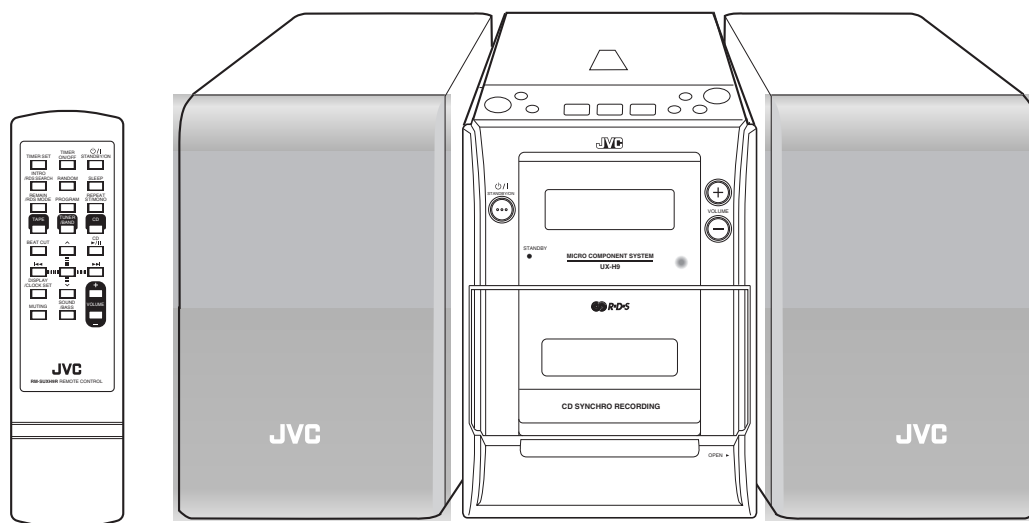


# JVC

## SERVICE MANUAL

### MICRO COMPONENT SYSTEM

## UX-H9



COMPACT  
disc  
DIGITAL AUDIO

R-D-S

#### Area Suffix

E ----- Continental Europe  
EN ----- Noerthern Europe

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## SPECIFICATION

Amplifier Section CA-UXH9	Output Power (IEC 268-3)	10 W (5 W + 5 W) at 4 $\Omega$ (10% THD)
	Speakers/Impedance	4 $\Omega$ - 16 $\Omega$
Tuner	FM tuning range	87.50 MHz-108.00 MHz
	AM (MW) tuning range	522 kHz-1 629 kHz
CD player	Dynamic range	60 dB
	Signal-to-noise ratio	60 dB
	Wow and flutter	Immeasurable
Cassette deck	Frequency response	Normal (type I):100 Hz-10 000 Hz
	Wow and flutter	0.35 % (WRMS)
General	Power requirement	AC 230 V , 50 Hz
	Power consumption	22 W (at operation)
		3.0 W (on standby)
	Dimensions (W/H/D) (approx.)	145 mm $\times$ 209 mm $\times$ 226 mm
Mass (approx.)	2.8 kg	
Speaker Section SP-UXH9	Type	Full range Bass-reflex type
	Speakers	10 cm cone $\times$ 1
	Power handling capacity	5 W
	Impedance	4 $\Omega$
	Frequency range	100 Hz to 15 kHz
	Dimensions (W/H/D) (approx.)	135 mm $\times$ 209 mm $\times$ 152 mm
	Mass (approx.)	1.3 kg each

Design and specifications are subject to change without notice.

# SECTION 1 PRECAUTION

## 1.1 Safety Precautions

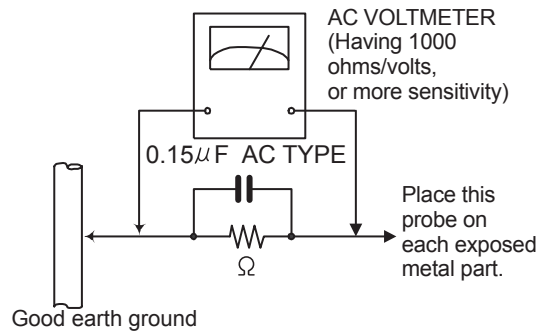
- (1) This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by ( $\Delta$ ) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.
- (4) The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after reassembling.
- (5) Leakage shock hazard testing

After reassembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock. Do not use a line isolation transformer during this check.

  - Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.).
  - Alternate check method  
Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000 $\Omega$  per volt or more sensitivity in the following manner. Connect a 1,500 $\Omega$  10W resistor paralleled by a 0.15 $\mu$ F AC-type capacitor between an exposed metal part and a known good earth ground. Measure the AC voltage across the resistor with the AC

voltmeter.

Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Voltage measured any must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



## 1.2 Warning

- (1) This equipment has been designed and manufactured to meet international safety standards.
- (2) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
- (3) Repairs must be made in accordance with the relevant safety standards.
- (4) It is essential that safety critical components are replaced by approved parts.
- (5) If mains voltage selector is provided, check setting for local voltage.


## 1.3 Caution

**Burrs formed during molding may be left over on some parts of the chassis.**  
**Therefore, pay attention to such burrs in the case of pre-forming repair of this system.**

## 1.4 Critical parts for safety

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (  $\text{---}$  ), diode (  $\text{---}$  ) and ICP (  $\bullet$  ) or identified by the " $\Delta$ " mark nearby are critical for safety. When replacing them, be sure to use the parts of the same type and rating as specified by the manufacturer. (This regulation does not Except the J and C version)

## 1.5 Safety Precautions (U.K only)

- (1) This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits.
- (2) Any unauthorised design alterations or additions will void the manufacturer's guarantee; furthermore the manufacturer cannot accept responsibility for personal injury or property damage resulting therefrom.
- (3) Essential safety critical components are identified by (  ) on the Parts List and by shading on the schematics, and must never be replaced by parts other than those listed in the manual. Please note however that many electrical and mechanical parts in the product have special safety related characteristics. These characteristics are often not evident from visual inspection. Parts other than specified by the manufacturer may not have the same safety characteristics as the recommended replacement parts shown in the Parts List of the Service Manual and may create shock, fire, or other hazards.
- (4) The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.

### 1.5.1 Warning

- (1) Service should be performed by qualified personnel only.
- (2) This equipment has been designed and manufactured to meet international safety standards.
- (3) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
- (4) Repairs must be made in accordance with the relevant safety standards.
- (5) It is essential that safety critical components are replaced by approved parts.
- (6) If mains voltage selector is provided, check setting for local voltage.



**CAUTION** Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of preforming repair of this system.

## 1.6 Preventing static electricity

Electrostatic discharge (ESD), which occurs when static electricity stored in the body, fabric, etc. is discharged, can destroy the laser diode in the traverse unit (optical pickup). Take care to prevent this when performing repairs.

### 1.6.1 Grounding to prevent damage by static electricity

Static electricity in the work area can destroy the optical pickup (laser diode) in devices such as CD players.

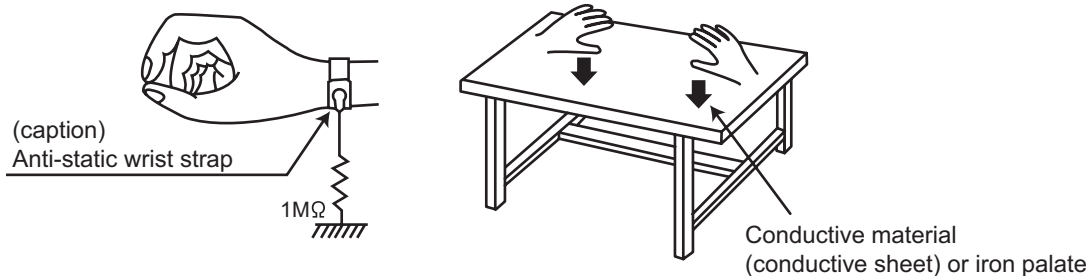
Be careful to use proper grounding in the area where repairs are being performed.

(1) Ground the workbench

Ground the workbench by laying conductive material (such as a conductive sheet) or an iron plate over it before placing the traverse unit (optical pickup) on it.

(2) Ground yourself

Use an anti-static wrist strap to release any static electricity built up in your body.



(3) Handling the optical pickup

- In order to maintain quality during transport and before installation, both sides of the laser diode on the replacement optical pickup are shorted. After replacement, return the shorted parts to their original condition. (Refer to the text.)
- Do not use a tester to check the condition of the laser diode in the optical pickup. The tester's internal power source can easily destroy the laser diode.

## 1.7 Handling the traverse unit (optical pickup)

- (1) Do not subject the traverse unit (optical pickup) to strong shocks, as it is a sensitive, complex unit.
- (2) Cut off the shorted part of the flexible cable using nippers, etc. after replacing the optical pickup. For specific details, refer to the replacement procedure in the text. Remove the anti-static pin when replacing the traverse unit. Be careful not to take too long a time when attaching it to the connector.
- (3) Handle the flexible cable carefully as it may break when subjected to strong force.
- (4) It is not possible to adjust the semi-fixed resistor that adjusts the laser power. Do not turn it.

## 1.8 Attention when traverse unit is decomposed

**\*Please refer to "Disassembly method" in the text for the CD pickup unit.**

- Apply solder to the short land sections before the flexible wire is disconnected from the connector on the CD servo board. (If the flexible wire is disconnected without applying solder, the CD pickup may be destroyed by static electricity.)
- In the assembly, be sure to remove solder from the short land sections after connecting the flexible wire.

## 1.9 Important for laser products

### 1. CLASS 1 LASER PRODUCT

**2. DANGER :** Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.

**3. CAUTION :** There are no serviceable parts inside the Laser Unit. Do not disassemble the Laser Unit. Replace the complete Laser Unit if it malfunctions.

**4. CAUTION :** The compact disc player uses invisible laser radiation and is equipped with safety switches which prevent emission of radiation when the drawer is open and the safety interlocks have failed or are defeated. It is dangerous to defeat the safety switches.

**5. CAUTION :** If safety switches malfunction, the laser is able to function.

**6. CAUTION :** Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.



**CAUTION** Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation check.

**VARNING :** Osynlig laserstrålning är denna del är öppnad och spårren är urkopplad. Betrakta ej strålen.

**VARO :** Avattaessa ja suojalukitus ohitettaessa olet alltiina näkymättömälle lasersäteilylle. Älä katso säteeseen.

**ADVARSEL :** Usynlig laserstrålning ved åbning , når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

**ADVARSEL :** Usynlig laserstrålning ved åbning, når sikkerhedsbryteren er avslott. unngå utsettelse for stråling.

## REPRODUCTION AND POSITION OF LABEL and PRINT

**CLASS 1  
LASER PRODUCT**

**CAUTION:** Invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)

**ADVARSEL:** Usynlig laserstrålning ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling (d)

**VARNING:** Osynlig laserstrålning när denna del är öppnad och spårren är urkopplad. Betrakta ej strålen. (s)

**VARO:** Avattaessa ja suojalukitus ohitettaessa olet alltiina näkymättömälle lasersäteilylle. Älä katso säteeseen. (f)

**SECTION 2**  
**SPECIFIC SERVICE INSTRUCTIONS**

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

# SECTION 3 DISASSEMBLY

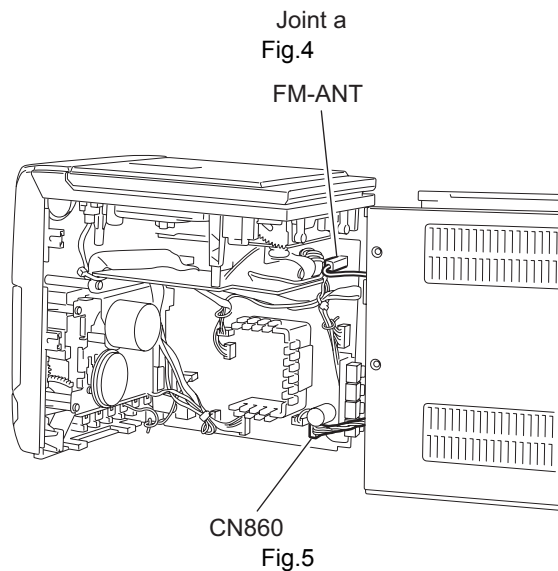
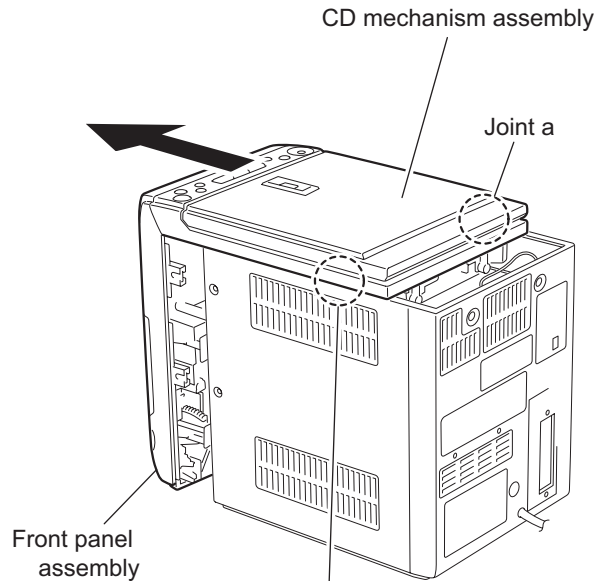
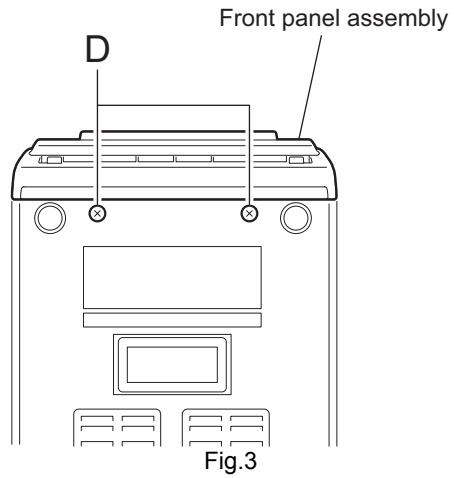
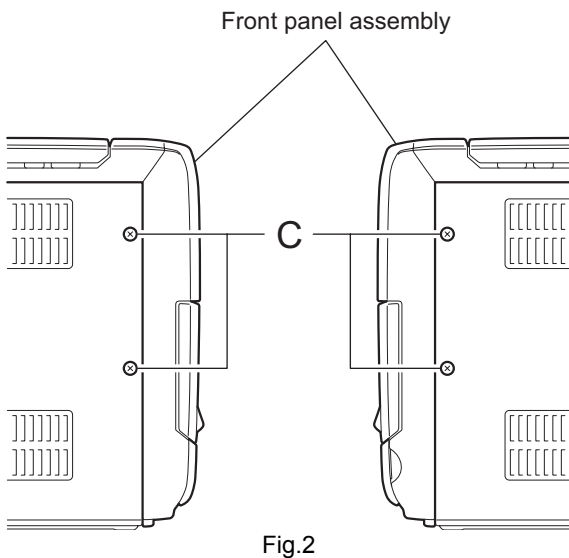
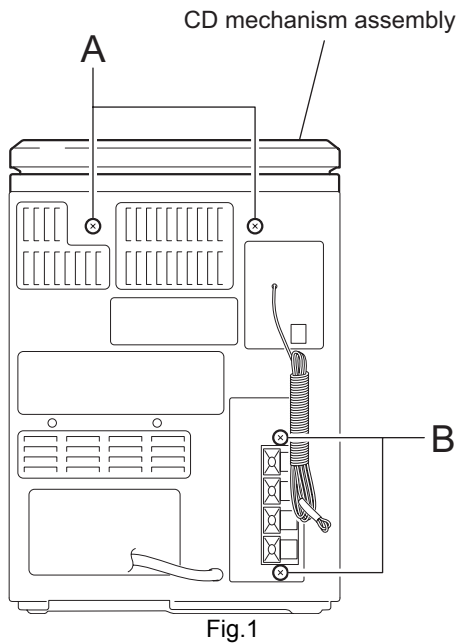
## 3.1 Main body

### 3.1.1 Removing the Front panel assembly (See Fig.1 ~ 5)

- (1) Remove the two screws **A** and the two screws **B** on the back of the body.
- (2) Remove the four screws **C** on each side of the body.
- (3) Remove the two screws **D** on the bottom of the body.
- (4) Move the front panel assembly in the direction of the arrow and detach. Disconnect the wire from connector **CN860** and FM-ANT.

#### Caution:

When reassembling, set the tab "a" on the right and left side to the groove, and move.





### 3.1.2 Removing the Main board (See Fig.6 , 7)

- Prior to performing the following procedure, remove the front panel assembly.
  - (1) Disconnect the wire from all connectors on the main board.
  - (2) Remove the two screws **E** and release the joint **b**.

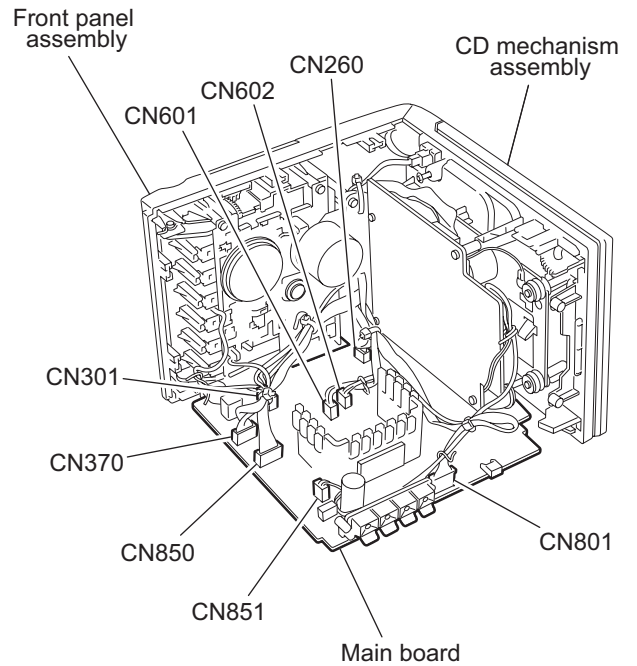


Fig.6

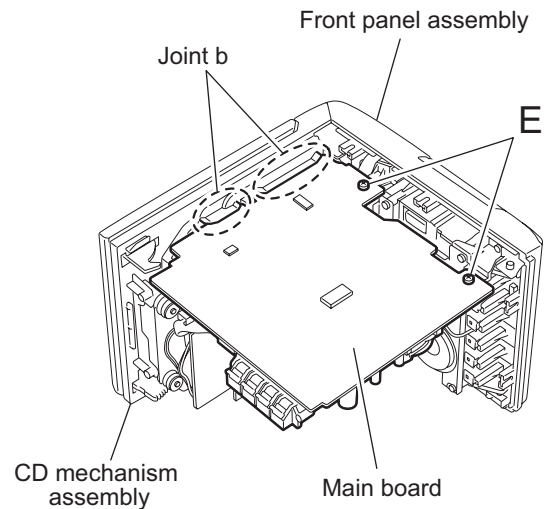


Fig.7

### 3.1.3 Removing the CD mechanism assembly and the Switch board (See Fig.8 ~ 10)

- Prior to performing the following procedure, remove the front panel assembly and the main board.
  - (1) Cut off the four bands setting the wires.
  - (2) Disconnect the wire from connector on the CD open switch and [CN705](#) on the CD mechanism board.
  - (3) Remove the two screws **F** on the front panel assembly.
  - (4) Release the joint **d** of the CD mechanism assembly.
  - (5) Remove the five screws **G** attaching the switch board to the CD mechanism assembly.

