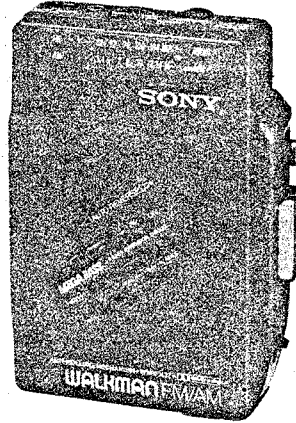


WM-FX37

SERVICE MANUAL

Canadian Model
AEP Model
UK Model
E Model



Model Name Using Similar Mechanism	WM-F2068, FX36
Tape Transport Mechanism Type	MT-WM-2051-43

SPECIFICATIONS

Radio FM: 87.6—107 MHz (Germany and Saudi Arabia),
87.5—108 MHz (Italy), 87.6—107.9 MHz (Other countries)
AM: 526.5—1,606.5 kHz (Italy), 530—1,605 kHz (Saudi Arabia),
531—1,602 kHz (Other countries)

Power requirements 3 V DC batteries R6 (AA) x 2
External DC 3 V power sources


	Battery life (Approximate hours)	
	Playback	Radio
Sony Alkaline AM3 (N)	11 hrs.	50 hrs.
Sony SUM-3 (NS)	4 hrs.	30 hrs.

Accessories supplied Stereo headphones (1) Belt clip (1)
Optional accessories AC power adaptor AC-D2L
Car battery cord DCC-70
Stereo active speaker system SRS-38, SRS-58

Your dealer may not handle some of the above listed accessories. Please ask the dealer for detailed information.

Design and specifications subject to change without notice.

Note
This appliance conforms with EEC Directive 87/308 EEC regarding interference suppression.

Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
"DOLBY" and the double-D symbol  are trademarks of Dolby Laboratories Licensing Corporation.

External power sources

You can connect the following external power sources through the DC IN 3V jack (bottom). Only use the recommended accessories with your Walkman.

- House current using an AC-D2L AC power adaptor
- 12 V car battery using a DCC-70 car battery cord
- Two R20 (size D) batteries using an EBP-500B battery case

The illustration shows the polarity of DC IN 3 V jack.
Only use power cords with the same polarity.



RADIO CASSETTE PLAYER

SONY®

SECTION 1
GENERAL

This section is extracted from instruction manual.

WALKMAN

MEGA BASS
2X BASS EXPANSION CIRCUIT

For heavy and powerful sound.
För tungt och kraftfullt ljud.
Para sintoner sonda profunda y potente.
Para som profunda e potente.
Zur Anhebung der Bässe und Hören
Voor krachtige bas en hoogovergave.
För djupa och kraftfulla ljud.
Per un suono profondo e potente.

Check the correct
Compartimento de Cassettes
Compartimento de Cassettes
Compartimento de Cassettes
Compartimento de Cassettes
Compartimento de Cassettes

Check the correct
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Compartimento de Cassettes

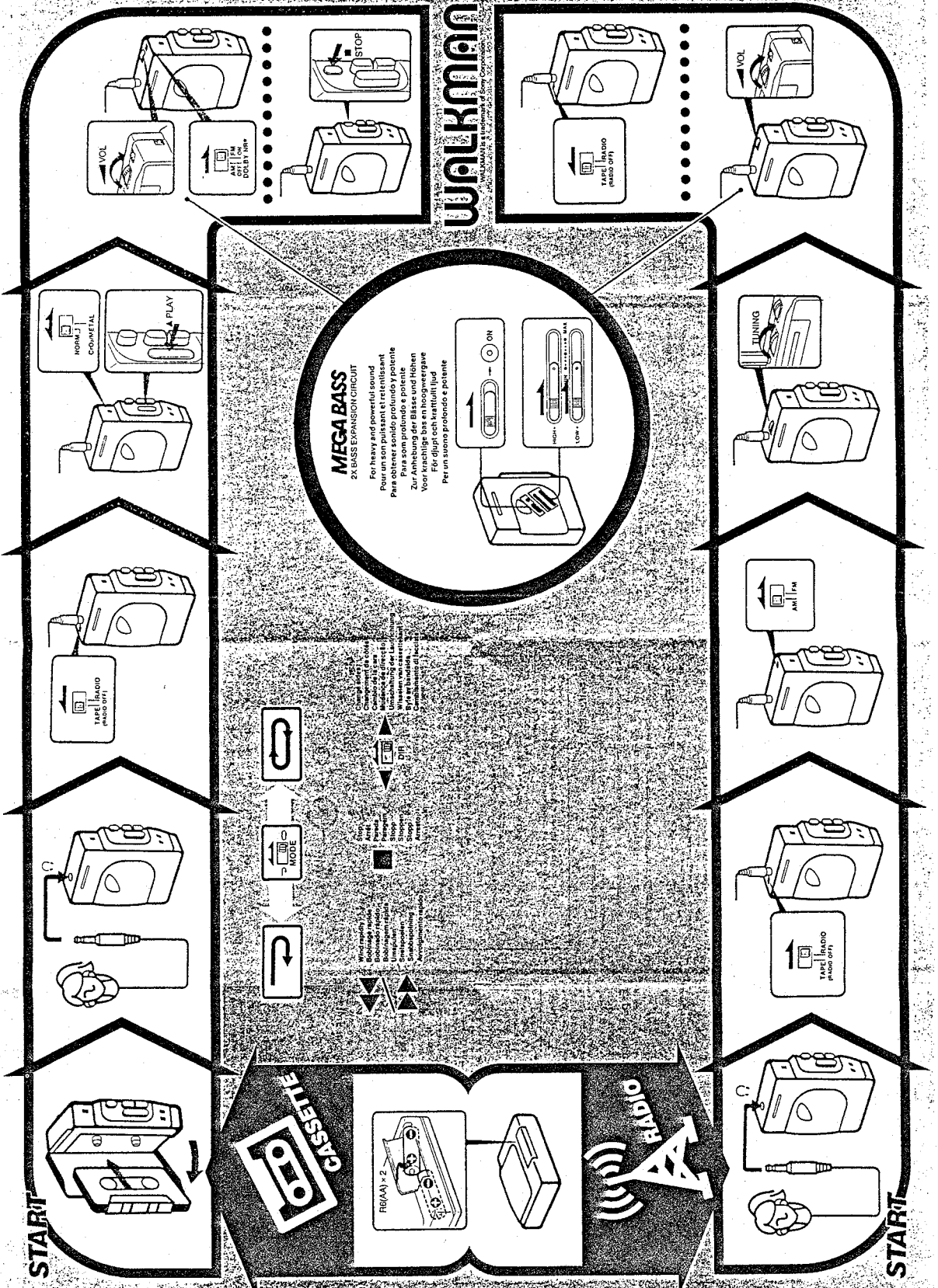


TABLE OF CONTENTS

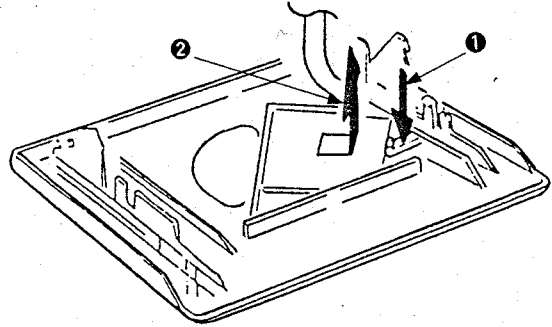
Section	Title	Page
1. GENERAL	2
2. DISASSEMBLY	3
3. ADJUSTMENTS		
3-1. Mechanical Adjustment	6
3-2. Electrical Adjustment	6
4. DIAGRAMS		
4-1. Block Diagram	9
4-2. Printed Wiring Board	11
4-3. Schematic Diagram	15
5. EXPLODED VIEWS		
5-1. Main Section	19
5-2. Mechanism Section	20
6. ELECTRICAL PARTS LIST	21

SECTION 2
DISASSEMBLY

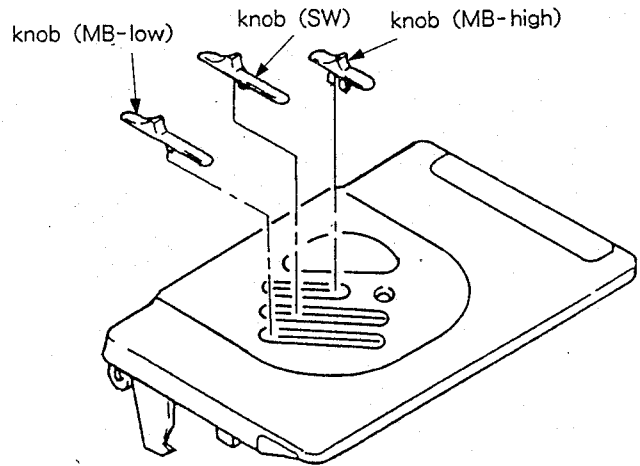
Note:

-Follow the removal procedure in the numerical order given.

