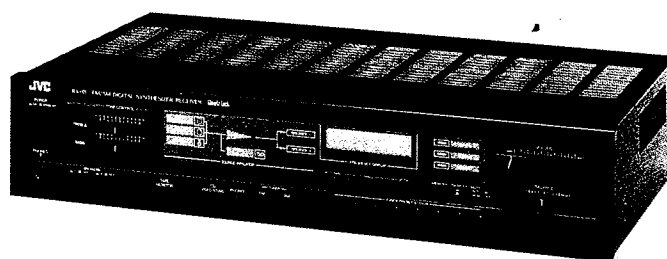


JVC

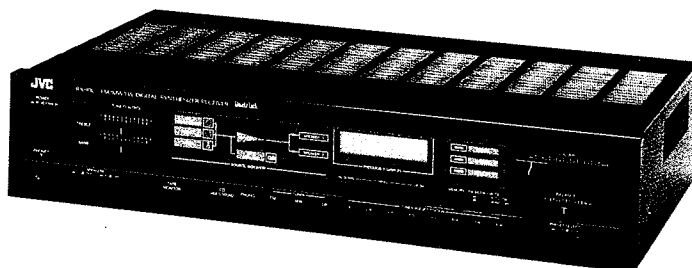
SERVICE MANUAL

STEREO RECEIVER

MODEL
RX-111BK
RX-111LBK



RX-111BK



RX-111LBK

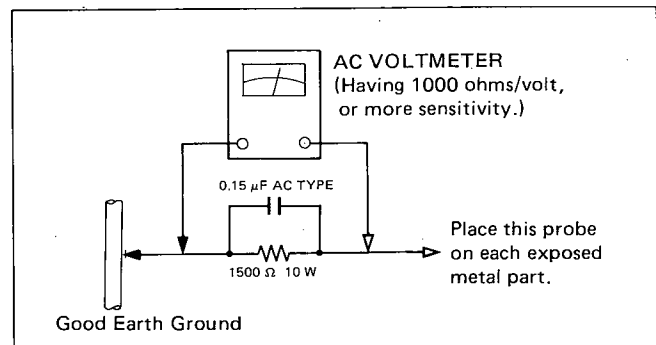
Contents

Safety Precautions	1-1	5. Block Diagram	1-9
1. Specifications	1-2	Parts List	Separate-volume Insertion
2. Names of Controls and Their Functions	1-3	6. RX-111BK/RX-111LBK Schematic Diagram	
3. Removal Procedures	1-5	6-(1) RX-111BK Tuner Section	1-10
3-(1) Metal cover section	1-6	6-(2) RX-111LBK Tuner Section	1-11
3-(2) Front panel section	1-6	6-(3) RX-111BK/RX-111LBK Amplifier Section .	1-12
3-(3) Chasis base section	1-6	6-(4) Internal Block Diagram of	
4. FM/AM(MW/LW) Tuner Alignment Procedures ...	1-7	Major LSI ICs	1-13

Safety Precautions

1. The design of this product contains special hardware, 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. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry 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 product 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 (Δ) on the parts list in Service manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list in 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/or 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 they should be confirmed to be returned to normal, after re-assembling.
5. To confirm the polarity of the power cord and AC outlet (Canada only).
When replacing the power cord or the AC outlet, make sure that the power switch or the protection device (the primary fuse etc.) is NOT connected to the ground power side of the plug and AC outlet (wider blade of plug or wider hole of the AC outlet).

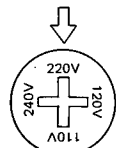
6. Leakage current check
(Safety for electrical shock hazard)
After re-assembling the product, always perform an isolation check on the exposed metal parts of the Products (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate 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 0.5 mA AC (r.m.s.).
 - Alternate check method.
Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1500 Ω 10 W resistor paralleled by a 0.15 μ 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. Any voltage measured must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



CHECKING YOUR LINE VOLTAGE (Except for U.S.A., Canada, Australia, U.K. and Continental Europe.)

Before inserting the power plug, please check this setting to see that it corresponds with the line voltage in your area. If it doesn't, be sure to adjust the voltage selector switch to the proper setting before operating this equipment. The voltage selector switch is located on the rear panel.

CAUTION Before selecting the "Voltage selector switch" to proper voltage disconnect the power plug.



1. Specifications

AMPLIFIER SECTION

'78 IHF

RMS Power : **25 watts per channel, min. RMS, both channels driven, into 8 ohms from 40 Hz to 20 kHz, with no more than 0.5 % total harmonic distortion.**

27 watts per channel, min. RMS, both channels driven into 8 ohms at 1 kHz with no more than 0.7 % total harmonic distortion.

Total Harmonic Distortion : 0.1 % at 25 watts (1 kHz, 8 ohms)
 Input Sensitivity/Impedance
 PHONO : 2.5 mV/47 kohms
 TAPE PLAY/CD/VIDEO SOUND : 150 mV/40 kohms
 Recording Output Level : 140 mV
 Frequency Response : 20 Hz – 20 kHz, +1 dB, -1 dB (8 ohms)

Tone control
 TREBLE : ± 8 dB (10 kHz)
 BASS : ± 8 dB (100 Hz)
 Signal to Noise Ratio
 PHONO : 70 dB ('66 IHF) 59 dB (DIN)
 78 dB ('78 IHF, Rec out)
 TAPE PLAY/CD/VIDEO SOUND : 91 dB ('66 IHF) 64 dB (DIN)
 74 dB ('78 IHF)

FM TUNER SECTION

'78 IHF

DIN (for Europe)

Tuning Range : 87.5 MHz–108.0 MHz 87.5 MHz–108.0 MHz
 Usable Sensitivity : Mono 10.8 dBf 0.95 μV/75 ohms 1.5 μV/75 ohms
 1.9 μV/300 ohms
 50 dB Quieting Sensitivity : Mono 16.3 dBf (1.8 μV/75 ohms) (3.6 μV/75 ohms) Stereo 38.3 dBf (22.5 μV/75 ohms) (45 μV/300 ohms)
 S/N 46 dB Stereo Sensitivity : — Stereo 23 μV/75 ohms
 Signal to Noise Ratio : Mono 80 dB Mono 72 dB
 Stereo 73 dB (A-net.) Stereo 64 dB (weighted) (at 98 MHz, 80 dBf)
 Total Harmonic Distortion : Mono 0.15 % Mono 0.1 %
 1 kHz Frequency Response : Stereo 0.20 % Stereo 0.3 %
 30 Hz – 15 kHz, +0.3 dB, -5 dB
 Capture Ratio : 1.5 dB 1.0 dB
 Alternate Channel Selectivity : 60 dB, ±400 kHz 55 dB, ±300 kHz
 Image Response Ratio : 55 dB at 98 MHz
 IF Response Ratio : 85 dB at 98 MHz
 Stereo Separation : 40 dB at 1 kHz

AM TUNER SECTION

'78 IHF

DIN (for Europe)

MW
 Tuning Range : 522 kHz–1611 kHz 522 kHz–1611 kHz
 Channel space : 9 kHz 9 kHz
 Channel space : 520 kHz–1710 kHz 10 kHz
 Sensitivity : 350 μV/m at 1000 kHz 350 μV/m at 999 kHz
 30 μV at 1000 kHz 30 μV at 999 kHz
 Signal to Noise Ratio (100mV/m) : 50 dB at 1000 kHz 50 dB at 999 kHz
 45 dB for R-X110L/LB
 Selectivity : 38 dB, ±10 kHz at 1000 kHz 35 dB, ±9 kHz at 999 kHz

LW (RX-111LBK only)

Tuning Range : 153 Hz – 360 kHz
 Sensitivity : 600 μV/m at 245 kHz
 100 μV at 245 kHz
 Signal to Noise Ratio (100 mV/m) : 45 dB at 245 kHz
 Selectivity : 45 dB ±9 kHz at 245 kHz

Design and specifications subject to change without notice.

Power Specifications

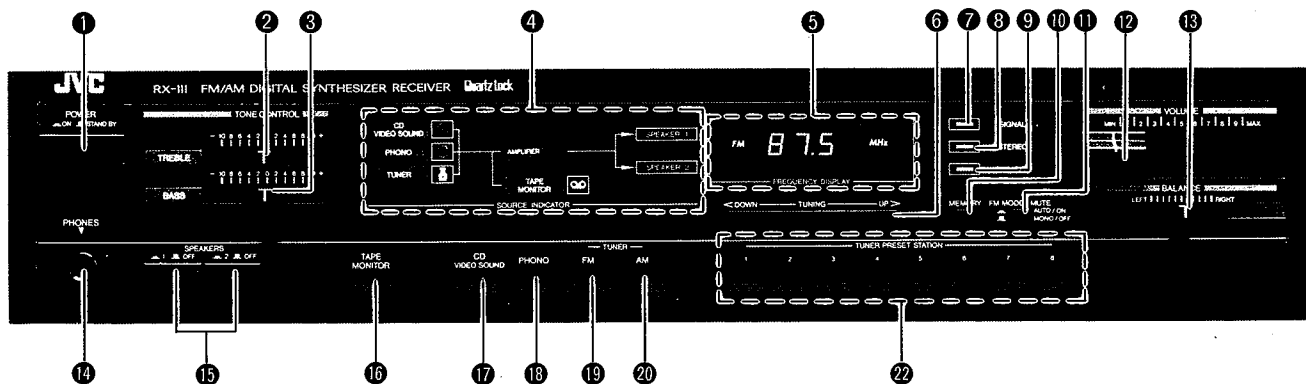
Areas	Line Voltage & Frequency	Power Consumption
U.S.A., Canada	AC 120 V, 60 Hz	100 W, 130 VA
Europe	AC 220 V [~] , 50 Hz	80 watts
U.K., Australia	AC 240 V [~] , 50 Hz	80 watts
Other Areas	AC 110/120/220/240 V [~] , Selectable, 50/60 Hz	80 watts

Dimensions and Weight

Dimensions			Weight
Height	Width	Depth	Net
92 mm (3-5/8")	435 mm (17-1/8")	265 mm (10-7/16")	3.8 kg (8.4 lbs)

2. Names of Controls and Their Functions

RX-111BK



1 POWER

ON (—): Press to set to this position to turn the power on.

STAND BY (—): When the power cord is plugged into an AC outlet, the memory circuit operates and the preset stations and the source selectors are not subject to cancellation or accidental alteration. The preset data and the source select data are maintained even in the case of a power failure or when the power cord is disconnected, if the period power is not applied does not exceed a couple of days.

Notes:

- Even when the POWER button is set to STAND BY, this receiver consumes a small amount of electricity (5 watts). To shut the power completely off, disconnect the power cord.
- An electronic source selector is used in this unit. When the POWER button is first switched on, two or more sources or no source may be selected. Make sure to input the source select data by pressing one of the source selectors.

2 TREBLE

Slide to the right to boost treble response, to the left to decrease it.

3 BASS

Slide to the right to boost bass response, to the left to decrease it.

4 Source indicators

The indicator corresponding to the source select button pressed lights.

5 Frequency display

The tuned-in frequency is displayed digitally as follows:

For AM reception: Four digits (kHz) are displayed.

For LW reception: Three digits (kHz) are displayed.

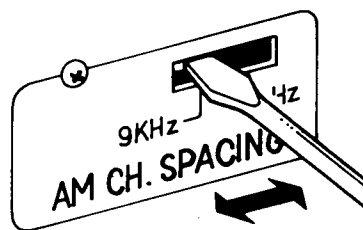
(RX-111LBK only)

For FM reception: Five digits (MHz) are displayed.

(for continental Europe, the U.K., Australia and other areas.)

Four digits (MHz) are displayed.

(for the U.S.A. and Canada)



Switch over using the tip of a screwdriver as shown in Fig. above.

6 TUNING UP/DOWN

When the UP/DOWN-scanning button is pressed, the frequency changes in predetermined steps (see table below). Tapping this button changes the tuner step by step; pressing continuously (more than 0.5 sec.) changes tuning by high speed scanning which stops when the button is released. After choosing the frequency you want to listen to, hold the button pressed to scan rapidly until the display approaches the desired frequency, then tap the button lightly to tune precisely.

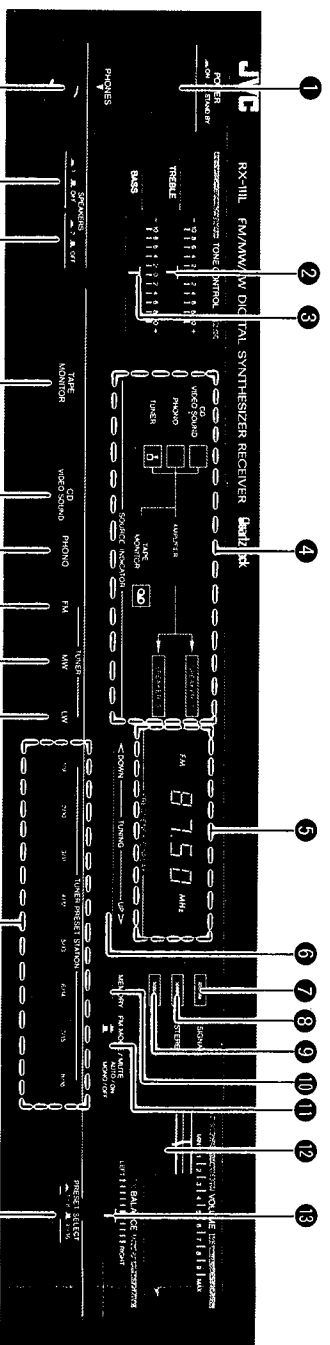
Channel spacing

AM channel spacing knob (RX-111BK only) is provided on the rear panel for selecting 9 kHz or 10 kHz steps according to your area.

Band	FM	AM (MW)	AM(LW)
U.S.A., Canada	100 kHz	10 kHz	—
Europe, Australia	50 kHz	9 kHz	1 kHz
Other areas	*50 kHz	*9 kHz	—
	100 kHz	10 kHz	

Note: *Preset at the factory.

Connection Diagram



Note:
 ● When speakers are connected to only one system of the SPEAKERS terminals, press only the SPEAKERS button of the system connected; if both buttons are pressed, sound will not be heard from either speaker system. When two pairs of speakers are connected and either or both SPEAKERS buttons is/are pressed, sound will be heard from either or both speaker system(s).

- 7 SIGNAL indicator**
This LED lights when the signal is input. Tune to the required frequency while watching the frequency display **5**.
- 8 FM STEREO indicator**
This LED lights when tuned to an FM stereo broadcast.
- 9 MEMORY indicator**
When the MEMORY button is pressed, this MEMORY indicator lights to show that the unit is ready to store a preset frequency in memory. This indicator will go out automatically in about 10 sec. or when the station select button is pressed.
- 10 MEMORY**
Press this button and the MEMORY indicator will light to show that memory is ready to receive a frequency. (This button is non-locking type.)
Pressing the station select button while the MEMORY indicator is lit (for about 10 sec.) stores the frequency being received in memory.
When the MEMORY indicator is not lit, the memory function does not operate.
- 11 FM MODE (MUTE)**
This button is used to select FM AUTO (MUTE ON)/MONO (MUTE OFF) mode. When stereo reception is possible, set this button to AUTO (MUTE ON) (—). This also eliminates inter-station noise during FM tuning.
When signals are too weak to be received or a stereo broadcast is unsatisfactory, set to MONO (MUTE OFF) (—). Stereo will be changed to mono, but sound quality will be improved. This is convenient to bring in distant FM stations without muting.
- 12 VOLUME**
This knob has an auto loudness effect. When the volume is lowered, the sound with compensated high and low frequencies can be obtained.
- 13 BALANCE**
Use to adjust the balance between the left and right speakers.
- 14 Headphone jack (PHONES)**
Plug stereo headphones into this jack for private listening and to monitor recording. For private listening, set the SPEAKERS buttons to OFF.
- 15 SPEAKERS-1/SPEAKERS-2**
Press to switch the speakers connected to the SPEAKERS 1 and/or 2 terminals on and off.
- 16 TAPE MONITOR**
Press to listen to the tape deck connected to the TAPE terminals. Press it again to hear the source selected with the source select buttons.
- 17 CD/VIDEO SOUND**
Press to hear or record sound from compact disc, video, or other equipment connected to the CD/VIDEO SOUND terminals on the rear panel.
- 18 PHONO**
Press to hear or record sound from the turntable connected to the PHONO terminals on the rear panel.
- 19 FM**
Press to switch on the FM tuner section.
- 20 AM (for RX-111BK): MW (for RX-111LBK)**
Press to switch on the AM (MW) tuner section.
- 21 LW (RX-111LBK only)**
Press to switch on the LW tuner section.
- 22 Station select buttons**
These buttons are used to select one of the preset stations or to store the station frequency in memory. If one of these buttons is pressed when the MEMORY button is pressed in, the frequency being received will be stored in memory.
Up to 16 FM and AM stations can be stored in memory. 8 for each position of the PRESET SELECT button (Continental Europe, U.K. and Australia).
8 FM and AM stations can be preset in memory (U.S.A., Canada and other countries).
- 23**
When you switch from radio reception to any other mode or set the power button to STAND BY, then switch back to the radio or switch the power on again, you will hear the station previously selected.
- 24 PRESET SELECT**
Press to set to channels 1-8 (—) or channels 9-16 (—).
(only for Continental Europe, U.K. and Australia.)