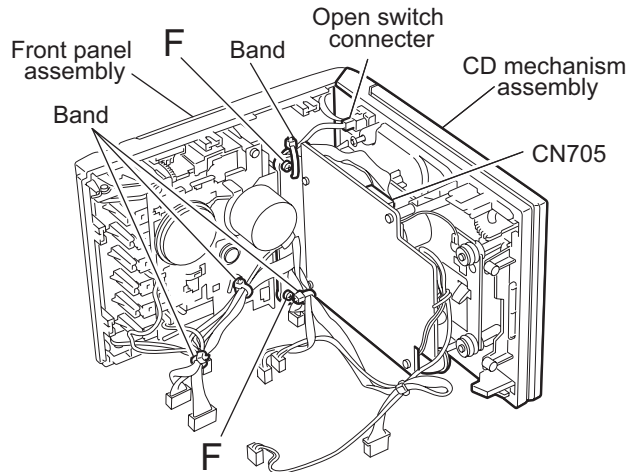


Fig.8

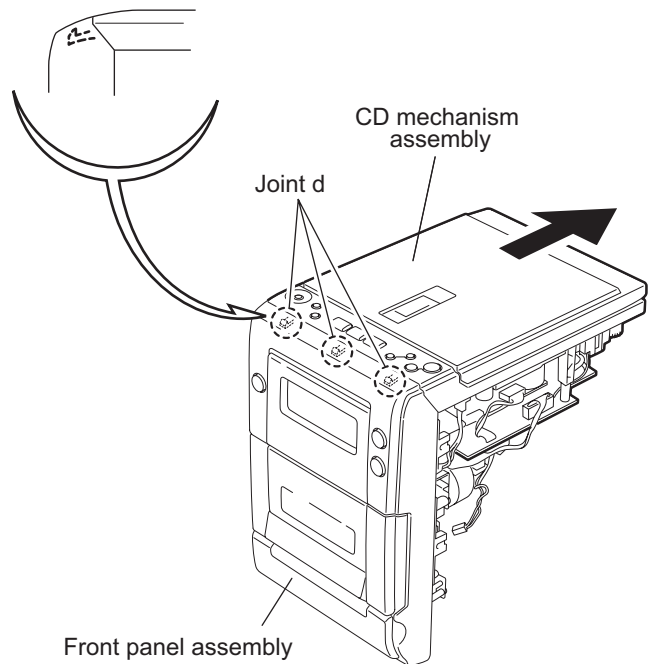


Fig.9

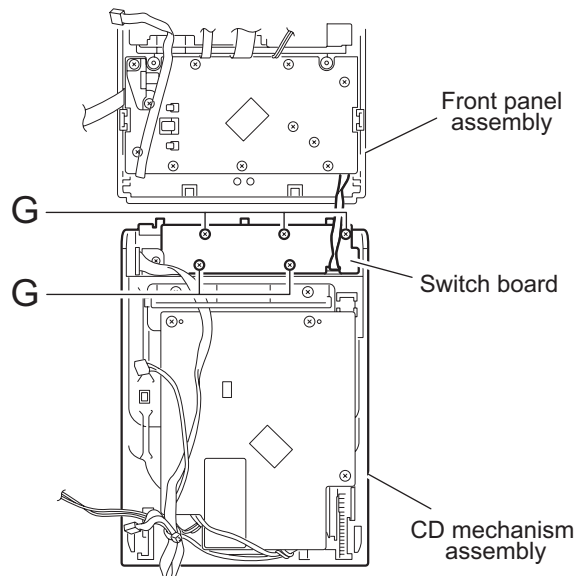


Fig.10

### 3.1.4 Removing the CD mechanism board (See Fig.11 ~ 13)

- Prior to performing the following procedure, remove the front panel assembly, the main board and the CD mechanism assembly.

- (1) Disconnect connector on the CD mechanism.
- (2) Remove the four screws **H** on the CD mechanism assembly.
- (3) Cut off the band setting each wire and disconnect the card wire from connector on the CD mechanism.
- (4) Remove the screw **J** attaching the wire on the CD mechanism board.

**Caution:**

The metal washer and nut come off.

- (5) Remove the four screws **K** attaching the CD mechanism.

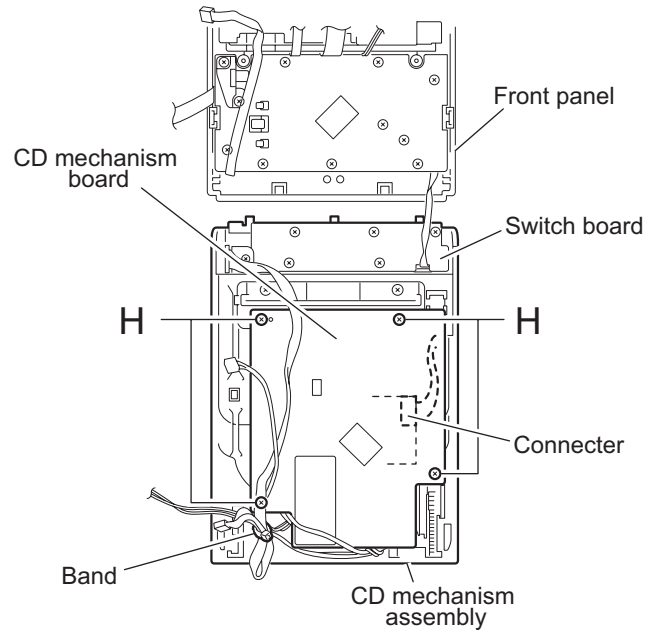


Fig.11

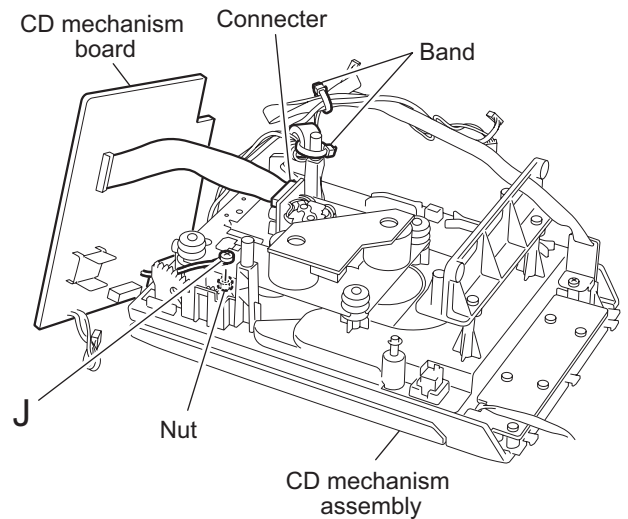


Fig.12

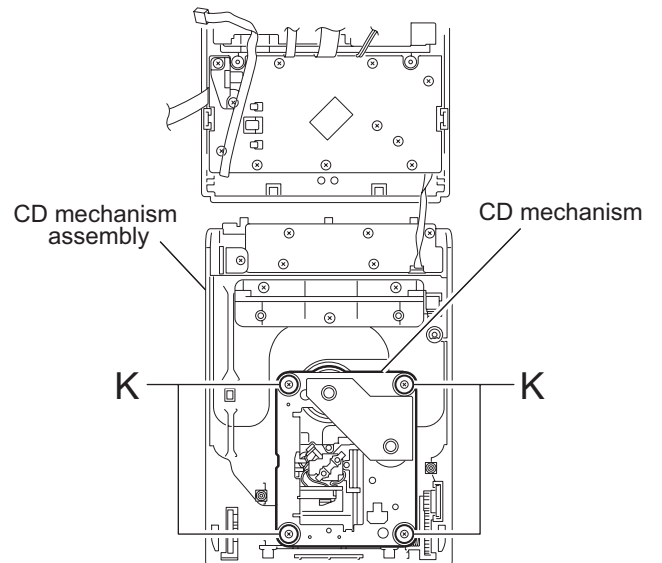


Fig.13

### 3.1.5 Removing the Headphone board (See Fig.14)

- Prior to performing the following procedure, remove the front panel assembly, the main board and the CD mechanism assembly.
  - (1) Remove the screw **L** on the bracket and pull out the headphone board.

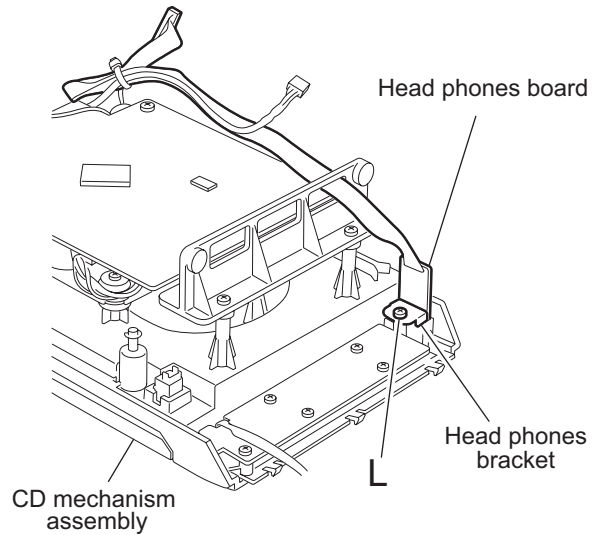


Fig.14

### 3.1.6 Removing the LCD board (See Fig.15)

- Prior to performing the following procedure, remove the front panel assembly, the main board and the CD mechanism assembly.
  - (1) Remove the ten screws **M** and the two screws **N** on the Front panel assembly.

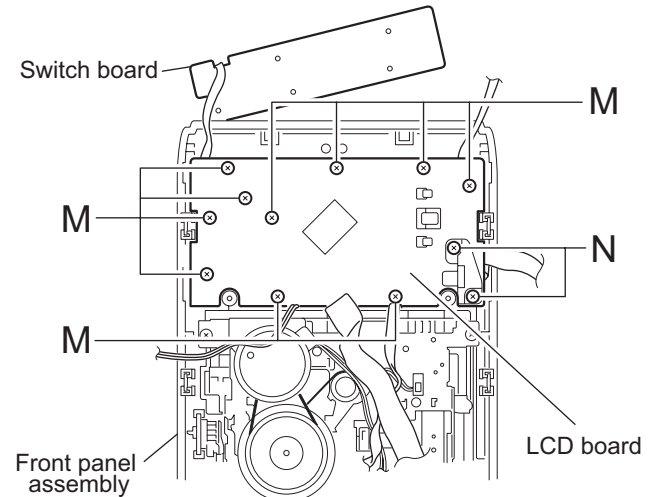


Fig.15

### 3.1.7 Removing the Cassette mechanism (See Fig.16)

- Prior to performing the following procedure, remove the front panel assembly and the main board.
  - (1) Remove the four screws **P** on the front panel assembly and press the eject button on the front side to remove the cassette mechanism assembly.

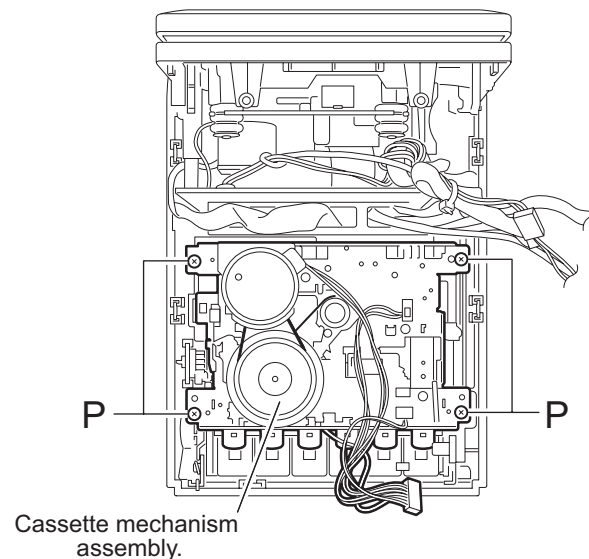


Fig.16

### 3.1.8 Removing the transformer board (See Fig.17,18)

- Prior to performing the following procedure, remove the front panel assembly.
  - (1) From the rear cover assembly, remove the screw **Q** attaching the transformer board.
  - (2) Remove the four screws **R** attaching the transformer.
  - (3) Remove the two screws **S** setting the power cord.
  - (4) Pull out the transformer and the transformer board, unsolder the eight soldering.

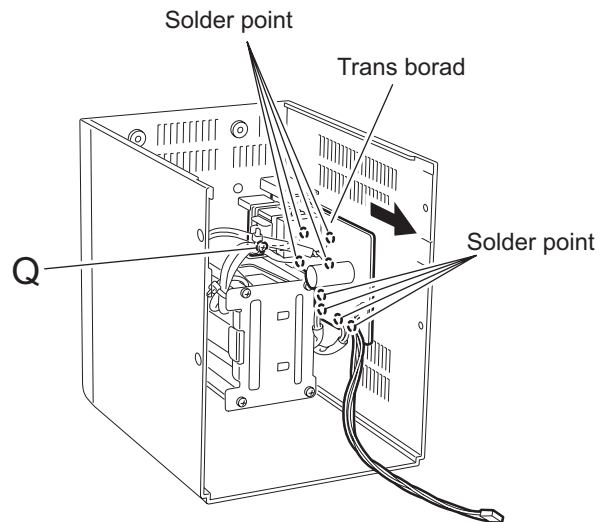


Fig.17

### 3.1.9 Removing the transformer (See Fig.17,18)

- Prior to performing the following procedure, remove the front panel assembly.
  - (1) From the rear cover assembly, remove the screw **Q** attaching the transformer board.
  - (2) Remove the four screws **R** attaching the transformer.
  - (3) Remove the two screws **S** setting the power cord.
  - (4) Pull out the transformer and the transformer board, unsolder the six soldering.

### 3.1.10 Removing the FM-antenna board (See Fig.18)

- Prior to performing the following procedure, remove the front panel assembly.
  - (1) Remove the screw **T** on the rear cover assembly.
  - (2) Unsolder the FM-antenna wire on the FM-antenna board.

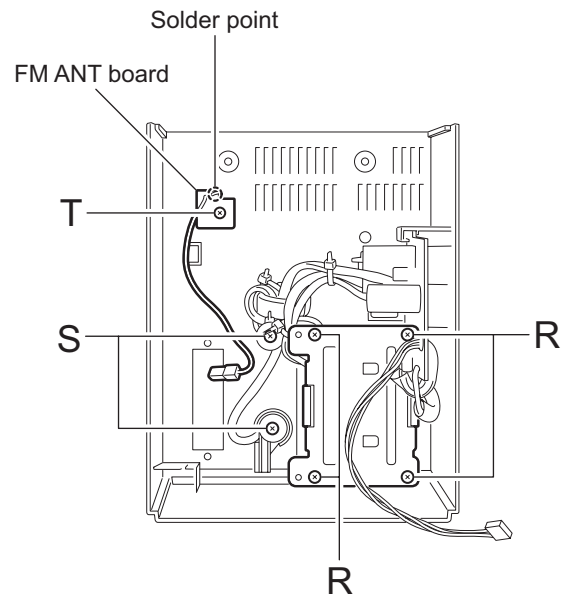


Fig.18

# SECTION 4 ADJUSTMENT

## 4.1 Measuring instructions required for adjustment

- (1) AM signal generator
- (2) FM signal generator
- (3) Intermediate frequency sweep generator
- (4) FM stereo signal generator
- (5) Low-frequency oscillator (oscillation frequency 50 Hz-20 kHz, 0dB output with 600  $\Omega$  impedance)
- (6) Attenuator (600  $\Omega$  impedance)
- (7) Electric voltmeter
- (8) Distortion meter
- (9) Torque gauge (cassette for CTG-N)
- (10) Wow & flutter meter
- (11) Frequency counter meter

### 4.1.1 Amplifier section

Reference output

Speaker output 0 dB(1V)/ 4  $\Omega$

H. Phone output -10 dB(0.1V) 32 $\Omega$

### 4.1.2 CD section

Test disc: JVC standard disc

### 4.1.3 Test tape

JVC standard test tape

### 4.1.4 Measuring instruments Radio section

FM 1 kHz, 22.5 kHz deviation

FM STEREO : 1kHz, 67.5 kHz deviation

Pilot signal: 7.5 kHz

AM : 1 kHz, 30% modulation

Reference output:

Speaker output : 0 dB (1V) 4  $\Omega$

Headphone output : -10 dB (0.1V) 32  $\Omega$

#### 4.1.5 Cassette Amplifier Section

Item	Measuring Condition	Check and adjustment procedure	Standard value	Adjusting part
Head azimuth adjustment	Test tape: 8 kHz Signal output terminal: PHONES (with 32 ohm load)	<ol style="list-style-type: none"> <li>1. Play back the test tape (8 kHz).</li> <li>2. Adjust the head azimuth adjusting screw so that the phase difference between the R and L channels is minimized at an output level that is within <math>\pm 2</math> dB of the maximum output level. After this adjustment, lock the head azimuth adjusting screw with screw, sealant to cover more than a half of the screw head.</li> <li>3. When the head azimuth is maladjusted, correct it with the head azimuth adjusting screw.</li> </ol>	Output level: Within $\pm 2$ dB of maximum output level Phase difference L and R channels: Minimum	Head azimuth adjusting screw (To be used only after head replacement) See Fig 3-1
Tape speed and wow/flutter check and adjustment	Test tape: 3 kHz Signal output terminal: PHONES (with 32 ohm load)	<ol style="list-style-type: none"> <li>1. Play back the test tape (3 kHz) by the end portion.</li> <li>2. Connect a frequency counter and check that it reads between 2940 and 3090 Hz. If not, adjust the frequency with the motor semifixed resistor.</li> <li>3. Check that the wow/flutter is within 0.38% (unweighted.)</li> </ol>	2940 to 3090 Hz  Within 0.38% (unweighted)	Tape speed: Motor semifixed resistor  check only
PB frequency response check	Test tape:  Signal output terminal: PHONES (with 32 ohm load)	Play back the test tape while confirming that deviation between the 1 kHz signal and 8 kHz signal should be 0 (+3~-6) dB.	Deviation between 1 kHz and 8 kHz: 0 (+3~-6) dB	
Bias frequency check	Tape: Normal Signal output terminal: Cassette REC./PLAY HEAD	Set the TUNER or CD function and with TAPE to record. Check to see if the frequency at the measuring point T360 is 60 kHz $\pm 1$ kHz if not adjust T360 until the frequency counter indicates 60 kHz $\pm 1$ kHz.	T360	
REC and PB frequency response adjustment	Test tape: Signal input FM22.5 DEV 60dB with Emphasis signal output terminal: PHONES (with 32 ohm load)	At TUNER, set the BAND to the FM position, and record the reference 1 kHz signal and 8kHz signal alternately repeatedly. While playing back the recorded signal differ from that of the 1 kHz signal by within 0 (+3~-6) dB.	Level difference between REC and PB: Within 0 (+3~-6) dB.	

#### 4.1.6 Tuner Section

Item	Measuring Condition	Check and adjustment procedure	Standard value	Adjusting part
AM IF adjustment	Signal input: Loop ANTENNA Signal output: U201 PIN 16	1.Set the intermediate frequency sweep generator to AM 450 kHz. 2.Adjust the T201 for maximum and center output.		T201 See Fig 3-3
AM tracking adjustment	Signal input: Loop antenna PHONES (with 32 ohm Load)	1.Set the TUNER at 531 kHz adjust T202 until the test pin of R229 Voltage at $1.5V \pm 0.1V$ . 2.Set the TUNER at 1710 kHz, Check the pin of R229 Voltage at $8.4V \pm 6V$ . 3.Set the TUNER and S/G at 603 kHz, adjust T204 for maximum output. 4.Set the TUNER and S/G at 1404 kHz, adjust VC201 for maximum output. 5.Repeat the above steps 3 and 4.		T202 T204  R229  VC201
FM Tracking Adjustment	Signal input point: FM-ANT Phones With 32 ohm load	1.Set the Tuner at 87.5MHz adjust L203 until the test pin of R230 voltage at $2.4V \pm 0.1V$ 2.Set the Tuner at 108MHz. Check the pin of R230 voltage at $8 \pm 0.8V$ 3.Set the Tuner and S/G at 90.1MHz. Adjust L204 for maximum output. 4.Set the Tuner and S/G at 106.1MHz. Adjust VC 202 for maximum output. 5.Repeat the above step 3 and 4		R230  L204  VC202