MB BOARD

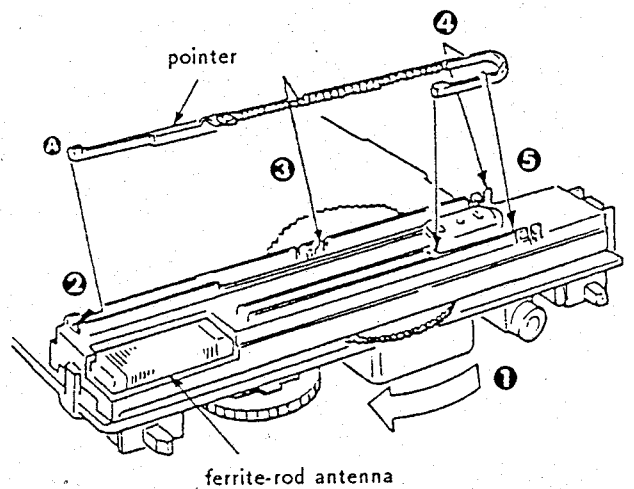


(Caution on instaling)

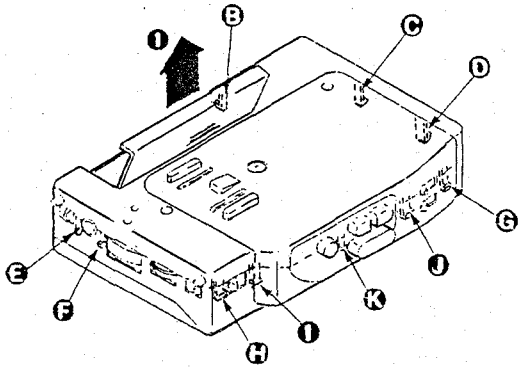


Dial pointer setting

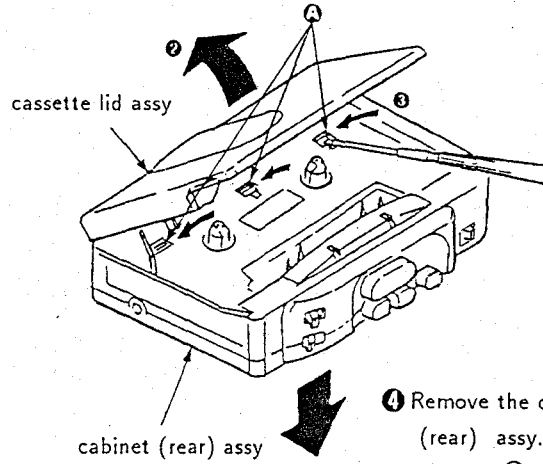
- ① The knob (TUN) fully turned to the direction of arrow
- ② Insert the ① position of pointer to the ditch of left edge
- ③ Hook the pointer to numerical order of number ④, ④ and ⑤



Cabinet (rear) assy



- Insert the precision screw driver (1.4mm flat-blade) in to the slit at claw **A** and release the claw.

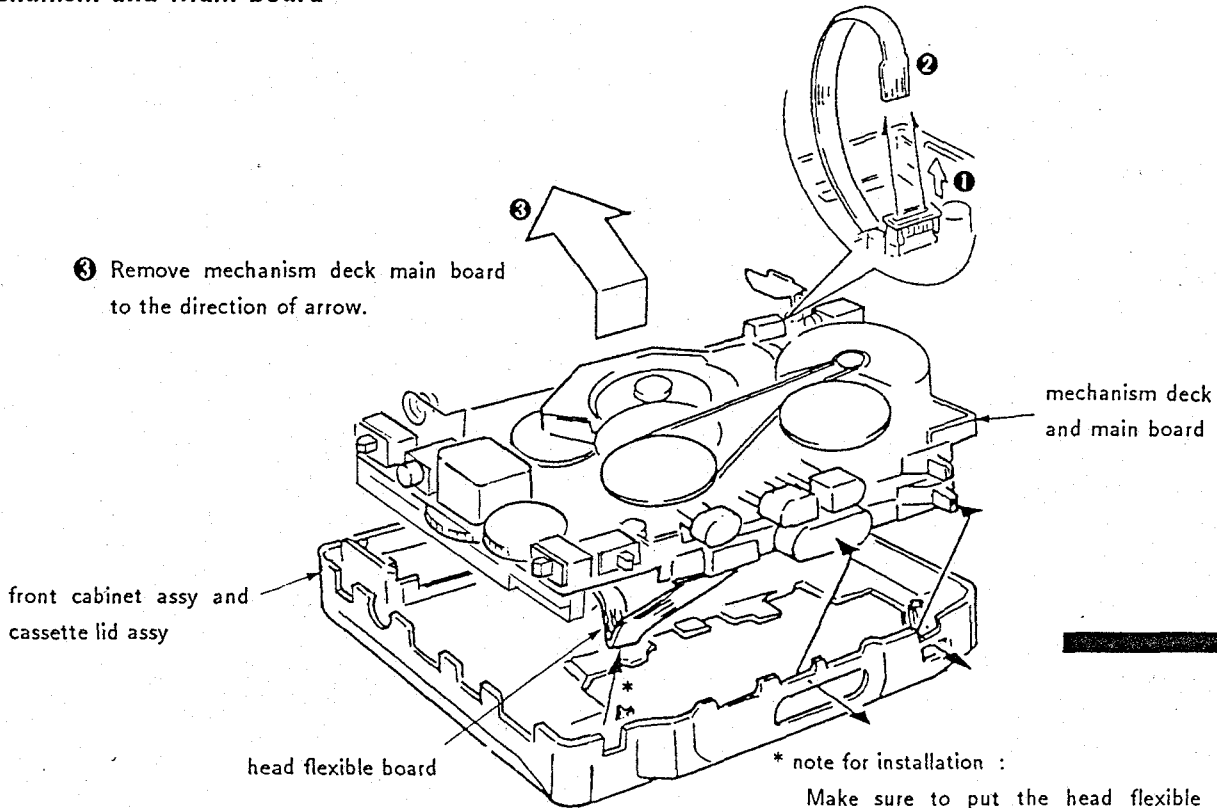


- Remove the cabinet (rear) assy. (Release all claw **B** to **K** in alphabetical order.)



Mechanism and Main board

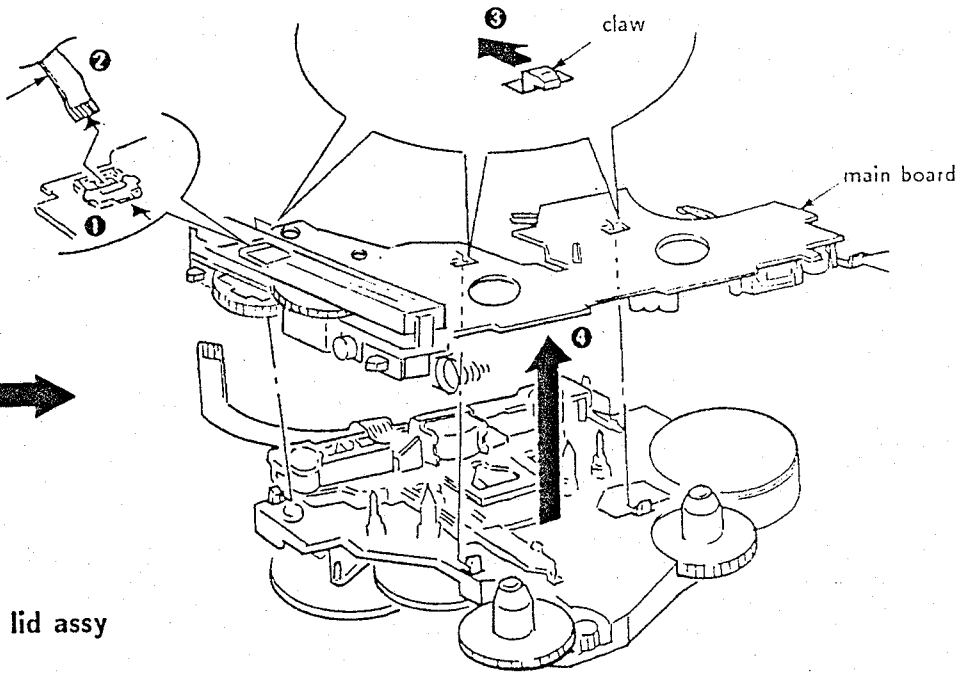
- Remove mechanism deck main board to the direction of arrow.



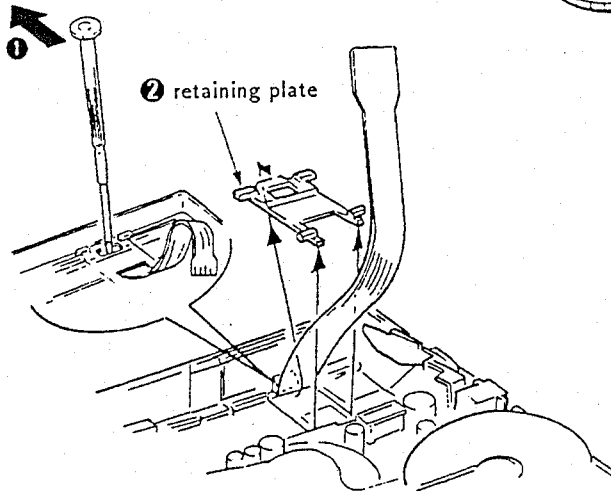
* note for installation :
Make sure to put the head flexible board to ditch before install the mechanism deck and main board.

Main board

head flexible board

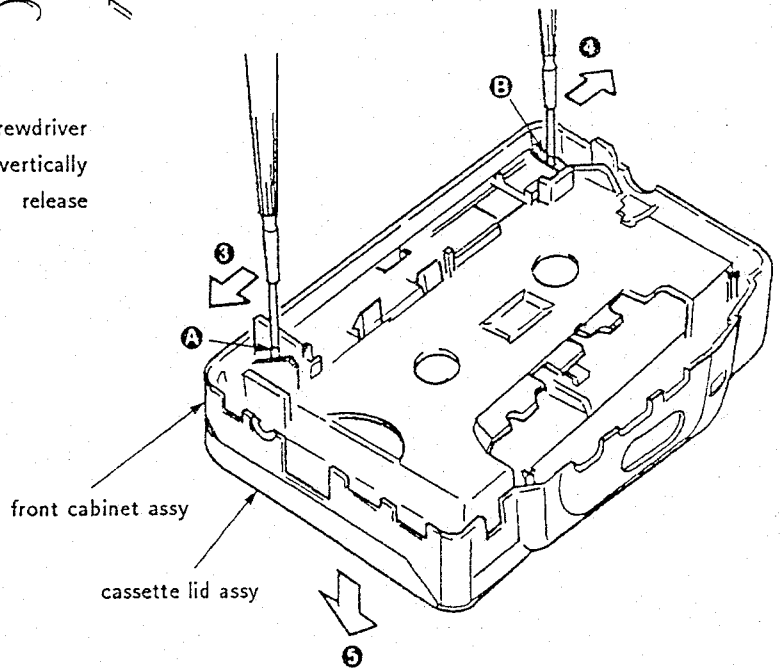


Cassette lid assy



4 Portion 3 to release the hinge plate

3 Insert a precision screwdriver (1.4mm flat-blade) vertically in to portion 4 to release the hinge plate.



SECTION 3 ADJUSTMENTS

3-1. MECHANICAL ADJUSTMENTS

Precaution

1. Clean the following parts with a denatured-alcohol-moistened swab :

playback head	pinch roller
capstan	rubber belts
2. Demagnetize the playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage (2.5V) unless otherwise noted.

