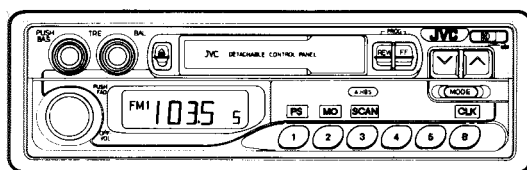


# JVC

## SERVICE MANUAL

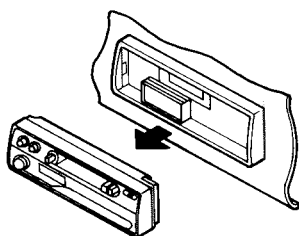
### CASSETTE CAR RECEIVER

## KS-RT35 U



Basic mechanism

KS-RT30



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# Instructions (Extraction)

## Features

- Detachable Control Panel
- AM/FM-Stereo PLL Synthesizer Tuner
- 20-Station Preset Tuning (FM-15, AM-5)
- P.SCAN/Scan/Seek/Manual Tuning
- U-Turn Auto-Reverse Mechanism
- Maximum Power Output of 8W per channel (2-channel)
- Active Hyper Bass Sound Button
- Fader Control
- Clock Button
- Mono Button

## Specifications

### AUDIO AMPLIFIER SECTION

Maximum Power Output:  
 8 watts per channel (2-channel)  
 5 watts per channel (4-channel)  
 Continuous Power Output (RMS):  
 3 watts per channel into 4 ohms, 100 to 20,000 Hz at no more than 0.8% THD (2-channel)  
 Load impedance: 4 Ω (4 – 8 Ω Allowable)  
 Tone control Range  
 Bass: ±10 dB at 100Hz  
 Treble: ±10 dB at 10 kHz  
 Frequency Response: 40 – 20,000 Hz  
 Signal-to-Noise Ratio: 60 dB

### RADIO SECTION

Frequency Range  
 FM: 87.5 – 107.9 MHz (C/J)  
 (with channel interval set to 200 kHz)  
 87.5 – 108.0 MHz (C/J)  
 (with channel interval set to 50 kHz)  
 87.5 – 108.0 MHz (A/U)  
 AM: 530 – 1,710 kHz (C/J)  
 (with channel interval set to 10 kHz)  
 522 – 1,620 kHz (C/J)  
 (with channel interval set to 9 kHz)  
 531 – 1,602 kHz (A/U)

### [FM Tuner]

Usable Sensitivity: 15.3 dBf (1.6 μV/75Ω)  
 50 dB Quieting Sensitivity: 18.8 dBf (2.4 μV/75Ω)  
 Alternate Channel Selectivity: (400 kHz) 65 dB  
 Frequency Response: 40 – 15,000 Hz  
 Stereo Separation : 35 dB  
 Capture Ratio: 2.0 dB

### [AM Tuner]

Sensitivity: 20 μV  
 Selectivity: 35 dB

### CASSETTE DECK SECTION

Wow & Flutter: 0.11 % (WRMS)  
 Fast Wind Time: 100 sec. (C-60)  
 Frequency Response: 50 – 14,000 Hz (±3 dB)  
 Signal-to-Noise Ratio: 52 dB  
 Stereo Separation: 40 dB

### GENERAL

Power Requirement  
 Operating Voltage: DC 14.4 V (11 V – 16 V Allowable)  
 Grounding System: Negative Ground  
 Dimensions (W x H x D)  
 Installation Size: 182 x 52 x 152 mm  
 (7-3/16" x 2-1/16" x 6")  
 Panel Size: 189 x 58 x 15 mm  
 (7-1/2" x 2-5/16" x 5/8")  
 Gross Weight: 1.8 kg (4.0 lbs)

*Design and specifications subject to change without notice.*

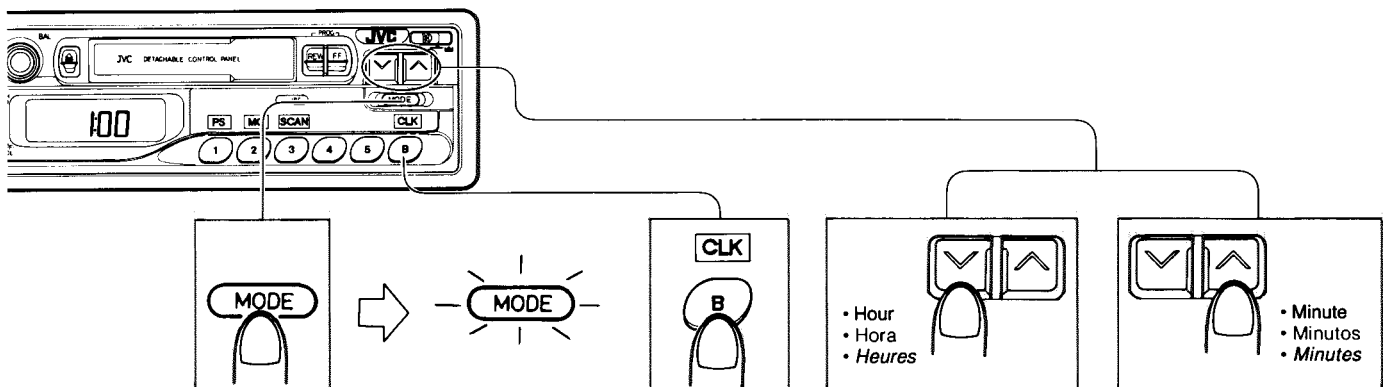
If a kit is necessary for your car, consult your telephone directory for the nearest car audio speciality shop.

## Digital Clock Display

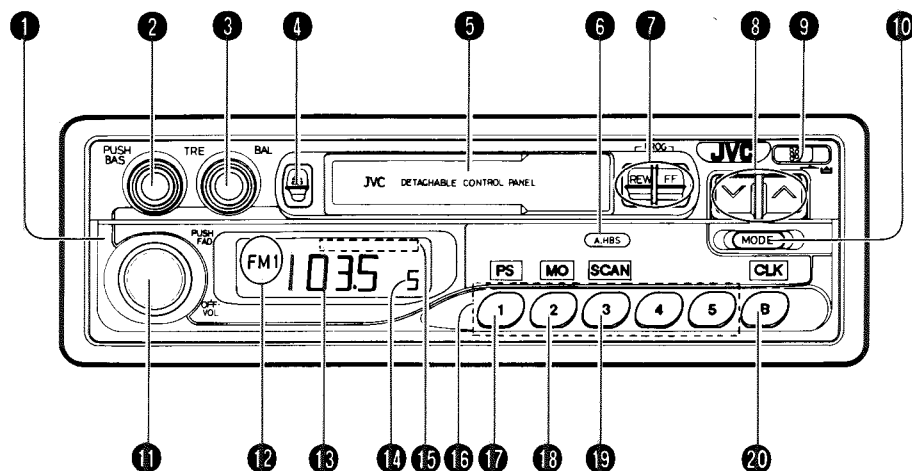
When the MODE button is pressed or the tape is loaded, the MODE button lights red. Each time the CLK button is pressed while the button is lit, the time mode, tuner mode or tape mode (when the tape is loaded) is engaged. When the radio is operated in the time mode, the display will switch to frequency, then, after a short time, it will return to the time mode. When listening to a tape, the "TAPE" or time mode is shown on the display.

### • To adjust the time

When the display is in the time mode with the MODE button lit in red, while keeping the CLK button pressed, press the Hour adjustment button (∨) to adjust the "hours" and press the Minute adjustment button (∧) to adjust the "minutes."



## Location of controls

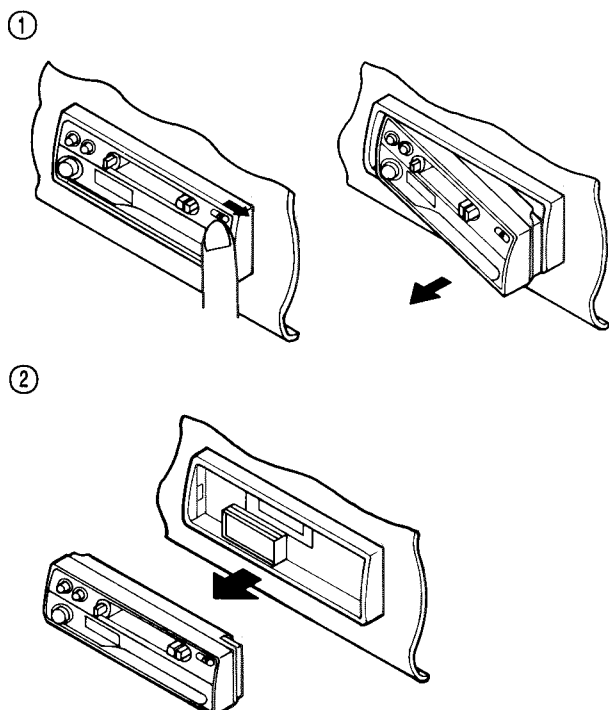


- |   |   |   |
|---|---|---|
| <ul style="list-style-type: none"> <li>① Control panel</li> <li>② Treble (TRE)/Push bass (PUSH BAS) control</li> <li>③ Balance (BAL) control</li> <li>④ Eject (▲) button</li> <li>⑤ Cassette loading slot</li> <li>⑥ Active Hyper Bass Sound button (A.HBS)</li> <li>⑦ Program (PROG)/REW, FF buttons</li> <li>⑧ Tuning/Time adjustment buttons<br/>(∨) frequency/hour adjustment<br/>(∧) frequency/Minute adjustment</li> <li>⑨ Control panel release (⏏) switch</li> <li>⑩ MODE button</li> </ul> | <ul style="list-style-type: none"> <li>⑪ Power on-OFF/volume (VOL)/Push fader (PUSH FAD) control</li> <li>⑫ Band indicator (AM-FM1-FM2-FM3)</li> <li>⑬ Radio frequency/Time display<br/>TAPÉ mode display</li> <li>⑭ Preset station display</li> <li>⑮ Indicators<br/>MO (Mono)<br/>ST (FM Stereo)<br/>◀▶ (Tape direction)</li> <li>⑯ Preset station buttons (No.1 – No.5)</li> <li>⑰ Preset scan (PS) button</li> <li>⑱ Mono (MO) button</li> <li>⑲ Scan (SCAN) button</li> <li>⑳ Band (B) button</li> </ul> | <ul style="list-style-type: none"> <li>• Press the following buttons after the MODE button has been pressed and its indicator is lit red. When 5 seconds have elapsed after completion of an operation, the MODE button's red indicator will go out.</li> </ul> |
|---|---|---|

## Detach and attach the Control Panel

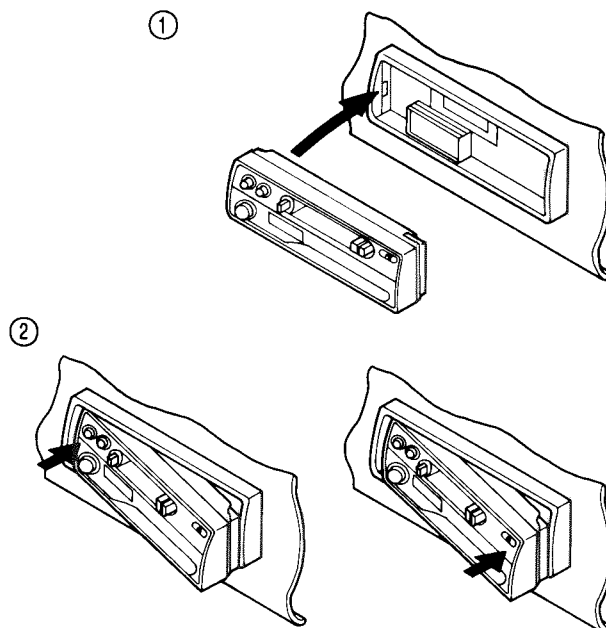
### TO DETACH THE CONTROL PANEL

- ① Slide the control panel release (⏏) switch in the direction of arrow to detach the control panel.
- ② Pull the control panel out of the main unit as shown in the figure below.
  - After detaching the control panel, put it in the case provided for protection.



### TO ATTACH THE CONTROL PANEL

- ① Align the left side of the control panel to the left side of the holder.
- ② Press the left side of the control panel first, then press the right side to set correctly.


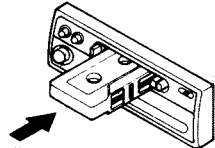

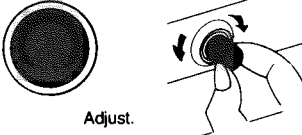
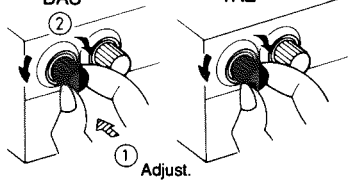
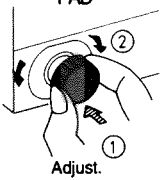


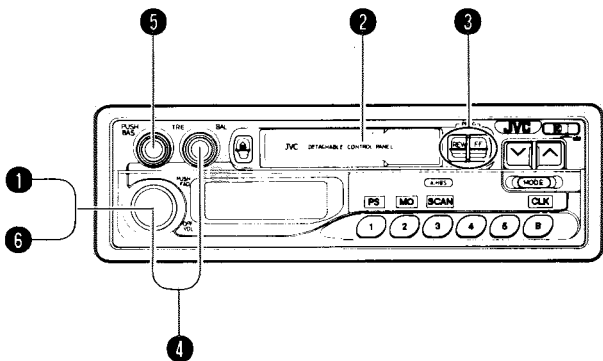
### Note:

- Be careful not to damage the connector terminals when attaching/detaching the control panel or while the control panel is detached.

## ■ Tape Operation

Operate in the order shown.

<p>1 OFF - VOL</p>  <p>Switch on.</p>	<p>2</p>  <p>Insert a cassette.</p>	<p>3 PROG</p>  <p>Select program.</p>	<p>4 VOL BAL</p>  <p>Adjust.</p>
<p>5 PUSH BAS TRE</p>  <p>Adjust.</p>		<p>6 PUSH FAD</p>  <p>Adjust.</p>	



## TO FAST FORWARD AND REWIND THE TAPE


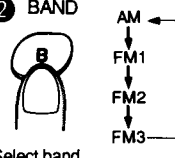
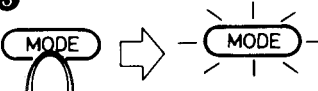
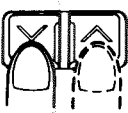
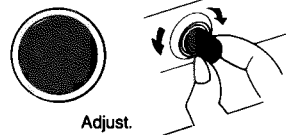
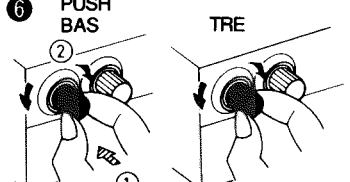
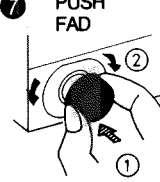
Press the FF button to fast forward the side being played back; when the end of the tape is detected, the tape is reversed and played back from the beginning of the other side. Press the REW button to rewind the tape. When the tape is rewound to the beginning, it is played back again. Lightly press the other PROG button to start play from the current position during the fast forward or rewind mode.

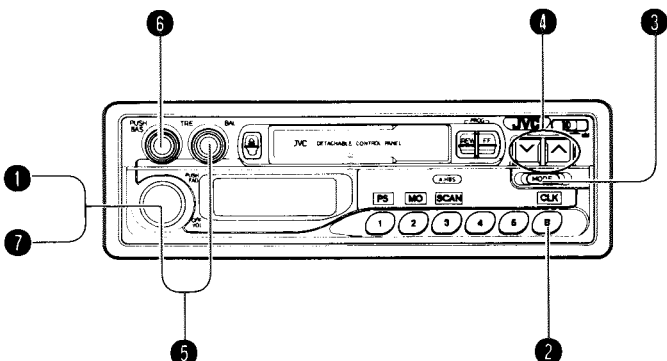
## AUTO-REVERSE MECHANISM

When the tape reaches the end of one side, this mechanism automatically switches over to play back the other side. To listen to the other side while playing one side, press the PROG buttons. The change in the tape transport direction can be checked from the Tape Direction indicators.

## ■ Radio Operation

Operate in the order shown.

<p>1 OFF - VOL</p>  <p>Switch on.</p>	<p>2 BAND</p>  <p>Select band.</p>	<p>3</p>  <p>Set to the manual mode.</p>	<p>4</p>  <p>Tune.</p>	<p>5 VOL BAL</p>  <p>Adjust.</p>
<p>6 PUSH BAS TRE</p>  <p>Adjust.</p>		<p>7 PUSH FAD</p>  <p>Adjust.</p>		



### MANUAL TUNING

Set to the manual mode using the MODE button. When the MODE button's light is red, the unit is in the manual mode. Then, by pressing the Tuning button, you can move up and down the frequency band. The frequency band is scanned as long as either button is pressed. You can step through the frequency in 200 kHz/50 kHz units (C/J version) or 100 kHz units (A/U version) for FM and 10 kHz/9 kHz units (C/J version) or 9 kHz units (A/U version) for AM.

- When approx. 5 seconds have elapsed after completion of manual tuning operations, the unit switches back to the seek mode and the MODE button's red indicator goes out.



### SEEK TUNING

The unit is set to the seek mode when the MODE button's red indicator goes out. Then, by pressing the ^ or v button the unit tunes to the adjacent station with a higher or lower frequency.

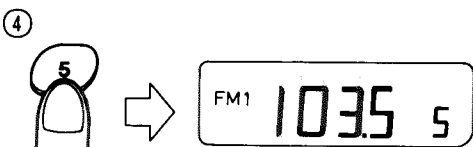
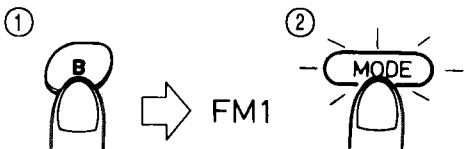
### SCAN BUTTON TUNING

Press the MODE button to light the MODE button's red indicator. While the red indicator is lit, press the SCAN button for automatic scanning of the FM and AM frequency bands. When this button is pressed, each station is monitored for approx. 5 seconds, and the frequency flashes during this time. After 5 seconds have elapsed, the frequency is advanced to the next station which in turn is monitored for 5 seconds. To stop scanning, press the SCAN button again.

