1/8W
□	R046	06E22033S01	4.7K ohm 1/8W
■	R046	06E22033S01	4.7K ohm 1/8W
△	R046	06E22127S01	2.7K ohm 1/8W
▲	R046	06E22127S01	2.7K ohm 1/8W
○	R047	06E22052S01	2.7K ohm
●	R047	06E22052S01	2.7K ohm
□	R047	06E22052S01	2.7K ohm
■	R047	06E22052S01	2.7K ohm
△	R047	06E22050S01	1.8K ohm
▲	R047	06E22050S01	1.8K ohm
○	R048	06E22052S01	2.7K ohm
●	R048	06E22052S01	2.7K ohm
□	R048	06E22052S01	2.7K ohm
■	R048	06E22052S01	2.7K ohm
△	R048	06E22050S01	1.8K ohm
▲	R048	06E22050S01	1.8K ohm
	R049	06E22064S01	68K ohm
	R050	06E22048S01	1K ohm
	R051	06E22039S01	100K ohm 1/8W

Note : ○ : For TDM-7534 Model Only, ● : For TDM-7534E Model Only,
□ : For TDM-7532 Model Only, ■ : For TDM-7532E Model Only,
△ : For TDM-7531 Model Only, ▲ : For TDM-7531E Model Only, Others : Common.

	Symbol No.	Part No.	Description
	R052	06E22065S01	100K ohm
	R094	06E22062S01	47K ohm
	R201	06E22129S01	24K ohm
	R202	06E22129S01	24K ohm
	R203	06E22128S01	8.2K ohm 1/8W
	R204	06E22057S01	8.2K ohm
	R220	06E22111S01	5.6K ohm
	R221	06E22111S01	5.6K ohm
	R222	06E22111S01	5.6K ohm
	R223	06E22111S01	5.6K ohm
	R224	06E22060S01	22K ohm
	R225	06E22060S01	22K ohm
	R226	06E22060S01	22K ohm
	R227	06E22060S01	22K ohm
○	R244	06E22028S01	220 ohm 1/8W
●	R244	06E22028S01	220 ohm 1/8W
	R245	06E22028S01	220 ohm 1/8W
	R246	06E22028S01	220 ohm 1/8W
○	R247	06E22042S01	220 ohm
●	R247	06E22042S01	220 ohm
	R248	06E22062S01	47K ohm
	R249	06E22062S01	47K ohm
○	R250	06E22062S01	47K ohm
●	R250	06E22062S01	47K ohm
○	R251	06E22062S01	47K ohm
●	R251	06E22062S01	47K ohm
	R252	06E22042S01	220 ohm
	R253	06E22042S01	220 ohm
○	R254	06E22042S01	220 ohm
●	R254	06E22042S01	220 ohm
○	R255	06E22042S01	220 ohm
●	R255	06E22042S01	220 ohm
	R261	06E22042S01	220 ohm
	R263	06E22054S01	3.9K ohm
	R264	06E22054S01	3.9K ohm
	R265	06E22056S01	6.8K ohm
	R266	06E22056S01	6.8K ohm
	R267	06E22055S01	4.7K ohm
	R268	06E22055S01	4.7K ohm
	R269	06E21164S01	1.5K ohm
	R270	06E21164S01	1.5K ohm
	R271	06E22027S01	2.2 ohm 1/8W
	R272	06E22027S01	2.2 ohm 1/8W
	R273	06E22027S01	2.2 ohm 1/8W
	R274	06E22027S01	2.2 ohm 1/8W
	R281	06E22028S01	220 ohm 1/8W
	R282	06E22042S01	220 ohm
	R283	06E22054S01	3.9K ohm
	R284	06E22054S01	3.9K ohm
	R285	06E22056S01	6.8K ohm

	Symbol No.	Part No.	Description
	R286	06E22056S01	6.8K ohm
	R287	06E22055S01	4.7K ohm
	R288	06E22055S01	4.7K ohm
	R289	06E21164S01	1.5K ohm
	R290	06E21164S01	1.5K ohm
	R291	06E22027S01	2.2 ohm 1/8W
	R292	06E22027S01	2.2 ohm 1/8W
	R293	06E22027S01	2.2 ohm 1/8W
	R294	06E22027S01	2.2 ohm 1/8W
○	R296	06E22031S01	1.2K ohm 1/8W
●	R296	06E22031S01	1.2K ohm 1/8W
□	R296	06E22031S01	1.2K ohm 1/8W
■	R296	06E22031S01	1.2K ohm 1/8W
△	R296	06E22032S01	3.9K ohm 1/8W
▲	R296	06E22032S01	3.9K ohm 1/8W
○	R297	06E22049S01	1.2K ohm
●	R297	06E22049S01	1.2K ohm
□	R297	06E22049S01	1.2K ohm
■	R297	06E22049S01	1.2K ohm
△	R297	06E22054S01	3.9K ohm
▲	R297	06E22054S01	3.9K ohm
○	R299	06E22054S01	3.9K ohm
●	R299	06E22054S01	3.9K ohm
□	R299	06E22054S01	3.9K ohm
■	R299	06E22054S01	3.9K ohm
△	R299	06E22048S01	1K ohm
▲	R299	06E22048S01	1K ohm
○	R301	06E20851S01	43K ohm
●	R301	06E20851S01	43K ohm
□	R301	06E20851S01	43K ohm
■	R301	06E20851S01	43K ohm
○	R302	06E22060S01	22K ohm
●	R302	06E22060S01	22K ohm
□	R302	06E22060S01	22K ohm
■	R302	06E22060S01	22K ohm
○	R303	06E22033S01	4.7K ohm 1/8W
●	R303	06E22033S01	4.7K ohm 1/8W
□	R303	06E22033S01	4.7K ohm 1/8W
■	R303	06E22033S01	4.7K ohm 1/8W
○	R304	06E22069S01	2.2M ohm
●	R304	06E22069S01	2.2M ohm
□	R304	06E22069S01	2.2M ohm
■	R304	06E22069S01	2.2M ohm
○	R305	06E22069S01	2.2M ohm
●	R305	06E22069S01	2.2M ohm
□	R305	06E22069S01	2.2M ohm
■	R305	06E22069S01	2.2M ohm
	R312	06E22055S01	4.7K ohm
	R313	06E22062S01	47K ohm
	R314	06E22043S01	330 ohm