Torque Measurement

Mode	Torque meter	Meter reading
FWD	CQ-102C	20 - 42 g-cm (0.28 - 0.58 oz-inch)
FWD Back Tension		less than 2 g-cm (less than 0.03 oz-inch)
REV	CQ-102RB	20 - 42 g-cm (0.28 - 0.58 oz-inch)
REV Back Tension		less than 2 g-cm (less than 0.03 oz-inch)
FF, REW	CQ-201B	more than 60 g-cm (more than 0.83 oz-inch)

3-2. ELECTRICAL ADJUSTMENT

Precaution

- Supplied voltage : 2.5V
- Switch and control position
 MODE switch : STEREO.....AEP, UK , E,
Italian model
- SENS switch : DX.....Canadian model
- TAPE switch : NORM
- DOLBY NR switch : OFF
- MEGA BASS switch : OFF
- VOLUME control : maximum

Tape section

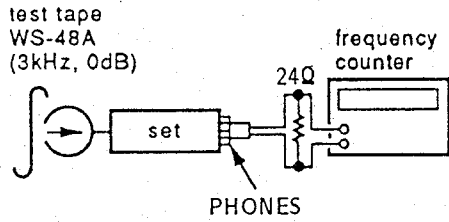
- FUNCTION switch : TAPE

Test tape

Type	Signal	Used for
WS-48A	3kHz, 0dB	Tape Speed Adjustment

Tape speed adjustment

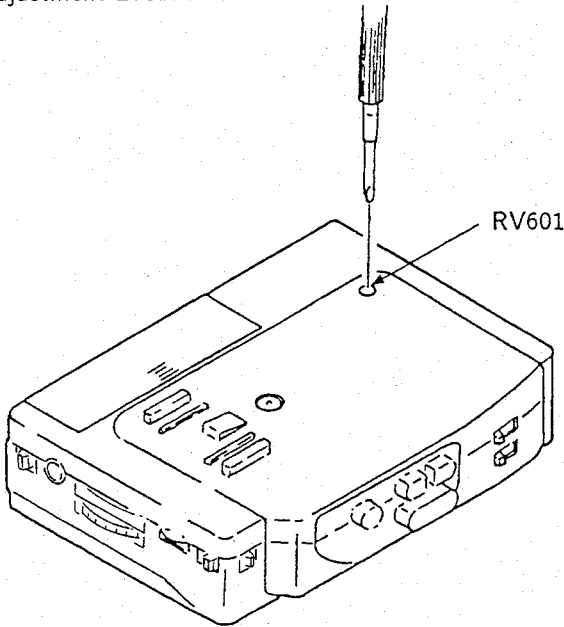
Procedure :



Play back WS-48A (tape center portion) in reverse mode.

Adjust the RV601 so that the frequency counter reads $3,000\text{Hz} \pm 10\text{Hz}$.

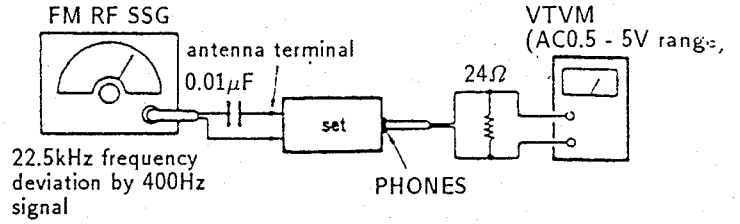
Adjustment Location :



Radio section

-FUNCTION switch : RADIO

FM section



22.5kHz frequency deviation by 400Hz signal

-Repeat the procedure in each adjustment several times since L (3, 2) affects CT (3, 2) and CT (3, 2) affects L (3, 2). Both the frequency coverage and tracking adjustments should end with the final adjustment of the trimmer capacitors.

FM Frequency Coverage Adjustment

Pointer position	SG frequency	Adjustment part	Reading on VTVM
f minimum	86MHz [87.35MHz]	L3	maximum
f maximum	109.5MHz [108.25MHz]	CT3	

[] : Italian model

FM Tracking Adjustment

SG and set frequency	Adjustment part	Reading on VTVM
86MHz [87.35MHz]	L2	maximum
109.5MHz [108.25MHz]	CT2	

[] : Italian model

AM section

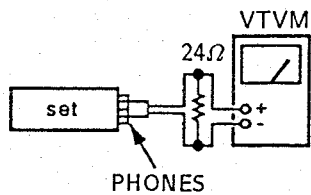
AM RF SSG



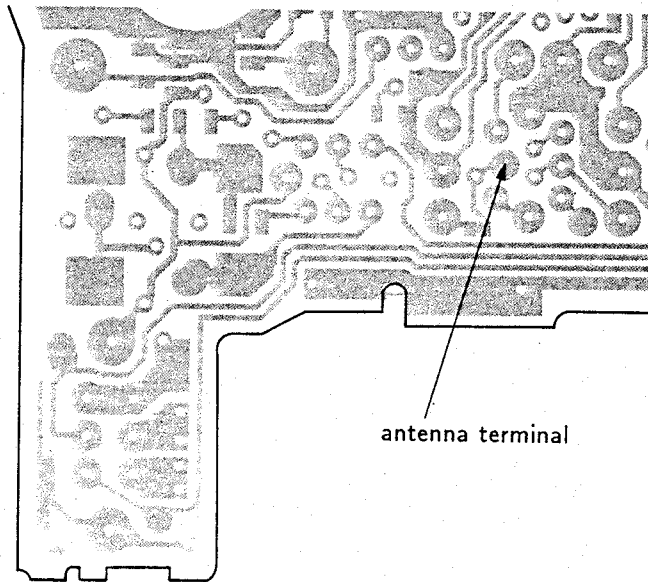
Put the lead-wire antenna close to the set

30% amplitude modulation by 400Hz signal

-Repeat the procedure in each adjustment several times since L (4, 1) affects CT (4, 1) and CT (4, 1) affects L (4, 1). Both the frequency coverage and tracking adjustments should end with the final adjustment of the trimmer capacitors.



Adjustment Location : main board



antenna terminal

4-1.

Ca
MC

AM IF Alignment

SG and set frequency	Adjustment part	Reading on VTVM
455kHz < 468kHz >	T1	maximum

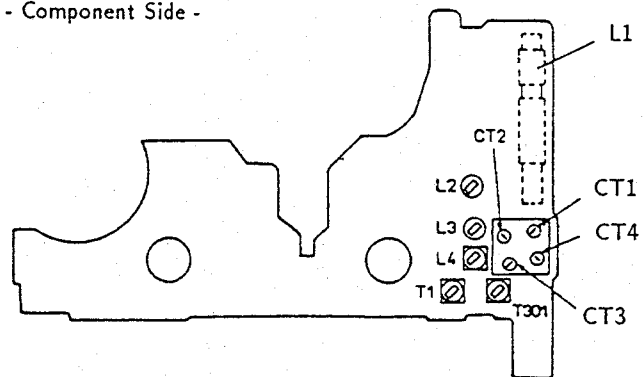
< > : UK model

AM Frequency Coverage Adjustment

Pointer position	SG frequency	Adjustment part	Reading on VTVM
f minimum	505kHz [516.5kHz]	L4	maximum
f maximum	1,750kHz [1,631.5kHz]	CT4	

[] : Italian model

- Component Side -



AM Tracking Adjustment

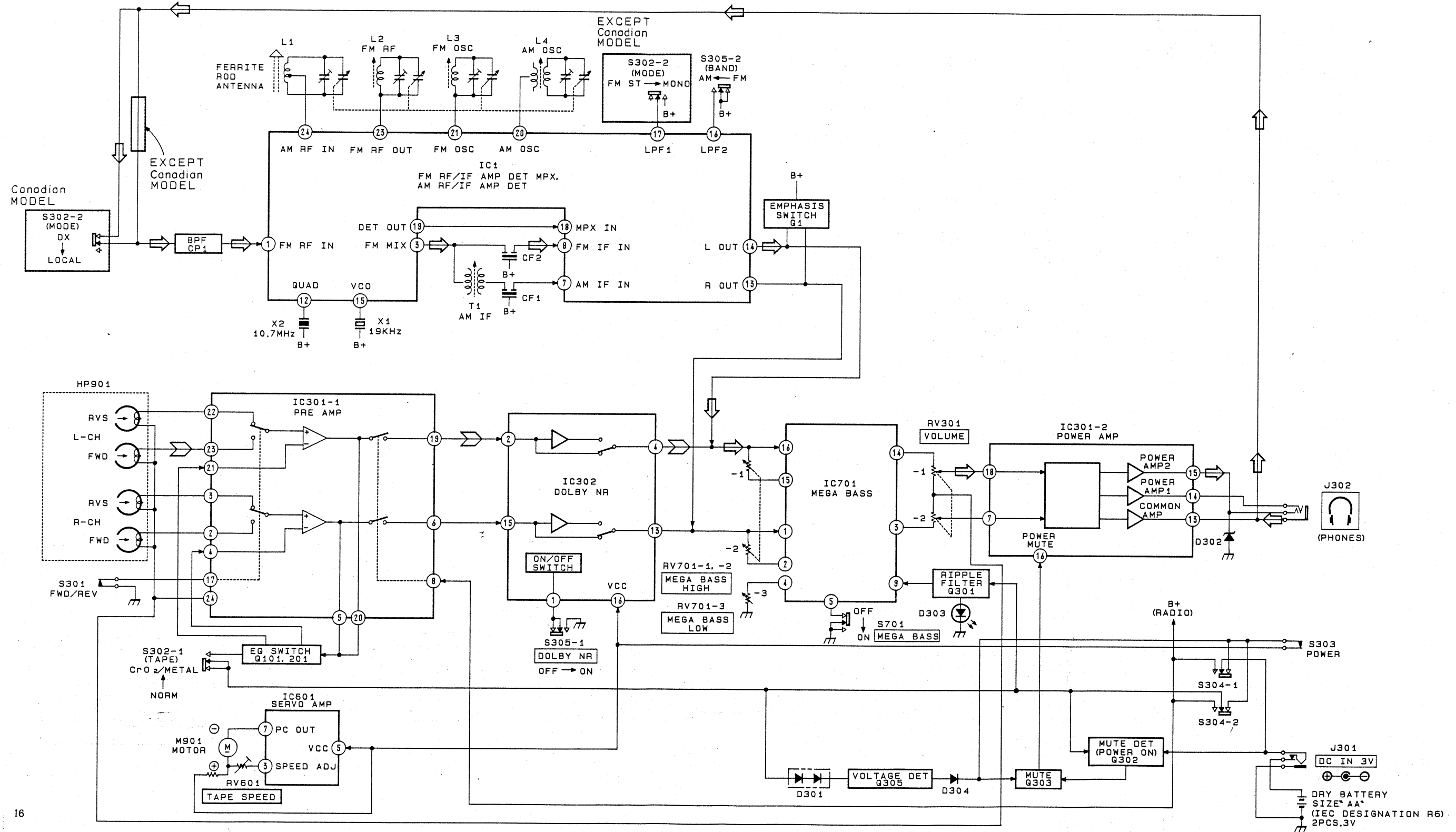
SG and set frequency	Adjustment part	Reading on VTVM
600kHz [800kHz]	L1	maximum
1,400kHz [1,300kHz]	CT1	