### PRESET BUTTON TUNING

5 stations in each band (FM1, FM2, FM3 and AM) can be preset as follows;

- Example (when presetting Preset Station button "5" to FM station at 103.5 MHz)



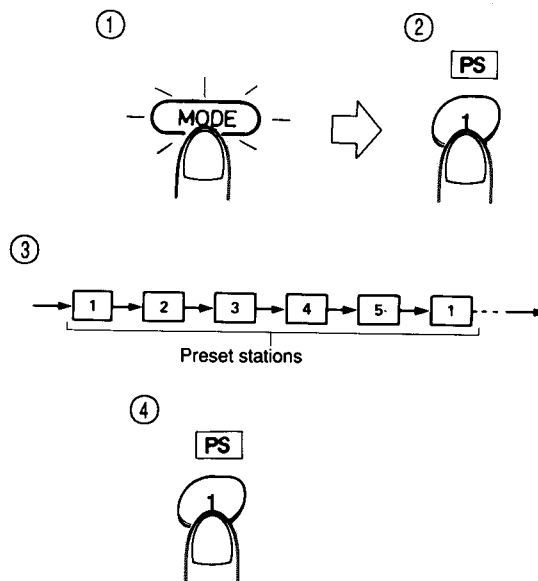
- 1 Select the FM1 band using the Band (B) button.
  - 2 Set to the manual mode.
  - 3 Tune to the desired station.
  - 4 Press Preset Station button "5" for more than 2 sec. (When "5" flashes in the Preset Station display, the station is preset.)
- Repeat the above procedure for each of the other 4 stations using a different Preset Station button each time.
  - Follow the above procedure for the other bands (FM2, FM3 and AM).

#### Notes:

- The previous preset station is erased when a station is newly preset because the new station is stored in memory.
- The preset station is erased when the power supply to the memory circuit is interrupted during battery replacement, etc. When this occurs, preset the station again.

### PRESET SCAN BUTTON TUNING

This makes it possible to automatically scan preset FM and AM stations



- 1 Press the MODE button to light its red indicator.
- 2 While the red indicator is lit, press the PS button.
- 3 Scanning is performed in the order of preset stations in each frequency band (FM1, FM2, FM3 and AM). Each preset station is heard for approx. 5 seconds.
- 4 When the required station is heard and its frequency is flashing, press the PS button again.

**MONO BUTTON**

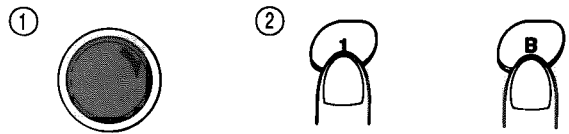
When listening to FM, set the MO button to stereo or mono after the MODE button has been pressed and its red indicator is lit.

**Note:**

Set to mono when a stereo FM broadcast is too noisy and cannot be heard satisfactorily.

**TO CHANGE THE INTERVALS BETWEEN CHANNELS (KS-RT35C/J)**

When this unit is shipped, the channel intervals are set to 10 kHz for AM and 200 kHz for FM. If the unit is used in an area other than North or South America, switch as follows.



- ① Switch on the POWER.
- ② While pressing the preset station button 1... Press the Band (B) button for more than 3 seconds.

Doing this sets the channel intervals to 9 kHz for AM and 50 kHz for FM.

\*To switch back to the original intervals, repeat the above operations.

**Electrical Connections**

**A. 4 – SPEAKER CONNECTIONS**

- When connecting the connector, firmly insert it till the click sound is heard.
- When disconnecting the connector, disengage the lock and pull out the connector.

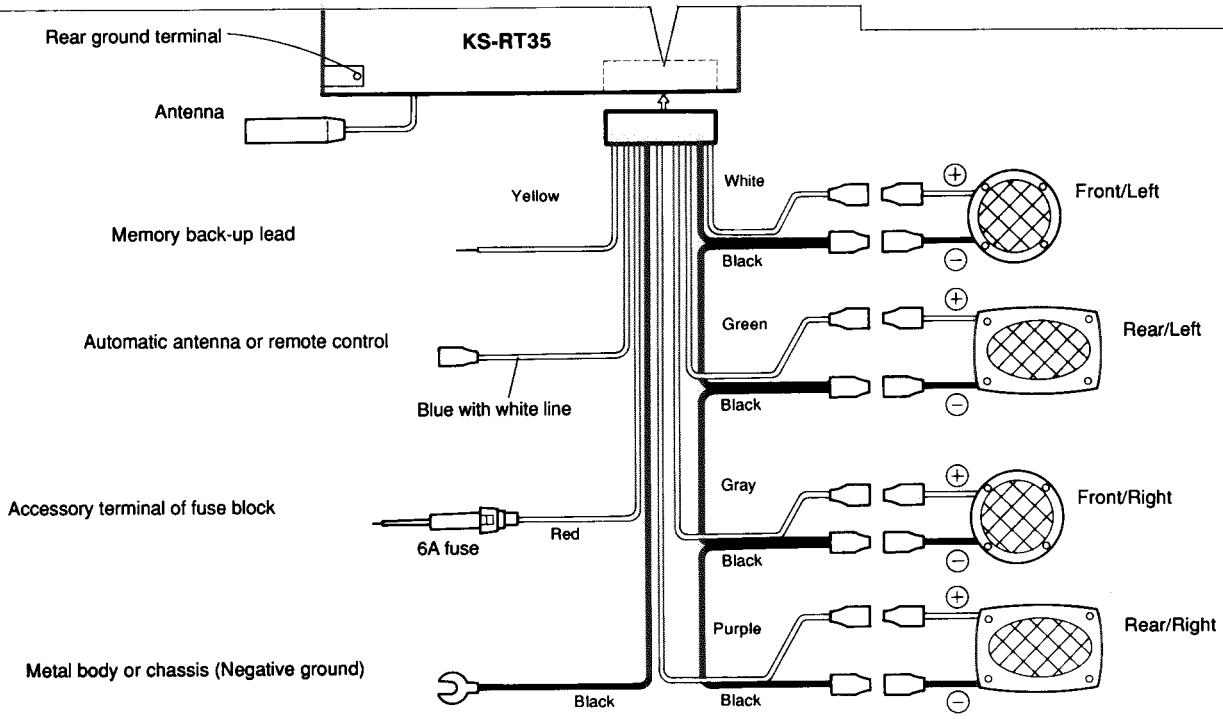


Fig. a

**To prevent short circuits, while making connections, keep the battery's negative terminal disconnected.**

We recommend that you make all electrical connections before installing the unit. If you're not sure how to correctly install this unit, have it installed by a qualified service technician.

**Note:**

This unit is designed for 12 volts DC, Negative Ground. If your vehicle does not have 12 volts negative ground electrical system you need a voltage inverter which can be bought from a JVC car audio dealer.

1. Don't connect speaker leads to the metal body or chassis.
  2. When not using the automatic antenna, cover the terminal with insulating tape to prevent the blue with white line (REMOTE) lead from shorting.
- Be sure to ground this unit to the car's chassis.

## B. 2-speaker connections

Two speakers can be connected to either the front or rear pair of speaker output terminals. Cover the terminals that are not used with insulating tape to prevent short-circuits.

## C. Automatic antenna connections

To use the automatic antenna, connect the automatic antenna terminal (Blue with white line (REMOTE) lead). For details on automatic antenna installation, see the automatic antenna's instruction manual.

## D. Memory back-up lead


Connect this lead to a position where live power is supplied even when the ignition key is taken out.

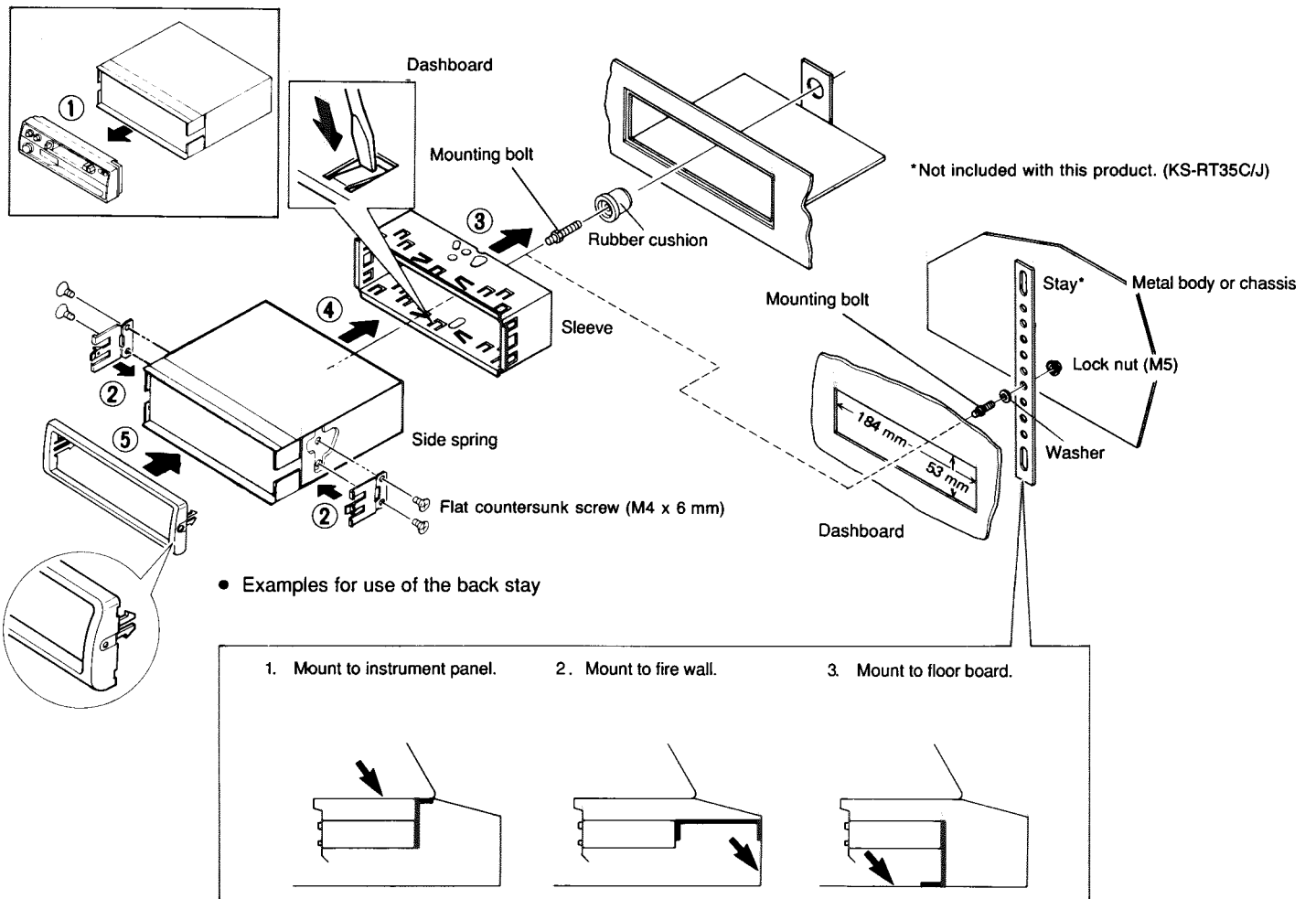
## E. Fader control

- **When used in a 4-speaker system**  
When the PUSH FAD control is turned counterclockwise, the sound will be heard from the front speakers, and when it is turned clockwise, from the rear speaker.
- **When used in a 2-speaker system**  
Set this control to the center position.


## ■ Installation (In – Dash Mounting)

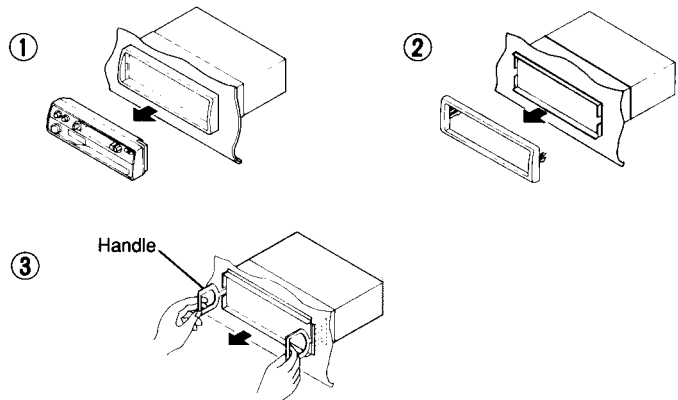
### IMPORTANT

- Before using this unit for the first time, press the Eject button fully, to reset the mechanism.
  - The following illustration shows a typical installation. However, you should make adjustments corresponding to your specific car. If you have any questions or require information regarding installation kits, consult your JVC car audio dealer or a company supplying kits.
- ① Remove the Control Panel by sliding the release switch (  ) to the right.
  - ② Attach the side springs.
  - ③ Install the sleeve in the dashboard.
    - After the sleeve is installed in the dashboard, select and bend the appropriate tabs to hold the sleeve firmly in place.
    - Next, mount the mounting bolt onto the rear of the unit's body and slide the rubber cushion onto this bolt.
  - ④ Slide the body of this unit into the sleeve so that they are locked together.
  - ⑤ Attach the trim plate.
- Follow the numbers for mounting.



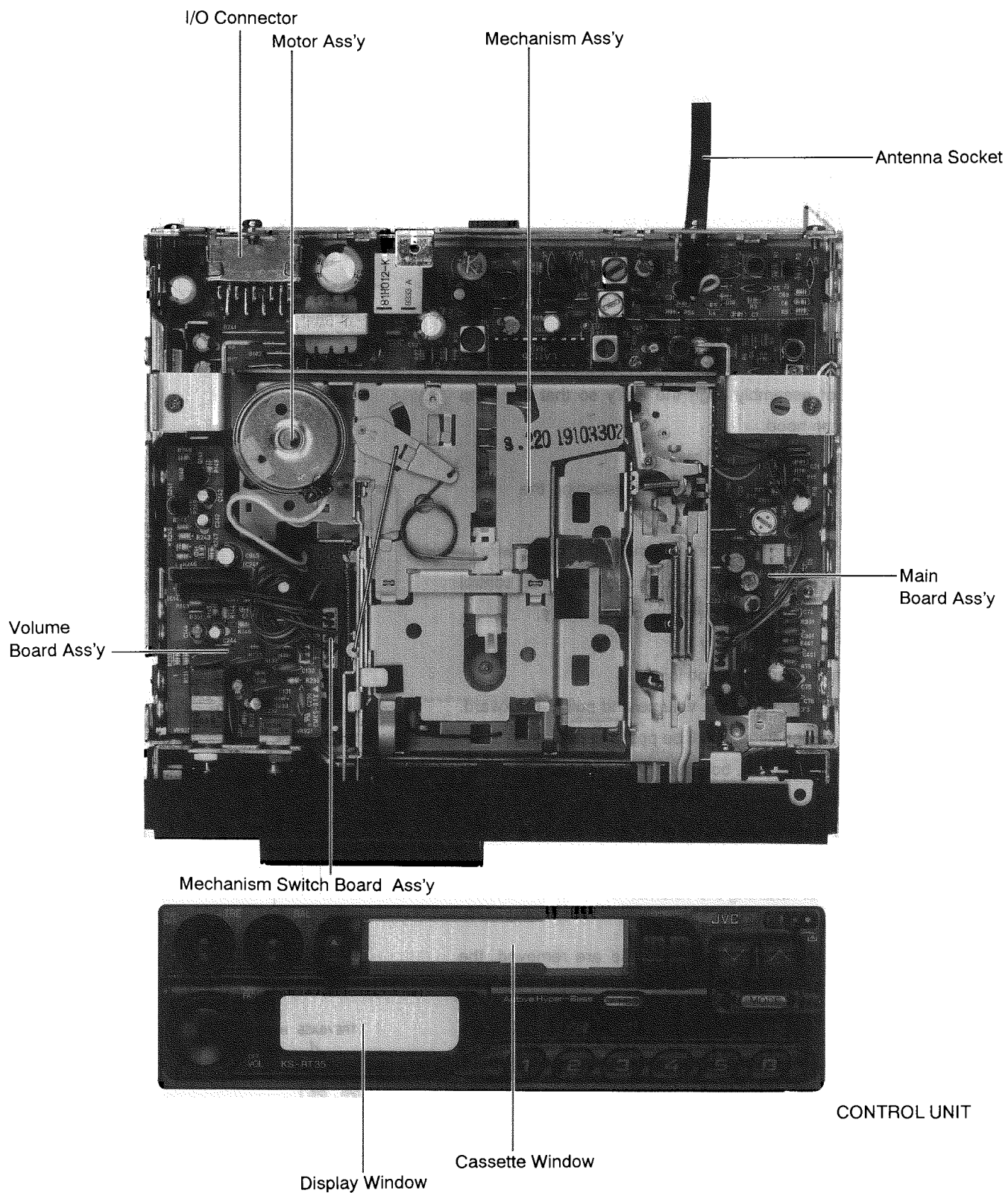
**Removing the body of unit**

- Before removing the body of this unit, remove the nut, connector, etc. retaining the rear section.
- ① Remove the Control Panel by sliding the release switch (  ) to the right.
- ② Remove the trim plate by pulling it forward.
- ③ As illustrated, insert the handles between the side springs and sleeve. Then, slide the unit out while pressing the handles toward each other.





# 1 Location of Main Parts



## 2 Removal of Main Parts

### ■ Enclosure section

#### ◆ Top and bottom cover

1. Remove the six claws (A~D) on the right, left and rear sides retaining the top cover.
2. Remove the six claws (G~J) on the right, left and rear sides retaining the bottom cover.

#### ◆ Control unit

1. Remove the eject knob by sliding it to the right side.

#### ◆ Nose piece ass'y

1. Remove the four claws (E and F) on the right and left side.
2. The nose piece ass'y is connected to the main p. c. board by a connector under the 『PROG』 button on the right side of the mechanism. Dismount the nose piece ass'y by pulling it in straight direction.

- ★ At the time of assembly align the ass'y so that the lamp enters the lamp hood.

#### ◆ Mechanism ass'y

1. Remove the four screws ① and ② retaining the mechanism ass'y.
2. Disconnect two connectors, namely, the head wire connector from the main p. c. board ass'y and the control connector from the mechanism p. c. board ass'y.

#### ◆ BASS/TRE. volume ass'y

1. Remove the shaft knob(knob joint)
  2. Loosen the nut retaining the volume and pull it backward.
- ★ Under these condition, it will be possible to change the parts on the main p. c. board ass'y.

#### ◆ Main volume

1. Remove the shaft knob(knob joint).
2. Remove the two screws ③ retaining the front bracket.
3. Remove the nut retaining the volume.

#### ◆ Control unit

1. When the screws retaining the case are removed, the retaining spring will be separated. Then, slowly disconnect the case.