Location of adjusting parts  
Cassette mechanism section

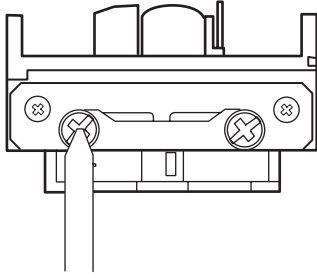


Figure 3-1 Head Output Signal

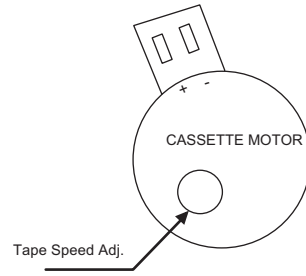
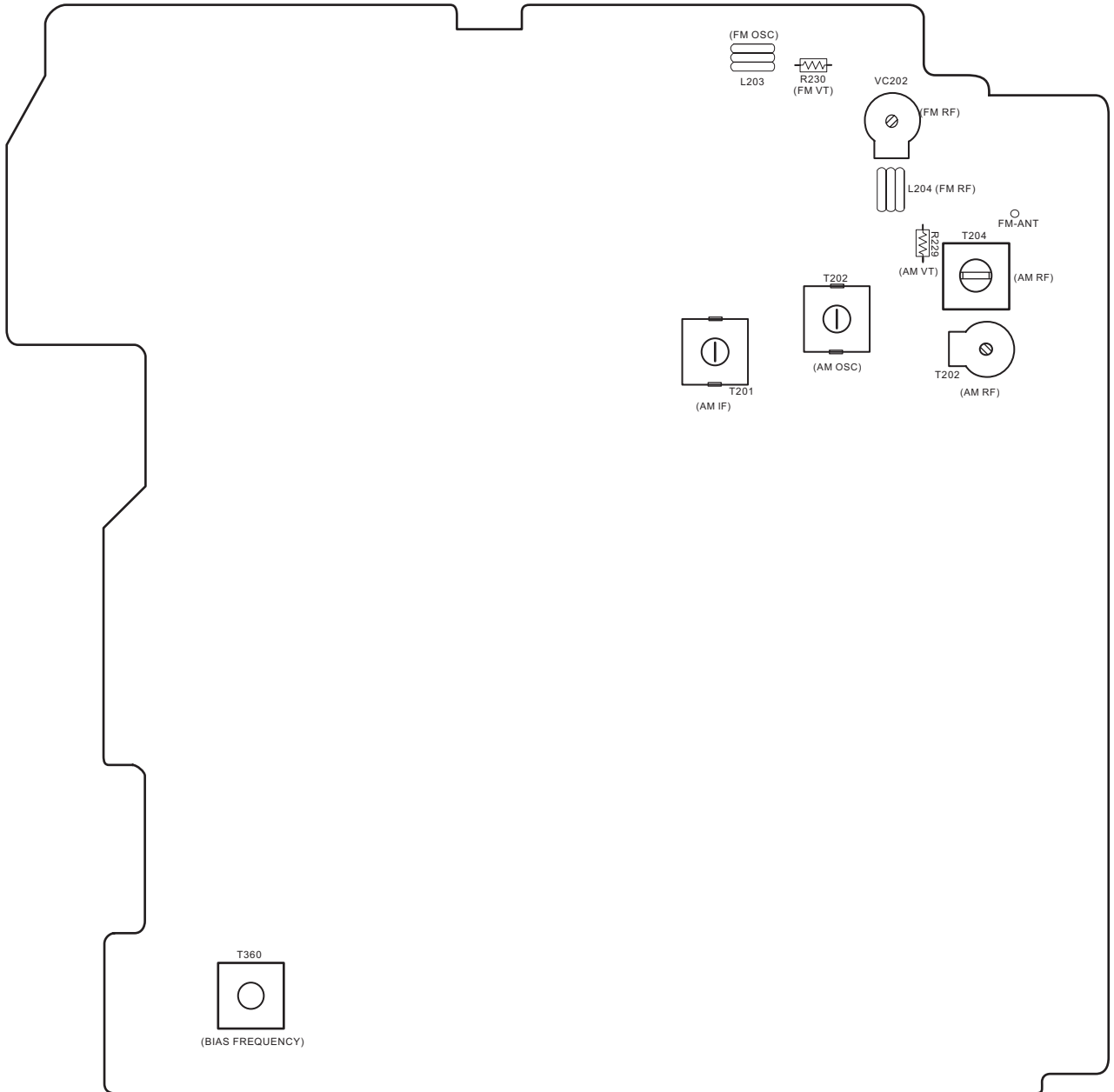


Figure 3-2

Main board assembly



## SECTION 5 TROUBLESHOOTING

Circuit	Symptom	Cause and Remedy
General	No sound	Speakers are not connected: Check the speaker connection. Wrong function is selected: Set switch to the proper position. Defective volume control: Set the volume control to a proper sound level. Defective the Headphone jack: Replace the headphone jack. Defect in U801 Check voltages. Replace if necessary. Defect in U601 Check voltages. Replace if necessary.
AM	No sound, weak sound (Low sensitivity)	Improper location of unit: Rotate or reposition the unit. Defect in IF T201: Check registance, voltage, and current. Replace as needed. Defect AM antenna coil L202 or oscilloscope coil T202: Replace if necessary. Intermediate frequency tuning faulty: Readjust (see "Adustment"). RF tracking faulty: Readjust (see "Adjustment"). Defective U201: Check voltages. Replace if necessary. Defective U260: Check voltages. Replace if necessary. Poor contact in antenna circuit: Check resistance and resolder.
FM	No sound, weak sound (Low sensitivity)	FM antenna not connected: Connect the built-in or external antenna. Defective band selector switch: Replace or repair the switch. Defective U201: Check voltages. Replace if necessary. Defective U260: Check voltages. Replace if necessary. Intermediate frquencytuning faulty: Readjust (see !Adjustment"). Poor contact in FM antenna circuit: Resolder or repair as required.
Tape	No sound / Recording Unsteady tape sound, weak sound	Dirty capstan or head: Clean the capstan or head with alcohol. Irregular cassette tape winding: Replace tape. Defective U301: Check voltage. Replace if necessary. Cassette erasure prevention tabs broken out: Replace tape or cover tab openings with adhesive tape.
CD	Cannot read the TOC. no sound	Disc is inserted upside down: Insert disc correctry. Disc is dirty: Wipe clean with a soft cloth. Disc is scratched: Use a new disc. Disc is seriously warped: Use a new disc. A non-standard disc has been inserted: Use only a barand neme disc. Moisuture has formed inside the CD deck: Wait about 20 to 30 minutes. Defective IC701: Check voltages. Replace if necessary. Defective IC702: Check voltages. Replace if necessary. Defective IC703: Check voltages. Replace if necessary. Defect in the CD pickup mechanism: Replace as required.





**JVC**

VICTOR COMPANY OF JAPAN, LIMITED

AV & MULTIMEDIA COMPANY AUDIO/VIDEO SYSTEMS CATEGORY 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MB107)



Printed in Japan  
WPC

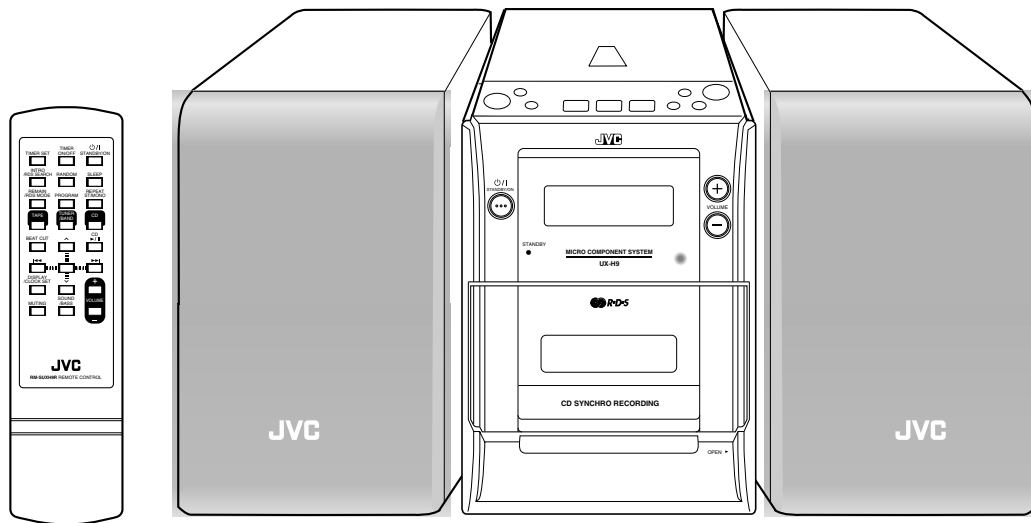
# JVC

# SCHEMATIC DIAGRAMS

## MICRO COMPONENT SYSTEM

### UX-H9

CD-ROM No.SML200401



COMPACT  
disc  
DIGITAL AUDIO

R-D-S

#### Area Suffix

E ----- Continental Europe  
EN ----- Noerthern Europe

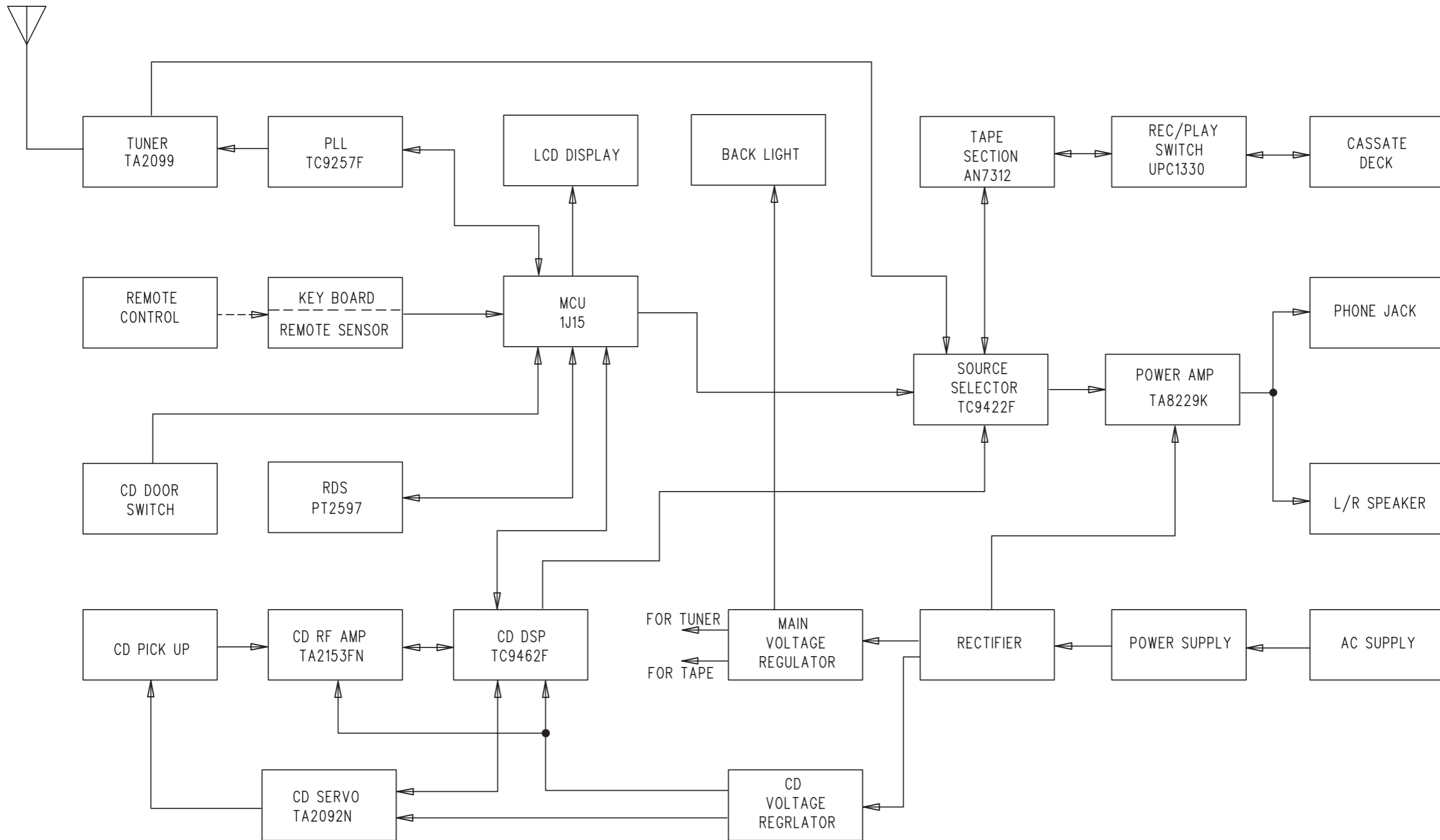
### Contents

Block diagram .....	2-1
Standard schematic diagrams .....	2-2
Printed circuit boards .....	2-9 to 12

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (■), diode (▣) and ICP (●) or identified by the "△" mark nearby are critical for safety.

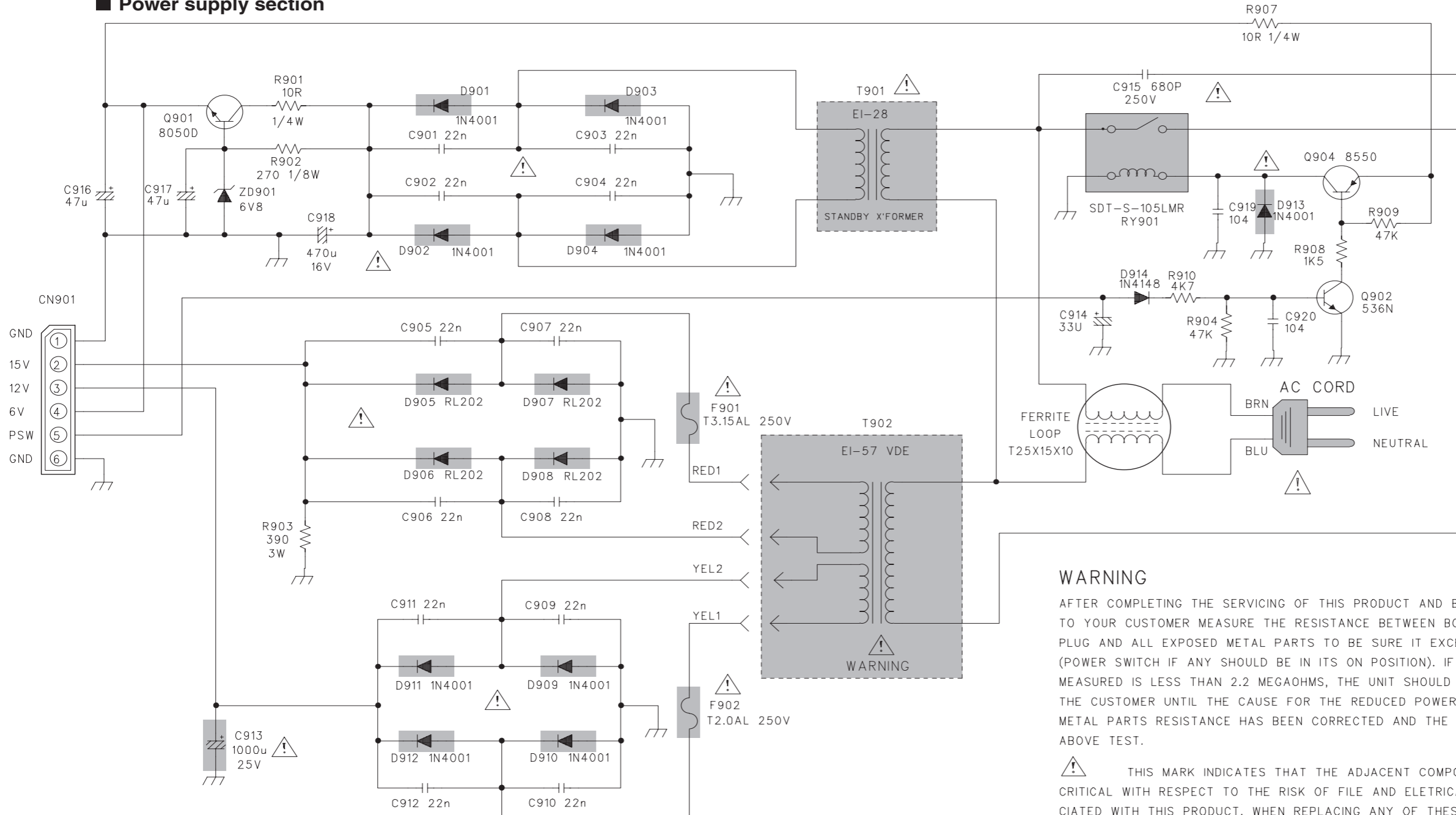
(This regulation does not correspond to J and C version.)

# Block diagram



# Standard schematic diagrams

## Power supply section





### WARNING

AFTER COMPLETING THE SERVICING OF THIS PRODUCT AND BEFORE RETURNING IT TO YOUR CUSTOMER MEASURE THE RESISTANCE BETWEEN BOTH PRONGS OF THE AC PLUG AND ALL EXPOSED METAL PARTS TO BE SURE IT EXCEEDS 2.2 MEGAOHMS (POWER SWITCH IF ANY SHOULD BE IN ITS ON POSITION). IF THE RESISTANCE MEASURED IS LESS THAN 2.2 MEGAOHMS, THE UNIT SHOULD NOT BE RETURNED TO THE CUSTOMER UNTIL THE CAUSE FOR THE REDUCED POWER LINE TO EXPOSED METAL PARTS RESISTANCE HAS BEEN CORRECTED AND THE UNIT PASSED THE ABOVE TEST.

THIS MARK INDICATES THAT THE ADJACENT COMPONENT IS CONSIDERED CRITICAL WITH RESPECT TO THE RISK OF FIRE AND ELECTRICAL SHOCK ASSOCIATED WITH THIS PRODUCT. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY PARTS SUPPLIED BY MANUFACTURERS WHOSE PART NUMBERS ARE INDICATED ON THE PARTS LIST ATTACHED.

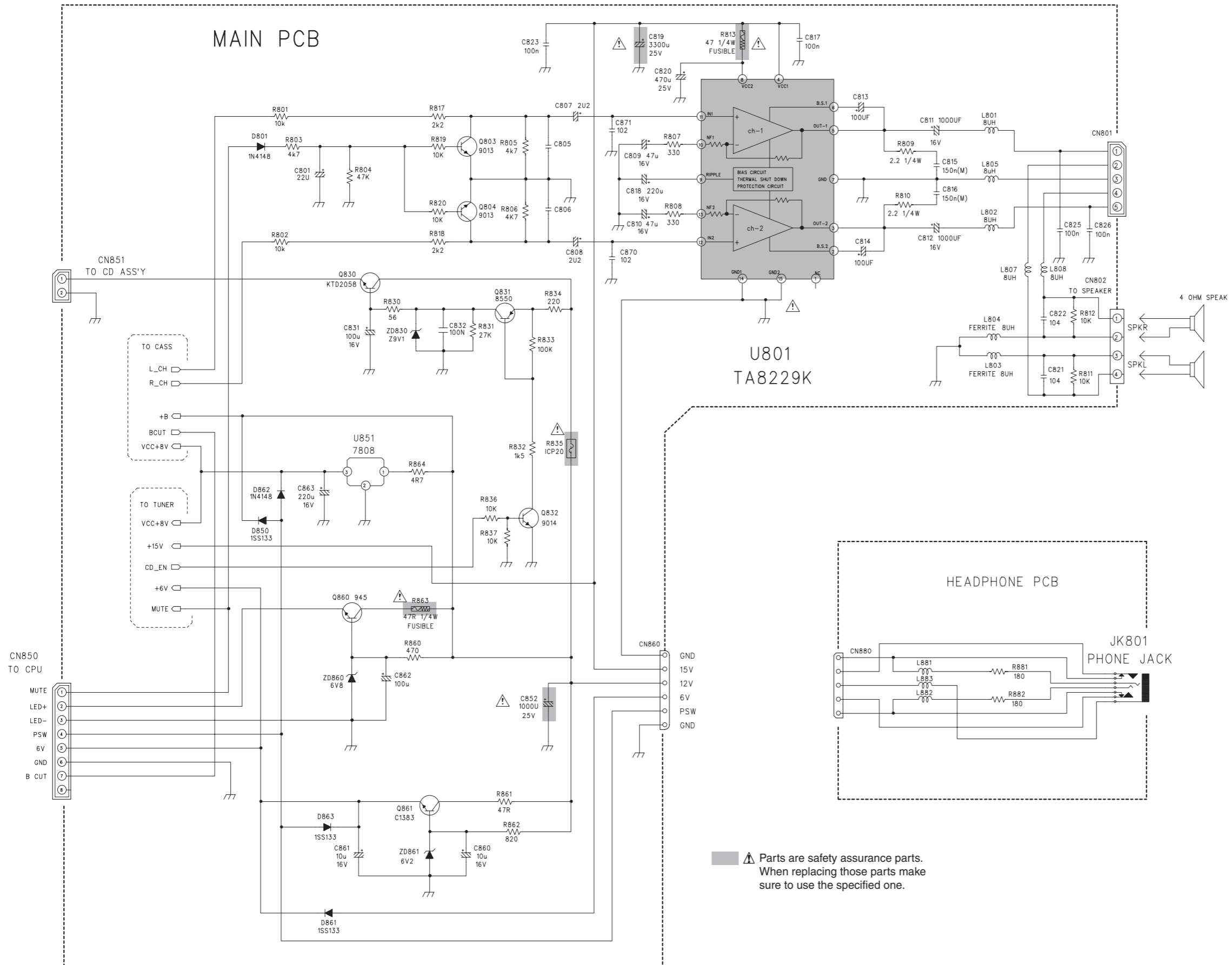
### SERVICING INSTRUCTIONS

1. DISCONNECT POWER CORD BEFORE SERVICING.
2. REPLACE CRITICAL COMPONENTS  ONLY WITH FACTORY PARTS OR RECOMMEND EQUIVALENTS.
3. FOR AC LINE POWERED UNITS - BEFORE RETURNING REPAIRED UNIT TO USER, USE AN OHMMETER TO MEASURE FROM BOTH AC PLUG BLADES TO ALL EXPOSED METALLIC PARTS. THE RESISTANCE SHOULD BE MORE THAN 100,000 OHMS.

 Parts are safety assurance parts. When replacing those parts make sure to use the specified one.



