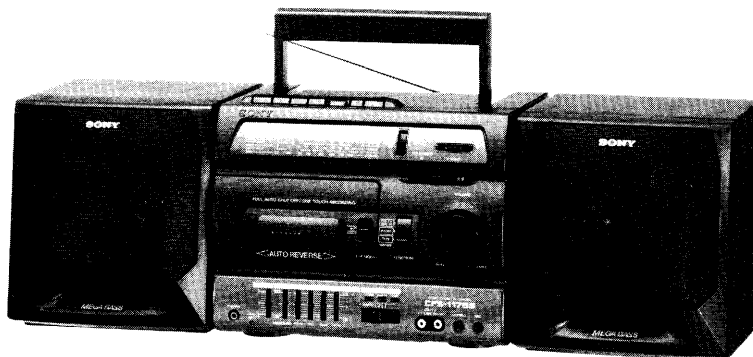


CFS-1175S

SERVICE MANUAL

E Model



Model Name Using Similar Mechanism

NEW

Tape Transport Mechanism Type

MF-1175-102

SPECIFICATIONS

Frequency range

Sales area	FM	MW	SW
Saudi Arabia model	87.6 – 107MHz	530– 1,605kHz	SW1 : 2.3 – 7MHz SW2 : 7 – 22MHz
Singapore, United Arab Emirates model	87.6 – 108MHz		

- **IF FM:** 10.7MHz/MW/SW: 455kHz
- **Aerials** FM/SW: Telescopic antenna/MW: Built-in ferrite bar
- **Recording system** 4-track, 2-channel stereo
- **Frequency response** 80–10,000Hz
- **Speakers** Woofer: 10cm (4 inches) dia., cone type/Tweeter: 5cm (2 inches) dia.
- **Input** Mixing Microphone input jack (mini jack), sensitivity 3 mV, for low impedance microphone. CD/TV LINE IN jacks(phono jacks), sensitivity 0.3 V, input impedance 47 kilohms
- **Output** Headphones jack (stereo minijack), for 16–68 ohms impedance headphones
- **Maximum Power output** 6.5W+6.5W
- **Battery life**
FM Recording: Sony R20P: Approx. 10 hours/Sony LR20 alkaline: Approx. 29hours
Playback: Sony R20P: Approx. 3 hours/Sony LR20 alkaline: Approx. 9 hours
- **Power requirements** 110–120V/220–240 V AC selectable, 50/60Hz 9V DC, six R20 (size D) batteries
- **Power consumption** AC 20W
- **Dimensions** Approx. 670 x 217 x 206.5 mm (w/h/d) (26 3/8 x 8 1/2 x 8 1/8 inches) incl. projecting parts and controls, not incl. handle
- **Mass** Approx. 5.3kg (11 lb 11 oz) not incl. batteries, projecting parts and controls
- **Supplied accessory** AC power cord (1)

Design and specifications are subject to change without notice.

RADIO CASSETTE-CORDER

SONY®



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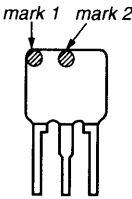
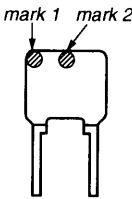
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SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK $\triangle$ OR DOTTED LINE WITH MARK $\triangle$ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

● Center Frequency

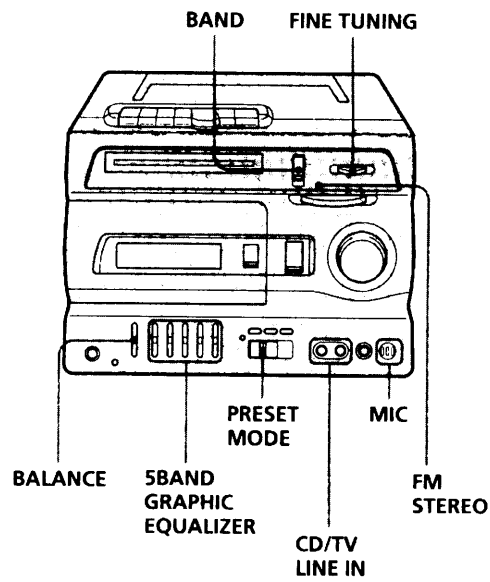
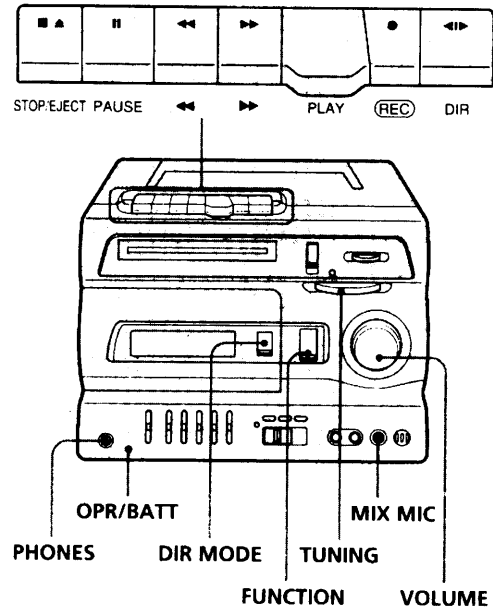
This set employs ceramic filters (CF1, 2, 3) which should have the same color marking to identify their center frequency.

		
mark 1	mark 2	Center frequency
red	—	10.70MHz
blue	—	10.67MHz
orange	—	10.73MHz
black	—	10.64MHz
white	—	10.76MHz
white	white	10.75MHz
Yellow	—	10.79MHz

SECTION 1 GENERAL

This section is extracted from instruction manual.