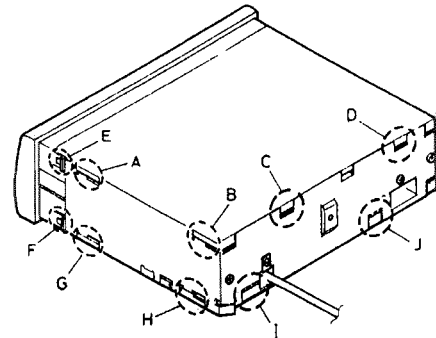


Fig 2 - 1

Detach the control unit

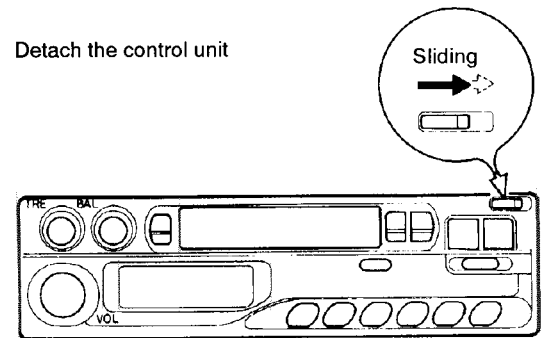


Fig 2 - 2

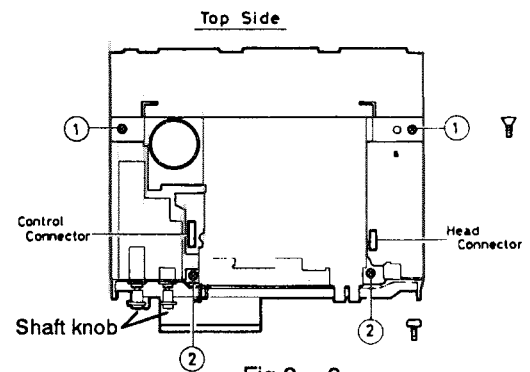


Fig 2 - 3

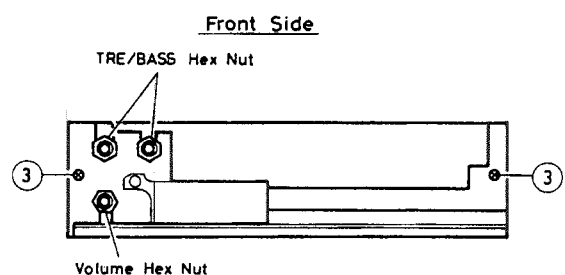


Fig 2 - 4

## ■ Mechanism Section

### ◆ Head Removal

1. Remove screw ① retaining the FR bracket.
2. Left the FR lever assembly up in the direction of the arrow and remove the FR lever assembly from the chassis slots.
3. Remove the screw ② retaining the head plate.
4. Remove two screws ③ retaining the head.
5. When replacing the head make sure to adjust screws(A~D) and perform head angle and height adjustment.

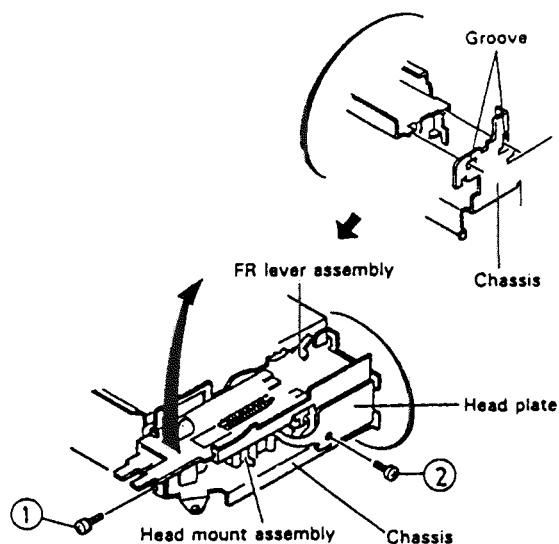


Fig. 2 - 5

### ◆ Pinch roller assembly

1. Remove the nylon washers retaining the left and right pinch rollers.
2. Pull out the pinch roller.

### ◆ Motor Assembly

Remove two screws(5) retaining the motor.

- ※ This operation is facilitated by leaving the belt hooked on to one of the chassis protrusions.

### ◆ Belt

Thread the belt as indicated in the figure when replacing the belt.

- ※ Take care to avoid contact with grease or oil when replacing the belt.

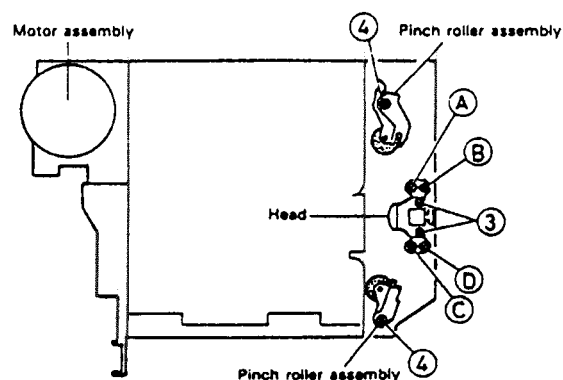


Fig. 2 - 6

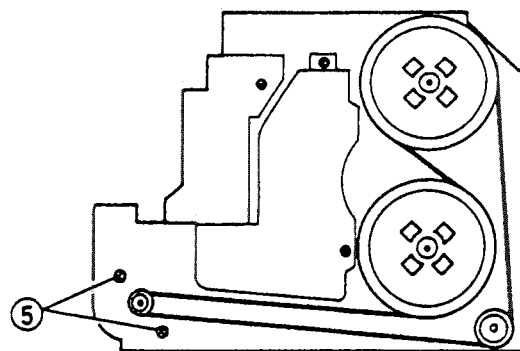


Fig 2 - 7

### 3 Main Adjustment

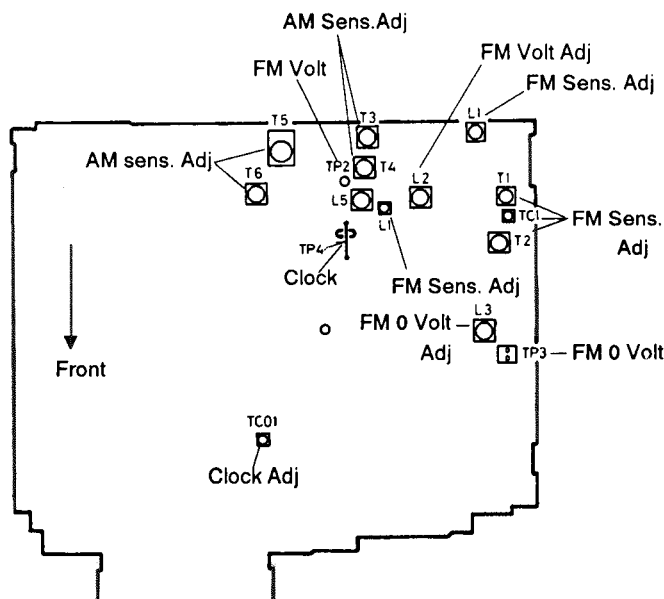
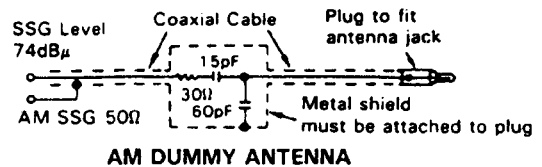
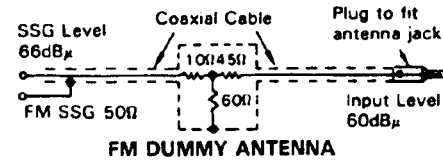
#### Equipment and measuring instruments used for adjustment

- Electronic voltmeter
- Audio frequency oscillator  
(range:50~20kHz and output 0 dB with impedance of 600 Ω )
- Attenuator(impedance;600 Ω )
- Frequebcy counter
- AM Standard signal generator
- FM Standard signal generator
- Wow flutter mater
- Torqu testing cassette gauge  
CTG – N (mechanical adjusting)  
TW – 2111A (FWD play)  
TW – 2121A (REV play)
- Standard tape  
VTT703(head azimuth adj.)  
VTT712(tape speed,wow&flutter adj.)  
VTT724(reference level )  
VTT736(playback frequency response )  
VTT721(output level)

#### Condition for measurement

- Power Supply ..... DC14.4V  
(Reduced Voltage:10.5V)
- Load ..... 4 Ω  
(Tow speaker connection)
- BASS/TRE, FADER BALANCE ..... Center
- A – HBS ..... OFF
- Main volume ..... Position with an output level of 2.0V during VTT724 playback
- Tuner section
  - **[FM]**;400Hz, 22.5kHz deviation
  - **[FM]**STEREO ;1kHz, 67.5kHz deviation, pilot signal 7.5kHz deviation.
  - **[AM]**;400Hz, 30% modulation
  - Output impedance ;50 Ω (Level, 0dB=1 μ V/50 Ω )

#### Dummy antenna



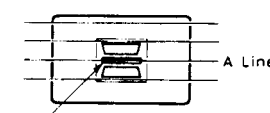
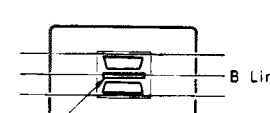
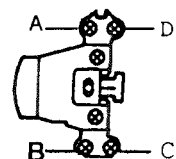
#### Preset memory Initialization

Band	Preset Memory				
	M1	M2	M3	M4	M5
FM(MHz)	87.5	89.9	97.9	105.9	107.9
AM(kHz)	531	603	999	1404	1602

#### Manual Tuning Up/Down Frequency

- [FM]**; 50kHz Step
- [AM]**; 9kHz Step

**■ Tape section adjustment**

Item	Conditions	Adjustment and Confirmation methods	S.Values	Adjust
<p>1. Head Azimuth Adjustment</p>	<p>Test tape: SCC – 1659 VTT703(10kHz)</p>	<p>★ In case the head and its height have been changed, it will be necessary to adjust the height of the head.</p> <p>1. Adjustment of the height of head</p> <p>1)When the mirror tape SCC – 1659(2line tape) is travelling in the FWD. direction ,adjust the screws A and B so that the line A is located at the center of the shield plate between the head channels.</p> <p>2)When the mirror tape SCC – 1659(2line tape) is travelling in the REV.direction, adjust the screws C and D so that the line B is located at the center of the shield plate between the head channels.</p> <p>2. Head azimuth</p> <p>1)Adjust the screw B so that the output level becomes maximum and the phase difference becomes minimum when VTT703 is travelling in the FWD. direction.</p> <p>2)Adjust the screw C so that the output level become maximum the phase difarence become minimum when VTT703 is travelling in the REV. direction.</p> <p>3)By repeating the avove adjustments steps 1) and 2),make sure that the output level and phase difference as specified respectively .</p> <p>4)There is no need to preform bonding after adjustment.</p>	<p>Head shield</p>  <p>The head is at low position during FWD.</p>  <p>The head is at high position during REV.</p> <p>Output level: Maximum</p>  <p>Output level: Maximum</p>	<p>Adjust</p> <p>screw – D</p> <p>screw – C</p>
<p>2. Tape speed and wow flutter confirmantion</p>	<p>Test tape:VTT712 (3kHz)</p>	<p>1.Check to see if the reading of the F.counter /wow flutter meter is within 3015~3045 (FWD/REV), and less than 0.35%(JIS RMS) .</p> <p>2. In case of out of specefication,adjust the motor with a built – in volume resistor.</p>	<p>Tape speed: 3015 ~3045Hz</p> <p>Wow flutter:less than0.35%</p>	<p>Built – in volume resistor</p>
<p>3.Playback frequency response confirmation</p>	<p>Test tape:VTT724 (1kHz) VTT736 (125Hz/1kHz/8kHz)</p>	<p>1. Play test tape VTT724, the set the volume position at 2V</p> <p>2. Play test tape VTT736 confirm</p> <p>1kHz/8kHz:0 ± 3dB</p> <p>1kHz/125Hz:0 ± 3dB</p> <p>3. When 8 kHz is out of specification, it will be necessary to read just the azimuth</p>	<p>Speaker out</p> <p>1kHz/125Hz :0 ± 3dB</p> <p>1kHz/8kHz :0 ± 3dB</p>	<p>Adjust</p>

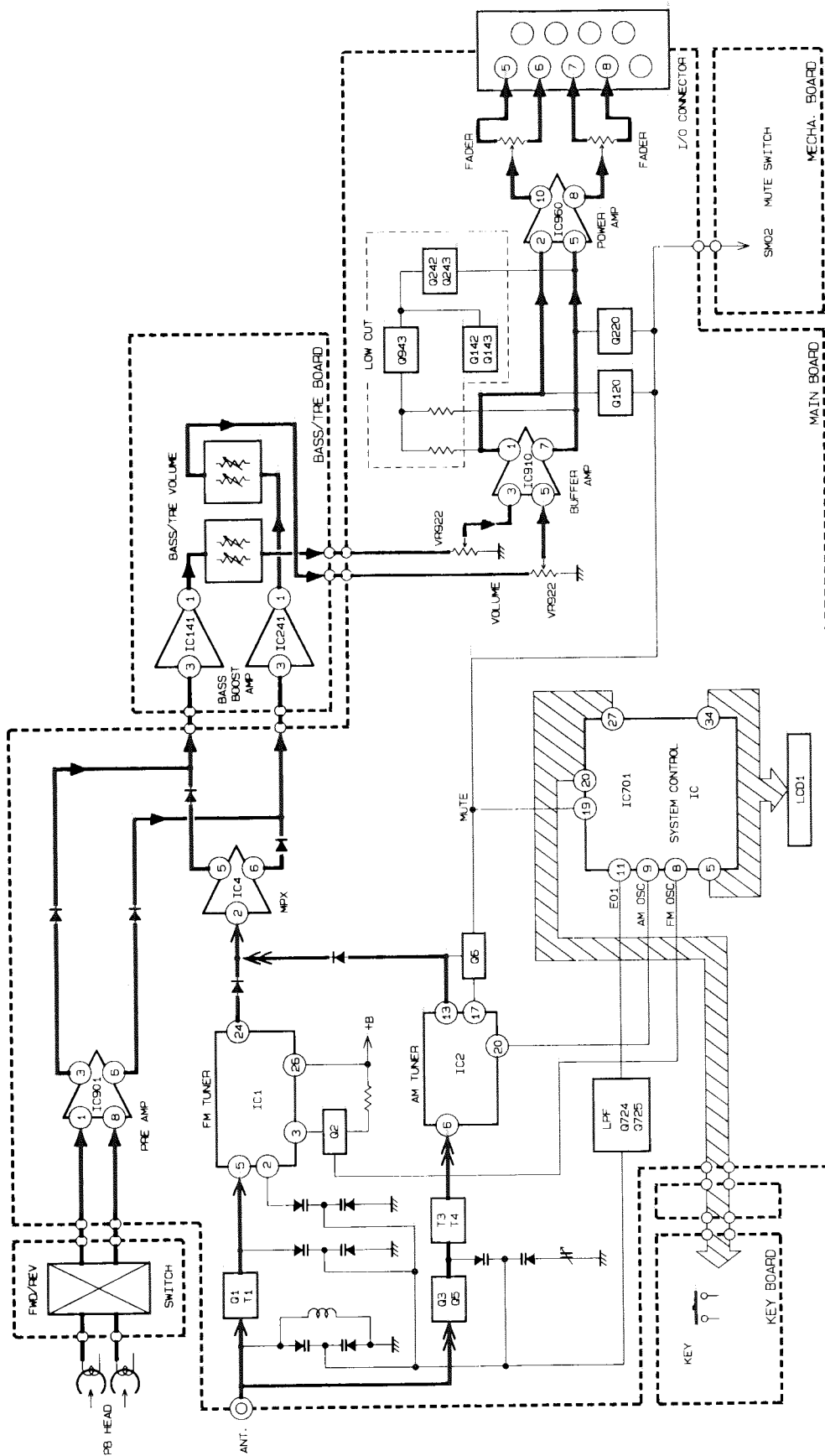
Item	Conditions	Adjustment and Confirmation methods	S.Values	Adjust
4.Maximum output power confirmation	Test tape :VTT721 (1kHz) volume:maximum BASS/TRE:center	1. Confirm both the front and rear output be more than 4.9V (6W). 2. Confirm that consumption current at above condition to be less than 5A. 3. Sound leakage should not occur at volume minimum. 4. Oscillation should not occur at BASS/TRE at minimum.	Output level:more than 6W(4.9V) Consumption current :less than 5A	
5.Playback noise	Empty tape	1. Noise level to be less than 2 mV at volume minimum. 2. Current consumption to be less 1A at above condition.	Less than 2 mV Less than 1A	
6.BASS/ TREBLE checking	FM 97.9 MHz, 66 dB $\mu$ , 22.5kHz dev. with center click, preemphasis 75 $\mu$ s.	Confirm that both BASS/TRE are within a variable range from $\pm 7$ dB to 13 dB.	100 Hz : $\pm 7$ dB ~13 dB (variable) 10 kHz : $\pm 7$ dB ~13 dB (variable)	

### ■ Tuner section adjustment

Item	Conditions	Adjustment and Confirmation methods	S.Values	Adjust
1.AM voltage adjustment	Test point: TP2 Measuring : AM 530kHz AM 1710kHz	1. Adjust L5 so that the TP2 DC voltage level becomes 1.2 V when 531 kHz is indicated. 2. Adjust TC2 so that the TP2 DC voltage level becomes 8 V when 1,602 kHz is indicated. 3. Repeat the Steps 1 and 2 until the voltage levels become as specified above.	1.2 $\pm$ 0.02V  8.0 $\pm$ 0.1V	L5  TC2
2.AM Sensitivity adjustment	AM 600 kHz weak signal  AM 1500 kHz weak signal	1. Adjust (the output with) T3/T4 and T5/T6 so that the output becomes maximum under the 60 kHz receiving conditions. 2. . Adjust (the output with) TC2 so that the output becomes maximum under the 1,404 kHz receiving conditions. 3. Repeat the Steps 1 and 2. 4. Confirm the AM voltage. After the voltage has been confirmed, make sure that the TP2 output at 1,602 kHz is 8.5V or less.	Output maximum Less than 8.5V	In sequence T3/T4, repeatedly until O/P is maximum TC51

Item	Conditions	Adjustment and Confirmation methods	S.Values	Adjust
3.Radio/Tape level difference	AM 1000 kHz, 1kHz, 30% modulation, 74dB $\mu$	Against VTT724, the output difference level to be within $-7 \pm 3$ dB	within $-7 \pm 3$ dB	
4.FM voltage adjustment	Test point: TP2 FM 107.9MHz	Adjust L2 so that the TP2 voltage becomes 7.8 V when 107.9 MHz is indicated.	$7.8 \pm 0.05V$	L2
5.FM 0V adjustment	Test point: TP3 FM 97.9MHz, 66 dB non modulation	Adjust L3 so that the TP3 DC voltage level becomes 0 V when 97.9 MHz is indicated.	$0 \pm 0.01V$	L3
6.FM sensitivity adjustment	FM 107.9 MHz weak signal FM 87.5 MHz weak signal Speaker out	<ol style="list-style-type: none"> <li>Adjust TC1 so that the output becomes maximum under the 107.9 MHz receiving conditions.</li> <li>Adjust L1, T1 and T2 so that the output becomes maximum under the 87.5 MHz receiving conditions.</li> <li>Repeat the above adjustment steps 1 and 2 so that the maximum sensitivity has been reached.</li> </ol> <p>*Should the core go out by as much as 1 mm or more from the bobbin, fix the core with wax (T2).</p>	Output maximum	TC1  L1,T1,T2
7.FM stereo indication sensitivity	97.9MHz, 1kHz, 67.5kHz dev.,pilot 7.5kHz dev.	<ol style="list-style-type: none"> <li>When input is 22 dB <math>\mu</math> ,“ST”indication appears.</li> <li>When input is 0 dB <math>\mu</math> ,“ST”indication disappears.</li> </ol>	ON: 22dB $\mu$ OFF:	
8.FM stereo separation	97.9MHz, 1kHz, 67.5kHz dev. Pilot 7.5kHz, 66dB $\mu$ V	<ol style="list-style-type: none"> <li>Separation to be more than 24 dB.</li> <li>The left/right difference to be within 3 dB.</li> </ol>	more than 24 dB	
9.FM S/N ratio	97.9 MHz, 66dB $\mu$	Output difference level between modulation ON/OFF to be more than 50 dB.	more than 50 dB	
10.Clock frequency adjustment	Test point: TP4 AM 1710 kHz F Counter	<p>When indication AM 1710 kHz, adjust TC701 so that the TP4 reading becomes <math>2,160 \pm 0.003</math> kHz.</p> <p>Note:</p> <ol style="list-style-type: none"> <li>Clock adjustment to be done after aligning tuner (To get higher accuracy).</li> <li>High impedance can be used.</li> </ol>	$2,160 \pm 0.003$ kHz	TC701

