

WM-AF605/BF605

SERVICE MANUAL



PHOTO : WM-AF605

US Model
Canadian Model
WM-AF605

AEP Model
UK Model
E Model
WM-BF605

Model Name Using Similar Mechanism	WM-506
Tape Transport Mechanism Type	MF-WMF180-01

SPECIFICATIONS

Radio section

Frequency range

- Canadian model FM: 87.9 – 107.9 MHz
AM: 530 – 1,710 kHz
Other models FM: 87.5 – 108.0 MHz
AM: 531 – 1,602 kHz

Antenna

- FM: Headphones cord antenna
AM: Built-in ferrite bar antenna

Tape player section and general

Frequency response (DOLBY NR off)

- 20 – 18,000 Hz (with the TAPE selector set to NORM or METAL/CrO₂)

Output

- Headphones (PHONES jack) (stereo minijack) load impedance 8 – 300Ω

Power output

- 5 mW + 5 mW at DC operation, 16Ω

Power requirements

- 1.5 V DC
Rechargeable battery
One R6 (size AA) battery
DC IN 1.5 V jack accepts:
• Sony AC-D1L AC power adaptor (optional) available in Canada for use on 120 V AC, 60 Hz
available in the United Kingdom for use on 240 V AC, 50 Hz
available in other European countries for use on 220 V AC, 50 Hz
available in other countries for use on 100 – 120 V AC or
220 – 240 V AC, 50 or 60 Hz
• Sony EBP-500B battery case (optional) for use with two R20 (size D) batteries
• Sony DCC-70 (optional) for use with 12 V car battery

Battery life

Battery	Playback	Radio Reception
Rechargeable NC-6WM fully charged	Approx. 4 hours	Approx. 6 hours
Rechargeable NC-5WM fully charged	Approx. 3 hours	Approx. 4 hours
Sony SUM-3 (INS)	Approx. 2 hours	Approx. 7.5 hours
Sony AM3 (N)	Approx. 7.5 hours	Approx. 18.5 hours
Rechargeable NC-6WM with Sony AM3 (N)	Approx. 11.0 hours	Approx. 24 hours
Rechargeable NC-5WM with Sony AM3 (N)	Approx. 9.5 hours	Approx. 22 hours

For maximum performance we recommend the use of alkaline batteries.

Dimensions

- Approx. 107.5 × 74.6 × 27.1 mm (w/h/d) (4 1/4 × 3 × 1 1/8 inches)
not incl. projecting parts and controls
Approx. 109 × 77.7 × 27.6 mm (w/h/d) (4 3/8 × 3 1/8 × 1 1/8 inches)
incl. projecting parts and controls

Weight

- Approx. 230g (8.2 oz), incl. rechargeable battery, not incl. other accessories

Accessories supplied

- Rechargeable battery (1) Battery charger (1) Lithium battery (1)
Battery case (1) Carrying case (1)

Note on the supplied carrying case

After putting the unit into the supplied carrying case, be sure to fasten the belt of the case to hold the unit securely in the case.

For Canada, the United Kingdom and other European countries

Stereo headphones (open-air type, 1)

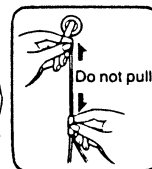
For other countries

Stereo earphones (open-air type, 1)
AC plug adaptor (1)

Ear adaptors are attached on the stereo earphones.
If the earphones do not fit your ears, detach the ear adaptors.

Note on stereo earphones

Put the cord behind your neck.
The knot cannot be moved.



Design and specifications subject to change without notice.

— Continued on page 2 —

RADIO CASSETTE PLAYER
SONY®



Note

This appliance conforms with EEC directives 76/889 and 82/499 regarding interference suppression.

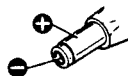
Optional accessories

Battery case EBP-5008 AC power adaptor AC-D1L
Car battery cord DCC-70 Lithium battery CR-2016

Your dealer may not handle some of the above listed optional accessories. Please ask the dealer for detailed information about the optional accessories available in your country.

Note

If a car battery cord or an AC power adaptor not manufactured by Sony is used, a fuse must be installed in the battery cord or the adaptor, and the polarity of the plug must be as illustrated.

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Flexible Circuit Board Repairing

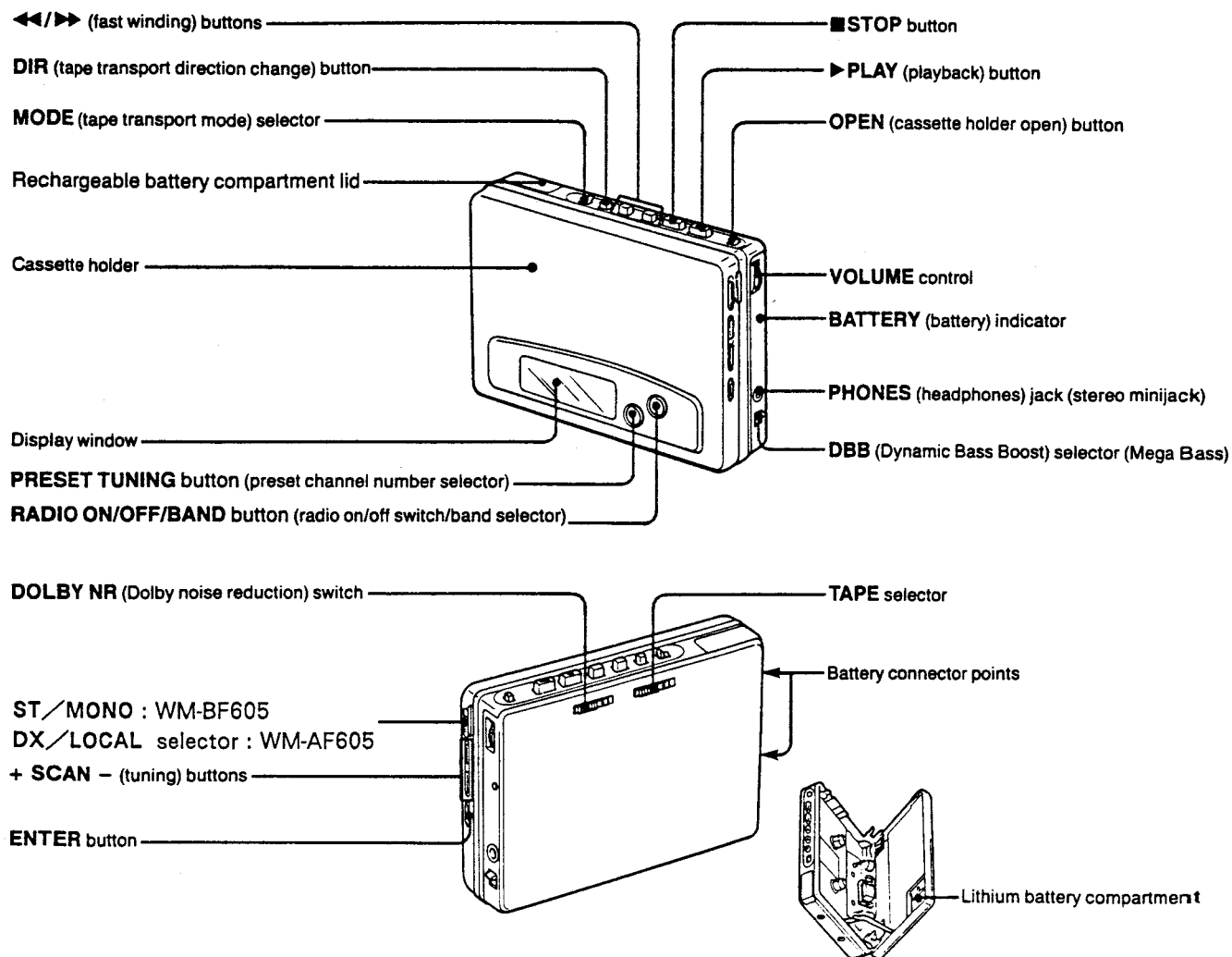
- Keep the temperature of the soldering iron around 270°C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

SECTION 1 GENERAL

LOCATION AND FUNCTION OF CONTROLS.

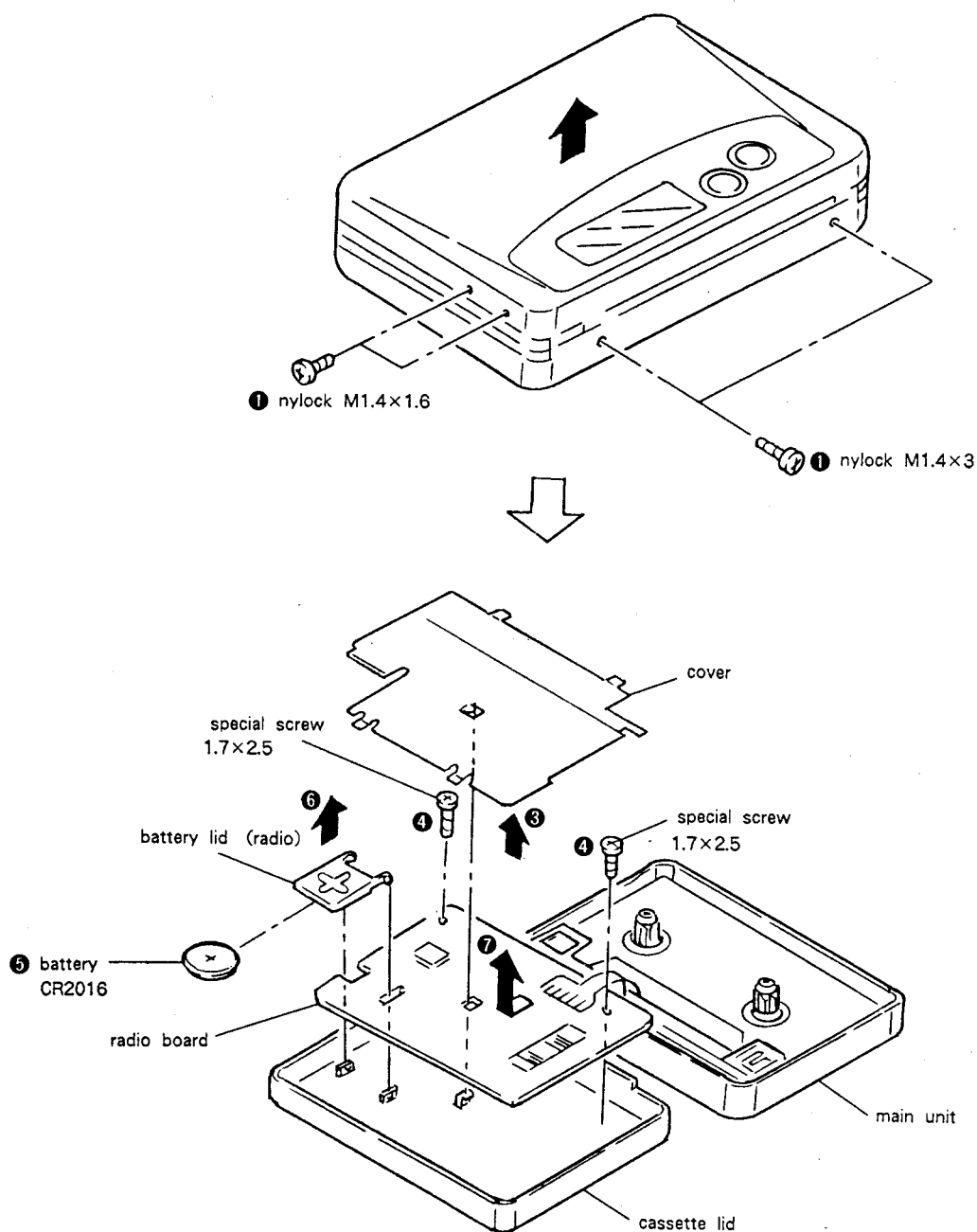


SECTION 2 DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

Remove the radio board

- Before servicing, please write down the frequencies of the broadcasting stations programmed in the preset memory of the tuner. Then re-program the memories after servicing. (Refer to page 4.)
 - Remove in numerical order, ① to ⑦.
- Take care not to damage the flexible board after removing the screw fixing the cassette lid and the arm, since the main unit and the cassette lid are connected by the flexible board only.