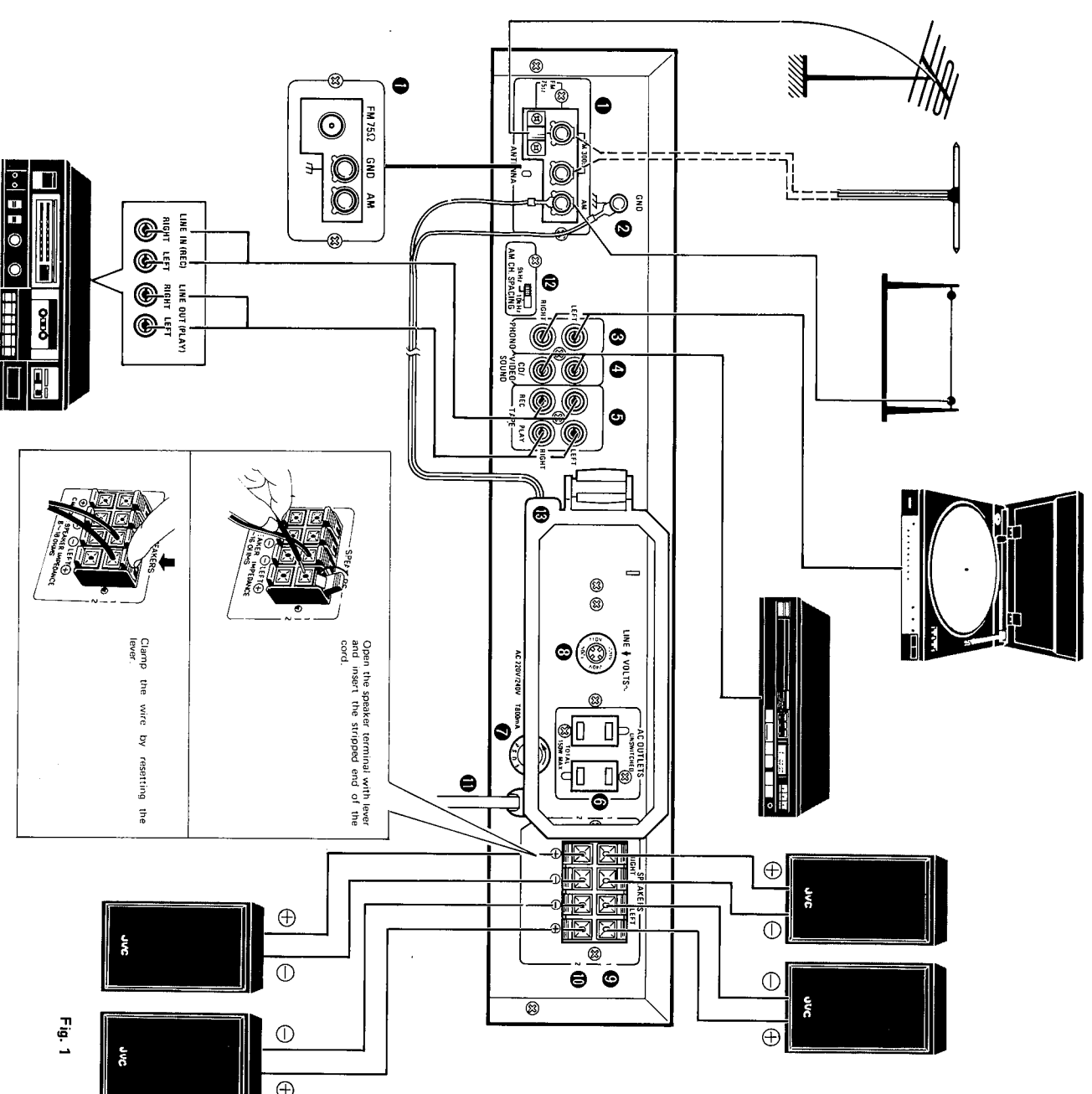


Fig. 1

- 1** External ANTENNA terminals (for Germany only)
- 2** GND terminal
- 3** This terminal is used for the connection of an AM loop antenna and turntable.
- 4** PHONO terminals
- 5** CD/VIDEO SOUND terminals
- 6** TAPE terminals
- 7** AC OUTLETS*
- 8** Fuse holder***
- 9** Voltage selector**
- 10** When this equipment is used in an area where the supply voltage is different from the preset voltage, reset the voltage selector to the correct position.
- 1** External ANTENNA terminals (for W. Germany only)
- 2** GND terminal
- 3** This terminal is used for the connection of an AM loop antenna and turntable.
- 4** PHONO terminals
- 5** CD/VIDEO SOUND terminals
- 6** TAPE terminals
- 7** AC OUTLETS*
- 8** Fuse holder***
- 9** Voltage selector**
- 10** When this equipment is used in an area where the supply voltage is different from the preset voltage, reset the voltage selector to the correct position.

ANTENNAS

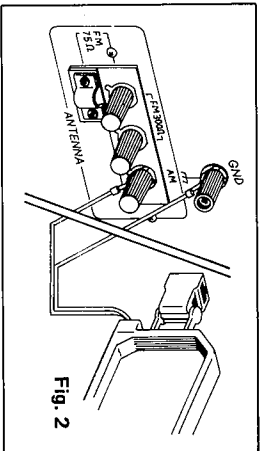


Fig. 2

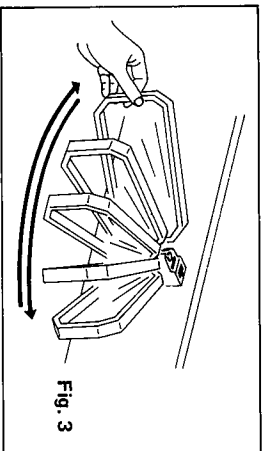


Fig. 3

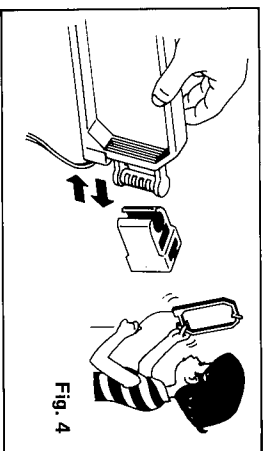


Fig. 4

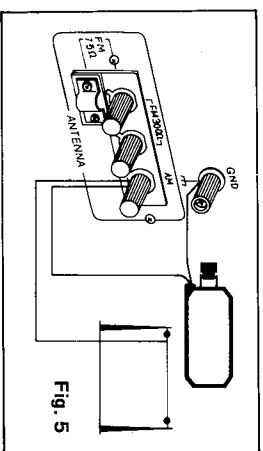


Fig. 5

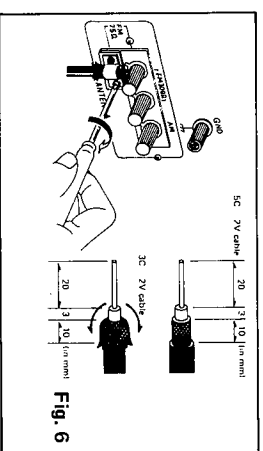


Fig. 6

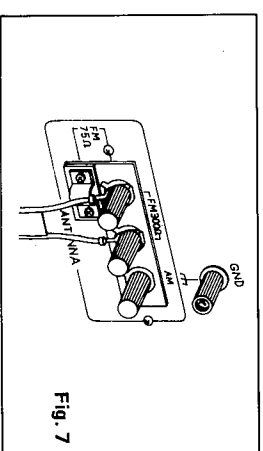


Fig. 7

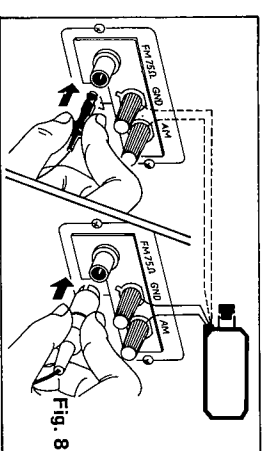


Fig. 8

AM (MW/LW) loop antenna (Fig. 2, 3)

This antenna is for the reception of local AM broadcasts. If it is too close to the rear panel, pull it away from the panel and adjust it for best reception by tilting. This loop antenna can be tilted outward by 180°. Make sure to connect the ground lead to the GND terminal.

When too much noise occurs (Fig. 4)

Change the direction of the loop antenna or remove it and reinstall it in a position that gives best reception. The loop antenna can be removed easily by pulling it towards you.

AM (MW/LW) external antenna (Fig. 5)

If AM reception is not good, connect an external AM antenna (single-wire antenna) to the AM ANTENNA terminal.

Notes:

- If the provided loop antenna is not installed or the antenna cord touches to the rear panel, it will be impossible to receive AM broadcasts.

- When installing an AM external antenna, leave the AM loop antenna connected.

FM antennas

- 75-ohm antenna with coaxial lead (Fig. 6)

Loosen the screws on the bracket and insert the cable into the ring from below. Then connect the stripped core to the upper terminal. The bracket ring works as the ground terminal.

- Feeder antenna (Fig. 7)

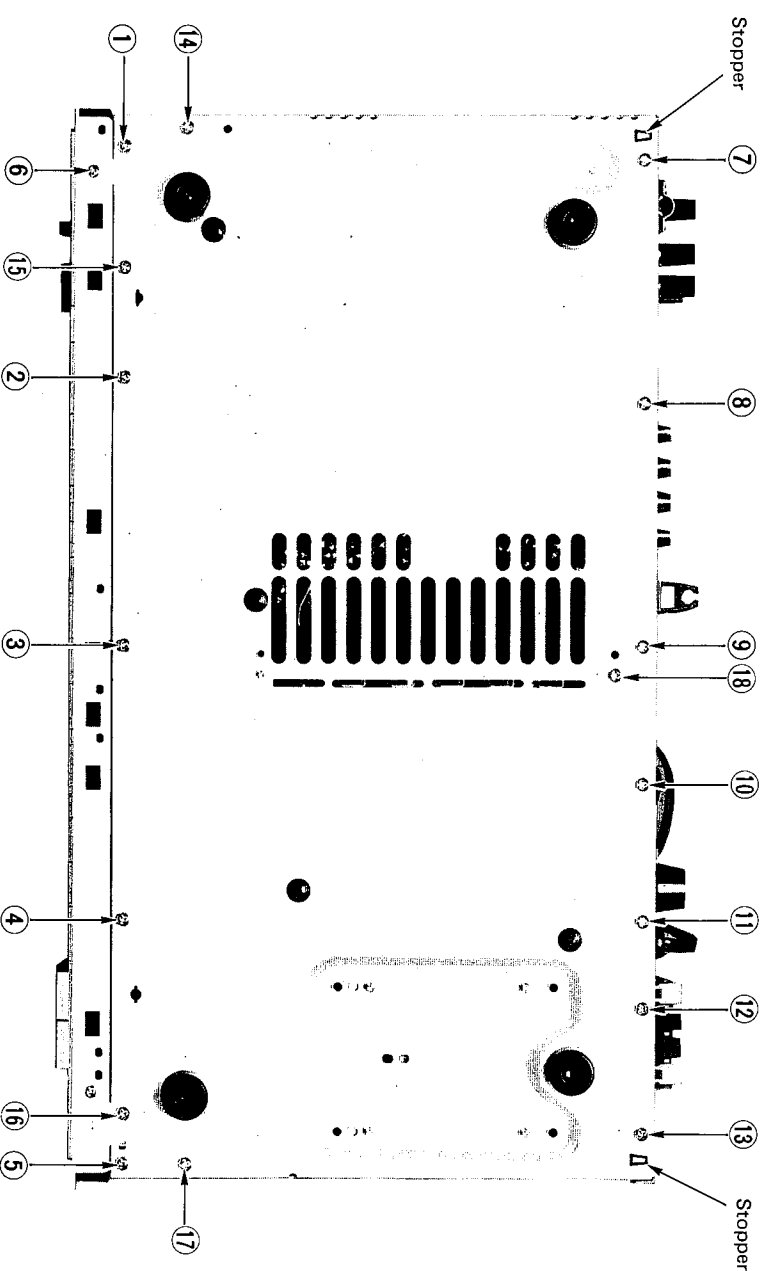
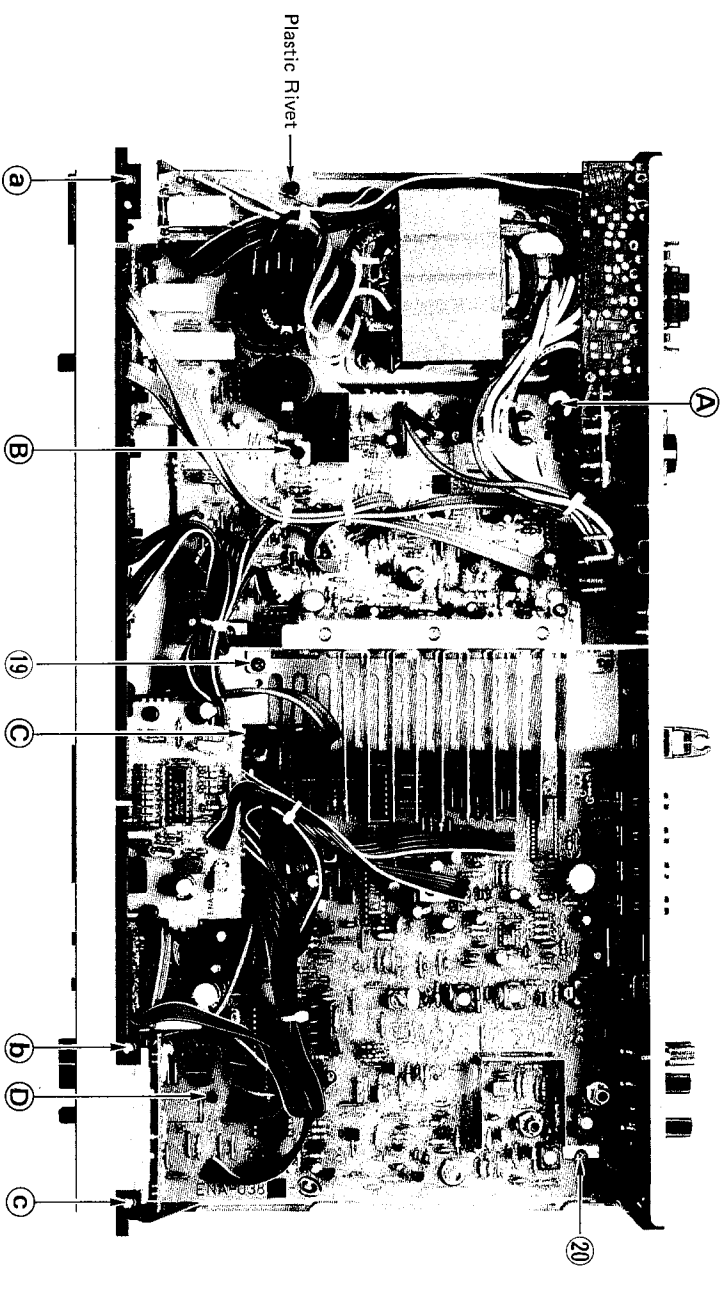
Connect to the 300-ohm terminal.