[] : Italian model

16

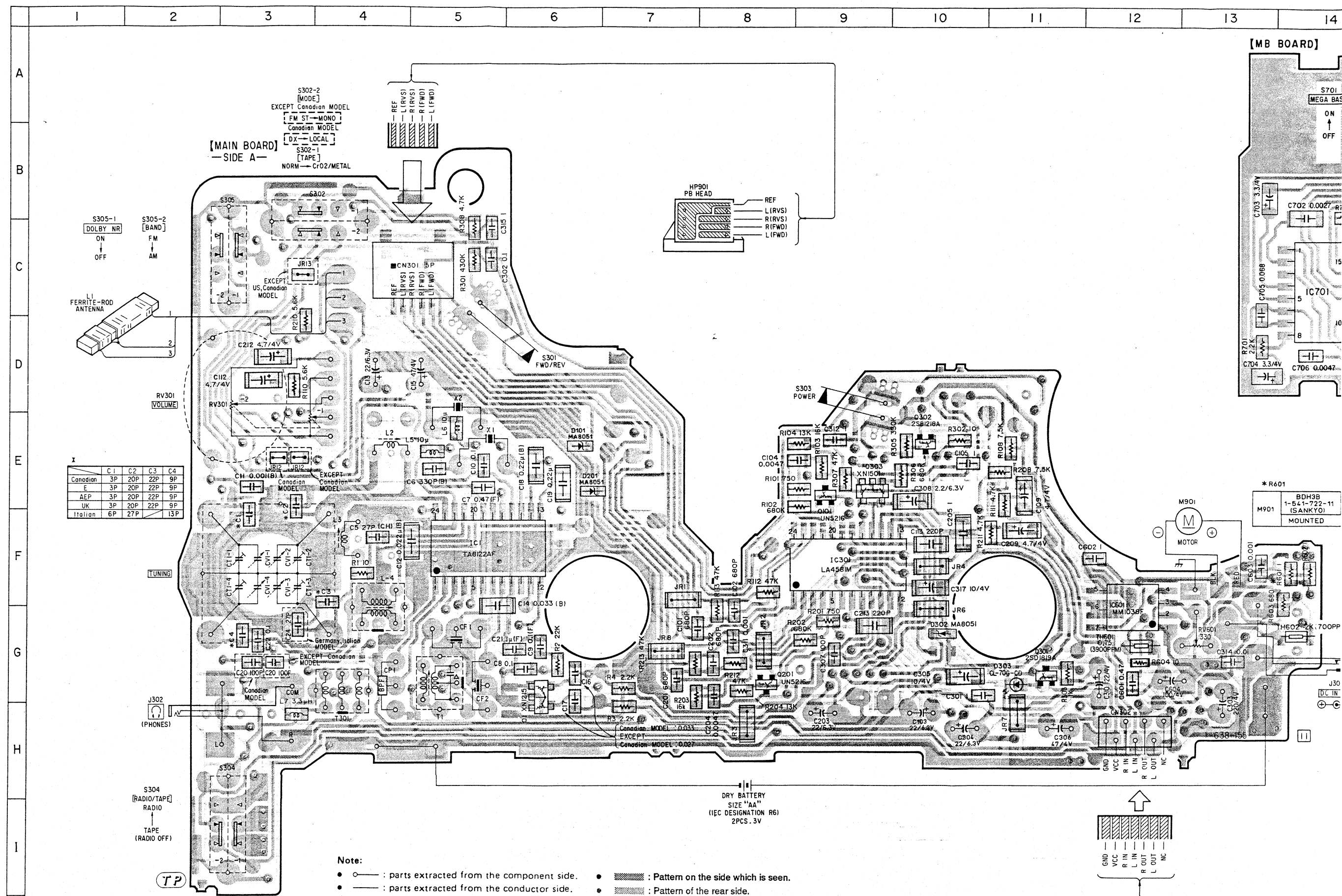
SECTION 4
DIAGRAMS

4-1. BLOCK DIAGRAM



16

4-2. PRINTED WIRING BOARD

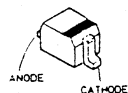


• Semiconductor Location

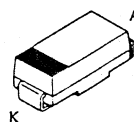
Ref. No.	LOCATION
D101	E-6
D201	E-6
D301	C-25
D302	G-10
D303	G-11
D304	C-25
IC1	F-5
IC301	F-9
IC302	E-19
IC601	G-12
IC701	C-13
Q1	G-6
Q101	E-9
Q201	G-8
Q301	G-11
Q302	E-10
Q303	E-9
Q305	C-25

• Semiconductor Lead Layouts

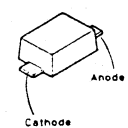
MA729



MA8051-M



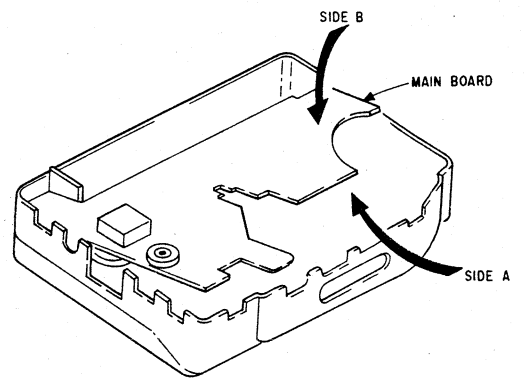
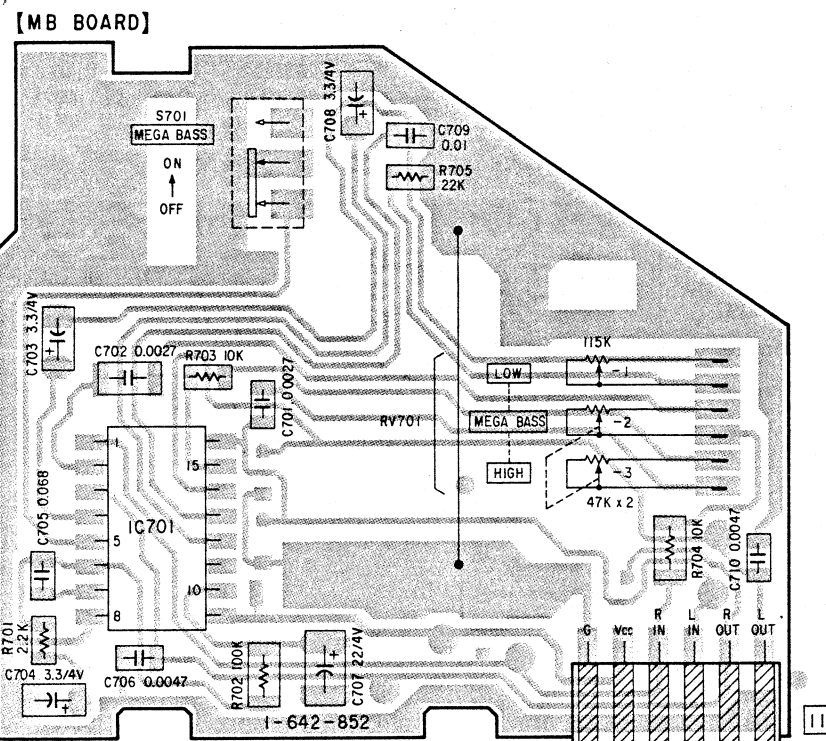
CL-70G-CD



	C1	C2	C3	C4
Canadian	3P	20P	22P	9P
E	3P	20P	22P	9P
AEP	3P	20P	22P	9P
UK	3P	20P	22P	9P
Italian	6P	27P		13P