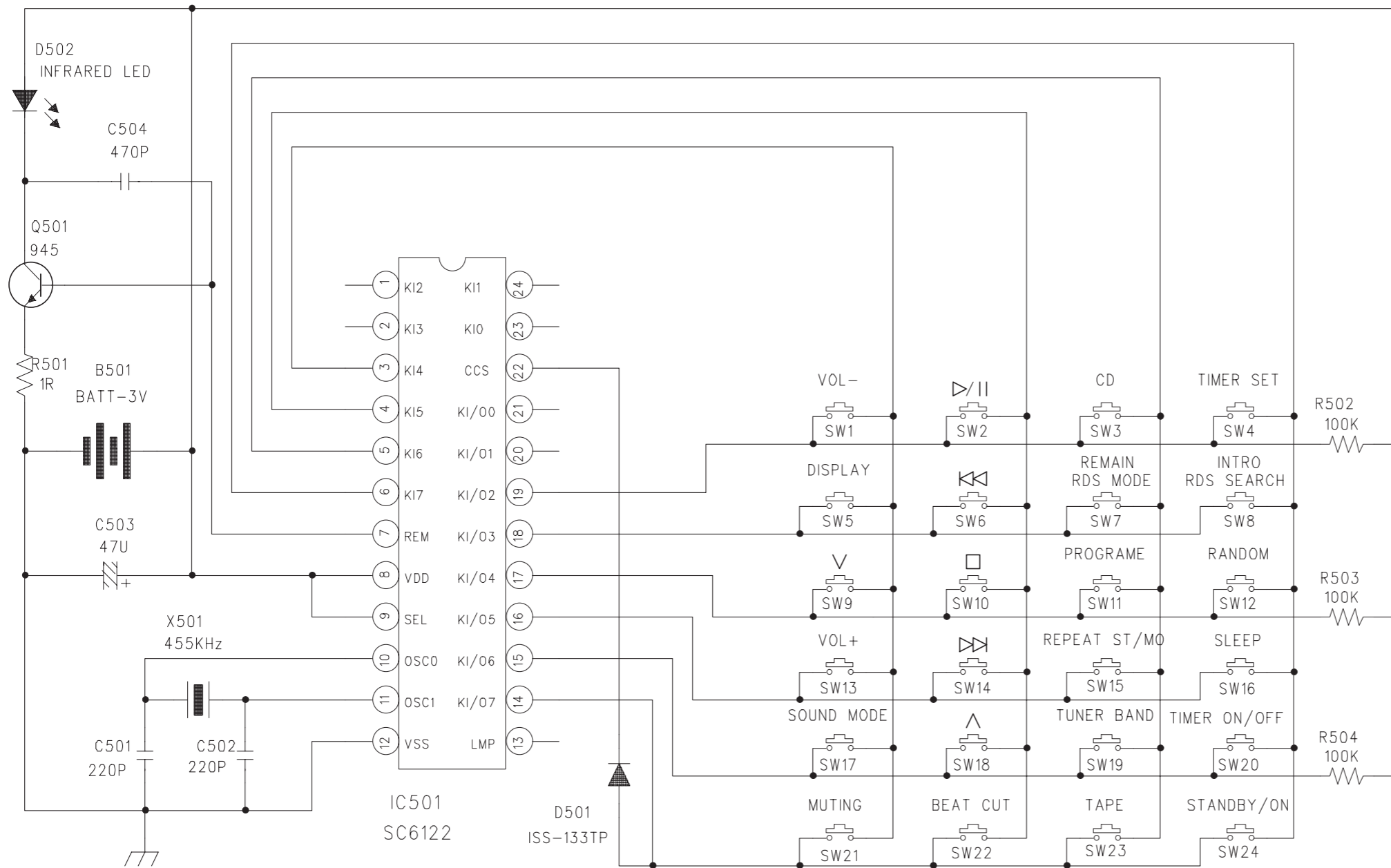
■ Amp section



▲ Parts are safety assurance parts.  
When replacing those parts make  
sure to use the specified one.



■ Remote section

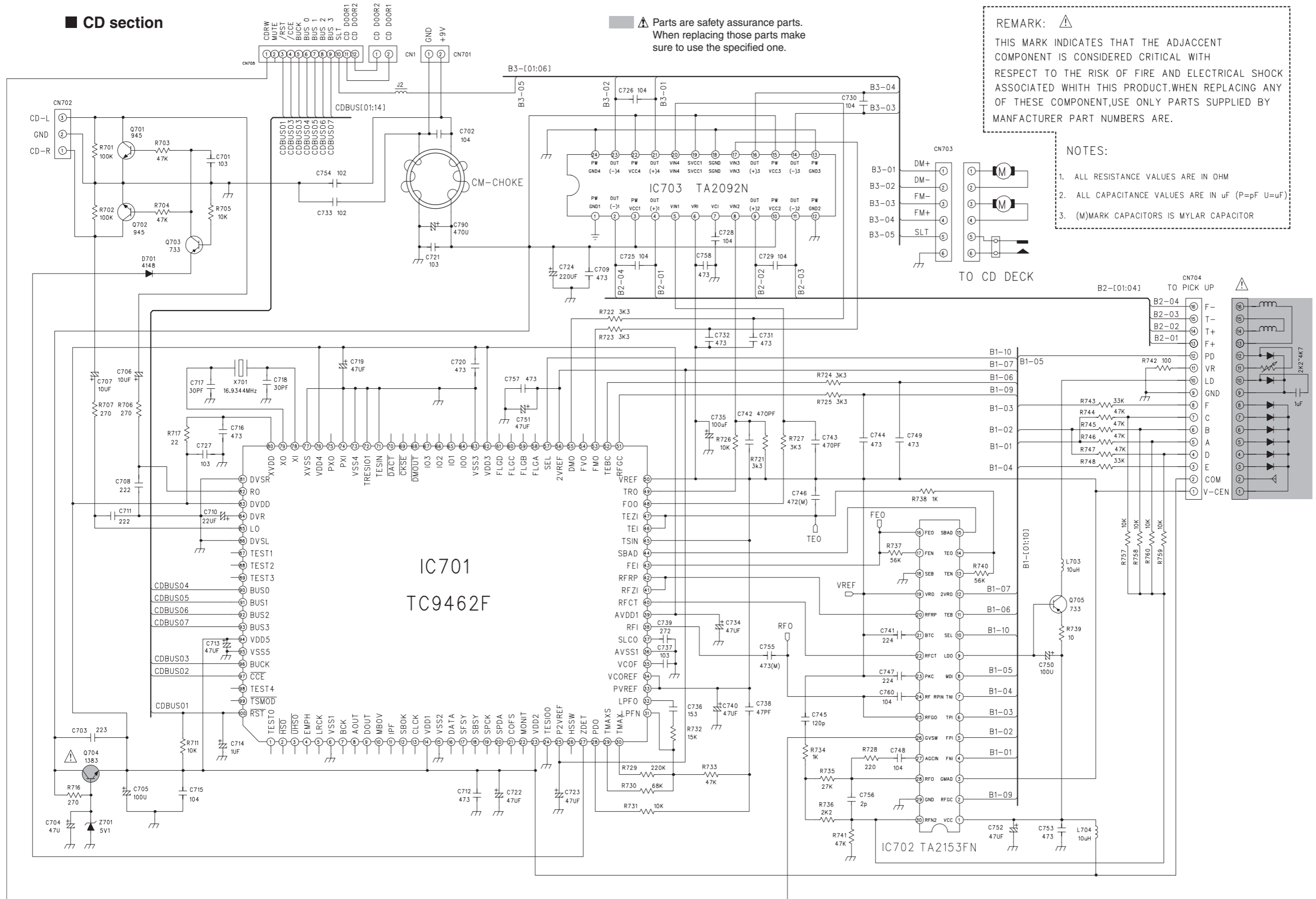


CD section

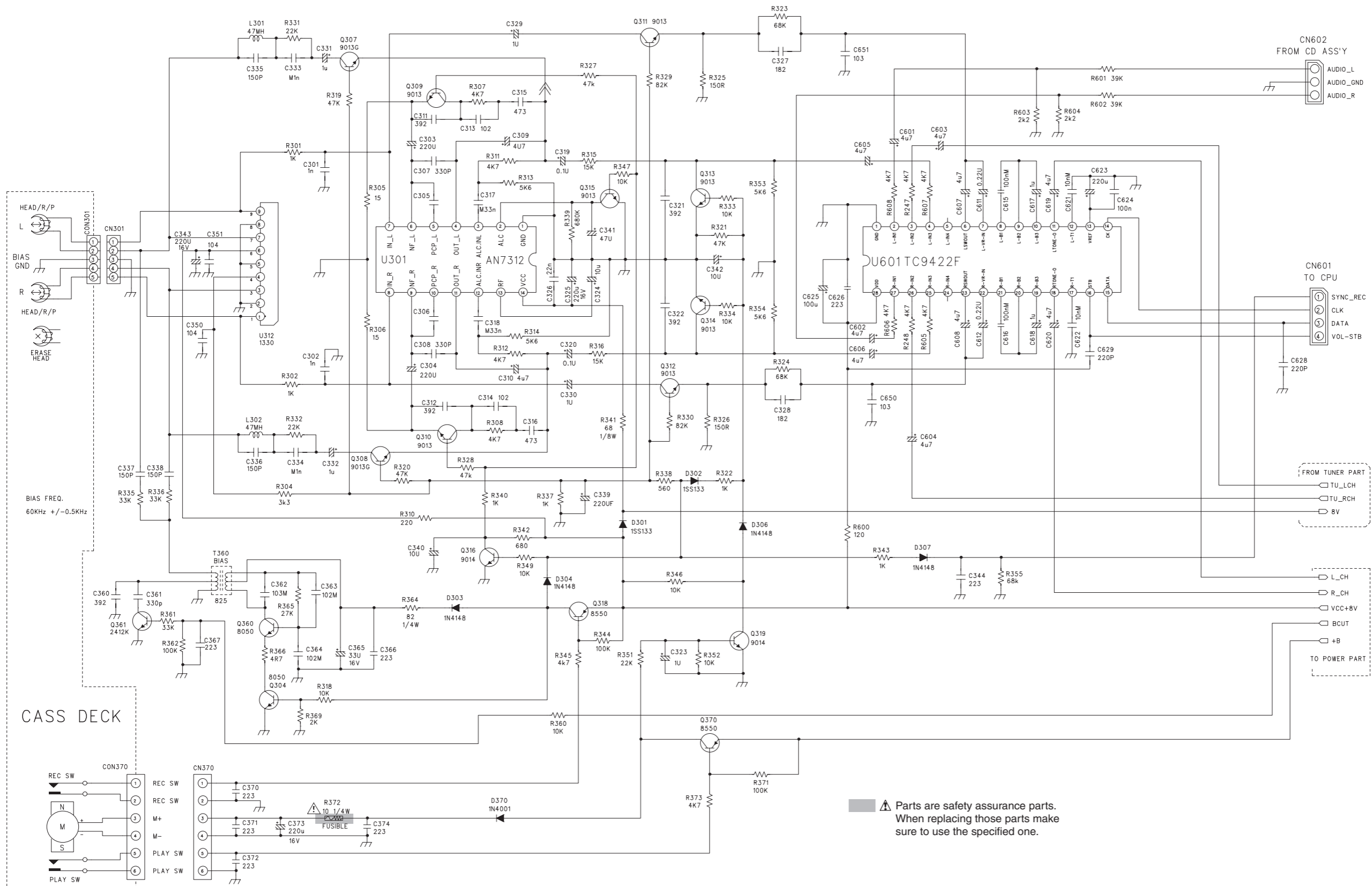
Parts are safety assurance parts.  
When replacing those parts make  
sure to use the specified one.

REMARK: THIS MARK INDICATES THAT THE ADJACENT COMPONENT IS CONSIDERED CRITICAL WITH RESPECT TO THE RISK OF FIRE AND ELECTRICAL SHOCK ASSOCIATED WITH THIS PRODUCT. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY PARTS SUPPLIED BY MANUFACTURER PART NUMBERS ARE.

- NOTES:
1. ALL RESISTANCE VALUES ARE IN OHM
  2. ALL CAPACITANCE VALUES ARE IN uF (P=pF U=uF)
  3. (M) MARK CAPACITORS IS MYLAR CAPACITOR



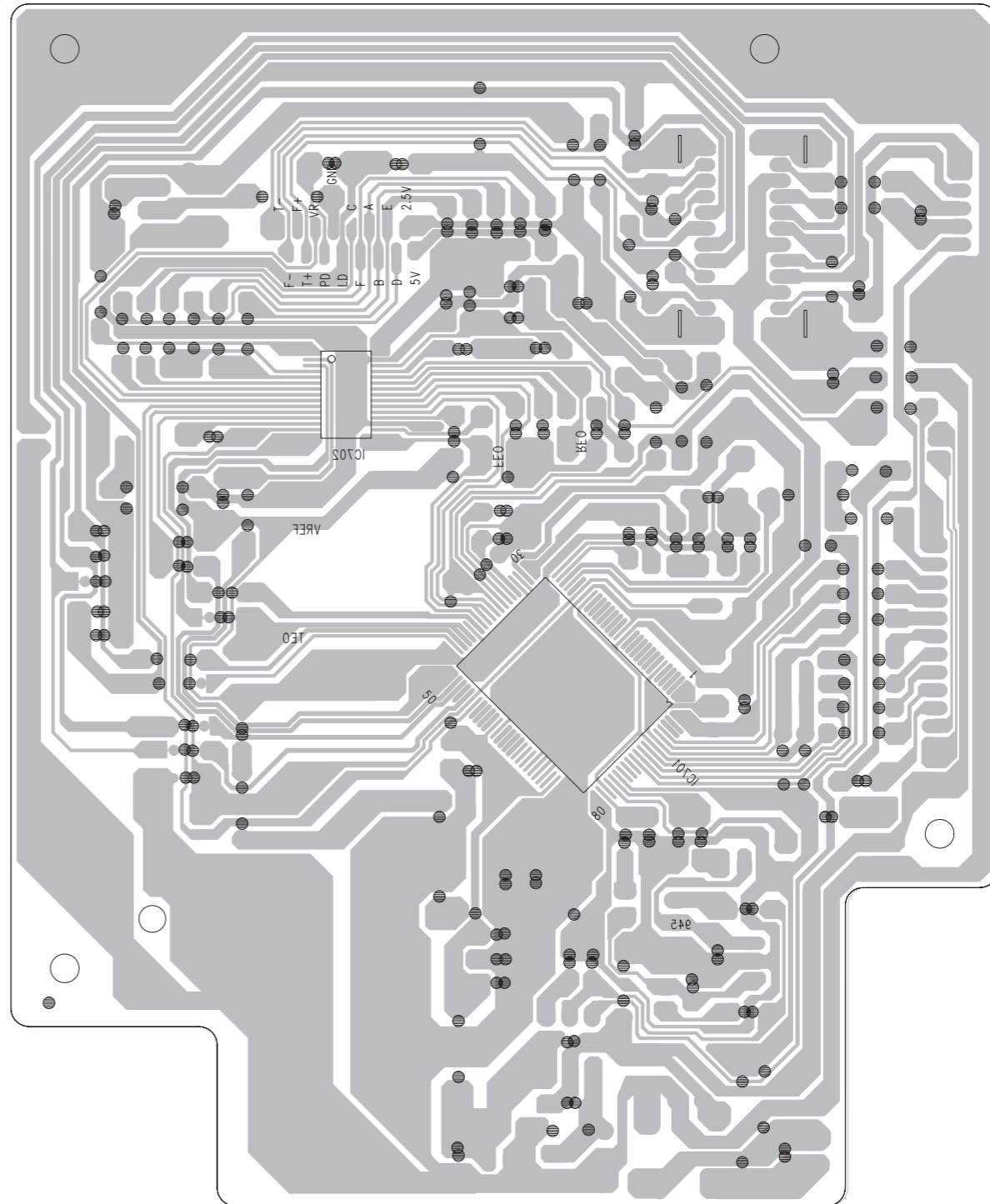
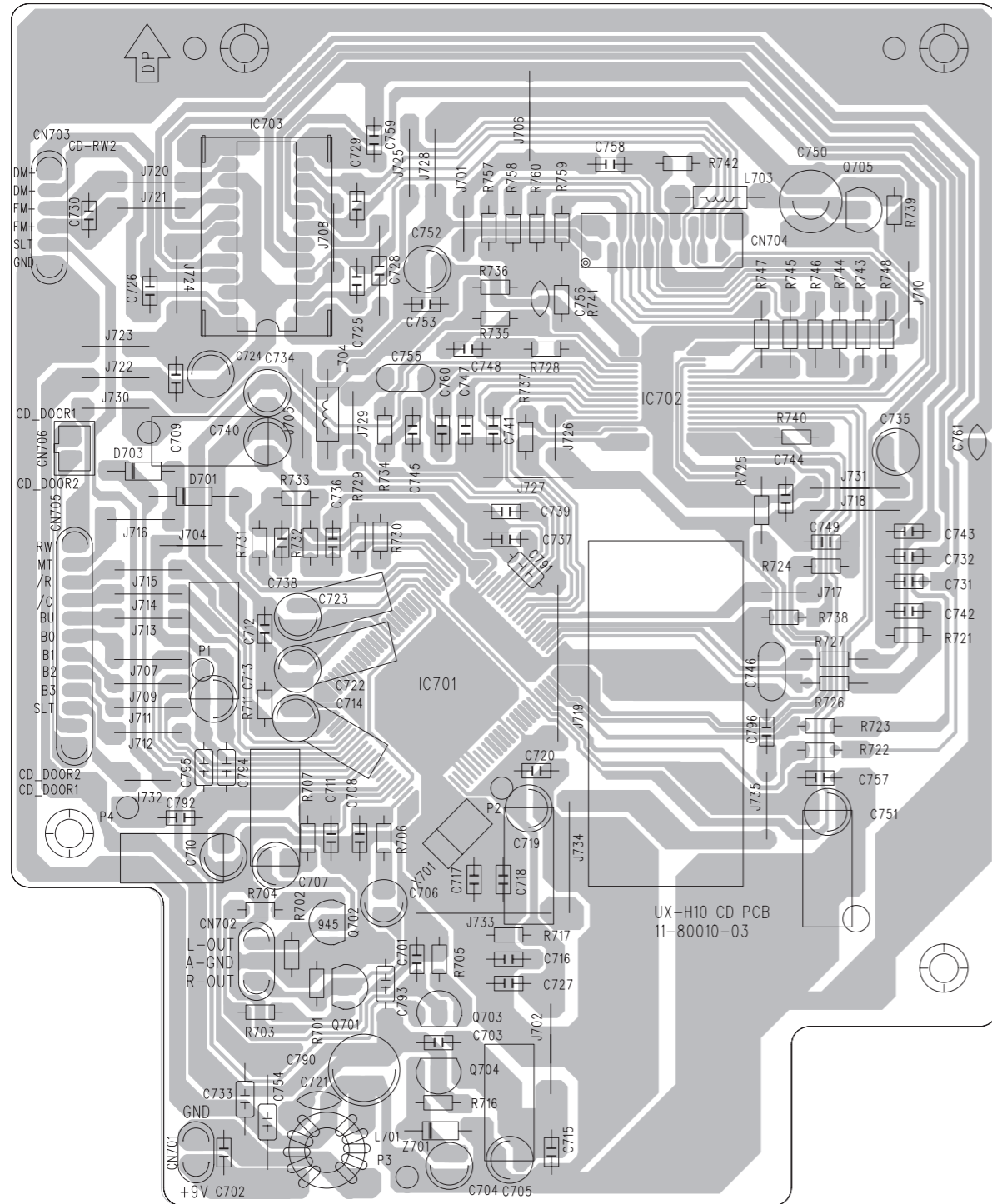
■ Cassette section





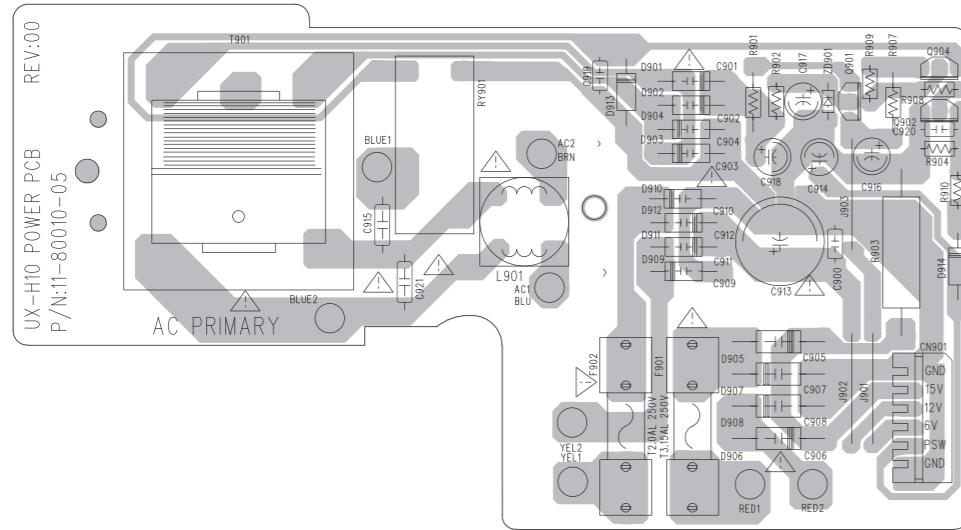


■ CD board

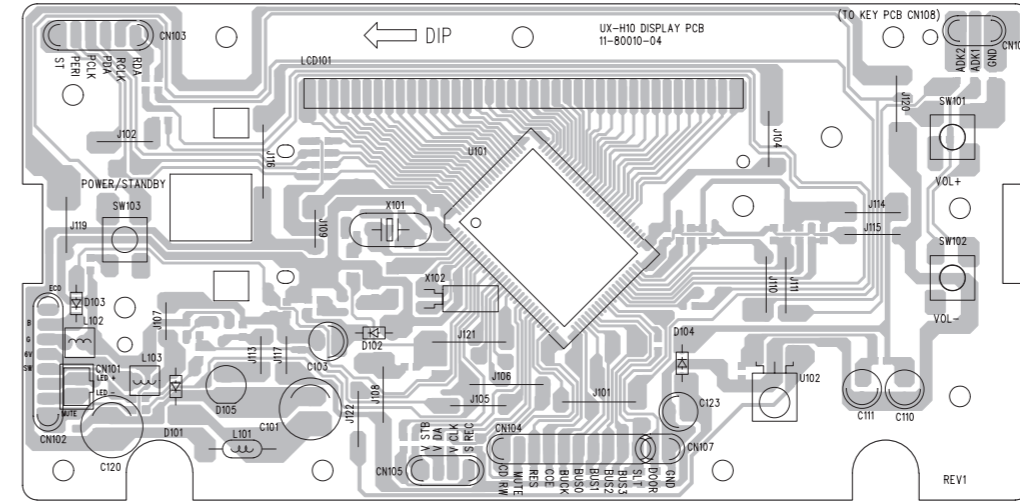




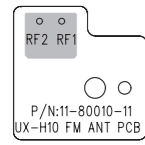
■ Power board (forward side)