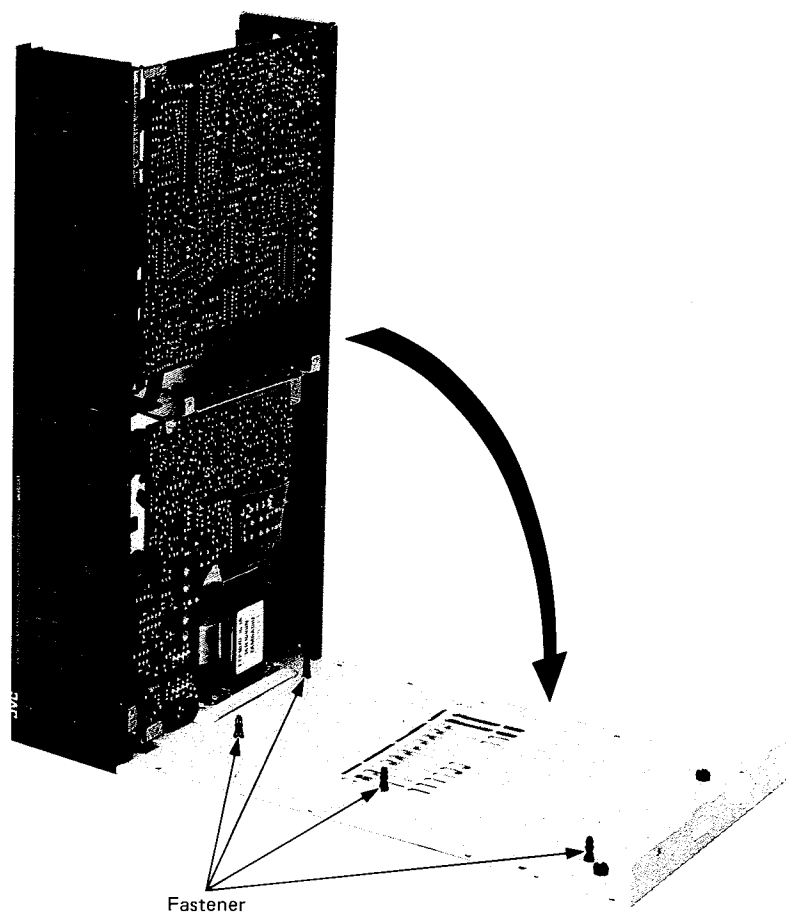
Take care that the wires of the feeder antenna do not touch any other terminal.

- 75-ohm antenna with coaxial type connector (DIN 45 332) for W. Germany (Fig. 8)

Connect to the 75-ohm terminal.

3. Removal Procedures





3-(1) Metal Cover Section

1. Remove the screws securing the metal cover – two screws from its two sides and three from its rear side.
2. Extract the metal cover while lifting its rear side.

3-(2) Front Panel Section

1. Demount the metal cover (refer to item 3-(1) above).
2. Remove three screws (a), (b) and (c).
3. Remove five screws (1) through (5) – namely, those screws that jointly secure the front panel and the chassis base through the panel bottom side.
4. Remove screw (6) – the one that secures the front panel through its lower side.

3-(3) Chassis Base Section

1. Demount the metal cover (refer to item 3-(1) above).
2. Remove 16 screws (1) through (5) and (7) through (17) – those screws that secure the chassis base through its bottom side.
3. Remove two screws (18) and (19) securing the heat sink.
4. Remove screw (20) securing the tuner PC board.
5. Extract the plastic rivet securing the amplifier PC board.
6. Remove four fasteners (A), (B), (C), and (D) securing the tuner PC board and the amplifier PC board. (Push in the fasteners while using radio-repair pliers or a similar tool to grip the fastener head.)
7. Open the chassis base while loosening the stopper engaged with the rear panel.

4. FM/AM (MW/LW) Tuner Alignment Procedures

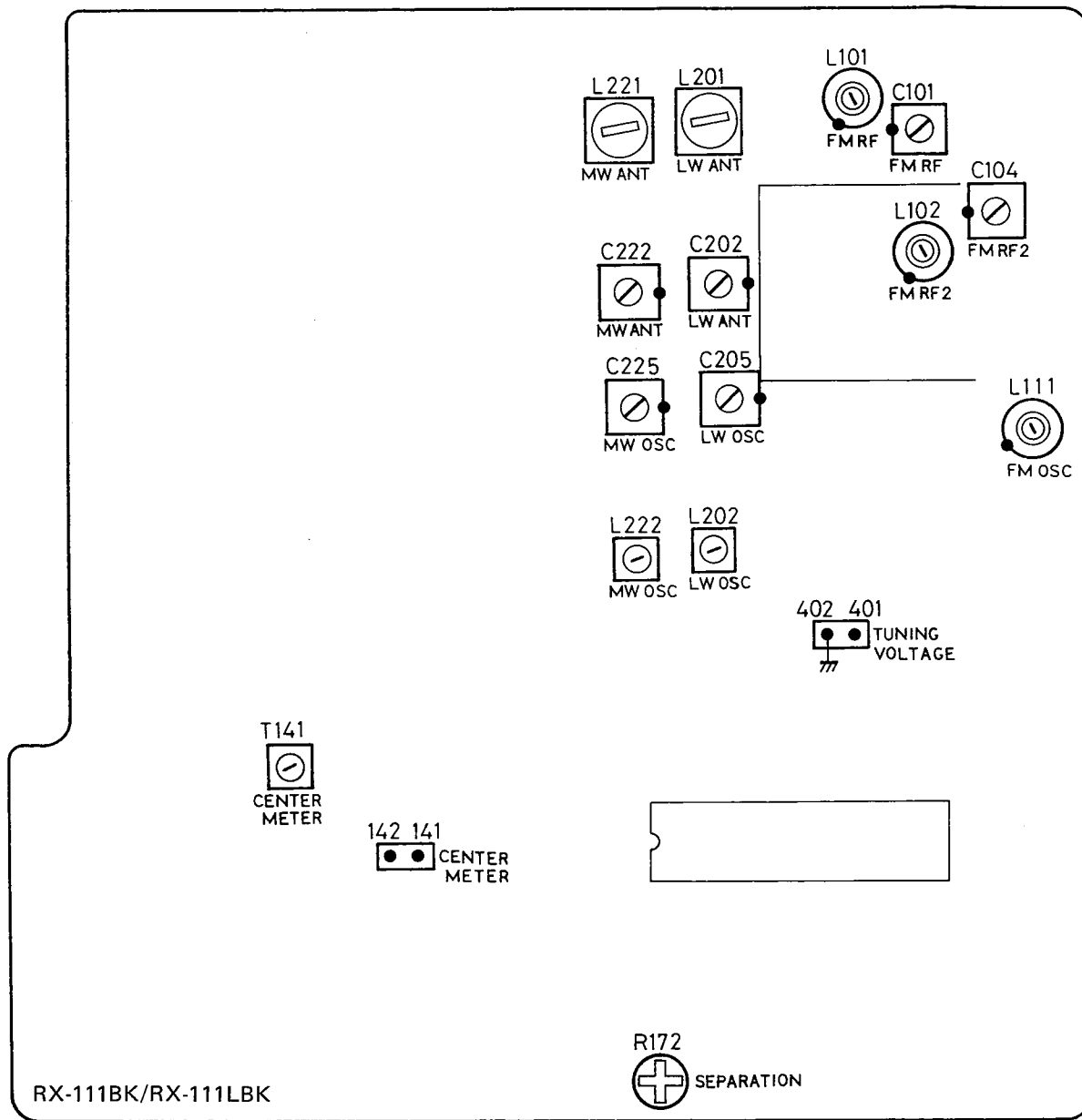


Fig. 6

FM Section

Band Cover

1. Set the frequency display to 108.0 MHz.
2. Connect a DC. VTVM. to TP401 and TP402 (GND).
3. Adjust L111 so that the VTVM. shows 9.00 V.
4. And set the frequency display to 87.5 MHz.
5. Check the VTVM. voltage reading $1.60 \text{ V} \pm 0.5 \text{ V}$.

Note: After adjustment, confirm that the band cover is as follows: (for West Germany only)

FM: Low-end 87.5 MHz -300 kHz
High-end 108.0 MHz +500 kHz

Sensitivity

Low Frequency

1. Connect an RF generator to 75 Ω antenna terminals on the rear panel. through a dummy antenna. (FM 75 Ω :

2. Set an RF generator to 90 MHz, a modulation of 1 kHz and a deviation of 75 kHz to provide an input of $1 \mu\text{V}$.
3. Connect a VTVM and an oscilloscope to the Rec. out jacks on the rear panel.
4. Set the frequency display to 90 MHz.
5. Adjust coils L101, L102 to maximize the output.

High Frequency

6. Set the RF generator to 106 MHz, a modulation of 1 kHz and a deviation of 75 kHz to provide an input of $1 \mu\text{V}$.
7. Set the Frequency Display to 106 MHz.
8. Adjust the FM trimmers C101, C104 to maximize the output.
9. Repeat these high and low frequencies adjustment alternately until maximum sensitivity is obtained.

Discriminator, Distortion and Signal Gain

1. Press to FM position.
2. Connect an RF generator, 1 kHz modulation and a 75 kHz deviation to the antenna terminals on the rear panel through a dummy antenna.
3. Connect an oscilloscope, Distortion Meter and VTVM to the Rec. out jacks on the rear panel.
4. Set the RF generator to 98 MHz, generator output to minimize.
5. Set the Frequency Display to a 98 MHz.
6. Connect a DC VTVM between TP141 and TP142.
7. And set the RF generator output to 0.5 mV.
8. Adjust the core of T141 for DC VTVM reading of 0 (zero) mV.

Stereo Separation (for Europe, U.K. and Australia only)

1. Set the stereo signal generator as follows: 400 Hz modulation frequency, 7.5 kHz deviation pilot, 67.5 kHz main and sub carriers. Connect its output to the RF generator.
2. Connect an RF generator to the antenna terminals through a dummy antenna.
3. Switch the selector of stereo modulator to left channel modulation.
4. Adjust R172 so that the output of right channel is minimized.
5. Switch the selector of the modulator to right channel modulation.
6. Adjust R172 so that the left channel is minimized.
7. Set R172 to an average, if the separation of left and right is different.

AM(MW) Section**Band Cover**

1. Press to AM(MW) position.
2. Set the frequency display to 520 kHz (10 kHz channel step), or 522 kHz (9 kHz channel step).
3. Connect DC. VTVM. TP401 and TP402 (GND).
4. Adjust L222 so that the VTVM. shows 0.95 V.
5. And set the frequency display to 1710 kHz (10 kHz channel step), or 1611 kHz (9 kHz channel step).
6. Adjust C225 so that the DC. VTVM. reads 9.00 V for 1710 kHz, or 7.50 V for 1611 kHz.

Tracking and Sensitivity

Note: Be sure to perform this adjustment posterior to the LW tracking adjustment.

1. Connect the loop antenna. Also connect the RF generator to the antenna terminal on the rear panel.
2. Set the generator to 600 kHz (or 603 kHz) with 30 % modulation at 400 Hz.
3. Set the frequency display to 600 kHz, or 603 kHz.
4. Adjust the core of L221 to maximize the output.
5. Set the generator to 1400 kHz, or 1404 kHz.
6. Set the frequency display of the unit to 1400 kHz, or 1404 kHz.
7. Adjust C222 so that the output signal is maximized.
8. Repeat these adjustments (1 ~ 7) alternately until maximum sensitivity is obtained.