# 4 Block Diagram







# 5 Wiring Connections

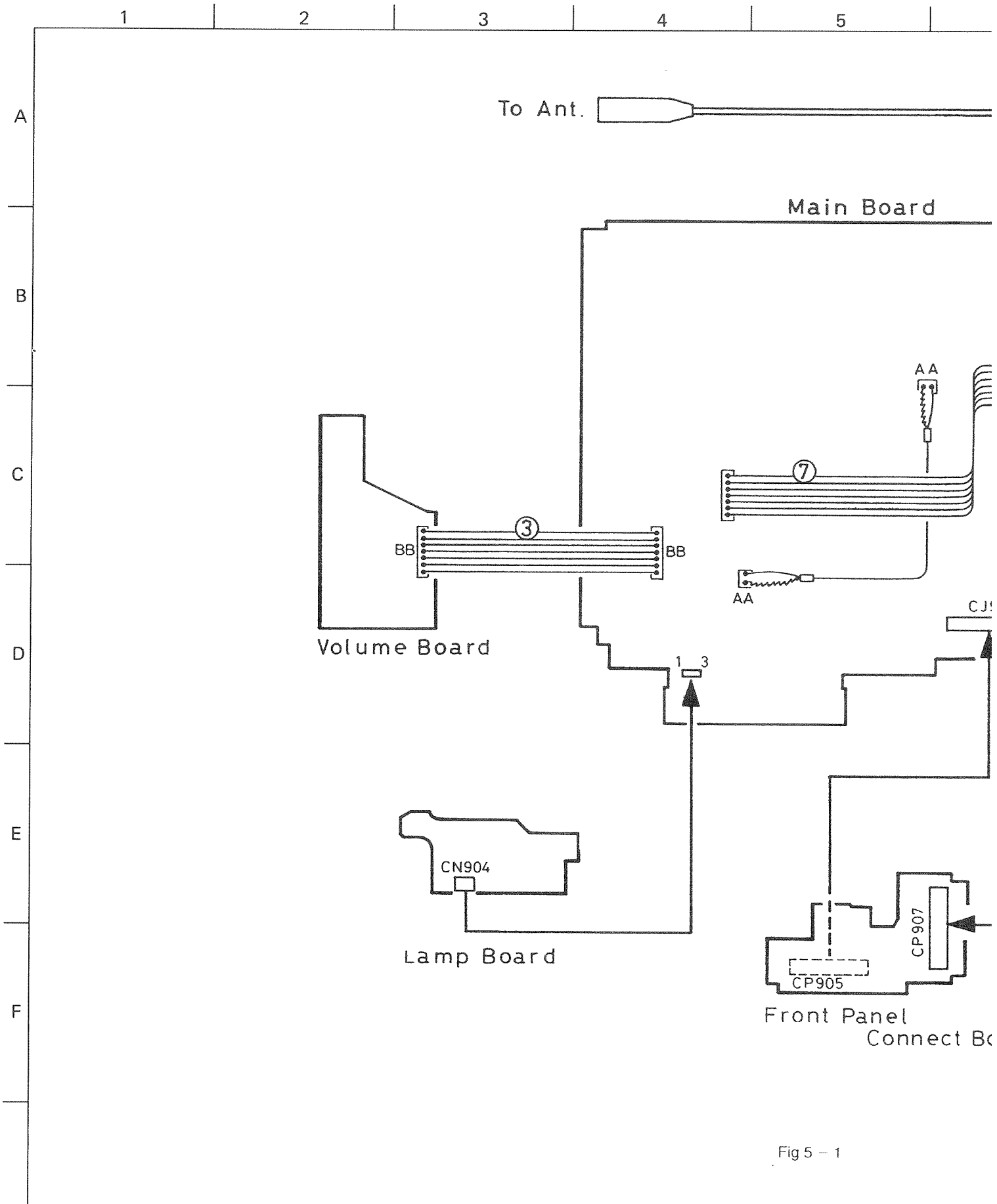
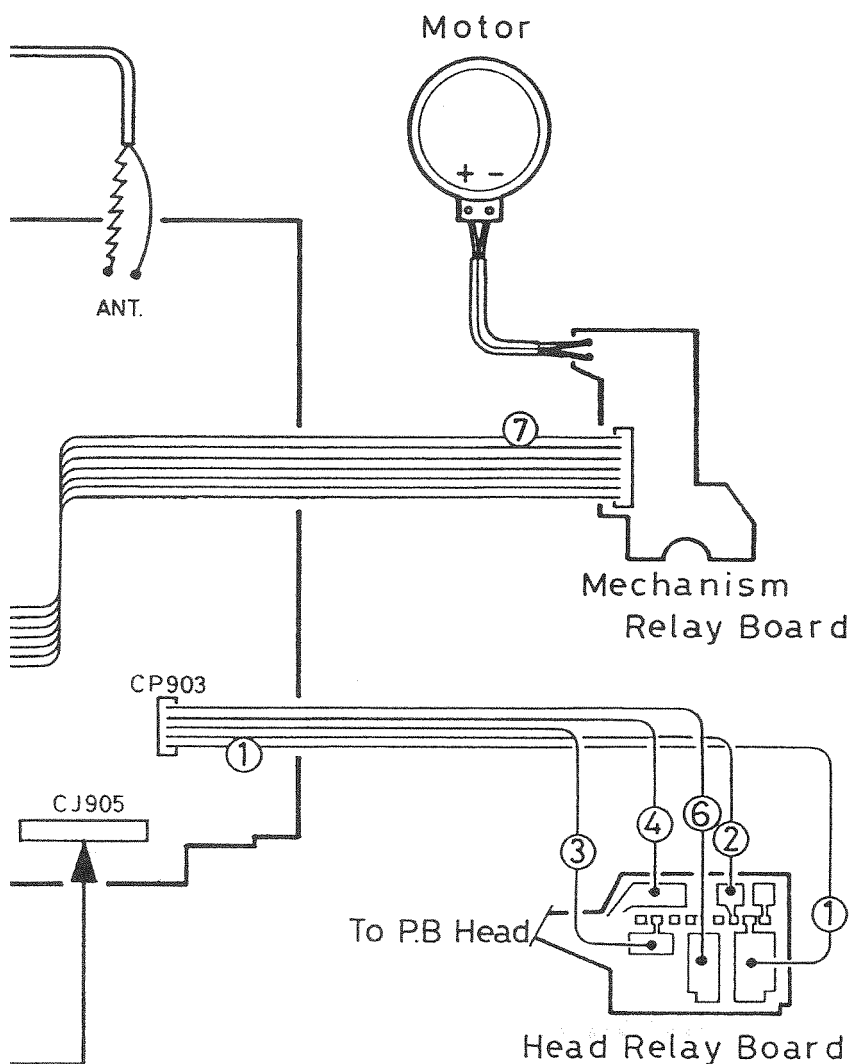


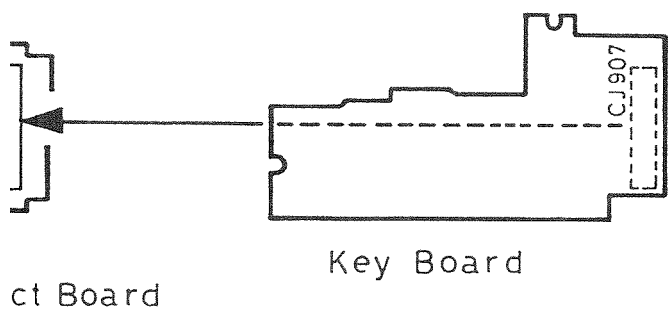
Fig 5 - 1

6 | 7 | 8 | 9 | 10

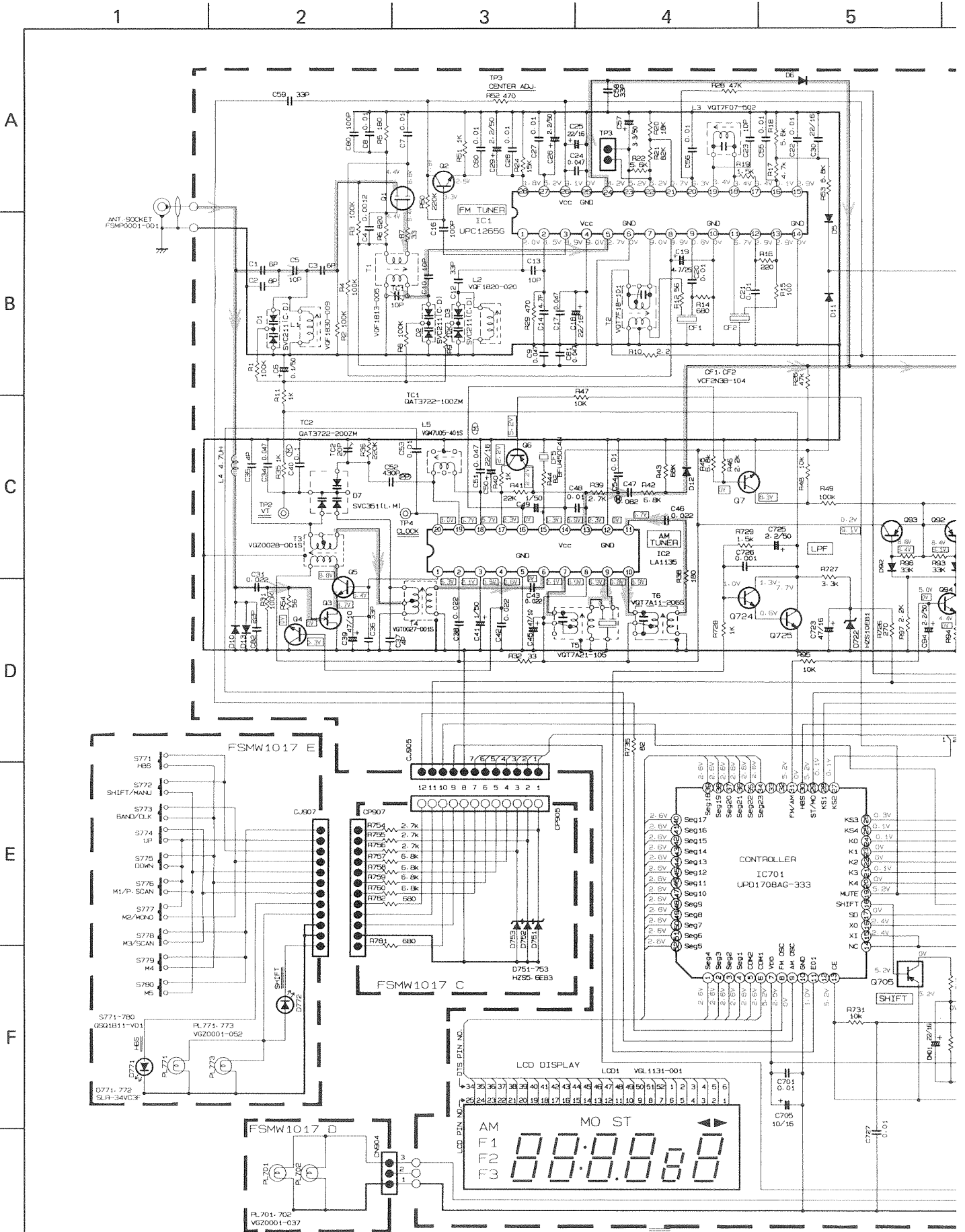


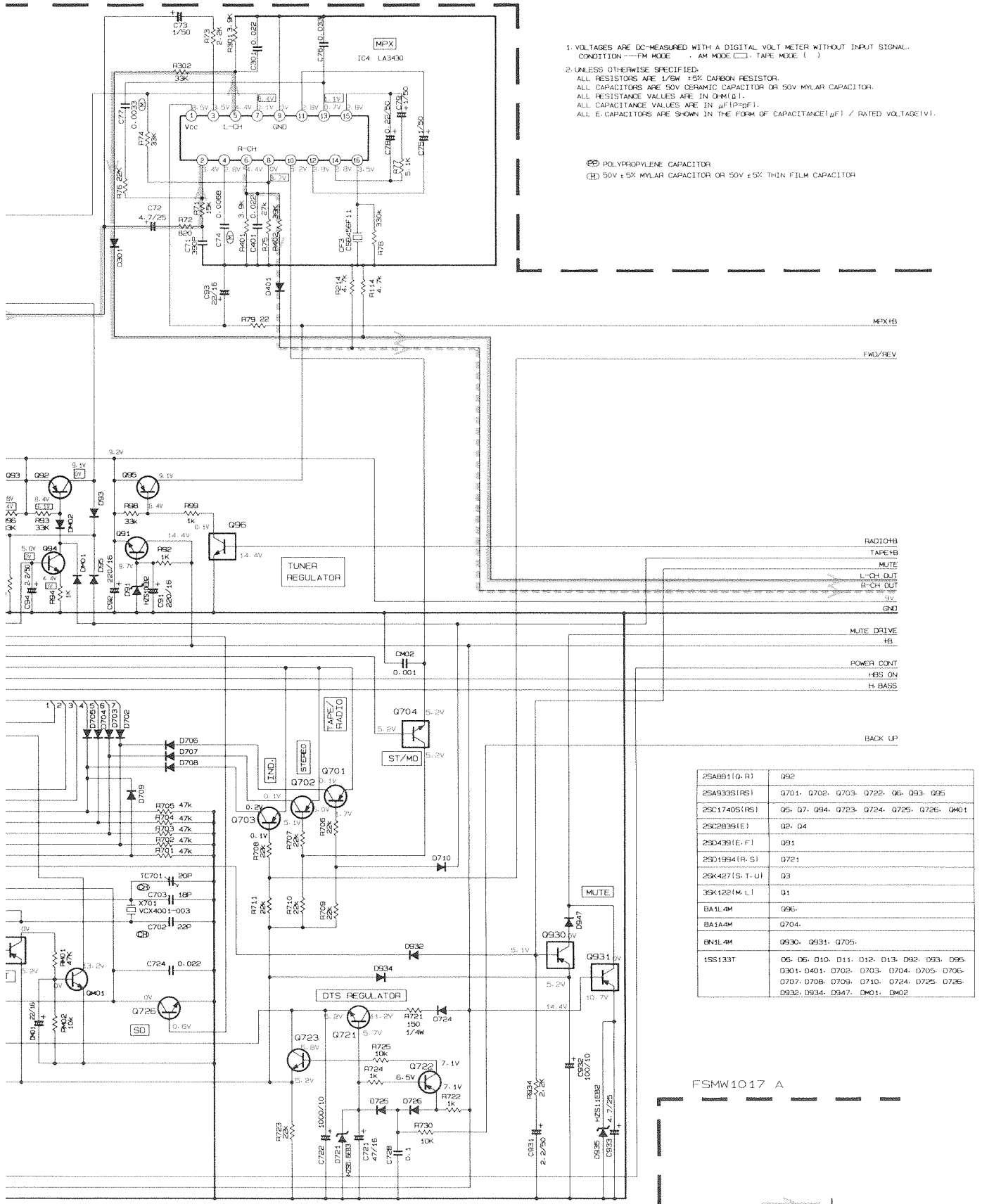
Color codes are shown below.

- 1 ..... Brown
- 2 ..... Red
- 3 ..... Orange
- 4 ..... Yellow
- 5 ..... Green
- 6 ..... Blue
- 7 ..... Violet
- 8 ..... Gray
- 9 ..... White
- 0 ..... Black
- D ..... Pink
- C ..... Light Blue



# 6 Standard Schematic Diagram





1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL. CONDITION --- FM MODE □ AM MODE □ TAPE MODE ( )
2. UNLESS OTHERWISE SPECIFIED, ALL RESISTORS ARE 1/4W ±5% CARBON RESISTOR. ALL CAPACITORS ARE 50V CERAMIC CAPACITOR OR 50V MYLAR CAPACITOR. ALL RESISTANCE VALUES ARE IN OHM/D. ALL CAPACITANCE VALUES ARE IN μF/PPF/1. ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF) / RATED VOLTAGE(V).

