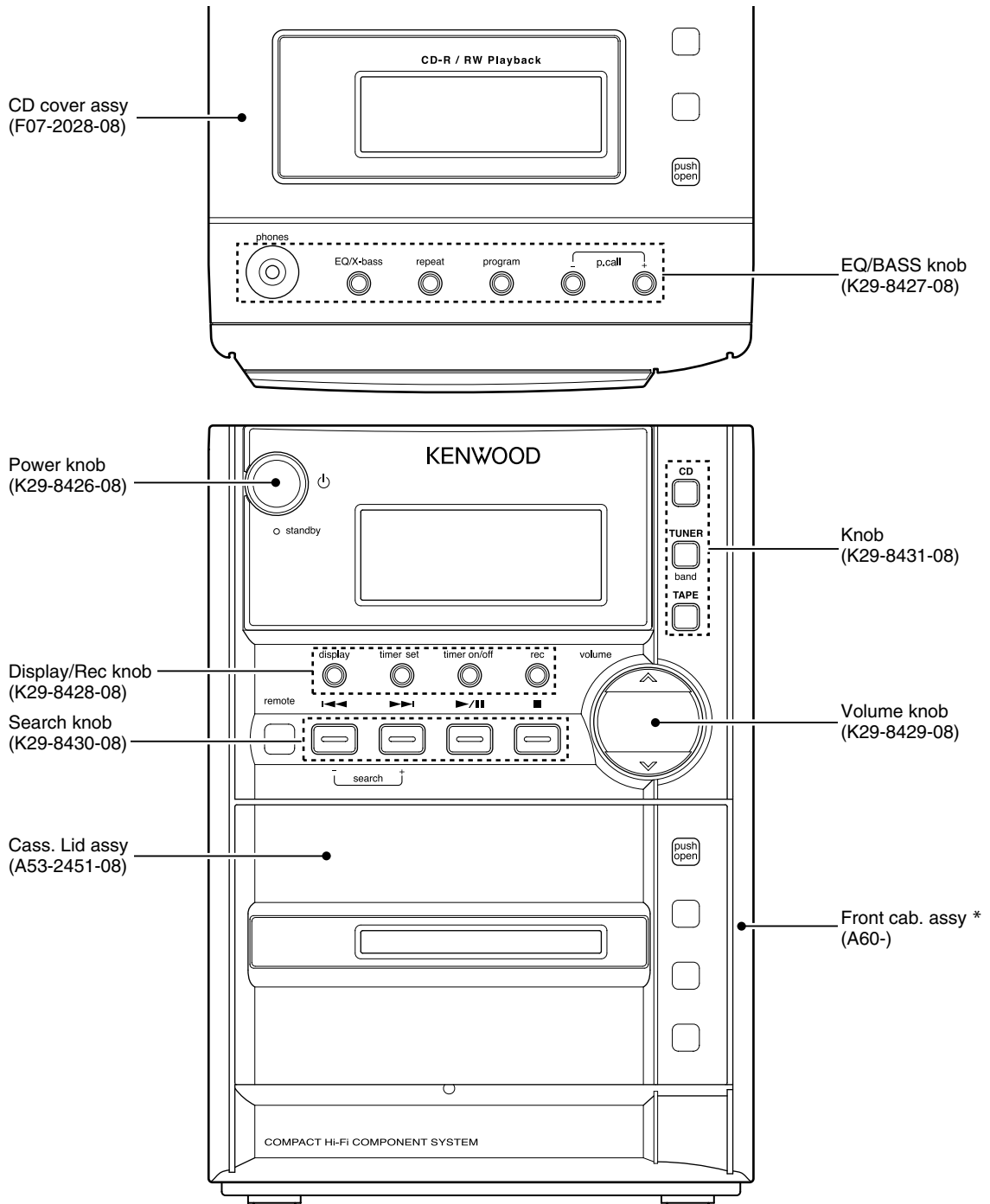


## SERVICE MANUAL

(HM-337)

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B51-5918-00 (K/K) 339



In compliance with Federal Regulations, following are reproduction of labels on, or inside the product relating to laser product safety.

**Caution** : No connection of ground line if disassemble the unit. Please connect the ground line on rear panel, PCBs, Chassis and some others.

**\* Refer to parts list on page 18.**

KENWOOD Corp. certifies this equipment conforms to DHHS Regulations No.21 CFR 1040. 10, Chapter 1, subchapter J.

**DANGER : Laser radiation when open and interlock defeated. AVOID DIRECT EXPOSURE TO BEAM.**



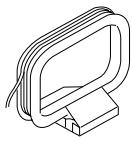
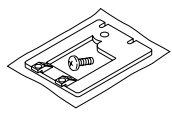
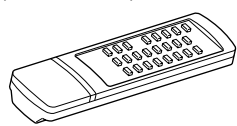
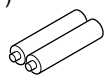

# RXD-M37

## CONTENTS / ACCESSORIES / CAUTIONS

### CONTENTS

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EXTERNAL VIEW .....	3	EXPLODED VIEW .....	17
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PC BOARD .....	8	SPECIFICATIONS.....	BACK COVER

### ACCESSORIES

<p>AM loop antenna (1) (T90-0908-08)</p> 	<p>ANT TERM. CVR (F07-2029-08)</p> 	<p>Remote control unit (1) (A70-1690-08): E (A70-1691-08): MX</p> 	<p>Batteries (R6/AA) (2) (-)</p> 	<p>AC plug adapter (1) (E03-0115-05)</p>  <p>Use to adapt the plug on the power cord to the shape of the wall outlet. (Accessory only for regions where use is necessary.)</p>
--	--	---	---	---

### CAUTIONS

#### **Channel space switching (except for the Europe and Australia)**

The space between radio channels has been set to the one that prevails in the area to which the system is shipped. However, if the current channel space setting does not match the setting in the area where the system is to be used, for instance when you move from area 1 or area 2 shown in the following table or vice versa, proper reception of AM/FM broadcasts cannot be expected. In this case, change the channel space setting for each AM and FM broadcast in accordance with your area by referring to the following table.

	Area	CHANNEL Space frequency
1	U.S.A., Canada and South American countries	FM: 100 kHz AM: 10 kHz
2	Other countries	FM: 50 kHz AM: 9 kHz

When the system is on, press **TUNER/band** button to select TUNER mode and waveband of which you wish to set the channel space. Then, while pressing **▶/||** button, press **◀◀** button to switch the channel space.

#### The marking of products using lasers

**CLASS 1 LASER PRODUCT  
LASER KLASSE 1  
APPAREIL A LASER DE CLASSE 1  
LUOKAN 1 LASERLAITE  
KLASS 1 LASERAPPARAT**

The marking this product has been classified as Class 1. It means that there is no danger of hazardous radiation outside the product.

Location: Bottom

#### **CAUTION**

**Be sure to adhere to the following, or proper ventilation will be blocked causing damage or fire hazard.**

- Do not place any objects impairing heat radiation onto the top of the unit.
- Leave some space around the unit (from the largest outside dimension including projection) equal to or greater than, shown below.

**Top panel : 50 cm  
Back panel : 10 cm**

#### **CAUTION**

- Place the unit where the AC power cord can be easily unplugged.
- The power in this unit will not be completely cut off from the AC wall outlet when the power completely, unplug the AC power cord from the AC wall outlet.

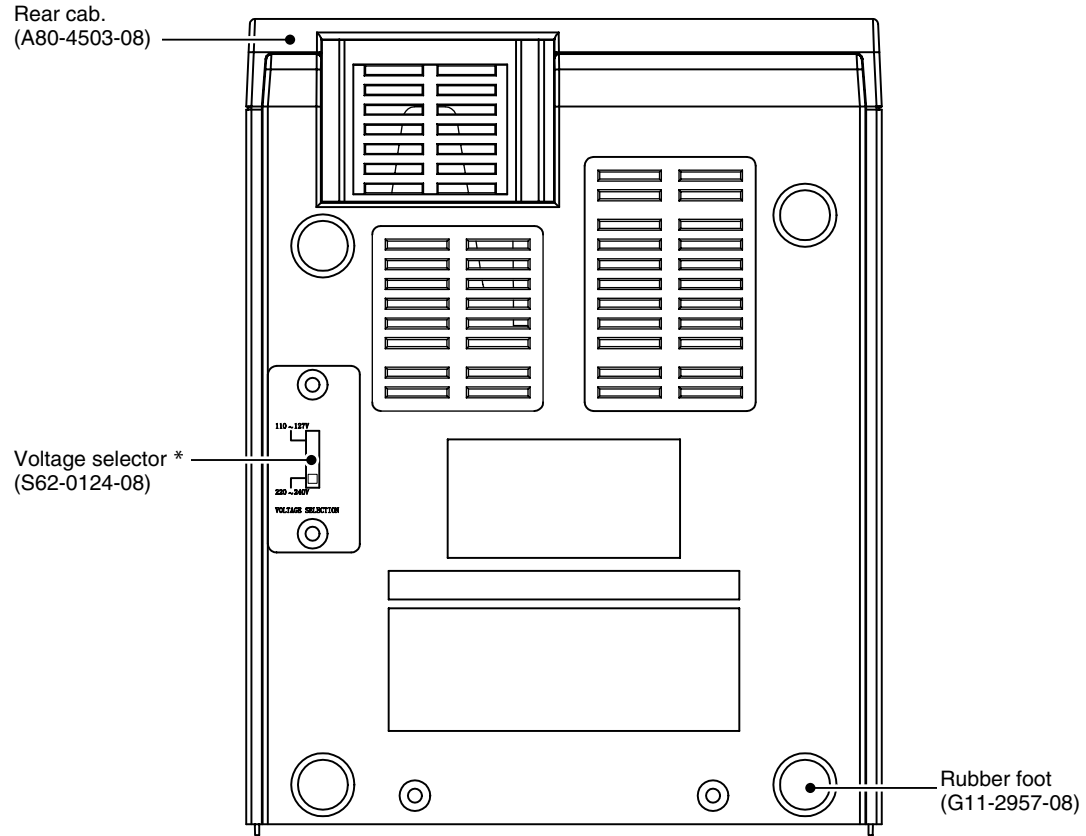
#### **Resetting the Microcomputer**

The microcomputer may malfunction (unit cannot be operated, or shows an erroneous display) if the power cord is unplugged while the power is ON, or due to some other external factor. If this happens, execute the following procedure to reset the microcomputer and return the unit to its normal operating condition.