SECTION 3 ADJUSTMENTS

3-1. MECHANICAL ADJUSTMENTS

PRECAUTION

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

playback head	rubber belts
capstan	idlers
pinch roller	
- Demagnetize the playback head with a head demagnetizer.
- Do not use a magnetized screwdriver for the adjustments.
- After the adjustments, apply suitable locking compound to the parts adjusted.
- The adjustments should be performed with the rated power supply voltage (1.3V) unless otherwise noted.

Torque Measurement

Mode	Torque Meter	Meter Reading
FWD	CQ-102C	22-38g · cm 0.31-0.52 oz · inch
FWD Back Tension		1.0-3.0g · cm 0.02-0.04 oz · inch
REV	CQ-102RB	22-38g · cm 0.31-0.52 oz · inch
REV Back Tension		1.0-3.0g · cm 0.02-0.04 oz · inch
FF	CQ-201B	more than 50g · cm more than 0.7 oz · inch
REW		more than 50g · cm more than 0.7 oz · inch

Tape Pulling Force Measurement

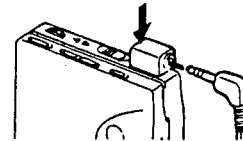
Mode	Tension Meter	Meter Reading
FWD	CQ-403A	more than 50g more than 1.77 oz
REV	CQ-403R	more than 50g more than 1.77 oz

3-2. ELECTRICAL ADJUSTMENTS

PRECAUTION

- Power supply voltage : 1.3V
- Switch position

FM switch :	ST (DX)
DOLBY switch :	OFF
DBB switch :	NORM
- For electrical adjustments, use the supplied plug conversion adaptor (Part No.1-563-133-11).



Cassette Section

TEST TAPE

Type	Signal	Used for
WS-48A	3kHz, 0dB	Tape Speed Adjustment
P-4-A100	10kHz, -10dB	Playback Head Azimuth check
P-4-A063	6.3kHz, -10dB	

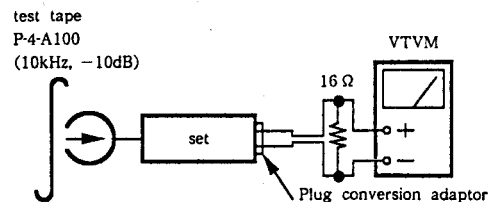
Playback Head Azimuth Check

Note : This set is not featured the head azimuth adjustment.

When replacing the head, check the both L-ch and R-ch output levels and also those phases.

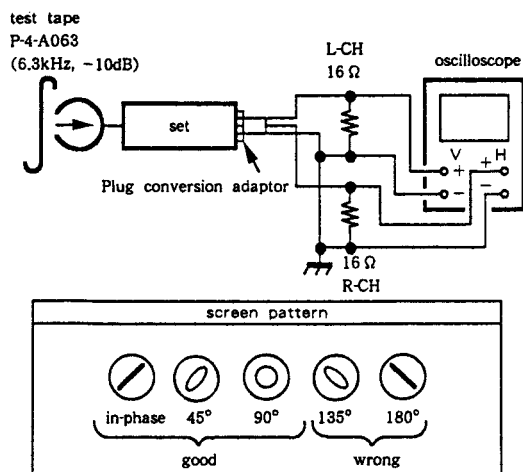
Procedure :

- Playback mode.



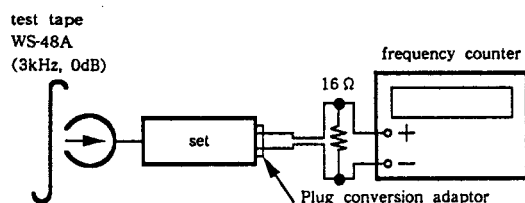
- Playback the P-4-A100 in FWD mode and read the VTVM (both L-ch and R-ch).
- Change to REV mode and read the VTVM (both L-ch and R-ch).
- Confirm that the level difference between step 1 and 2 is within 5dB (both L-ch and R-ch).

2. Phase check



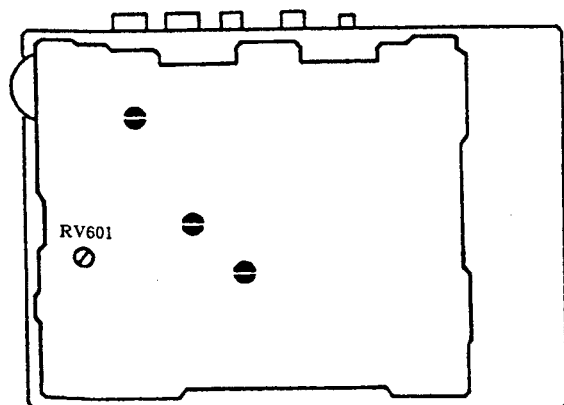
Tape Speed Adjustment

Procedure :



1. Playback WS-48A (tape center portion) in FWD mode. Adjust the RV601 so that the frequency counter reads $3,000\text{Hz} \pm 45\text{Hz}$.
2. Playback WS-48A (tape end portion) in REV mode. Confirm that the reading of frequency counter is within 2.5% from the reading in step 1.

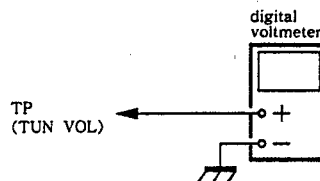
Adjustment Parts Location Diagram



Radio Section

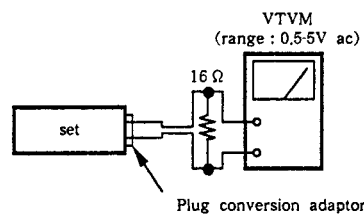
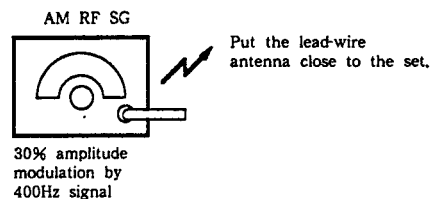
AM SECTION

BAND switch : AM



() : BF605

AM TUNING VOLTAGE ADJUSTMENT	
Adjust for following values on digital voltmeter.	
Display indication	AM530kHz (531kHz)
Digital voltmeter reading	1.1V
Adjustment part	T2



- Repeat the procedures in each adjustment several times, and the tracking adjustment should be finally done by the trimmer capacitors.

() : BF605

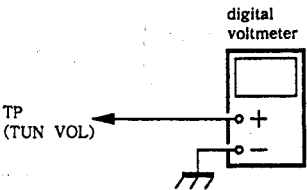
AM TRACKING ADJUSTMENT		
Adjust for a maximum reading on VTVM.		
Display indication	AM630kHz (621kHz)	AM1,490kHz (1,395kHz)
SG frequency	630kHz (621kHz)	1,490kHz (1,395kHz)
Adjustment part	L1	CT1

() : BF605

AM IF ALIGNMENT	
Adjust for a maximum reading on VTVM.	
SG frequency	455kHz
Adjustment part	T1

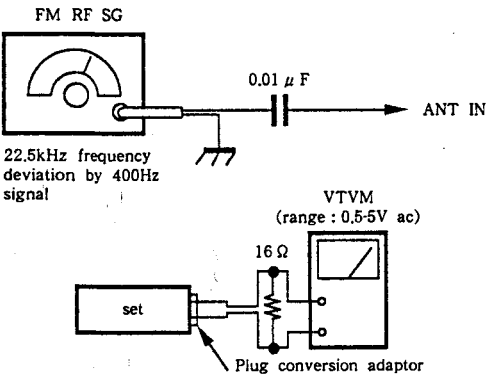
FM SECTION

BAND switch : FM



() : BF605

FM TUNING VOLTAGE ADJUSTMENT	
Adjust for following values on digital voltmeter.	
Display indication	FM87.9MHz (87.5MHz)
Digital voltmeter reading	2.7V
Adjustment part	L3



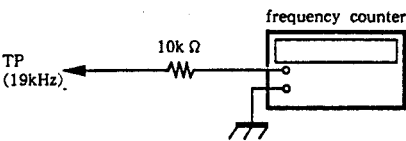
- Repeat the procedures in each adjustment several times, and the tracking adjustment should be finally done by the trimmer capacitors.

() : BF605

FM TRACKING ADJUSTMENT		
Adjust for a maximum reading on VTVM.		
Display indication	FM87.9MHz (87.5MHz)	FM107.9MHz (108.0MHz)
SG frequency	87.9MHz (87.5MHz)	107.9MHz (108.0MHz)
Adjustment part	L2	CT2

VCO Adjustment

BAND switch : FM

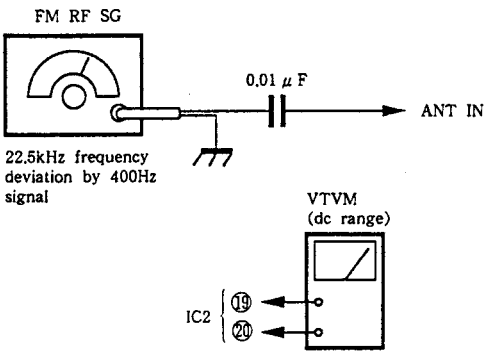


Procedure :

1. Connect an electrolytic capacitor 1 μF between TP (DET OUT) and ground.
2. Adjust RV1 for 19±0.02kHz on the counter.
3. Remove electrolytic capacitor connected in step 1.