(P) POLYPROPYLENE CAPACITOR  
(M) 50V ±5% MYLAR CAPACITOR OR 50V ±5% THIN FILM CAPACITOR

MEX1FB

FWD/REV

RADIOHB

TAPEHB

MUTE

L-CH OUT

R-CH OUT

5V

GND

MUTE DRIVE

FB

POWER CONT

HBS ON

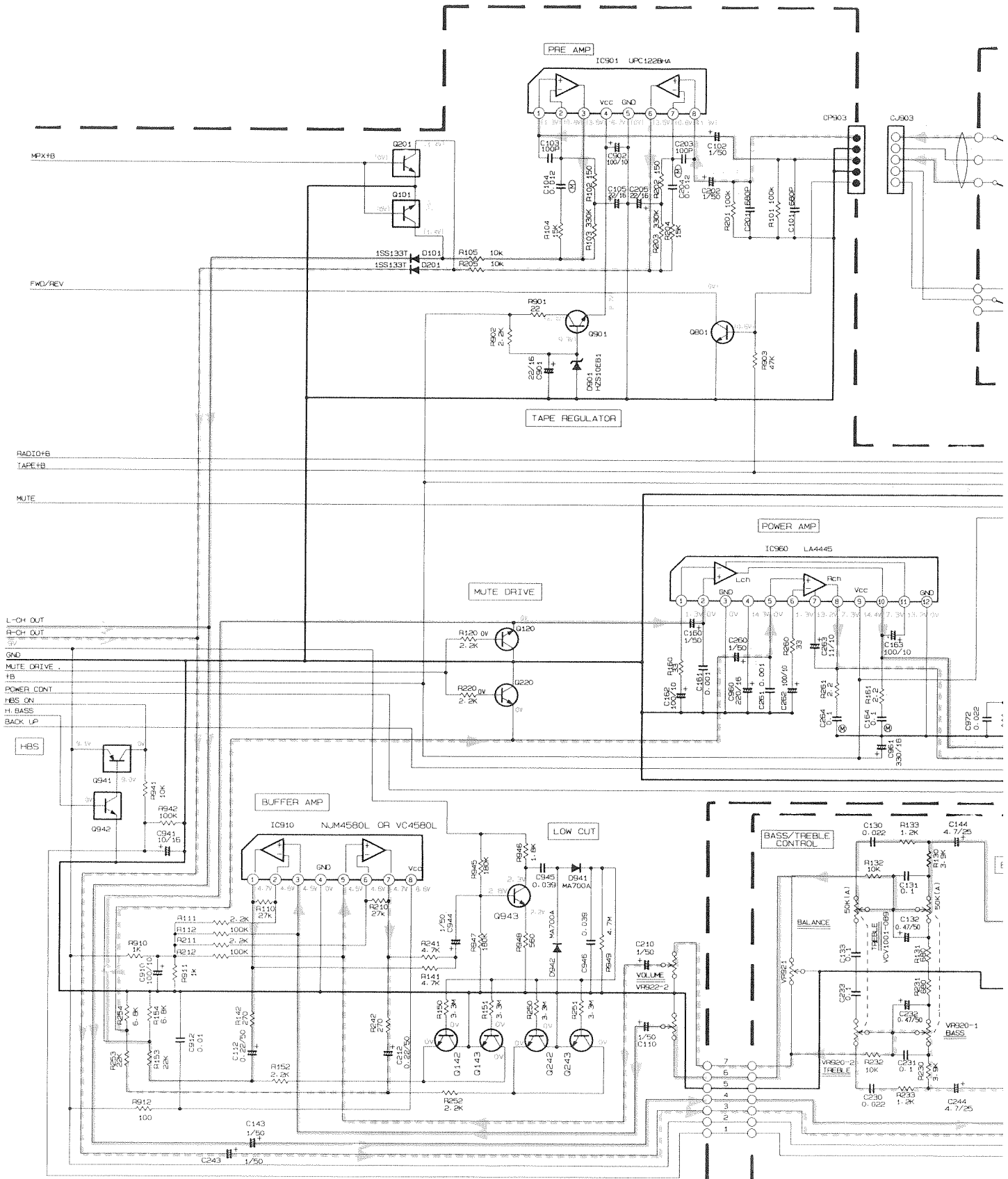
H-BASS

BACK UP

25AB01(O-R)	Q92
25A933S(RS)	Q701, Q702, Q703, Q722, Q6, Q93, Q95
25C1740S(RS)	Q5, Q7, Q94, Q723, Q724, Q725, Q726, QM01
25C939S(E)	Q2, Q4
25D439(E, F)	Q91
25D1994(R, S)	Q721
26K427(S, T, U)	Q3
35K128(M, L)	Q1
BA1L4M	Q96
BA1A4M	Q704
BA1L4M	Q930, Q931, Q705
15S133T	Q6, Q6, Q10, D11, D12, D13, Q92, Q93, Q95, Q301, Q401, D702, Q703, Q704, Q705, D706, Q707, Q708, Q709, Q710, Q724, Q725, Q726, Q932, Q934, Q947, QM01, QM02

FSMW1017 A

L FM Signal  
R AM Signal



16

17

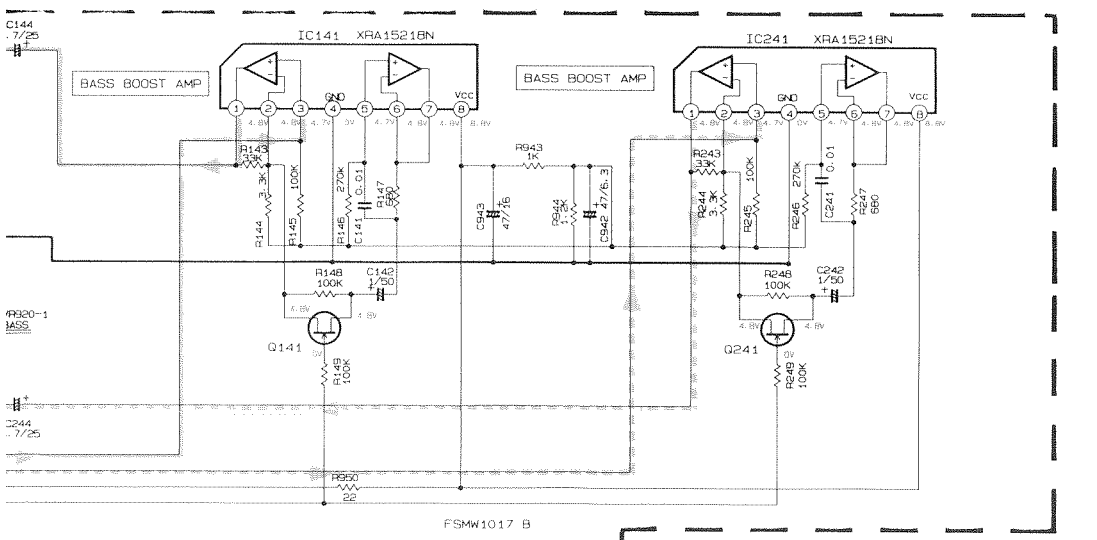
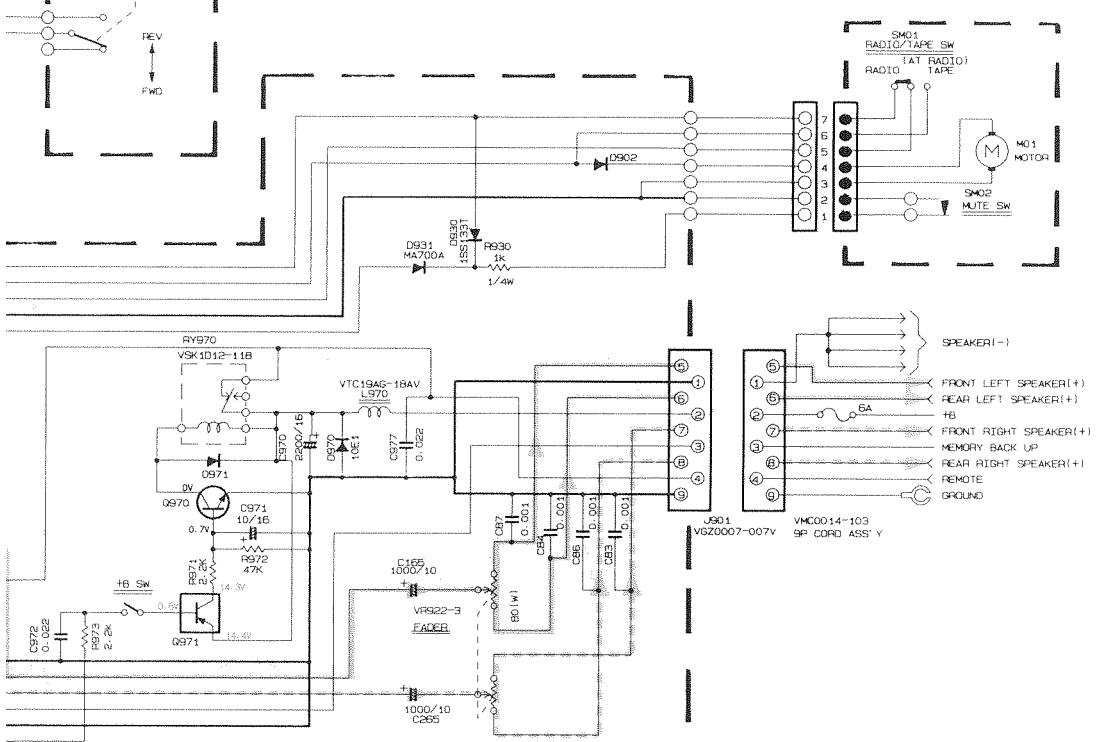
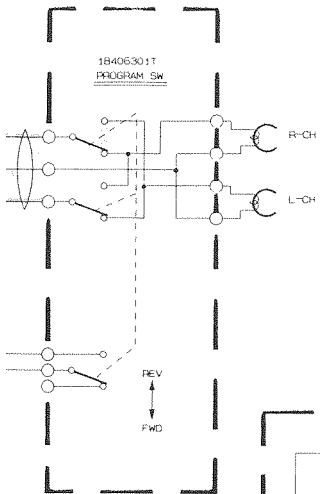
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19

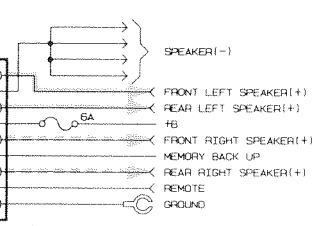
20

25C17405(RS1)	Q801- Q901- Q142- Q242
	Q143- Q243- Q943- Q970
25D13021(S-T)	Q120- Q220
25K301(P-Q)	Q141- Q241
BA1L4M	Q101- Q201- Q942
BN1L4M	Q941- Q971
DSK10C	D902- D971

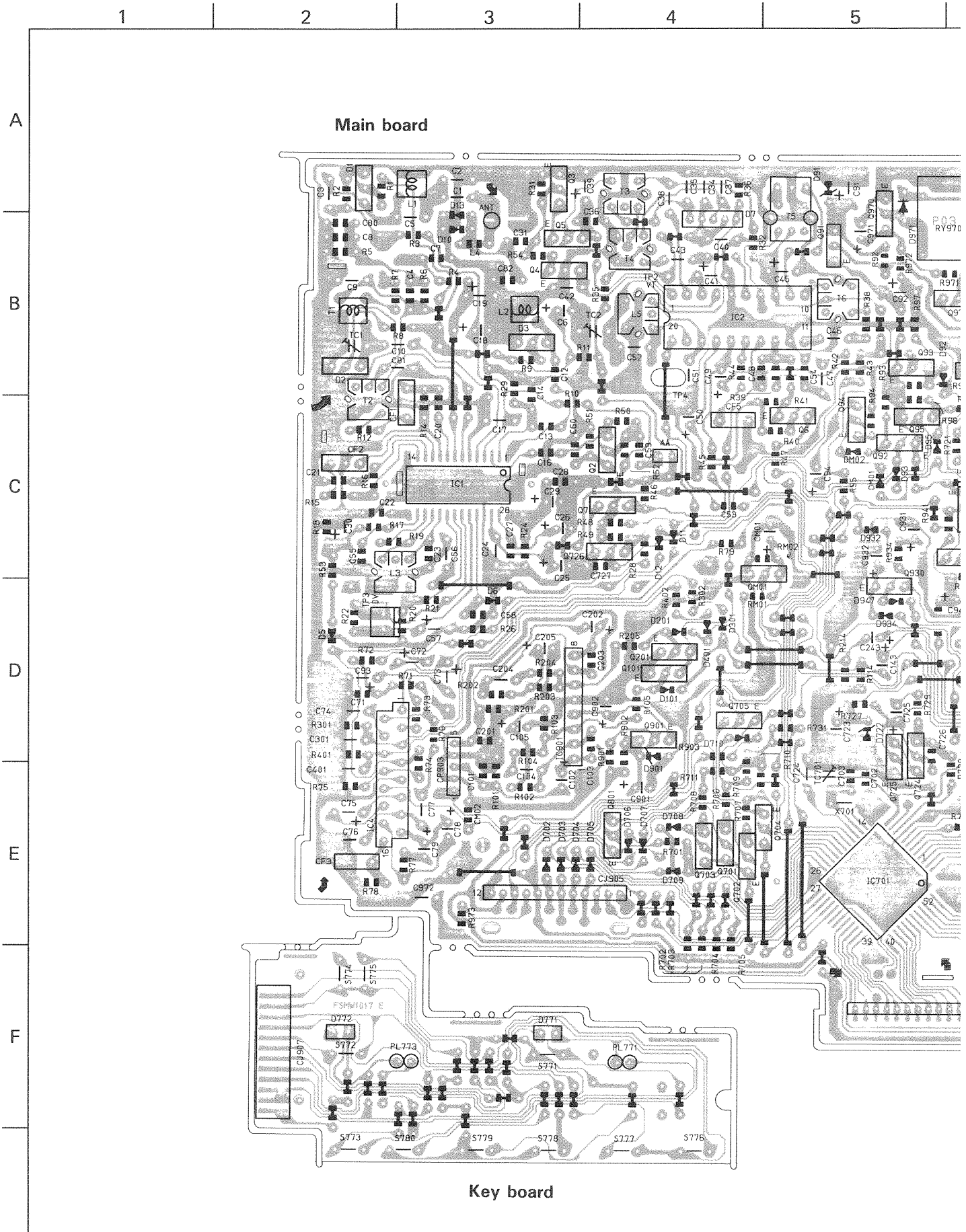
- NOTES**
- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.  
CONDITION — FM MODE □ AM MODE □ TAPE MODE □
  - UNLESS OTHERWISE SPECIFIED:  
ALL RESISTORS ARE 1/5W ±5% CARBON RESISTOR.  
ALL CAPACITORS ARE 50V CERAMIC CAPACITOR OR 50V MYLAR CAPACITOR.  
ALL RESISTANCE VALUES ARE IN Ω(M|Ω).  
ALL CAPACITANCE VALUES ARE IN μF(P|pF).  
ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF) / RATED VOLTAGE(V).
- Ⓢ 50V ±5% MYLAR CAPACITOR OR 50V ±5% THIN FILM CAPACITOR