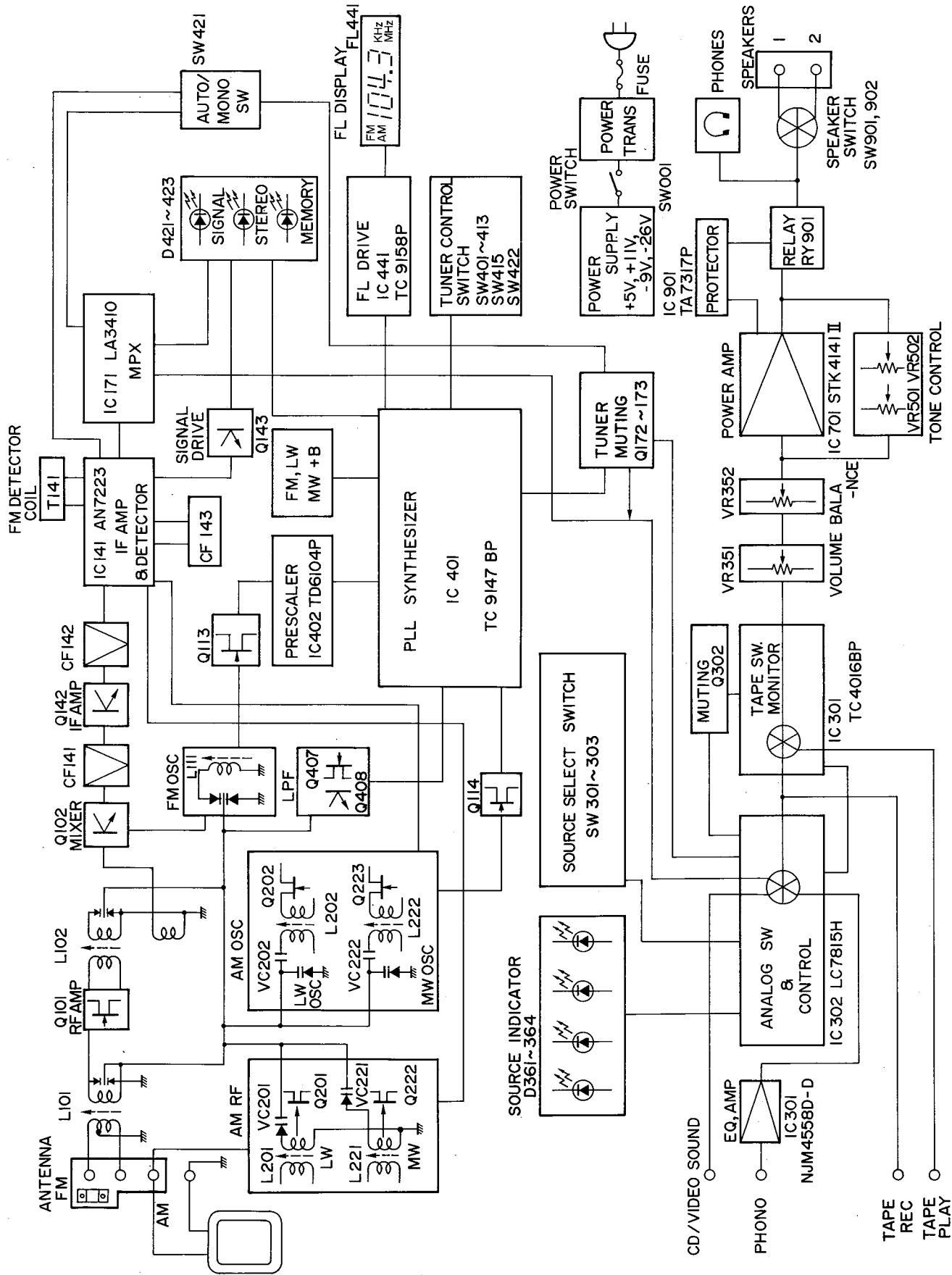
LW Section**Band Cover**

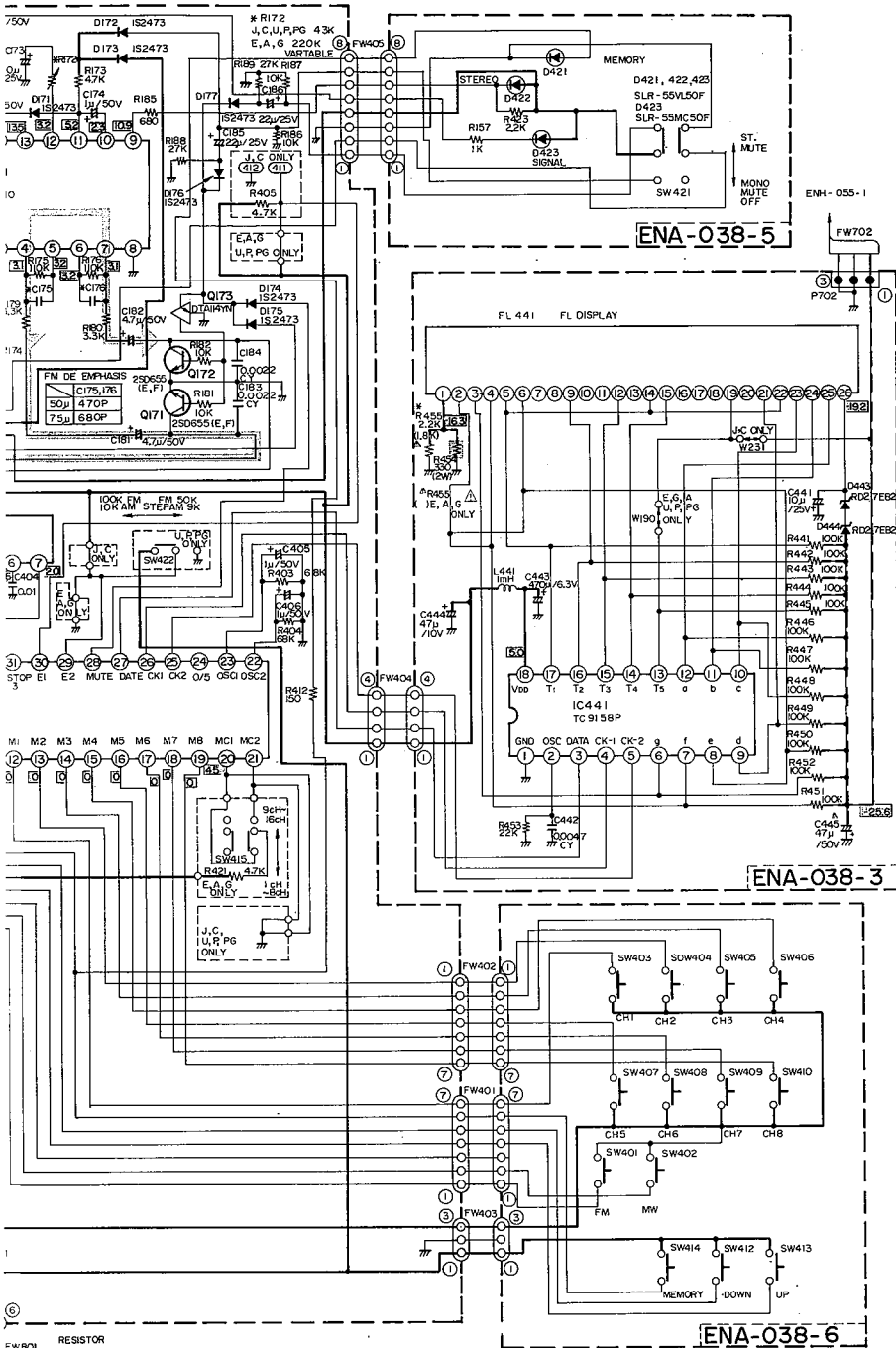
1. Press to LW position.
2. Set the frequency display to 153 kHz.
3. Connect a DC. VTVM. to TP401 and TP402 (GND).
4. Adjust L202 so that the VTVM. shows 1.10 V.
5. Set the frequency display to 360 kHz.
6. Adjust C205 so that the VTVM. reads 8.00 V.

Tracking and Sensitivity

1. Connect the loop antenna. Also connect the RF generator to the antenna terminal on the rear panel.
2. Set the generator to 164 kHz with 30 % modulation at 400 kHz.
3. Set the frequency display to 164 kHz.
4. Adjust the core of L201 to maximize the output.
5. Set the frequency generator to 353 kHz.
6. Set the frequency display of the unit to 353 kHz.
7. Adjust C202 so that the output signal is maximized.
8. Repeat these adjustments (1 ~ 7) alternately until maximum sensitivity is obtained.

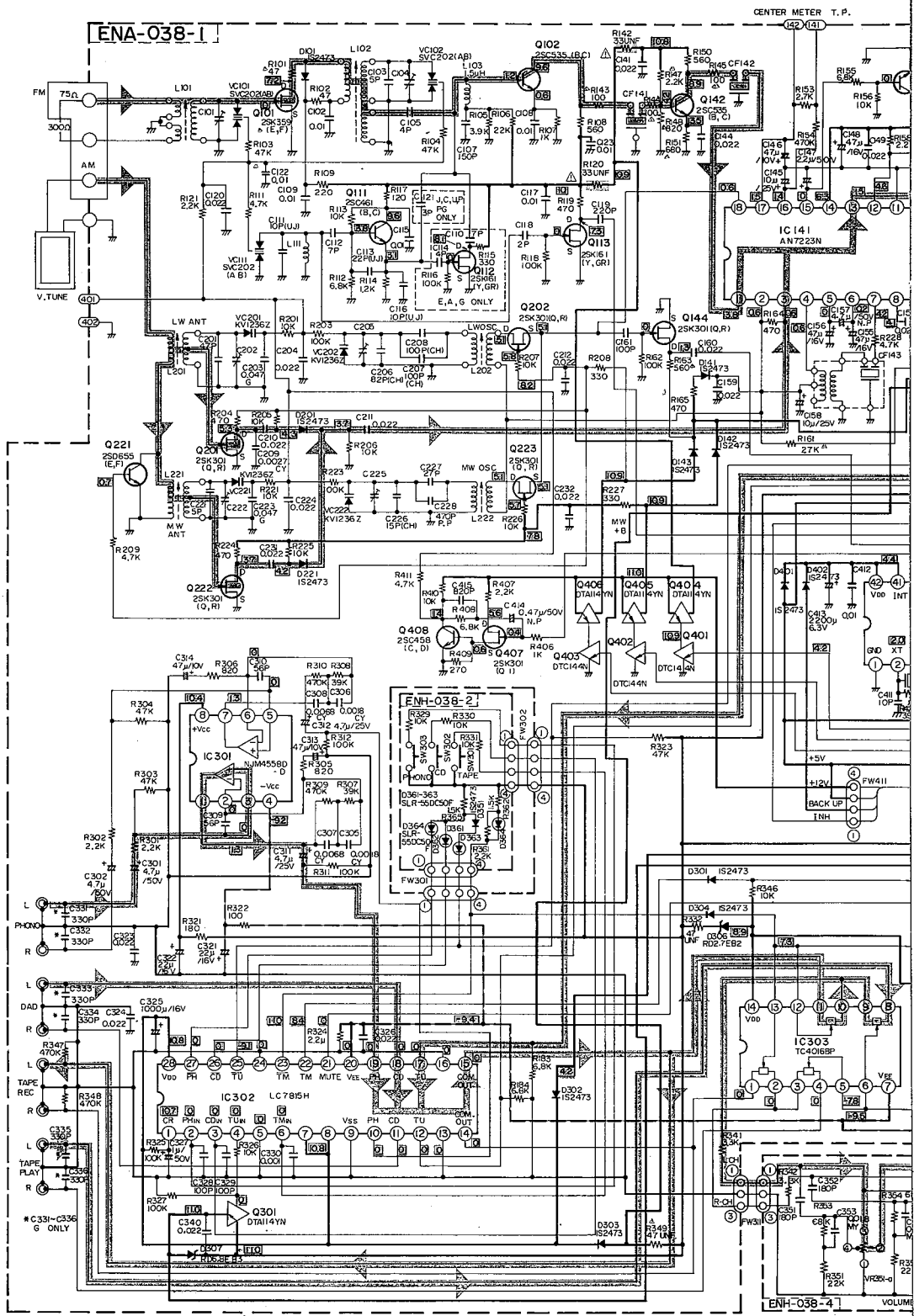
5. Block Diagram











- RESISTOR
NON MARK: 1/4W CARBON RESISTOR
UNF : UNFLAMMABLE RESISTOR
UNF.F. : FUSIBLE RESISTOR
- CAPACITOR
NON MARK: 50V CERAMIC CAPACITOR OR ELECTROLYTIC CAPACITOR
CY : 50V CERAMIC CAPACITOR (B)
G : 25V CERAMIC CAPACITOR (B)
MY : 50V MYLAR CAPACITOR
NP : NON POLA ELECTROLYTIC
PP : POLYPROPYLENE CAPACITOR

6-(2) RX-111LBK Tuner Section



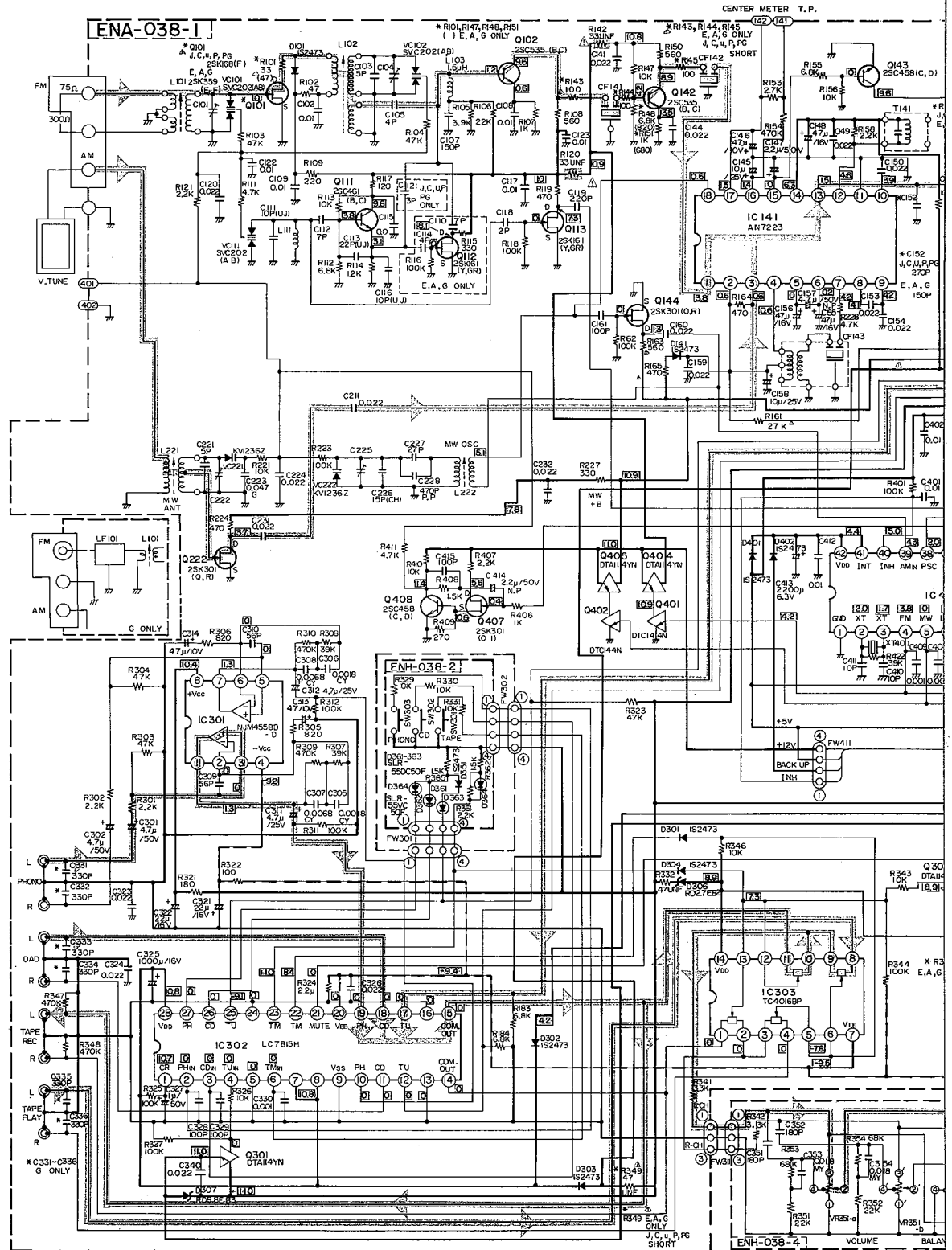
Notes:

1.  shows DC voltage to the chassis with no signal input.
2.  indicates positive B power supply.
3.  indicates negative B power supply.
4.  indicates signal path.

5. When replacing the parts in the darkened area (), those marked with  , be sure to use the des parts to ensure safety.
6. This is the standard circuit diagram. The design and contents are subject to change without notice.

6,RX-11BK/RX-11LBK Schematic Diagram

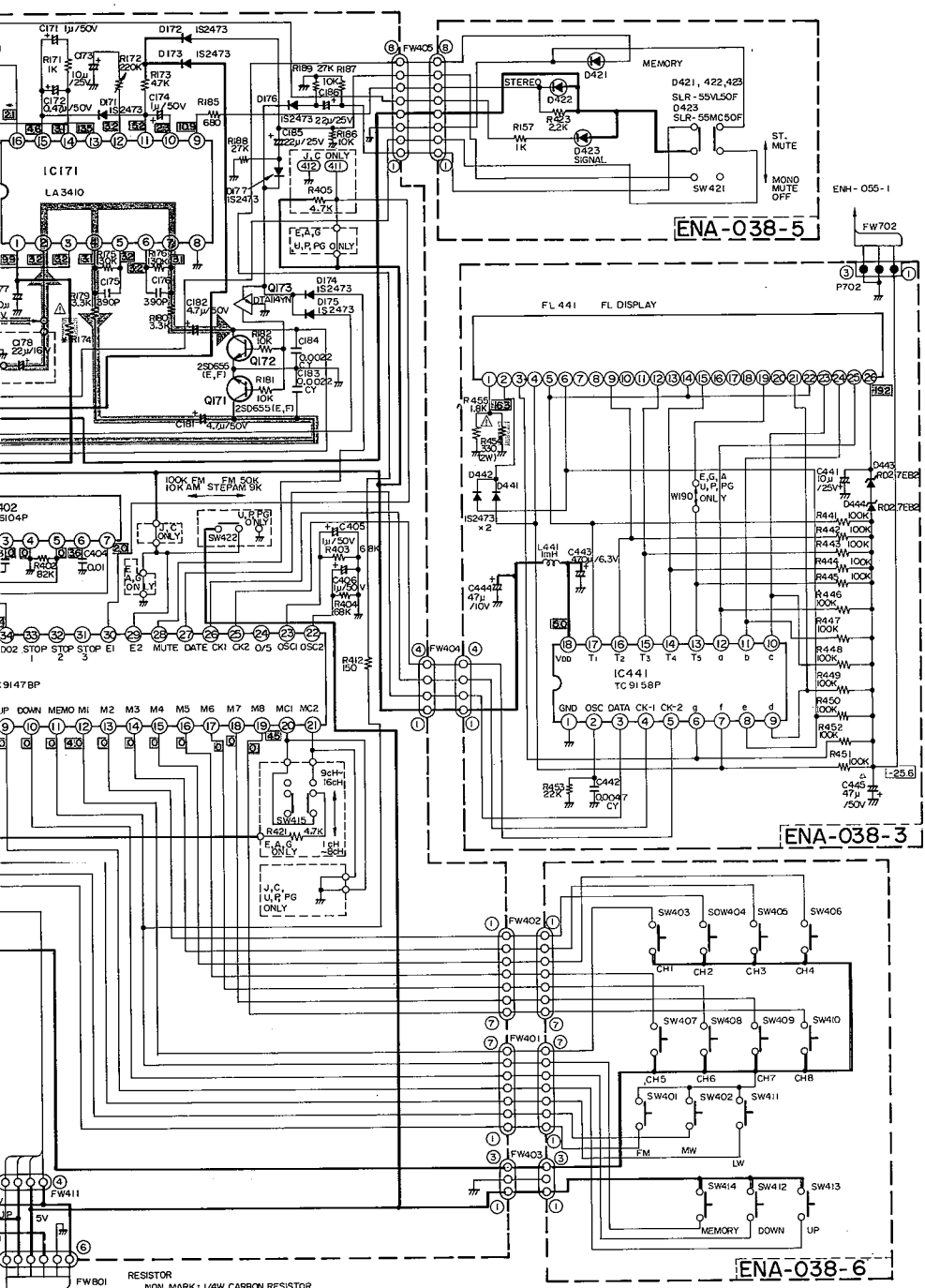
6-(1) RX-11BK Tuner Section



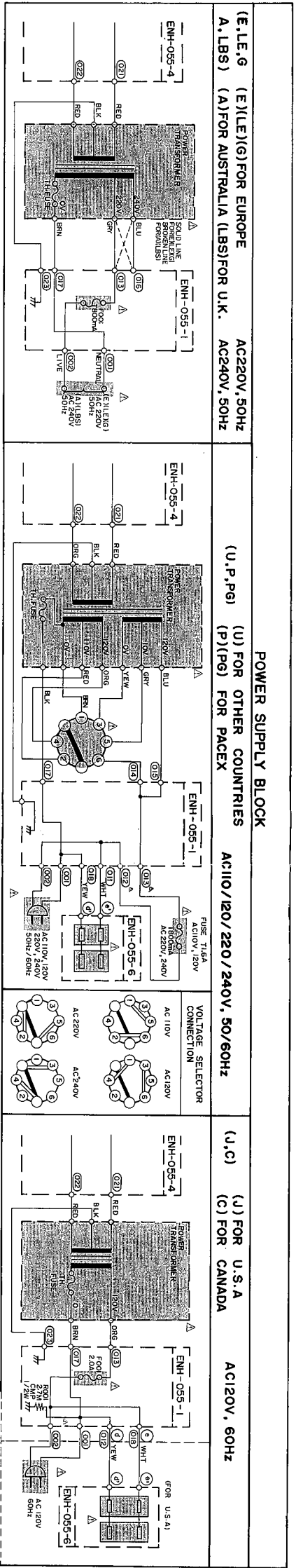
Notes:

1. shows DC voltage to the chassis with no signal input.
2. indicates positive B power supply.
3. indicates negative B power supply.
4. indicates signal path.