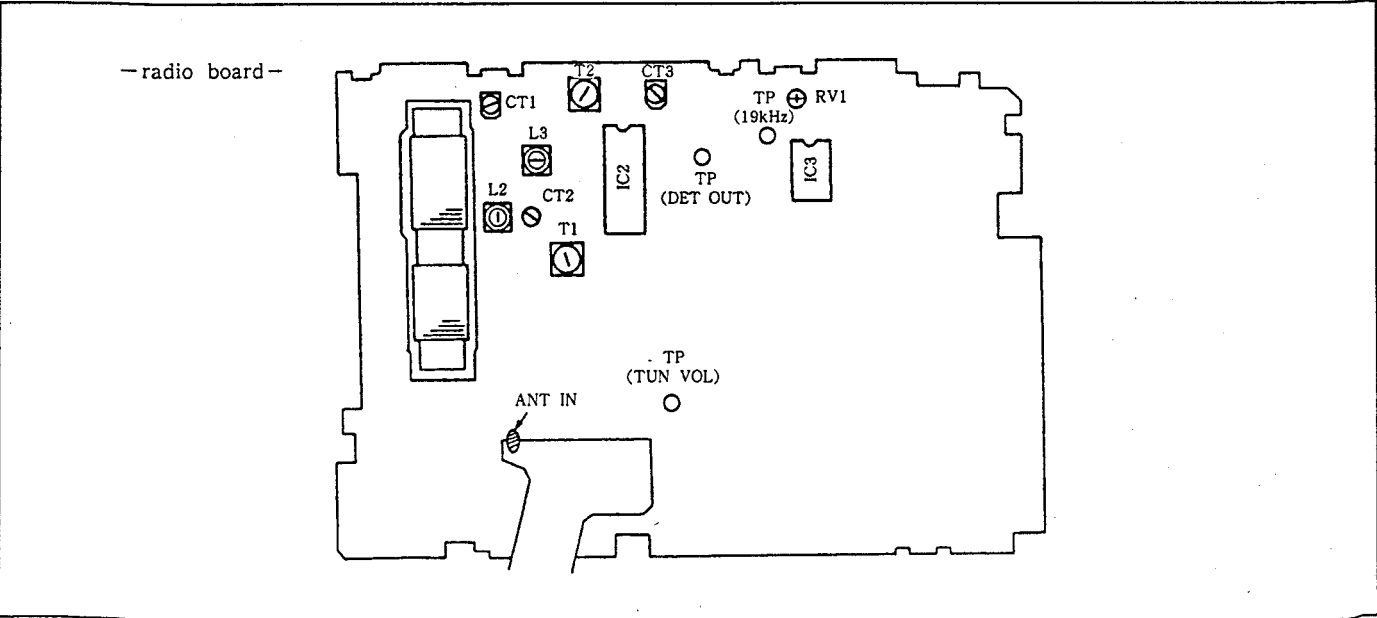
NULL Adjustment

BAND switch : FM



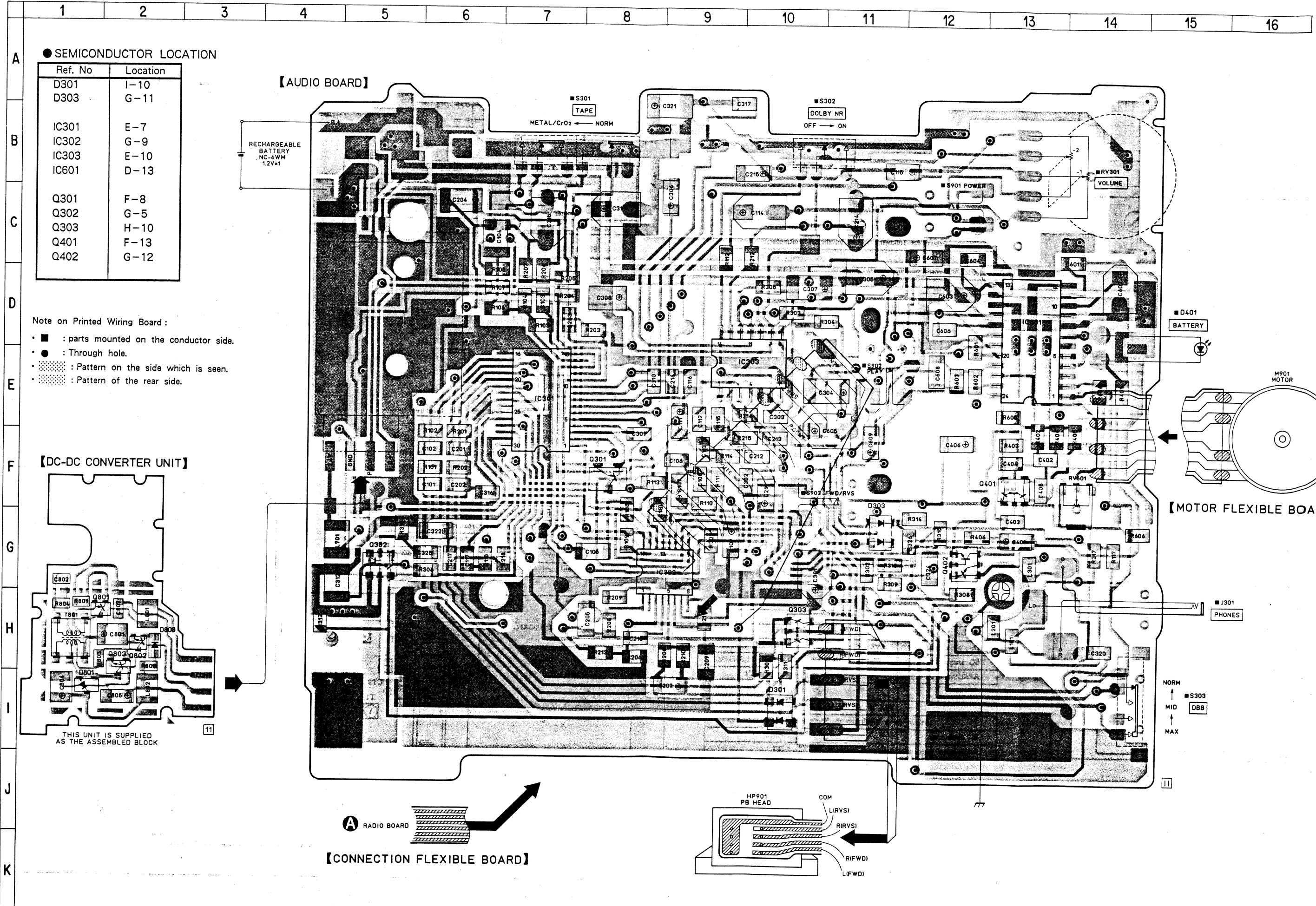
() : BF605

Adjust for 0V reading VTVM.	
Display indication	FM87.9MHz (87.5MHz)
SG frequency	87.9MHz (87.5MHz)
Adjustment part	CT3



SECTION 4 DIAGRAMS

4-1. PRINTED WIRING BOARD -AUDIO SECTION-



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----



16 17 18 19 20

Note on Schematic Diagram :

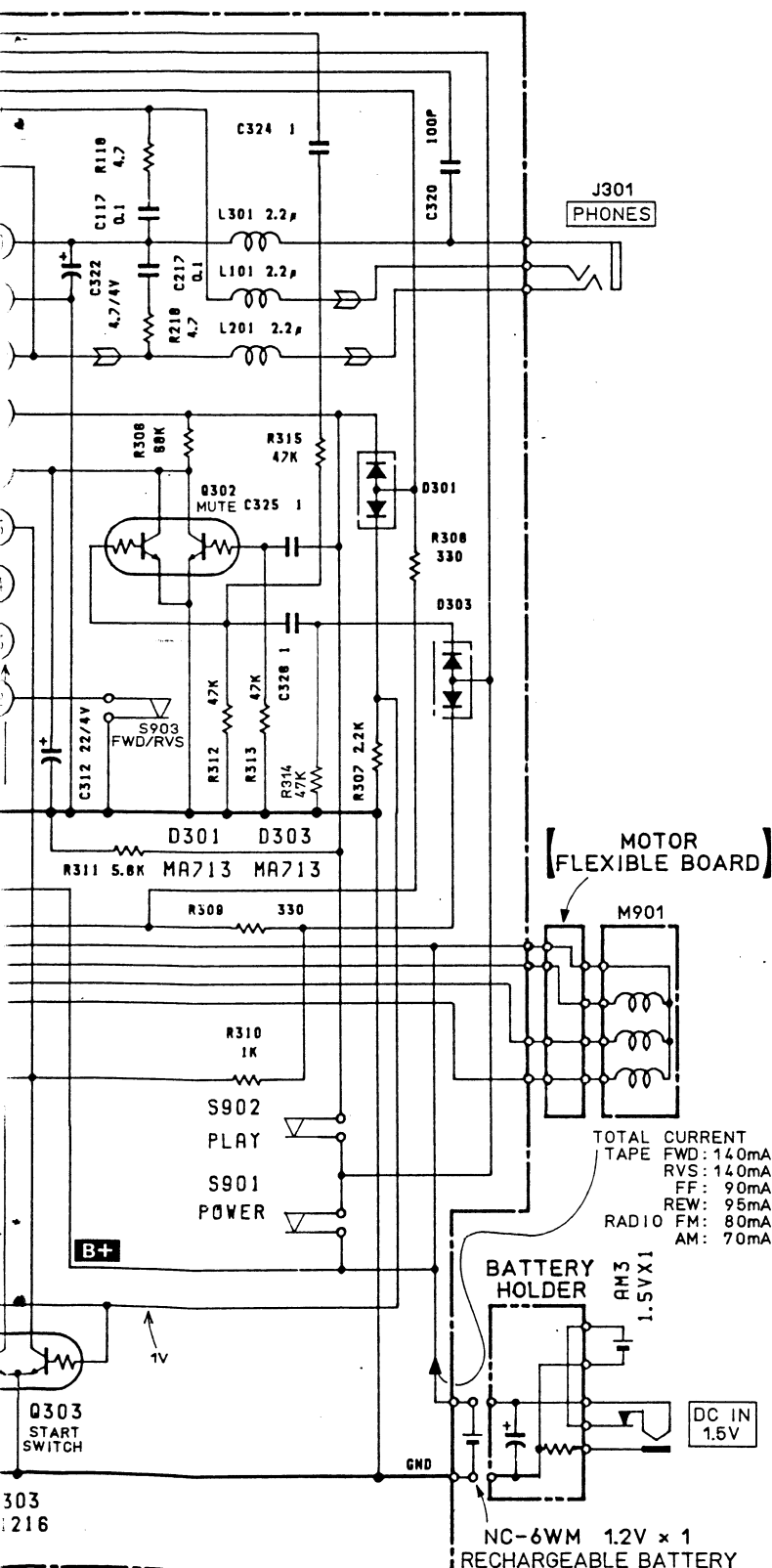
- All capacitors are in μF unless otherwise noted. pF : $\mu \mu F$
50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}W$ or less unless otherwise specified.
- \triangle : internal component.

Note:

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

Note:

Les composants identifiés par une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



Note on Schematic Diagram :

- All capacitors are in μF unless otherwise noted. pF : $\mu \mu F$
50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}W$ or less unless otherwise specified.
- \triangle : internal component.

Note:

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

Note:

Les composants identifiés par une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- **B+** : B+ Line
- : adjustment for repair.
- Total current is measured with no cassette installed.
- Power voltage is dc 1.3V and fed with regulated dc power supply from battery terminal.
- Voltage and waveforms are dc with respect to ground under no-signal in playback mode conditions.
- no mark : FWD
- \blacktriangleright : FWD \blacktriangleleft : REV
- $\blacktriangleright\blacktriangleright$: FF $\blacktriangleleft\blacktriangleleft$: REW
- Voltages are taken with a VOM (input impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
- Signal path.
- \Rightarrow : FM