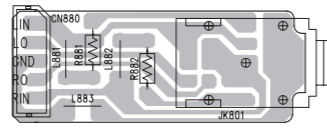
■ Display board (forward side)



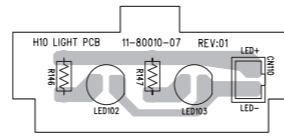
■ FM antenna board



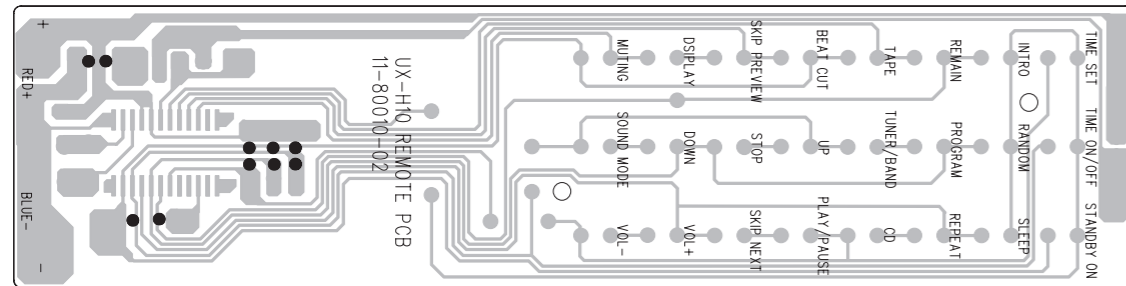
■ Headphone board



■ LED board



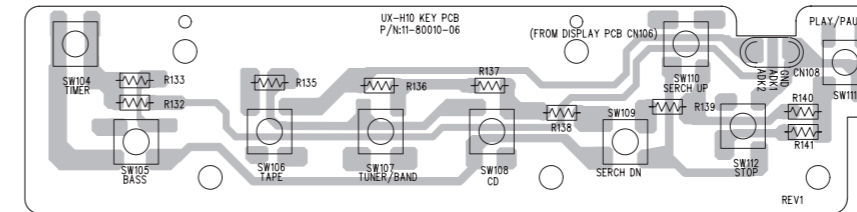
■ Remocon board (forward side)



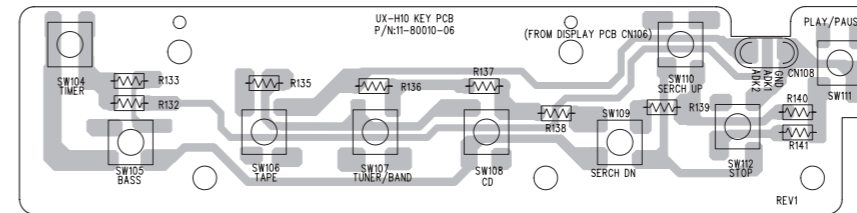
■ Remocon board (reverse side)



■ Key board (forward side)



■ Key board (reverse side)



< MEMO >

**JVC**

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AV & MULTIMEDIA COMPANY AUDIO/VIDEO SYSTEMS CATEGORY 10-1, 1chome, Ohwatari-machi, Maebashi-city, 371-8543, Japan

(No.MB107SCH)



Printed in Japan  
WPC

# PARTS LIST

[ UX-H9 ]

\* All printed circuit boards and its assemblies are not available as service parts.

## Area suffix

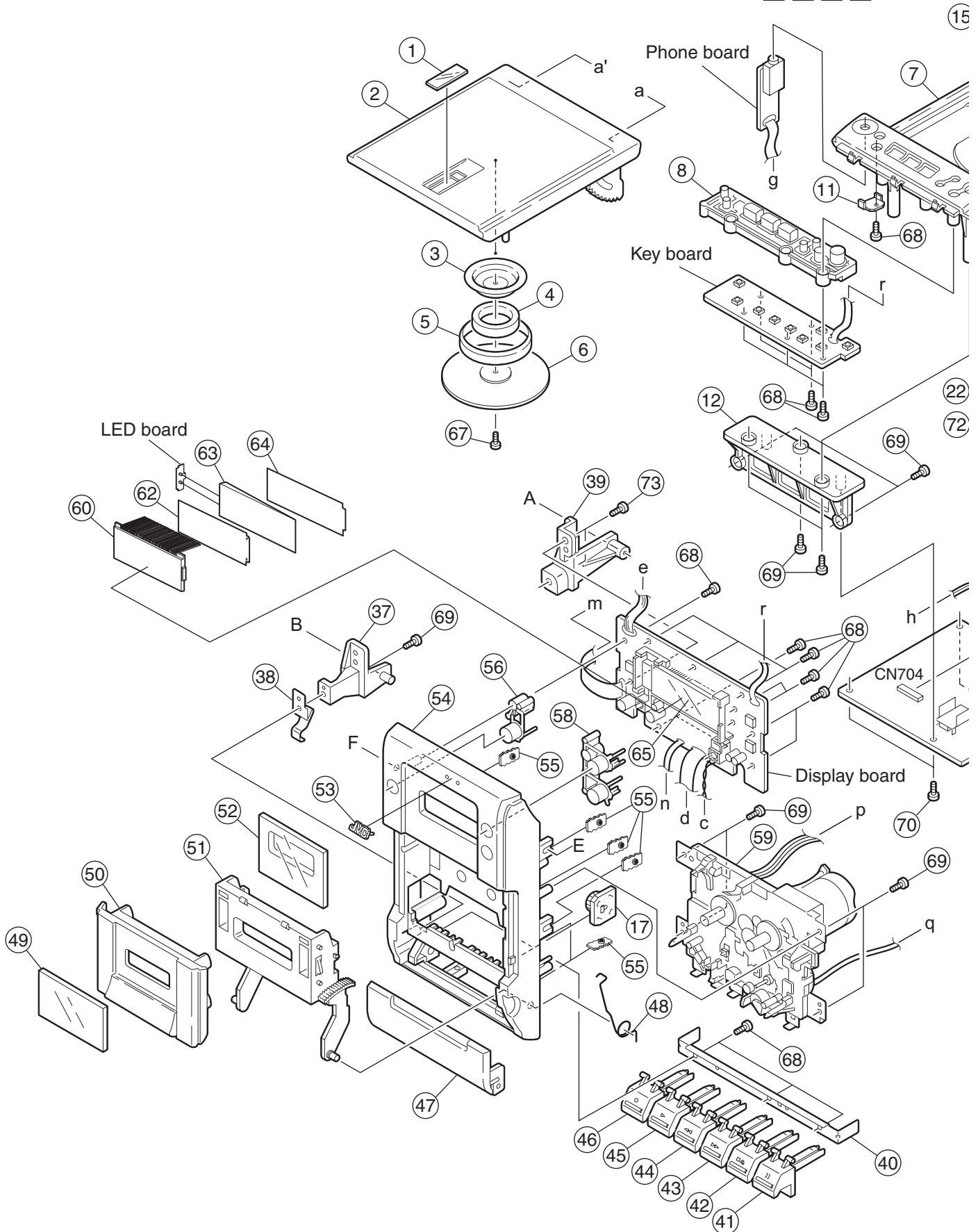
E ----- Continental Europe  
EN ----- Northern Europe

## - Contents -

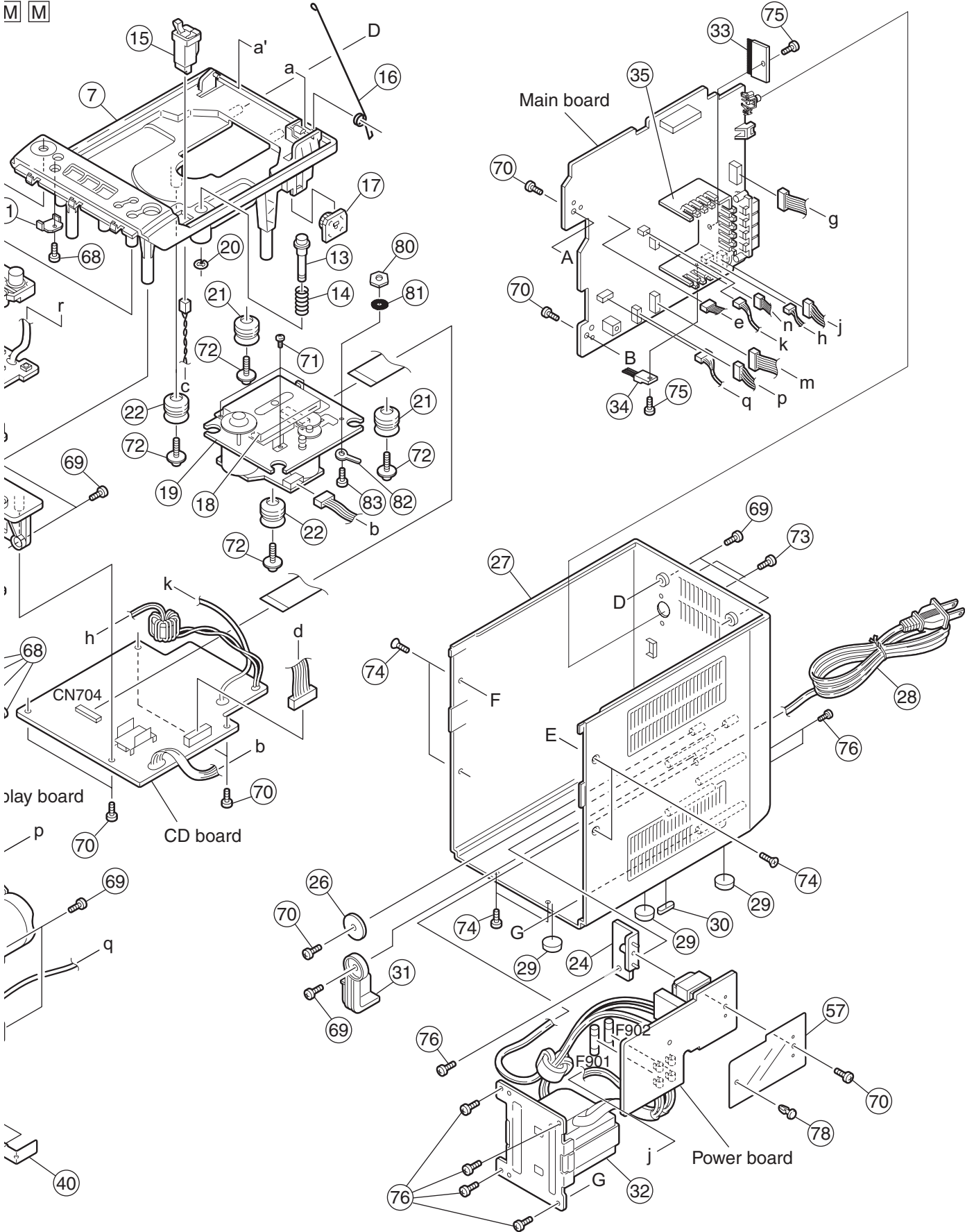
Exploded view of general assembly and parts list (Block No.M1) .....	3- 2
Electrical parts list (Block No.01~05).....	3- 5
Packing materials and accessories parts list (Block No.M3).....	3-12

# Exploded view of general assembly and parts list

Block No. **M 1 M M**



M M



# General assembly

Block No. [M][1][M][M]

Symbol No.	Part No.	Part Name	Description	Local
1	OW43-00010-08	CD DOOR LENS	PMMA	
2	OW66-00010-03	CD DOOR	ABS	
3	OW39-04200-00	METAL COVER		
4	OW97-09019-00	P.C.MAGNET	20495830	
5	OW49-04200-00	STABILIZER RING		
6	OW55-09019-01K	PLASTIC COVER	W/O Felt	
7	OW48-00010-05	CD TRAY	HIPS	
8	OW53-00010-00	FUNCTION KNOB	ABS	
11	OW39-00010-00	PHONE PCB BKT		
12	OW48-04200-01	CD BKT.	ABS	
13	OW55-00141-02	PUSH ROD	NSX01-050	
14	OW36-00003-04	CD EJECT SPRING		
15	OW16-00000-09	CD DOOR SWITCH	DLS-02-W	
16	OW36-03232-02	CD DOOR SPRING		
17	OW63-00303-01	DAMPER	Gear B40GG(x2)	
18	OW48-07930-08	CD MECHA COVER	Thomson CD	
19	OW98-04200-00	CD MECHA	Thomson TCP11TK	
20	OW35-00003-00	E RING	M3	
21	OW81-02750-00	CD DAMPER	3140-114-1389-2(x2)	
22	OW81-02750-01	CD DAMPER	3140-114-1390-2(x2)	
24	OW48-00010-01	POWER PCB BKT		
26	OW35-10019-00	FIBRE WASHER	F14 X F3 X 1.5mm	
27	OW61-00010-01	REAR CABINET	VDE	
△ 28	OW30-00010-04	AC POWER CORD		
29	OW81-04200-00	RUBBER FOOT	F11X3mm W/ Tape(x3)	
30	OW81-00010-00	RUBBER FOOT	13X6mm	
△ 31	OW49-00010-00	AC CORD HOLDER	ABS	
△ 32	OW15-04200-02	X'FORMER		
33	TA8229K	IC	OW03-08229-00	
34	KTD2058	TRANSISTOR	OW01-02058-00	
35	OW39-04200-02	HEAT SINK		
37	OW48-00010-03	MAIN PCB BKT2		
38	OW36-00010-00	CASS KNOB	Door Plate	
39	OW48-00010-02	MAIN PCB BKT1		
40	OW39-04200-04	CASS KNOB BKT		
41	OW53-00010-06	CASS KNOB	Pause	
42	OW53-00010-08	CASS KNOB	Stop/Eject	
43	OW53-00010-04	CASS KNOB	F.FWD	
44	OW53-00010-05	CASS KNOB	REW.	
45	OW53-00010-03	CASS KNOB	Play	
46	OW53-00010-07	CASS KNOB	REC.	
47	OW66-00010-02	CASS KNOB	Door	
48	OW36-00010-01	CASS DOOR SPRING		
49	OW43-00010-01	CASS DOOR LENS		
50	OW66-00010-01	CASS DOOR	ABS	
51	OW48-04200-04	CASS DOOR BKT		
52	OW43-00010-05	DISPLAY LENS	PMMA	
53	OW55-30000-00	JVC BADGE	ABS	
54	OW60-00010-01	FRONT CABINET	HB	
55	OW39-04200-05	PANEL FIXING	Plate(x6)	
56	OW53-00010-01	POWER KNOB	ABS	
57	OW42-00010-00	PVC SHEET		
58	OW53-00010-02	VOLUME KNOB	ABS	
59	OW94-04200-00	CASS DECK	CS-2SC-3222	
60	OW91-80010-00	LCD		
62	OW43-00010-04	LCD FILTER		
63	OW43-00010-02	LIGHT GUIDE	PMMA	
64	OW68-00010-00	LIGHT GUIDE	Paper 0.15TH	
65	OW48-00010-00	LCD BKT		
67	OW40-02045-90	SCREW	F 2.0 X 4.5	
68	OW40-12608-01	SCREW	F 2.6 X 8(x19)	
69	OW40-13010-01	SCREW	F 3.0 X 10(x13)	
70	OW40-13008-01	SCREW	F 3.0 X 8(x8)	
71	OW40-02005-90	SCREW	F2.0 X 5(x3)	
72	OW40-52610-03	SCREW	F2.6 X 10(x4)	
73	OW40-12612-01	SCREW	F2.6 X 12(x4)	
74	OW40-03006-22	SCREW	M3 X 6(x6)	
75	OW40-13008-41	SCREW	F3.0 X 8(x2)	
76	OW40-13012-01	SCREW	F3.0 X12(x7)	
78	OW84-00155-01	PCB MOUNTING	Botton MB-1	
80	OW35-40007-00	STEEL NUT	M3	
81	OW35-20001-04	TOOTH WASHER	M3	

Symbol No.	Part No.	Part Name	Description	Local
82	OW35-30005-00	SOLDERING LUG	F3.5mm L=9mm	
83	OW40-03005-01	SCREW	M3 X 5	



# Electrical parts list

## Main board

Block No. [0][1][0][0]

Symbol No.	Part No.	Part Name	Description	Local
IC201	TA2099	IC	OW03-02099-00	
Q201	9018G	TRANSISTOR	OW01-09018-07F	
Q202	2SC945P	TRANSISTOR	OW01-00945-16	
Q203	2SA733P	TRANSISTOR	OW01-00733-16	
Q204	9013G	TRANSISTOR	OW01-09013-11B	
Q205	8550	TRANSISTOR	OW01-08550-06	
Q206	9013G	TRANSISTOR	OW01-09013-11B	
Q207	9013G	TRANSISTOR	OW01-09013-11B	
Q208	9018	TRANSISTOR	OW01-09018-10	
Q209	9014	TRANSISTOR	OW01-09014-05	
Q250	9014	TRANSISTOR	OW01-09014-05	
Q251	8550	TRANSISTOR	OW01-08550-06	
Q260	9014	TRANSISTOR	OW01-09014-05	
Q261	9014	TRANSISTOR	OW01-09014-05	
Q262	9014	TRANSISTOR	OW01-09014-05	
Q263	9014	TRANSISTOR	OW01-09014-05	
Q280	9014	TRANSISTOR	OW01-09014-05	
Q281	8550	TRANSISTOR	OW01-08550-06	
Q304	8050	TRANSISTOR	OW01-08050-06	
Q307	8050	TRANSISTOR	OW01-08050-06	
Q308	8050	TRANSISTOR	OW01-08050-06	
Q309	9013G	TRANSISTOR	OW01-09013-11B	
Q310	9013G	TRANSISTOR	OW01-09013-11B	
Q311	9013G	TRANSISTOR	OW01-09013-11B	
Q312	9013G	TRANSISTOR	OW01-09013-11B	
Q313	9013G	TRANSISTOR	OW01-09013-11B	
Q314	9013G	TRANSISTOR	OW01-09013-11B	
Q315	9013G	TRANSISTOR	OW01-09013-11B	
Q316	9014	TRANSISTOR	OW01-09014-05	
Q318	8550	TRANSISTOR	OW01-08550-06	
Q319	9014	TRANSISTOR	OW01-09014-05	
Q360	8050	TRANSISTOR	OW01-08050-06	
Q361	2SC2412K	TRANSISTOR	OW01-02412-00R	
Q370	8550	TRANSISTOR	OW01-08550-06	
Q803	9013G	TRANSISTOR	OW01-09013-11B	
Q804	9013G	TRANSISTOR	OW01-09013-11B	
△ Q830	KTD2058Y	TRANSISTOR	OW01-02058-00	
Q831	8550	TRANSISTOR	OW01-08550-06	
Q832	9014	TRANSISTOR	OW01-09014-05	
Q860	2SC945P	TRANSISTOR	OW01-00945-16	
Q861	2SC1383R	TRANSISTOR	OW01-01383-19	
D201	IN4148	FR DIODE	OW02-04148-00R	
D202	IN4148	FR DIODE	OW02-04148-00R	
D203	IN4148	FR DIODE	OW02-04148-00R	
D204	IN4148	FR DIODE	OW02-04148-00R	
D205	OW02-50120-00	Z DIODE	12V 0.5W	
D206	1SS-133TP	FR DIODE	OW02-00133-00	
D207	OW02-50100-00	Z DIODE	10V 0.5W	
D301	1SS-133TP	FR DIODE	OW02-00133-00	
D302	IN4148	FR DIODE	OW02-04148-00R	
D303	IN4148	FR DIODE	OW02-04148-00R	
D304	1SS-133TP	FR DIODE	OW02-00133-00	
D306	IN4148	FR DIODE	OW02-04148-00R	
D307	IN4148	FR DIODE	OW02-04148-00R	
D370	IN4001	FR DIODE	OW02-04001-00	
D801	IN4148	FR DIODE	OW02-04148-00R	
D850	1SS-133TP	FR DIODE	OW02-00133-00	
D861	1SS-133TP	FR DIODE	OW02-00133-00	
D862	IN4148	FR DIODE	OW02-04148-00R	
D863	1SS-133TP	FR DIODE	OW02-00133-00	
C202	OW06-16477-02	E CAPACITOR	470mF 16V	
C203	OW05-03104-06T	C CAPACITOR	0.1mF	
C204	OW05-03223-06T	C CAPACITOR	0.022mF	
C205	OW05-03101-06T	C CAPACITOR	100pF	
C206	OW06-25476-02	E CAPACITOR	47mF 25V	
C207	OW05-03223-06T	C CAPACITOR	0.022mF	
C208	OW05-03101-06T	C CAPACITOR	100pF	
C209	OW05-03103-06T	C CAPACITOR	0.01mF	
C210	OW05-03223-06T	C CAPACITOR	0.022mF	