**Plug in the AC power cord to the wall outlet, and within 5 seconds, press and hold down the **■** button and press CD button.**

- Please note that resetting the microcomputer will clear the contents of the memory and return the unit to the state it was in when it left the factory.

## EXTERNAL VIEW



<Bottom view>

\* Refer to parts list on page 18.

### System configuration

SYSTEM	RECEIVER	SPEAKERS
HM-337-L	RXD-M37-L	LS-M37-L
HM-337-S	RXD-M37-S	LS-M37-S

## ADJUSTMENT

### SERVICE ADJUSTMENT

#### Lubrication

The mechanical parts are factory coated with a thin coat of light grease and should not require further lubrication. If a light grease is applied, be careful not to get any grease on the play/record head or erase head, hubs, pulleys, tapes reels, drive belts, or switches. Use a good lubricant such as Silicon Lube G322L or Lubricate.

#### Service Check

Before aligning the mechanism, wipe off any accumulated dirt with denatured alcohol. Wipe around parts where the tape contacts and around all rotating parts. Drive belts are specially processed. Do not clean them with alcohol.

#### Mechanical Torque

Use a cassette type torque gauge and check the tape mechanism.

Take-up torque	35 to 70 g-cm
Rewind torque	50 g-cm min.
Fast forward torque	50 g-cm min.

#### Pinch Wheel Pressure

No adjustment to the pinch roller spring is necessary. It should be sufficient to give at least 40 g-cm pull force.

#### Tape Head Servicing

Each time the unit is serviced, the face of all heads should be thoroughly cleaned with denatured alcohol or commercial head cleaning solution. The playback head should be demagnetized with a commercial demagnetizer. Accumulation of tape oxide during normal operations can cause problems, including loss of high frequencies and wow and flutter.

#### Erase Head

The erase head is properly aligned when the tape rides directly between the tape guide on the head without crinkling the tape.

#### Play/Record and Playback Head Azimuth Adjustment

To adjust the play/record and playback head azimuth screw:

1. Connect two (2) VTVMs and a dual trace scope to the stereo headphone jack (as shown) with a 32 ohm dummy load. (See Figure 1.)

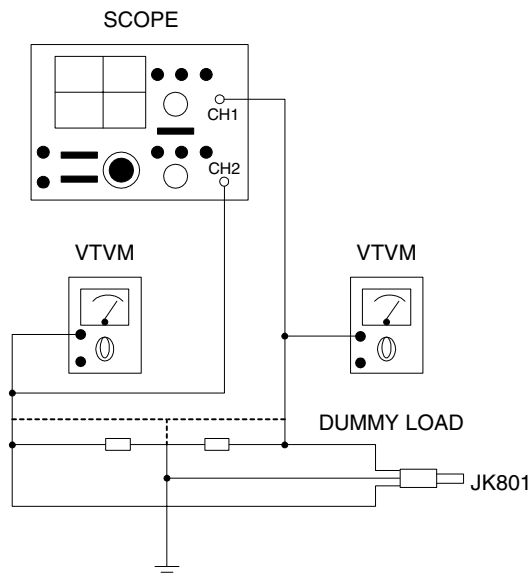
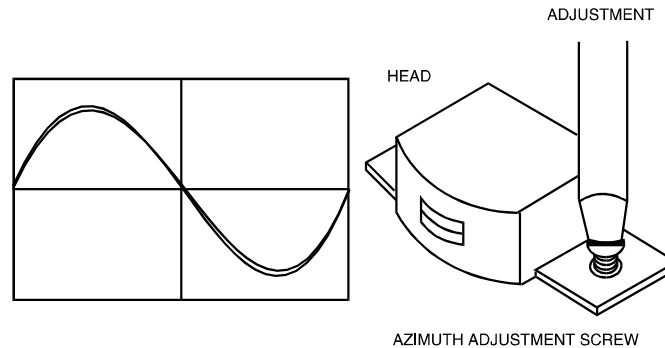


Figure 1. Azimuth Adjustment

## ADJUSTMENT

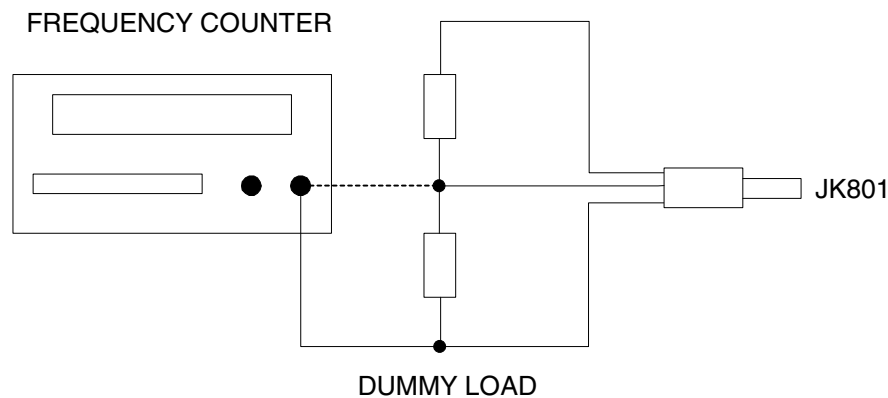
2. Insert a 10 kHz test tape (Teac MTT-1141V or Equivalent) into the tape mechanism and play it back.
3. While playing back the test tape, slowly turn the azimuth adjusting screw until the amplitude of both channel output waveforms is maximum and in phase. (See Figure 2.)
4. Secure the azimuth screw in place with glue or paint after making the adjustment.



**Figure 2. Head Output Signal**

### Tape Speed Adjustment

1. Set the function switch to TAPE.
2. Connect a frequency counter with a 32 ohm dummy load to the stereo headphone jack. (See Figure 3.)



**Figure 3. Tape Speed Adjustment**

3. Insert and play back a 3 kHz test tape (Teac MTT-111 or Equivalent) into the tape mechanism.
4. Insert an insulated alignment tool and adjust the tape speed potentiometer (MOTOR) until the frequency counter indicates 2940 Hz to 3090 Hz.

### Bias Oscillator Frequency and Level Adjustment

1. Set the function switch to TAPE and the record and play tape mechanism to RECORD.
2. Connect a VTVM and frequency counter to test point R/P HEAD.
3. Adjust bias oscillator coil T360 until the frequency counter indicates 81 kHz  $\pm$ 0.5 kHz.
4. Confirm the record head voltage equal to: 6-12V.
5. Confirm the erase head voltage equal to: 15-24V.

# RXD-M37

## ADJUSTMENT

### TUNER ALIGNMENT PROCEDURE

#### Equipment needed:

1. AM Signal generator
2. FM Signal generator
3. DC Voltage meter
4. Oscilloscope
5. Output meter (VTVM)

#### AM Alignment

Step	S/G Frequency	Dial Setting	Indicator	Adjust	Remarks
1	450 kHz (1 kHz 30% mod.)	612 kHz	Connect oscilloscope or VTVM to speaker jack	T201	Adjust until maximum output
2	531 kHz (1 kHz 30% mod.)	Low end	Connect DC voltage meter to test point Vt and ground	T202	Adjust until Vt equal to $1.5 \pm 0.05V$
3	1602 kHz (1 kHz 30% mod.)	High end	Same as step 2		Confirm Vt: 6.5~8.5V
4	612 kHz (1 kHz 30% mod.)	612 kHz	Same as step 1	T203	Maximum output
5	1404 kHz (1 kHz 30% mod.)	1404 kHz	Same as step 1	VC201	Maximum output
6	Repeat steps 4 and 5 to minimize tracking error				
7	999 kHz (1 kHz 30%mod.)	999 kHz	Same as step 1		Offset is less than 6 dB.