Note : ○ : For TDM-7534 Model Only, ● : For TDM-7534E Model Only,
□ : For TDM-7532 Model Only, ■ : For TDM-7532E Model Only,
△ : For TDM-7531 Model Only, ▲ : For TDM-7531E Model Only, Others : Common.

	Symbol No.	Part No.	Description
	R315	06E22062S01	47K ohm
	R316	06E22061S01	33K ohm
	R501	06E22039S01	100K ohm 1/8W
	R502	06E20903S01	10K ohm
	R503	06E20903S01	10K ohm
	R504	06E20903S01	10K ohm
	R512	06E22062S01	47K ohm
	R513	06E22060S01	22K ohm
	R528	06E20903S01	10K ohm
	R541	06E22048S01	1K ohm
	R542	06E22065S01	100K ohm
	R543	06E22034S01	10K ohm 1/8W
	R545	06E22060S01	22K ohm
	R551	06E22065S01	100K ohm
○	R553	06E20903S01	10K ohm
●	R553	06E20903S01	10K ohm
○	R599	06E22072S01	150 ohm 1/4W
●	R599	06E22072S01	150 ohm 1/4W
	R801	06E22023S01	1K ohm 1/8W
	R802	06E22075S01	1.5K ohm 1/4W
	R803	06E22075S01	1.5K ohm 1/4W
	R804	06E22075S01	1.5K ohm 1/4W
	R805	06E22034S01	10K ohm 1/8W
	R806	06E22039S01	100K ohm 1/8W
	R807	06E22062S01	47K ohm
	R808	06E22033S01	4.7K ohm 1/8W
	R809	06E22034S01	10K ohm 1/8W
	R810	06E22029S01	470 ohm 1/8W
	R811	06E20903S01	10K ohm
	R812	06E22071S01	10 ohm 1/4W
	R815	06E22065S01	100K ohm
	R820	06E20903S01	10K ohm
	R821	06E22076S01	2.2K ohm 1/4W
	R822	06E20903S01	10K ohm
	R823	06E22070S01	6.8 ohm 1/4W
	R824	06E22070S01	6.8 ohm 1/4W
	R825	06E22070S01	6.8 ohm 1/4W
	R826	06E20903S01	10K ohm
	R827	06E22075S01	1.5K ohm 1/4W
	R828	06E20903S01	10K ohm
	R829	06E22075S01	1.5K ohm 1/4W
	R830	06E22034S01	10K ohm 1/8W
	R853	06E22051S01	2.2K ohm
	R854	06E20903S01	10K ohm
	R855	06E22074S01	1K ohm 1/4W
	R885	06E22034S01	10K ohm 1/8W
	R886	06E22075S01	1.5K ohm 1/4W
	R887	06E22075S01	1.5K ohm 1/4W
	R888	06E22075S01	1.5K ohm 1/4W
○	VR301	18E20754S01	Variable, 10K ohm

	Symbol No.	Part No.	Description
●	VR301	18E20754S01	Variable, 10K ohm
□	VR301	18E20754S01	Variable, 10K ohm
■	VR301	18E20754S01	Variable, 10K ohm
○	VR302	18E20754S01	Variable, 10K ohm
●	VR302	18E20754S01	Variable, 10K ohm
□	VR302	18E20754S01	Variable, 10K ohm
■	VR302	18E20754S01	Variable, 10K ohm