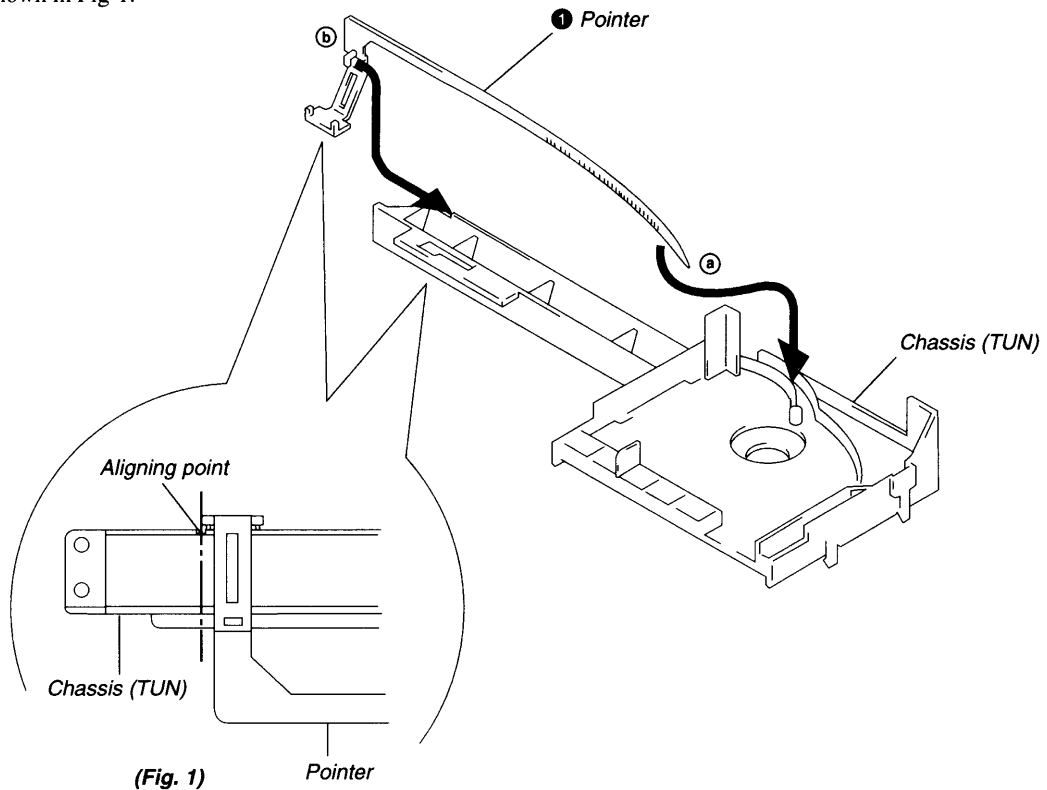
LOCATION OF CONTROLS



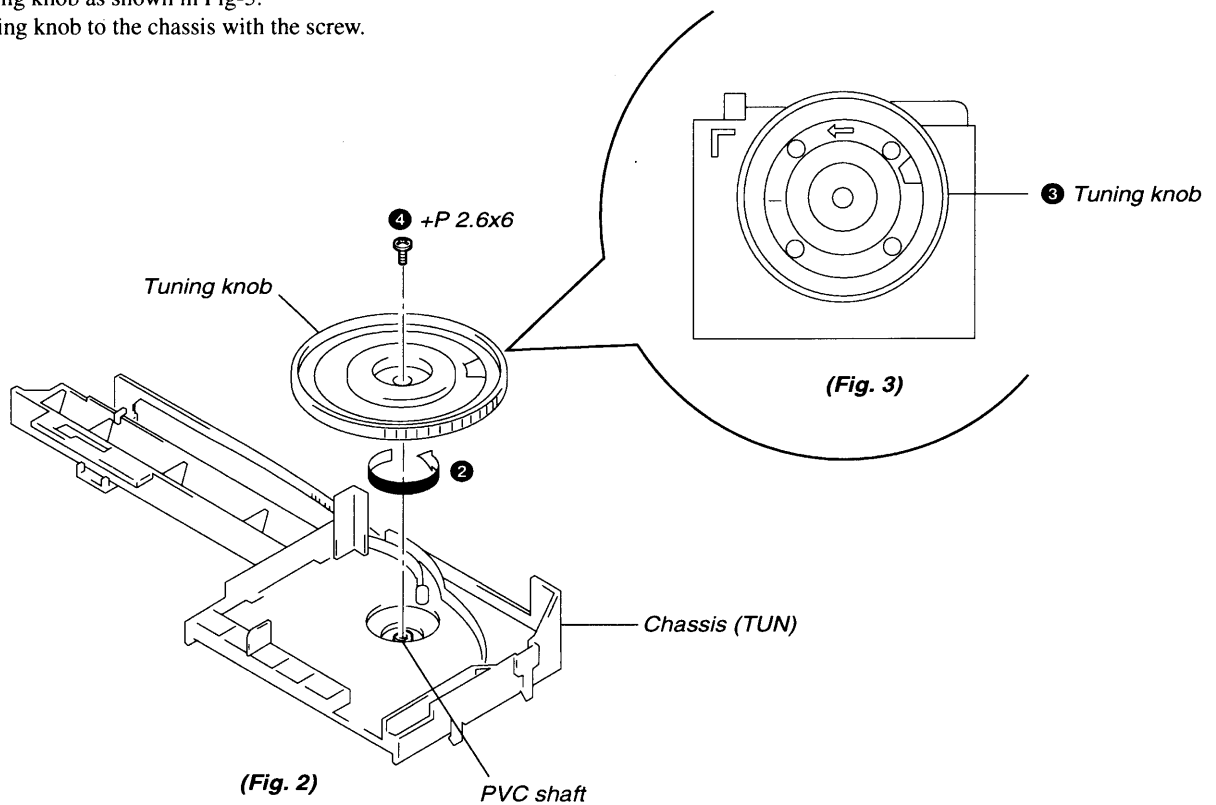
SECTION 2 DIAL POINTER INSTALLATION

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

- Put ③ side of into groove and then install ② side to chassis (TUN) by sliding.
- Confirm the pointer operation by turning chassis.
- Align the pointer as shown in Fig-1.