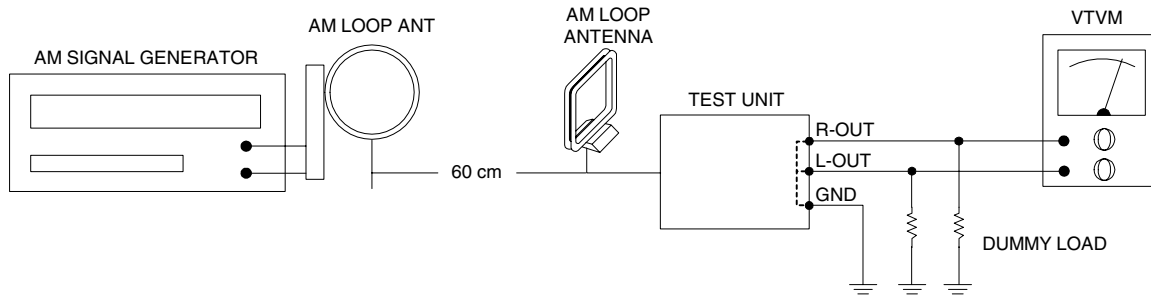


Figure 4. AM IF/RF Tracking

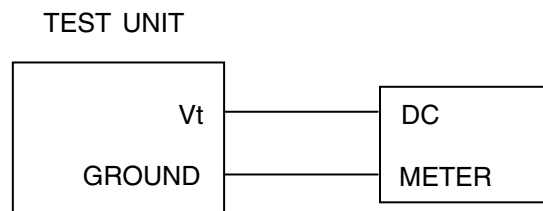


Figure 5. AM Band Frequency Coverage Alignment

## ADJUSTMENT

### FM Alignment:

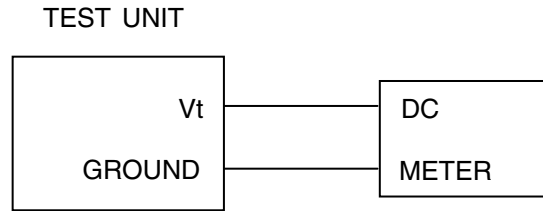


Figure 6. FM Band Frequency Coverage Alignment

Connect FM S/G to ANT inputs (mod 1 kHz 22.5kHz dev.)

Step	S/G Frequency	Dial Setting	Indicator	Adjust	Remarks
1	87.5 MHz	Low end	Connect DC voltage meter to test point Vt and ground	L203	Adjust until Vt equal to: $1.5 \pm 0.05V$
2	108 MHz	High end	Same as step 1		Confirm Vt: 7-9V
3	90.1 MHz	90.1 MHz	Connect oscilloscope or VT/VM to speaker jack	L204	Adjust until Maximum output
4	106.1 MHz	106.1 MHz	Same as step 3	VC202	Adjust until maximum output
5	Repeat steps 3 and 4 to minimize tracking error.				

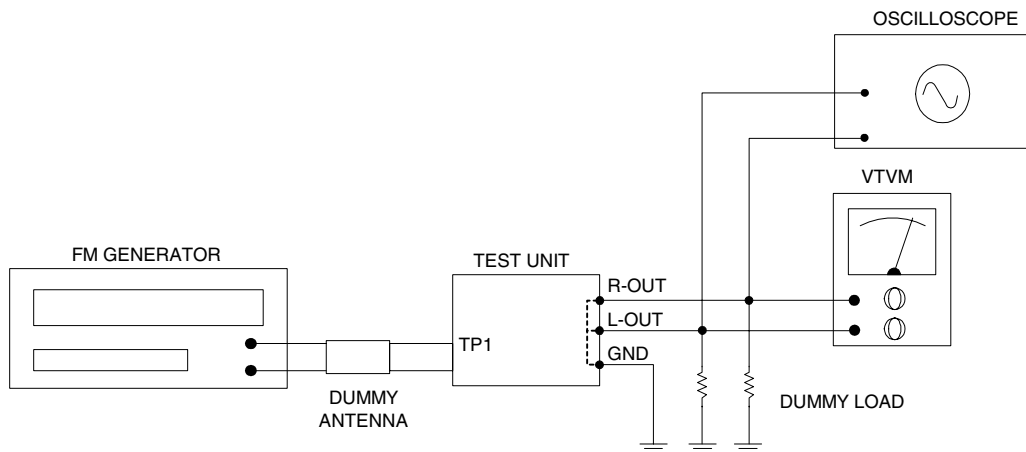
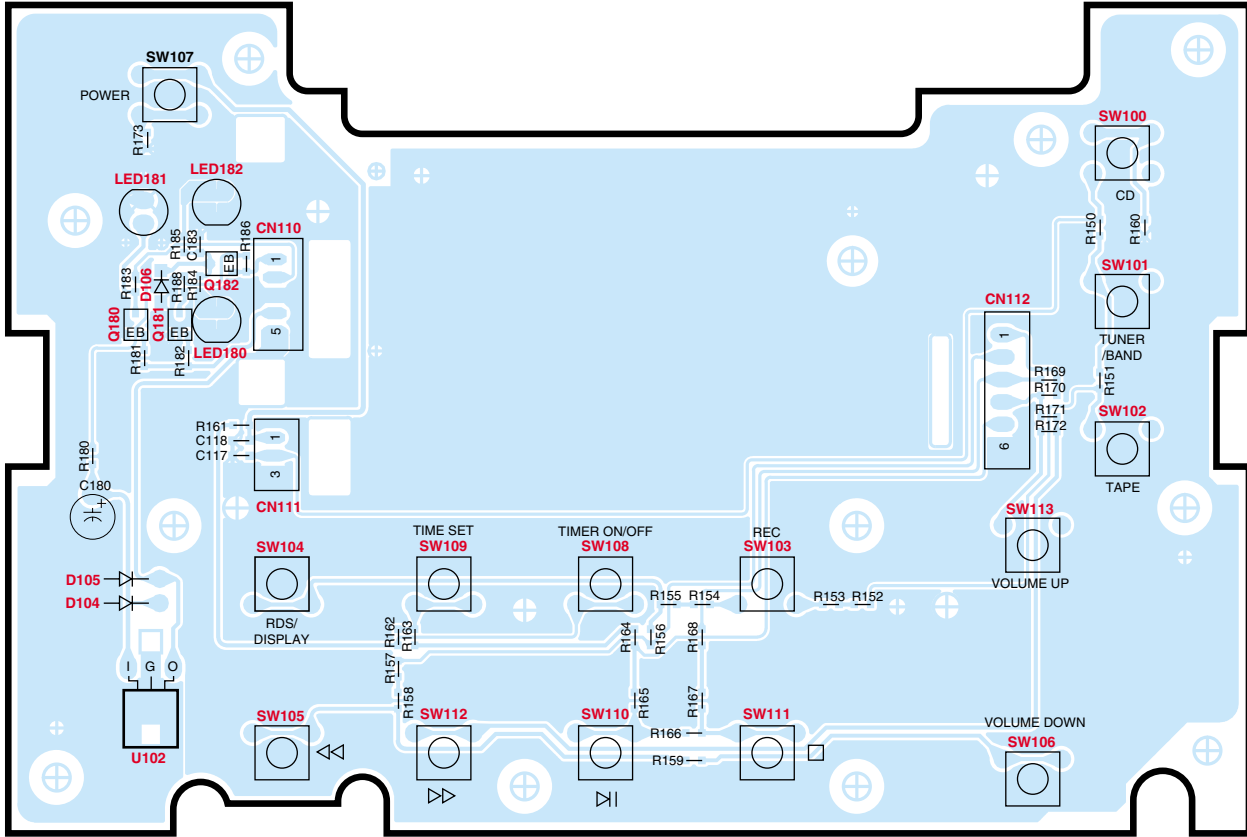