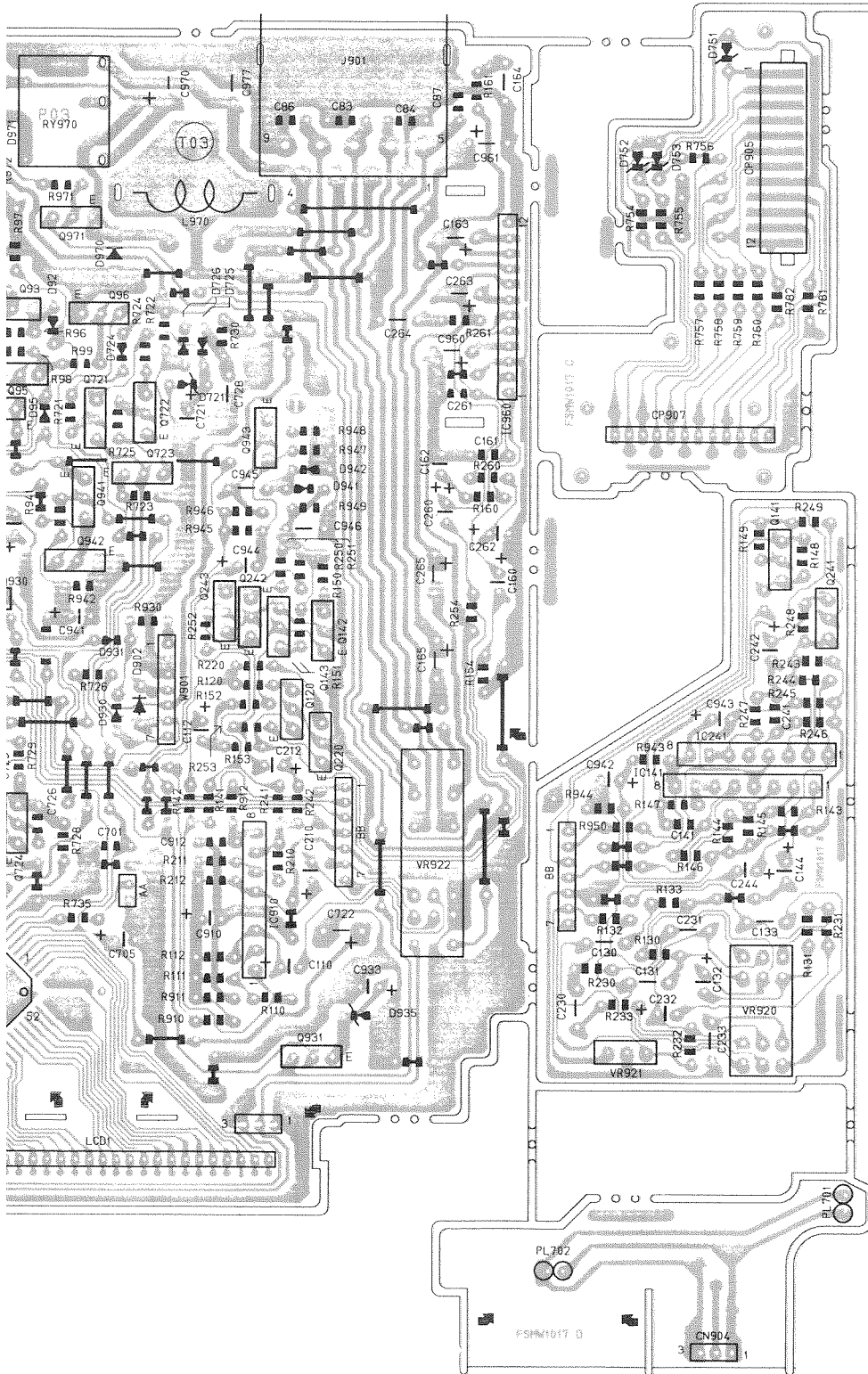
A  
B  
C  
D  
E  
F



# 7 Location of P.C. Board Parts and Parts List







Front panel connect board

Volume board

Lamp board



● Main board parts list

BLOCK NO. 01		BLOCK NO. 01		
REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
C 1	QCS11HJ-680	C-CAPACITOR	6.0PF 5% 50V	
C 2	QCS11HJ-880	C-CAPACITOR	8.0PF 5% 50V	
C 3	QCS11HJ-680	C-CAPACITOR	6.0PF 5% 50V	
C 4	QCVB1CM-122Y	C-CAPACITOR	1200PF 20% 16V	
C 5	QCS11HJ-100	C-CAPACITOR	10PF 5% 50V	
C 6	QER41HM-104M	E-CAPACITOR	.10MF 20% 50V	
C 7	QCVB1CM-103Y	C-CAPACITOR	.010MF 20% 16V	
C 8	QCVB1CM-103Y	C-CAPACITOR	.010MF 20% 16V	
C 9	QCC11EK-473Z	C-CAPACITOR	.047MF 10% 25V	
C 10	QCS11HJ-100	C-CAPACITOR	10PF 5% 50V	
C 12	QCS31HJ-390Z	C-CAPACITOR	39PF 5% 50V	
C 13	QCS11HJ-100	C-CAPACITOR	10PF 5% 50V	
C 14	QCSB1HJ-487Y	C-CAPACITOR	4.7PF 10% 50V	
C 16	QCSB1HJ-101Y	C-CAPACITOR	100PF 10% 50V	
C 17	QCC11EM-473V	C-CAPACITOR	.047MF 20% 25V	
C 18	QER41CM-226VM	E-CAPACITOR	22MF 20% 16V	
C 19	QETC1EM-475ZM	E-CAPACITOR	4.7MF 20% 25V	
C 20	QCVB1CM-103Y	C-CAPACITOR	.010MF 20% 16V	
C 21	QCVB1CM-103Y	C-CAPACITOR	.010MF 20% 16V	
C 22	QCVB1CM-103Y	C-CAPACITOR	.010MF 20% 16V	
C 23	QCT05UJ-100	C-CAPACITOR	10PF 5% 50V	
C 24	QCC11EK-473Z	C-CAPACITOR	.047MF 10% 25V	
C 25	QER41CM-226VM	E-CAPACITOR	22MF 20% 16V	
C 26	QER41HM-225	E-CAPACITOR	2.2MF 20% 50V	
C 27	QCVB1CM-103Y	C-CAPACITOR	.010MF 20% 16V	
C 28	QCVB1CM-103Y	C-CAPACITOR	.010MF 20% 16V	
C 29	QER41HM-225	E-CAPACITOR	2.2MF 20% 50V	
C 30	QETC1CM-226ZN	E-CAPACITOR	22MF 20% 16V	
C 31	QCVB1CM-103Y	C-CAPACITOR	.010MF 20% 16V	
C 34	QCC11EK-473Z	C-CAPACITOR	.047MF 10% 25V	
C 35	QCS11HJ-480	C-CAPACITOR	4.0PF 5% 50V	
C 36	QCS11HJ-330	C-CAPACITOR	33PF 5% 50V	
C 37	QCS11HJ-480	C-CAPACITOR	4.0PF 5% 50V	
C 38	QCC11EM-223V	C-CAPACITOR	.022MF 10% 25V	
C 39	QETC1AM-476Z	E-CAPACITOR	47MF 20% 10V	
C 40	QFV41HJ-104	FILM CAPACITOR	.10MF 5% 50V	
C 41	QETC1HM-105Z	E-CAPACITOR	1.0MF 20% 50V	
C 42	QCC11EM-223V	C-CAPACITOR	.022MF 10% 25V	
C 43	QCC11EM-223V	C-CAPACITOR	.022MF 10% 25V	
C 45	QETC1AM-476Z	E-CAPACITOR	47MF 20% 10V	
C 46	QCC11EM-223V	C-CAPACITOR	.022MF 10% 25V	
C 47	QFV41HJ-823	FILM CAPACITOR	.082MF 5% 50V	
C 48	QCVB1CM-103Y	C-CAPACITOR	.010MF 20% 16V	
C 49	QER41HM-105VM	E-CAPACITOR	1.0MF 20% 50V	
C 50	QER41CM-226VM	E-CAPACITOR	22MF 20% 16V	
C 51	QFV81HJ-473	FILM CAPACITOR	.047MF 5% 50V	
C 52	QFV42AJ-431	PP-CAPACITOR	430PF 5% 100V	
C 53	QCVB1CM-103Y	C-CAPACITOR	.010MF 20% 16V	
C 54	QCVB1CM-103Y	C-CAPACITOR	.010MF 20% 16V	
C 55	QCVB1CM-103Y	C-CAPACITOR	.010MF 20% 16V	
C 56	QCC11EK-103Z	C-CAPACITOR	.010MF 10% 25V	
C 57	QETC1HM-335Z	E-CAPACITOR	3.3MF 20% 50V	
C 58	QCS11HJ-330	C-CAPACITOR	33PF 5% 50V	
C 59	QCS11HJ-330	C-CAPACITOR	33PF 5% 50V	
C 60	QCVB1CM-103Y	C-CAPACITOR	.010MF 20% 16V	
C 71	QCSB1HK-391Y	C-CAPACITOR	390PF 10% 50V	
C 72	QETC1EM-475ZM	E-CAPACITOR	4.7MF 20% 25V	
C 73	QETC1HM-105Z	E-CAPACITOR	1.0MF 20% 50V	
C 74	QFN41HJ-682	M CAPACITOR	6800PF 5% 50V	
C 75	QETC1HM-105Z	E-CAPACITOR	1.0MF 20% 50V	
C 76	QCC11EK-333Z	C-CAPACITOR	.033MF 10% 25V	
C 77	QFN41HJ-332	M CAPACITOR	3300PF 5% 50V	
C 78	QER41HM-224VS	E-CAPACITOR	.22MF 20% 50V	
C 79	QER41HM-105VM	E-CAPACITOR	1.0MF 20% 50V	
C 80	QCSB1HK-101Y	C-CAPACITOR	100PF 10% 50V	
C 81	QCC11EK-473Z	C-CAPACITOR	.047MF 10% 25V	
C 82	QCS11HJ-220	C-CAPACITOR	22PF 5% 50V	
C 83	QCSB1HK-102Y	C-CAPACITOR	1000PF 10% 50V	
C 84	QCSB1HK-102Y	C-CAPACITOR	1000PF 10% 50V	
C 86	QCSB1HK-102Y	C-CAPACITOR	1000PF 10% 50V	
C 87	QCSB1HK-102Y	C-CAPACITOR	1000PF 10% 50V	
C 91	QETC1CM-227	E-CAPACITOR	220MF 20% 16V	
C 92	QETC1CM-227	E-CAPACITOR	220MF 20% 16V	
C 93	QETC1CM-226ZN	E-CAPACITOR	22MF 20% 16V	
C 94	QER41HM-225	E-CAPACITOR	2.2MF 20% 50V	
C 101	QCSB1HK-681Y	C-CAPACITOR	680PF 10% 50V	
C 102	QER41HM-105VM	E-CAPACITOR	1.0MF 20% 50V	
C 103	QCSB1HK-101Y	C-CAPACITOR	100PF 10% 50V	
C 104	QFV41HJ-123	FILM CAPACITOR	.012MF 5% 50V	
C 105	QER41CM-226VM	E-CAPACITOR	22MF 20% 16V	
C 110	QER41HM-105VM	E-CAPACITOR	1.0MF 20% 50V	
C 112	QER41HM-224VS	E-CAPACITOR	.22MF 20% 50V	
C 130	QCC11EM-223V	C-CAPACITOR	.022MF 10% 25V	
C 131	QCC11EM-104V	C-CAPACITOR	.10MF 20% 25V	
C 132	QEK41HM-474	E-CAPACITOR	.47MF 20% 50V	
C 133	QCC11EM-104V	C-CAPACITOR	.10MF 20% 25V	
C 141	QCVB1CM-103Y	C-CAPACITOR	.010MF 20% 16V	
C 142	QER41HM-105VM	E-CAPACITOR	1.0MF 20% 50V	
C 143	QER41HM-105VM	E-CAPACITOR	1.0MF 20% 50V	
C 144	QER41EM-475VM	E-CAPACITOR	4.7MF 20% 25V	
C 160	QER41HM-105VM	E-CAPACITOR	1.0MF 20% 50V	
C 161	QCSB1HK-102Y	C-CAPACITOR	1000PF 10% 50V	
C 162	QER41AM-107	E-CAPACITOR	100MF 20% 10V	
C 163	QETC1AM-107ZN	E-CAPACITOR	100MF 20% 10V	
C 164	QFV41HJ-224	FILM CAPACITOR	.22MF 5% 50V	
C 165	QETC1AM-108ZN	E-CAPACITOR	1000MF 20% 10V	
C 201	QCSB1HK-681Y	C-CAPACITOR	680PF 10% 50V	
C 202	QER41HM-105VM	E-CAPACITOR	1.0MF 20% 50V	
C 203	QCSB1HK-101Y	C-CAPACITOR	100PF 10% 50V	
C 204	QFV41HJ-123	FILM CAPACITOR	.012MF 5% 50V	
C 205	QER41CM-226VM	E-CAPACITOR	22MF 20% 16V	
C 210	QER41HM-105VM	E-CAPACITOR	1.0MF 20% 50V	
C 212	QER41HM-224VS	E-CAPACITOR	.22MF 20% 50V	
C 230	QCC11EM-223V	C-CAPACITOR	.022MF 10% 25V	
C 231	QCC11EM-104V	C-CAPACITOR	.10MF 20% 25V	
C 232	QEK41HM-474	E-CAPACITOR	.47MF 20% 50V	
C 233	QCC11EM-104V	C-CAPACITOR	.10MF 20% 25V	
C 241	QCVB1CM-103Y	C-CAPACITOR	.010MF 20% 16V	
C 242	QER41HM-105VM	E-CAPACITOR	1.0MF 20% 50V	
C 243	QER41HM-105VM	E-CAPACITOR	1.0MF 20% 50V	

BLOCK NO. 01

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
D 5	1SS133	SI DIODE		
D 6	1SS133	SI DIODE		
D 7	SVC351(L,M,W)	VARI CAP		
D 10	1SS133	SI DIODE		
D 11	1SS133	SI DIODE		
D 12	1SS133	SI DIODE		
D 13	1SS133	SI DIODE		
D 91	HZS10EB2	ZENER DIODE		
D 92	1SS133	SI DIODE		
D 93	1SS133	SI DIODE		
D 95	1SS133	SI DIODE		
D 101	1SS133	SI DIODE		
D 201	1SS133	SI DIODE		
D 301	1SS133	SI DIODE		
D 401	1SS133	SI DIODE		
D 702	1SS133	SI DIODE		
D 703	1SS133	SI DIODE		
D 704	1SS133	SI DIODE		
D 705	1SS133	SI DIODE		
D 706	1SS133	SI DIODE		
D 707	1SS133	SI DIODE		
D 708	1SS133	SI DIODE		
D 709	1SS133	SI DIODE		
D 710	1SS133	SI DIODE		
D 721	HZS5.6EB3	ZENER DIODE		
D 722	HZS10EB1	ZENER DIODE		
D 724	1SS133	SI DIODE		
D 725	1SS133	SI DIODE		
D 726	1SS133	SI DIODE		
D 751	HZS5.6EB3	ZENER DIODE		
D 752	HZS5.6EB3	ZENER DIODE		
D 753	HZS5.6EB3	ZENER DIODE		
D 771	SLR-34VC3F	LED		
D 772	SLR-34VC3F	LED		
D 901	HZS10EB1	ZENER DIODE		
D 902	DSK10C-E	DIODE		
D 930	1SS133	SI DIODE		
D 931	MA700A	S-B-DIODE		
D 932	1SS133	SI DIODE		
D 934	1SS133	SI DIODE		
D 935	HZS11EB2	ZENER DIODE		
D 941	MA700A	S-B-DIODE		
D 942	MA700A	S-B-DIODE		
D 947	1SS133	SI DIODE		
D 970	10E1	SI DIODE		
D 971	DSK10C-E	DIODE		
DM 01	1SS133	SI DIODE		
DM 02	1SS133	SI DIODE		
IC 1	UPC1265G	IC		
IC 2	LA1135	IC		
IC 4	LA3430	IC		
IC141	BA15218N	IC		
IC241	BA15218N	IC		
IC701	UPD170BAG-333	IC		
IC901	UPC122BHA	IC		

BLOCK NO. 01

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
C 244	QER41EM-475VM	E-CAPACITOR	4.7MF 20% 25V	
C 260	QER41HM-105VM	E-CAPACITOR	1.0MF 20% 50V	
C 261	QCB81HK-102Y	C-CAPACITOR	1000PF 10% 50V	
C 262	QER41AM-107	E-CAPACITOR	100MF 20% 10V	
C 263	QETC1AM-107ZN	E-CAPACITOR	100MF 20% 10V	
C 264	QFV41HJ-224	FILM CAPACITOR	.22MF 5% 50V	
C 265	QETC1AM-108ZN	E-CAPACITOR	1000MF 20% 10V	
C 301	QCC11EM-223V	C-CAPACITOR	.022MF 10% 25V	
C 401	QCC11EM-223V	C-CAPACITOR	.022MF 10% 25V	
C 701	QCVB1CM-103Y	C-CAPACITOR	.010MF 20% 16V	
C 702	QCS11HJ-220	C-CAPACITOR	22PF 5% 50V	
C 703	QC130CH-180Y	C-CAPACITOR	18PF 5% 50V	
C 705	QER41CM-106	E-CAPACITOR	10MF 20% 16V	
C 721	QER41CM-476M	E-CAPACITOR	47MF 20% 16V	
C 722	QETC1AM-108ZN	E-CAPACITOR	1000MF 20% 10V	
C 723	QER41CM-476M	E-CAPACITOR	47MF 20% 16V	
C 724	QCC11EM-223V	C-CAPACITOR	.022MF 10% 25V	
C 725	QER41HM-225	E-CAPACITOR	2.2MF 20% 50V	
C 726	QCB81HK-102Y	C-CAPACITOR	1000PF 10% 50V	
C 727	QCVB1CM-103Y	C-CAPACITOR	.010MF 20% 16V	
C 728	QFV41HJ-104	FILM CAPACITOR	.10MF 5% 50V	
C 901	QER41CM-226VM	E-CAPACITOR	22MF 20% 16V	
C 902	QER41AM-107	E-CAPACITOR	100MF 20% 10V	
C 910	QER41AM-107	E-CAPACITOR	100MF 20% 10V	
C 912	QCVB1CM-103Y	C-CAPACITOR	.010MF 20% 16V	
C 931	QER41HM-225	E-CAPACITOR	2.2MF 20% 50V	
C 932	QER41AM-107	E-CAPACITOR	100MF 20% 10V	
C 933	QER41EM-475VM	E-CAPACITOR	4.7MF 20% 25V	
C 941	QER41CM-106	E-CAPACITOR	10MF 20% 16V	
C 942	QEK40JM-476	E-CAPACITOR	47MF 20% 6.3V	
C 943	QER41CM-476M	E-CAPACITOR	47MF 20% 16V	
C 944	QER41HM-105VM	E-CAPACITOR	1.0MF 20% 50V	
C 945	QCC11EM-393Z	C-CAPACITOR	.039MF 20% 25V	
C 946	QCC11EM-393Z	C-CAPACITOR	.039MF 20% 25V	
C 960	QETA1CM-227	E-CAPACITOR	220MF 20% 16V	
C 961	QETC1CM-337ZM	E-CAPACITOR	330MF 20% 16V	
C 970	QETB1CM-228	E-CAPACITOR	2200MF 20% 16V	
C 971	QER41CM-106	E-CAPACITOR	10MF 20% 16V	
C 972	QCC11EM-223V	C-CAPACITOR	.022MF 10% 25V	
C 977	QCC11EM-223V	C-CAPACITOR	.022MF 10% 25V	
CF 1	VCF2N3B-104Z	CERAMIC FILTER		
CF 2	VCF2N3B-104Z	CERAMIC FILTER		
CF 3	CSB456F11	CERA LOCK		
CF 5	BFU450C4N	CERAMIC FILTER		
CJ905	VMC0232-S12	CONNECTOR	TO CONN PWB	
CJ907	VMC0259-002	CONNECTOR		
CM 01	QER41CM-226VM	E-CAPACITOR	22MF 20% 16V	
CM 02	QCB81HK-102Y	C-CAPACITOR	1000PF 10% 50V	
CM904	VMC0198-003	CONNECTOR		
CP903	TXLP-003-B	CONNECTOR		
CP905	VMC0232-012	CONNECTOR		
CP907	VMC0278-002	CONNECTOR		
D 1	SVC211(C,D)	VARI CAP		
D 2	SVC211(C,D)	VARI CAP		
D 3	SVC211(C,D)	VARI CAP		

BLOCK NO. 01111111

REF.	PARTS NO.	PARTS NAME	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
Q 970	25C1740S(R,S)	TRANSISTOR				
Q 971	BN1L4M	TRANSISTOR				
QM 01	25C1740S(R,S)	TRANSISTOR				
R 1	GRD161J-104	CARBON RESISTOR			100K 5% 1/6W	
R 2	GRD161J-104	CARBON RESISTOR			100K 5% 1/6W	
R 3	GRD161J-104	CARBON RESISTOR			100K 5% 1/6W	
R 4	GRD161J-104	CARBON RESISTOR			100K 5% 1/6W	
R 5	GRD161J-181	CARBON RESISTOR			180 5% 1/6W	
R 6	GRD161J-821	CARBON RESISTOR			820 5% 1/6W	
R 7	GRD161J-330	CARBON RESISTOR			33 5% 1/6W	
R 8	GRD161J-104	CARBON RESISTOR			100K 5% 1/6W	
R 9	GRD161J-103	CARBON RESISTOR			10K 5% 1/6W	
R 10	GRD161J-2R2	CARBON RESISTOR			2.2 5% 1/6W	
R 11	GRD161J-102	CARBON RESISTOR			1.0K 5% 1/6W	
R 12	GRD161J-560	CARBON RESISTOR			56 5% 1/6W	
R 14	GRD161J-681	CARBON RESISTOR			680 5% 1/6W	
R 15	GRD161J-101	CARBON RESISTOR			100 5% 1/6W	
R 16	GRD161J-221	CARBON RESISTOR			220 5% 1/6W	
R 17	GRD161J-472	CARBON RESISTOR			4.7K 5% 1/6W	
R 18	GRD167J-562	CARBON RESISTOR			5.6K 5% 1/6W	
R 19	GRD161J-152	CARBON RESISTOR			1.5K 5% 1/6W	
R 20	GRD161J-153	CARBON RESISTOR			15K 5% 1/6W	
R 21	GRD161J-823	CARBON RESISTOR			82K 5% 1/6W	
R 22	GRD167J-562	CARBON RESISTOR			5.6K 5% 1/6W	
R 24	GRD161J-153	CARBON RESISTOR			15K 5% 1/6W	
R 26	GRD161J-473	CARBON RESISTOR			47K 5% 1/6W	
R 28	GRD161J-473	CARBON RESISTOR			47K 5% 1/6W	
R 29	GRD161J-471	CARBON RESISTOR			470 5% 1/6W	
R 31	GRD161J-104	CARBON RESISTOR			100K 5% 1/6W	
R 32	GRD161J-330	CARBON RESISTOR			33 5% 1/6W	
R 35	GRD161J-102	CARBON RESISTOR			1.0K 5% 1/6W	
R 36	GRD161J-224	CARBON RESISTOR			220K 5% 1/6W	
R 38	GRD161J-181	CARBON RESISTOR			180 5% 1/6W	
R 39	GRD161J-272	CARBON RESISTOR			2.7K 5% 1/6W	
R 40	GRD161J-102	CARBON RESISTOR			1.0K 5% 1/6W	
R 41	GRD161J-223	CARBON RESISTOR			22K 5% 1/6W	
R 42	GRD167J-682	CARBON RESISTOR			6.8K 5% 1/6W	
R 43	GRD161J-683	CARBON RESISTOR			68K 5% 1/6W	
R 44	GRD161J-820	CARBON RESISTOR			82 5% 1/6W	
R 45	GRD167J-682	CARBON RESISTOR			6.8K 5% 1/6W	
R 46	GRD161J-272	CARBON RESISTOR			2.7K 5% 1/6W	
R 47	GRD161J-103	CARBON RESISTOR			10K 5% 1/6W	
R 48	GRD161J-103	CARBON RESISTOR			10K 5% 1/6W	
R 49	GRD161J-104	CARBON RESISTOR			100K 5% 1/6W	
R 50	GRD161J-224	CARBON RESISTOR			220K 5% 1/6W	
R 51	GRD161J-102	CARBON RESISTOR			1.0K 5% 1/6W	
R 52	GRD161J-471	CARBON RESISTOR			470 5% 1/6W	
R 53	GRD167J-682	CARBON RESISTOR			6.8K 5% 1/6W	
R 54	GRD161J-560	CARBON RESISTOR			56 5% 1/6W	
R 71	GRD161J-153	CARBON RESISTOR			15K 5% 1/6W	
R 72	GRD161J-821	CARBON RESISTOR			820 5% 1/6W	
R 73	GRD161J-222	CARBON RESISTOR			2.2K 5% 1/6W	
R 74	GRD161J-333	CARBON RESISTOR			33K 5% 1/6W	
R 75	GRD161J-273	CARBON RESISTOR			27K 5% 1/6W	
R 76	GRD161J-223	CARBON RESISTOR			22K 5% 1/6W	