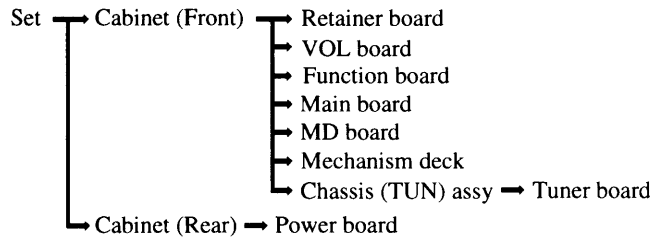


- when setting the tuning knob, rotate PVC shaft full counterclockwise. (Fig-2)
- Install the tuning knob as shown in Fig-3.
- Fasten the tuning knob to the chassis with the screw.



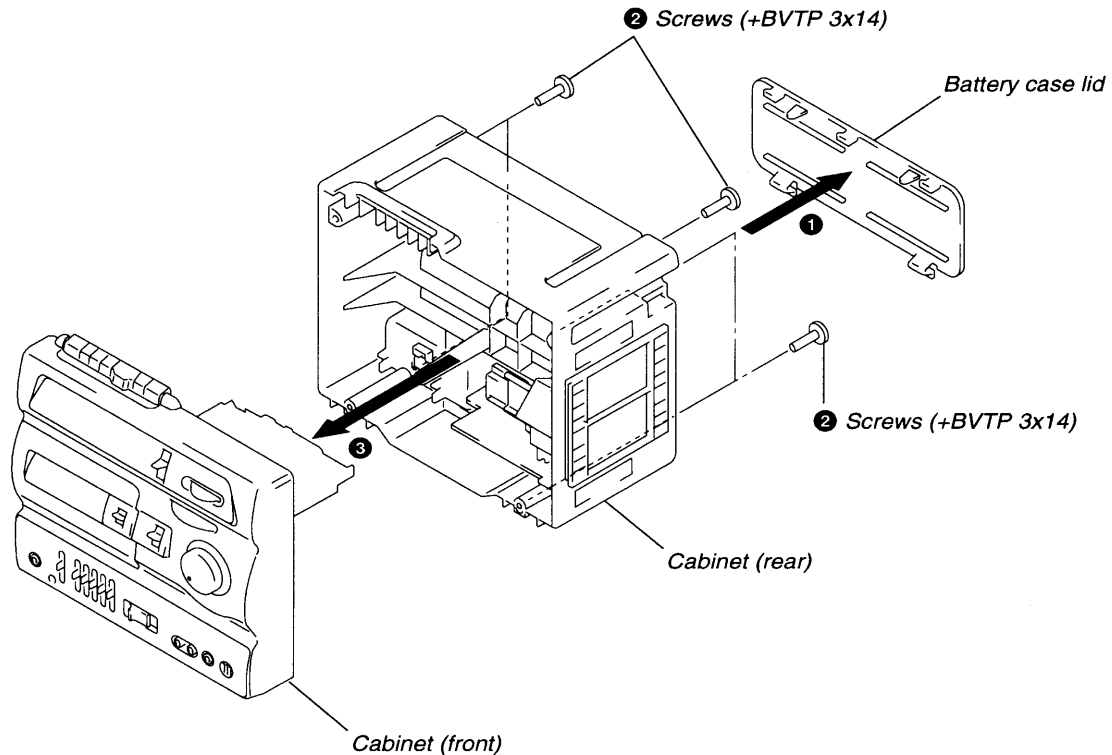
SECTION 3 DISASSEMBLY

- The equipment can be removed using the following procedure.

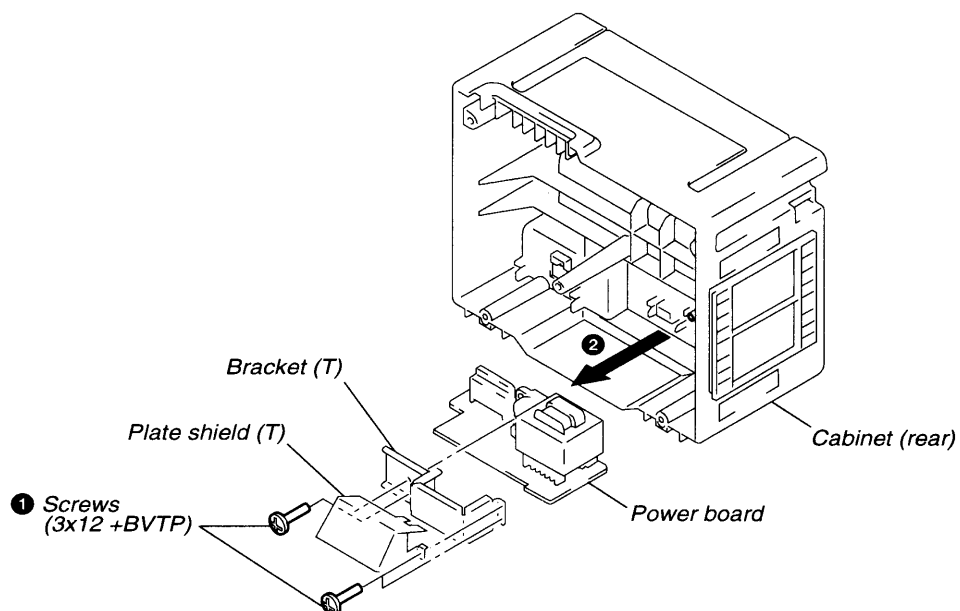


Note : Follow the disassembly procedure in the numerical order given.