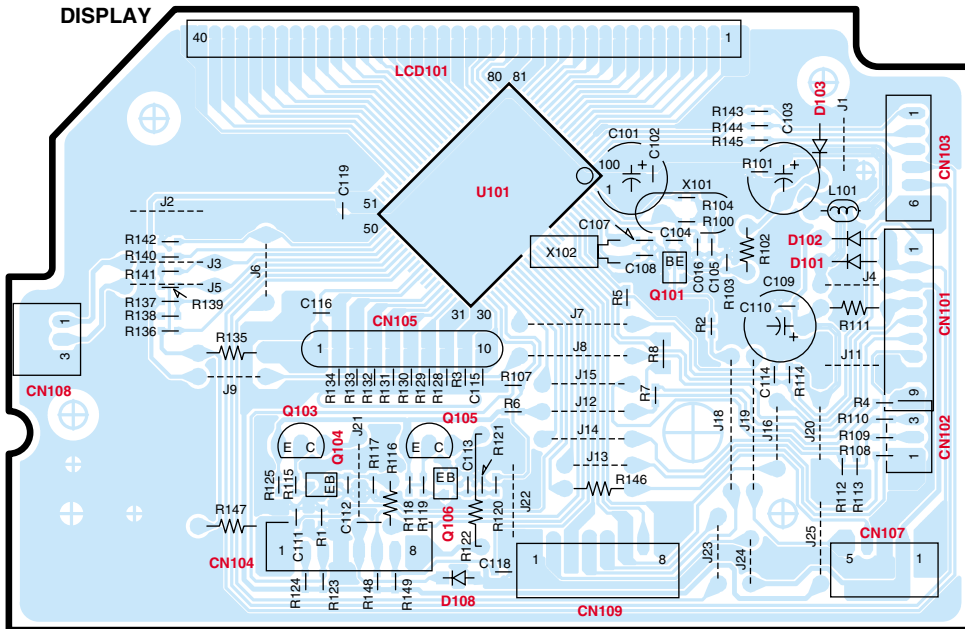
Figure 7. FM Band/Tracking

# PC BOARD (Component side view)

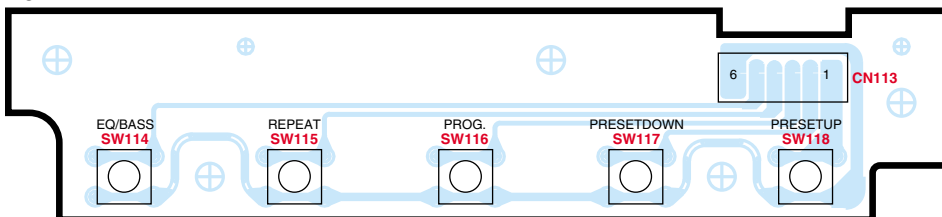
## FRONT KEY



## DISPLAY

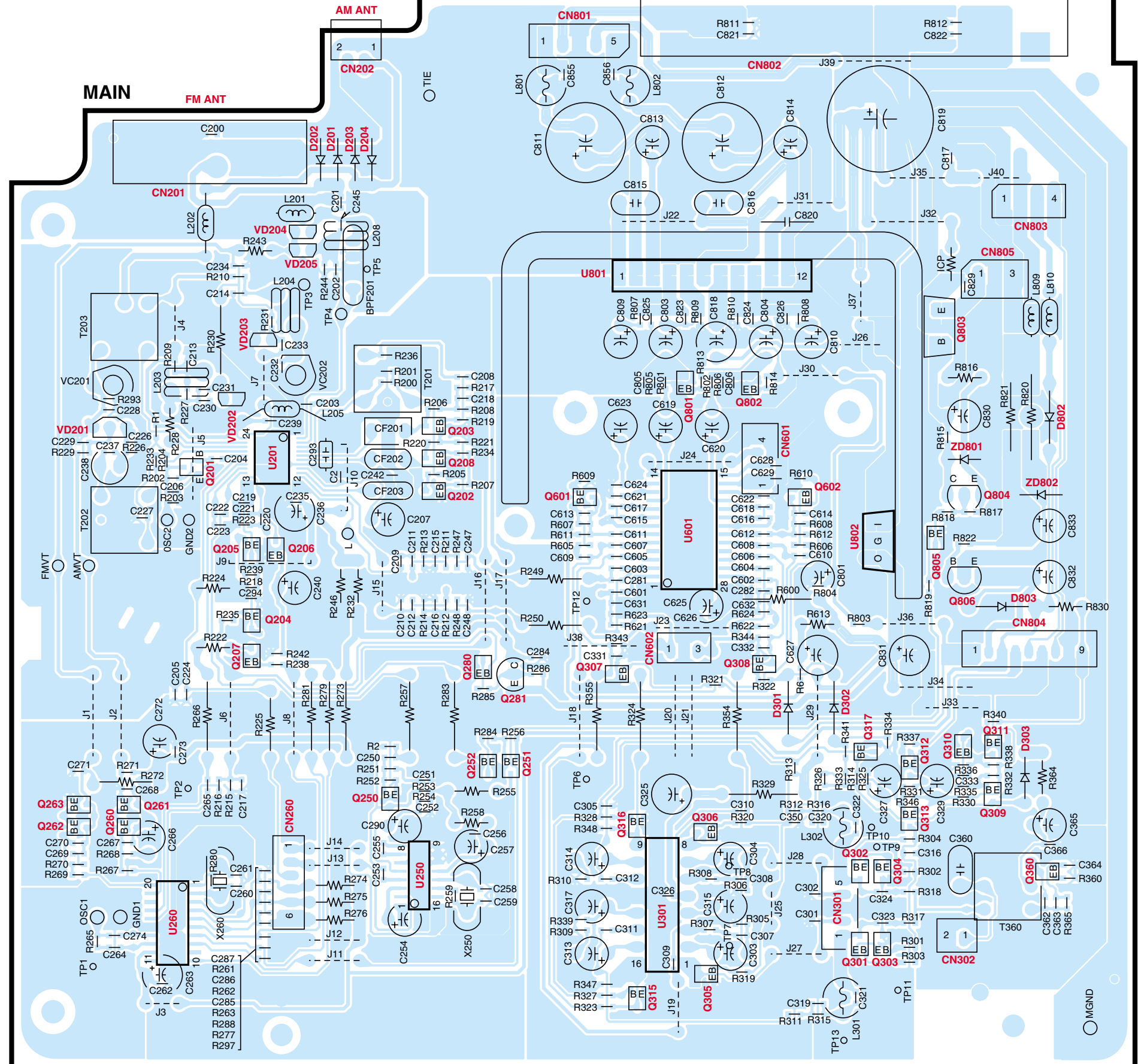
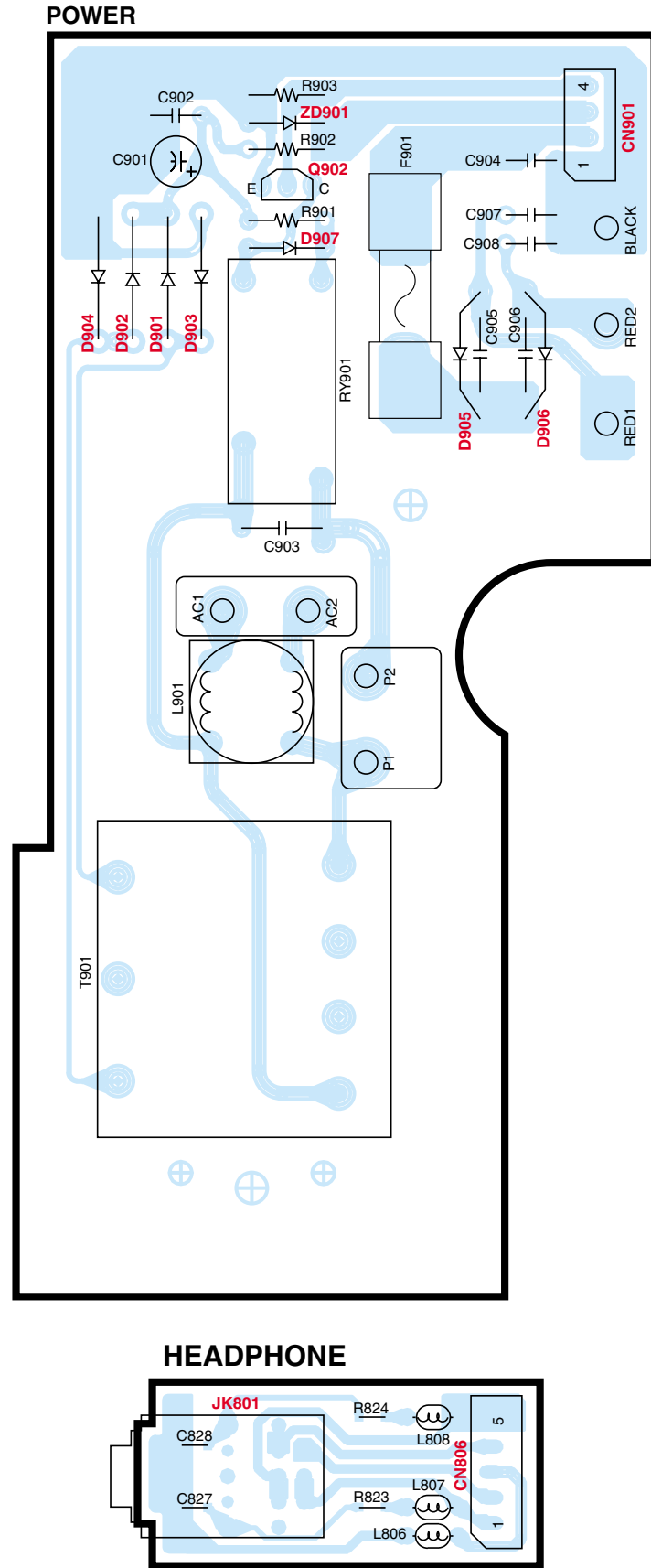