Symbol No.	Part No.	Part Name	Description	Local
C211	OW06-16336-02	E CAPACITOR	33mF 16V	
C213	OW05-03151-03T	C CAPACITOR	150pF	
C214	OW05-03222-06T	C CAPACITOR	2200pF	
C215	OW05-03822-06T	C CAPACITOR	8200pF	
C216	OW05-03822-06T	C CAPACITOR	8200pF	
C217	OW05-03223-06T	C CAPACITOR	0.022mF	
C218	OW05-03681-03T	CHIP CAPACITOR	680pF	
C220	OW06-16106-02	E CAPACITOR	10mF 16V	
C221	OW06-16106-02	E CAPACITOR	10 mF 16V	
C222	OW06-50474-20	E CAPACITOR	0.47mF 50V	
C223	OW06-50105-02	E CAPACITOR	1mF 50V	
C224	OW06-50104-03	E CAPACITOR	0.1mF 50V	
C225	OW05-03103-06T	C CAPACITOR	0.01mF	
C226	OW05-03103-06T	C CAPACITOR	0.01mF	
C227	OW06-50225-02	E CAPACITOR	2.2mF 50V	
C228	OW05-03104-06T	C CAPACITOR	0.1mF	
C229	OW06-50105-02	E CAPACITOR	1mF 50V	
C230	OW05-03200-03T	C CAPACITOR	20pF	
C231	OW05-09361-05	POLY FILM CAP	360pF	
C232	OW05-03220-06T	C CAPACITOR	22P	
C233	OW05-03050-03T	CHIP CAPACITOR	5pF	
C234	OW05-00183-82	C CAPACITOR	0.018mF	
C237	OW05-03223-06T	C CAPACITOR	0.022mF	
C238	OW06-16227-02	E CAPACITOR	220mF 16V	
C239	OW05-07104-82B	C CAPACITOR	0.1mF	
C240	OW06-16226-02	E CAPACITOR	22mF 16V	
C241	OW06-50225-02	E CAPACITOR	2.2mF 50V	
C242	OW06-50225-02	E CAPACITOR	2.2mF 50V	
C250	OW05-03330-03T	CHIP CAPACITOR	33pF	
C251	OW05-03104-06T	C CAPACITOR	0.1mF	
C253	OW05-03271-03T	C CAPACITOR	270 pF	
C254	OW06-50225-02	E CAPACITOR	2.2mF 50V	
C255	OW05-03561-03T	CHIP CAPACITOR	560pF	
C256	OW05-03104-06T	C CAPACITOR	0.1mF	
C257	OW06-16107-02	E CAPACITOR	100mF 16V	
C258	OW05-03510-10T	CHIP CAPACITOR	51pF	
C259	OW05-03510-10T	CHIP CAPACITOR	51pF	
C260	OW05-03330-03T	CHIP CAPACITOR	33pF	
C261	OW05-03330-03T	CHIP CAPACITOR	33pF	
C262	OW05-03223-06T	C CAPACITOR	0.022mF	
C263	OW06-16107-02	E CAPACITOR	100mF 16V	
C264	OW05-03102-06T	C CAPACITOR	1000pF	
C265	OW05-03102-06T	C CAPACITOR	1000pF	
C266	OW06-50335-02	E CAPACITOR	3.3mF 50V	
C267	OW05-03223-06T	C CAPACITOR	0.022mF	
C268	OW05-03223-06T	C CAPACITOR	0.022mF	
C269	OW06-50105-02	E CAPACITOR	1mF 50V	
C270	OW05-03223-06T	C CAPACITOR	0.022mF	
C271	OW05-03223-06T	C CAPACITOR	0.022mF	
C272	OW06-25477-02	E CAPACITOR	470mF 25V	
C273	OW05-03104-06T	C CAPACITOR	0.1mF	
C274	OW05-03223-06T	C CAPACITOR	0.022mF	
C275	OW07-25000-60K	C RESISTOR	0 1/16W	
C284	OW05-03104-06T	C CAPACITOR	0.1mF	
C285	OW05-03221-03T	CHIP CAPACITOR	220pF	
C286	OW05-03221-03T	CHIP CAPACITOR	220pF	
C287	OW05-03221-03T	CHIP CAPACITOR	220pF	
C288	OW05-03101-06T	C CAPACITOR	100pF	
C289	OW05-03101-06T	C CAPACITOR	100pF	
C301	OW05-03102-06T	C CAPACITOR	1000pF	
C302	OW05-03102-06T	C CAPACITOR	1000pF	
C303	OW06-16227-02	E CAPACITOR	220mF 16V	
C304	OW06-16227-02	E CAPACITOR	220mF 16V	
C307	OW05-03331-03T	CHIP CAPACITOR	330pF	
C308	OW05-03331-03T	CHIP CAPACITOR	330pF	
C309	OW06-50475-02	E CAPACITOR	4.7mF 50V	
C310	OW06-50475-02	E CAPACITOR	4.7mF 50V	
C311	OW05-03392-06T	C CAPACITOR	0.0039mF	
C312	OW05-03392-06T	C CAPACITOR	0.0039mF	
C313	OW05-03102-06T	C CAPACITOR	1000pF	
C314	OW05-03102-06T	C CAPACITOR	1000pF	
C315	OW05-02473-10	M CAPACITOR	0.047mF	
C316	OW05-02473-10	M CAPACITOR	0.047mF	
C317	OW05-02333-10	M CAPACITOR	0.033mF	
C318	OW05-02333-10	M CAPACITOR	0.033mF	
C319	OW06-50104-03	E CAPACITOR	0.1mF 50V	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C320	OW06-50104-03	E CAPACITOR	0.1mF 50V		C815	OW05-02154-10	M CAPACITOR	0.15mF	
C321	OW05-03392-06T	C CAPACITOR	0.0039mF		C816	OW05-02154-10	M CAPACITOR	0.15mF	
C322	OW05-03392-06T	C CAPACITOR	0.0039mF		C817	OW05-03104-06T	C CAPACITOR	0.1mF	
C323	OW06-50105-02	E CAPACITOR	1mF 50V		C818	OW06-16227-02	E CAPACITOR	220mF 16V	
C324	OW06-16106-02	E CAPACITOR	10mF 16V		△ C819	OW06-25338-00	E CAPACITOR	3300mF 25V	
C325	OW06-16227-02	E CAPACITOR	220mF 16V		C820	OW06-25477-02	E CAPACITOR	470mF 25V	
C326	OW05-03222-06T	C CAPACITOR	2200pF		C821	OW05-03104-06T	C CAPACITOR	0.1mF	
C327	OW05-03182-06T	C CAPACITOR	0.0018mF		C822	OW05-03104-06T	C CAPACITOR	0.1mF	
C328	OW05-03182-06T	C CAPACITOR	0.0018mF		C823	OW05-07104-82B	C CAPACITOR	0.1mF	
C329	OW06-50105-02	E CAPACITOR	1mF 50V		C825	OW05-03103-06T	C CAPACITOR	0.01mF	
C330	OW06-50105-02	E CAPACITOR	1mF 50V		C826	OW05-03103-06T	C CAPACITOR	0.01mF	
C331	OW06-50105-02	E CAPACITOR	1mF 50V		C831	OW06-16107-02	E CAPACITOR	100mF 16V	
C332	OW06-50105-02	E CAPACITOR	1mF 50V		C832	OW05-03104-06T	C CAPACITOR	0.1mF	
C333	OW05-03102-06T	C CAPACITOR	1000pF		△ C852	OW06-25108-00	E CAPACITOR	1000mF 25V	
C334	OW05-03102-06T	C CAPACITOR	1000pF		C860	OW06-25106-02	E CAPACITOR	10mF 25V	
C335	OW05-03151-03T	C CAPACITOR	150pF		C861	OW06-16106-02	E CAPACITOR	10mF 16V	
C336	OW05-03151-03T	C CAPACITOR	150pF		C862	OW06-16107-02	E CAPACITOR	100mF 16V	
C337	OW05-03151-03T	C CAPACITOR	150pF		C863	OW06-16227-02	E CAPACITOR	220mF 16V	
C338	OW05-03151-03T	C CAPACITOR	150pF		C870	OW05-03102-06T	C CAPACITOR	1000pF	
C339	OW06-16227-02	E CAPACITOR	220mF 16V		C871	OW05-03102-06T	C CAPACITOR	1000pF	
C340	OW06-16106-02	E CAPACITOR	10mF 16V		C872	OW05-03104-06T	C CAPACITOR	0.1mF	
C341	OW06-16476-02	E CAPACITOR	47mF 16V		C874	OW05-03104-06T	C CAPACITOR	0.1mF	
C342	OW06-16106-02	E CAPACITOR	10mF 16V		TC201	OW05-08100-03	TR CAPACITOR	10pF 3Pin	
C343	OW06-16227-02	E CAPACITOR	220mF 16V						
C344	OW05-03223-06T	C CAPACITOR	0.022mF		R146	OW07-15121-50T	C RESISTOR	120 1/8W	
C345	OW05-00151-00	C CAPACITOR	150pF		R147	OW07-15121-50T	C RESISTOR	120 1/8W	
C350	OW05-03104-06T	C CAPACITOR	0.1mF		R201	OW07-25100-60K	C RESISTOR	10 1/16W	
C351	OW05-03104-06T	C CAPACITOR	0.1mF		R202	OW07-25331-60K	C RESISTOR	330 1/8W	
C360	OW05-02392-10	M CAPACITOR	0.0039mF		R203	OW07-25223-60K	C RESISTOR	22K 1/16W	
C361	OW05-03331-03T	CHIP CAPACITOR	330pF		R204	OW07-25103-60K	C RESISTOR	10K 1/16W	
C362	OW05-02103-10	M CAPACITOR	0.01mF		R205	OW07-25473-60K	C RESISTOR	47K 1/16W	
C363	OW05-02102-10	M CAPACITOR	0.001mF		R206	OW07-25472-60K	C RESISTOR	4.7K 1/16W	
C364	OW05-02102-10	M CAPACITOR	0.001mF		R207	OW07-25101-60K	C RESISTOR	100 1/16W	
C365	OW06-16336-02	E CAPACITOR	33mF 16V		R208	OW07-25124-60K	C RESISTOR	120K 1/16W	
C366	OW05-03223-06T	C CAPACITOR	0.022mF		R209	OW07-25331-60K	C RESISTOR	330 1/8W	
C367	OW05-03223-06T	C CAPACITOR	0.022mF		R210	OW07-25331-60K	C RESISTOR	330 1/8W	
C370	OW05-03223-06T	C CAPACITOR	0.022mF		R211	OW07-25183-60K	C RESISTOR	18K 1/16W	
C371	OW05-03223-06T	C CAPACITOR	0.022mF		R212	OW07-25183-60K	C RESISTOR	18K 1/16W	
C372	OW05-03223-06T	C CAPACITOR	0.022mF		R213	OW07-25272-60K	C RESISTOR	2.7K 1/16W	
C373	OW06-16227-02	E CAPACITOR	220mF 16V		R214	OW07-25272-60K	C RESISTOR	2.7K 1/16W	
C374	OW05-07223-82A	C CAPACITOR	0.022mF		R215	OW07-25473-60K	C RESISTOR	47K 1/16W	
C375	OW05-03561-03T	CHIP CAPACITOR	560pF		R216	OW07-15102-50T	C RESISTOR	1K 1/8W	
C376	OW05-03561-03T	CHIP CAPACITOR	560pF		R217	OW07-25103-60K	C RESISTOR	10K 1/16W	
C601	OW06-50475-02	E CAPACITOR	4.7mF 50V		R218	OW07-25103-60K	C RESISTOR	10K 1/16W	
C602	OW06-50475-02	E CAPACITOR	4.7mF 50V		R222	OW07-25332-60K	C RESISTOR	3.3K 1/16W	
C603	OW06-50475-02	E CAPACITOR	4.7mF 50V		R225	OW07-25102-60K	C RESISTOR	1K 1/16W	
C604	OW06-50475-02	E CAPACITOR	4.7mF 50V		R230	OW07-25471-60K	C RESISTOR	470 1/16 W	
C605	OW06-50475-02	E CAPACITOR	4.7mF 50V		R231	OW07-25274-60K	C RESISTOR	270K 1/16W	
C606	OW06-50475-02	E CAPACITOR	4.7mF 50V		R232	OW07-15151-50T	C RESISTOR	150 1/8W	
C607	OW06-50475-02	E CAPACITOR	4.7mF 50V		R233	OW07-25223-60K	C RESISTOR	22K 1/16W	
C608	OW06-50475-02	E CAPACITOR	4.7mF 50V		R234	OW07-25223-60K	C RESISTOR	22K 1/16W	
C611	OW06-50224-02	E CAPACITOR	0.22mF 50V		R235	OW07-25103-60K	C RESISTOR	10K 1/16W	
C612	OW06-50224-02	E CAPACITOR	0.22mF 50V		R236	OW07-15103-50T	C RESISTOR	10K 1/8W	
C615	OW05-02104-10	M CAPACITOR	0.1mF		R237	OW07-25102-60K	C RESISTOR	1K 1/16W	
C616	OW05-02104-10	M CAPACITOR	0.1mF		R238	OW07-25223-60K	C RESISTOR	22K 1/16W	
C617	OW06-50105-02	E CAPACITOR	1mF 50V		R240	OW07-25222-60K	C RESISTOR	2.2K 1/16W	
C618	OW06-50105-02	E CAPACITOR	1mF 50V		R241	OW07-25104-60K	C RESISTOR	100K 1/16W	
C619	OW06-50475-02	E CAPACITOR	4.7mF 50V		R242	OW07-25223-60K	C RESISTOR	22K 1/16W	
C620	OW06-50475-02	E CAPACITOR	4.7mF 50V		R243	OW07-25102-60K	C RESISTOR	1K 1/16W	
C621	OW05-02103-10	M CAPACITOR	0.01mF		R244	OW07-25223-60K	C RESISTOR	22K 1/16W	
C622	OW05-02103-10	M CAPACITOR	0.01mF		R245	OW07-15104-50T	C RESISTOR	100K 1/8W	
C623	OW06-16227-02	E CAPACITOR	220mF 16V		R246	OW07-25104-60K	C RESISTOR	100K 1/16W	
C624	OW05-03104-06T	C CAPACITOR	0.1mF		R247	OW07-25472-60K	C RESISTOR	4.7K 1/16W	
C625	OW06-16107-02	E CAPACITOR	100mF 16V		R248	OW07-25472-60K	C RESISTOR	4.7K 1/16W	
C626	OW05-07223-82A	C CAPACITOR	0.022mF		R251	OW07-25104-60K	C RESISTOR	100K 1/16W	
C628	OW05-03221-03T	CHIP CAPACITOR	220pF		R253	OW07-25152-60K	C RESISTOR	1.5K 1/16W	
C629	OW05-03221-03T	CHIP CAPACITOR	220pF		R255	OW07-15470-50T	C RESISTOR	47 1/8W	
C650	OW05-03103-06T	C CAPACITOR	0.01mF		R256	OW07-25104-60K	C RESISTOR	100K 1/16W	
C651	OW05-03103-06T	C CAPACITOR	0.01mF		R258	OW09-70102-00C	COIL	100uH	
C801	OW06-16226-02	E CAPACITOR	22mF 16V		R259	OW07-25103-60K	C RESISTOR	10K 1/16W	
C807	OW06-50225-02	E CAPACITOR	2.2mF 50V		R260	OW07-25000-60K	C RESISTOR	0 1/16W	
C808	OW06-50225-02	E CAPACITOR	2.2mF 50V		R261	OW07-25102-60K	C RESISTOR	1K 1/16W	
C809	OW06-16476-02	E CAPACITOR	47mF 16V		R262	OW07-25102-60K	C RESISTOR	1K 1/16W	
C810	OW06-16476-02	E CAPACITOR	47mF 16V		R263	OW07-25102-60K	C RESISTOR	1K 1/16W	
C811	OW06-16108-00	E CAPACITOR	1000mF 16V		R266	OW07-25000-60K	C RESISTOR	0 1/16W	
C812	OW06-16108-00	E CAPACITOR	1000mF 16V		R267	OW07-15561-50T	C RESISTOR	560 1/8W	
C813	OW06-16107-02	E CAPACITOR	100mF 16V		R268	OW07-25152-60K	C RESISTOR	1.5K 1/16W	
C814	OW06-16107-02	E CAPACITOR	100mF 16V		R269	OW07-25152-60K	C RESISTOR	1.5K 1/16W	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R270	OW07-25102-60K	C RESISTOR	1K 1/16W		R361	OW07-25333-60K	C RESISTOR	33K 1/16W	
R271	OW07-25103-60K	C RESISTOR	10K 1/16W		R362	OW07-25104-60K	C RESISTOR	100K 1/16W	
R272	OW07-25472-60K	C RESISTOR	4.7K 1/16W		R364	OW07-15820-00	C RESISTOR	82 1/4W	
R273	OW07-25102-60K	C RESISTOR	1K 1/16W		R365	OW07-15273-50T	C RESISTOR	27K 1/8W	
R274	OW07-25103-60K	C RESISTOR	10K 1/16W		R366	OW07-25047-60K	C RESISTOR	4.7 1/16W	
R275	OW07-25103-60K	C RESISTOR	10K 1/16W		R369	OW07-25202-60K	C RESISTOR	2K 1/16W	
R276	OW07-25103-60K	C RESISTOR	10K 1/16W		R371	OW07-25104-60K	C RESISTOR	100K 1/16W	
R277	OW07-15103-50T	C RESISTOR	10K 1/8W		△ R372	OW07-15100-08	FUSE RESISTOR	10 1/4W	
R278	OW07-15102-50T	C RESISTOR	1K 1/8W		R373	OW07-15472-50T	C RESISTOR	4.7K 1/8W	
R279	OW07-15103-50T	C RESISTOR	10K 1/8W		R375	OW07-15181-50T	C RESISTOR	180 1/8W	
R280	OW07-25103-60K	C RESISTOR	10K 1/16W		R600	OW07-15121-50T	C RESISTOR	120 1/8W	
R281	OW07-25103-60K	C RESISTOR	10K 1/16W		R601	OW07-25393-60K	C RESISTOR	39K 1/16W	
R282	OW07-25182-60K	C RESISTOR	1.8K 1/16W		R602	OW07-25393-60K	C RESISTOR	39K 1/16W	
R284	OW07-25102-60K	C RESISTOR	1K 1/16W		R603	OW07-25182-60K	C RESISTOR	1.8K 1/16W	
R285	OW07-25102-60K	C RESISTOR	1K 1/16W		R604	OW07-25182-60K	C RESISTOR	1.8K 1/16W	
R286	OW07-25104-60K	C RESISTOR	100K 1/16W		R605	OW07-25472-60K	C RESISTOR	4.7K 1/16W	
R287	OW07-25101-60K	C RESISTOR	100 1/16W		R606	OW07-25472-60K	C RESISTOR	4.7K 1/16W	
R288	OW07-25223-60K	C RESISTOR	22K 1/16W		R607	OW07-25472-60K	C RESISTOR	4.7K 1/16W	
R289	OW07-25122-60K	C RESISTOR	1.2K 1/16W		R608	OW07-25472-60K	C RESISTOR	4.7K 1/16W	
R290	OW07-25562-60K	C RESISTOR	5.6K 1/16W		R801	OW07-25103-60K	C RESISTOR	10K 1/16W	
R291	OW07-25562-60K	C RESISTOR	5.6K 1/16W		R802	OW07-25103-60K	C RESISTOR	10K 1/16W	
R292	OW07-25223-60K	C RESISTOR	22K 1/16W		R803	OW07-15472-50T	C RESISTOR	4.7K 1/8W	
R293	OW07-25332-60K	C RESISTOR	3.3K 1/16W		R804	OW07-25473-60K	C RESISTOR	4.7K 1/16W	
R294	OW07-25223-60K	C RESISTOR	22K 1/16W		R805	OW07-25392-60K	C RESISTOR	3.9K 1/16W	
R295	OW07-15103-50T	C RESISTOR	10K 1/8W		R806	OW07-25392-60K	C RESISTOR	3.9K 1/16W	
R296	OW07-25222-60K	C RESISTOR	2.2K 1/16W		R807	OW07-25331-60K	C RESISTOR	330 1/8W	
R297	OW07-25222-60K	C RESISTOR	2.2K 1/16W		R808	OW07-25331-60K	C RESISTOR	330 1/8W	
R298	OW07-25393-60K	C RESISTOR	39K 1/16W		R809	OW07-15022-00	C RESISTOR	2.2 1/4W	
R301	OW07-25102-60K	C RESISTOR	1K 1/16W		R810	OW07-15022-00	C RESISTOR	2.2 1/4W	
R302	OW07-25102-60K	C RESISTOR	1K 1/16W		R811	OW07-25103-60K	C RESISTOR	10K 1/16W	
R304	OW07-25332-60K	C RESISTOR	3.3K 1/16W		R812	OW07-25103-60K	C RESISTOR	10K 1/16W	
R305	OW07-25150-60K	C RESISTOR	15 1/16W		△ R813	OW07-15470-08	FUSE RESISTOR	47 1/4W	
R306	OW07-25150-60K	C RESISTOR	15 1/16W		R817	OW07-25222-60K	C RESISTOR	2.2K 1/16W	
R307	OW07-25472-60K	C RESISTOR	4.7K 1/16W		R818	OW07-25222-60K	C RESISTOR	2.2K 1/16W	
R308	OW07-25472-60K	C RESISTOR	4.7K 1/16W		R819	OW07-25103-60K	C RESISTOR	10K 1/16W	
R310	OW07-15221-50T	C RESISTOR	220 1/8W		R820	OW07-25103-60K	C RESISTOR	10K 1/16W	
R311	OW07-25472-60K	C RESISTOR	4.7K 1/16W		R821	OW07-25000-60K	C RESISTOR	0 1/16W	
R312	OW07-25472-60K	C RESISTOR	4.7K 1/16W		R830	OW07-25560-60K	C RESISTOR	56 1/16W	
R313	OW07-25562-60K	C RESISTOR	5.6K 1/16W		R831	OW07-25273-60K	C RESISTOR	27K 1/16W	
R314	OW07-25562-60K	C RESISTOR	5.6K 1/16W		R832	OW07-25152-60K	C RESISTOR	1.5K 1/16W	
R315	OW07-15153-50T	C RESISTOR	15K 1/8W		R833	OW07-25104-60K	C RESISTOR	100K 1/16W	
R316	OW07-15153-50T	C RESISTOR	15K 1/8W		R834	OW07-15221-00	C RESISTOR	220 1/4W	
R318	OW07-25103-60K	C RESISTOR	10K 1/16W		△ R835	ICP-N20	IC PROTECTOR	800mA	
R319	OW07-25473-60K	C RESISTOR	47K 1/16W		R836	OW07-25103-60K	C RESISTOR	10K 1/16W	
R320	OW07-25473-60K	C RESISTOR	47K 1/16W		R837	OW07-25103-60K	C RESISTOR	10K 1/16W	
R321	OW07-25473-60K	C RESISTOR	47K 1/16W		R860	OW07-15471-50T	C RESISTOR	470 1/8W	
R322	OW07-25000-60K	C RESISTOR	0 1/16W		R861	OW07-15470-00	C RESISTOR	47 1/4W	
R323	OW07-25683-60K	C RESISTOR	68K 1/16 W		R862	OW07-15821-00	C RESISTOR	820 1/4W	
R324	OW07-25683-60K	C RESISTOR	68K 1/16W		△ R863	OW07-15470-08	FUSE RESISTOR	47 1/4W	
R325	OW07-25151-60K	C RESISTOR	150 1/16W		R864	OW07-15047-00	C RESISTOR	4.7 1/4W	
R326	OW07-25151-60K	C RESISTOR	150 1/16W		R881	OW07-15181-50T	C RESISTOR	180 1/8W	
R327	OW07-25473-60K	C RESISTOR	47K 1/16W		R882	OW07-15181-50T	C RESISTOR	180 1/8W	
R328	OW07-25473-60K	C RESISTOR	47K 1/16W		L203	OW09-70220-00C	COIL	2.2mH	
R329	OW07-25823-60K	C RESISTOR	82K 1/16W		L205	OW09-70101-00	AXIAL LEAD	Inductor 10mH	
R330	OW07-25823-60K	C RESISTOR	82K 1/16W		L206	OW09-70102-00C	COIL	100uH	
R331	OW07-25223-60K	C RESISTOR	22K 1/16W		L301	OW09-40474-00W	CHOKE COIL	47mH F6 X 8mm	
R332	OW07-25223-60K	C RESISTOR	22K 1/16W		L302	OW09-40474-00W	CHOKE COIL	47mH F6 X 8mm	
R333	OW07-25103-60K	C RESISTOR	10K 1/16W		L801	OW09-40080-00W	CHOKE COIL	8uH	
R334	OW07-25103-60K	C RESISTOR	10K 1/16W		L802	OW09-40080-00W	CHOKE COIL	8uH	
R335	OW07-25333-60K	C RESISTOR	33K 1/16W		L803	OW09-40080-00W	CHOKE COIL	8uH	
R336	OW07-25333-60K	C RESISTOR	33K 1/16W		L804	OW09-40080-00W	CHOKE COIL	8uH	
R338	OW07-25151-60K	C RESISTOR	150 1/16W		L805	OW09-40080-00W	CHOKE COIL	8uH	
R339	OW07-25684-60K	C RESISTOR	680K 1/16W		L807	OW09-40080-00W	CHOKE COIL	8uH	
R340	OW07-25102-60K	C RESISTOR	1K 1/16W		L808	OW09-40080-00W	CHOKE COIL	8uH	
R341	OW07-15680-50T	C RESISTOR	68 1/8W		L881	OW08-04344-40	FERRITE COIL	4T	
R342	OW07-25681-60K	C RESISTOR	680 1/16W		L882	OW08-04344-40	FERRITE COIL	4T	
R343	OW07-25102-60K	C RESISTOR	1K 1/16W		L883	OW08-04344-40	FERRITE COIL	4T	
R344	OW07-25104-60K	C RESISTOR	100K 1/16W		T201	OW08-01014-02	IFT	Red 1A1014N	
R345	OW07-25472-60K	C RESISTOR	4.7K 1/16W		T202	OW08-86436-70	AM ANT		
R346	OW07-25222-60K	C RESISTOR	2.2K 1/16W		T203	OW08-00332-24C	IFT	Yellow 10mm	
R347	OW07-25103-60K	C RESISTOR	10K 1/16W		T204	OW08-73995-00	FM DET	114 Khz Filter	
R349	OW07-25103-60K	C RESISTOR	10K 1/16W		T360	OW08-00825-00L	REC BIAC	OSC 1A825N Black	
R351	OW07-15223-50T	C RESISTOR	22K 1/8W		BP201	OW09-80001-00T	FM BP FILTER	BPF-10833KF	
R352	OW07-25103-60K	C RESISTOR	10K 1/16W		CF201	OW09-50107-24J	CER. FILTER	LT10. 7MS3	
R353	OW07-25562-60K	C RESISTOR	5.6K 1/16W		CF202	OW09-50107-24J	CER. FILTER	LT10. 7MS3	
R354	OW07-25562-60K	C RESISTOR	5.6K 1/16W		CF203	OW09-50107-24J	CER. FILTER	LT10. 7MS3	
R355	OW07-25683-60K	C RESISTOR	68K 1/16W						
R360	OW07-15103-50T	C RESISTOR	10K 1/8W						