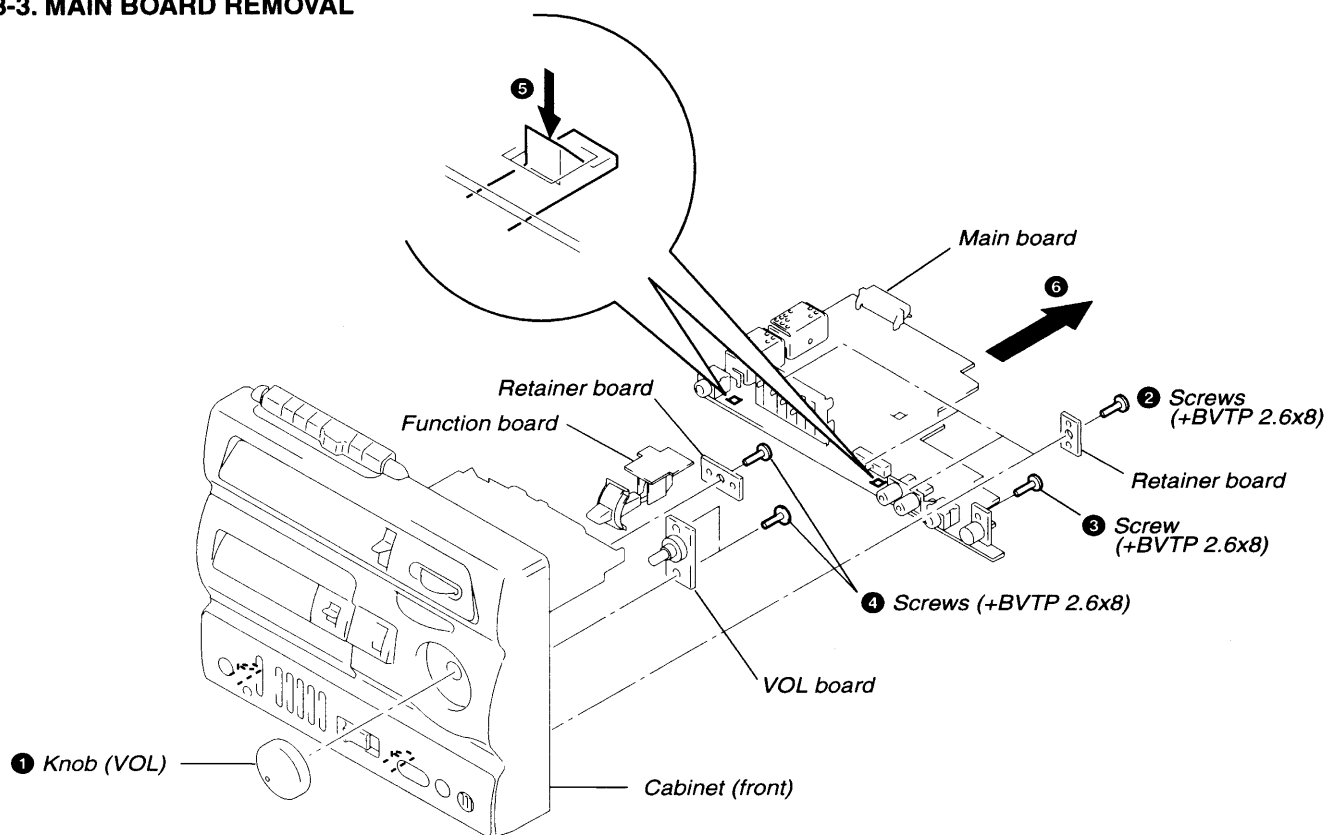
3-1. CABINET (FRONT) REMOVAL



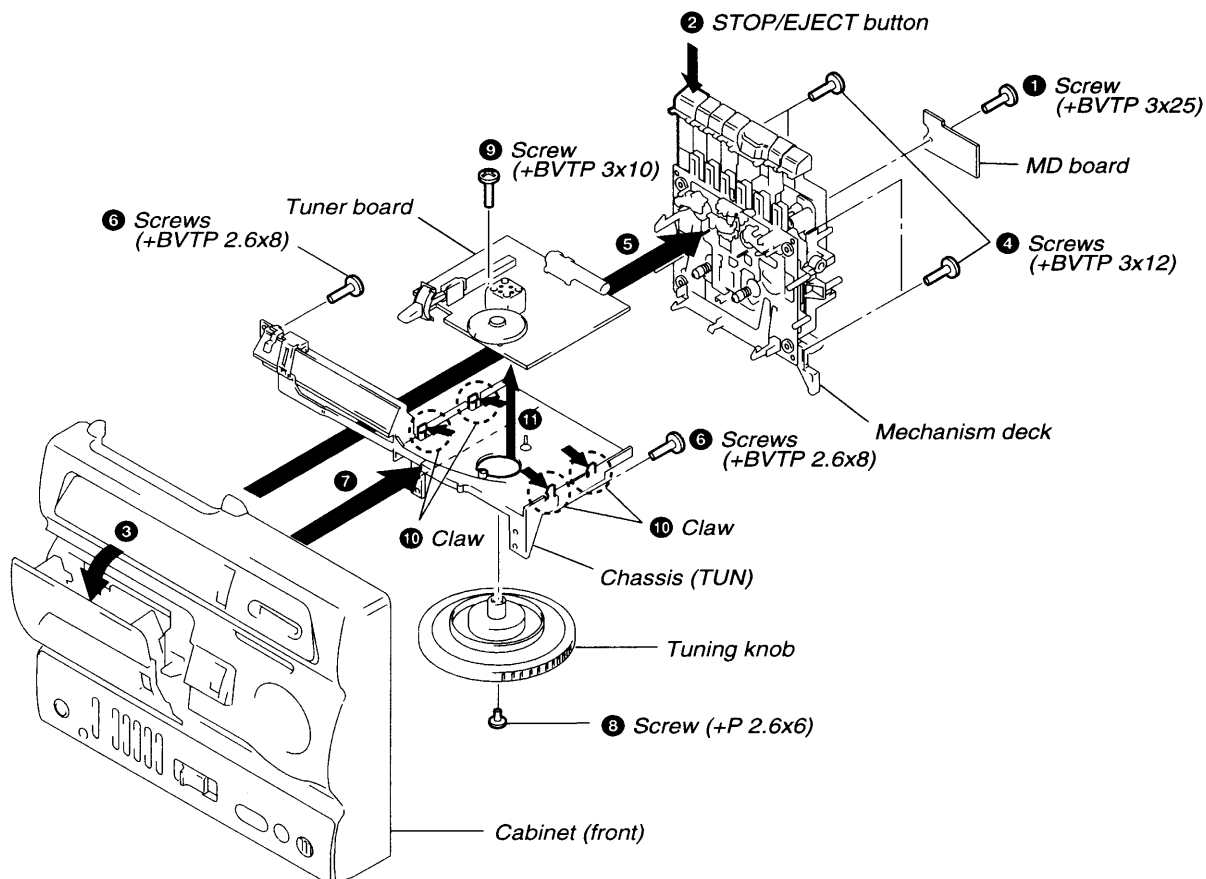
3-2. POWER BOARD REMOVAL



3-3. MAIN BOARD REMOVAL



3-4. MD BOARD, MECHANISM DECK, TUNER BOARD REMOVAL



SECTION 4 ADJUSTMENTS

4-1. MECHANICAL ADJUSTMENTS

PRECAUTION

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

record/playback head	pinch roller
erase head	rubber belts
capstan	
2. Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head demagnetizer close to the erase head.)
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 unless otherwise noted.