Front P. C. Board

IC's

	IC401	51T55246W02	RPM638CBL
	IC402	51T83905F03	LC7582W

Switches

	S411	40T55656W03	Tact, SKQMAJ (POWER)
□	S412	40T55656W03	Tact, SKQMAJ (AUDIO DN)
■	S412	40T55656W03	Tact, SKQMAJ (AUDIO DN)
△	S412	40T55656W03	Tact, SKQMAJ (AUDIO DN)
▲	S412	40T55656W03	Tact, SKQMAJ (AUDIO DN)
○	S413	40T55656W03	Tact, SKQMAJ (TUNER / BAND)
●	S413	40T55656W03	Tact, SKQMAJ (TUNER / BAND)
□	S413	40T55656W03	Tact, SKQMAJ (TUNER / BAND / D.A.P.)
■	S413	40T55656W03	Tact, SKQMAJ (TUNER / BAND / D.A.P.)
△	S413	40T55656W03	Tact, SKQMAJ (TUNER / BAND / D.A.P.)
▲	S413	40T55656W03	Tact, SKQMAJ (TUNER / BAND / D.A.P.)
○	S414	40T55571W01	Tact, SKQAXX (AUDIO DN)
●	S414	40T55571W01	Tact, SKQAXX (AUDIO DN)
○	S415	40T55656W03	Tact, SKQMAJ (1 / DOLBY)
●	S415	40T55656W03	Tact, SKQMAJ (1 / DOLBY)
□	S415	40T55656W03	Tact, SKQMAJ (1 / DOLBY)
■	S415	40T55656W03	Tact, SKQMAJ (1 / DOLBY)
△	S415	40T55656W03	Tact, SKQMAJ (1)
▲	S415	40T55656W03	Tact, SKQMAJ (1)
○	S416	40T55656W03	Tact, SKQMAJ (2 / P.S. DN)
●	S416	40T55656W03	Tact, SKQMAJ (2 / P.S. DN)
□	S416	40T55656W03	Tact, SKQMAJ (2 / P.S. DN)
■	S416	40T55656W03	Tact, SKQMAJ (2 / P.S. DN)
△	S416	40T55656W03	Tact, SKQMAJ (2)
▲	S416	40T55656W03	Tact, SKQMAJ (2)

Note : ○ : For TDM-7534 Model Only, ● : For TDM-7534E Model Only,
□ : For TDM-7532 Model Only, ■ : For TDM-7532E Model Only,
△ : For TDM-7531 Model Only, ▲ : For TDM-7531E Model Only, Others : Common.

	Symbol No.	Part No.	Description
○	S417	40T55656W03	Tact, SKQMAJ (3 / P.S. UP)
●	S417	40T55656W03	Tact, SKQMAJ (3 / P.S. UP)
□	S417	40T55656W03	Tact, SKQMAJ (3 / P.S. UP)
■	S417	40T55656W03	Tact, SKQMAJ (3 / P.S. UP)
△	S417	40T55656W03	Tact, SKQMAJ (3)
▲	S417	40T55656W03	Tact, SKQMAJ (3)
	S418	40T55656W03	Tact, SKQMAJ (6 / M / PROG)
	S421	40T55656W03	Tact, SKQMAJ (CLOCK)
	S422	40T55656W03	Tact, SKQMAJ (TAPE PLAY / PAUSE)
□	S423	40T55656W03	Tact, SKQMAJ (AUDIO UP)
■	S423	40T55656W03	Tact, SKQMAJ (AUDIO UP)
△	S423	40T55656W03	Tact, SKQMAJ (AUDIO UP)
▲	S423	40T55656W03	Tact, SKQMAJ (AUDIO UP)
	S424	40T55656W03	Tact, SKQMAJ (MODE / LOUD)
○	S425	40T55571W01	Tact, SKQAXX (AUDIO UP)
●	S425	40T55571W01	Tact, SKQAXX (AUDIO UP)
	S426	40T55656W03	Tact, SKQMAJ (DISC PLAY / PAUSE)
○	S427	40T55656W03	Tact, SKQMAJ (4 / B.SKIP / CT)
●	S427	40T55656W03	Tact, SKQMAJ (4 / B.SKIP / CT)
□	S427	40T55656W03	Tact, SKQMAJ (4 / B.SKIP / CT)
■	S427	40T55656W03	Tact, SKQMAJ (4 / B.SKIP / CT)
△	S427	40T55656W03	Tact, SKQMAJ (4)
▲	S427	40T55656W03	Tact, SKQMAJ (4)
	S428	40T55656W03	Tact, SKQMAJ (5 / H)
	S431	40T55656W03	Tact, SKQMAJ (EJECT)
○	S432	40T55656W03	Tact, SKQMAJ (R.MONI)
●	S432	40T55656W03	Tact, SKQMAJ (R.MONI)
□	S432	40T55656W03	Tact, SKQMAJ (R.MONI / M.I.X.)
■	S432	40T55656W03	Tact, SKQMAJ (R.MONI / M.I.X.)
△	S432	40T55656W03	Tact, SKQMAJ (R.MONI / M.I.X.)
▲	S432	40T55656W03	Tact, SKQMAJ (R.MONI / M.I.X.)
	S433	40T55656W03	Tact, SKQMAJ (DN / REW)
○	S434	40T55656W03	Tact, SKQMAJ (D.A.P.)
●	S434	40T55656W03	Tact, SKQMAJ (D.A.P.)
□	S434	40T55656W03	Tact, SKQMAJ (TUNE A.ME / REPEAT)
■	S434	40T55656W03	Tact, SKQMAJ (TUNE A.ME / REPEAT)
△	S434	40T55656W03	Tact, SKQMAJ (TUNE A.ME / REPEAT)
▲	S434	40T55656W03	Tact, SKQMAJ (TUNE A.ME / REPEAT)
	S435	40T55656W03	Tact, SKQMAJ (UP / FF)
○	S436	40T55656W03	Tact, SKQMAJ (TUNE A.ME / REPEAT)
●	S436	40T55656W03	Tact, SKQMAJ (TUNE A.ME / REPEAT)
○	S437	40T55656W03	Tact, SKQMAJ (SCAN / M.I.X.)
●	S437	40T55656W03	Tact, SKQMAJ (SCAN / M.I.X.)