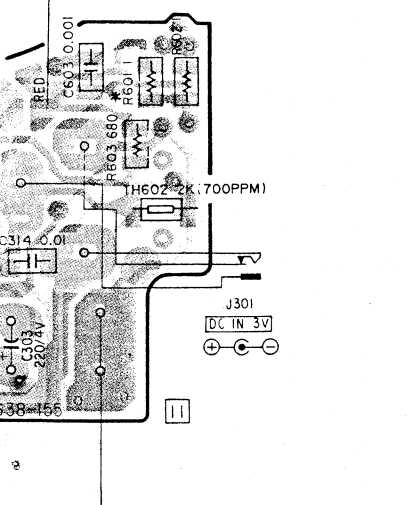
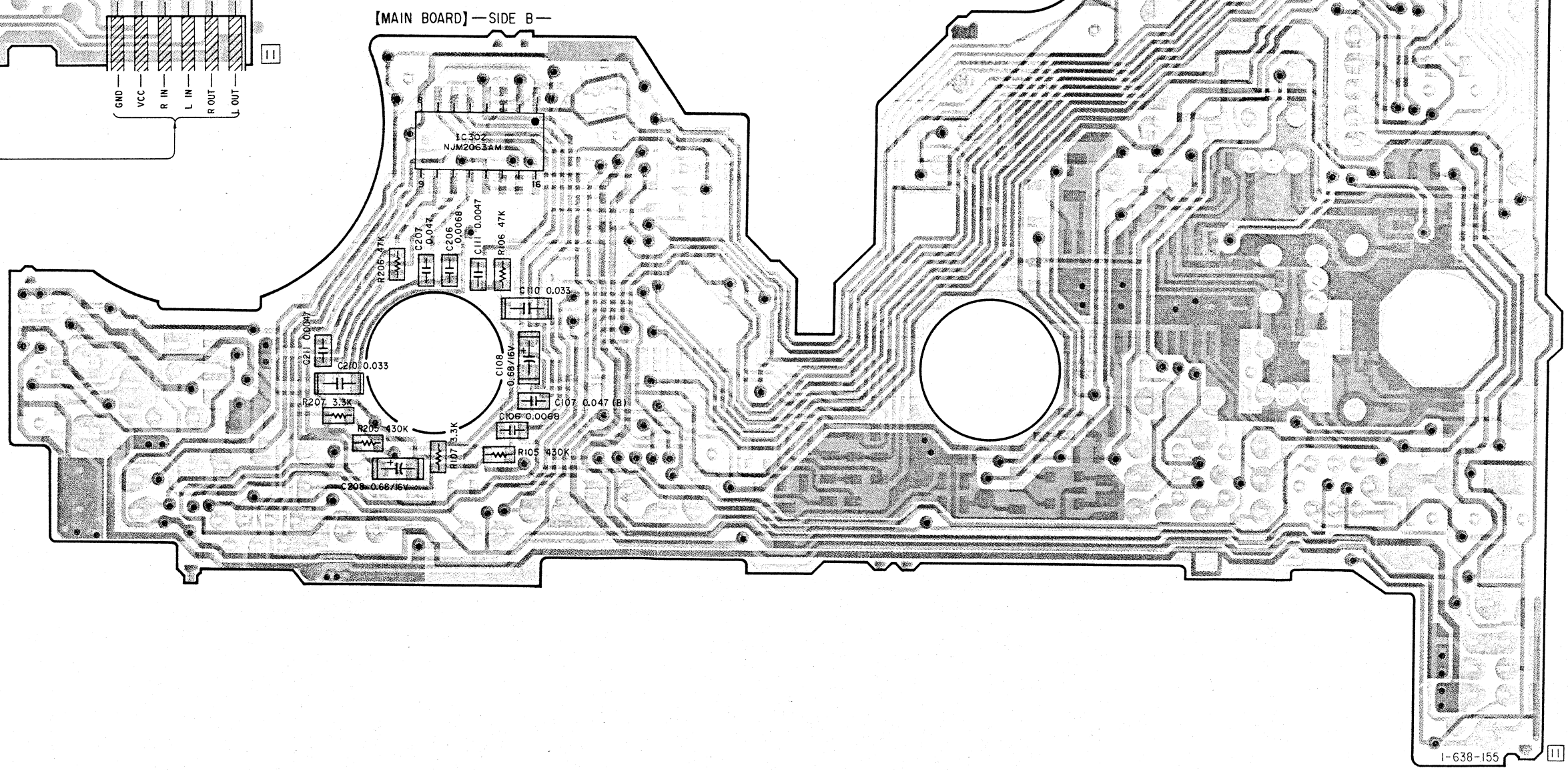
Note:

- — : parts extracted from the component side.
- — : parts extracted from the conductor side.
- — : parts mounted on the conductor side.
- — : indicates side identified with part number.
- — : Through hole.
- — : Pattern on the side which is seen.
- — : Pattern of the rear side.



*R601

M901	BDH3B 1-541-722-11 (SANKYO)	7E3027RS 1-541-858-11 (KATSURAGAWA)
	MOUNTED	REMOVE

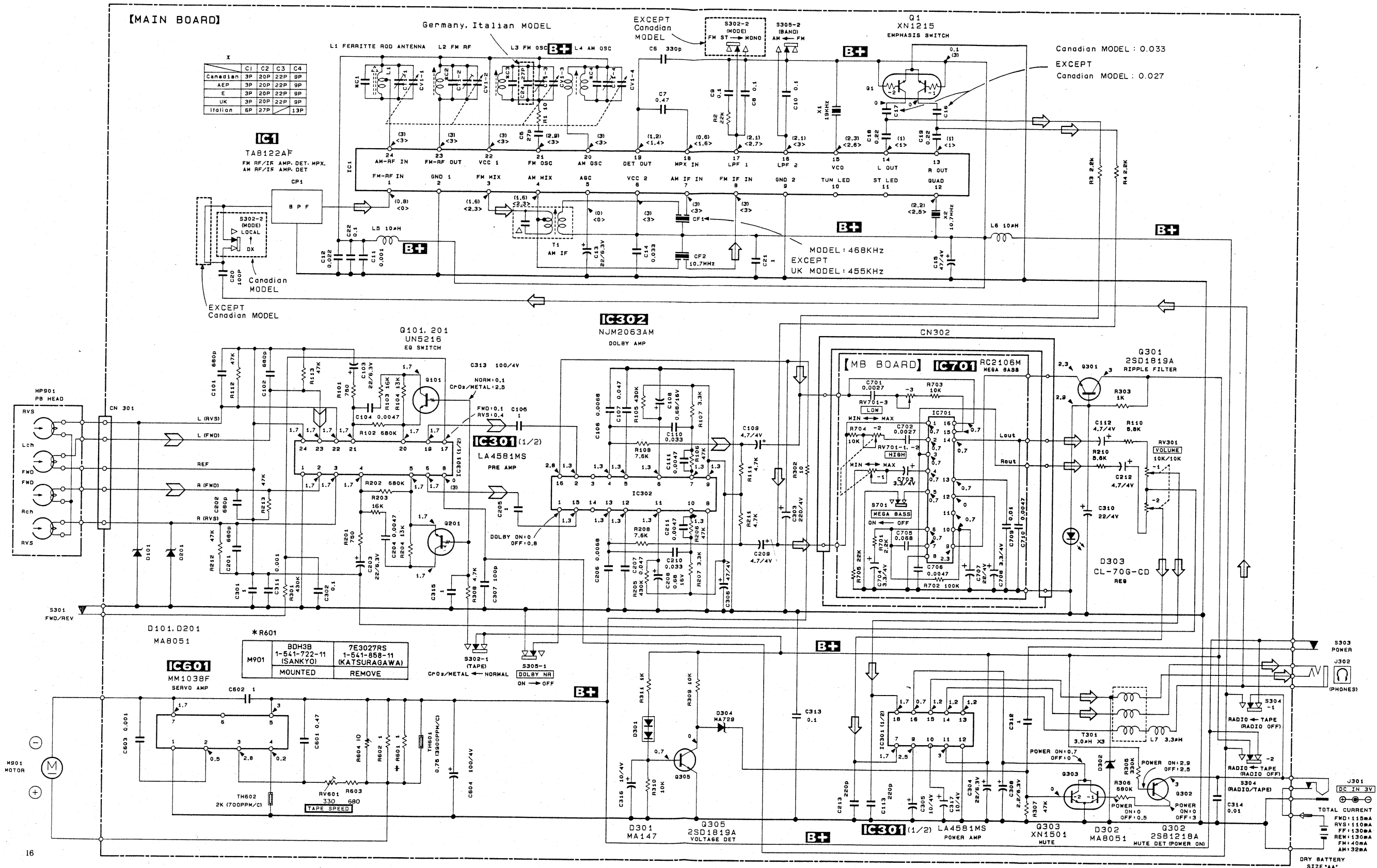


A
B
C
D
E
F
G
H
I
J

4-3. SCHEMATIC DIAGRAM

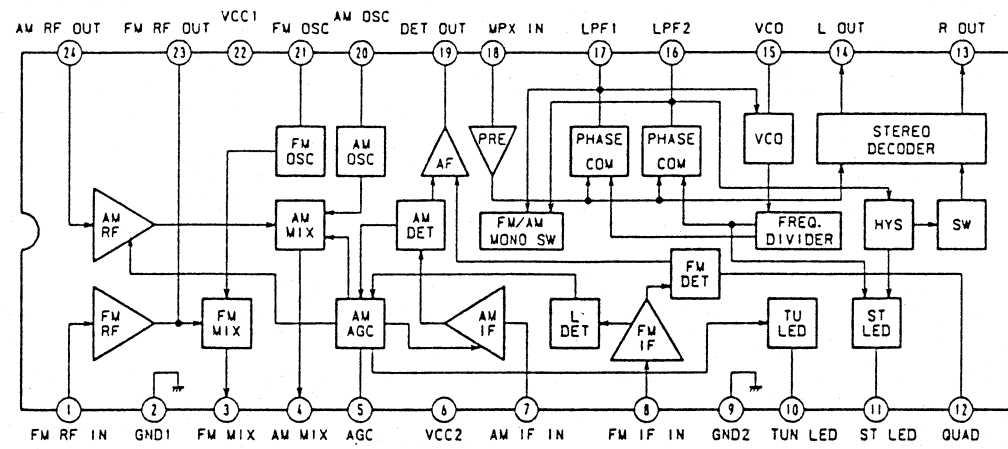
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