1. Torque Measurement

Mode	Torque Meter	Meter Reading
FWD	CQ-102C	22 – 55 g • cm (0.31 – 0.76 oz• inch)
FWD Back tension		2 – 5 g • cm (0.03 – 0.06 oz• inch)
REV	CQ-102RC	22 – 55 g • cm (0.31 – 0.76 oz• inch)
REV Back tension		2 – 5 g • cm (0.03 – 0.06 oz• inch)
FF	CQ-201B	more than 60 g • cm (0.84 oz• inch)
REW	CQ-201B	more than 55 g • cm (0.77 oz• inch)

2. Tape Tension Measurement

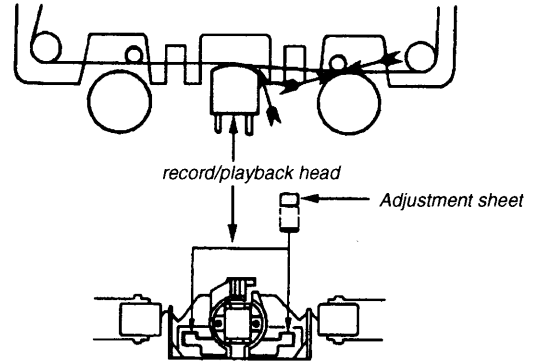
Mode	Tension Meter	Meter Reading
FWD	CQ-403A	more than 100g (3.53 oz)
REV	CQ-403R	more than 100g (3.53 oz)

3. Head Height Adjustmnet

Procedure :

- 1) Test cassette : CQ009C
- 2) Set the unit to the playback mode.
- 3) Adjust the head heights to eliminate a tape curl and a tape twist at the portion of the arrow by using the head height adjustment sheet.

● DECK



Adjustment sheet

3-377-197-01 (t = 0.09) 3-377-197-31 (t = 0.165)
 3-377-197-11 (t = 0.115) 3-377-197-41 (t = 0.23)
 3-377-197-21 (t = 0.14)

4-2. ELECTRICAL ADJUSTMENTS

TAPE SECTION

1. The adjustments should be performed in the order given in the service manual. (As a general rule, playback circuit adjustment should be completed before performing recording circuit adjustment.)
2. The adjustments should be performed for both L-CH and R-CH unless otherwise indicated.

● Switch location

FUNCTION TAPE (RADIO OFF)
 GRAPHIC EQUALIZER center click
 BALANCE center click
 VOLUME mechanical center

Standard Input Level

	MIC IN	LINE IN
source impedance	300Ω	10kΩ
input level	3.085mV (– 48 dB)	0.25V (– 10 dB)

Standard Output Level

	SP OUT	PHONES
load impedance	6Ω	32Ω
output level	0.775V (0 dB)	0.25V (– 10 dB)

Test Tape

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

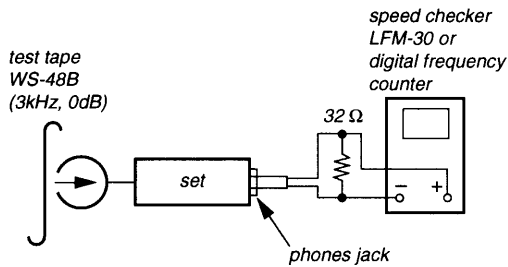
0dB=0.775V

Tape Speed Adjustment

Setting :

Mode : Playback

Procedure :

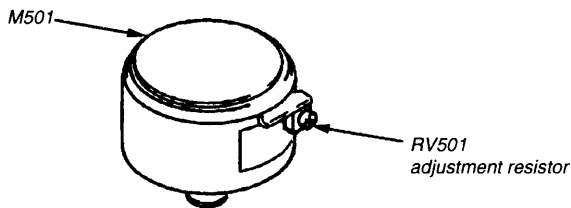


Adjustment Value :

Speed checker	Digital frequency counter
$\pm 3\%$	2,910 to 3,090Hz

Frequency difference between the beginning and the end of the tape should be within 1% (30Hz).

Adjustment Location :



TUNER SECTION

● Switch location

VOLUME mechanical center
BALANCE center click
MEGA BASS center click
GRAPHIC EQUALIZER center click

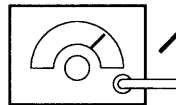
MW Section

Procedure :

FUNCTION switch : RADIO
BAND switch : MW
FINE TUNE control : mechanical center

AM RF signal
generator

Put the lead-wire
antenna close to
the set.



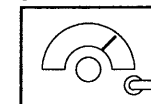
30% amplitude modulation by 400Hz
signal.
Output level : as low as possible

SW Section

Procedure :

FUNCTION switch : RADIO
BAND switch : SW1, SW2
FINE TUNE control : mechanical center

AM RF signal
generator



12PF
telescopic
antenna
terminal

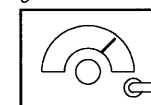
30% amplitude modulation by
400Hz signal.
Output level : as low as possible

FM Section

Procedure :

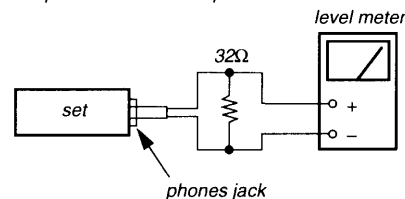
FUNCTION switch : RADIO
BAND switch : FM
FINE TUNE control : mechanical center