5. When replacing the parts in the darkened area () and those marked with , be sure to use the designated parts to ensure safety.
6. This is the standard circuit diagram. The design and contents are subject to change without notice.



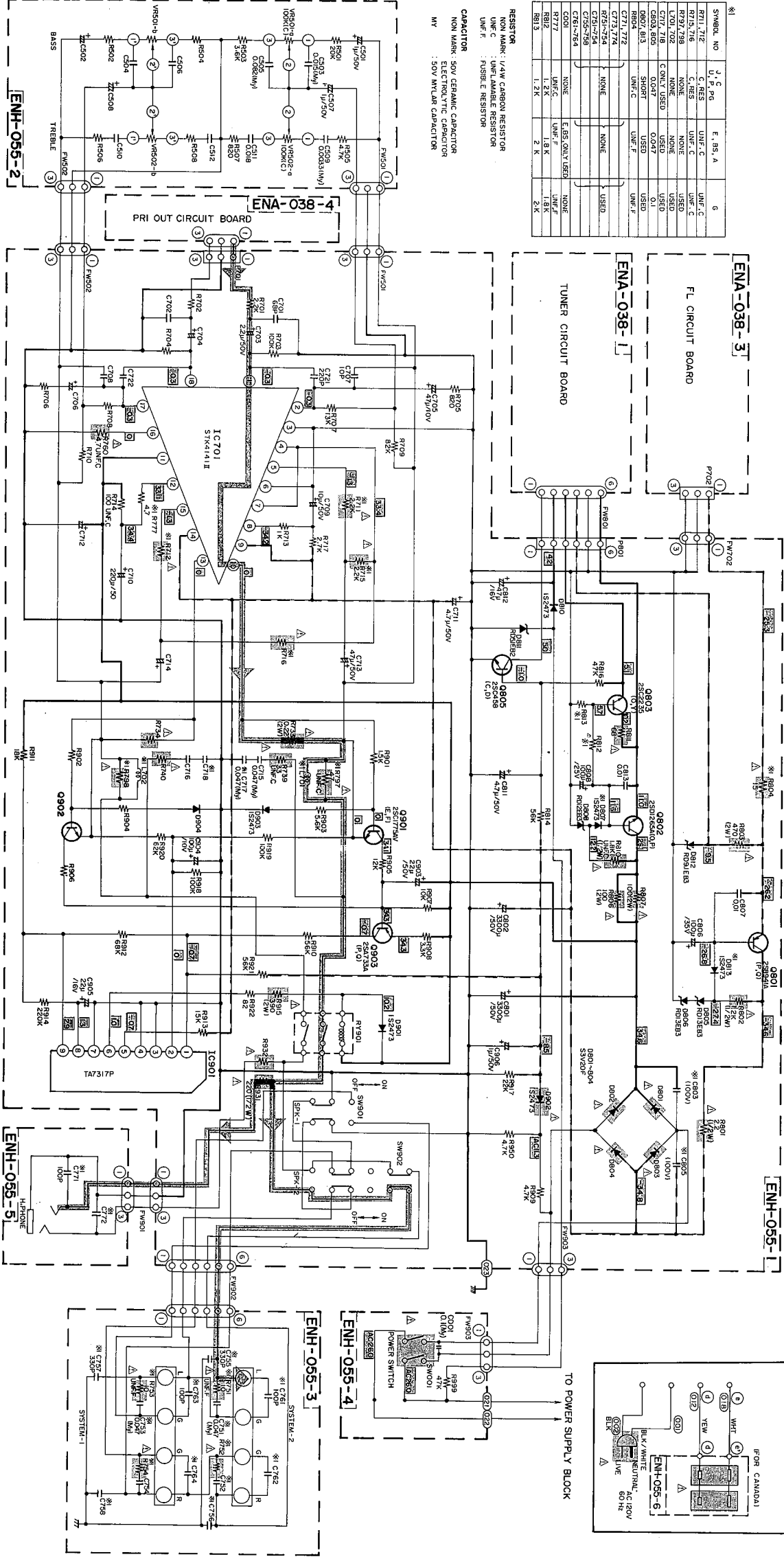
- RESISTOR
 NON MARK: 1/4W CARBON RESISTOR
 UNF : UNFLAMMABLE RESISTOR
 UNF.F : FUSIBLE RESISTOR
- CAPACITOR
 NON MARK: 50V CERAMIC CAPACITOR OR
 ELECTROLYTIC CAPACITOR
 CY : 50V CERAMIC CAPACITOR (B)
 G : 25V CERAMIC CAPACITOR (B)
 MY : 50V MYLAR CAPACITOR
 NP : NON POLA ELECTROLYTIC
 PP : POLYPROPYLENE CAPACITOR



SWGRBL. NO.	J. C. Pg.	E. BS, A	6
R711, 712	C. RES	UNF. C	UNF. C
R715, 716	C. RES	UNF. C	UNF. C
R737, 738	NONE	NONE	USED
L701, 702	C. ONLY USED	USED	USED
C803, 805	Q. I.	USED	USED
R807, 813	SHORT	USED	USED
R804	UNF. C	UNF. C	UNF. C
C721, 724	NONE	NONE	USED
R723, 724	NONE	NONE	USED
C755, 756	NONE	NONE	USED
C761, 764	NONE	NONE	USED
C801	NONE	E. BS. ONLY USED	NONE
R777	UNF. C	UNF. C	UNF. C
R812	L. 2K	1.8K	UNF. F
R813	L. 2K	2.2K	UNF. F

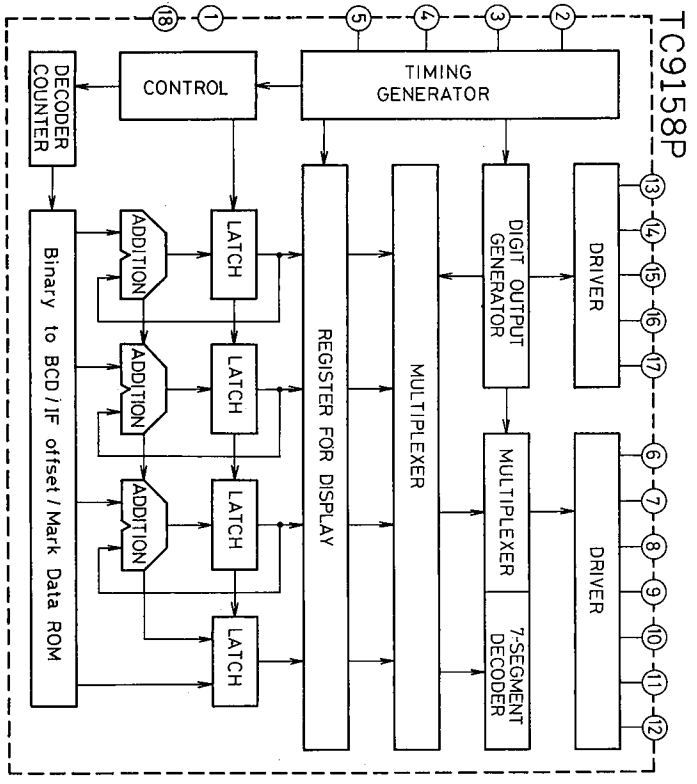
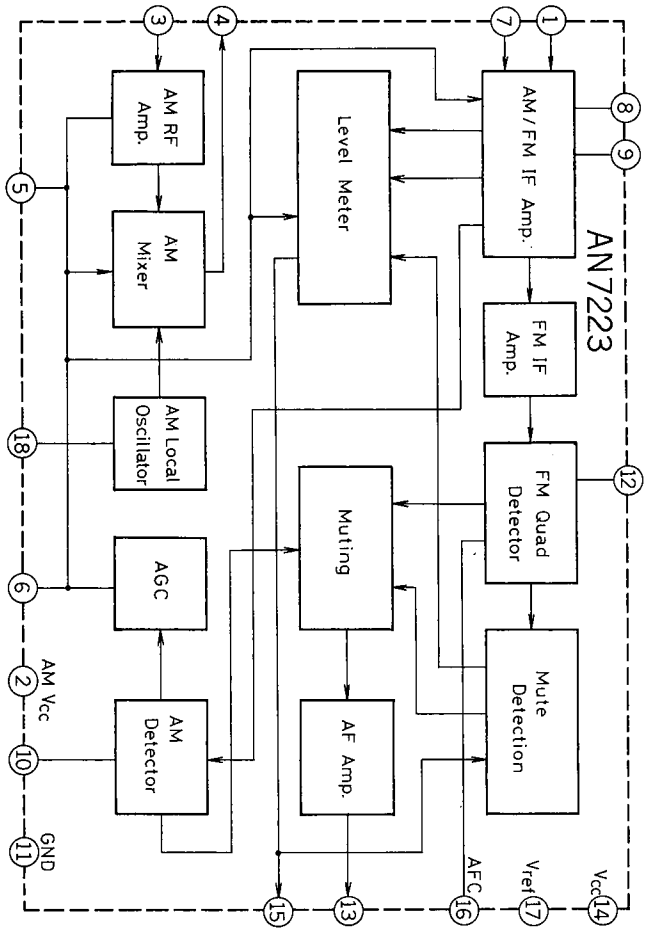
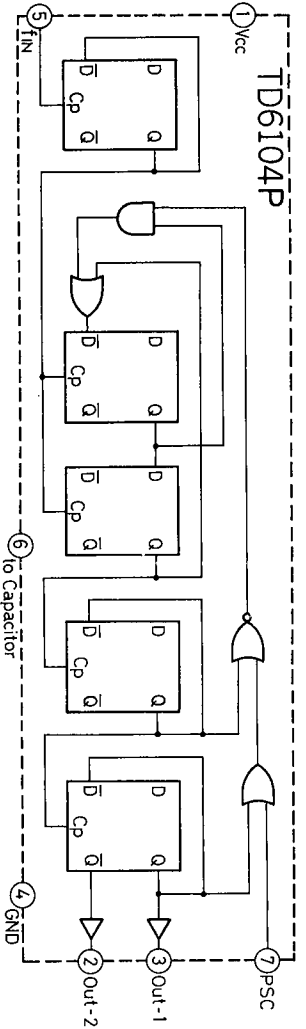
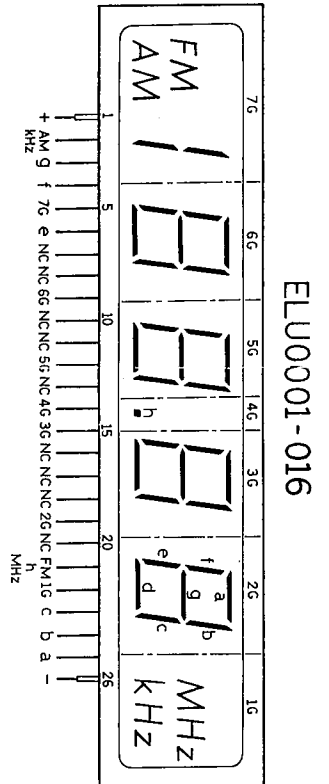
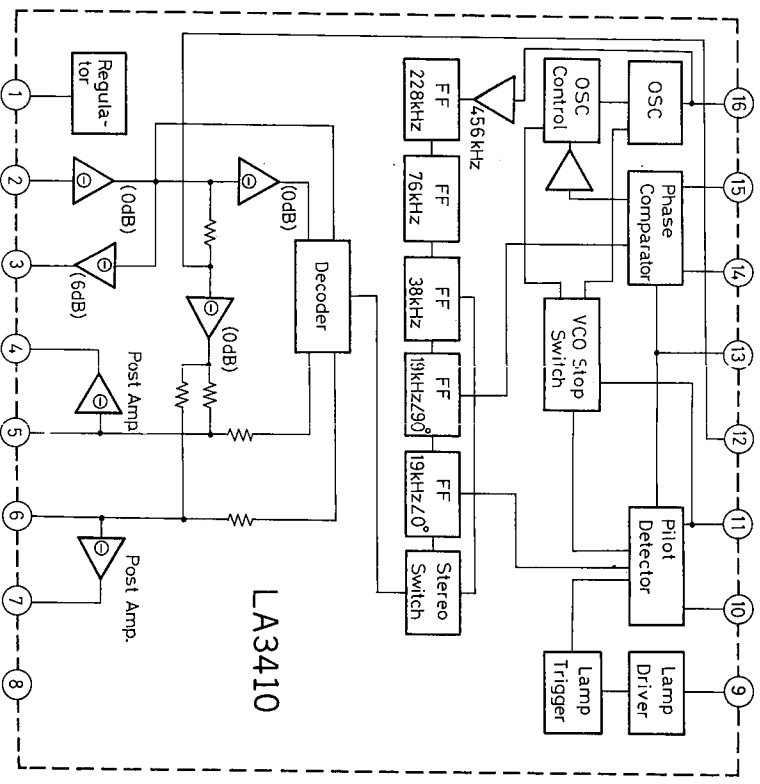
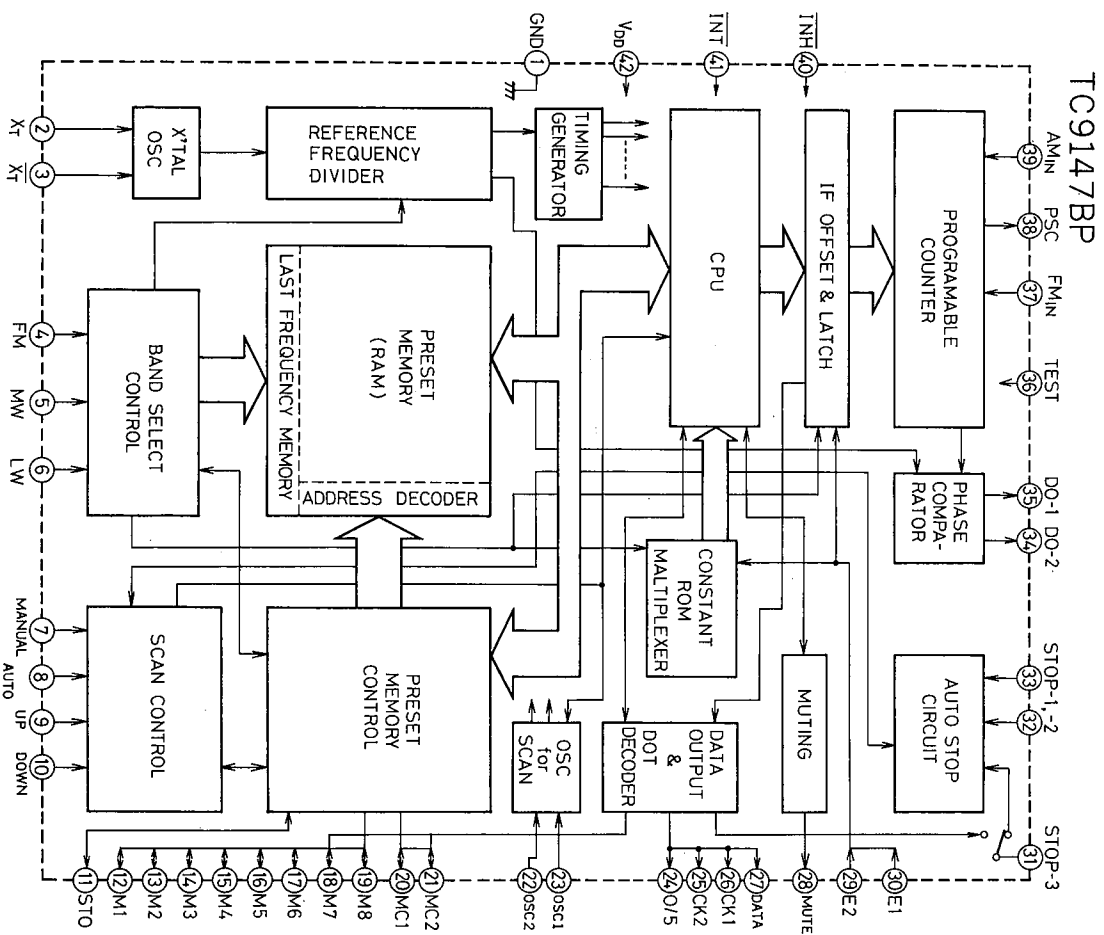
RESISTOR
NON MARK: 1/4W CARBON RESISTOR
UNF. C: UNFURNISHABLE RESISTOR
UNF. F: FUSIBLE RESISTOR

CAPACITOR
NON MARK: 50V CERAMIC CAPACITOR
UNF. C: UNFURNISHABLE CAPACITOR
MY: 50V MYLAR CAPACITOR



- Notes:**
- shows DC voltage to the chassis with no signal input.
 - indicates positive B power supply.
 - indicates negative B power supply.
 - indicates signal path.
 - When replacing the parts in the darkened area () and those marked with Δ , be sure to use the designated parts to ensure safety.
 - This is the standard circuit diagram.
 - The design and contents are subject to change without notice.