	Symbol No.	Part No.	Description
	Lamps		
	PL461	65T75231W01	9V-85mA
	PL462	65T75233W01	6V-80mA
	PL463	65T75233W01	6V-80mA
	PL464	65T75233W01	6V-80mA
	PL465	65T75233W01	6V-80mA
	PL466	65T75233W01	6V-80mA
	PL467	65T75233W01	6V-80mA
	PL468	65T75233W01	6V-80mA
	LED's		
	LD461	48T65477W03	SML-010PTT87 (GRN)
○	LD462	48T65477W02	SML-010LTT87 (RED)
●	LD462	48T65477W02	SML-010LTT87 (RED)
	Capacitors		
	C441	08E22087S01	CP., 0.047μF
	E441	23E22116S01	ELY., 22μF / 6.3V
	C442	08E08423S06	CP., 680pF
	Resistors (All resistors are chip 1/10W±5% unless otherwise noted.)		
	R401	06E20903S01	10K ohm
	R402	06E20903S01	10K ohm
	R403	06E20903S01	10K ohm
	R404	06E20903S01	10K ohm
	R405	06E20903S01	10K ohm
	R412	06E22049S01	1.2K ohm
	R413	06E21164S01	1.5K ohm
	R414	06E22051S01	2.2K ohm
	R415	06E22053S01	3.3K ohm
	R416	06E22111S01	5.6K ohm
	R417	06E22112S01	11K ohm
	R418	06E22061S01	33K ohm
	R422	06E22049S01	1.2K ohm
	R423	06E21164S01	1.5K ohm
	R424	06E22051S01	2.2K ohm
	R425	06E22053S01	3.3K ohm
	R426	06E22111S01	5.6K ohm
	R427	06E22112S01	11K ohm
	R428	06E22061S01	33K ohm
	R432	06E22049S01	1.2K ohm
	R433	06E21164S01	1.5K ohm
	R434	06E22051S01	2.2K ohm

Note : ○ : For TDM-7534 Model Only, ● : For TDM-7534E Model Only,
□ : For TDM-7532 Model Only, ■ : For TDM-7532E Model Only,
△ : For TDM-7531 Model Only, ▲ : For TDM-7531E Model Only, Others : Common.

Symbol No.	Part No.	Description
R435	06E22053S01	3.3K ohm
○ R436	06E22111S01	5.6K ohm
● R436	06E22111S01	5.6K ohm
○ R437	06E22112S01	11K ohm
● R437	06E22112S01	11K ohm
R451	06E22048S01	1K ohm
R452	06E22048S01	1K ohm
R453	06E22048S01	1K ohm
R454	06E22048S01	1K ohm
R455	06E22062S01	47K ohm
R460	06E22113S01	22 ohm 1/4W
R461	06E22113S01	22 ohm 1/4W
R462	06E22114S01	27 ohm 1/4W
R463	06E22114S01	27 ohm 1/4W
R464	06E22113S01	22 ohm 1/4W
R465	06E22113S01	22 ohm 1/4W
R466	06E22113S01	22 ohm 1/4W
R467	06E22113S01	22 ohm 1/4W
R468	06E22073S01	330 ohm 1/4W
○ R469	06E22115S01	100 ohm 1/4W
● R469	06E22115S01	100 ohm 1/4W
R470	06E22113S01	22 ohm 1/4W
R471	06E22113S01	22 ohm 1/4W
R472	06E22113S01	22 ohm 1/4W
R473	06E22073S01	330 ohm 1/4W

DIN P. C. Board

Transistor / Diode

Q544	48E10426S01	CP., DTC124EK
D544	48T68828F01	Diode, 1SS133

Capacitor / Resistors

C541	08E22079S01	Capacitor, CP. 330pF
R546	06E22036S01	CP., 22K ohm 1/8W
R547	06E20752S01	CP., 220 ohm 1/4W

△▲GR Control P. C. Board

IC's

IC1201	51T64606F02	TA7705F
IC1701	51T25621W02	AN6275NK

Transistor / Diode

Q1701	48T84366F05	2SB1243
D1201	48T44813F01	Diode, MA165TA

Capacitors

C1201	08S53332F31	CP., 470pF
E1201	23S82482F02	ELY., 100μF / 16V
C1202	08S53332F31	CP., 470pF
E1202	23S61523F12	ELY., 10μF / 16V
or	23T55402W15	ELY., 10μF / 16V
C1203	08S53332F31	CP., 470pF
E1203	23S61523F07	ELY., 47μF / 6.3V
or	23T55402W07	ELY., 47μF / 6.3V
C1204	08S53332F31	CP., 470pF
E1204	23S61523F07	ELY., 47μF / 6.3V
or	23T55402W07	ELY., 47μF / 6.3V
C1205	08S53332F48	CP., 0.012μF
E1205	23S61523F17	ELY., 4.7μF / 25V
or	23T55402W20	ELY., 4.7μF / 25V
C1206	08S53332F48	CP., 0.012μF
E1206	23S61523F17	ELY., 4.7μF / 25V
or	23T55402W20	ELY., 4.7μF / 25V

Resistors (All resistors are chip 1/8W±5% unless otherwise noted.)