FM RF signal
generator



0.01 μ F
telescopic
antenna
terminal

22.5kHz frequency deviation by
400Hz signal.
Output level : as low as possible



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

VCO Adjustment Procedure :

Adjust for a maximum reading on level meter.		
L1	86.5MHz	<87.35MHz>
CT1	109.5MHz	<107.8MHz>

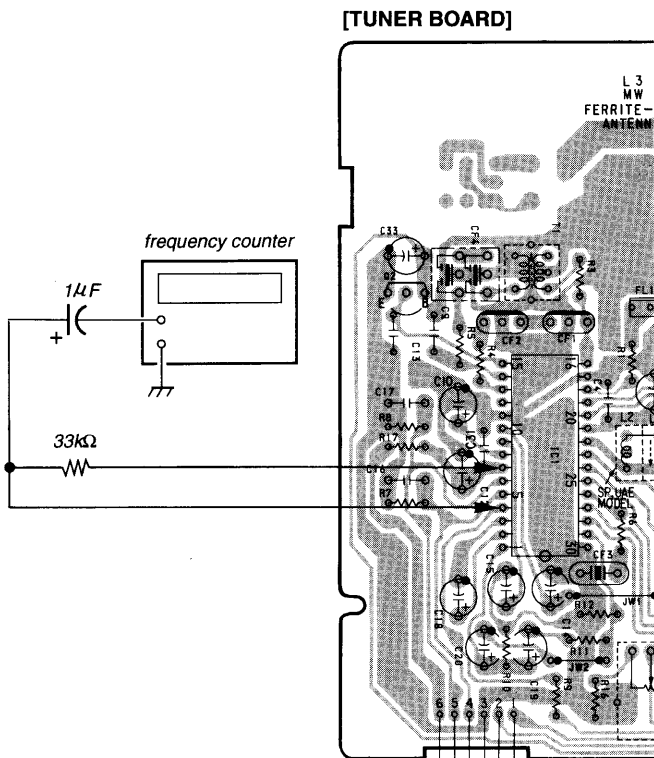
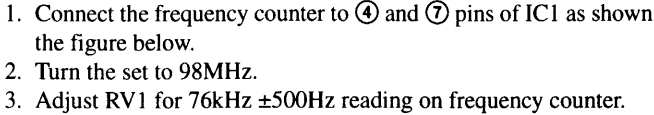


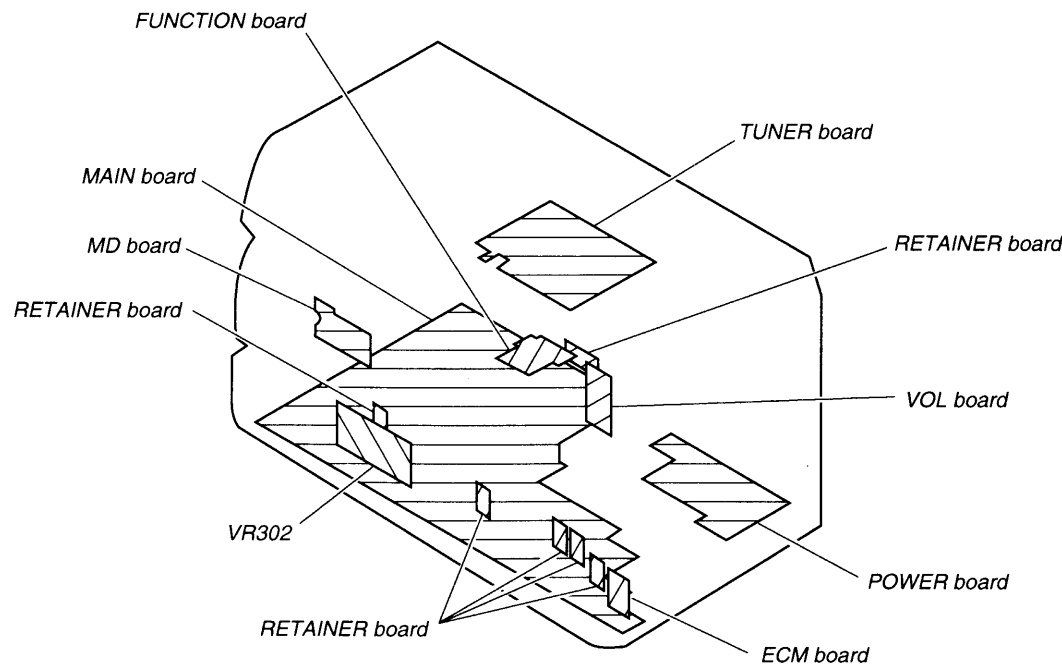
Diagram illustrating the internal components and adjustment points of a radio receiver, showing various tracking and frequency coverage adjustments.

Adjustment Points and Labels:

- L1 : FM Tracking Adjustment**
- T1 : AM IF Alignment**
- CT1 : FM Tracking Adjustment**
- L2 : FM Frequency Coverage Adjustment (Singapore, United Arab Emirates model)**
- L21 : FM Frequency Coverage Adjustment (Saudi Arabia model)**
- CT2 : FM Frequency Coverage Adjustment**
- RV1 : FM VCO Adjustment**
- CT4 : MW Frequency Coverage Adjustment**
- CT3 : MW Tracking Adjustment**
- L3 : MW Tracking Adjustment**
- CT7 : SW2 Tracking Adjustment**
- L7 : SW2 Tracking Adjustment**
- CT5 : SW1 Tracking Adjustment**
- L5 : SW1 Tracking Adjustment**
- L4 : MW Frequency Coverage Adjustment**
- L8 : SW2 Frequency Coverage Adjustment**
- CT8 : SW2 Frequency Coverage Adjustment**
- L6 : SW1 Frequency Coverage Adjustment**
- CT6 : SW1 Frequency Coverage Adjustment**

- Signal path.
 - ➡ : FM
 - : PB (L-CH)
 - : PB (R-CH)
 - : REC (L-CH)
 - : REC (R-CH)