A

B

C

D

E

F

G

H

I

J

2

3

4

5

6

7

8

9

10

11

12

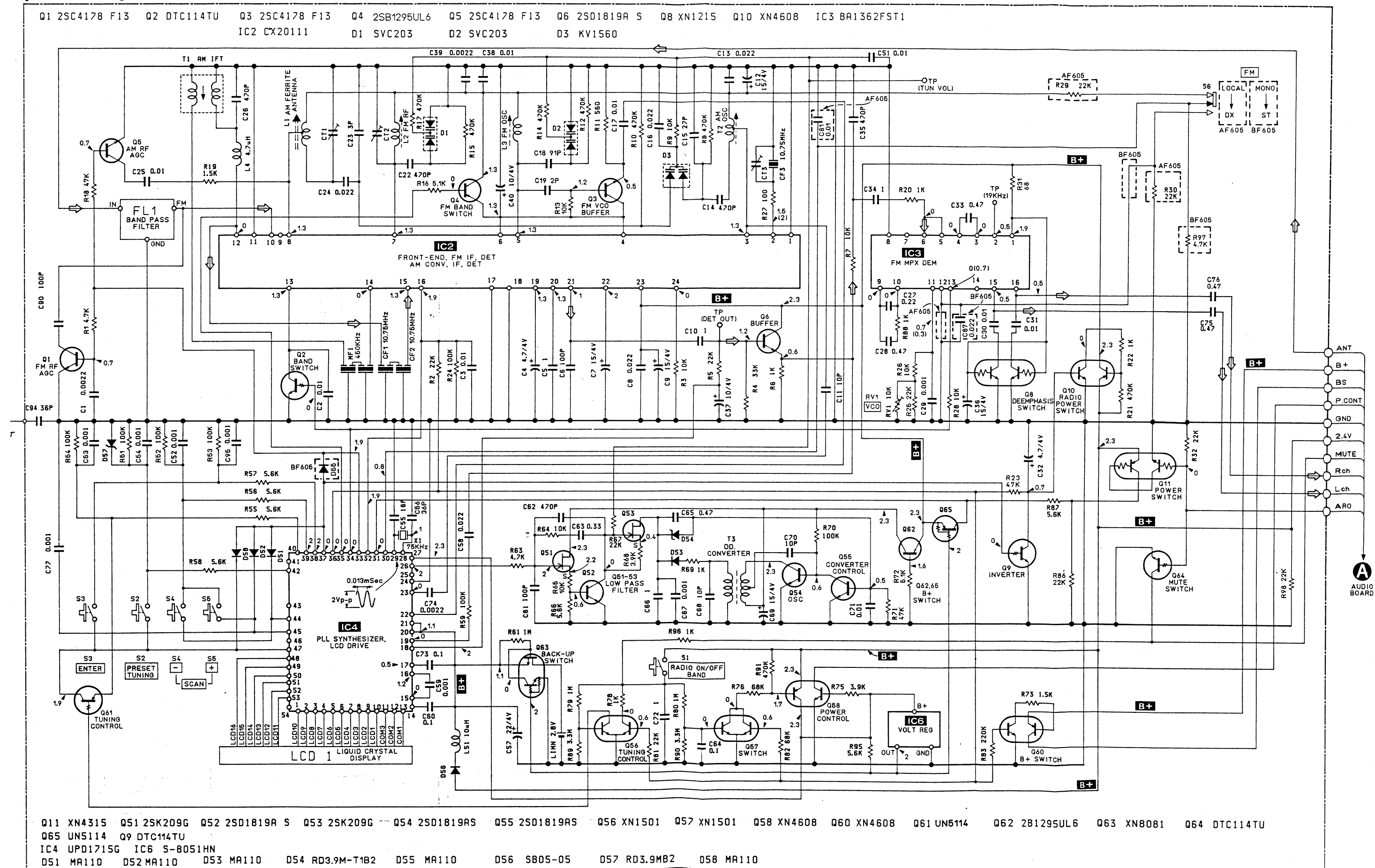
13

14

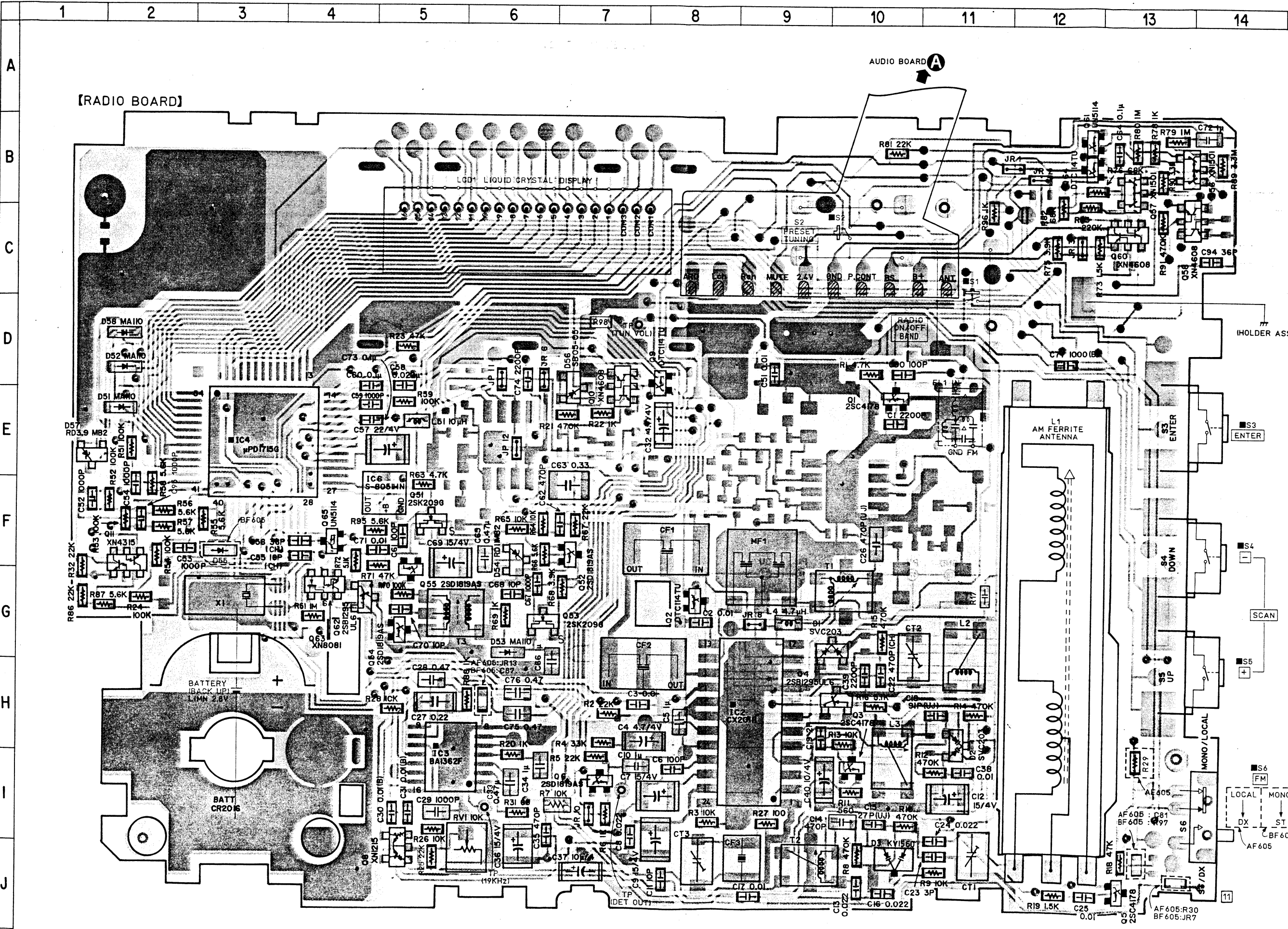
15

16

[RADIO BOARD]



4-4. PRINTED WIRING BOARD -RADIO SECTION-



SEMICONDUCTOR	
Ref. No	Loc.
D1	G-1
D2	H-1
D3	J-1
D51	E-2
D52	D-2
D53	G-6
D54	F-6
D55	F-3
D56	D-7
D57	E-1
D58	D-2
IC2	H-9
IC3	I-5
IC4	E-3
IC6	F-5
Q1	E-1
Q2	G-8
Q3	I-10
Q4	H-1
Q5	J-1
Q6	I-7
Q8	J-5
Q9	D-8
Q10	D-7
Q11	F-2
Q51	F-5
Q52	F-7
Q53	G-6
Q54	G-5
Q55	G-5
Q56	B-13
Q57	B-13
Q58	B-13
Q60	C-13
Q61	B-12
Q62	G-4
Q63	G-4
Q64	B-12
Q65	F-4

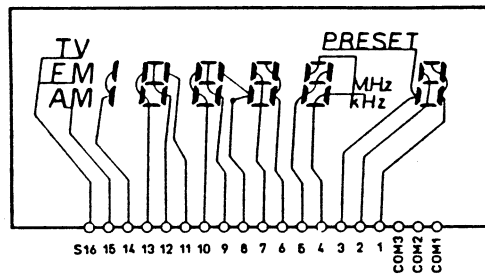
Note in Printed Wiring Board:

- : parts mounted on
- : Pattern on the s
- : Pattern of the re
- : Through hole.

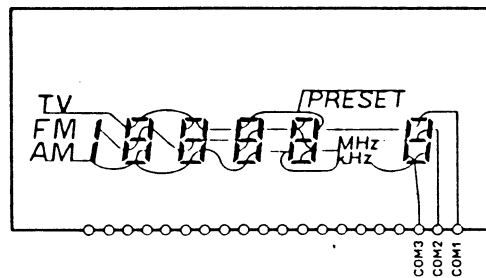
CONDUCTOR LOCATION

No	Location
	G-10
	H-11
	J-10
	E-2
	D-2
	G-6
	F-6
	F-3
	D-7
	E-1
	D-2
	H-9
	I-5
	E-3
	F-5
	E-10
	G-8
	I-10
	H-10
	J-13
	I-7
	J-5
	D-8
	D-7
	F-2
	F-5
	F-7
	G-6
	G-5
	G-5
	B-13
	B-13
	B-13
	C-13
	B-12
	G-4
	G-4
	B-12
	F-4

LCD1 SEGMENT CONNECTION



COMMON CONNECTION



nted Wiring Board :

s mounted on the conductor side.

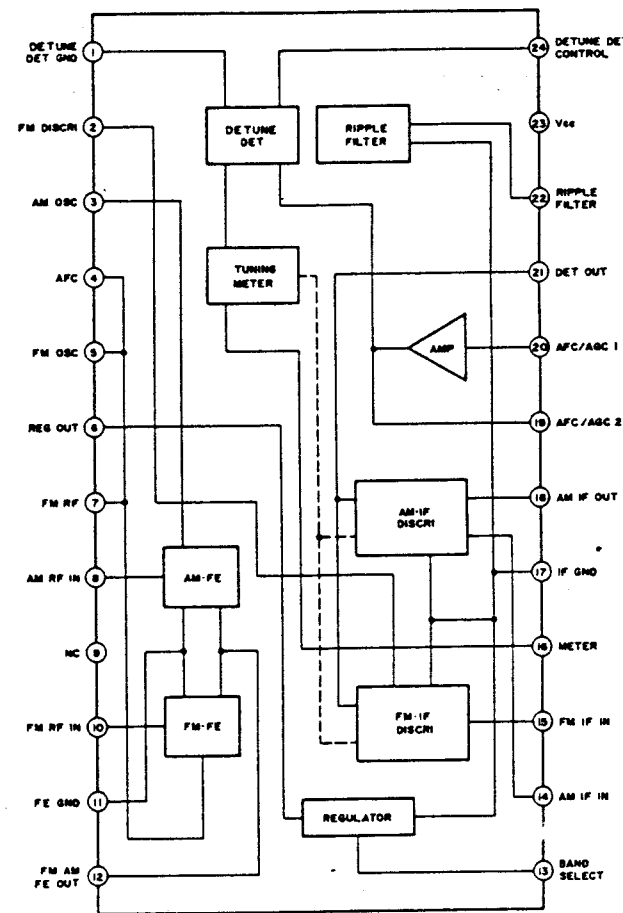
attern on the side which is seen.

attern of the rear side.

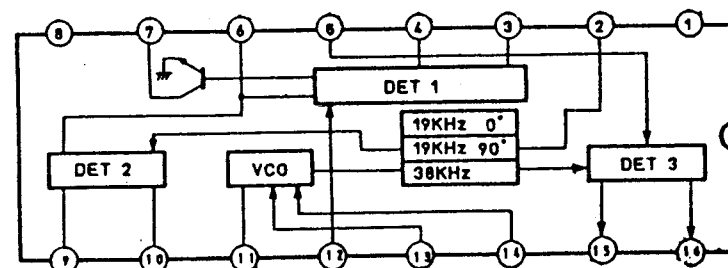
ugh hole.

4.5. IC BLOCK DIAGRAM

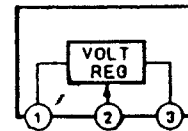
IC2 CX20111



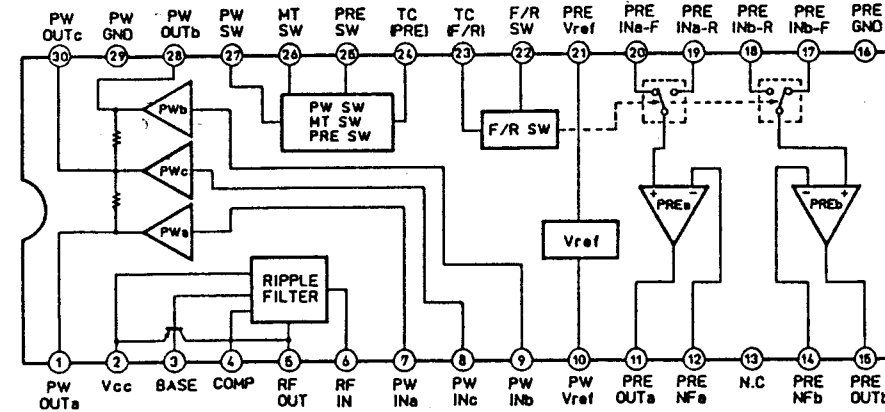
IC3 BA1362FS



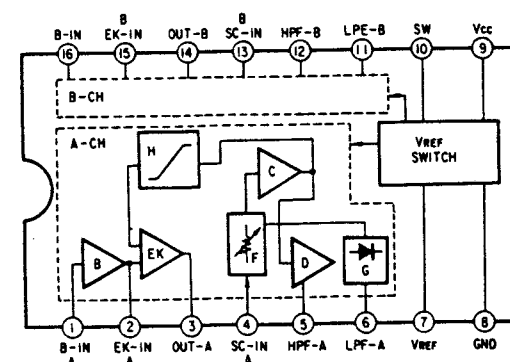
IC6 S8051HN



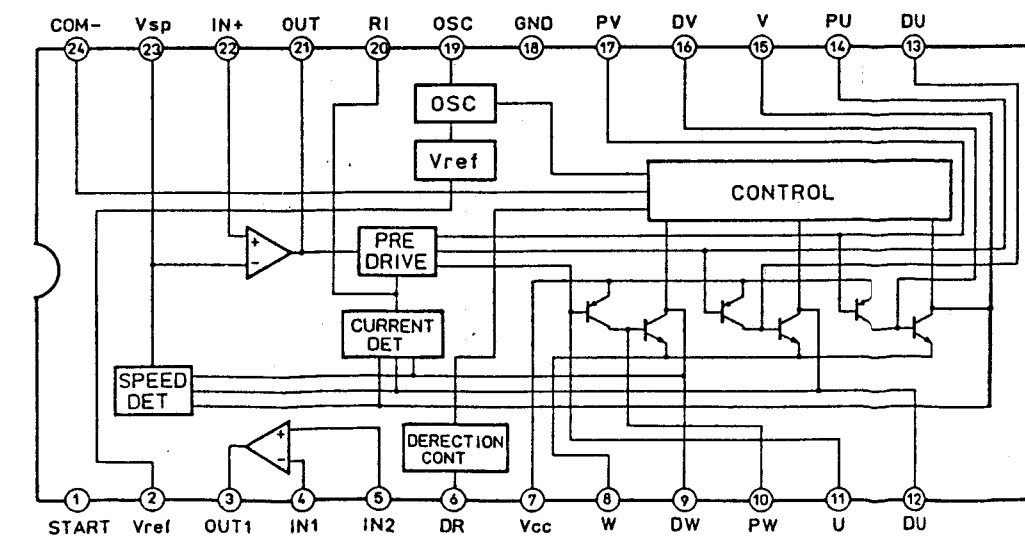
IC301 TA8159FN



IC302 TA7793F

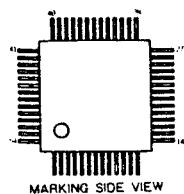


IC601 LB1672M

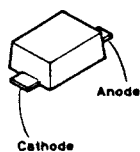


4-6. SEMICONDUCTORS LEAD LAYOUT

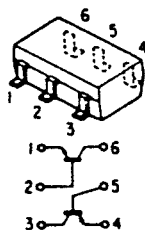
μPD1715G-68-24



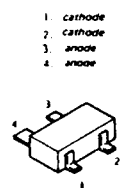
MA110



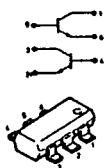
XN4315
XN4608



MA713



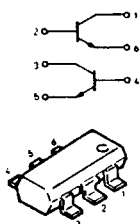
XN5501



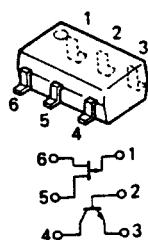
GL2PR90



XN6215



XN8081



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)