R1201	06S53330F29	100 ohm
R1202	06S53330F65	3.3K ohm
R1203	06S53330F32	130 ohm
R1204	06S53330F32	130 ohm
R1205	06S64996F14	330K ohm1/10W
R1206	06S64996F14	330K ohm1/10W
R1207	06S64995F78	11K ohm1/10W
R1208	06S53330F78	11K ohm
R1209	06S53330F81	15K ohm
R1210	06S53330F81	15K ohm
R1211	06S53330F65	3.3K ohm

Note : ○ : For TDM-7534 Model Only, ● : For TDM-7534E Model Only,
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△ : For TDM-7531 Model Only, ▲ : For TDM-7531E Model Only, Others : Common.

○●□■ GR Control P. C. Board

IC's / Transistors

Symbol No.	Part No.	Description
IC1501	51T25621W02	IC, AN6275NK
IC1502	51T67915F01	IC, M51143AL
Q1501	48T84366F05	2SB1243
Q1502	48T94606F12	CP., DTC144TU

Capacitors

Symbol No.	Part No.	Description
E1501	23S61524F32	ELY., 1μF / 50V
or	23T55521W34	ELY., 1μF / 50V
C1502	08T35374W01	CP., 0.1μF
C1503	08T35374W01	CP., 0.1μF
C1504	08T35374W01	CP., 0.1μF
C1505	08S61528F15	CP., 15pF

Resistors (All resistors are chip 1/10W±5% unless otherwise noted.)

Symbol No.	Part No.	Description
R1501	06S64995F77	10K ohm
R1502	06S64995F77	10K ohm
R1503	06S64996F10	220K ohm
R1504	06S64996F26	1M ohm
R1505	06S64996F18	470K ohm
R1506	06S64996F01	91K ohm

○●□■ GR Audio P. C. Board

IC / Diode

Symbol No.	Part No.	Description
IC1201	51T15146W01	IC, TA7705P
D1201	48T44813F01	MA165TA

Capacitors

Symbol No.	Part No.	Description
E1201	23S61524F13	ELY., 10μF / 16V
or	23T55521W15	ELY., 10μF / 16V
C1202	08S72783F27	CP., 220pF
E1202	23S61524F08	ELY., 100μF / 6.3V
or	23T55521W07	ELY., 100μF / 6.3V
C1203	08S72783F27	CP., 220pF
E1203	23S61524F08	ELY., 100μF / 6.3V
or	23T55521W07	ELY., 100μF / 6.3V
C1204	08S72783F27	CP., 220pF
E1204	23S82482F02	ELY., 100μF / 16V
or	23T55521W19	ELY., 100μF / 16V
C1205	08S72783F27	CP., 220pF
E1205	23S61524F18	ELY., 4.7μF / 25V
or	23T55521W20	ELY., 4.7μF / 25V
E1206	23S61524F18	ELY., 4.7μF / 25V
or	23T55521W20	ELY., 4.7μF / 25V
C1208	08T35122W02	TF, 0.012μF
C1209	08T35122W02	TF, 0.012μF

Resistors (All resistors are chip 1/10W±5% unless otherwise noted.)

Symbol No.	Part No.	Description
R1201	06S53330F29	100 ohm 1/8W
R1202	06S53330F32	130 ohm 1/8W
R1203	06S53330F32	130 ohm 1/8W
R1204	06S64996F14	330K ohm
R1205	06S64996F14	330K ohm
R1208	06S64995F79	12K ohm
R1209	06S64995F79	12K ohm
R1210	06S64995F81	15K ohm
R1211	06S64995F81	15K ohm
R1212	06S64995F65	3.3K ohm
R1213	06S53330F65	3.3K ohm 1/8W
R1214	06S53330F85	22K ohm 1/8W
R1215	06S64995F85	22K ohm

Miscellaneous

Symbol No.	Part No.	Description
○ CB401	09T75038W16	16Pin Connector
● CB401	09T75038W16	16Pin Connector
□ CB401	09T75038W14	16Pin Connector
■ CB401	09T75038W14	16Pin Connector
△ CB401	09T75038W14	16Pin Connector
▲ CB401	09T75038W14	16Pin Connector
CH401	09T75039W16	16Pin Connector
ET001	01E22125S01	Antenna Receptacle
○ ET201	01E22166S01	Output RCA Connector
● ET201	01E22166S01	Output RCA Connector
□ ET201	01E22385S01	Output RCA Connector
■ ET201	01E22385S01	Output RCA Connector
△ ET201	01E22385S01	Output RCA Connector
▲ ET201	01E22385S01	Output RCA Connector
ET801	09E22023S01	Power Supply Connector

Note : ○ : For TDM-7534 Model Only, ● : For TDM-7534E Model Only,
□ : For TDM-7532 Model Only, ■ : For TDM-7532E Model Only,
△ : For TDM-7531 Model Only, ▲ : For TDM-7531E Model Only, Others : Common.

Symbol No.	Part No.	Description
○ HD1101	88T15971W01	Head
● HD1101	88T15971W01	Head
□ HD1101	88T15971W01	Head
■ HD1101	88T15971W01	Head
△ HD1101	88T10373W01	Head
▲ HD1101	88T10373W01	Head
JK502	09T16653W01	DIN, Socket
LCD401	65T75144W01	LCD Display
○ M1501	01V51800W42	Assy., Main Motor (13.2V-105mA)
● M1501	01V51800W42	Assy., Main Motor (13.2V-105mA)
□ M1501	01V51800W42	Assy., Main Motor (13.2V-105mA)
■ M1501	01V51800W42	Assy., Main Motor (13.2V-105mA)
△ M1501	01V53200W99	Assy., Main Motor (13.2V-105mA)
▲ M1501	01V53200W99	Assy., Main Motor (13.2V-105mA)
PT1501	51T15144W01	Sensor, Photo ON2170-R
S1501	40T15222W01	Switch, Detector (PACK IN)
S1502	40T15382W01	Switch, Detector (PACK DOWN)
S1503	40T15382W01	Switch, Detector (METAL)
SD1501	01T10369W02	Assy., Eject Solenoid
SD1502	01T15249W01	Assy., Play Solenoid
SD1503	01T10371W01	Assy., RF Solenoid