RX-111BK
RX-111LBK
RX-111BK
RX-111LBK



Transistors

ITEM	PART NUMBER	DESCRIPTION		AREA
			MAKER	
Q101	2SK168(F)	F.E.T	HITACHI	A
Q101	2SK168(F)	F.E.T	HITACHI	B
Q101	2SK359(E,F)	F.E.T	HITACHI	C
Q101	2SK359(E,F)	F.E.T	HITACHI	D
Q101	2SK359(E,F)	F.E.T	HITACHI	E
Q102	2SC535(B,C)	SILICON	HITACHI	
Q103	2SC461(C,D)	SILICON	HITACHI	E
Q111	2SC461(B,C)	SILICON	HITACHI	
Q112	2SK161(GR)	F.E.T	TOSHIBA	C
Q112	2SK161(GR)	F.E.T	TOSHIBA	D
Q112	2SK161(GR)	F.E.T	TOSHIBA	E
Q113	2SK161(GR)	F.E.T	TOSHIBA	
Q142	2SC535(B,C)	SILICON	HITACHI	
Q143	2SC458(C,D)	SILICON	HITACHI	
Q144	2SK301(Q,R)	F.E.T	MATSUSHITA	
Q171	2SD655(E,F)	SILICON	HITACHI	
Q172	2SD655(E,F)	SILICON	HITACHI	
Q173	DTA114YN	SILICON	ROHM	
Q201	2SK301(Q,R)	F.E.T	MATSUSHITA	D
Q202	2SK301(Q,R)	F.E.T	MATSUSHITA	D
Q221	2SD655(E,F)	SILICON	HITACHI	D
Q222	2SK301(Q,R)	F.E.T	MATSUSHITA	
Q223	2SK301(Q,R)	F.E.T	MATSUSHITA	D
Q301	DTA114YN	SILICON	ROHM	
Q302	DTA114YN	SILICON	ROHM	
Q401	DTC144EN	SILICON	ROHM	
Q402	DTC144EN	SILICON	ROHM	D
Q403	DTC144EN	SILICON	ROHM	
Q404	DTA114YN	SILICON	ROHM	
Q405	DTA114YN	SILICON	ROHM	
Q406	DTA114YN	SILICON	ROHM	D
Q407	2SK301(Q1)	F.E.T	MATSUSHITA	
Q408	2SC458(C,D)	SILICON	HITACHI	

ICs

ITEM	PART NUMBER	DESCRIPTION		AREA
			MAKER	
IC141	AN7223	I.C.	MATSUSHITA	
IC171	LA3410	I.C.	SANYO	
IC301	NJM4558D-D	I.C.		
IC302	LC7815H	I.C.	SANYO	
IC303	TC4016BP	I.C.	TOSHIBA	
IC401	TC9147BP	I.C.	TOSHIBA	
IC402	TD6104P	I.C.	TOSHIBA	
IC441	TC9158P	I.C.	TOSHIBA	

Diodes

ITEM	PART NUMBER	DESCRIPTION		AREA
			MAKER	
D101	1S5108	SILICON	HITACHI	E
D101	1S2473	SILICON	ROHM	A
D101	1S2473	SILICON	ROHM	B
D101	1S2473	SILICON	ROHM	C
D101	1S2473	SILICON	ROHM	D
D141	1S2473	SILICON	ROHM	
D142	1S2473	SILICON	ROHM	D
D143	1S2473	SILICON	ROHM	D
D171	1S2473	SILICON	ROHM	
D172	1S2473	SILICON	ROHM	
D173	1S2473	SILICON	ROHM	
D174	1S2473	SILICON	ROHM	
D175	1S2473	SILICON	ROHM	
D176	1S2473	SILICON	ROHM	
D177	1S2473	SILICON	ROHM	
D201	1S2473	SILICON	ROHM	D
D221	1S2473	SILICON	ROHM	D
D301	1S2473	SILICON	ROHM	
D302	1S2473	SILICON	ROHM	
D303	1S2473	SILICON	ROHM	
D304	1S2473	SILICON	ROHM	
D306	RD2.7EB2	ZENER	NEC	
D307	RD6.8EB3	ZENER	NEC	
D351	1S2473	SILICON	ROHM	
D361	SLR-55DC50F	L.E.D.	ROHM	

Diodes

ITEM	PART NUMBER	DESCRIPTION		AREA
			MAKER	
D362	SLR-55DC50F	L.E.D.	ROHM	
D363	SLR-55DC50F	L.E.D.	ROHM	
D364	SLR-55VC50F	L.E.D.	ROHM	
D401	1S2473	SILICON	ROHM	
D402	1S2473	SILICON	ROHM	
D421	SLR-55VC50F	L.E.D.	ROHM	
D422	SLR-55VC50F	L.E.D.	ROHM	
D423	SLR-55VC50F	L.E.D.	ROHM	
D441	1S2473	SILICON	ROHM	D
D442	1S2473	SILICON	ROHM	D
D443	RD2.7EB2	ZENER	NEC	
D444	RD2.7EB2	ZENER	NEC	
VC101	SVC202(AB)	VALICAP	SANYO	
VC102	SVC202(AB)	VALICAP	SANYO	
VC111	SVC202(AB)	VALICAP	SANYO	
VC201	KV1236Z	VALICAP	TOKO	D
VC202	KV1236Z	VALICAP	TOKO	D
VC221	KV1236Z	VALICAP	TOKO	
VC222	KV1236Z	VALICAP	TOKO	

Capacitors

ITEM	PART NUMBER	DESCRIPTION			AREA
C100	QCS21HJ-3R0	3.0PF	50V	CERAMIC	C
C100	QCS21HJ-3R0	3.0PF	50V	CERAMIC	D
C100	QCS21HJ-3R0	3.0PF	50V	CERAMIC	E
C101	QAT2001-001			TRIMMER	
C102	QCF21HP-103	0.01MF	50V	CERAMIC	
C103	QCS21HJ-5R0	5.0PF	50V	CERAMIC	
C104	QAT2001-001			TRIMMER	
C105	QCS21HJ-2R0	2.0PF	50V	CERAMIC	E
C105	QCS21HJ-4R0	4.0PF	50V	CERAMIC	A
C105	QCS21HJ-4R0	4.0PF	50V	CERAMIC	B
C105	QCS21HJ-4R0	4.0PF	50V	CERAMIC	C
C105	QCS21HJ-4R0	4.0PF	50V	CERAMIC	D
C107	QCS21HJ-151	150PF	50V	CERAMIC	
C108	QCF21HP-103	0.01MF	50V	CERAMIC	
C109	QCF21HP-103	0.01MF	50V	CERAMIC	
C110	QCS21HJ-7R0	7.0PF	50V	CERAMIC	C
C110	QCS21HJ-7R0	7.0PF	50V	CERAMIC	D
C110	QCS21HJ-7R0	7.0PF	50V	CERAMIC	E
C111	QCT26UJ-100	10PF	50V	CERAMIC	
C112	QCS21HJ-7R0	7.0PF	50V	CERAMIC	
C113	QCT26UJ-220	22PF	50V	CERAMIC	
C114	QCS21HJ-4R0	4.0PF	50V	CERAMIC	C
C114	QCS21HJ-4R0	4.0PF	50V	CERAMIC	D
C114	QCS21HJ-4R0	4.0PF	50V	CERAMIC	E
C115	QCF21HP-103	0.01MF	50V	CERAMIC	
C116	QCT26UJ-100	10PF	50V	CERAMIC	
C117	QCF21HP-103	0.01MF	50V	CERAMIC	
C118	QCS21HJ-2R0	2.0PF	50V	CERAMIC	
C119	QCS21HJ-221	220PF	50V	CERAMIC	
C120	QCF21HP-223	0.022MF	50V	CERAMIC	
C121	QCS21HJ-3R0	3.0PF	50V	CERAMIC	A
C121	QCS21HJ-3R0	3.0PF	50V	CERAMIC	B
C122	QCF21HP-103	0.01MF	50V	CERAMIC	
C123	QCF21HP-103	0.01MF	50V	CERAMIC	
C124	QET51EM-106	10MF	25V	ELECTRO	E
C131	QETB1EM-106	10MF	25V	ELECTRO	E
C141	QCF21HP-223	0.022MF	50V	CERAMIC	
C144	QCF21HP-223	0.022MF	50V	CERAMIC	
C145	QET51EM-106	10MF	25V	ELECTRO	
C146	QET51AM-476	47MF	10V	ELECTRO	
C147	QET51HM-225	2.2MF	50V	ELECTRO	
C148	QET51CM-476	47MF	16V	ELECTRO	
C149	QCF21HP-223	0.022MF	50V	CERAMIC	
C150	QCF21HP-223	0.022MF	50V	CERAMIC	
C151	QET51EM-106	10MF	25V	ELECTRO	
C152	QCS21HJ-151	150PF	50V	CERAMIC	C
C152	QCS21HJ-151	150PF	50V	CERAMIC	D
C152	QCS21HJ-151	150PF	50V	CERAMIC	E
C152	QCS21HJ-271	270PF	50V	CERAMIC	A
C152	QCS21HJ-271	270PF	50V	CERAMIC	B
C153	QCF21HP-223	0.022MF	50V	CERAMIC	
C154	QCF21HP-223	0.022MF	50V	CERAMIC	
C155	QET51CM-476	47MF	16V	ELECTRO	
C156	QET51EM-106	10MF	25V	ELECTRO	
C157	QEN51HM-475	4.7MF	50V	NON POLE	

3. Printed Circuit Board Ass'y and Parts List

3-(1) ENA-038□ Tuner P. C. Board Ass'y

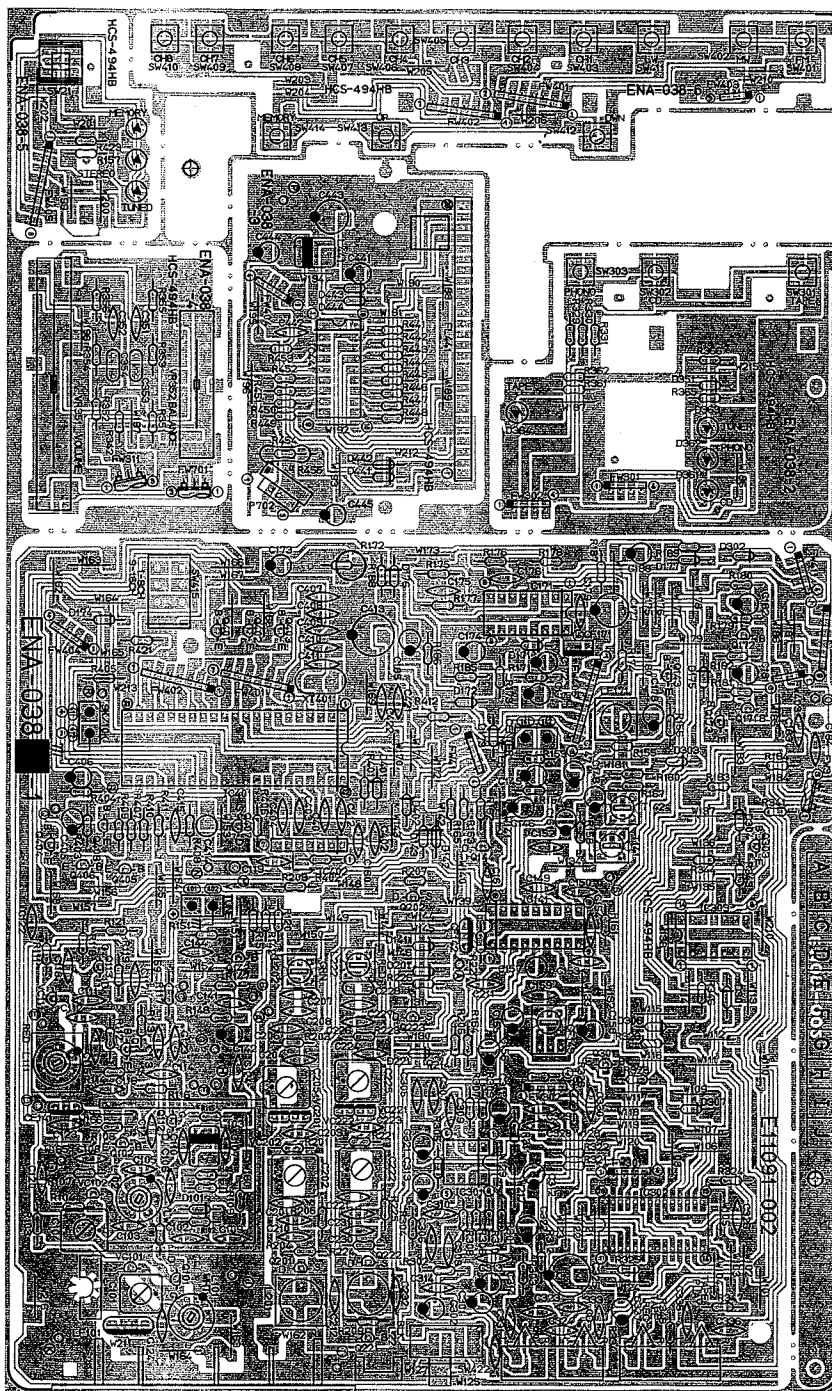
Note: ENA-038□ varies according to the areas employed. See note (1) when placing an order.

Note (1)

P.C. Board Ass'y	Designated Aseas
ENA-038 A	U.S.A. & Canada
ENA-038 B	U.S. Military & Other Countries
ENA-038 C	Europe & Australia
ENA-038 D	Europe & U.K. with LW
ENA-038 E	West Germany

Note (2)

The symbols (赤、黒、白 etc.) on P.C. Board surface are factory process only.