BLOCK NO. 01111111

REF.	PARTS NO.	PARTS NAME	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
IC910	NJM4580L-S	IC				
IC960	LA4445	IC			BUFFER AMP. POWER AMP.	
J 901	VGZ0007-007V	FEED THROUGH				
L 1	VGF1B30-009	ANT COIL				
L 2	VGF1B20-020	OSC COIL				
L 3	VGT7F07-502	IFT				
L 4	VGP0018-4R7	INDUCTOR				
L 5	VGM7U05-401S	OSC COIL (MM)				
L 970	V7C19A6-18AV	CHOCK COIL				
LCD 1	VGL1131-001E	LCD			FRONT:38%BACK:	
PL701	VGZ0001-036	LAMP				
PL702	VGZ0001-056	LAMP				
PL771	VGZ0001-055	LAMP				
PL773	VGZ0001-055	LAMP				
Q 1	3SK122(M,L)	FET				
Q 2	25C2839(E)	TRANSISTOR				
Q 3	25K427(T,U)	TRANSISTOR(FET)				
Q 4	25C2839(E)	TRANSISTOR				
Q 5	25C1740S(R,S)	TRANSISTOR				
Q 6	25A933S(R,S)	TRANSISTOR				
Q 7	25C1740S(R,S)	TRANSISTOR				
Q 91	25D1681(S,T)	TRANSISTOR				
Q 92	25A881	TRANSISTOR				
Q 93	25A933S(R,S)	TRANSISTOR				
Q 94	25C1740S(R,S)	TRANSISTOR				
Q 95	25A933S(R,S)	TRANSISTOR				
Q 96	BA1L4M	TRANSISTOR				
Q 101	BA1L4M	TRANSISTOR				
Q 120	25D1302(S,T)	TRANSISTOR				
Q 141	25K301(P,Q)	TRANSISTOR (FET)				
Q 142	25C1740S(R,S)	TRANSISTOR				
Q 143	25C1740S(R,S)	TRANSISTOR				
Q 201	BA1L4M	TRANSISTOR				
Q 220	25D1302(S,T)	TRANSISTOR				
Q 241	25K301(P,Q)	TRANSISTOR (FET)				
Q 242	25C1740S(R,S)	TRANSISTOR				
Q 243	25C1740S(R,S)	TRANSISTOR				
Q 701	25A933S(R,S)	TRANSISTOR				
Q 702	25A933S(R,S)	TRANSISTOR				
Q 703	25A933S(R,S)	TRANSISTOR				
Q 704	BA1A4M	TRANSISTOR				
Q 705	BA1L4M	TRANSISTOR				
Q 721	25D1994(R,S)	TRANSISTOR				
Q 722	25A933S(R,S)	TRANSISTOR				
Q 723	25C1740S(R,S)	TRANSISTOR				
Q 724	25C1740S(R,S)	TRANSISTOR				
Q 725	25C1740S(R,S)	TRANSISTOR				
Q 726	25C1740S(R,S)	TRANSISTOR				
Q 801	25C1740S(R,S)	TRANSISTOR				
Q 901	25C1740S(R,S)	TRANSISTOR				
Q 930	BN1L4M	TRANSISTOR				
Q 931	BN1L4M	TRANSISTOR				
Q 941	BN1L4M	TRANSISTOR				
Q 942	BA1L4M	TRANSISTOR				
Q 943	25C1740S(R,S)	TRANSISTOR				

BLOCK NO. 01111111

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R 241	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
R 242	QRD161J-271	CARBON RESISTOR	270 5% 1/6W	
R 243	QRD161J-333	CARBON RESISTOR	33K 5% 1/6W	
R 244	QRD161J-332	CARBON RESISTOR	3.3K 5% 1/6W	
R 245	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
R 246	QRD161J-274	CARBON RESISTOR	270K 5% 1/6W	
R 247	QRD161J-681	CARBON RESISTOR	680 5% 1/6W	
R 248	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
R 249	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
R 250	QRD161J-335YK	CARBON RESISTOR	3.3M 5% 1/6W	
R 251	QRD161J-335YK	CARBON RESISTOR	3.3M 5% 1/6W	
R 252	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
R 253	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
R 254	QRD161J-682	CARBON RESISTOR	6.8K 5% 1/6W	
R 260	QRD161J-330	CARBON RESISTOR	33 5% 1/6W	
R 261	QRD161J-2R2	CARBON RESISTOR	2.2 5% 1/6W	
R 301	QRD161J-392	CARBON RESISTOR	3.9K 5% 1/6W	
R 302	QRD161J-393	CARBON RESISTOR	39K 5% 1/6W	
R 401	QRD161J-392	CARBON RESISTOR	3.9K 5% 1/6W	
R 402	QRD161J-393	CARBON RESISTOR	39K 5% 1/6W	
R 701	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
R 702	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
R 703	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
R 704	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
R 705	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
R 706	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
R 707	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
R 708	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
R 709	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
R 710	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
R 711	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
R 721	QRD141J-151S	CARBON RESISTOR	150 5% 1/4W	
R 722	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
R 723	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
R 724	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
R 725	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R 726	QRD161J-271	CARBON RESISTOR	270 5% 1/6W	
R 727	QRD161J-332	CARBON RESISTOR	3.3K 5% 1/6W	
R 728	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
R 729	QRD161J-152	CARBON RESISTOR	1.5K 5% 1/6W	
R 730	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R 731	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R 735	QRD161J-820	CARBON RESISTOR	82 5% 1/6W	
R 754	QRD161J-272	CARBON RESISTOR	2.7K 5% 1/6W	
R 755	QRD161J-272	CARBON RESISTOR	2.7K 5% 1/6W	
R 756	QRD161J-272	CARBON RESISTOR	2.7K 5% 1/6W	
R 757	QRD161J-682	CARBON RESISTOR	6.8K 5% 1/6W	
R 758	QRD161J-682	CARBON RESISTOR	6.8K 5% 1/6W	
R 759	QRD161J-682	CARBON RESISTOR	6.8K 5% 1/6W	
R 760	QRD161J-682	CARBON RESISTOR	6.8K 5% 1/6W	
R 781	QRD161J-681	CARBON RESISTOR	680 5% 1/6W	
R 782	QRD161J-681	CARBON RESISTOR	680 5% 1/6W	
R 901	QRD161J-220	CARBON RESISTOR	22 5% 1/6W	
R 902	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
R 903	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	

BLOCK NO. 01111111

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R 77	QRD161J-512	CARBON RESISTOR	5.1K 5% 1/6W	
R 78	QRD161J-334	CARBON RESISTOR	330K 5% 1/6W	
R 79	QRD161J-220	CARBON RESISTOR	22 5% 1/6W	
R 92	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
R 93	QRD161J-333	CARBON RESISTOR	33K 5% 1/6W	
R 94	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
R 95	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R 96	QRD161J-333	CARBON RESISTOR	33K 5% 1/6W	
R 97	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
R 98	QRD161J-333	CARBON RESISTOR	33K 5% 1/6W	
R 99	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
R 101	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
R 102	QRD161J-151	CARBON RESISTOR	150 5% 1/6W	
R 103	QRD161J-334	CARBON RESISTOR	330K 5% 1/6W	
R 104	QRD161J-153	CARBON RESISTOR	15K 5% 1/6W	
R 105	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R 110	QRD161J-273	CARBON RESISTOR	27K 5% 1/6W	
R 111	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
R 112	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
R 114	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
R 120	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
R 130	QRD161J-392	CARBON RESISTOR	3.9K 5% 1/6W	
R 131	QRD161J-681	CARBON RESISTOR	680 5% 1/6W	
R 132	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R 133	QRD161J-122	CARBON RESISTOR	1.2K 5% 1/6W	
R 141	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
R 142	QRD161J-271	CARBON RESISTOR	270 5% 1/6W	
R 143	QRD161J-333	CARBON RESISTOR	33K 5% 1/6W	
R 144	QRD161J-332	CARBON RESISTOR	3.3K 5% 1/6W	
R 145	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
R 146	QRD161J-274	CARBON RESISTOR	270K 5% 1/6W	
R 147	QRD161J-681	CARBON RESISTOR	680 5% 1/6W	
R 148	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
R 149	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
R 150	QRD161J-335YK	CARBON RESISTOR	3.3M 5% 1/6W	
R 151	QRD161J-335YK	CARBON RESISTOR	3.3M 5% 1/6W	
R 152	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
R 153	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
R 154	QRD161J-682	CARBON RESISTOR	6.8K 5% 1/6W	
R 160	QRD161J-330	CARBON RESISTOR	33 5% 1/6W	
R 161	QRD161J-2R2	CARBON RESISTOR	2.2 5% 1/6W	
R 201	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
R 202	QRD161J-151	CARBON RESISTOR	150 5% 1/6W	
R 203	QRD161J-334	CARBON RESISTOR	330K 5% 1/6W	
R 204	QRD161J-153	CARBON RESISTOR	15K 5% 1/6W	
R 205	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R 210	QRD161J-273	CARBON RESISTOR	27K 5% 1/6W	
R 211	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
R 212	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
R 214	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
R 220	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
R 230	QRD161J-392	CARBON RESISTOR	3.9K 5% 1/6W	
R 231	QRD161J-681	CARBON RESISTOR	680 5% 1/6W	
R 232	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R 233	QRD161J-122	CARBON RESISTOR	1.2K 5% 1/6W	

BLOCK NO. 04		BLOCK NO. 04		BLOCK NO. 04		BLOCK NO. 04	
REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX			
R 910	GRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W				
R 911	GRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W				
R 912	GRD161J-101	CARBON RESISTOR	100 5% 1/6W				
R 930	GRD141J-102S	CARBON RESISTOR	1.0K 5% 1/4W				
R 934	GRD161J-22	CARBON RESISTOR	2.2K 5% 1/6W				
R 941	GRD161J-103	CARBON RESISTOR	10K 5% 1/6W				
R 942	GRD161J-104	CARBON RESISTOR	100K 5% 1/6W				
R 943	GRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W				
R 944	GRD161J-122	CARBON RESISTOR	1.2K 5% 1/6W				
R 945	GRD161J-184	CARBON RESISTOR	180K 5% 1/6W				
R 946	GRD161J-182	CARBON RESISTOR	1.8K 5% 1/6W				
R 947	GRD161J-184	CARBON RESISTOR	180K 5% 1/6W				
R 948	GRD161J-561	CARBON RESISTOR	560 5% 1/6W				
R 949	GRD161J-475	CARBON RESISTOR	4.7M 5% 1/6W				
R 950	GRD161J-220	CARBON RESISTOR	22 5% 1/6W				
R 971	GRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W				
R 972	GRD161J-473	CARBON RESISTOR	47K 5% 1/6W				
R 973	GRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W				
RM 01	GRD161J-473	CARBON RESISTOR	47K 5% 1/6W				
RM 02	GRD161J-103	CARBON RESISTOR	10K 5% 1/6W				
RY970	VSK1D12-118	RELAY					
S 771	QSQ1B11-V01Z	TACT SWITCH	FBS				
S 772	QSQ1B11-V01Z	TACT SWITCH	SHIFT/MANU				
S 773	QSQ1B11-V01Z	TACT SWITCH	BAND/CLOCK				
S 774	QSQ1B11-V01Z	TACT SWITCH	UP				
S 775	QSQ1B11-V01Z	TACT SWITCH	DOWN				
S 776	QSQ1B11-V01Z	TACT SWITCH	M1/PSCAN				
S 777	QSQ1B11-V01Z	TACT SWITCH	M2/MONO				
S 778	QSQ1B11-V01Z	TACT SWITCH	M3/SCAN				
S 779	QSQ1B11-V01Z	TACT SWITCH	M4				
S 780	QSQ1B11-V01Z	TACT SWITCH	M5				
T 1	VQF1B13-005	RF COIL					
T 2	VQF7F18-101	IFT					
T 3	VQZ0028-001S	ANT COIL					
T 4	VQZ0027-001S	ANT COIL					
T 5	VQ7A21-105	IFT					
T 6	VQ7A11-206S	IFT					
TC 1	QAT3722-100M	T-CAPACITOR					
TC 2	QAT3722-200ZM	T-CAPACITOR					
TC701	QAT3722-200ZM	T-CAPACITOR					
TP 2	VMZ0015-002	POST PIN	FOR FM VT				
TP 3	QMV5005-002	CONNECTOR					
VR920	VCV1001-152	V RESISTOR	BASS CONT.				
VR921	VCV1001-153	V RESISTOR	TREBLE CONT.				
VR922	VCV1001-151	V RESISTOR	SW/VOL./FAD				
X 701	V472124-A0	CRYSTAL					

## 8 Exploded View of Enclosure Assembly

### Enclosure Parts List

BLOCK NO. M1MM

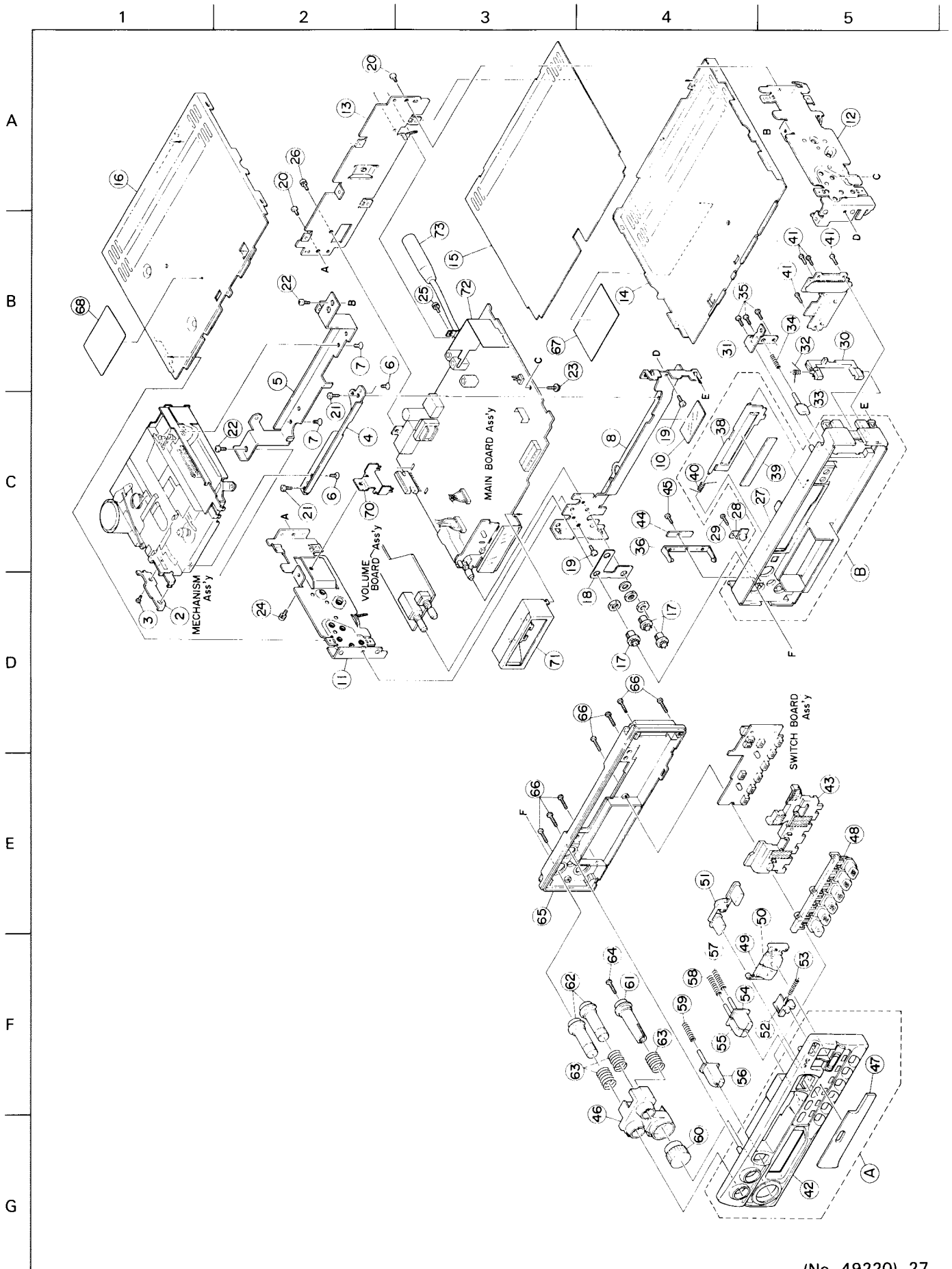
REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
A	ZCKSRT35K-NPA	NOSE PIECE ASSY	42,47,	1		
B	ZCKSRT35K-FB	FRONT PANEL	27,38-40,	1		
2	VKL72226-003	EJECT LEVER		1		
3	SPSK2625Z	MINI SCREW		1		
4	VKM3645-001	MECHA BRACKET F		1		
5	VKM3594-001	MECHA BRACKET R		1		
6	SSSP3005Z	SCREW	MECHA+M.BKT(F)	2		
7	SSSP3005Z	SCREW	MECHA+M.BKT(R)	2		
8	VKM3642-001	FRONT BRACKET		1		
10	VYSS1R4-006	SPACER	FRONT BKT	1		
11	VKL2723-001	SIDE BKT(L)		1		
12	VKL2724-001	SIDE BKT(R)		1		
13	VKM3349-001	REAR BRACKET		1		
14	VKM3352-004	BOTTOM COVER		1		
15	VMA3167-004	INSULATOR		1		
16	VKM3398-005	TOP COVER		1		
17	VKS5439-001	SHAFT KNOB		3		
18	VKL7274-002	VOLUME HOLDER		1		
19	SDST2605Z	SCREW	SIDE(L&R)+FRONT	2		
20	SDST2605Z	SCREW	SIDE(L&R)+REAR	2		

BLOCK NO. M1MM [ ] [ ] [ ] [ ]