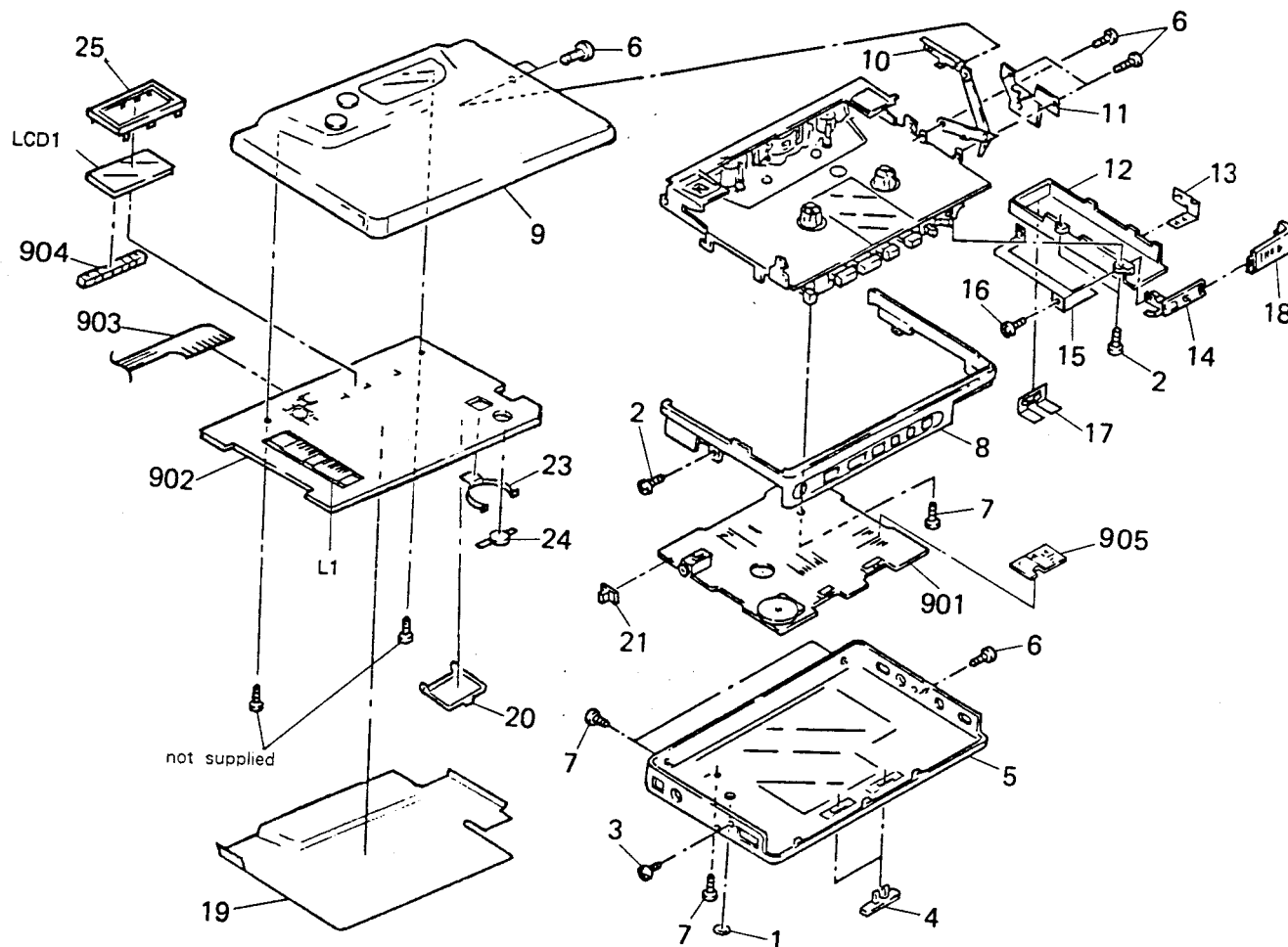
↑
Cabinet's Color

↑
Parts' Color

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

Les composants identifiés par une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

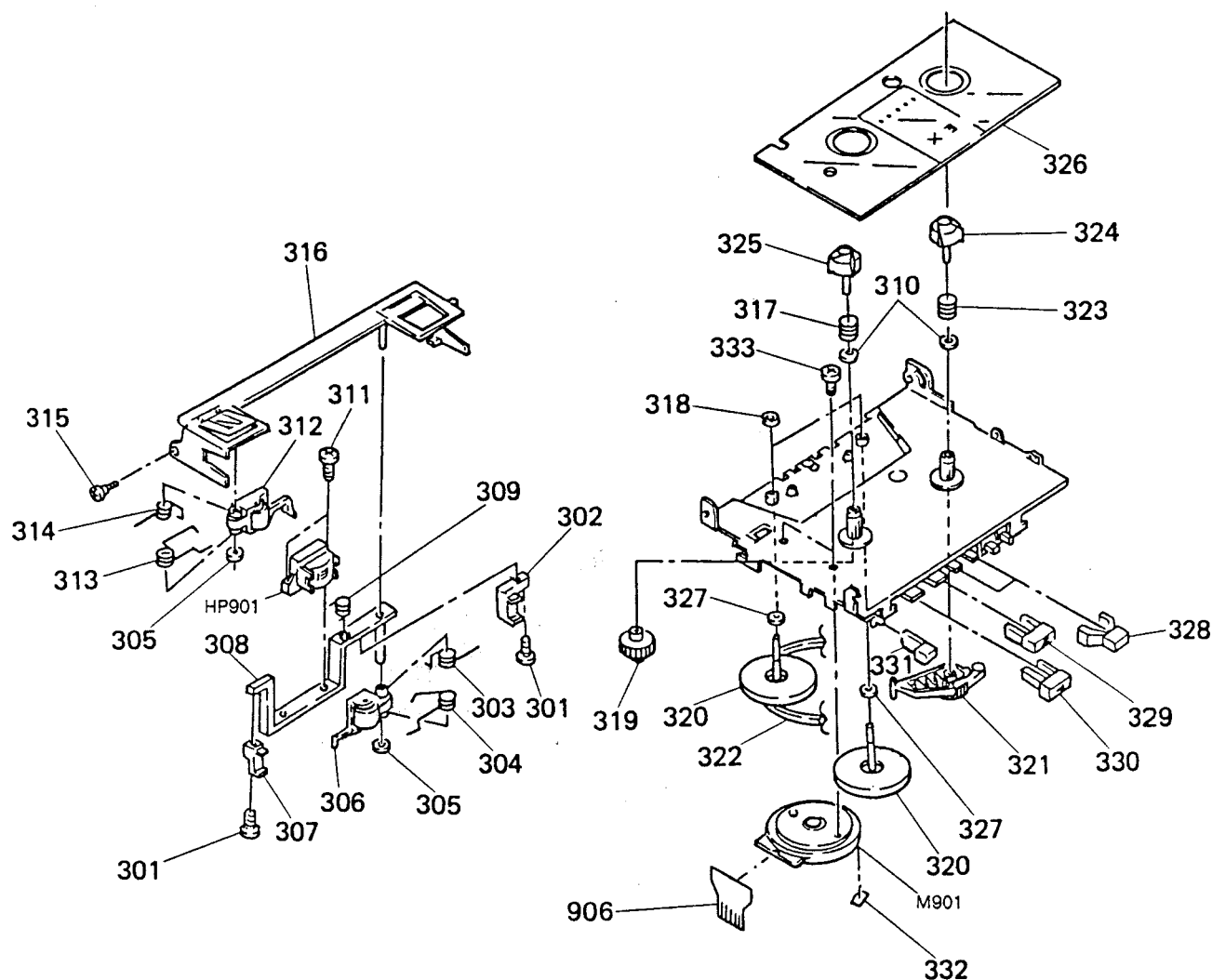
5-1. CABINET



No.	Part No.	Description
1	3-342-380-01	SHEET, SPEED HOLE
2	3-704-197-31	SCREW (M1.4X3.0), LOCKING
3	3-704-197-61	SCREW (M1.4X4.0), LOCKING
4	3-348-187-01	KNOB (TAPE)
5	X-3352-024-1	PANEL ASSY (B), CONTROL
6	3-704-197-01	SCREW (M1.4X1.6), LOCKING
7	3-704-197-11	SCREW (M1.4X2.0), LOCKING
8	3-353-514-01	ORNAMENT, REEL
9	X-3352-023-1	(AF605)...PANEL ASSY, CASSETTE
	X-3352-026-1	(BF605)...PANEL ASSY, CASSETTE
10	X-3352-013-1	ARM ASSY, CLICK
11	3-347-291-01	REINFORCEMENT
12	3-353-104-01	HOLDER, BATTERY
13	3-347-293-01	CONTACT (MINUS)
14	X-3348-113-1	BOARD ASSY, TERMINAL, BATTERY
15	3-347-292-01	CONTACT (PLUS)
16	3-703-502-11	SCREW (1.4X2.0)
17	3-347-294-01	TERMINAL BOARD (MINUS)