## TOP KEY



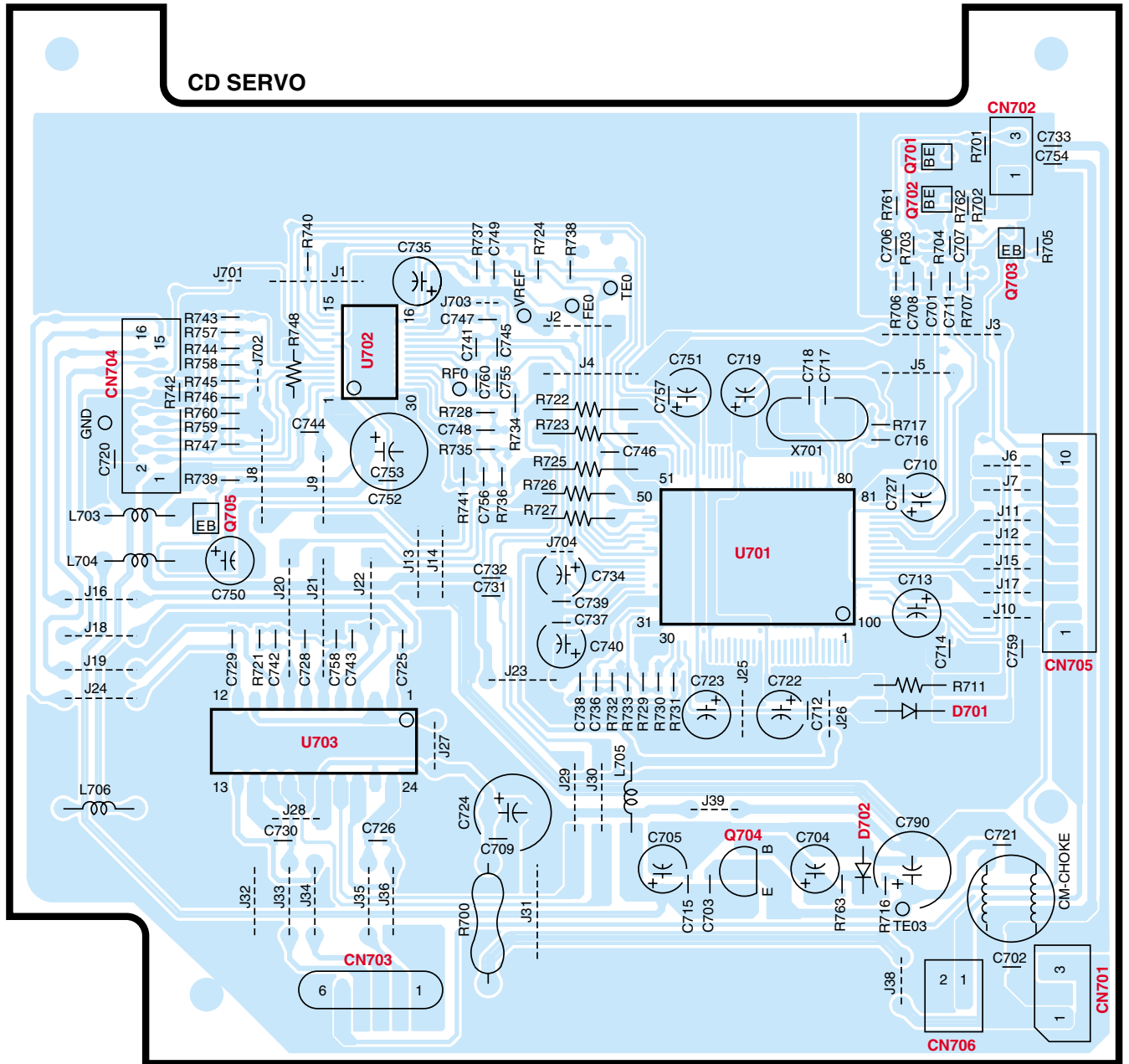


# PC BOARD (Component side view)



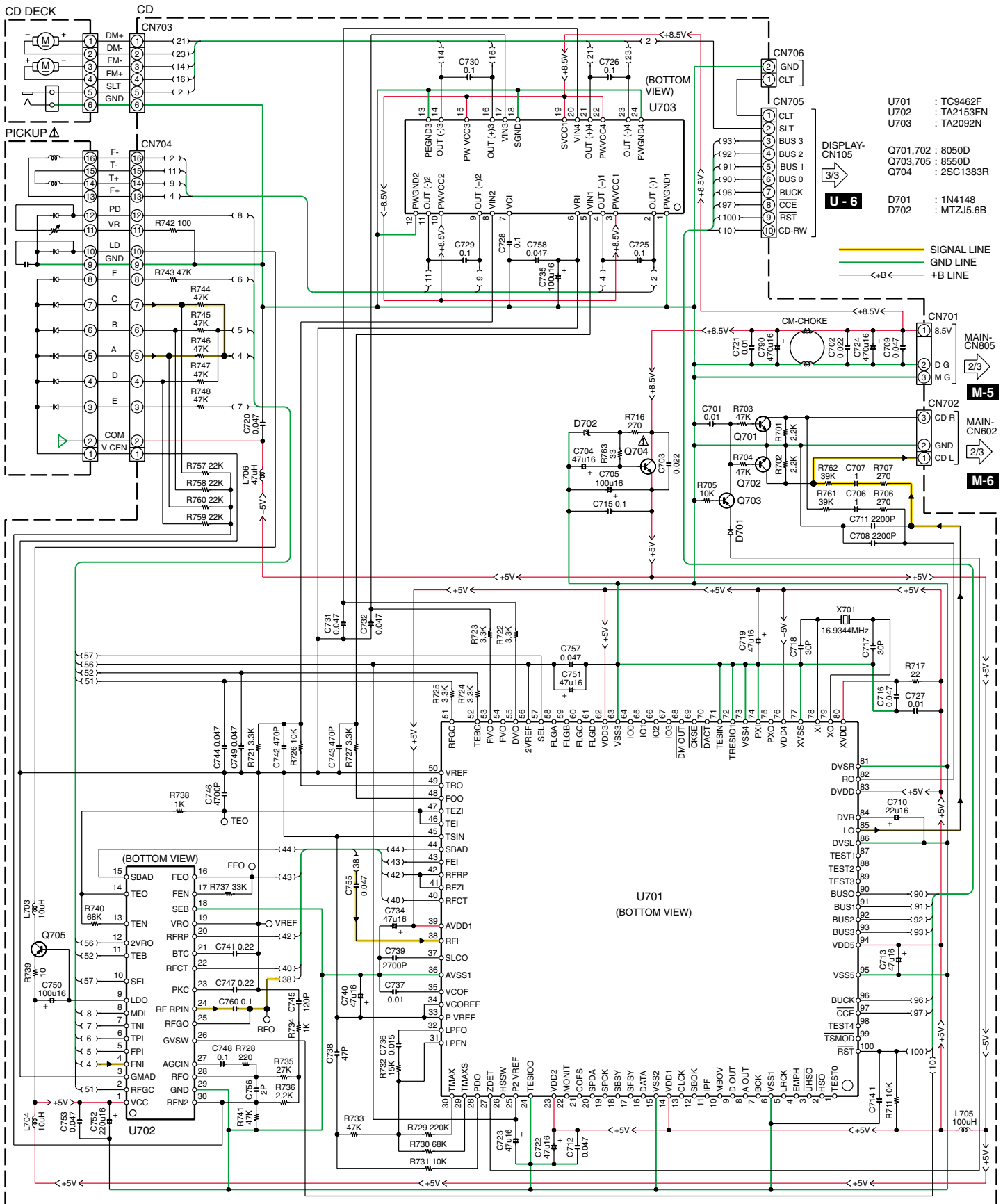
# PC BOARD (Component side view)

1  
2  
3  
4  
5  
6  
7



Refer to the schematic diagram for the value of resistors and capacitors.

# RXD-M37

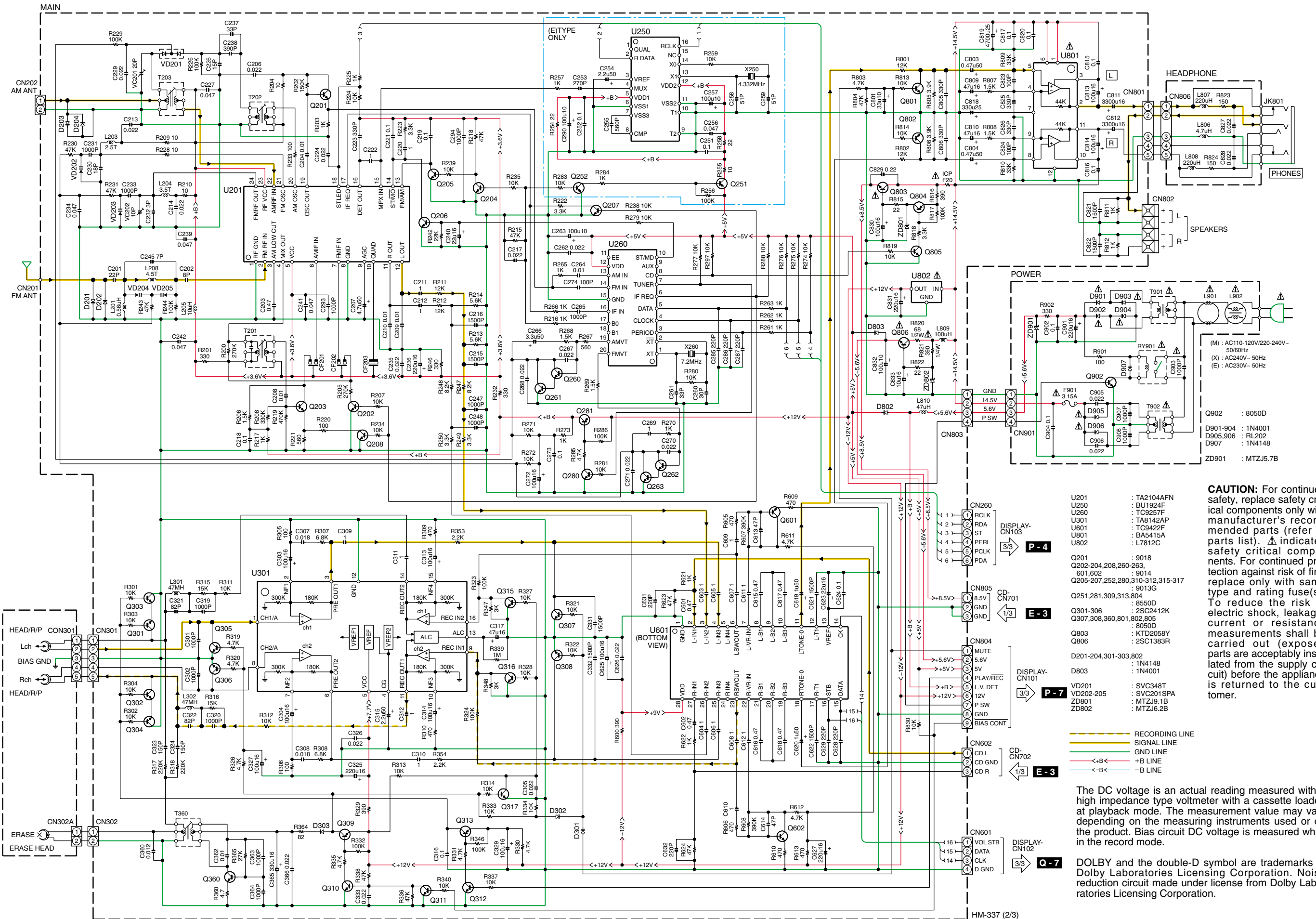


HM-337 (1/3)