A
B
C
D
E
F
G
H
I
J

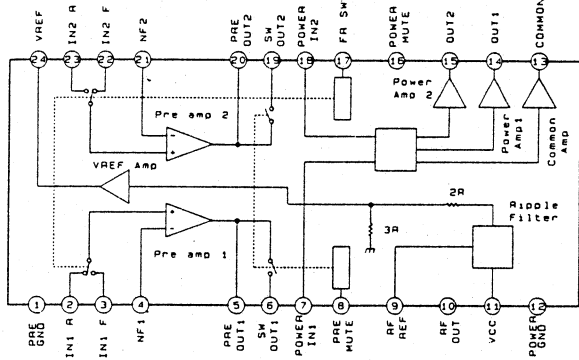


• IC BLOCK DIAGRAM

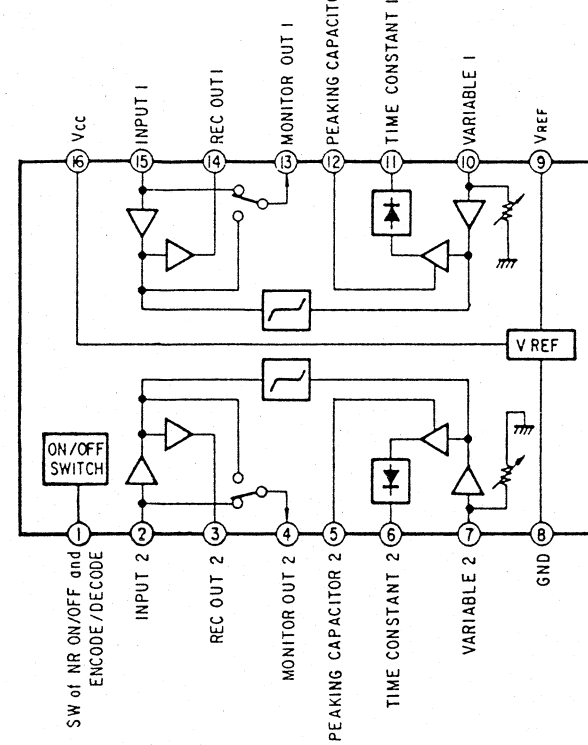
• IC1 TA8122AF



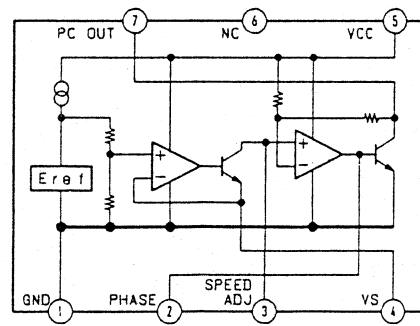
• IC301 LA4581M



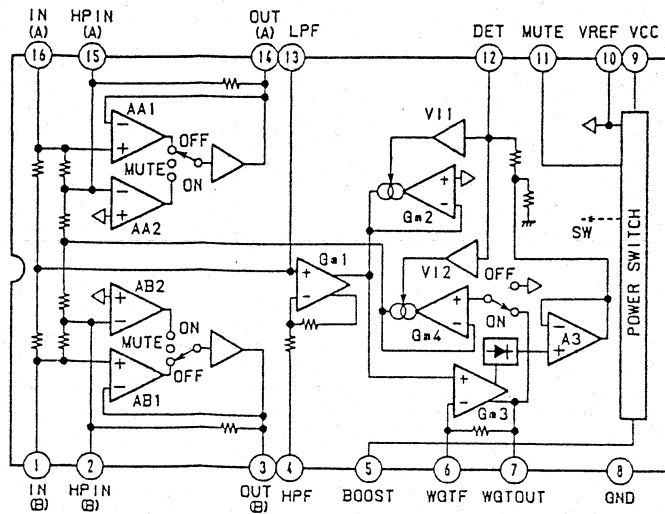
• IC302 NJM2063AM



• IC601 MM1038F



• IC701 RC2106M



Note:

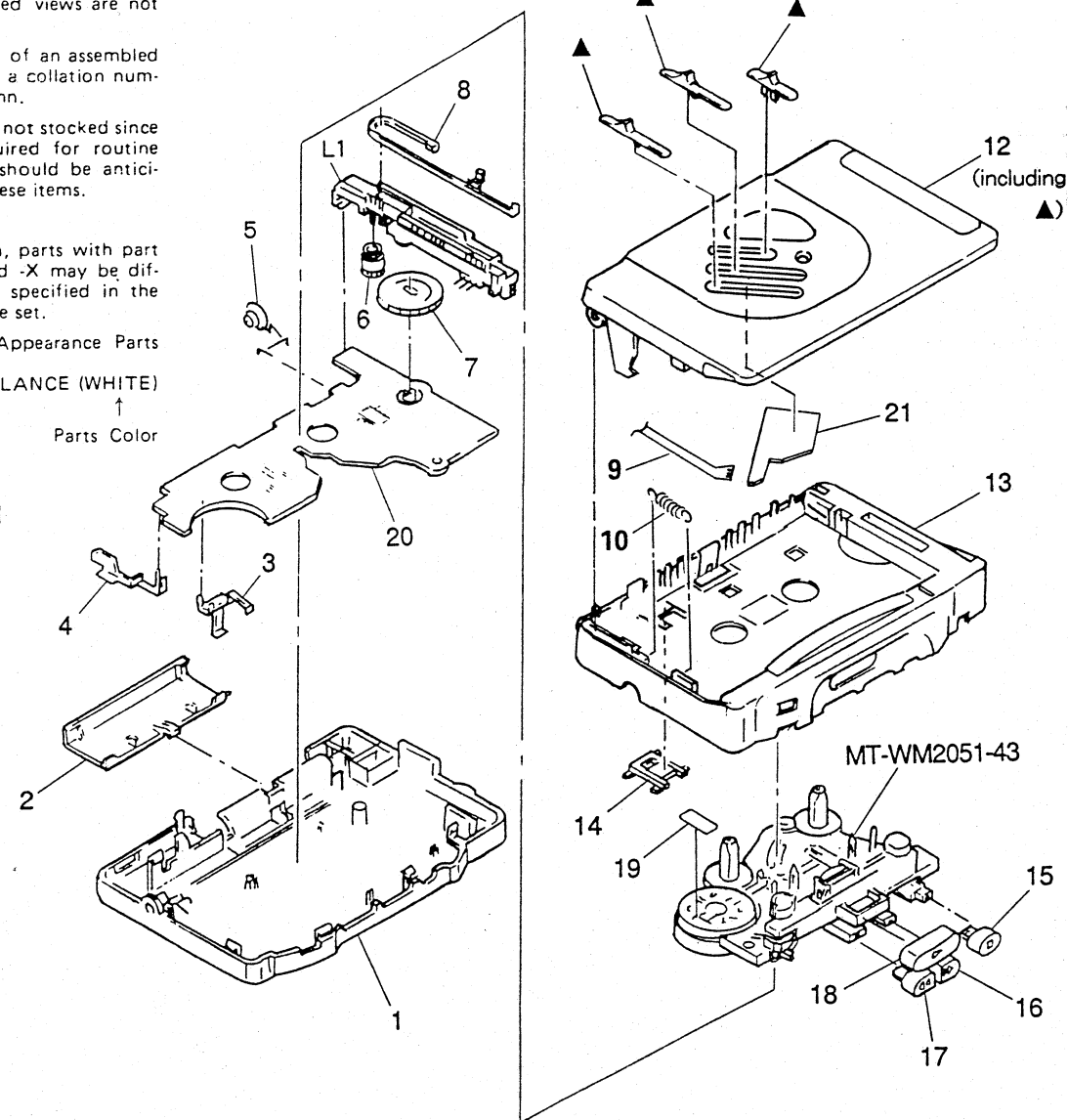
- All capacitors are in μF unless otherwise noted. pF: μF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
- **B+** : B+ Line
- **□** : adjustment for repair.
- Total current is measured with no cassette installed.
- Power voltage is dc 3V and fed with regulated dc power supply from external power voltage jack.
- Voltage is dc with respect to ground in playback mode.
no mark: TAPE PB
(): FM
< >: AM
- Voltages are taken with a VOM (Input impedance 10M Ω).
- Signal path.
◁ ▷ : FM
◁ ▷ : PB

SECTION 5
EXPLODED VIEWS

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts
Example:
(RED) ... KNOB, BALANCE (WHITE)
↑ Cabinet's Color ↑ Parts Color

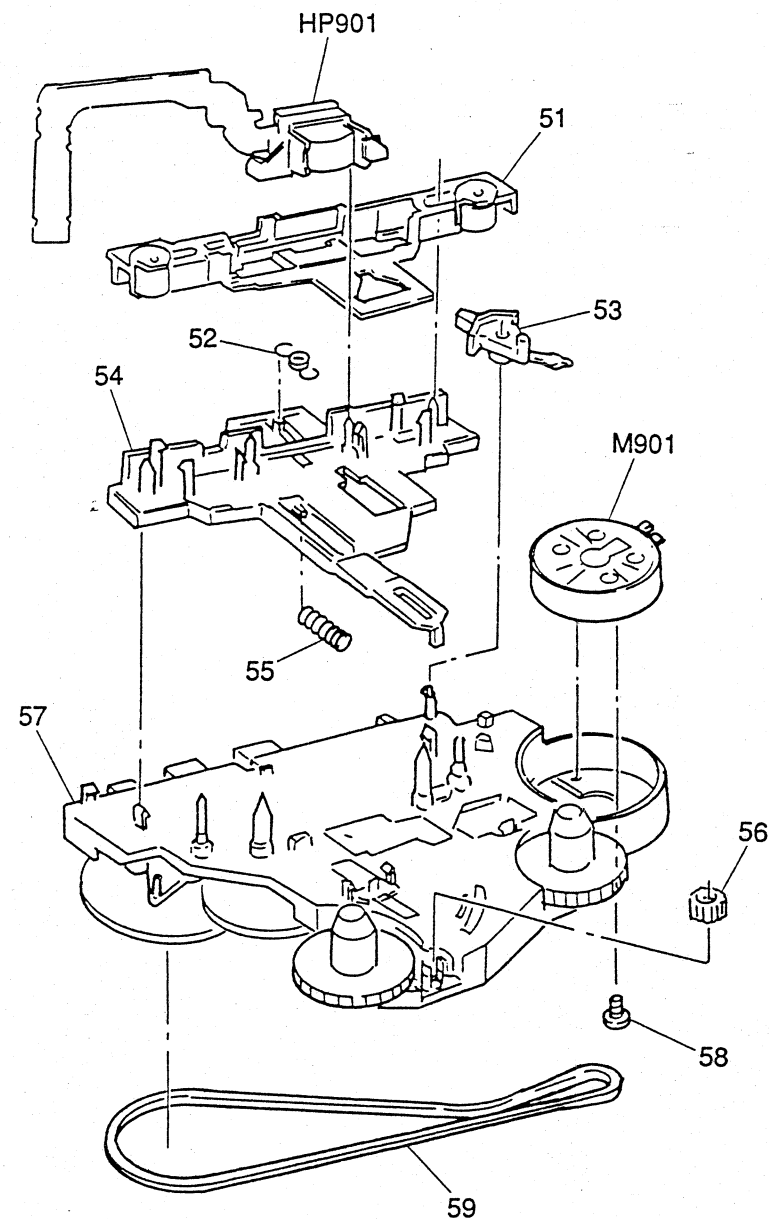
• IT : Italian model.