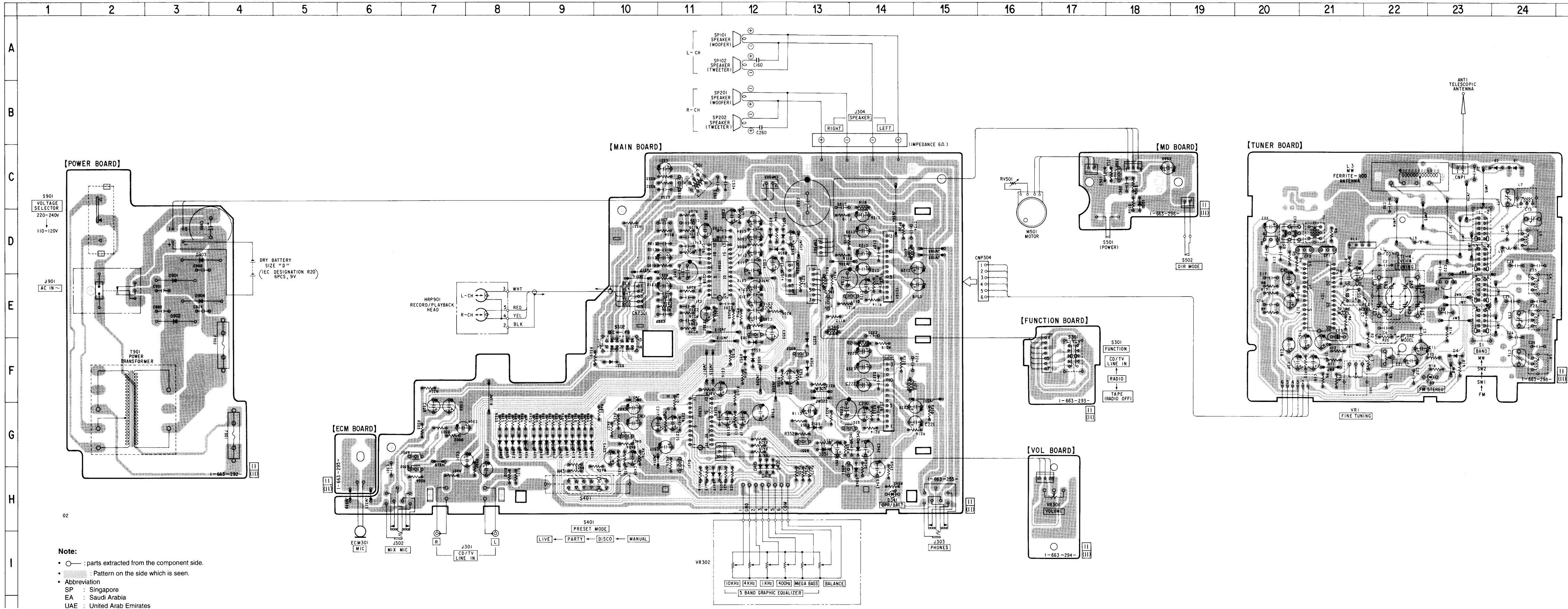
● CIRCUIT BOARDS LOCATION

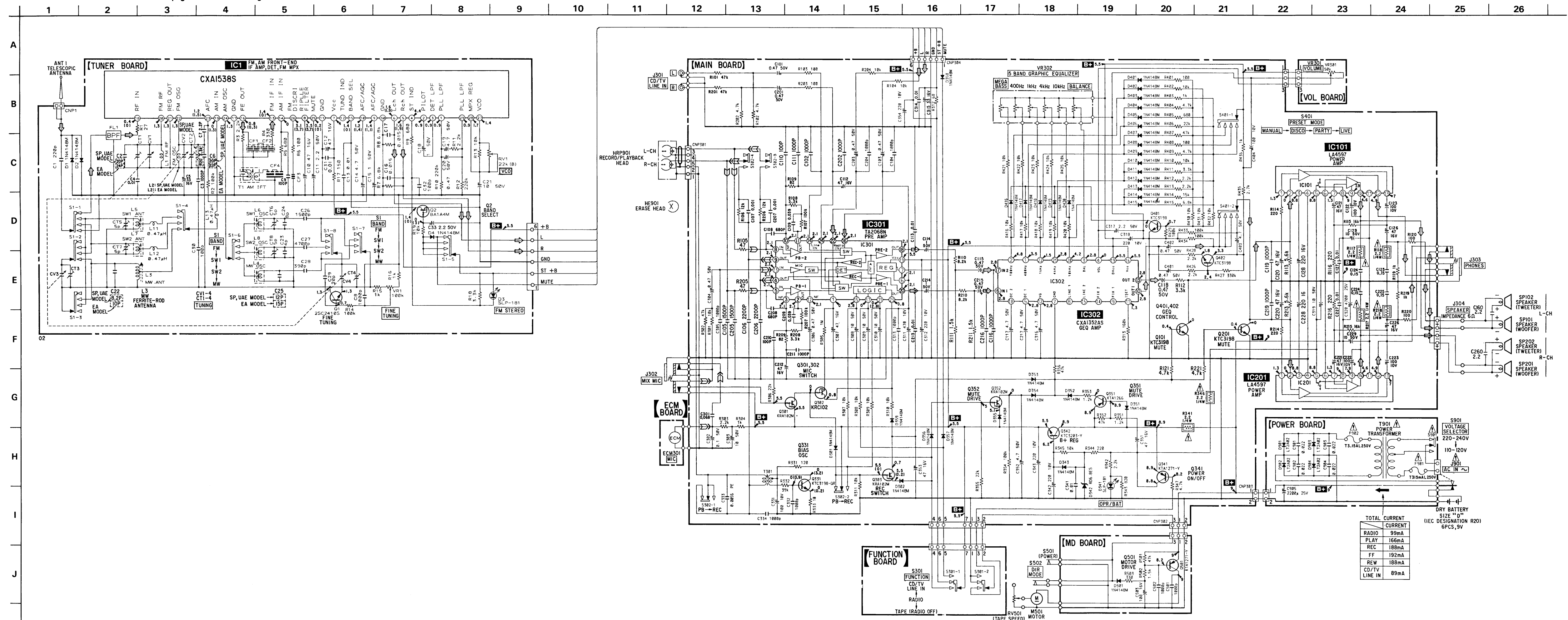


● SEMICONDUCTOR LOCATION

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D1	C-24	D408	G-9	Q1	E-23
D2	C-24	D409	G-8	Q2	D-20
D3	F-23	D410	G-9	Q101	E-14
D4	F-23	D411	G-9	Q201	G-14
D301	F-10	D412	G-8	Q301	G-7
D302	F-12	D413	G-9	Q302	H-7
D341	H-14	D414	G-9	Q303	E-12
D342	G-14	D415	G-8	Q331	C-11
D343	H-14	D416	H-11	Q341	E-13
D351	G-13	D417	H-11	Q342	H-13
D352	G-13	D418	H-12	Q351	G-13
D353	F-12	D419	H-12	Q352	F-13
D354	F-13	D420	H-12	Q401	G-11
D355	F-13	D501	C-18	Q402	G-10
D356	D-12	D901	E-3	Q501	C-18
D357	D-12	D902	E-3		
D358	D-12	D903	D-3		
D359	F-12	D904	E-3		
D401	G-9				
D402	G-9				
D403	G-8	IC1	E-21		
D404	G-9	IC101	E-14		
D405	G-9	IC201	F-14		
D406	G-8	IC301	D-11		
D407	G-9	IC302	G-11		

5-2. PRINTED WIRING BOARDS





Note :

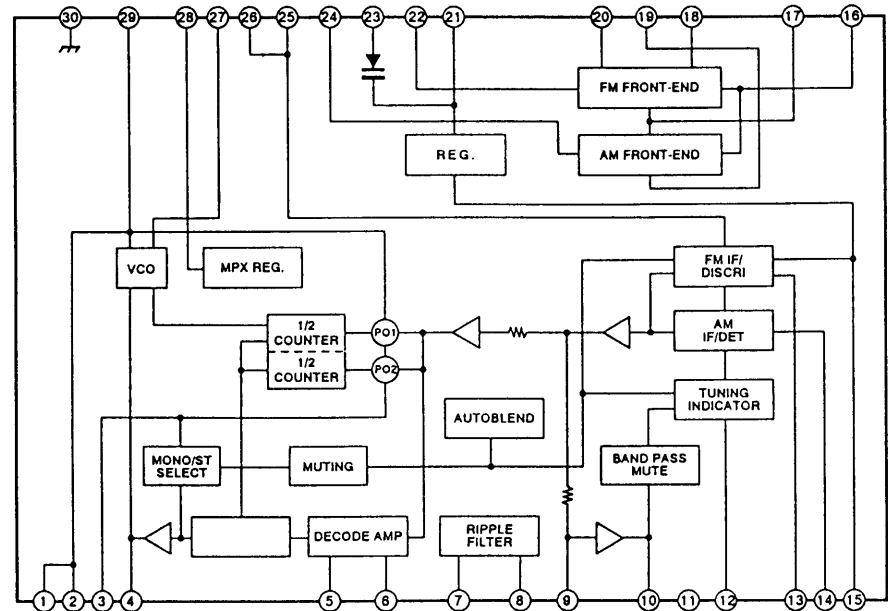