Symbol No.	Part No.	Description

Note : ○ : For TDM-7534 Model Only, ● : For TDM-7534E Model Only,
□ : For TDM-7532 Model Only, ■ : For TDM-7532E Model Only,
△ : For TDM-7531 Model Only, ▲ : For TDM-7531E Model Only, Others : Common.

Cabinet Assembly Parts List

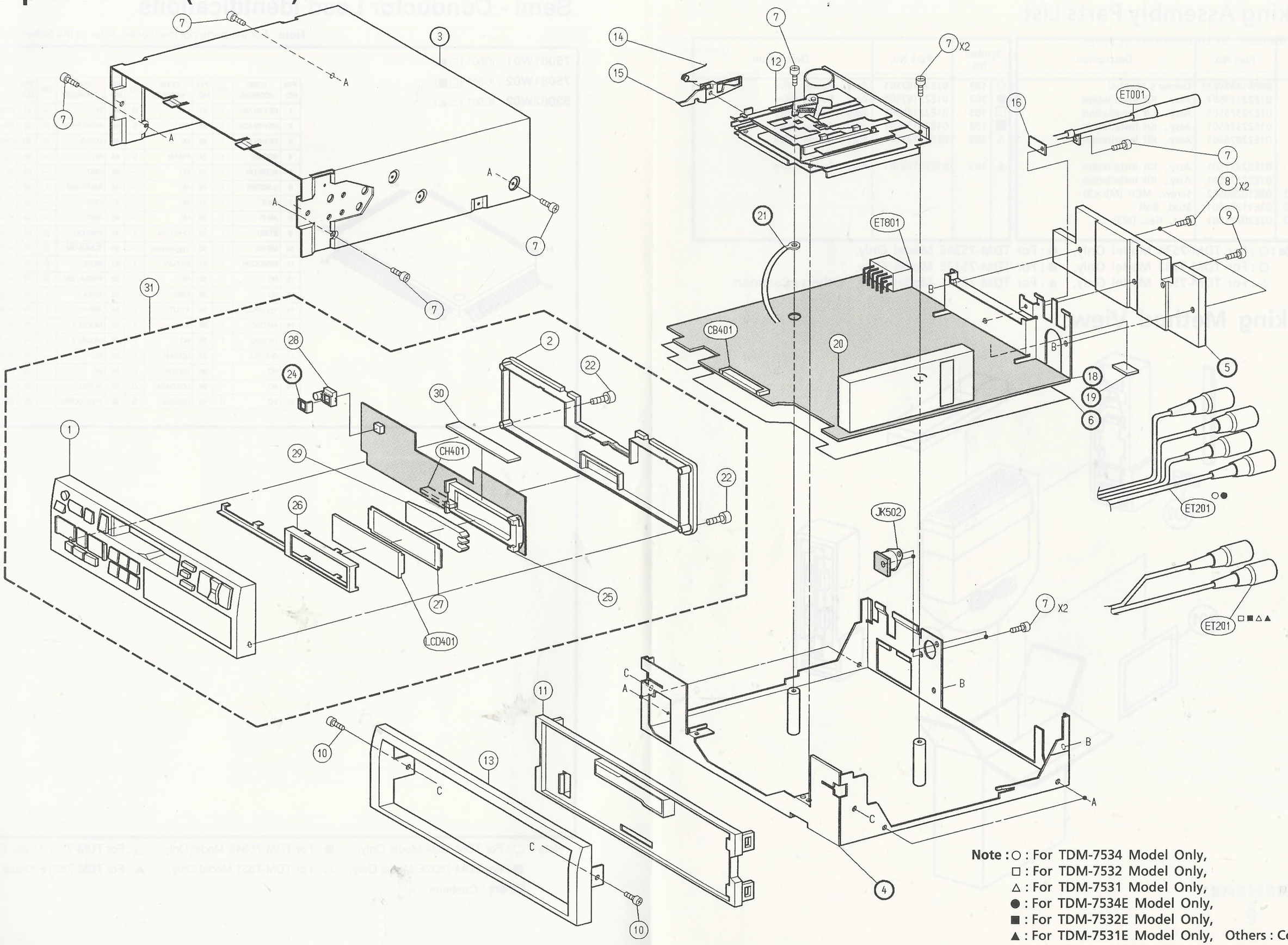
Note : No parts number on parts list are not supplied.