**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

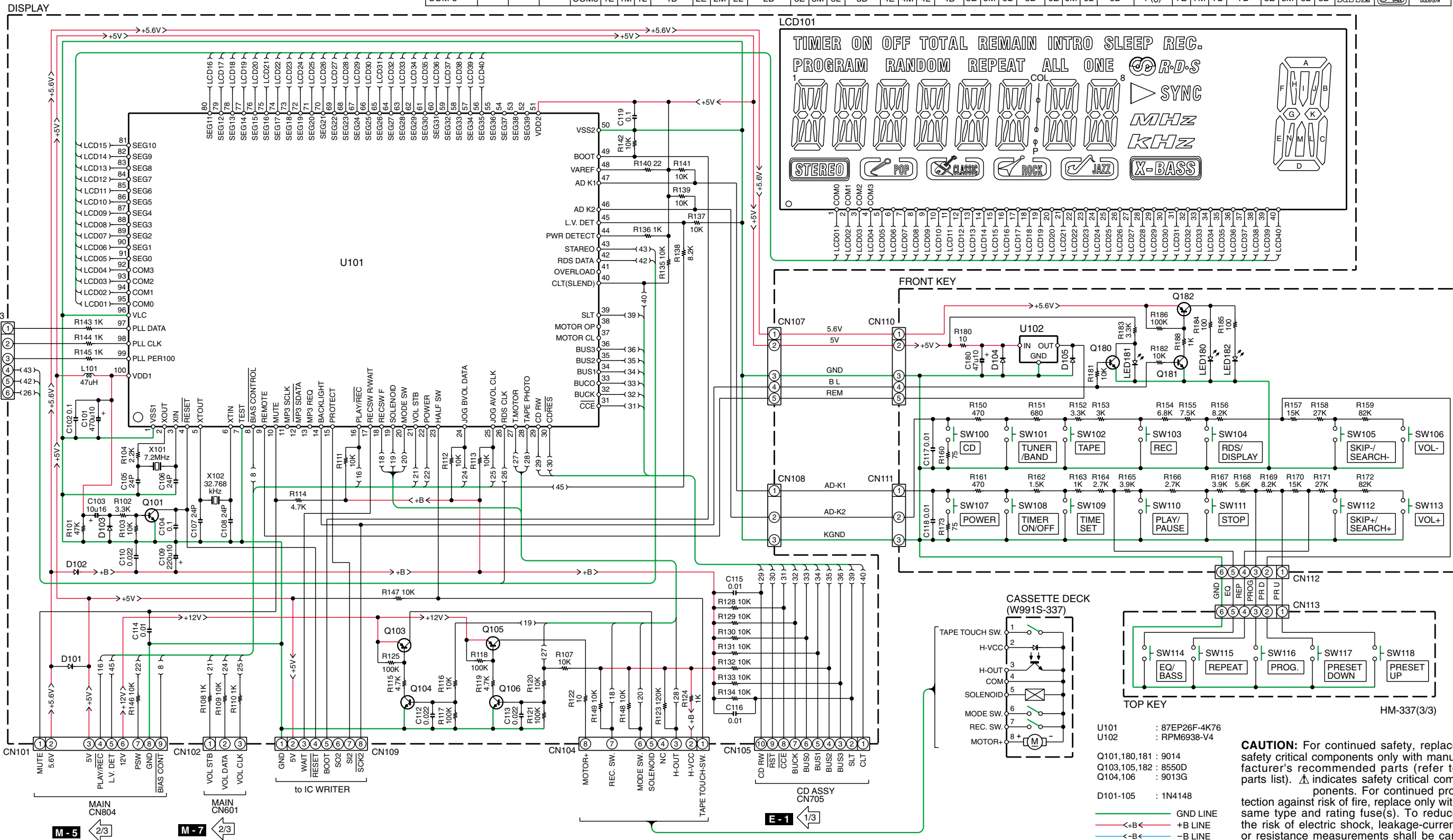
DOLBY and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Noise reduction circuit made under license from Dolby Laboratories Licensing Corporation.

The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded at playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.



# RXD-M37

COM/PIN #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
COM-0	COM0				1F	1A	1B	TOTAL	2F	2A	2B	PROGRAM	3F	3A	3B	REMAIN	4F	4A	4B	SLEEP	5F	5A	5B	INTRO	6F	6A	6B		RANDOM	7F	7A	7B	REPEAT	8F	8A	8B	ALL	SYNC	Ⓢ	Ⓢ	
COM-1		COM1			1H	1I	1J	Ⓢ	2H	2I	2J	TIMER	3H	3I	3J	ON	4H	4I	4J	OFF	5H	5I	5J	COL	6H	6I	6J	STEREO		7H	7I	7J	ONE	8H	8I	8J					
COM-2			COM2		1G	1N	1K	1C	2G	2N	2K	2C	3G	3N	3K	3C	4G	4N	4K	4C	5G	5N	5K	5C	6G	6N	6K	6C		7G	7N	7K	7C	8G	8N	8K	8C	DOLBY	Ⓢ		
COM-3				COM3	1E	1M	1L	1D	2E	2M	2L	2D	3E	3M	3L	3D	4E	4M	4L	4D	5E	5M	5L	5D	6E	6M	6L	6D		P(O)	7E	7M	7L	7D	8E	8M	8L	8D	Ⓢ	Ⓢ	REC.



U101 : 87EP26F-4K76  
 U102 : RPM6938-V4

Q101,180,181 : 9014  
 Q103,105,182 : 8550D  
 Q104,106 : 9013G

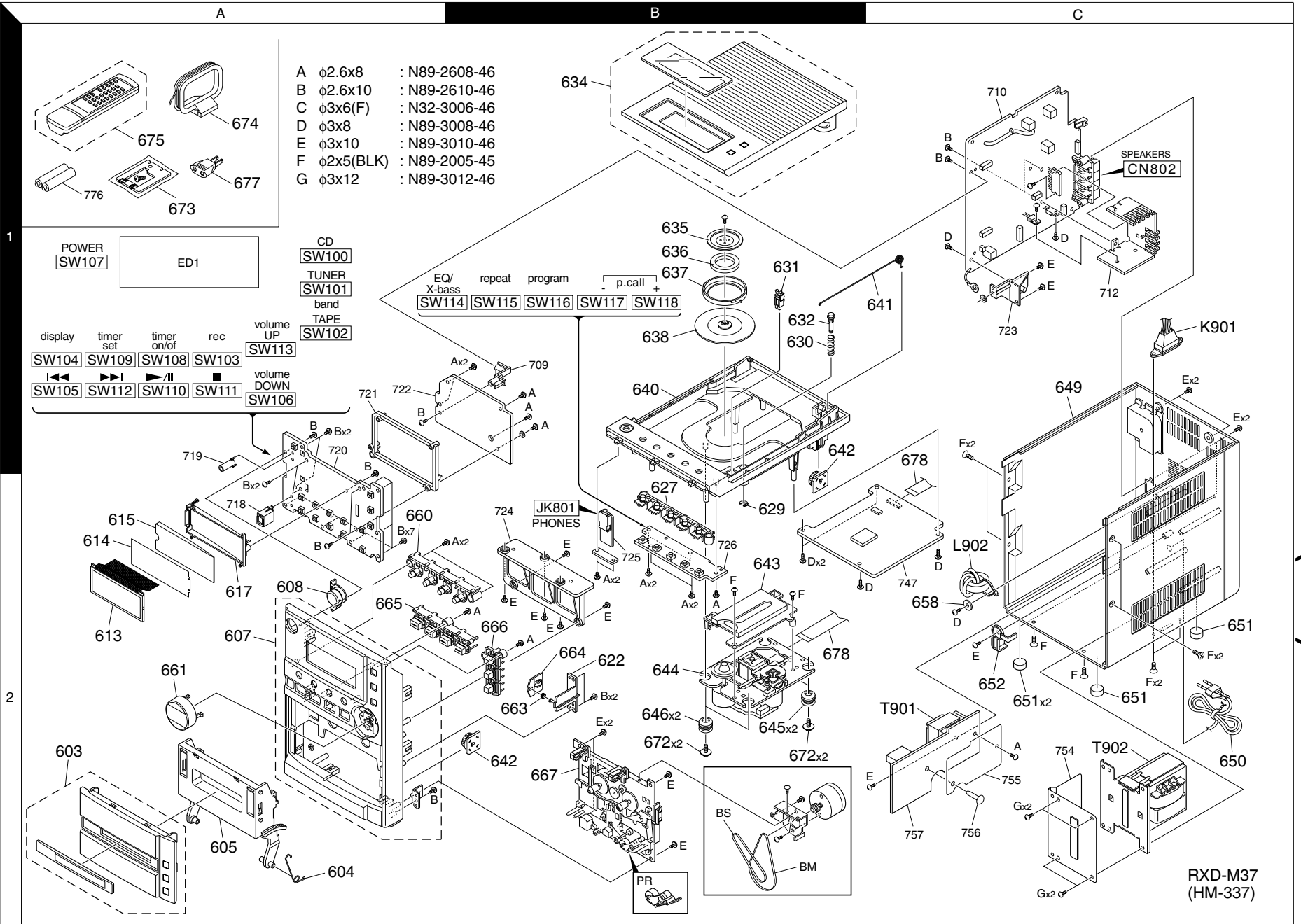
D101-105 : 1N4148

— GND LINE  
 — +B LINE  
 — -B LINE

**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

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EXPLODED VIEW (UNIT)