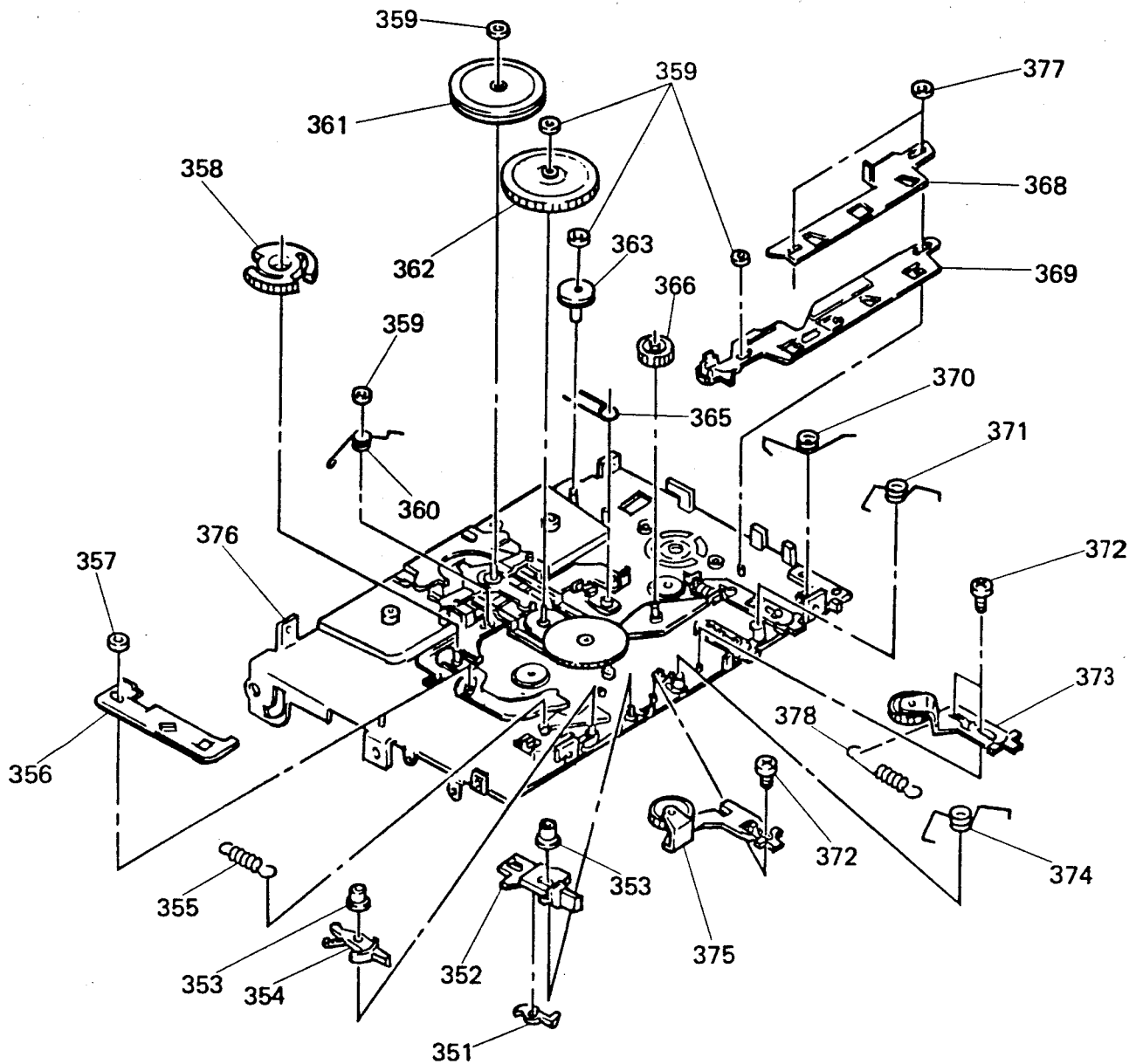
Remarks	No.	Part No.	Description	Remarks
	18	3-353-503-01	LID, BATTERY CASE	
	19	*3-354-408-01	COVER	
	20	3-350-963-01	LID (RADIO), BATTERY CASE	
	21	3-348-186-01	KNOB (DBB)	
	23	3-350-954-01	TERMINAL BOARD (C), BATTERY	
	24	3-350-955-01	TERMINAL BOARD (D), BATTERY	
	25	*3-350-956-01	CASE, SHIELD	
	901	A-3216-818-A	MOUNTED PCB, AUDIO	
	902	A-3216-819-A	(AF605).....MOUNTED PCB, RADIO	
		A-3216-838-A	(BF605:AE2,UK,E33)...MOUNTED PCB, RADIO	
		A-3216-839-A	(BF605:AE5).....MOUNTED PCB, RADIO	
	903	1-630-920-11	PC BOARD, CONNECTION FLEXIBLE	
	904	1-535-749-11	CONDUCTOR (CONNECTION)	
	905	A-3289-663-1	CONVERTER ASSY, DC-DC	
	L1	1-402-282-11	ANTENNA, FERRITE-ROD (MW)	
	LCD1	1-808-578-11	DISPLAY PANEL, LIQUID CRYSTAL	

5-2. MECHANISM-1 (MF-WMF180-01)



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
301	3-348-998-31	SCREW (M1.4X2.5), TAPPING, PAN		319	3-348-151-01	GEAR (TAKE-UP REEL)	
302	*3-344-693-01	GUIDE (LEFT)		320	X-3352-007-1	WHEEL (X) ASSY, CAPSTAN	
303	3-341-468-01	SPRING (R)		321	X-3348-110-1	LEVER ASSY, PICK UP	
304	3-354-420-01	SPRING (PINCH RK), TORSION		322	3-352-022-01	BELT	
305	3-341-473-01	WASHER (MP)		323	3-348-107-01	SPRING, COMPRESSION	
306	X-3331-035-1	PINCH LEVER (R) ASSY		324	3-348-149-01	REEL, SUPPLY	
307	*3-344-694-01	GUIDE (RIGHT)		325	3-348-150-01	REEL, TAKE-UP	
308	*3-345-725-01	LEVER (AZ), HEAD		326	3-353-147-01	COVER (X.A), MD	
309	3-347-205-01	SPRING (HD LEVER), TORSION		327	3-321-394-21	WASHER	
310	3-348-990-11	WASHER (THRUST)		328	3-348-138-01	BUTTON (FR)	
311	3-348-998-71	SCREW (M1.4X4.5), TAPPING, PAN		329	3-348-136-01	BUTTON (STOP)	
312	X-3331-036-1	PINCH LEVER (N) ASSY		330	3-348-134-01	BUTTON (PLAY)	
313	3-354-421-01	SPRING (PINCH NK), TORSION		331	3-348-129-01	BUTTON (OPEN)	
314	3-341-469-01	SPRING (N)		332	3-703-929-01	SPACER (P)	
315	3-352-005-01	SCREW (M1.4X1.6), PRECISION STEP		333	3-354-448-01	SCREW (TOOTH)	
316	X-3352-010-1	HOLDER (T.X) ASSY		906	1-629-873-11	PC BOARD, MOTOR FLEXIBLE	
317	3-348-989-01	SPRING, COMPRESSION		M901	1-541-660-11	MOTOR	
318	3-352-098-01	WASHER, STOPPER		HP901	1-543-650-11	HEAD, MAGNETIC (PLAYBACK)	

5-3. MECHANISM-2 (MF-WMF180-01)



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
351	3-348-101-01	RATCHET		365	3-348-159-01	SPRING (NR), TORSION	
352	3-348-156-01	LEVER, DIR		366	3-352-021-01	GEAR (N.X)	
353	3-348-102-01	BUSHING		368	*3-352-028-01	LEVER (X), SW	
354	3-348-105-01	LEVER, MODE SELECTION		369	X-3348-102-1	LEVER ASSY, LOCK	
355	3-348-163-01	SPRING, TENSION		370	3-348-162-01	SPRING (LOCK), TORSION	
356	*3-352-002-02	LEVER (X), TRIGGER		371	3-348-103-01	SPRING (PLAY), TORSION	
357	3-348-953-11	WASHER		372	3-348-160-01	SCREW (M1.4X1.3), PRECISION PAN	
358	3-352-032-01	GEAR (X), CAM		373	X-3352-004-1	LEVER (X) ASSY, FF	
359	3-348-996-01	WASHER		374	3-348-168-01	SPRING (FR), TORSION	
360	3-348-172-03	SPRING (S.OFF), TORSION		375	X-3352-005-1	LEVER (X) ASSY, REW	
361	3-352-007-01	PULLEY (MIDWAY.X)		376	X-3352-011-1	CHASSIS (X) COMPLETE ASSY	
362	X-3352-006-1	CLUTCH (X) ASSY		377	3-348-953-21	WASHER	
363	3-352-008-01	PULLEY (REVERSE.X)		378	3-352-026-01	SPRING, TENSION	

SECTION 6

ELECTRICAL PARTS LIST

NOTE:

- 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.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:

MF: μ F, PF: μ F.

RESISTORS

- All resistors are in ohms.
- F: nonflammable

COILS

- MMH: mH, UH: μ H

SEMICONDUCTORS

In each case, U: μ , for example:UA...: μ A..., UPA...: μ PA...,UPC...: μ PC, UPD...: μ PD...

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

Les composants identifiés par une marque Δ sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description				
901	A-3216-818-A	MOUNTED PCB, AUDIO				
902	A-3216-819-A	(AF605).....MOUNTED PCB, RADIO				
	A-3216-838-A	(BF605:AE2,UK,E33)..MOUNTED PCB, RADIO				
	A-3216-839-A	(BF605:AE5).....MOUNTED PCB, RADIO				
903	1-630-920-11	PC BOARD, CONNECTION FLEXIBLE				
904	1-535-749-11	CONDUCTOR (CONNECTION)				
905	A-3289-663-1	CONVERTER ASSY, DC-DC				
906	1-629-873-11	PC BOARD, MOTOR FLEXIBLE				
C1	1-162-966-11	CERAMIC CHIP 0.0022MF	10%	50V		
C2	1-162-974-11	CERAMIC CHIP 0.01MF		50V		
C3	1-162-974-11	CERAMIC CHIP 0.01MF		50V		
C4	1-135-151-21	TANTAL. CHIP 4.7MF	20%	4V		
C5	1-164-234-11	CERAMIC CHIP 1MF		10V		
C6	1-162-953-11	CERAMIC CHIP 100PF	5%	50V		
C7	1-135-158-21	TANTAL. CHIP 15MF	20%	4V		
C8	1-162-995-11	CERAMIC CHIP 0.022MF		50V		
C9	1-135-158-21	TANTAL. CHIP 15MF	20%	4V		
C10	1-164-234-11	CERAMIC CHIP 1MF		10V		
C11	1-162-941-11	CERAMIC CHIP 10PF	0.5PF	50V		
C12	1-135-158-21	TANTAL. CHIP 15MF	20%	4V		
C13	1-162-995-11	CERAMIC CHIP 0.022MF		50V		
C14	1-163-133-00	CERAMIC CHIP 470PF	5%	50V		
C15	1-162-920-11	CERAMIC CHIP 27PF	10%	50V		
C16	1-162-995-11	CERAMIC CHIP 0.022MF		50V		
C17	1-162-970-11	CERAMIC CHIP 0.01MF	10%	25V		
C18	1-162-999-11	CERAMIC CHIP 91PF	5%	50V		
C19	1-162-932-11	CERAMIC CHIP 2PF	0.25PF	50V		
C22	1-164-315-11	CERAMIC CHIP 470PF	10%	50V		
C23	1-162-934-11	CERAMIC CHIP 3PF	0.25PF	50V		
C24	1-162-995-11	CERAMIC CHIP 0.022MF		50V		
C25	1-162-974-11	CERAMIC CHIP 0.01MF		50V		
C26	1-163-133-00	CERAMIC CHIP 470PF	5%	50V		
C27	1-162-993-11	CERAMIC CHIP 0.22MF	10%	16V		
C28	1-164-005-11	CERAMIC CHIP 0.47MF		25V		
C29	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V		
C30	1-162-970-11	CERAMIC CHIP 0.01MF	10%	25V		
C31	1-162-970-11	CERAMIC CHIP 0.01MF	10%	25V		
C32	1-135-151-21	TANTAL. CHIP 4.7MF	20%	4V		
C33	1-164-005-11	CERAMIC CHIP 0.47MF		25V		
C34	1-164-234-11	CERAMIC CHIP 1MF		10V		
C35	1-162-962-11	CERAMIC CHIP 470PF	10%	50V		
C36	1-135-158-21	TANTAL. CHIP 15MF	20%	4V		
C37	1-135-201-11	TANTAL. CHIP 10MF	20%	4V		
C38	1-162-970-11	CERAMIC CHIP 0.01MF	10%	25V		
C39	1-162-966-11	CERAMIC CHIP 0.0022MF	10%	50V		
C40	1-135-201-11	TANTAL. CHIP 10MF	20%	4V		
C51	1-162-970-11	CERAMIC CHIP 0.01MF	10%	25V		
C52	1-162-964-11	CERAMIC CHIP 0.001MF	10%	50V		
C53	1-162-964-11	CERAMIC CHIP 0.001MF	10%	50V		
C54	1-162-964-11	CERAMIC CHIP 0.001MF	10%	50V		
C55	1-164-237-11	CERAMIC CHIP 16PF	10%	50V		
C56	1-164-238-11	CERAMIC CHIP 36PF	10%	50V		
C57	1-135-202-21	TANTAL. CHIP 22MF	20%	4V		
C58	1-162-995-11	CERAMIC CHIP 0.022MF		50V		
C59	1-162-964-11	CERAMIC CHIP 0.001MF	10%	50V		
C60	1-164-156-11	CERAMIC CHIP 0.1MF		25V		
C61	1-162-953-11	CERAMIC CHIP 100PF	5%	50V		
C62	1-162-962-11	CERAMIC CHIP 470PF	10%	50V		
C63	1-164-006-11	CERAMIC CHIP 0.33MF	10%	16V		
C64	1-164-156-11	CERAMIC CHIP 0.1MF		25V		
C65	1-164-005-11	CERAMIC CHIP 0.47MF		25V		
C66	1-164-234-11	CERAMIC CHIP 1MF		10V		
C67	1-162-964-11	CERAMIC CHIP 0.001MF	10%	50V		
C68	1-162-941-11	CERAMIC CHIP 10PF	0.5PF	50V		
C69	1-135-158-21	TANTAL. CHIP 15MF	20%	4V		
C70	1-162-941-11	CERAMIC CHIP 10PF	0.5PF	50V		
C71	1-162-974-11	CERAMIC CHIP 0.01MF		50V		
C72	1-164-234-11	CERAMIC CHIP 1MF		10V		
C73	1-164-156-11	CERAMIC CHIP 0.1MF		25V		
C74	1-162-966-11	CERAMIC CHIP 0.0022MF	10%	50V		
C75	1-164-005-11	CERAMIC CHIP 0.47MF		25V		
C76	1-164-005-11	CERAMIC CHIP 0.47MF		25V		
C77	1-162-964-11	CERAMIC CHIP 0.001MF	10%	50V		
C81	1-162-970-11	(AF605)...CERAMIC CHIP 0.01MF	10%	25V		
C87	1-162-995-11	(BF605)...CERAMIC CHIP 0.022MF		50V		
C90	1-162-953-11	CERAMIC CHIP 100PF	5%	50V		
C94	1-164-238-11	CERAMIC CHIP 36PF	10%	50V		
C95	1-162-964-11	CERAMIC CHIP 0.001MF	10%	50V		
C101	1-163-005-11	CERAMIC CHIP 470PF	10%	50V		
C102	1-163-005-11	CERAMIC CHIP 470PF	10%	50V		
C103	1-163-017-00	CERAMIC CHIP 0.0047MF	5%	50V		
C104	1-135-202-21	TANTAL. CHIP 22MF	20%	4V		
C105	1-162-638-11	CERAMIC CHIP 1MF		16V		
C106	1-163-020-00	CERAMIC CHIP 0.0082MF	5%	50V		
C107	1-135-208-11	TANTAL. CHIP 1MF	20%	10V		
C108	1-163-021-11	CERAMIC CHIP 0.01MF	5%	50V		
C109	1-135-192-21	TANTAL. CHIP 0.47MF	10%	20V		
C110	1-163-015-00	CERAMIC CHIP 0.0033MF	5%	50V		
C111	1-135-151-21	TANTAL. CHIP 4.7MF	20%	4V		