5-1. MAIN SECTION

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	3-358-109-01	CABINET (REAR) (CF)		14	3-358-180-01	RETAINER (FLEXIBLE)	
2	3-358-113-01	LID, BATTERY CASE		15	3-358-115-11	BUTTON (STOP)	
3	* 3-358-119-01	SPRING		16	3-366-505-21	BUTTON (FF)	
4	3-358-121-01	TERMINAL (PLUS), BATTERY		17	3-366-505-21	BUTTON (REW)	
5	3-358-122-01	SPRING		18	3-358-114-11	BUTTON (PLAY)	
6	3-358-105-01	GEAR (TUN)		19	3-831-441-XX	CUSHION, CABINET UPPER 10X7X0.3	
7	3-358-104-01	KNOB (TUN)		20	A-3016-024-A	MAIN BOARD, COMPLETE (Canadian)	
8	3-366-707-01	POINTER		20	A-3016-025-A	MAIN BOARD, COMPLETE (IT)	
9	1-642-861-11	MEGA BASS BOARD FLEXIBLE		20	A-3016-026-A	MAIN BOARD, COMPLETE (UK)	
10	3-358-112-01	SPRING, TENSION		20	A-3016-027-A	MAIN BOARD, COMPLETE (AEP, E)	
12	X-3364-685-1	LID ASSY (CF-4), CASSETTE (Canadian)		21	* 1-642-852-11	MEGA BASS BOARD	
12	X-3364-686-1	LID ASSY (CF-4), CASSETTE (IT)		L1	1-402-481-11	ANTENNA FERRITE ROD	
12	X-3364-687-1	LID ASSY (CF-4), CASSETTE (AEP, UK, E)					
13	X-3364-689-1	CABINET (FRONT) ASSY(CF-4) (Canadian)					
13	X-3364-690-1	CABINET (FRONT) ASSY(CF-4) (AEP, UK, IT, E)					

5-2. MECHANISM SECTION (MT-WM2051-43)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-3347-145-1	PINCH LEVER ASSY		57	X-3358-122-1	CHASSIS ASSY	
52	3-362-456-01	SPRING (PINCH)		58	3-352-758-11	SCREW (M1.7X2), TOOTHED LOCK	
53	3-354-887-01	LEVER, D SELECTION		59	3-354-868-01	BELT	
54	3-354-890-01	LEVER, PLAY		HP901	1-543-705-11	HEAD, MAGNETIC (PLAYBACK)	
55	3-354-875-01	SPRING, COMPRESSION		M901	1-541-722-11	MOTOR	
56	3-354-869-01	GEAR (REVERSE)					

SECTION 6
ELECTRICAL PARTS LIST

MAIN

MAIN

NOTE:

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- XX, -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms
METAL : Metal-film resistor
METAL OXIDE : Metal Oxide-film resistor
F : nonflammable

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
In each case, u: μ , for example:
uA...: μ A..., uPA...: μ PA...,
uPB...: μ PB..., uPC...: μ PC...,
uPD...: μ PD...
- CAPACITORS
uF: μ F
uH: μ H
- Hardware(# mark) list is given in the last of this parts list.

Ref. No.	Part No.	Description	Remark
	A-3016-024-A	MAIN BOARD, COMPLETE (Canadian)	
	A-3016-025-A	MAIN BOARD, COMPLETE (IT)	
	A-3016-026-A	MAIN BOARD, COMPLETE (UK)	
	A-3016-027-A	MAIN BOARD, COMPLETE (AEP, E)	

	3-358-104-01	KNOB (TUN)	
	3-358-105-01	GEAR (TUN)	
	3-366-707-01	POINTER	
	* 3-367-320-01	SPRING, MOTOR GROUND	
	3-358-121-01	TERMINAL (PLUS), BATTERY	
	3-358-122-01	SPRING	
	< CAPACITOR >		
C1	1-163-086-00	CERAMIC CHIP 3PF 50V (EXCEPT IT)	
C1	1-163-089-00	CERAMIC CHIP 6PF 50V (IT)	
C2	1-163-100-00	CERAMIC CHIP 20PF 5% 50V (EXCEPT IT)	
C2	1-163-103-00	CERAMIC CHIP 27PF 5% 50V (IT)	
C3	1-163-101-00	CERAMIC CHIP 22PF 5% 50V (EXCEPT IT)	
C4	1-163-092-00	CERAMIC CHIP 9PF 0.25PF 50V (EXCEPT IT)	
C4	1-163-096-00	CERAMIC CHIP 13PF 5% 50V (IT)	
C5	1-163-103-00	CERAMIC CHIP 27PF 5% 50V	
C6	1-163-003-11	CERAMIC CHIP 330PF 10% 50V	
C7	1-164-005-11	CERAMIC CHIP 0.47uF 25V	
C8	1-163-038-00	CERAMIC CHIP 0.1uF 25V	
C9	1-163-038-00	CERAMIC CHIP 0.1uF 25V	

Ref. No.	Part No.	Description	Remark
C10	1-163-038-00	CERAMIC CHIP 0.1uF 25V	
C11	1-163-009-11	CERAMIC CHIP 0.001uF 10% 50V	
C12	1-163-063-00	CERAMIC CHIP 0.022uF 10% 50V	
C13	1-126-153-11	ELECT 22uF 20% 6.3V	
C14	1-163-078-11	CERAMIC CHIP 0.033uF 10% 25V	
C15	1-126-154-11	ELECT 47uF 20% 4V	
C16	1-163-986-00	CERAMIC CHIP 0.027uF 10% 25V (EXCEPT Canadian)	
C16	1-163-989-11	CERAMIC CHIP 0.033uF 10% 50V (Canadian)	
C17	1-163-986-00	CERAMIC CHIP 0.027uF 10% 25V (EXCEPT Canadian)	
C17	1-163-989-11	CERAMIC CHIP 0.033uF 10% 50V (Canadian)	
C18	1-164-299-11	CERAMIC CHIP 0.22uF 10% 25V	
C19	1-164-299-11	CERAMIC CHIP 0.22uF 10% 25V	
C20	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C21	1-164-234-11	CERAMIC CHIP 1uF 10V	
C22	1-163-038-00	CERAMIC CHIP 0.1uF 25V	
C24	1-163-103-00	CERAMIC CHIP 27PF 5% 50V (IT)	
C101	1-163-007-11	CERAMIC CHIP 680PF 10% 50V	
C102	1-163-007-11	CERAMIC CHIP 680PF 10% 50V	
C103	1-126-153-11	ELECT 22uF 20% 6.3V	
C104	1-163-017-00	CERAMIC CHIP 0.0047uF 5% 50V	
C105	1-164-234-11	CERAMIC CHIP 1uF 10V	
C106	1-163-019-00	CERAMIC CHIP 0.0068uF 10% 50V	
C107	1-163-809-11	CERAMIC CHIP 0.047uF 10% 25V	
C108	1-135-226-21	TANTAL CHIP 0.68uF 10% 16V	
C109	1-135-151-21	TANTALUM CHIP 4.7uF 20% 4V	
C110	1-163-078-11	CERAMIC CHIP 0.033uF 10% 25V	
C111	1-163-017-00	CERAMIC CHIP 0.0047uF 5% 50V	
C112	1-135-151-21	TANTALUM CHIP 4.7uF 20% 4V	
C113	1-163-189-00	CERAMIC CHIP 220PF 10% 50V	

Ref. No.	Part No.	Description	Remark
C201	1-163-007-11	CERAMIC CHIP 680PF 10% 50V	
C202	1-163-007-11	CERAMIC CHIP 680PF 10% 50V	
C203	1-126-153-11	ELECT 22uF 20% 6.3V	
C204	1-163-017-00	CERAMIC CHIP 0.0047uF 5% 50V	
C205	1-162-638-11	CERAMIC CHIP 1uF 16V	
C206	1-163-019-00	CERAMIC CHIP 0.0068uF 10% 50V	
C207	1-163-809-11	CERAMIC CHIP 0.047uF 10% 25V	
C208	1-135-226-21	TANTAL CHIP 0.68uF 10% 16V	
C209	1-135-151-21	TANTALUM CHIP 4.7uF 20% 4V	
C210	1-163-078-11	CERAMIC CHIP 0.033uF 10% 25V	
C211	1-163-017-00	CERAMIC CHIP 0.0047uF 5% 50V	
C212	1-135-151-21	TANTALUM CHIP 4.7uF 20% 4V	
C213	1-163-189-00	CERAMIC CHIP 220PF 10% 50V	
C301	1-164-234-11	CERAMIC CHIP 1uF 10V	
C302	1-163-038-00	CERAMIC CHIP 0.1uF 25V	
C303	1-124-434-00	ELECT 220uF 20% 4V	
C304	1-126-153-11	ELECT 22uF 20% 6.3V	
C305	1-135-201-11	TANTALUM CHIP 10uF 20% 4V	
C306	1-126-154-11	ELECT 47uF 20% 6.3V	
C307	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C308	1-135-149-21	TANTALUM CHIP 2.2uF 20% 6.3V	
C310	1-124-430-00	ELECT 22uF 20% 4V	
C311	1-163-009-11	CERAMIC CHIP 0.001uF 10% 50V	
C312	1-164-234-11	CERAMIC CHIP 1uF 10V	
C313	1-163-038-00	CERAMIC CHIP 0.1uF 25V	
C314	1-164-232-11	CERAMIC CHIP 0.01uF 50V	
C315	1-164-234-11	CERAMIC CHIP 1uF 10V	
C316	1-135-201-11	TANTALUM CHIP 10uF 20% 4V	
C317	1-135-201-11	TANTALUM CHIP 10uF 20% 4V	
C601	1-164-005-11	CERAMIC CHIP 0.47uF 25V	
C602	1-135-208-11	TANTAL CHIP 1uF 20% 10V	
C603	1-163-009-11	CERAMIC CHIP 0.001uF 10% 50V	
C604	1-124-433-00	ELECT 100uF 20% 4V	
	< FILTER >		
CF1	1-527-870-00	FILTER (455KHz) (EXCEPT UK)	
CF1	1-576-129-00	FILTER CERAMIC (468KHz) (UK)	
CF2	1-567-198-71	FILTER, CERAMIC (10.7MHz)	
CP1	1-236-711-21	FILTER, BAND PASS	
	< CONNECTOR >		
CN301	1-569-252-21	HOUSING, CONNECTOR (FPC) 5P	
CN302	1-565-289-11	HOUSING, CONNECTOR 7P	
	< CAP VAR >		
CV1			
CV2	1-151-629-21	CAP, VAR, POLYETHYLENE	
CV3			
CV4			