RXD-M37

RXD-M37 (HM-337)









\* New Parts

Parts without **Parts No.** are not supplied.  
 Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.  
 Teile ohne **Parts No.** werden nicht geliefert.

7

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R159			RK73GB1J823J	CHIP R 82K J 1/16W		
R160			RK73GB1J750J	CHIP R 75 J 1/16W		
R161			RK73GB1J471J	CHIP R 470 J 1/16W		
R162			RK73GB1J152J	CHIP R 1.5K J 1/16W		
R163			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R164			RK73GB1J272J	CHIP R 2.7K J 1/16W		
R165			RK73GB1J392J	CHIP R 3.9K J 1/16W		
R166			RK73GB1J272J	CHIP R 2.7K J 1/16W		
R167			RK73GB1J392J	CHIP R 3.9K J 1/16W		
R168			RK73GB1J562J	CHIP R 5.6K J 1/16W		
R169			RK73GB1J822J	CHIP R 8.2K J 1/16W		
R170			RK73GB1J153J	CHIP R 15K J 1/16W		
R171			RK73GB1J273J	CHIP R 27K J 1/16W		
R172			RK73GB1J823J	CHIP R 82K J 1/16W		
R173			RK73GB1J750J	CHIP R 75 J 1/16W		
R181,182			RK73GB1J103J	CHIP R 10K J 1/16W		
R183			RK73GB1J332J	CHIP R 3.3K J 1/16W		
R184,185			RK73GB1J101J	CHIP R 100 J 1/16W		
R186			RK73GB1J104J	CHIP R 100K J 1/16W		
R188			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R200			RK73GB1J274J	CHIP R 270K J 1/16W		
R201			RK73GB1J331J	CHIP R 330 J 1/16W		
R202			RK73GB1J154J	CHIP R 150K J 1/16W		
R203			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R204			RK73GB1J100J	CHIP R 10 J 1/16W		
R205			RK73GB1J274J	CHIP R 270K J 1/16W		
R206			RK73GB1J152J	CHIP R 1.5K J 1/16W		
R207			RK73GB1J103J	CHIP R 10K J 1/16W		
R208			RK73GB1J334J	CHIP R 330K J 1/16W		
R209,210			RK73GB1J100J	CHIP R 10 J 1/16W		
R211,212			RK73GB1J123J	CHIP R 12K J 1/16W		
R213,214			RK73GB1J562J	CHIP R 5.6K J 1/16W		
R215			RK73GB1J473J	CHIP R 47K J 1/16W		
R216,217			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R218			RK73GB1J473J	CHIP R 47K J 1/16W		
R219			RK73GB1J474J	CHIP R 470K J 1/16W		
R220			RK73GB1J101J	CHIP R 100 J 1/16W		
R221			RK73GB1J561J	CHIP R 560 J 1/16W		
R223			RK73GB1J332J	CHIP R 3.3K J 1/16W		
R226			RK73GB1J104J	CHIP R 100K J 1/16W		
R229			RK73GB1J104J	CHIP R 100K J 1/16W		
R231			RK73GB1J473J	CHIP R 47K J 1/16W		
R233			RK73GB1J101J	CHIP R 100 J 1/16W		
R234,235			RK73GB1J103J	CHIP R 10K J 1/16W		
R238,239			RK73GB1J103J	CHIP R 10K J 1/16W		
R242			RK73GB1J223J	CHIP R 22K J 1/16W		
R244			RK73GB1J104J	CHIP R 100K J 1/16W		
R247,248			RK73GB1J822J	CHIP R 8.2K J 1/16W		
R254			RK73GB1J220J	CHIP R 22 J 1/16W	EL	
R256			RK73GB1J104J	CHIP R 100K J 1/16W	EL	
R259			RK73GB1J103J	CHIP R 10K J 1/16W	EL	
R261-263			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R265			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R267			RK73GB1J561J	CHIP R 560 J 1/16W		
R268,269			RK73GB1J152J	CHIP R 1.5K J 1/16W		

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia  
 Y : PX(Far East,Hawaii) T : England E : Europe G : Germany V : China(Shanghai)  
 Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas  $\Delta$  indicates safety critical components .

\* New Parts

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 Teile ohne **Parts No.** werden nicht geliefert.

8

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R270			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R271			RK73GB1J103J	CHIP R 10K J 1/16W		
R277			RK73GB1J103J	CHIP R 10K J 1/16W		
R280			RK73GB1J103J	CHIP R 10K J 1/16W		
R284			RK73GB1J102J	CHIP R 1.0K J 1/16W	EL	
R285			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R286			RK73GB1J104J	CHIP R 100K J 1/16W		
R288			RK73GB1J103J	CHIP R 10K J 1/16W		
R297			RK73GB1J103J	CHIP R 10K J 1/16W		
R301-304			RK73GB1J103J	CHIP R 10K J 1/16W		
R305,306			RK73GB1J101J	CHIP R 100 J 1/16W		
R307,308			RK73GB1J682J	CHIP R 6.8K J 1/16W		
R309,310			RK73GB1J471J	CHIP R 470 J 1/16W		
R311-314			RK73GB1J103J	CHIP R 10K J 1/16W		
R315,316			RK73GB1J153J	CHIP R 15K J 1/16W		
R317,318			RK73GB1J224J	CHIP R 220K J 1/16W		
R319,320			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R321,322			RK73GB1J103J	CHIP R 10K J 1/16W		
R323			RK73GB1J104J	CHIP R 100K J 1/16W		
R326			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R327,328			RK73GB1J103J	CHIP R 10K J 1/16W		
R330,331			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R332			RK73GB1J104J	CHIP R 100K J 1/16W		
R333,334			RK73GB1J103J	CHIP R 10K J 1/16W		
R335			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R336			RK73GB1J473J	CHIP R 47K J 1/16W		
R337			RK73GB1J103J	CHIP R 10K J 1/16W		
R338			RK73GB1J473J	CHIP R 47K J 1/16W		
R339			RK73GB1J105J	CHIP R 1.0M J 1/16W		
R340			RK73GB1J103J	CHIP R 10K J 1/16W		
R341			RK73GB1J000J	CHIP R 0 J 1/16W		
R346			RK73GB1J104J	CHIP R 100K J 1/16W		
R347,348			RK73GB1J302J	CHIP R 3.0K J 1/16W		
R360			RK73GB1J4R7J	CHIP R 4.7 J 1/16W		
R365			RK73GB1J273J	CHIP R 27K J 1/16W		
R605,606			RK73GB1J471J	CHIP R 470 J 1/16W		
R607,608			RK73GB1J394J	CHIP R 390K J 1/16W		
R609,610			RK73GB1J471J	CHIP R 470 J 1/16W		
R611,612			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R621,622			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R623,624			RK73GB1J473J	CHIP R 47K J 1/16W		
R701,702			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R703,704			RK73GB1J473J	CHIP R 47K J 1/16W		
R705			RK73GB1J103J	CHIP R 10K J 1/16W		
R706,707			RK73GB1J271J	CHIP R 270 J 1/16W		
R716			RK73GB1J271J	CHIP R 270 J 1/16W		
R717			RK73GB1J220J	CHIP R 22 J 1/16W		
R721			RK73GB1J332J	CHIP R 3.3K J 1/16W		
R724			RK73GB1J332J	CHIP R 3.3K J 1/16W		
R728			RK73GB1J221J	CHIP R 220 J 1/16W		
R729			RK73GB1J224J	CHIP R 220K J 1/16W		
R730			RK73GB1J683J	CHIP R 68K J 1/16W		
R731			RK73GB1J103J	CHIP R 10K J 1/16W		
R732			RK73GB1J153J	CHIP R 15K J 1/16W		
R733			RK73GB1J473J	CHIP R 47K J 1/16W		