Ref.No.	Part No.	Description	QTY	100%	100%	Ref.No.	Part No.	Description	QTY	100%	100%
C112	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V		C607	1-135-179-21	TANTAL. CHIP 2.2MF	20%	16V	
C113	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V		C608	1-162-638-11	CERAMIC CHIP 1MF		16V	
C114	1-126-603-11	ELECT 4.7MF	20%	35V		C609	1-135-151-21	TANTAL. CHIP 4.7MF	20%	4V	
C115	1-135-151-21	TANTAL. CHIP 4.7MF	20%	4V		C801	1-135-158-21	TANTAL. CHIP 15MF	20%	4V	
C116	1-163-011-11	CERAMIC CHIP 0.0015MF	10%	50V		C802	1-162-969-11	CERAMIC CHIP 0.0068MF	10%	25V	
C117	1-163-038-00	CERAMIC CHIP 0.1MF		25V		C804	1-135-158-21	TANTAL. CHIP 15MF	20%	4V	
C201	1-163-005-11	CERAMIC CHIP 470PF	10%	50V		C805	1-135-201-11	TANTAL. CHIP 10MF	20%	4V	
C202	1-163-005-11	CERAMIC CHIP 470PF	10%	50V		C807	1-164-234-11	CERAMIC CHIP 1MF		10V	
C203	1-163-017-00	CERAMIC CHIP 0.0047MF	5%	50V		CF1	1-577-129-11	FILTER, CRYSTAL (10.75MHz)			
C204	1-126-590-11	ELECT CHIP 22MF	20%	4V		CF2	1-577-129-11	FILTER, CRYSTAL (10.75MHz)			
C205	1-162-638-11	CERAMIC CHIP 1MF		16V		CF3	1-567-920-21	FILTER, CERAMIC (10.75MHz)			
C206	1-163-020-00	CERAMIC CHIP 0.0082MF	5%	50V		CT1	1-141-313-11	CAP. VAR, TRIMMER (CHIP TYPE)			
C207	1-135-177-21	TANTAL. CHIP 1MF	20%	25V		CT2	1-141-313-11	CAP. VAR, TRIMMER (CHIP TYPE)			
C208	1-163-021-11	CERAMIC CHIP 0.01MF	5%	50V		CT3	1-141-313-11	CAP. VAR, TRIMMER (CHIP TYPE)			
C209	1-135-145-11	TANTAL. CHIP 0.47MF	20%	35V		D1	8-719-939-02	DIODE SVC203CP			
C210	1-163-015-00	CERAMIC CHIP 0.0033MF	5%	50V		D2	8-719-939-02	DIODE SVC203CP			
C211	1-135-151-21	TANTAL. CHIP 4.7MF	20%	4V		D3	8-719-951-05	DIODE KVI560			
C212	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V		D51	8-719-404-46	DIODE MA110			
C213	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V		D52	8-719-404-46	DIODE MA110			
C214	1-126-603-11	ELECT 4.7MF	20%	35V		D53	8-719-404-46	DIODE MA110			
C215	1-135-151-21	TANTAL. CHIP 4.7MF	20%	4V		D54	8-719-105-58	(BF605)...DIODE RD3.9M-T1B2			
C216	1-163-011-11	CERAMIC CHIP 0.0015MF	10%	50V		D55	8-719-404-46	DIODE MA110			
C217	1-163-038-00	CERAMIC CHIP 0.1MF		25V		D56	8-719-938-75	DIODE SB05-05CP			
C301	1-126-607-11	ELECT 47MF	20%	4V		D57	8-719-105-58	DIODE RD3.9M-T1B2			
C302	1-163-038-00	CERAMIC CHIP 0.1MF		25V		D58	8-719-404-46	DIODE MA110			
C303	1-163-038-00	CERAMIC CHIP 0.1MF		25V		D301	8-719-404-16	DIODE MA713			
C304	1-126-609-11	ELECT CHIP 3.3MF	20%	25V		D303	8-719-404-16	DIODE MA713			
C305	1-126-602-11	ELECT 3.3MF	20%	50V		D401	8-719-976-16	DIODE GL2PR90			
C306	1-135-151-21	TANTAL. CHIP 4.7MF	20%	4V		FL1	1-236-504-11	FILTER, BAND PASS			
C307	1-126-591-11	ELECT CHIP 10MF	20%	6.3V		HP901	1-543-650-11	HEAD, MAGNETIC (PLAYBACK)			
C308	1-135-202-21	TANTAL. CHIP 22MF	20%	4V		IC2	8-752-011-11	IC CX20111			
C309	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V		IC3	8-759-945-89	IC BA1362FS			
C310	1-164-234-11	CERAMIC CHIP 1MF		10V		IC4	8-759-146-01	IC UPD1715G-681-24			
C311	1-126-605-11	ELECT 22MF	20%	6.3V		IC6	8-759-947-95	IC S-8051HN-CD-S			
C312	1-135-202-21	TANTAL. CHIP 22MF	20%	4V		IC301	8-759-231-86	IC TA8159FN			
C314	1-126-811-21	ELECT 330MF		2V		IC302	8-759-230-90	IC TA7793FN-ER			
C315	1-126-607-11	ELECT 47MF	20%	4V		IC303	8-759-805-09	IC CXA1249M			
C316	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V		IC601	8-759-821-20	IC LB1672M			
C317	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V		J301	1-568-254-11	JACK 1P			
C320	1-163-117-00	CERAMIC CHIP 100PF	5%	50V		JR1	1-216-864-11	METAL GLAZE 0 5% 1/16W			
C321	1-126-590-11	ELECT CHIP 22MF	20%	4V		JR2	1-216-864-11	METAL GLAZE 0 5% 1/16W			
C322	1-135-151-21	TANTAL. CHIP 4.7MF	20%	4V		JR3	1-216-864-11	METAL GLAZE 0 5% 1/16W			
C324	1-162-638-11	CERAMIC CHIP 1MF		16V		JR6	1-216-864-11	METAL GLAZE 0 5% 1/16W			
C325	1-164-234-11	CERAMIC CHIP 1MF		10V		JR7	1-216-864-11	(BF605)...METAL GLAZE 0 5% 1/16W			
C326	1-164-234-11	CERAMIC CHIP 1MF		10V		JR8	1-216-864-11	METAL GLAZE 0 5% 1/16W			
C401	1-135-170-21	TANTAL. CHIP 6.8MF	20%	4V		JR10	1-216-864-11	METAL GLAZE 0 5% 1/16W			
C402	1-163-038-00	CERAMIC CHIP 0.1MF		25V		JR11	1-216-864-11	METAL GLAZE 0 5% 1/16W			
C403	1-163-038-00	CERAMIC CHIP 0.1MF		25V		JR12	1-216-864-11	METAL GLAZE 0 5% 1/16W			
C404	1-163-021-11	CERAMIC CHIP 0.01MF	10%	50V		JR13	1-216-864-11	(AF605)...METAL GLAZE 0 5% 1/16W			
C405	1-163-021-11	CERAMIC CHIP 0.01MF	10%	50V		L1	1-402-282-11	ANTENNA, FERRITE-ROD (MW)			
C406	1-135-201-11	TANTAL. CHIP 10MF	20%	4V		L2	1-459-590-11	COIL (WITH CORE)			
C601	1-163-021-11	CERAMIC CHIP 0.01MF	10%	50V		L3	1-459-590-11	COIL (WITH CORE)			
C602	1-126-601-11	ELECT 2.2MF	20%	50V		L4	1-412-002-31	INDUCTOR CHIP 4.7UH			
C603	1-126-601-11	ELECT 2.2MF	20%	50V		L51	1-412-006-31	INDUCTOR CHIP 10UH			
C604	1-163-021-11	CERAMIC CHIP 0.01MF	10%	50V		L101	1-410-997-31	INDUCTOR CHIP 2.2UH			
C605	1-126-601-11	ELECT 2.2MF	20%	50V							
C606	1-163-021-11	CERAMIC CHIP 0.01MF	10%	50V							