Symbol No.	Part No.	Part Name	Description	Local
CF204	OW09-50450-00J	CER. FILTER	450HK2	
CF205	OW09-50107-07J	CER. DIS.	JT10.7MG82	
CN201	OW12-00007-21	FM ANT SOCKET	75TC-103	
CN202	OW20-12020-01K	2PIN HEADER	P=2.5mm	
CN260	OW20-11060-02	6PIN RED HEADER	P=2 mm B6B-PH	
CN301	OW20-11050-00	5PIN HEADER	B5B-PH JST 2mm	
CN370	OW20-11060-00	6PIN HEADER	B6B-PH JST 2mm	
CN601	OW20-11040-00	4PIN HEADER	P=2mm B4B-PH JST	
CN602	OW20-11030-00	3PIN HEADER	P=2mm B3B-PH JST	
CN801	OW20-12050-00	5PIN HEADER	P=2.5mm	
CN802	OW12-00006-00Q	SPK. TERMINAL	WP-4112AE	
CN850	OW20-11070-00	7PIN HEADER	P=2mm B7B-PH JST	
CN851	OW20-12020-00	2PIN HEADER	P=2.5mm	
CN860	OW20-12060-00	6PIN HEADER	P=2.5mm	
FP201	OWENV17105G1	TUNER PAD	00-00505-00	
J250	OW07-25001-50K	RMC SMD	0 1/8W JP TP	
J251	OW07-25001-50K	RMC SMD	0 1/8W JP TP	
J252	OW07-25001-50K	RMC SMD	0 1/8W JP TP	
J253	OW07-25001-50K	RMC SMD	1206 0 1/8W JP TP	
J254	OW07-25001-50K	RMC SMD	0 1/8W JP TP	
J257	OW07-25001-50K	RMC SMD	0 1/8W JP TP	
J258	OW07-25001-50K	RMC SMD	0 1/8W JP TP	
J259	OW07-25001-50K	RMC SMD	0 1/8W JP TP	
J260	OW07-25001-50K	RMC SMD	0 1/8W JP TP	
J261	OW07-25001-50K	RMC SMD	0 1/8W JP TP	
J262	OW07-25001-50K	RMC SMD	0 1/8W JP TP	
J263	OW07-25001-50K	RMC SMD	1206 0 1/8W JP TP	
J264	OW07-25000-60K	C RESISTOR	0 1/16W	
J265	OW07-25000-60K	C RESISTOR	0 1/16W	
J267	OW07-25000-60K	C RESISTOR	0 1/16W	
J268	OW07-25001-50K	RMC SMD	0 1/8W JP TP	
J269	OW05-03103-06T	C CAPACITOR	0.01mF	
J350	OW07-25001-50K	RMC SMD	0 1/8W JP TP	
J351	OW07-25001-50K	RMC SMD	0 1/8W JP TP	
J352	OW07-25000-60K	C RESISTOR	0 1/16W	
J650	OW07-25000-60K	C RESISTOR	0 1/16W	
J651	OW07-25000-60K	C RESISTOR	0 1/16W	
J850	OW07-25001-50K	RMC SMD	0 1/8W JP TP	
J852	OW07-25001-50K	RMC SMD	0 1/8W JP TP	
J854	OW07-25001-50K	RMC SMD	0 1/8W JP TP	
JK801	OW12-21235-15Q	JK	F3.5mm W/2P2T	
U250	PT2579	IC	OW03-02579-00	
U260	TC9257F	IC	OW03-09257-01	
U301	AN7312	IC	OW03-07312-00	
U312	UPC1330HA	IC	OW03-01330-00	
U601	TC9422F	IC	OW03-09422-00	
△ U801	TA8229K	IC	OW03-08229-00	
△ U851	ML7808FA	IC	OW03-07808-04	
VD201	SVC348-S	TUNING DIODE	OW02-00348-00	
X250	OW04-04332-07	CRYSTAL	HC-49/U+-20PPM	
X260	OW04-07200-08	CRYSTAL	HC-49/US+-20PPM	
XXXXXX	OW20-42052-33	5PIN H'G	CN880 to CN801	
XXXXXX	OW20-61053-18	5PIN	For Cass Head	
XXXXXX	OW08-04344-98T	FERRITE CORE	For Cass Mech	
XXXXXX	OW20-41062-32K	6PIN	For cass Mech	
XXXXXX	OW25-84050-02	2PIN	For CN110 to CN101	
XXXXXX	OW08-04344-50	FERRITE CORE	T25 X 15 X 10	
XXXXXX	OW32-92280-20	SHIELDING WIRE	For FM Gnd2	
XXXXXX	OW32-92280-20	SHIELDING WIRE	For FM RF1	
XXXXXX	OW68-90033-00	COPPER FOIL	For FP201	
XXXXXX	OW32-92280-20	SHIELDING WIRE	Gnd1 to FM RF2	
XXXXXX	OW08-04344-99	FERRITE CORE	Phone to Main	
XXXXXX	OW05-00561-00	C CAPACITOR	Tie 5 to Tie 6	
XXXXXX	OW02-30005-03	F3MM SUPER	LED 102	
XXXXXX	OW02-30005-03	F3MM SUPER	LED 103	
XXXXXX	OW84-00003-00A	CABLE TIE	4 UL	
XXXXXX	OW28-32010-00	FIBRE TUBE	2 X R372	
XXXXXX	OW28-02013-01	PVC TUBE	F2mm L=13mm	
XXXXXX	OW28-02020-01	PVC TUBE	F2mm L=20 mm	
△ ZD830	OW02-50091-00	Z DIODE	9.1V 0.5W	
△ ZD860	OW02-50068-00	Z DIODE	6.8V 0.5W	
△ ZD861	OW02-50062-00	Z DIODE	6.2V 0.5W	

## CD board

Block No. [0][2][0][0]

Symbol No.	Part No.	Part Name	Description	Local
IC701	TC9462F	IC	OW03-09462-00	
IC702	TA2153FN	IC	OW03-02153-00	
IC703	TA2092N	IC	OW03-02092-00	
Q701	2SC945P	TRANSISTOR	OW01-00945-16	
Q702	2SC945P	TRANSISTOR	OW01-00945-16	
Q703	2SA733P	TRANSISTOR	OW01-00733-16	
Q704	2SC1383R	TRANSISTOR	OW01-01383-19	
Q705	2SA733P	TRANSISTOR	OW01-00733-16	
D701	1N4148	GE DIODE	OW2-04148-00C	
C702	OW05-07104-82B	C CAPACITOR	0.1mF	
C703	OW05-07223-82A	C CAPACITOR	0.022mF	
C704	OW06-16476-00	E CAPACITOR	47mF 16V	
C705	OW06-16107-00	E CAPACITOR	100mF 16V	
C706	OW06-16106-00	E CAPACITOR	10mF 16V	
C707	OW06-16106-01	E CAPACITOR	10mF 16V	
C708	OW05-07222-10A	C CAPACITOR	2200pF	
C709	OW05-07473-82A	C CAPACITOR	0.047mF	
C710	OW06-16226-01	E CAPACITOR	22mF 16V	
C711	OW05-07222-10A	C CAPACITOR	2200pF	
C712	OW05-07473-82A	C CAPACITOR	0.047mF	
C713	OW06-16476-01	E CAPACITOR	47mF 16V	
C714	OW06-50105-01	E CAPACITOR	1mF 50V	
C715	OW05-07104-82B	C CAPACITOR	0.1mF	
C716	OW05-07473-82A	C CAPACITOR	0.047mF	
C719	OW06-16476-01	E CAPACITOR	47mF 16V	
C720	OW05-07473-82A	C CAPACITOR	0.047mF	
C721	OW05-00103-00	C CAPACITOR	0.01mF	
C722	OW06-16476-01	E CAPACITOR	47mF 16V	
C723	OW06-16476-01	E CAPACITOR	47mF 16V	
C724	OW06-16227-02	E CAPACITOR	220mF 16V	
C725	OW05-07104-82B	C CAPACITOR	0.1mF	
C726	OW05-07104-82B	C CAPACITOR	0.1mF	
C727	OW05-00103-00	C CAPACITOR	0.01mF	
C728	OW05-07104-82B	C CAPACITOR	0.1mF	
C729	OW05-07104-82B	C CAPACITOR	0.1mF	
C730	OW05-07104-82B	C CAPACITOR	0.1mF	
C731	OW05-07473-82A	C CAPACITOR	0.047mF	
C732	OW05-07473-82A	C CAPACITOR	0.047mF	
C733	OW05-07102-10A	C CAPACITOR	1000pF	
C734	OW06-16476-00	E CAPACITOR	47mF 16V	
C735	OW06-16107-00	E CAPACITOR	100mF 16V	
C736	OW05-07153-20A	C CAPACITOR	0.015mF	
C737	OW05-07103-00A	C CAPACITOR	0.01mF	
C738	OW05-07470-00A	C CAPACITOR	47pF	
C739	OW05-07272-10A	C CAPACITOR	2700pF	
C740	OW06-16476-00	E CAPACITOR	47mF 16V	
C741	OW05-07224-00	C CAPACITOR	0.22mF	
C742	OW05-07471-10A	C CAPACITOR	470pF	
C743	OW05-07471-10A	C CAPACITOR	470pF	
C744	OW05-07473-82A	C CAPACITOR	0.047mF	
C745	OW05-07121-10A	C CAPACITOR	120pF	
C746	OW05-02472-10	M CAPACITOR	0.0047mF	
C747	OW05-07224-00	C CAPACITOR	0.22mF	
C748	OW05-07104-82B	C CAPACITOR	0.1mF	
C749	OW05-07473-82A	C CAPACITOR	0.047mF	
C750	OW06-16107-02	E CAPACITOR	100mF 16V	
C751	OW06-16476-01	E CAPACITOR	47mF 16V	
C752	OW06-16476-00	E CAPACITOR	47mF 16V	
C753	OW05-07473-82A	C CAPACITOR	0.047mF	
C754	OW05-07102-10A	C CAPACITOR	1000pF	
C755	OW05-02473-10	M CAPACITOR	0.047mF	
C756	OW05-00020-06	C CAPACITOR	2pF	
C757	OW05-07473-82A	C CAPACITOR	0.047mF	
C758	OW05-07473-82A	C CAPACITOR	0.047mF	
C759	OW05-07473-82A	C CAPACITOR	0.047mF	
C760	OW05-07104-82B	C CAPACITOR	0.1mF	
C790	OW06-16477-00	E CAPACITOR	470mF 16V	
C791	OW05-07103-00A	C CAPACITOR	0.01mF	
C792	OW05-07103-00A	C CAPACITOR	0.01mF	
C793	OW05-07103-00A	C CAPACITOR	0.01mF	
C794	OW05-07103-00A	C CAPACITOR	0.01mF	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C795	OW05-07103-00A	C CAPACITOR	0.01mF		△ D902	IN4001	FR DIODE	OW02-04001-00	
R701	OW07-15104-50T	C RESISTOR	100K 1/8W		△ D903	IN4001	FR DIODE	OW02-04001-00	
R702	OW07-15104-50T	C RESISTOR	100K 1/8W		△ D904	IN4001	FR DIODE	OW02-04001-00	
R703	OW07-15473-50T	C RESISTOR	47K 1/8W		△ D905	RL202	DIODE RECTIFIER	OW02-00202-00	
R704	OW07-15473-50T	C RESISTOR	47K 1/8W		△ D906	RL202	DIODE RECTIFIER	OW02-00202-00	
R705	OW07-15103-50T	C RESISTOR	10K 1/8W		△ D907	RL202	DIODE RECTIFIER	OW02-00202-00	
R706	OW07-15271-50T	C RESISTOR	270 1/8W		△ D908	RL202	DIODE RECTIFIER	OW02-00202-00	
R707	OW07-15271-50T	C RESISTOR	270 1/8W		△ D909	IN4001	FR DIODE	OW02-04001-00	
R711	OW07-15103-50T	C RESISTOR	10K 1/8W		△ D910	IN4001	FR DIODE	OW02-04001-00	
R716	OW07-15271-50T	C RESISTOR	270 1/8W		△ D911	IN4001	FR DIODE	OW02-04001-00	
R717	OW07-15220-50T	C RESISTOR	22 1/8W		△ D912	IN4001	FR DIODE	OW02-04001-00	
R721	OW07-15332-50T	C RESISTOR	3.3K 1/8W		△ D913	IN4001	FR DIODE	OW02-04001-00	
R722	OW07-15332-50T	C RESISTOR	3.3K 1/8W		D914	IN4148	FR DIODE	OW02-04148-00R	
R723	OW07-15332-50T	C RESISTOR	3.3K 1/8W		C901	OW05-07223-82A	C CAPACITOR	0.022mF	
R724	OW07-15332-50T	C RESISTOR	3.3K 1/8W		C902	OW05-07223-82A	C CAPACITOR	0.022mF	
R725	OW07-15332-50T	C RESISTOR	3.3K 1/8W		C903	OW05-07223-82A	C CAPACITOR	0.022mF	
R726	OW07-15103-50T	C RESISTOR	10K 1/8W		C904	OW05-07223-82A	C CAPACITOR	0.022mF	
R727	OW07-15332-50T	C RESISTOR	3.3K 1/8W		C905	OW05-07223-82A	C CAPACITOR	0.022mF	
R728	OW07-15221-50T	C RESISTOR	220 1/8W		C906	OW05-07223-82A	C CAPACITOR	0.022mF	
R729	OW07-15224-50T	C RESISTOR	220K 1/8W		C907	OW05-07223-82A	C CAPACITOR	0.022mF	
R730	OW07-15683-50T	C RESISTOR	68K 1/8W		C908	OW05-07223-82A	C CAPACITOR	0.022mF	
R731	OW07-15103-50T	C RESISTOR	10K 1/8W		C909	OW05-07223-82A	C CAPACITOR	0.022mF	
R732	OW07-15153-50T	C RESISTOR	15K 1/8W		C910	OW05-07223-82A	C CAPACITOR	0.022mF	
R733	OW07-15473-50T	C RESISTOR	47K 1/8W		C911	OW05-07223-82A	C CAPACITOR	0.022mF	
R734	OW07-15102-50T	C RESISTOR	1K 1/8W		C912	OW05-07223-82A	C CAPACITOR	0.022mF	
R735	OW07-15273-50T	C RESISTOR	27K 1/8W		△ C913	OW06-25108-00	E CAPACITOR	1000mF 25V	
R736	OW07-15222-50T	C RESISTOR	2.2K 1/8W		C914	OW06-16336-02	E CAPACITOR	33mF 16V	
R737	OW07-15563-50T	C RESISTOR	56K 1/8W		C915	OW05-00681-30	C CAPACITOR	680K	
R738	OW07-15102-50T	C RESISTOR	1K 1/8W		C916	OW06-16476-02	E CAPACITOR	47mF 16V	
R739	OW07-15100-50T	C RESISTOR	10 1/8W		C917	OW06-16476-02	E CAPACITOR	47mF 16V	
R740	OW07-15563-50T	C RESISTOR	56K 1/8W		C918	OW06-16477-00	E CAPACITOR	470mF 16V	
R741	OW07-15473-50T	C RESISTOR	47K 1/8W		C919	OW05-07104-82B	C CAPACITOR	0.1mF	
R742	OW07-15101-50T	C RESISTOR	100 1/8W		C920	OW05-07104-82B	C CAPACITOR	0.1mF	
R743	OW07-15333-50T	C RESISTOR	33K 1/8W		R901	OW07-15100-00	C RESISTOR	10 1/4W	
R744	OW07-15473-50T	C RESISTOR	47K 1/8W		R902	OW07-15271-50T	C RESISTOR	270 1/8W	
R745	OW07-15473-50T	C RESISTOR	47K 1/8W		R903	OW07-15391-36T	C RESISTOR	390 3W	
R746	OW07-15473-50T	C RESISTOR	47K 1/8W		R904	OW07-15473-50T	C RESISTOR	47K 1/8W	
R747	OW07-15473-50T	C RESISTOR	47K 1/8W		R907	OW07-15100-00	C RESISTOR	10 1/4W	
R748	OW07-15333-50T	C RESISTOR	33K 1/8W		R908	OW07-15152-50T	C RESISTOR	1.5K 1/8W	
R757	OW07-15103-50T	C RESISTOR	10K 1/8W		R909	OW07-15473-50T	C RESISTOR	47K 1/8W	
R758	OW07-15103-50T	C RESISTOR	10K 1/8W		R910	OW07-15472-50T	C RESISTOR	4.7K 1/8W	
R759	OW07-15103-50T	C RESISTOR	10K 1/8W		L901	OW09-00400-00	MODE CHOKE	12.5 x 7.5 x 5	
R760	OW07-15103-50T	C RESISTOR	10K 1/8W		△ T901	OW15-04200-01	X'FORMER	UMS4200 EI-28	
L701	OW09-01000-01	CHOKE COIL	W/Magn. R295		△ T902	OW15-04200-02	X'FORMER	UMS4200 EI-57	
L703	OW09-70101-02T	COIL	10uH-823465		△ F901	OW33-57312-03W	FUSE	T3.15L 250V	
L704	OW09-70101-02T	COIL	10uH-823465		△ F902	OW33-57202-03W	FUSE	T2L 250V	
CN704	OW20-80160-00I	SOCKET	16PIN FFC		XXXXX	OW20-42062-18	6 PIN H'G	CN901 to CN860	
CN705	OW20-11100-00	10PIN HEADER	P=2 B10B-PH JST		XXXXX	OW28-31510-00	FIBRE TUBE	For D905-D912	
P3	OW31-50040-50	WIRE	40mm Black		XXXXX	OW39-10001-00A	FUSE HOLDER	For F901 902	
X701	OW09-51693-02Z	CER RES.	2TT16.93MX		XXXXX	OW28-06085-01	PVC TUBE	For YEL	
XXXXX	OW20-42021-48	2PIN	CN701 to CN851		XXXXX	OW28-06100-01	PVC TUBE	For RED	
XXXXX	OW20-41032-21K	3PIN	CN702 to CN602		XXXXX	OW84-00005-00	CABLE TIE	6.5 UL	
XXXXX	OW20-41061-37	6PIN	CN703 to CD Motor		XXXXX	OW37-00002-00	EYELET	F2 X 4mm	
XXXXX	OW25-61135-00	FFC 16PIN	CN704 to CD Pick Up		XXXXX	OW08-04344-50	FERRITE CORE	T25 X 15 X 10	
XXXXX	OW08-04344-99	FERRITE CORE	CD to main PCB		XXXXX	OW28-04220-01	PVC TUBE	ID F4mm L=120mm	
XXXXX	OW31-60050-10	WIRE	For P4 to CD mecha		△ ZD901	OW02-50068-00	Z DIODE	6.8V 0.5W	
XXXXX	39-00013-00A	HEAT SINK	IC703						
XXXXX	OW16-10101-92L	CD DOOR SWITCH	DLS-02-1						
Z701	OW02-50051-00	Z DIODE	5.1V 0.5W						