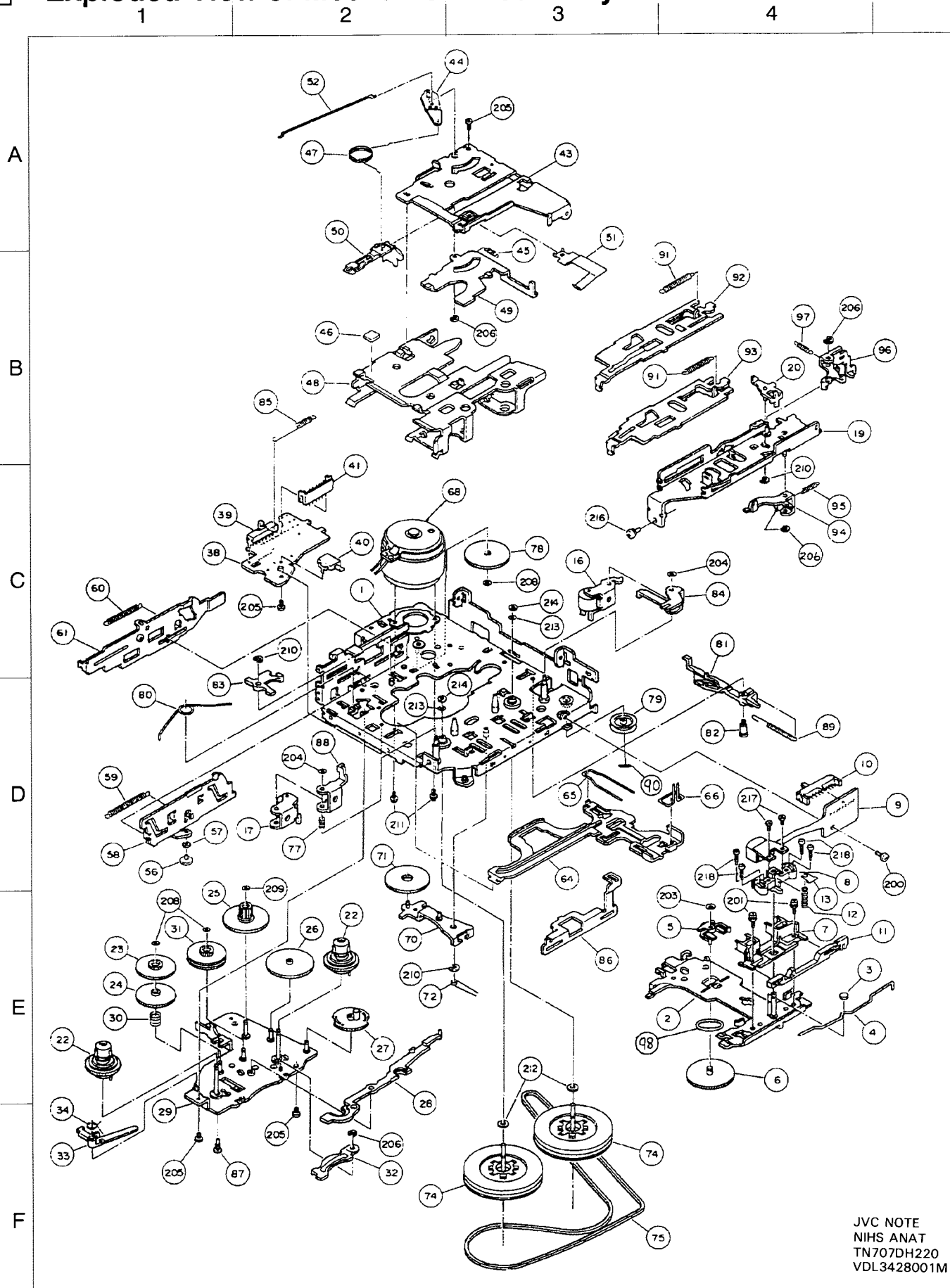
A	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	21	SDST2605Z	SCREW	M.BKT+FRONT BKT	2		
	22	SSST2606Z	SCREW	M.BKT+SIDE(L&R)	2		
	23	VKZ4345-005	SPECIAL SCREW		1		
	24	LPSP3005Z	SCREW	S.BKT(L)+IC BKT	1		
	25	LPSP3005Z	SCREW	REAR BKT+ANT.CO	1		
	26	LPSP3005Z	SCREW	9P CONNECTOR+RE	1		
	27	FSJC2004-002	FRONT CHASSIS		1		
	28	VJK4399-002	LENS		1		
	29	SPSN1755N	MINI SCREW	F.CHASSIS+LENS	1		
	30	VKS5438-001	LOCK LEVER		1		
	31	VKL7267-001	LEVER BRACKET		1		
	32	VKW5093-001	TORSION SPRING	FOR LOCK LEVER	1		
	33	VXP5139-001	RLS KNOB		1		
	34	VKW3001-298	COMP.SPRING		1		
	35	SDSF2006Z	SCREW	F.CHAASIS+L.BKT	3		
	36	VKY4665-00E	LOCK SP ASS'Y		1		
	38	VJC4145-002SS	CASSETTE LID		1		
	39	FSJC4001-001	LID PLATE		1		
	40	VKW4947-003	DOOR SPRING		1		
	41	SPSN1755N	MINI SCREW	F.CHASSIS+C.PWB	4		
	42	FSJC1010-006	FRONT PANEL		1		
	43	ZCKSRT35K-LENS	LIGHT LENS ASSY		1		
	44	VKL7647-001	PLATE		1		
	45	SDSF2008M	SCREW	F.CHASSIS+L.SPR	1		
	46	VJK2182-001	KNOB LENS		1		
	47	FSJD3006-00F	FINDER		1		
	48	VXP2066-001	PRESET BUTTON		1		
	49	VXP3571-001	DOWN BUTTON		1		
	50	VXP3572-001	UP BUTTON		1		
	51	VXP3577-005	PUSH BUTTON		1		
	52	FSXP3007-002	DETACH BUTTON		1		
	53	VKW3001-302	COMP. SPRING	FOR DETACH BUTT	1		
	54	FSXP3009-001	FF BUTTON		1		
	55	FSXP3010-001	REW BUTTON		1		
	56	FSXP3008-001	EJECT BUTTON		1		
	57	VKW3001-304	COMP. SPRING	FOR FF BUTTON	1		
	58	VKW3001-304	COMP. SPRING	FOR REW BUTTON	1		
	59	VKW3001-304	COMP. SPRING	FOR EJECT BUTTO	1		
	60	VXL4428-001	VOL KNOB		1		
	61	VKS5445-001	VOL KNOB(R)		1		
	62	VXL4429-001	TONE KNOB		2		
	63	VKW5071-001	COMP. SPRING	FOR TONE KNOB	3		
	64	SPSN1755N	MINI SCREW	VOL KNOB(F)+(R)	1		
	65	FSJC1012-002	REAR COVER		1		
	66	SPSN1755N	MINI SCREW	FRONT+REAR	7		
	67	FSYN3004-006			1		
	68	VND4391-001	CAUTION LABEL		1		
	70	VKL6996-001	IC BRACKET		1		
	71	VKL2631-002	LAMP CASE		1		
	72	VMA4385-002	SHIELD PLATE		1		
	73	FSMP0001-001	ANT SOCKET		1		



■ Exploded View of Enclosure Assembly



# 9 Exploded View of Mechanism Assembly



JVC NOTE  
NIHS ANAT  
TN707DH220  
VDL3428001M

## ● Mechanism parts list

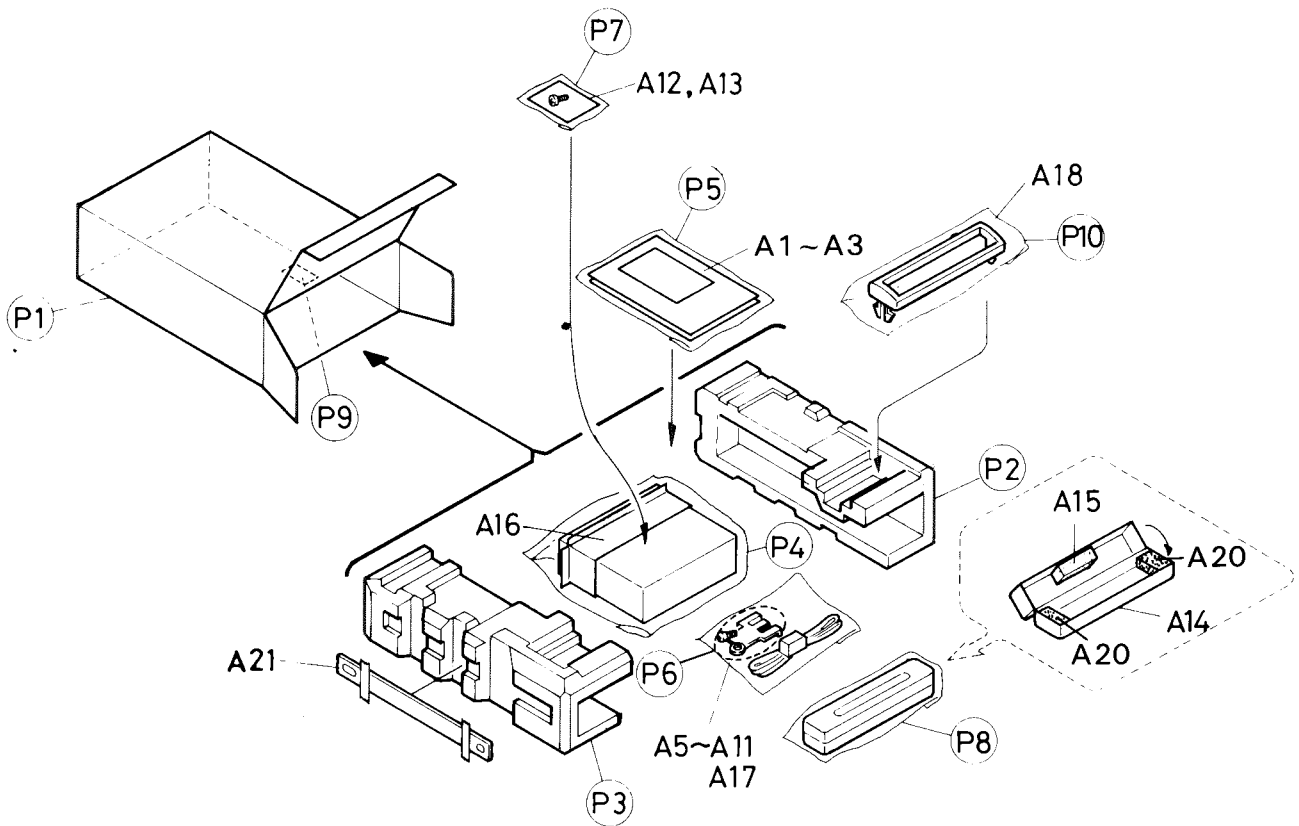
BLOCK NO.  

△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	1	194001519T	CHASSIS ASS'Y		1		
	2	194016501T	HEAD PANEL ASY		1		
	3	19400303T	SP ROLLER		1		
	4	19400304T	P.R.SPRING		1		
	5	19400305T	P.GEAR METAL		1		
	6	19400306T	P.GEAR		1		
	7	19400312T	TAPE GUIDE U		1		
	8	19400327T	HEAD HOLDER B		1		
	9	62011702T	HEAD	P-7542-BB0571	1		
	10	64020207T	SLIDE SWITCH	SSSSA3002A	1		
	11	19400328T	SHIFT PLATE B		1		
	12	19400315T	H.G SPRING		1		
	13	9F2635010T	FASTEN WASHER		1		
	16	194004301T	P.ROLL.ARM(F)AS		1		
	17	194004302T	P.ROLL.ARM(R)AS		1		
	19	194005503T	F.R.BKT(M)ASS'Y		1		
	20	194005504T	SEESAW P(M)ASY.		1		
	22	194006302T	T.REEL ASS'Y		2		
	23	19400612T	P.GEAR (R)		1		
	24	19400613T	F.GEAR (R)		1		
	25	19400615T	P.D.GEAR		1		
	26	19400616T	E.D.GEAR		1		
	27	19400617AT	REVERSE GEAR(M)		1		
	28	19400648T	E.D.PLATE B		1		
	29	194002501T	M.G.P.SEMI-ASY.		1		
	30	19400635T	TN SPRING		1		
	31	194006312T	P.CLUTCH ASS'Y		1		
	32	194014129T	LIFT UP PLATE		1		
	33	19401464T	ANTI-REV ARM		1		
	34	19401460T	TRI ARM SPRING		1		
	38	19400704T	SW SUBSTRATE		1		
	39	64020206T	SLIDE SWITCH	SSSSA2001A SM01	1		
	40	64020405T	PUSH SWITCH	SPVC11001A SM02	1		
	41	68140245T	CONNECTOR	53253-0720	1		
	43	19400801T	CASE LIFTER		1		
	44	184008503T	P.E PLATE ASS'Y		1		
	45	18400820T	SPRING		1		
	46	18400875T	CUSSHION RUBBER		1		
	47	19400813T	REVERSE SP.C		1		
	48	19401410T	CASSETTE CASE M		1		
	49	19400804T	C.D PLATE B		1		
	50	19400810T	PACK SLIDER		1		
	51	19400806T	PACK PRESS.SP.		1		
	52	18400823T	P.E SPRING		1		
	56	19400901T	H.P.ROLLER(A)		1		
	57	19400902T	H.P.ROLLER(B)		1		
	58	19400903T	C.H.PUSH PLAT.M		1		
	59	19400905T	C.H.SPRING		1		
	60	19400906T	PUSH LEVER SP.		1		
	61	19400907T	PUSH LEVER M		1		
	64	19401001T	MAIN PLATE		1		
	65	19401002T	M.S.SPRING		1		
	66	19401007T	H.S.SPRING		1		
	68	194011310T	MOTOR ASS'Y	MCI-5U3LCKA	1		

BLOCK NO. M2MM

REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
70	194012504T	FR W.PLT.SEM.AS		1		
71	19401703T	F.GEAR		1		
72	19401704T	FR SPRING M		1		
74	194013303T	F.L.CAPS.ASS'Y		2		
75	19401417T	MAIN BELT		1		
77	18400437T	P.P SPRING		1		
78	194014123T	MAIN GEAR M		1		
79	194014115T	MIDDLE PULLEY		1		
80	19401403T	HEAD PANEL SP.M		1		
81	19401405T	TRIGGER ARM(C)		1		
82	19401406T	COLLAR SCREW(T)		1		
83	19401408T	H.P.PUSH ARM		1		
84	19401409T	SEESAW WRK.PLT.		1		
85	19401412T	POWER SW.SPRING		1		
86	194014127T	FR SLIDE PLT.M		1		
87	19401415T	COLLAR SCREW(P)		1		
88	19401416T	H.P.RETURN ARM		1		
89	19401407T	T.A.SPING(C)		1		
90	9W0225010T	P.WASHER CUT		1		
91	19401589T	FR LEVER SPRING		2		
92	19401590T	FF LEVER (MH)		1		
93	19401591T	REW LEVER (MH)		1		
94	19401503T	P.C.PLATE		1		
95	19401504T	P.C.SPRING		1		
96	19401505T	ROCK PLATE (M)		1		
97	19401506T	ROCK PLATE SP.M		1		
98	9W0540020T	HL WASHER	10 X 14 X 0.4	1		
200	9P1220051T	S TAPPING SCREW	M2 X 5	1		
201	9P0220051T	TAMS SCREW	M2 X 5	2		
203	9W0640070T	HL WASHER CUT	2.1 X 4 X 0.4	1		
204	9W0630060T	HL WASHER CUT	1.6 X 3.8 X 0.3	2		
205	9C0420303T	S TAPPING SCREW	FOR CAMERA M2X3	4		
206	9E0100152T	E RING	S1.5	4		
208	9W0625030T	HL WASHER CUT	1.2 X 3 X 0.25	3		
209	9W0630050T	HL WASHER CUT	1.6 X 3.4 X 0.3	1		
210	9E0100202T	E RING	S2.0	3		
211	9P0220031T	TAMS SCREW	M2 X 3	2		
212	9W0513060T	HL WASHER	2.1 X 5 X 0.13	2		
213	9W0520010T	HL WASHER CUT	1.85 X 3.2 X 0.	2		
214	9W0650030T	HL WASHER CUT	1.5 X 3.2 X 0.5	2		
216	9P0226041T	TAMS SCREW	M2.6 X 4	1		
217	9F2720401T	SCREW	FOR HEAD	2		
218	9F2220071T	ADJUST SCREW		4		

# 10 Packing Illustration and Packing Parts List



### ● Packing parts list

BLOCK NO.

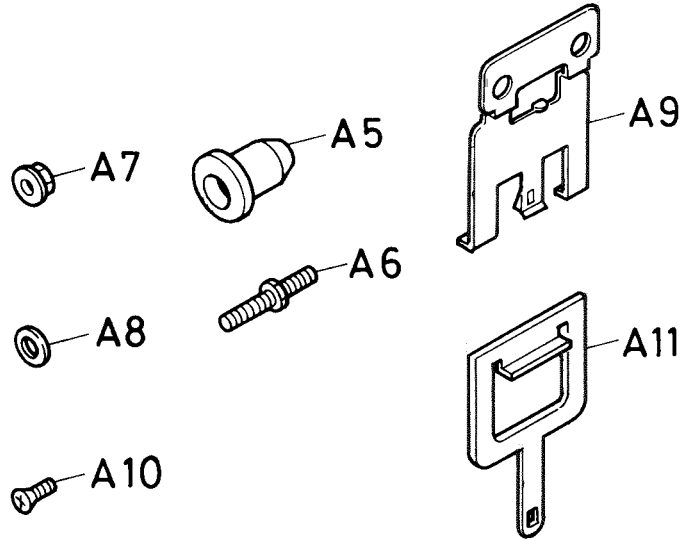
△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
P	1	FSPE3001-005	CARTON		1		
P	2	VPH1647-002	CUSHION(L)		1		
P	3	VPH1648-002	CUSHION(R)		1		
P	4	VPE3020-046	POLY BAG	FOR SET	1		
P	5	QPGA017-02505	POLY BAG	FOR INSTRUCTION	1		
P	6	QPGA008-01205	POLY BAG	FOR SCREW KIT 1	1		
P	7	QPGA008-01205	POLY BAG	FOR SCREW KIT 2	1		
P	8	QPGA010-03003	POLY.BAG	FOR HARD CASE	1		
P	9	VND3046-001	SERIAL TICKET		1		
P	10	QPGA010-03003	POLY.BAG	FOR TRIM PLATE	1		

### ● Accessories list

BLOCK NO.

△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
A	1	FSUN3004-631S	INSTRUCTIONS		1		
A	2	VNC2400-066	CAUTION SHEET		1		
A	3	VNC2400-099	CAUTION SHEET		1		
A	5	VKZ4027-202	PLUG NUT		1		
A	6	VKH4871-001	MOUNT BOLT		1		
A	7	VKZ4328-001	LOCK NUT	FOR M5	1		
A	8	WNS5000Z	WASHER		1		
A	9	VKY3124-001	SIDE SPRING		2		
A	10	SSSP4006Z	SCREW	FOR SIDE SPRING	4		
A	11	VKL7233-001	HOOK		2		
A	12	SPSJ1725M	MINI SCREW		1		
A	13	VND4619-001	SHEET		1		
A	14	VJB2014-001	HARD CASE		1		
A	15	VYSH118-002	SPACER	FOR HARD CASE	1		
A	16	VKL3732-018SS	MOUNTING SLEEVE		1		
A	17	VMC0014-103A	9P CORD ASS'Y		1		
A	18	FSJD2004-002	TRIM PLATE		1		
A	20	FSYH3008-002	SPACER		2		
A	21	VKL5460-001	STAY		1		
KIT	1	KSRT35K-SCREW1	SCREW KIT 1	P6,A5-A11	1		
KIT	2	KSRT30K-SCREW2	SCREW KIT2	P7,A12-A13	1		

■ Screw Kit Illustration  
(KSRT30K – SCREW1)



**JVC**

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