Symbol No.		Index	Part No.	Description
○	1	3-A	13D70279W01	Assy., Nosepiece
●	1	3-A	13D70279W02	Assy., Nosepiece
□	1	3-A	13D70279W04	Assy., Nosepiece
■	1	3-A	13D70279W05	Assy., Nosepiece
△	1	3-A	13D70279W07	Assy., Nosepiece
▲	1	3-A	13D70279W08	Assy., Nosepiece
	2	3-D	13D70291W01	Nose, Bottom
	7		03E09416S05	Screw, Pan (M2.6×6)
	8	2-G	03E22117S01	Screw, Pan (M2.6×8)
	9	2-G	03E22118S01	Screw, Pan (M2.6×14)
	10		03E22113S01	Screw, Pan (M2.6×6)
	11	4-D	13C70374W01	Assy., Front Escutcheon
○	12	1-E	81D40887W02	Cassette Deck, GR75H120
●	12	1-E	81D40887W02	Cassette Deck, GR75H120
□	12	1-E	81D40887W02	Cassette Deck, GR75H120
■	12	1-E	81D40887W02	Cassette Deck, GR75H120
△	12	1-E	81D50232W01	Cassette Deck, GR75H110
▲	12	1-E	81D50232W01	Cassette Deck, GR75H110
	13	5-C	33C70276W01	Assy., Face Plate
	14	1-D	41A20424W01	Spring, Door
	15	1-D	45C61079W01	Lever, Door
	16	1-F	26E22119S01	Sheet, GND
○	20	3-E	77E22126S01	FM / AM Tuner Unit, MB4A4050 (FE001)
●	20	3-E	77E22378S01	FM / AM Tuner Unit, MB4E4050 (FE001)
□	20	3-E	77E22126S01	FM / AM Tuner Unit, MB4A4050 (FE001)
■	20	3-E	77E22378S01	FM / AM Tuner Unit, MB4E4050 (FE001)
△	20	3-E	77E22126S01	FM / AM Tuner Unit, MB4A4050 (FE001)
▲	20	3-E	77E22378S01	FM / AM Tuner Unit, MB4E4050 (FE001)
	22		03E22134S01	Screw, Tapping (M1.7×10)
	25	4-D	15B70308W01	Case, LCD
	26	3-B	15B70852W01	Cover, LCD
	27	4-C	26A70309W01	Reflector, Sheet (A)
	28	3-B	43A70369W01	Spacer, Remote
	29	3-B	61A70307W01	Lens, LCD
	30	3-C	75T75143W01	Rubber, Connector
○	31	2-B	01E22379S01	Assy., Nose Unit
●	31	2-B	01E22380S01	Assy., Nose Unit
□	31	2-B	01E22381S01	Assy., Nose Unit
■	31	2-B	01E22382S01	Assy., Nose Unit
△	31	2-B	01E22383S01	Assy., Nose Unit
▲	31	2-B	01E22384S01	Assy., Nose Unit

Symbol No.	Index	Part No.	Description

Note : ○ : For TDM-7534 Model Only, ● : For TDM-7534E Model Only,
□ : For TDM-7532 Model Only, ■ : For TDM-7532E Model Only,
△ : For TDM-7531 Model Only, ▲ : For TDM-7531E Model Only, Others : Common.

Exploded View (Cabinet)



Note : ○ : For TDM-7534 Model Only,
□ : For TDM-7532 Model Only,
△ : For TDM-7531 Model Only,
● : For TDM-7534E Model Only,
■ : For TDM-7532E Model Only,
▲ : For TDM-7531E Model Only, Others : Common.