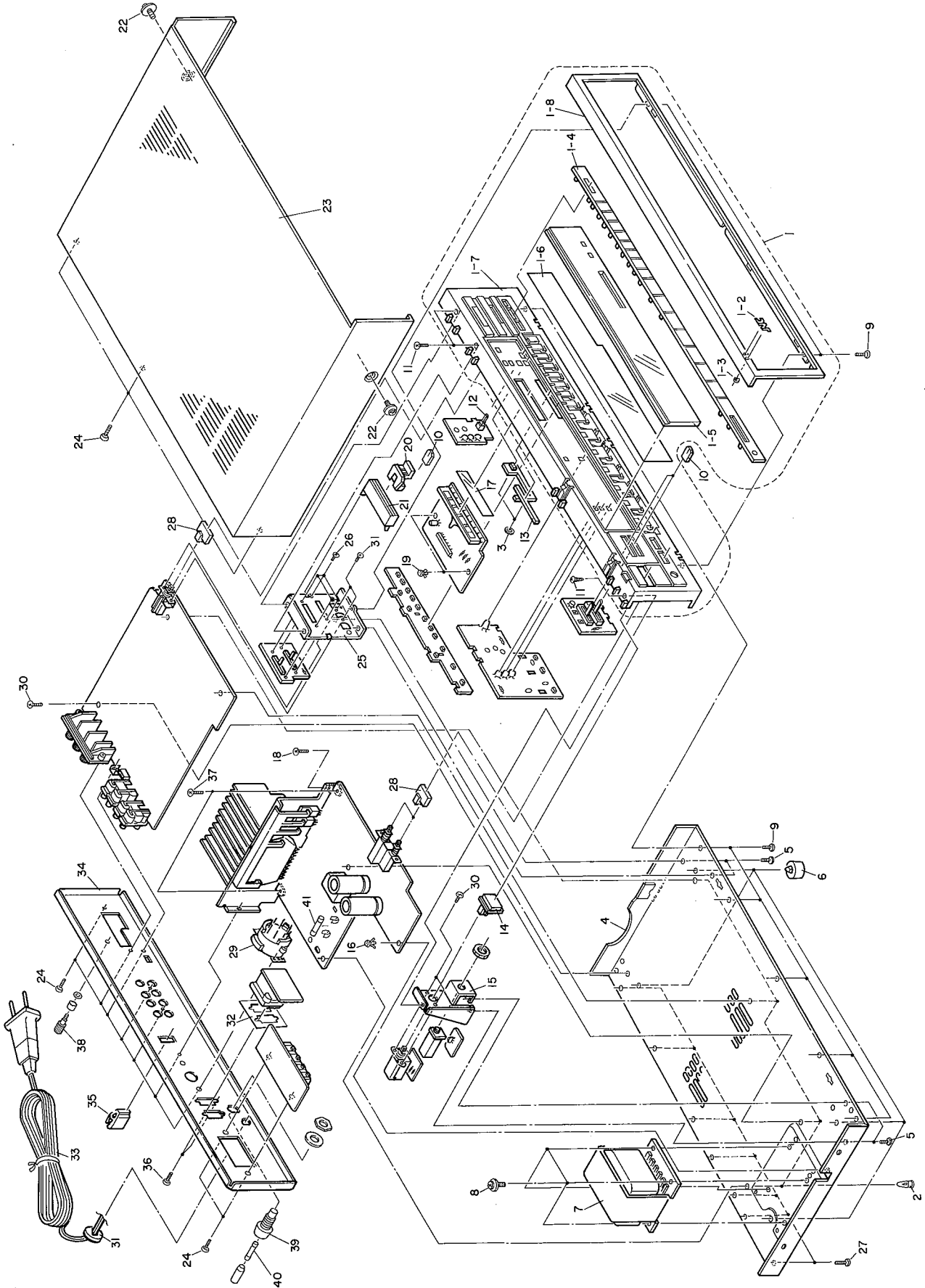
Item	Part Number	Part Name	Q'ty	Description	Areas
1	EFP-RX111BK	Front Panel Ass'y	1		Except LE, LBS
	EFP-RX111LKB	Front Panel Ass'y	1		LE, LBS
1-2	E72968-001	JVC Mark	1		
1-3	E60912-003	Speed Nut	1		
1-4	E24942-014	Front Plate	1		E, G, A
	E24942-015	Front Plate	1		LE, LBS
	E24942-016	Front Plate	1		J, C, U, P, PG
1-5	E303676-005	Window Screen	1		
1-6	E303678-005	Indicator Sheet	1		
1-7	E11083-003	Front Base	1		Except LE, LBS
	E11083-004	Front Base	1		LE, LBS
1-8	E24940-011	Front Panel	1		Except LE, LBS
	E24940-012	Front Panel	1		LE, LBS
2	E303216-003	Fastener	4		
3	E60912-003	Speed Nut	2		
	E10949-005	Chassis Base	1		
5	SBSB3006N	Screw	4		
6	E301258-002	Foot	4		
7	ETP1070-16JA	Power Transformer	1		J
	ETP1070-16CA	Power Transformer	1		C
	ETP1070-16FA	Power Transformer	1		U, P, PG
	ETP1070-16EA	Power Transformer	1		E, G, A, LE
	ETP1070-16EABS	Power Transformer	1		LBS
8	E65389-002	Ass'y Screw	4		
9	SBSF3008M	Screw	7		
10	E72113-001	Slide Knob	3		
11	SBSB3008N	Screw	3		
12	E72089-001	Push Knob	1		
13	E72090-001	Push Knob	1		
14	E72355-001	Push Knob	1		
15	E72091-003	Bracket	1		
16	E48729-008	Plastic Rivet	1		
17	E70561-004	FL Screen	1		
18	SBST3006Z	Screw	1		
19	E48729-007	Plastic Rivet	2		
20	E303680-001	Slide Knob	1		
21	E303681-002	Volume Escutcheon	1		
22	E61660-004	Screw	4		
23	E24633-003	Metal Cover	1		
24	SBSB3008M	Screw	12		
25	E72097-001	Bracket	1		
26	E70053-001	Screw	4		
27	SBSB3006M	Screw	7		
28	E71268-002	Push Knob	2		
29	QSR0085-008U	Voltage Selector	1		U, P, PG
30	SBST3006Z	Screw	5		
31	QHS3876-162	Cord Stopper	1		Except LBS
	QHS3876-162BS	Cord Stopper	1		LBS
32	E69589-006	Spacer	1		J
33	QMP1340-200	Power Cord	1		J, C
	QMP3900-200	Power Cord	1		E, LE, G
	QMP2560-244	Power Cord	1		A
	QMP7600-200	Power Cord	1		U, P, PG
	QMP9017-008BS	Power Cord	1		LBS
34	E24944-010	Rear Panel	1		J, C
	E24944-011	Rear Panel	1		U, P, PG
	E24944-012	Rear Panel	1		E, LE, A, LBS
	E24944-013	Rear Panel	1		G
35	E302334-001	Antenna Holder	1		
36	SDSB3008M	Screw	2		J, C, U, P, PG
37	SBSB3006M	Screw	2		
38	E70078-001	GND. Terminal	1		
39	QMG0301-003	Fuse Holder	1		U, P, PG
40	QMF51A2-T1R6S	Fuse	1		P
	QMF51A2-R80S	Fuse	1		U, PG
41	QMF61U1-2R0	Fuse	1		J, C
	QMF51A2-R80S	Fuse	1		E, LE, A, G
	QMF51E2-R80SBS	Fuse	1		LBS

△ Safety parts

The Marks for Designated Areas

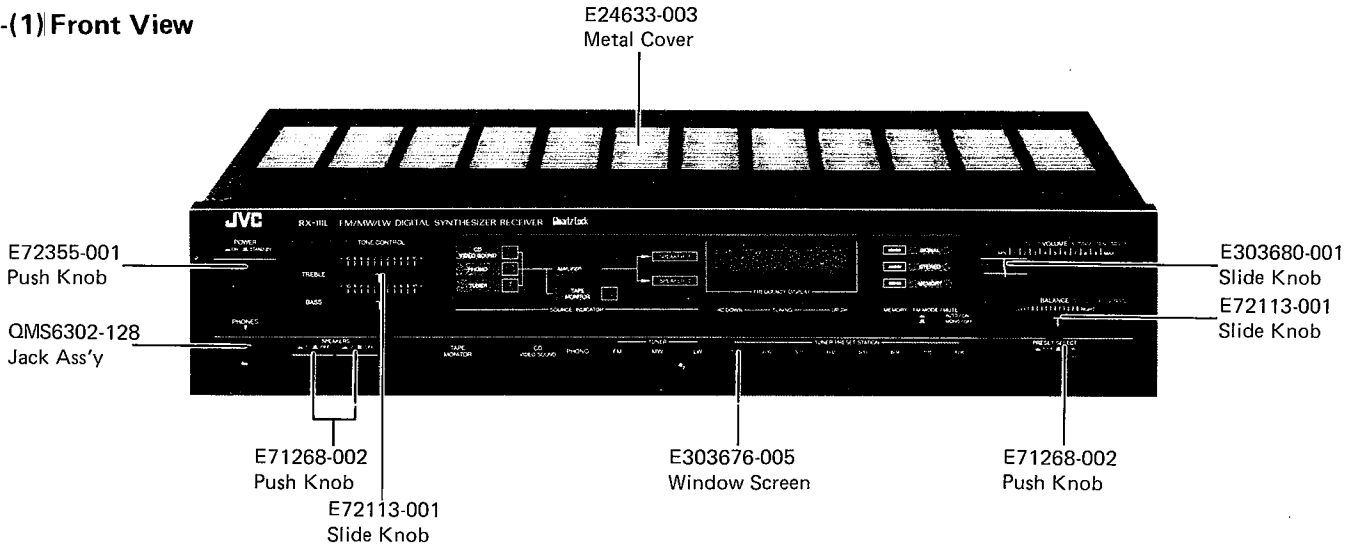
J U.S.A. E, LE Europe LBS U.K.
 C Canada G West Germany U Other Countries
 A Australia P, PG U.S. Military Market

2. Exploded Views and Part Numbers

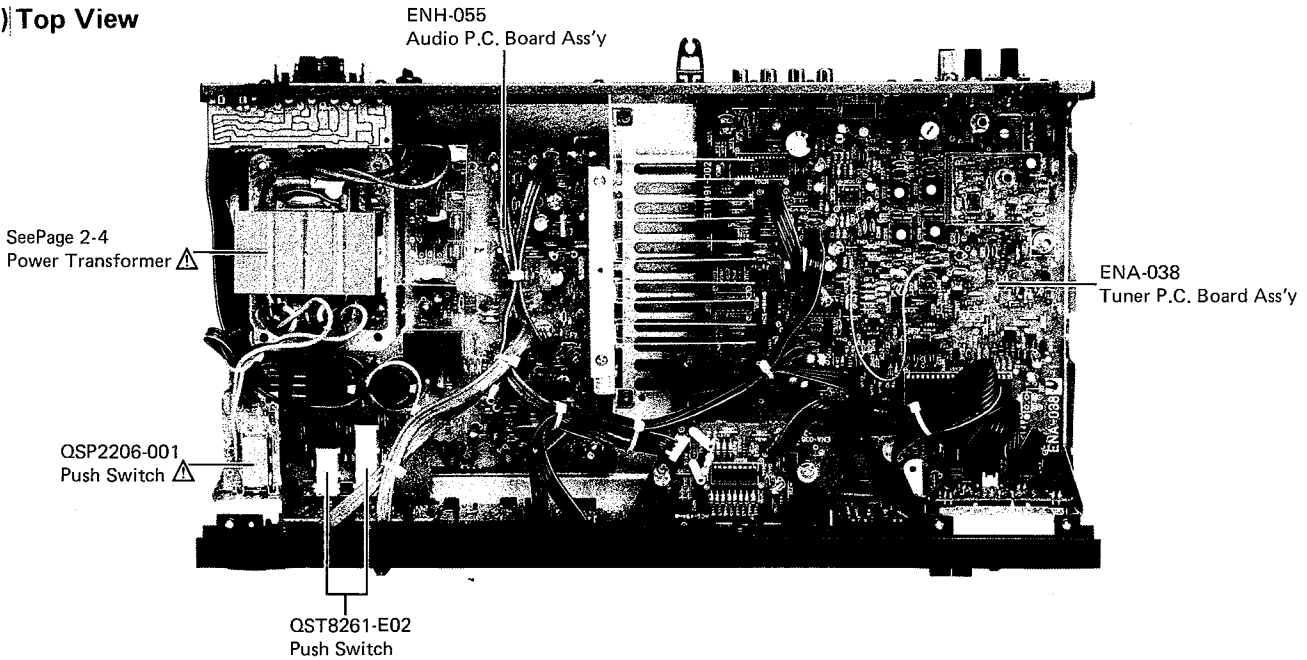


1. Main Parts Loca

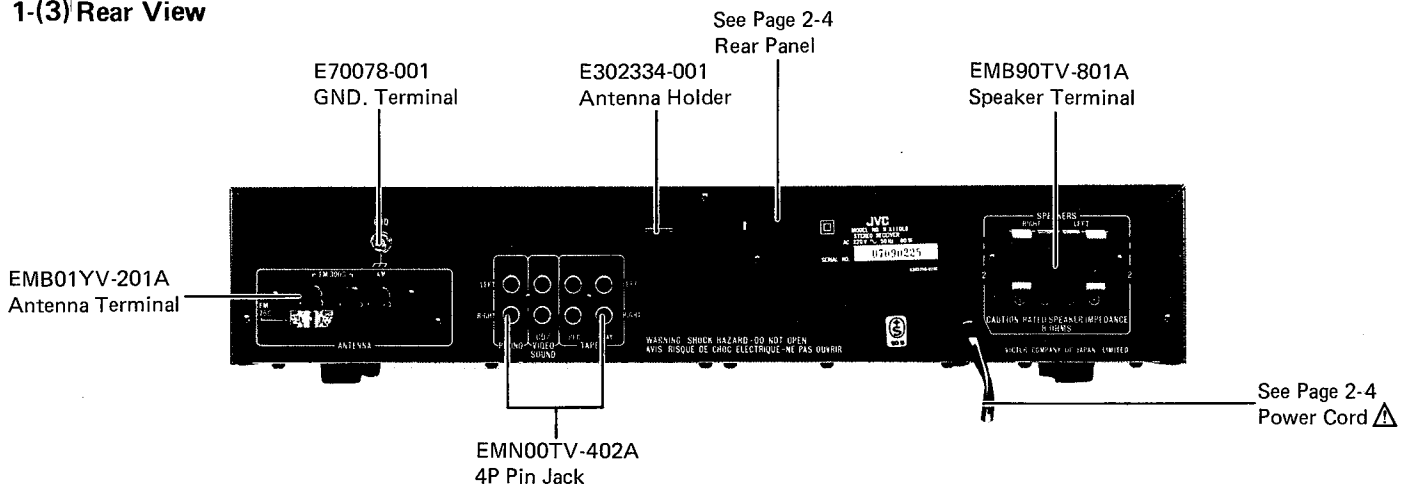
1-(1) Front View



1-(2) Top View



1-(3) Rear View



PARTS LIST

Contents

1. Main Parts Locations	2-2
1-(1) Top View	2-2
1-(2) Front View	2-2
1-(3) Rear View	2-2
2. Exploded View and Part Numbers	2-3
3. Printed Circuit Board Ass'y and Parts List	2-5
3-(1) ENA-038□ Tuner P.C. Board Ass'y	2-5
3-(2) ENH-055□ Audio P.C. Board Ass'y	2-10
4. Packing Materials and Part Numbers	2-13
5. Accessories List	2-13