Ref. No.	Part No.	Description	Remark
	< DIODE >		
D101	8-719-420-90	DIODE MA8051-M	
D201	8-719-420-90	DIODE MA8051-M	
D301	8-719-421-33	DIODE MA147	
D302	8-719-420-90	DIODE MA8051-M	
D303	8-719-975-06	DIODE CL-70G-CD (LED)	
D304	8-719-420-51	DIODE MA729	
	< IC >		
IC1	8-759-230-39	IC TA8122AF	
IC301	8-759-823-31	IC LA4581MS	
IC302	8-759-701-07	IC NJM2063AM	
IC601	8-759-999-06	IC MM1038F	
	< JACK >		
J301	1-568-228-11	JACK, EXTERNAL POWER (DC IN 3V)	
J302	1-565-287-11	JACK (PHONES)	
	< JUMPER >		
JR1	1-216-296-00	METAL CHIP 0 5% 1/8W	
JR2	1-216-296-00	METAL CHIP 0 5% 1/8W	
JR3	1-216-296-00	METAL CHIP 0 5% 1/8W	
JR4	1-216-296-00	METAL CHIP 0 5% 1/8W	
JR5	1-216-296-00	METAL CHIP 0 5% 1/8W	
JR6	1-216-296-00	METAL CHIP 0 5% 1/8W	
JR7	1-216-296-00	METAL CHIP 0 5% 1/8W	
JR8	1-216-296-00	METAL CHIP 0 5% 1/8W	
JR12	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR13	1-216-295-00	METAL CHIP 0 5% 1/10W (EXCEPT Canadian)	
	< COIL >		
L1	1-402-481-11	ANTENNA, FERRITE-ROD	
L2	1-460-048-11	COIL (WITH CORE) (FM RF) (EXCEPT IT)	
L2	1-460-052-11	COIL (WITH CORE) (FM RF) (IT)	
L3	1-460-050-11	COIL (WITH CORE) (FM OSC) (EXCEPT IT)	
L3	1-460-053-11	COIL (WITH CORE) (FM OSC) (IT)	
L4	1-406-375-21	COIL (AM OSC) (Canadian, AEP, E)	
L4	1-406-376-21	COIL (WITH CORE) (AM OSC) (IT)	
L4	1-406-377-21	COIL (WITH CORE) (AM OSC) (UK)	
L5	1-412-006-31	INDUCTOR CHIP 10uH	
L6	1-412-006-31	INDUCTOR CHIP 10uH	
L7	1-410-999-11	INDUCTOR CHIP 3.3uH	

When indicating parts by reference number, please include the board name.

MAIN

MEGA BASS

Ref. No.	Part No.	Description	Remark
< TRANSISTOR >			
Q1	8-729-902-93	TRANSISTOR FMG4	
Q101	8-729-421-29	TRANSISTOR UN5216R	
Q201	8-729-421-29	TRANSISTOR UN5216R	
Q301	8-729-905-35	TRANSISTOR 2SC4081-R	
Q302	8-729-905-23	TRANSISTOR 2SA1576-R	
Q303	8-729-421-23	TRANSISTOR XN1216	
Q305	8-729-905-35	TRANSISTOR 2SC4081-R	
< RESISTOR >			
R1	1-216-001-00	METAL CHIP 10	5% 1/10W
R2	1-216-081-00	METAL CHIP 22K	5% 1/10W
R3	1-216-057-00	METAL CHIP 2.2K	5% 1/10W
R4	1-216-057-00	METAL CHIP 2.2K	5% 1/10W
R101	1-216-046-00	METAL CHIP 750	5% 1/10W
R102	1-216-117-00	METAL CHIP 680K	5% 1/10W
R103	1-218-157-11	METAL CHIP 16K	5% 1/10W
R104	1-216-868-11	METAL CHIP 13K	5% 1/10W
R105	1-216-112-00	METAL GLAZE 430K	5% 1/10W
R106	1-216-089-00	METAL CHIP 47K	5% 1/10W
R107	1-216-061-00	METAL CHIP 3.3K	5% 1/10W
R108	1-216-070-00	METAL CHIP 7.5K	5% 1/10W
R110	1-216-067-00	METAL CHIP 5.6K	5% 1/10W
R111	1-216-065-00	METAL CHIP 4.7K	5% 1/10W
R112	1-216-089-00	METAL CHIP 47K	5% 1/10W
R113	1-216-089-00	METAL CHIP 47K	5% 1/10W
R201	1-216-046-00	METAL CHIP 750	5% 1/10W
R202	1-216-117-00	METAL CHIP 680K	5% 1/10W
R203	1-218-157-11	METAL CHIP 16K	5% 1/10W
R204	1-216-868-11	METAL CHIP 13K	5% 1/10W
R205	1-216-112-00	METAL GLAZE 430K	5% 1/10W
R206	1-216-089-00	METAL CHIP 47K	5% 1/10W
R207	1-216-061-00	METAL CHIP 3.3K	5% 1/10W
R208	1-216-070-00	METAL CHIP 7.5K	5% 1/10W
R210	1-216-067-00	METAL CHIP 5.6K	5% 1/10W
R211	1-216-065-00	METAL CHIP 4.7K	5% 1/10W
R212	1-216-089-00	METAL CHIP 47K	5% 1/10W
R213	1-216-089-00	METAL CHIP 47K	5% 1/10W
R301	1-216-112-00	METAL GLAZE 430K	5% 1/10W
R302	1-216-001-00	METAL CHIP 10	5% 1/10W
R303	1-216-049-00	METAL CHIP 1K	5% 1/10W
R305	1-216-109-00	METAL CHIP 330K	5% 1/10W
R306	1-216-117-00	METAL CHIP 680K	5% 1/10W
R307	1-216-089-00	METAL CHIP 47K	5% 1/10W
R308	1-216-065-00	METAL CHIP 4.7K	5% 1/10W

Ref. No.	Part No.	Description	Remark
R309	1-216-073-00	METAL CHIP 10K	5% 1/10W
R310	1-216-073-00	METAL CHIP 10K	5% 1/10W
R311	1-216-049-00	METAL CHIP 1K	5% 1/10W
R601	1-217-671-11	METAL CHIP 1	5% 1/10W
R602	1-218-446-11	METAL CHIP 1	5% 1/16W
R603	1-216-045-00	METAL CHIP 680	5% 1/10W
R604	1-216-797-11	METAL CHIP 10	5% 1/16W

< VARIABLE RESISTOR >

RV301	1-238-072-11	RES. VAR. CARBON 10K/10K (VOLUME)
RV601	1-241-028-11	RES. ADJ. CARBON 330 (TAPE SPEED)

< SWITCH >

S301	1-571-986-31	SWITCH, LEAF (FWD/REV)
S302	1-571-478-11	SWITCH, SLIDE (TAPE/MODE)
S303	1-571-986-11	SWITCH, LEAF (POWER)
S304	1-571-478-11	SWITCH, SLIDE (RADIO/TAPE)
S305	1-571-478-11	SWITCH, SLIDE (DOLBY NR/BAND)

< TRANSFORMER >

T1	1-404-899-21	TRANSFORMER, 1F (AM) (EXCEPT UK)
T1	1-404-900-21	TRANSFORMER, 1F (AM) (UK)

T301	1-409-471-21	COIL, TRAP
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< THERMISTOR >

TH601	1-809-003-11	THERMISTOR, POSITIVE
TH602	1-809-275-21	THERMISTOR, POSITIVE

< CRYSTAL >

X1	1-577-091-21	OSCILLATOR, CRYSTAL (19KHz)
X2	1-567-198-71	FILTER, CERAMIC (10.7MHz)

* 1-642-852-11 MEGA BASS BOARD

< CAPACITOR >

C701	1-163-014-00	CERAMIC CHIP 0.0027u	10% 50V
C702	1-163-215-00	CERAMIC CHIP 0.0027u	10% 50V
C703	1-135-180-21	TANTALUM CHIP 3.3uF	20% 4V
C704	1-135-180-21	TANTALUM CHIP 3.3uF	20% 4V
C705	1-163-833-00	CERAMIC CHIP 0.068uF	25V
C706	1-163-017-00	CERAMIC CHIP 0.0047uF	5% 50V
C707	1-135-202-21	TANTAL CHIP 22uF	20% 4V
C708	1-135-180-21	TANTALUM CHIP 3.3uF	20% 4V
C709	1-164-232-11	CERAMIC CHIP 0.01uF	10% 50V
C710	1-163-017-00	CERAMIC CHIP 0.0047uF	5% 50V

When indicating parts by reference number, please include the board name.

MEGA BASS

Ref. No.	Part No.	Description	Remark
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< IC >

IC701 8-759-512-77 IC RC2106M

< RESISTOR >

R701	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R702	1-216-246-00	METAL CHIP	100K	5%	1/8W
R703	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R704	1-216-222-00	METAL GLAZE	10K	5%	1/8W
R705	1-216-081-00	METAL CHIP	22K	5%	1/10W

< VARIABLE RESISTOR >

RV701 1-241-424-11 RES. VAR. CARBON (BLOCK TYPE) (MEGA BASS)

< SWITCH >

S701 1-570-397-11 SWITCH, SLIDE (MEGA BASS)

MISCELLANEOUS

HP901 1-543-705-11 HEAD, MAGNETIC (PLAYBACK)

L1 1-402-481-11 ANTENNA FERRITE ROD

M901 1-541-722-11 MOTOR

ACCESSORY & PACKING MATERIAL

- 3-346-518-01 CLIP, BELT
- * X-3329-657-1 ATTACHMENT ASSY (Canadian, UK, E)
- * 3-376-772-01 INDIVIDUAL CARTON (AEP, Germany, IT)
- * 3-376-773-01 INDIVIDUAL CARTON (UK)
- * 3-376-774-01 INDIVIDUAL CARTON (Canadian, E)
- * 3-377-465-01 CUSHION
- * 3-379-047-01 LABEL, BMPT (Germany)
- * 3-754-835-11 MANUAL, INSTRUCTION (ENGLISH, F, E, P, D, NL, S, I)
(AEP, Germany, IT)
- * 3-754-835-31 MANUAL, INSTRUCTION (ENGLISH, F, E, D)
(Canadian, UK, E)
- 8-953-415-90 HEADPHONE MDR-14A SET (AEP, Germany, IT)
- 8-953-484-90 HEADPHONE MDR-E551V//K SET (UK)
- 8-953-485-90 HEADPHONE MDR-E511//K (Canadian, E)

F: FRENCH
D: GERMAN
P: PORTUGUESE
E: SPANISH

NL: DUTCH
S: SWEDISH
I: ITALIAN

When indicating parts by reference number, please include the board name.