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PARTS LIST

RXD-M37

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R734			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R735			RK73GB1J273J	CHIP R 27K J 1/16W		
R736			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R737			RK73GB1J333J	CHIP R 33K J 1/16W		
R738			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R739			RK73GB1J100J	CHIP R 10 J 1/16W		
R740			RK73GB1J683J	CHIP R 68K J 1/16W		
R741			RK73GB1J473J	CHIP R 47K J 1/16W		
R742			RK73GB1J101J	CHIP R 100 J 1/16W		
R743-747			RK73GB1J473J	CHIP R 47K J 1/16W		
R757-760			RK73GB1J223J	CHIP R 22K J 1/16W		
R761,762			RK73GB1J393J	CHIP R 39K J 1/16W		
R763			RK73GB1J330J	CHIP R 33 J 1/16W		
R801,802			RK73GB1J123J	CHIP R 12K J 1/16W		
R803			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R804			RK73GB1J473J	CHIP R 47K J 1/16W		
R805,806			RK73GB1J392J	CHIP R 3.9K J 1/16W		
R807,808			RK73GB1J152J	CHIP R 1.5K J 1/16W		
R809,810			RK73GB1J333J	CHIP R 33K J 1/16W		
R811,812			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R813,814			RK73GB1J103J	CHIP R 10K J 1/16W		
R815			RK73GB1J220J	CHIP R 22 J 1/16W		
R817			RK73GB1J104J	CHIP R 100K J 1/16W		
R818			RK73GB1J332J	CHIP R 3.3K J 1/16W		
R819			RK73GB1J103J	CHIP R 10K J 1/16W		
R820			RD14BB2H680J	RD 68 J 1/2W		
R822			RK73GB1J220J	CHIP R 22 J 1/16W		
K901			S62-0124-08	VOLTAGE SELECT 16-10212-00	M	
RY901	*		S76-0144-08	RELAY SW 16-50101-01		
SW100-118	*		S70-0116-08	TACT SW EVQJAE 16-10101-08C		
D101-103			1N4148	DIODE 1N4148 02-04148-00W		
D104,105			1N4148	DIODE 1N4148 02-04148-00W		
D201-204			1N4148	DIODE 1N4148 ( 02-04148-00W		
D701			1N4148	DIODE 1N4148 02-04148-00W		
D702			MTZJ5.6B	ZENER DIODE 5 02-50056-00		
D803			1N4001	DIODE W-IN4001 02-04001-00T		
D901-904			1N4001	DIODE 02-04001-00T		
D905,906	*		RL202	DIODE 02-00202-00		
D907			1N4148	DIODE 02-04148-00W		
ICP			ICP-F20	IC(IC PROTECTOR) 3-00020-00		
LCD101	*		B38-0272-08	LCD DISPLAY 91-00337-00		
Q101			9014	TRANSISTOR 901 01-09014-05		
Q103	*		8550D	TRANSISTOR 855 01-08550-04B		
Q104			9013G	TRANSISTOR 901 01-09013-11B		
Q105	*		8550D	TRANSISTOR 855 01-08550-04B		
Q106			9013G	TRANSISTOR 901 01-09013-11B		
Q180,181			9014	TRANSISTOR 901 01-09014-05		
Q182	*		8550D	TRANSISTOR 855 01-08550-06		
Q201	*		9018	TRANSISTOR 901 01-09018-10		
Q202-204			9014	TRANSISTOR 901 01-09014-05		
Q205-207			9013G	TRANSISTOR 901 01-09013-11B		
Q208			9014	TRANSISTOR 901 01-09014-05		
Q251	*		8550D	TRANSISTOR 855 01-08550-06	EL	
Q252			9013G	TRANSISTOR 901 01-09013-11B	EL	

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Q260-263			9014	TRANSISTOR 901 01-09014-05		
Q280			9013G	TRANSISTOR 901 01-09013-11B		
Q281	*		8550D	TRANSISTOR 855 01-08550-05B		
Q301-303			1N4148	DIODE 1N4148 02-04148-00W		
Q301-306			2SC2412K	TRANSISTOR 2SC 01-02412-00R		
Q307,308		*	8050D	TRANSISTOR 805 01-08050-06		
Q309	*		8550D	TRANSISTOR 855 01-08550-06		
Q310-312			9013G	TRANSISTOR 901 01-09013-11B		
Q313	*		8550D	TRANSISTOR 855 01-08550-06		
Q315-317			9013G	TRANSISTOR 901 01-09013-11B		
Q360	*		8050D	TRANSISTOR 805 01-08050-06		
Q601,602			9014	TRANSISTOR 901 01-09014-05		
Q701,702	*		8050D	TRANSISTOR 805 01-08050-06		
Q703	*		8550D	TRANSISTOR 855 01-08550-06		
Q704			2SC1383R	TRANSISTOR 2SC 01-01383-18B		
Q705	*		8550D	TRANSISTOR 855 01-08550-06		
Q801,802	*		8050D	TRANSISTOR 805 01-08050-06		
Q802			1N4148	DIODE 1N4148 02-04148-00W		
Q803	Δ		KTD2058Y	TRANSISTOR KT 01-02058-00		
Q804	*		8550D	TRANSISTOR 855 01-08550-05B		
Q805	*		8050D	TRANSISTOR 805 01-08050-06		
Q806	Δ		2SC1383R	TRANSISTOR 2SC 01-01383-18B		
Q902	*		8050D	TRANSISTOR 805 01-08050-05B		
U101	*		87EP26F-4K76	IC CPU TMP 87E 03-87261-00		
U102			RPM6938-V4	SENSOR RPM6938 02-66938-00		
U201	*		TA2104AFN	IC TA2104AFN 03-02104-02	EL	
U250			BU1924F	IC BU1924F 03-01924-00		
U260			TC9257F	IC TC9257F 03-09257-01		
U301			TA8142AP	IC TA8142AP TO 03-08142-00		
U601			TC9422F	IC TC9422F TOS 03-09422-00		
U701			TC9462F	IC TC9462F 03-09462-00		
U702	*		TA2153FN	IC TA2153FN TO 03-02153-00		
U703			TA2092N	IC TA2092N TOS 03-02092-00		
U801	*		BA5415A	IC BA5415A ROH 03-05415-00		
U802	Δ		L7812C	IC L7812C (ARR 03-07812-00A		
VD201	*		SVC348T	TUNING DIODE S 02-00348-01		
VD202-205			SVC201SPA	TUNING DIODE S 02-00201-00		
ZD801			MTZJ9.1B	ZENER DIODE 9. 02-50091-00		
ZD802			MTZJ6.2B	ZENER DIODE 6. 02-50062-00		
ZD901			MTZJ5.6B	ZENER DIODE 02-50056-00		
<b>CASS. MECHANISM</b>						
BM	2B	*	D16-0809-08	MAIN BELT A-4003-3B		
BS	2B	*	D16-0810-08	SUB BELT L-4003-0		
PR	2B	*	D14-0832-08	PINCH ROLLER L-03		

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# RXD-M37

## PARTS LIST / SPECIFICATIONS

### PARTS LIST

#### HOW TO READ THE PARTS LIST

#### ABBREVIATION OF MODEL AND MASS PRODUCTION'S DESTINATIONS

MODEL	ABB.	Australia	Canada	China	England	Europe	Germany	Korea	Malaysia
		<i>X</i>	<i>P</i>	-	-	<i>E</i>	-	-	-
<i>RXD-M37-L</i>	<i>3</i>	-	-	-	-	L	-	-	-
<i>RXD-M37-S</i>	<i>8</i>	X	-	-	-	E	-	-	-
MODEL	ABB.	Mexico	PX/AAFES	Russia	Scandinavia	Shanghai	USA		
		-	-	-	-	-	-	<i>M</i>	
<i>RXD-M37-L</i>	<i>3</i>	-	-	-	-	-	-	-	-
<i>RXD-M37-S</i>	<i>8</i>	-	-	-	-	-	-	M	-

### SPECIFICATIONS

#### Main unit

##### Amplifier section

Rate output power .. 5 W + 5 W (1 kHz, 10% T.H.D., at 4  $\Omega$ )  
X-BASS ..... +7 dB (60 Hz)

##### Tuner section

FM tuner section

Tuning frequency range..... 87.5 MHz ~ 108 MHz

AM tuner section

Tuning frequency range

(For the Europe and Australia) ..... 531 kHz ~ 1,602 kHz

(For other countries)..... 530 kHz ~ 1,610 kHz

##### CD player section

Laser ..... Semiconductor laser

Over sampling ..... 8 fs (352.8 Hz)

Laser wave length ..... 760 ~ 800 nm

Laser power class ..... Class 1 (IEC)

D/A conversion ..... 1 Bit

##### Cassette deck section

Track ..... 4-track, 2-channel stereo

##### General

Power consumption ..... 25 W

Dimensions ..... W : 145mm (5-11/16")

H : 210 mm (8-1/4")

D : 227 mm (8-15/16")

Weight (net) ..... 2.7 kg (6.0 lb)

#### Speakers

Enclosure ..... Bass-reflex type

Speaker configuration

..... Woofer

100 mm, cone type

Impedance ..... 4  $\Omega$

Maximum input level ..... 5 W

Dimensions ..... W : 130 mm (5-1/8")

H : 208 mm (8-3/16")

D : 161 mm (6-5/16")

Weight (net) ..... 2.3 kg (5.1 lb) (1 piece)

#### Notes:

- KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
- Sufficient performance may not be exhibited at extremely cold locations (where water freezes).