Resistors

ITEM	PART NUMBER	DESCRIPTION	AREA
△ R711	QRD145J-222S	2.2K 1/4W UNF. CARBON	LBS
△ R711	QRD145J-222S	2.2K 1/4W UNF. CARBON	M
△ R711	QRD145J-222S	2.2K 1/4W UNF. CARBON	N
△ R711	QRD148J-222S	2.2K 1/4W CARBON	I
△ R711	QRD148J-222S	2.2K 1/4W CARBON	J
△ R712	QRD145J-222S	2.2K 1/4W UNF. CARBON	K
△ R712	QRD145J-222S	2.2K 1/4W UNF. CARBON	LBS
△ R712	QRD145J-222S	2.2K 1/4W UNF. CARBON	M
△ R712	QRD145J-222S	2.2K 1/4W UNF. CARBON	N
△ R712	QRD148J-222S	2.2K 1/4W CARBON	I
△ R712	QRD148J-222S	2.2K 1/4W CARBON	J
△ R713	QRD148J-102S	1K 1/4W CARBON	
△ R714	QRD145J-101S	100 1/4W UNF. CARBON	I
△ R714	QRD145J-101S	100 1/4W UNF. CARBON	J
△ R714	QRD146J-101S	100 1/4W UNF. C. RESI	K
△ R714	QRD146J-101S	100 1/4W UNF. C. RESI	LBS
△ R714	QRD146J-101S	100 1/4W UNF. C. RESI	M
△ R714	QRD146J-101S	100 1/4W UNF. C. RESI	N
△ R715	QRD145J-222S	2.2K 1/4W UNF. CARBON	K
△ R715	QRD145J-222S	2.2K 1/4W UNF. CARBON	LBS
△ R715	QRD145J-222S	2.2K 1/4W UNF. CARBON	M
△ R715	QRD145J-222S	2.2K 1/4W UNF. CARBON	N
△ R715	QRD148J-222S	2.2K 1/4W CARBON	I
△ R715	QRD148J-222S	2.2K 1/4W CARBON	J
△ R716	QRD145J-222S	2.2K 1/4W UNF. CARBON	K
△ R716	QRD145J-222S	2.2K 1/4W UNF. CARBON	LBS
△ R716	QRD145J-222S	2.2K 1/4W UNF. CARBON	M
△ R716	QRD145J-222S	2.2K 1/4W UNF. CARBON	N
△ R716	QRD148J-222S	2.2K 1/4W CARBON	I
△ R716	QRD148J-222S	2.2K 1/4W CARBON	J
△ R717	QRD148J-272S	2.7K 1/4W CARBON	
△ R733	QRX022J-R22AM	0.22 2W M. FILM	
△ R734	QRX022J-R22AM	0.22 2W M. FILM	
△ R739	QRD145J-330S	33 1/4W UNF. CARBON	
△ R740	QRD145J-330S	33 1/4W UNF. CARBON	
△ R751	QRZ0062-100	10 1/4W FUSIBLE	M
△ R752	QRZ0062-100	10 1/4W FUSIBLE	M
△ R753	QRZ0062-100	10 1/4W FUSIBLE	M
△ R754	QRZ0062-100	10 1/4W FUSIBLE	M
△ R760	QRD145J-4R7S	4.7 1/4W UNF. CARBON	I
△ R777	QRD145J-4R7S	4.7 1/4W UNF. CARBON	J
△ R777	QRD145J-4R7S	4.7 1/4W UNF. CARBON	I
△ R777	QRZ0061-4R7	4.7 FUSIBLE	K
△ R777	QRZ0061-4R7	4.7 FUSIBLE	LBS
△ R777	QRZ0061-4R7	4.7 FUSIBLE	M
△ R777	QRZ0061-4R7	4.7 FUSIBLE	N
△ R797	QRD145J-470S	47 1/4W UNF. CARBON	M
△ R798	QRD145J-470S	47 1/4W UNF. CARBON	M
△ R801	QRD125J-2R2	2.2 1/2W UNF. CARBON	
△ R802	QRD125J-122	1.2K 1/2W UNF. CARBON	
△ R803	QRG022J-471AM	470 2W O. M. FILM	
△ R804	QRD145J-150S	15 1/4W UNF. CARBON	I
△ R804	QRD145J-150S	15 1/4W UNF. CARBON	J
△ R804	QRZ0062-150	15 1/4W FUSIBLE	K
△ R804	QRZ0062-150	15 1/4W FUSIBLE	LBS
△ R804	QRZ0062-150	15 1/4W FUSIBLE	M
△ R804	QRZ0062-150	15 1/4W FUSIBLE	N
△ R806	QRG022J-101AM	100 2W O. M. FILM	I
△ R806	QRG022J-101AM	100 2W O. M. FILM	J
△ R806	QRG026J-101AF	100 2W O. M. FILM	K
△ R806	QRG026J-101AF	100 2W O. M. FILM	LBS
△ R806	QRG026J-101AF	100 2W O. M. FILM	M
△ R806	QRG026J-101AF	100 2W O. M. FILM	N
△ R807	QRG022J-101AM	100 2W O. M. FILM	I
△ R807	QRG022J-101AM	100 2W O. M. FILM	J
△ R807	QRG026J-101AF	100 2W O. M. FILM	K
△ R807	QRG026J-101AF	100 2W O. M. FILM	LBS
△ R807	QRG026J-101AF	100 2W O. M. FILM	M
△ R807	QRG026J-101AF	100 2W O. M. FILM	N
△ R810	QRD125J-182	1.8K 1/2W UNF. CARBON	
△ R811	QRD145J-680S	68 1/4W UNF. CARBON	
△ R812	QRD148J-122S	1.2K 1/4W CARBON	I
△ R812	QRD148J-122S	1.2K 1/4W CARBON	J
△ R812	QRD148J-182S	1.8K 1/4W CARBON	K
△ R812	QRD148J-182S	1.8K 1/4W CARBON	LBS
△ R812	QRD148J-182S	1.8K 1/4W CARBON	M
△ R812	QRD148J-182S	1.8K 1/4W CARBON	N
△ R813	QRD148J-122S	1.2K 1/4W CARBON	I
△ R813	QRD148J-122S	1.2K 1/4W CARBON	J
△ R813	QRD148J-122S	1.2K 1/4W CARBON	K
△ R813	QRD148J-202S	2K 1/4W CARBON	LBS
△ R813	QRD148J-202S	2K 1/4W CARBON	M
△ R813	QRD148J-202S	2K 1/4W CARBON	N
△ R814	QRD148J-563S	56K 1/4W CARBON	
△ R816	QRD148J-473S	47K 1/4W CARBON	

△ Safety parts

Resistors

ITEM	PART NUMBER	DESCRIPTION	AREA
R901	QRD148J-152S	1.5K 1/4W CARBON	
R902	QRD148J-152S	1.5K 1/4W CARBON	
R903	QRD148J-562S	5.6K 1/4W CARBON	
R904	QRD148J-562S	5.6K 1/4W CARBON	
R905	QRD148J-123S	12K 1/4W CARBON	
R906	QRD148J-123S	12K 1/4W CARBON	
R907	QRD148J-103S	10K 1/4W CARBON	
R908	QRD148J-332S	3.3K 1/4W CARBON	
R909	QRD148J-472S	4.7K 1/4W CARBON	
R910	QRD148J-563S	56K 1/4W CARBON	
R911	QRD148J-183S	18K 1/4W CARBON	
R912	QRD148J-683S	68K 1/4W CARBON	
R913	QRD148J-153S	15K 1/4W CARBON	
R914	QRD148J-224S	220K 1/4W CARBON	
△ R915	QRG022J-391AM	390 2W O. M. FILM	
R917	QRD148J-223S	22K 1/4W CARBON	
R918	QRD148J-104S	100K 1/4W CARBON	
R919	QRD148J-104S	100K 1/4W CARBON	
R920	QRD148J-823S	82K 1/4W CARBON	
R921	QRD148J-563S	56K 1/4W CARBON	
R922	QRD148J-820S	82 1/4W CARBON	
△ R931	QRD125J-221	220 1/2W UNF. CARBON	
△ R932	QRD125J-221	220 1/2W UNF. CARBON	
R950	QRD148J-472S	4.7K 1/4W CARBON	
R999	QRD148J-473S	47K 1/4W CARBON	
VR501	QVUB01C-E15B	VARIABLE	
VR502	QVUB01C-E15B	VARIABLE	

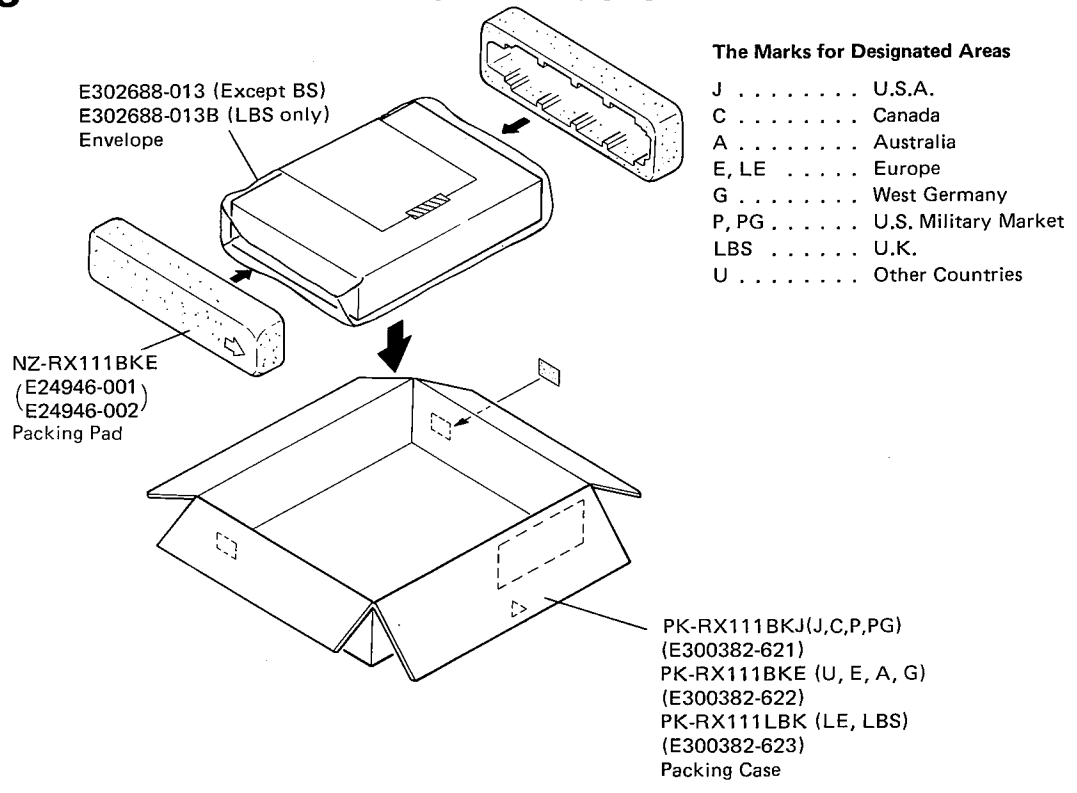
△ Safety parts

Others

ITEM	PART NUMBER	DESCRIPTION	AREA
	EMB90TV-801A	SPK. TERMINAL	
	EMG7331-001	FUSE CLIP	K
	EMG7331-001	FUSE CLIP	LBS
	EMG7331-001	FUSE CLIP	M
	EMG7331-001	FUSE CLIP	N
	E11088-001	CIRCUIT BOARD	I
	E11088-001	CIRCUIT BOARD	J
	E11088-001	CIRCUIT BOARD	K
	E11088-001	CIRCUIT BOARD	M
	E11088-001	CIRCUIT BOARD	N
	E11088-001BS	CIRCUIT BOARD	LBS
	E303213-001	HEAT SINK	
	E45524-002	FUSE CLIP	I
	E48269-001	SPACER	K
	E48269-001	SPACER	LBS
	E48269-001	SPACER	M
	E48269-001	SPACER	N
	E65508-002	TAB	
	E65654-001	SPACER	K
	E65654-001	SPACER	LBS
	E65654-001	SPACER	M
	E65654-001	SPACER	N
	E67764-102	TERMINAL ASSY	
	E67764-102	TERMINAL ASSY	
	E67764-102	TERMINAL ASSY	I
	E67764-102	TERMINAL ASSY	J
	E67764-202	TERMINAL	I
	E67764-202	TERMINAL	K
	E67764-202	TERMINAL	LBS
	E67764-202	TERMINAL	M
	E67764-202	TERMINAL	N
	E70225-001	EARTH PLATE	M
	E70859-001	EARTH PLATE	
	E71140-001	SPRING	
△	QMC0437-002	AC SOCKET	J
△	QMC0440-001	AC SOCKET	I
	SBSB3008Z	SCREW	
	SBSE3008Z	SCREW	
L701	EQL0001-R45	INDUCTOR	M
L702	EQL0001-R45	INDUCTOR	M
P701	E04365-003	SOCKET ASSY	
P801	E04365-006	6P CONNECTOR	
P901	QMS6302-128	JACK ASSY	
RY901	ESK5D24-218	RELAY	
SW001	QSP2206-001	PUSH SWITCH	
SW901	QST8261-E02	PUSH SWITCH	
SW902	QST8261-E02	PUSH SWITCH	

△ Safety parts

I. Packing Materials and Part Numbers



II. Accessories List

Part Number	Part Name	Description	Areas
E30580-1295A E30580-1295ABS BT20025H BT20048B BT20029C	Instruction Book Instruction Book Warranty Card Warranty Card Warranty Card		Except. LBS LBS only C P, PG, J A
BT20064 BT20060 BT20071A BT20046B BT20066	Warranty Card Warranty Card Service Center Service Information Card EEC Agency		G BS C, J J, P, PG G, LBS
BT20054-009A BT20044E E66416-003 E35497-013 E35497-015	FTZ Information Sheet Safety Instruction Envelope Caution Sheet Caution Sheet	110V 220V	G J J P U, PG
E03614-004 E67007-001 EQB4001-002 E04056 QMF51A2-1R6S	Bit-in Antenna Wire Antenna Ass'y Bar Antenna Coil Siemens Plug Fuse		Except G G U, PG U, PG
QMF51A2-R80 QPGA005-00703 E41202-2 E41202-2B	Fuse Envelope Envelope Envelope		P U, P, PG Except LBS LBS

△ Safety parts

RX-111BK
RX-111LBK

394

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SERVICE MANUAL

MODEL No. **RX-150BK/RX-150LBK**



This unit is almost the same as the RX-111BK/RX-111LBK. The differences are listed herein. When using this Service Manual, refer to the previously published RX-111BK/RX-111LBK Service Manual (No. 2871, Nov. 1985).

Note: The marks for Designated Areas

J U.S.A.	E, LE Europe
C Canada	LBS U.K.
A Australia	P, PG U.S. Military Market
G West Germany	U Other Countries

No mark indicates all areas.

New Parts

1. Printed Circuit Board Ass'y and Parts List

Refer to page 2-10 in the RX-111BK/LBK Service Manual.

Parts Name	Item No.	Parts Number		Areas
		RX-111BK/LBK	RX-150BK/LBK	
Audio PCB Ass'y		ENH-055H	ENH-092A	J
		ENH-055I	ENH-092B	C
		ENH-055J	ENH-092C	U, P, PG
		ENH-055K	ENH-092D	E, LE
		ENH-055L	ENH-092E	LBS
		ENH-055M	ENH-092F	G
		ENH-055N	ENH-092G	A
Headphone Jack	P901	QMS6302-128	QMS6302-131	

2. Exploded View Parts List

Refer to page 2-3 in the RX-111BK/LBK Service Manual.

Parts Name	Item No.	Parts Number		Areas
		RX-111BK/LBK	RX-150BK/LBK	
Front Panel Ass'y	1	-----	EFP-RX150BKJ	J, C, U, P, PG
		EFP-RX111BKE	EFP-RX150BKE	E, A, G
		EFP-RX111LBKE	EFP-RX150LBKE	LE, LBS
Front Plate	1-4	E24942-014	E24942-017	E, A, G
		E24942-015	E24942-018	LE, LBS
		E24942-016	E24942-019	J, C, U, P, PG
Window Screen	1-5	E303676-005	E303676-006	
Indicator Sheet	1-6	E303678-005	E303678-006	
Front Base	1-7	E11083-003	E11083-005	J, C, U, P, PG, E, A, G
		E11083-004	E11083-006	LE, LBS
Front Panel	1-8	E24940-011	E24940-013	J, C, U, P, PG, E, A, G
		E24940-012	E24940-014	LE, LBS
Metal Cover	23	E24633-003	E24633-005	
Rear Panel	34	E24944-010	E24944-014	J, C
		E24944-011	E24944-015	U, P, PG
		E24944-012	E24944-016	E, A, LE, LBS
		E24944-013	E24944-017	G

3. Packing Materials Parts List

Refer to page 2-13 in the RX-111BK/LBK Service Manual.

Parts Name	Item No.	Parts Number		Areas
		RX-111BK/LBK	RX-150BK/LBK	
Packing Case	1	PK-RX111BKJ (E300382-621)	PK-RX150BKJ (E300382-711)	J, C, P, PG
		PK-RX111BKE (E300382-622)	PK-RX150BKE (E300382-712)	U, E, A, G
		PK-RX111LBK (E300382-623)	PK-RX150LBK (E300382-713)	LE, LBS

4. Accessories Parts List

Refer to page 2-13 in the RX-111BK/LBK Service Manual.

Parts Name	Parts Number		Areas
	RX-111BK/LBK	RX-150BK/LBK	
Instruction Book	E30580-1295A	E30580-1369A	J, C, U, P, PG, E, A, G, LE
	E30580-1295ABS	E30580-1369ABS	LBS

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