Ref.No.	Part No.	Description
L201	1-410-997-31	INDUCTOR CHIP 2.2UH
L301	1-410-997-31	INDUCTOR CHIP 2.2UH
L701	1-410-213-51	INDUCTOR CHIP 56UH
L801	1-410-213-51	INDUCTOR CHIP 56UH
L802	1-410-213-51	INDUCTOR CHIP 56UH
LCD1	1-808-578-11	DISPLAY PANEL, LIQUID CRYSTAL
M901	1-541-660-11	MOTOR
MF1	1-577-261-21	FILTER, CERAMIC (450kHz)
Q1	8-729-117-72	TRANSISTOR 2SC4178F13
Q2	8-729-905-99	TRANSISTOR DTC114TU
Q3	8-729-117-72	TRANSISTOR 2SC4178F13
Q4	8-729-807-87	TRANSISTOR 2SB1295-UL6
Q5	8-729-117-72	TRANSISTOR 2SC4178F13
Q6	8-729-402-31	TRANSISTOR 2SD1819A-S-TX
Q8	8-729-403-17	TRANSISTOR XN1215
Q9	8-729-905-99	TRANSISTOR DTC114TU
Q10	8-729-402-16	TRANSISTOR XN4608
Q11	8-729-422-18	TRANSISTOR XN4315
Q51	8-729-220-93	TRANSISTOR 2SK209G
Q52	8-729-402-31	TRANSISTOR 2SD1819A-Q
Q53	8-729-220-93	TRANSISTOR 2SK209G
Q54	8-729-402-31	TRANSISTOR 2SD1819A-Q
Q55	8-729-402-31	TRANSISTOR 2SD1819A-Q
Q56	8-729-421-23	TRANSISTOR XN1216
Q57	8-729-421-23	TRANSISTOR XN1216
Q58	8-729-402-16	TRANSISTOR XN4608
Q60	8-729-402-16	TRANSISTOR XN4608
Q61	8-729-420-53	TRANSISTOR UN5114
Q62	8-729-807-87	TRANSISTOR 2SB1295-UL6
Q63	8-729-422-13	TRANSISTOR XN8081
Q64	8-729-905-99	TRANSISTOR DTC114TU
Q65	8-729-402-96	TRANSISTOR UN5114
Q301	8-729-807-87	TRANSISTOR 2SB1295-UL6
Q302	8-729-403-10	TRANSISTOR XN6215
Q303	8-729-421-23	TRANSISTOR XN1216
Q401	8-729-421-23	TRANSISTOR XN1216
Q402	8-729-402-75	TRANSISTOR XN5501
R1	1-216-829-11	METAL GLAZE 4.7K 5% 1/16W
R2	1-216-837-11	METAL GLAZE 22K 5% 1/16W
R3	1-216-833-11	METAL GLAZE 10K 5% 1/16W
R4	1-216-839-11	METAL GLAZE 33K 5% 1/16W
R5	1-216-837-11	METAL GLAZE 22K 5% 1/16W
R6	1-216-821-11	METAL GLAZE 1K 5% 1/16W
R7	1-216-073-00	METAL GLAZE 10K 5% 1/10W
R8	1-216-853-11	METAL GLAZE 470K 5% 1/16W
R9	1-216-833-11	METAL GLAZE 10K 5% 1/16W
R10	1-216-853-11	METAL GLAZE 470K 5% 1/16W
R11	1-216-818-11	METAL GLAZE 560 5% 1/16W
R12	1-216-853-11	METAL GLAZE 470K 5% 1/16W
R13	1-216-833-11	METAL GLAZE 10K 5% 1/16W
R14	1-216-853-11	METAL GLAZE 470K 5% 1/16W
R15	1-216-853-11	METAL GLAZE 470K 5% 1/16W
R16	1-218-272-11	METAL GLAZE 5.1K 5% 1/16W
R17	1-216-853-11	METAL GLAZE 470K 5% 1/16W
R18	1-216-841-11	METAL GLAZE 47K 5% 1/16W

Ref.No.	Part No.	Description
R19	1-216-823-11	METAL GLAZE 1.5K 5% 1/16W
R20	1-216-821-11	METAL GLAZE 1K 5% 1/16W
R21	1-216-853-11	METAL GLAZE 470K 5% 1/16W
R22	1-216-821-11	METAL GLAZE 1K 5% 1/16W
R23	1-216-841-11	METAL GLAZE 47K 5% 1/16W
R24	1-216-845-11	METAL GLAZE 100K 5% 1/16W
R25	1-216-837-11	METAL GLAZE 22K 5% 1/16W
R26	1-216-833-11	METAL GLAZE 10K 5% 1/16W
R27	1-216-809-11	METAL GLAZE 100 5% 1/16W
R28	1-216-833-11	METAL GLAZE 10K 5% 1/16W
R29	1-216-837-11	(AF605)...METAL GLAZE 22K 5% 1/16W
R30	1-216-837-11	(AF605)...METAL GLAZE 22K 5% 1/16W
R31	1-216-807-11	METAL GLAZE 68 5% 1/16W
R32	1-216-837-11	METAL GLAZE 22K 5% 1/16W
R51	1-216-845-11	METAL GLAZE 100K 5% 1/16W
R52	1-216-845-11	METAL GLAZE 100K 5% 1/16W
R53	1-216-845-11	METAL GLAZE 100K 5% 1/16W
R54	1-216-845-11	METAL GLAZE 100K 5% 1/16W
R55	1-216-830-11	METAL GLAZE 5.6K 5% 1/16W
R56	1-216-830-11	METAL GLAZE 5.6K 5% 1/16W
R57	1-216-830-11	METAL GLAZE 5.6K 5% 1/16W
R58	1-216-830-11	METAL GLAZE 5.6K 5% 1/16W
R59	1-216-845-11	METAL GLAZE 100K 5% 1/16W
R61	1-216-857-11	METAL GLAZE 1M 5% 1/16W
R63	1-216-829-11	METAL GLAZE 4.7K 5% 1/16W
R64	1-216-833-11	METAL GLAZE 10K 5% 1/16W
R65	1-216-833-11	METAL GLAZE 10K 5% 1/16W
R66	1-216-830-11	METAL GLAZE 5.6K 5% 1/16W
R67	1-216-837-11	METAL GLAZE 22K 5% 1/16W
R68	1-216-828-11	METAL GLAZE 3.9K 5% 1/16W
R69	1-216-821-11	METAL GLAZE 1K 5% 1/16W
R70	1-216-845-11	METAL GLAZE 100K 5% 1/16W
R71	1-216-841-11	METAL GLAZE 47K 5% 1/16W
R72	1-218-272-11	METAL GLAZE 5.1K 5% 1/16W
R73	1-216-823-11	METAL GLAZE 1.5K 5% 1/16W
R75	1-216-828-11	METAL GLAZE 3.9K 5% 1/16W
R76	1-216-843-11	METAL GLAZE 68K 5% 1/16W
R78	1-216-821-11	METAL GLAZE 1K 5% 1/16W
R79	1-216-857-11	METAL GLAZE 1M 5% 1/16W
R80	1-216-857-11	METAL GLAZE 1M 5% 1/16W
R81	1-216-837-11	METAL GLAZE 22K 5% 1/16W
R82	1-216-843-11	METAL GLAZE 68K 5% 1/16W
R83	1-216-849-11	METAL GLAZE 220K 5% 1/16W
R86	1-216-837-11	METAL GLAZE 22K 5% 1/16W
R87	1-216-830-11	METAL GLAZE 5.6K 5% 1/16W
R88	1-216-821-11	METAL GLAZE 1K 5% 1/16W
R89	1-216-863-11	METAL GLAZE 3.3M 5% 1/16W
R90	1-216-863-11	METAL GLAZE 3.3M 5% 1/16W
R91	1-216-853-11	METAL GLAZE 470K 5% 1/16W
R95	1-216-830-11	METAL GLAZE 5.6K 5% 1/16W
R96	1-216-821-11	METAL GLAZE 1K 5% 1/16W
R97	1-216-829-11	(BF605)...METAL GLAZE 4.7K 5% 1/16W
R98	1-216-837-11	METAL GLAZE 22K 5% 1/16W
R101	1-216-089-00	METAL GLAZE 47K 5% 1/10W
R102	1-216-089-00	METAL GLAZE 47K 5% 1/10W
R103	1-216-117-00	METAL GLAZE 680K 5% 1/10W
R104	1-216-084-00	METAL GLAZE 30K 5% 1/10W

Ref.No.	Part No.	Description			
R105	1-216-091-00	METAL GLAZE	56K	5%	1/10W
R106	1-216-047-00	METAL GLAZE	820	5%	1/10W
R107	1-216-093-00	METAL GLAZE	68K	5%	1/10W
R108	1-216-086-00	METAL GLAZE	36K	5%	1/10W
R109	1-216-085-00	METAL GLAZE	33K	5%	1/10W
R110	1-216-076-00	METAL GLAZE	13K	5%	1/10W
R111	1-216-111-00	METAL GLAZE	390K	5%	1/10W
R112	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R113	1-216-070-00	METAL GLAZE	7.5K	5%	1/10W
R114	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R115	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R117	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R118	1-216-308-00	METAL GLAZE	4.7	5%	1/10W
R201	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R202	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R203	1-216-117-00	METAL GLAZE	680K	5%	1/10W
R204	1-216-084-00	METAL GLAZE	30K	5%	1/10W
R205	1-216-091-00	METAL GLAZE	56K	5%	1/10W
R206	1-216-047-00	METAL GLAZE	820	5%	1/10W
R207	1-216-093-00	METAL GLAZE	68K	5%	1/10W
R208	1-216-086-00	METAL GLAZE	36K	5%	1/10W
R209	1-216-085-00	METAL GLAZE	33K	5%	1/10W
R210	1-216-076-00	METAL GLAZE	13K	5%	1/10W
R211	1-216-111-00	METAL GLAZE	390K	5%	1/10W
R212	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R213	1-216-070-00	METAL GLAZE	7.5K	5%	1/10W
R214	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R215	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R217	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R218	1-216-308-00	METAL GLAZE	4.7	5%	1/10W
R301	1-216-079-00	METAL GLAZE	18K	5%	1/10W
R302	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R303	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R304	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R305	1-216-083-00	METAL GLAZE	27K	5%	1/10W
R306	1-216-093-00	METAL GLAZE	68K	5%	1/10W
R307	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R308	1-216-037-00	METAL GLAZE	330	5%	1/10W
R309	1-216-037-00	METAL GLAZE	330	5%	1/10W
R310	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R311	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W
R312	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R313	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R314	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R315	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R401	1-216-041-00	METAL GLAZE	470	5%	1/10W
R402	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R403	1-216-033-00	METAL GLAZE	220	5%	1/10W
R404	1-216-033-00	METAL GLAZE	220	5%	1/10W
R405	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R406	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R601	1-216-029-00	METAL GLAZE	150	5%	1/10W
R602	1-216-105-00	METAL GLAZE	220K	5%	1/10W
R603	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R604	1-216-075-00	METAL GLAZE	12K	5%	1/10W
R605	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R606	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W

Ref.No.	Part No.	Description
RV1	1-237-927-11	RES, ADJ, CERMET 10K (VOC)
RV301	1-238-488-11	RES, VAR, CARBON 10K/10K (VOLUME)
RV601	1-238-202-11	RES, ADJ, METAL GLAZE 2.2K (TAPE SPEED)
S1	1-571-533-31	SWITCH, KEY BOARD (RADIO ON/OFF BAND)
S2	1-571-533-31	SWITCH, KEY BOARD (PRESET TUNING)
S3	1-570-204-21	SWITCH, KEY BOARD (ENTER)
S4	1-570-204-21	SWITCH, KEY BOARD (SCAN -)
S5	1-570-204-21	SWITCH, KEY BOARD (SCAN +)
S6	1-571-275-11	SWITCH, SLIDE (FM)
S301	1-571-277-11	SWITCH, SLIDE (TAPE)
S302	1-571-275-11	SWITCH, SLIDE (DOLBY NR)
S303	1-571-506-11	SWITCH, SLIDE (DBB)
S901	1-571-585-11	SWITCH, PUSH (1 KEY)(POWER)
S902	1-571-585-11	SWITCH, PUSH (1 KEY)(PLAY)
S903	1-571-585-11	SWITCH, PUSH (1 KEY)(FWD/RVS)
T1	1-404-690-11	TRANSFORMER, IF (455kHz)
T2	1-406-177-11	COIL (AM OSC)
T3	1-449-021-21	TRANSFORMER, DC-DC CONVERTER
X1	1-577-262-11	VIBRATOR, CRYSTAL

ACCESSORY & PACKING MATERIAL

1-526-565-12	(BF605)...AC PLUG ADAPTOR
1-528-176-11	(AF605)...BATTERY, STORAGE (NC-5WM)
1-528-221-21	(US).....BATTERY CHARGER (BC-7F)
1-528-224-14	(Canadian).....BATTERY CHARGER (BC-7F)
1-528-234-11	(E33).....BATTERY CHARGER (BC-7L)
1-528-251-11	(BF605:AE2,AE5)...BATTERY CHARGER (BC-7S)
1-528-252-11	(UK).....BATTERY CHARGER (BC-7S)
1-528-231-11	(BF605)...BATTERY, NICKEL CADMIUM(NC-6WM)
1-550-492-11	CASE, BATTERY
*3-352-067-01	(AF605)...CUSHION (LOWER)
*3-352-084-01	(AF605)...CUSHION (UPPER)
*3-354-401-01	(BF605)...CUSHION (LOWER)
*3-354-402-01	(BF605)...CUSHION (UPPER)
*3-352-085-01	(AF605).....INDIVIDUAL CARTON
*3-354-403-01	(BF605:AE2,UK,AE5)...INDIVIDUAL CARTON
*3-354-405-01	(E33).....INDIVIDUAL CARTON
3-750-514-11	(EXCEPT FOR US)...MANUAL, INSTRUCTION
3-750-514-21	(US).....MANUAL, INSTRUCTION
8-952-260-92	(EXCEPT FOR E33)
	...HEADPHONE MDR-W10L//K SET
8-952-350-90	(E33).....HEADPHONE MDR-E454 SET