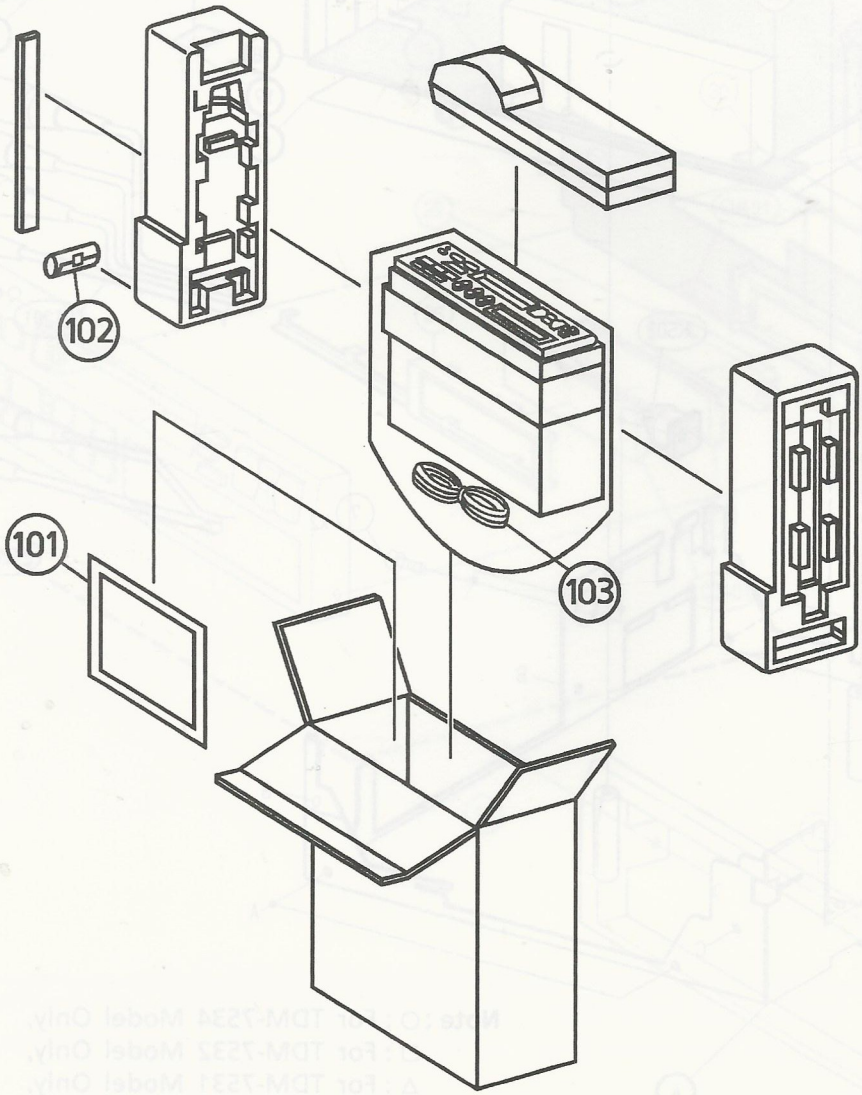
Packing Assembly Parts List

Symbol No.		Part No.	Description
	101	68P61487W22	Owner's Manual
○	102	01E22375S01	Assy., Kit Installation
●	102	01E22375S01	Assy., Kit Installation
□	102	01E22376S01	Assy., Kit Installation
■	102	01E22376S01	Assy., Kit Installation
△	102	01E22377S01	Assy., Kit Installation
▲	102	01E22377S01	Assy., Kit Installation
	102-1	03E10240S02	Screw, MCH (M5×8)
	102-2	03E11374S01	Stud, Bolt
	102-3	02E20771S01	Nut, Hex. (M5)

Symbol No.		Part No.	Description
○	103	01E22167S01	Assy., Power Wire
●	103	01E22167S01	Assy., Power Wire
□	103	01E22135S01	Assy., Power Wire
■	103	01E22135S01	Assy., Power Wire
△	103	01E22135S01	Assy., Power Wire
▲	103	01E22135S01	Assy., Power Wire

Note : ○ : For TDM-7534 Model Only, ● : For TDM-7534E Model Only,
□ : For TDM-7532 Model Only, ■ : For TDM-7532E Model Only,
△ : For TDM-7531 Model Only, ▲ : For TDM-7531E Model Only, Others : Common.

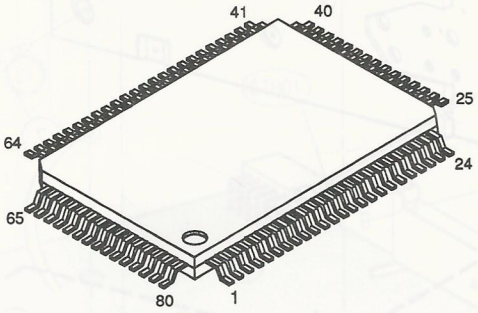
Packing Method View



Semi - Conductor Lead Identifications

Note : For the parts not mentioned, refer to the Schematic Diagram.

75081W01 : IC501 (○●)
75081W02 : IC501 (□■)
53082W02 : IC501 (△▲)



PIN NO.	CODE ADDRESS	I/O	PIN NO.	CODE ADDRESS	I/O	PIN NO.	CODE ADDRESS	I/O	PIN NO.	CODE ADDRESS	I/O
1	KEY-IN AD1	I	21	L/$\overline{D}$	O	41	NC	—	61	GND	—
2	KEY-IN AD2	I	22	REQ	O	42	NOSE PWR	O	62	REM IND	O
3	KEY-IN AD3	I	23	NC	—	43	LCD+B	O	63	CHG.D.OUT	O
4	ACC+5V	I	24	FM/$\overline{AM}$	O	44	NC	—	64	V_{DD}	—
5	NOSE ON	I	25	NC	—	45	GND	—	65	NC	—
6	S.METER	I	26	NC	—	46	AM ST-IND	I	66	NC	—
7	FM IF	I	27	NC	—	47	GND	—	67	EV CLK	O
8	AM IF	I	28	NC	—	48	GND	—	68	EV DATA	O
9	$\overline{ST}$/SD	I	29	CHG.D.IN	I	49	PWR ON	O	69	PLAY SOL	O
10	METAL	I	30	V_{DD} (DIGITAL)	—	50	$\overline{TUNER\ ON}$	O	70	RF SOL	O
11	REMOCON	I	31	BAT+5V	I	51	MUTE	O	71	EJECT SOL	O
12	NC	—	32	NC	—	52	PWR-IC ON	O	72	M. CONT	O
13	NC	—	33	GND	—	53	AREA 1	I	73	PACK DN	I
14	V_{DD} (PLL)	—	34	X OUT	O	54	AREA 2	I	74	RUN DET	I
15	AM OSC	I	35	X IN	I	55	MODEL 1	I	75	PACK IN	I
16	FM OSC	I	36	NC	—	56	MODEL 2	I	76	MS DET	I
17	GND PLL	—	37	$\overline{LCD\ INH}$	O	57	NC	—	77	O.MOTOR	O
18	NC	—	38	LCD CE	O	58	NC	—	78	F/$\overline{R}$	O
19	NC	—	39	LCD DATA	O	59	IN PAU	I	79	O.FAST	O
20	EO	O	40	LCD CLK	O	60	PULL DOWN	—	80	$\overline{DOLBY}$	O

Note : ○ : For TDM-7534 Model Only, ● : For TDM-7534E Model Only, □ : For TDM-7532 Model Only,
■ : For TDM-7532E Model Only, △ : For TDM-7531 Model Only, ▲ : For TDM-7531E Model Only,
Others : Common.