## Display board

Block No. [0][4][0][0]

## Power board

Block No. [0][3][0][0]

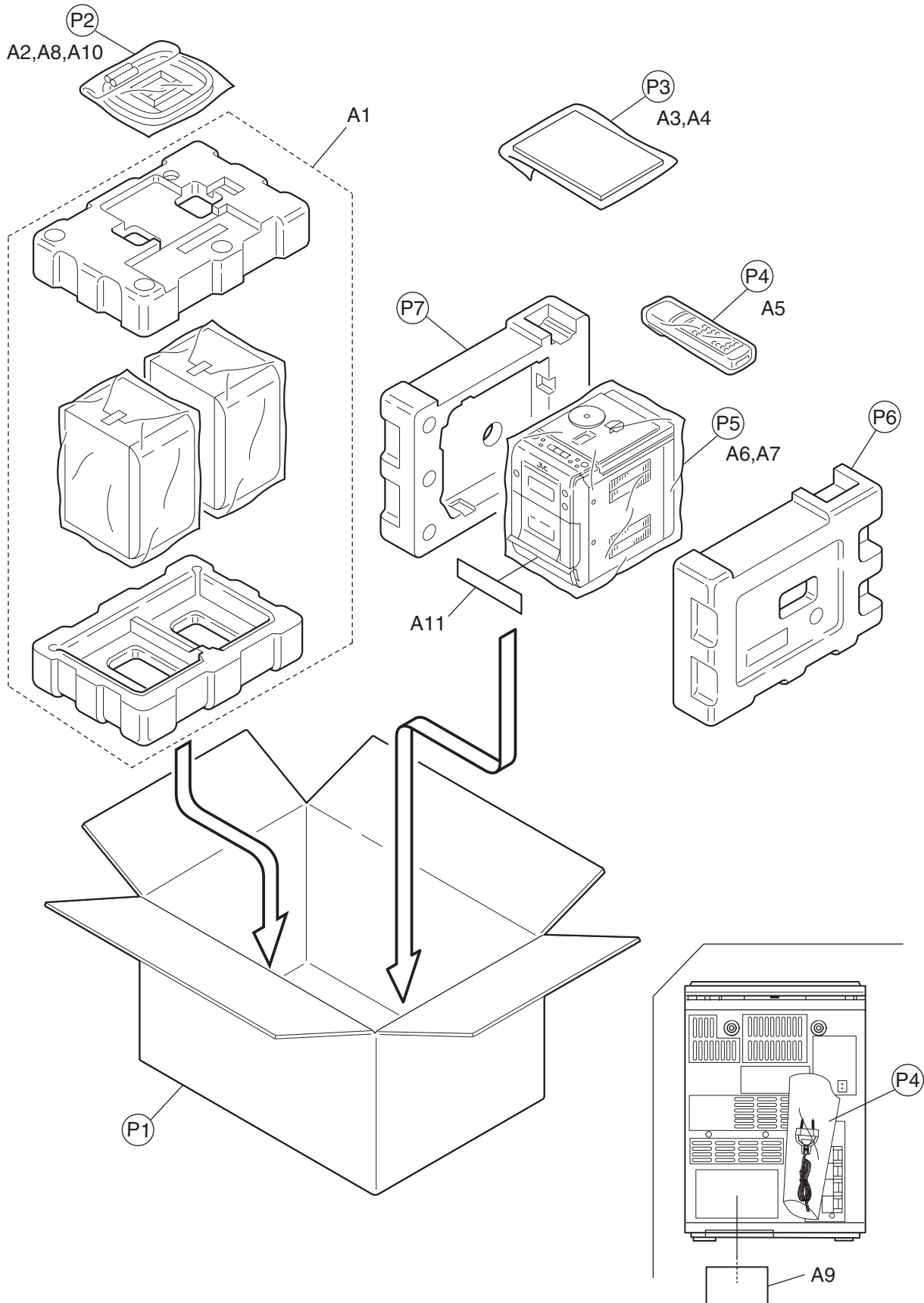
△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
Q901	8050-D	TRANSISTOR	OW01-08050-04B		Q101	9014	TRANSISTOR	OW01-09014-05	
Q902	2SC536N-F	TRANSISTOR	OW01-00536-08		Q102	9014	TRANSISTOR	OW01-09014-05	
Q904	8550D	TRANSISTOR	OW01-08550-04B		Q103	9018	TRANSISTOR	OW01-09018-10	
△ D901	IN4001	FR DIODE	OW02-04001-00		D101	1SS-133TP	FR DIODE	OW02-00133-00	
					D102	1SS-133TP	FR DIODE	OW02-00133-00	
					D103	1SS-133TP	FR DIODE	OW02-00133-00	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
D104	1SS-133TP	FR DIODE	OW02-00133-00		L102	OW08-04344-40	FERRITE COIL	4T	
D105	ELT-3142D	LED	OW02-30022-02E		L103	OW08-04344-40	FERRITE COIL	4T	
C101	OW06-06108-01	E CAPACITOR	1000mF 6.3V		J101	OW07-15222-50T	C RESISTOR	2.2K 1/8W	
C102	OW05-03103-06T	C CAPACITOR	0.01mF		J103	OW07-25001-50K	RMC SMD	1206 0 1/8W JP TP	
C103	OW06-10106-00	E CAPACITOR	10mF 10V		J112	OW07-25001-50K	RMC SMD	1206 0 1/8W JP TP	
C104	OW05-03104-06T	C CAPACITOR	0.1mF		J123	OW07-25001-60K	C RESISTOR	0 1/16W	
C105	OW05-03240-03T	CHIP CAPACITOR	24pF		J124	OW07-25001-60K	C RESISTOR	0 1/16W	
C106	OW05-03560-03T	C CAPACITOR	56pF		J125	OW07-25001-60K	C RESISTOR	0 1/16W	
C107	OW05-03240-03T	CHIP CAPACITOR	24pF		J126	OW07-25001-60K	C RESISTOR	0 1/16W	
C108	OW05-03240-03T	CHIP CAPACITOR	24pF		J127	OW07-25001-60K	C RESISTOR	0 1/16W	
C109	OW05-03104-06T	C CAPACITOR	0.1mF		J128	OW07-25561-60K	C RESISTOR	560 1/16W	
C110	OW06-10227-00	E CAPACITOR	220mF 10V		J129	OW07-25001-60K	C RESISTOR	0 1/16W	
C111	OW06-10476-00	E CAPACITOR	47mF 10V		J130	OW07-25001-60K	C RESISTOR	0 1/16W	
C112	OW05-03103-06T	C CAPACITOR	0.01mF		J131	OW07-25222-60K	C RESISTOR	2.2K 1/16W	
C113	OW05-03103-06T	C CAPACITOR	0.01mF		LCD10	OW91-80010-00	LCD		
C114	OW05-03102-06T	C CAPACITOR	1000pF		SW101	OW16-10101-08S	TACT SWITCH	EVQJAE05R H=5MM	
C115	OW05-03104-06T	C CAPACITOR	0.1mF		SW102	OW16-10101-08S	TACT SWITCH	EVQJAE05R H=5MM	
C116	OW05-03223-06T	C CAPACITOR	0.022mF		SW103	OW16-10101-08S	TACT SWITCH	EVQJAE05R H=5MM	
C117	OW05-03223-06T	C CAPACITOR	0.022mF		SW104	OW16-10101-08S	TACT SWITCH	EVQJAE05R H=5MM	
C118	OW05-03240-03T	CHIP CAPACITOR	24pF		SW105	OW16-10101-08S	TACT SWITCH	EVQJAE05R H=5MM	
C119	OW05-03104-06T	C CAPACITOR	0.1mF		SW106	OW16-10101-08S	TACT SWITCH	EVQJAE05R H=5MM	
C120	OW06-06108-01	E CAPACITOR	1000mF 6.3V		SW107	OW16-10101-08S	TACT SWITCH	EVQJAE05R H=5MM	
R101	OW07-25102-60K	C RESISTOR	1K 1/16W		SW108	OW16-10101-08S	TACT SWITCH	EVQJAE05R H=5MM	
R102	OW07-25153-60K	C RESISTOR	15K 1/16W		SW109	OW16-10101-08S	TACT SWITCH	EVQJAE05R H=5MM	
R103	OW07-25103-60K	C RESISTOR	10K 1/16W		SW110	OW16-10101-08S	TACT SWITCH	EVQJAE05R H=5MM	
R105	OW07-25103-60K	C RESISTOR	10K 1/16W		SW111	OW16-10101-08S	TACT SWITCH	EVQJAE05R H=5MM	
R106	OW07-25102-60K	C RESISTOR	1K 1/16W		SW112	OW16-10101-08S	TACT SWITCH	EVQJAE05R H=5MM	
R107	OW07-25222-60K	C RESISTOR	2.2K 1/16W		U101	87EP26F-1J15	IC	OW03-87261-10E	
R108	OW07-25472-60K	C RESISTOR	4.7K 1/16W		U102	FM-6038TM2-5A	SENSOR	OW02-66038-25	
R109	OW07-25472-60K	C RESISTOR	4.7K 1/16W		X101	OW09-50720-00J	CER. RES.	ZTA7.2MT	
R110	OW07-25472-60K	C RESISTOR	4.7K 1/16W		X102	OW04-32768-03S	CRYSTAL	32.768 kHz	
R111	OW07-25103-60K	C RESISTOR	10K 1/16W		XXXXX	OW20-41071-22	7PIN	CN102 to CN850	
R112	OW07-25103-60K	C RESISTOR	10K 1/16W		XXXXX	OW20-41061-38	6PIN	CN103	
R113	OW07-25100-60K	C RESISTOR	10 1/16W		XXXXX	OW20-41102-34	10PIN	CN104 to CN705	
R114	OW07-25472-60K	C RESISTOR	4.7K 1/16W		XXXXX	OW20-41041-33K	4PIN	CN105 to CN601	
R115	OW07-25103-60K	C RESISTOR	10K 1/16W		XXXXX	OW25-84070-03	3PIN	CN106 to CN705	
R116	OW07-25103-60K	C RESISTOR	10K 1/16W		XXXXX	OW20-41021-46	2PIN	CN107 to CD Door SW	
R117	OW07-25332-60K	C RESISTOR	3.3K 1/16W		<b>Remote board</b>				
R119	OW07-25220-60K	C RESISTOR	22 1/16W		<b>Block No. [0][5][0][0]</b>				
R120	OW07-25103-60K	C RESISTOR	10K 1/16W		△ Symbol No.	Part No.	Part Name	Description	Local
R121	OW07-25001-60K	C RESISTOR	0 1/16W		IC501	SC6122-001	IC	OW03-06122-01	
R122	OW07-25103-60K	C RESISTOR	10K 1/16W		Q501	2SC945P	TRANSISTOR	OW01-00945-16	
R123	OW07-25103-60K	C RESISTOR	10K 1/16W		D501	1N4148	GE DIODE	00W2-04148-00C	
R124	OW07-25103-60K	C RESISTOR	10K 1/16W		D502	SIR563ST3F	LED	OW02-00563-30	
R125	OW07-25103-60K	C RESISTOR	10K 1/16W		C501	OW05-00221-00	C CAPACITOR	220 pF	
R126	OW07-25272-60K	C RESISTOR	2.7K 1/16W		C502	OW05-00221-00	C CAPACITOR	220 pF	
R127	OW07-25102-60K	C RESISTOR	1K 1/16W		C503	OW06-10476-00	E CAPACITOR	47mF 10V	
R128	OW07-25152-60K	C RESISTOR	1.5K 1/16W		C504	OW05-00471-00	C CAPACITOR	470 pF	
R129	OW07-25103-60K	C RESISTOR	10K 1/16W		R501	OW07-05010-30	C RESISTOR	1 1/16W	
R130	OW07-25471-60K	C RESISTOR	470 1/16W		R502	OW07-05104-30	C RESISTOR	100K 1/16W	
R131	OW07-25681-60K	C RESISTOR	680 1/16W		R503	OW07-05104-30	C RESISTOR	100K 1/16W	
R132	OW07-15821-50T	C RESISTOR	820 1/8W		R504	OW07-05104-30	C RESISTOR	100K 1/16W	
R133	OW07-15102-50T	C RESISTOR	1K 1/8W		X501	OW09-50455-00J	CER RESONATOR	ZTB455E	
R134	OW07-25220-60K	C RESISTOR	22 1/16W						
R135	OW07-15220-50T	C RESISTOR	22 1/8W						
R136	OW07-15471-50T	C RESISTOR	470 1/8W						
R137	OW07-15681-50T	C RESISTOR	680 1/8W						
R138	OW07-15821-50T	C RESISTOR	820 1/8W						
R139	OW07-15102-50T	C RESISTOR	1K 1/8W						
R140	OW07-15122-50T	C RESISTOR	1.2K 1/8W						
R141	OW07-15152-50T	C RESISTOR	1.5K 1/8W						
R149	OW07-25152-60K	C RESISTOR	1.5K 1/16W						
R150	OW07-25152-60K	C RESISTOR	1.5K 1/16W						
R151	OW07-25152-60K	C RESISTOR	1.5K 1/16W						
R167	OW07-25103-60K	C RESISTOR	10K 1/16W						
R168	OW07-25103-60K	C RESISTOR	10K 1/16W						
R170	OW07-25103-60K	C RESISTOR	10K 1/16W						
R171	OW07-25103-60K	C RESISTOR	10K 1/16W						
R172	OW07-25103-60K	C RESISTOR	10K 1/16W						
R173	OW07-25103-60K	C RESISTOR	10K 1/16W						
R174	OW07-25103-60K	C RESISTOR	10K 1/16W						
R175	OW07-25103-60K	C RESISTOR	10K 1/16W						
R176	OW07-25103-60K	C RESISTOR	10K 1/16W						
R178	OW07-25103-60K	C RESISTOR	10K 1/16W						
R179	OW07-25001-60K	C RESISTOR	0 1/16W						
L101	OW09-70102-00C	COIL	100uH						

<MEMO>

# Packing materials and accessories parts list

Block No. **M** **3** **M** **M**





## Packing and accessories

Block No. [M][3][M][M]

△ Symbol No.	Part No.	Part Name	Description	Local
A 1	OW00-00009-00	SPK BOX ASSY	5W 4ohm(x2)	
A 2	OW23-04910-02	AM LOOP ANT		
A 3	OW88-00009-01	INST BOOK	GER FRE DUT	E
A 3	OW88-00009-03	INST BOOK	SWE FIN DAN GER FRE SPA ITA	EN
A 4	OW88-00009-06	WARRANTY CARD		
A 5	OWV-RE-JVC	REMOTE CONTROL		
A 6	OW81-01000-01	TRBLE CUSHION		
A 7	OW89-09023-36	PROTECT	CD BOARD	
A 8	-----	BATTERY	(x2)	
A 9	OW87-00009-01	RATING LABEL		
A 10	OW29-21400-01G	FM ANT.WIRE		
A 11	OW81-03222-00	SHEET PROTECT	145 X 40mm	
P 1	OW89-00010-04	CARTON		
P 2	OW85-90710-04	POLY BAG		
P 3	OW85-91014-02	POLY BAG		
P 4	OW85-00025-01A	POLY BAG	(x2)	
P 5	OW85-91619-02	POLY BAG		
P 6	OW86-00010-01	POLY FOAM	Right	
P 7	OW86-00010-00	POLY FOAM	Left	