- All capacitors are in μF unless otherwise noted, pF ; μM 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $1/4\text{W}$ or less unless otherwise specified.
- Δ : internal component.
-  : nonflammable resistor.

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

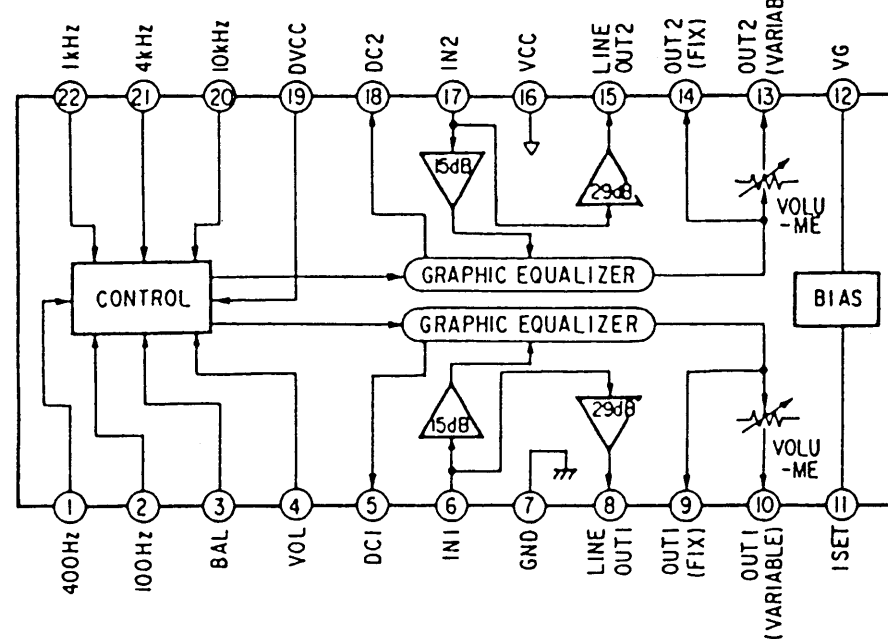
- **B +**: B+ Line
: adjustment for repair.
- Power voltage is dc 9V and fed with regulated dc power supply from battery terminal.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
 - no mark : FM (RADIO SECTION)
 PLAYBACK (TAPE SECTION)
 - () : MW (RADIO SECTION)
 REC (TAPE SECTION)
 - () : SW (RADIO SECTION)
- Voltages are taken with a VOM (Input Impedance 10M Ω).
 Voltage variations may be noted due to normal production tolerances.
- Signal path.
 -  : FM
 -  : PB
 -  : REC
- Abbreviation
 - SP : Singapore
 - EA : Saudi Arabia
 - UAE : United Arab Emirates

● IC BLOCK DIAGRAMS

IC1 CXA1238S



IC302 CXA1352AS



SECTION 6
EXPLODED VIEWS

NOTE :

- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.

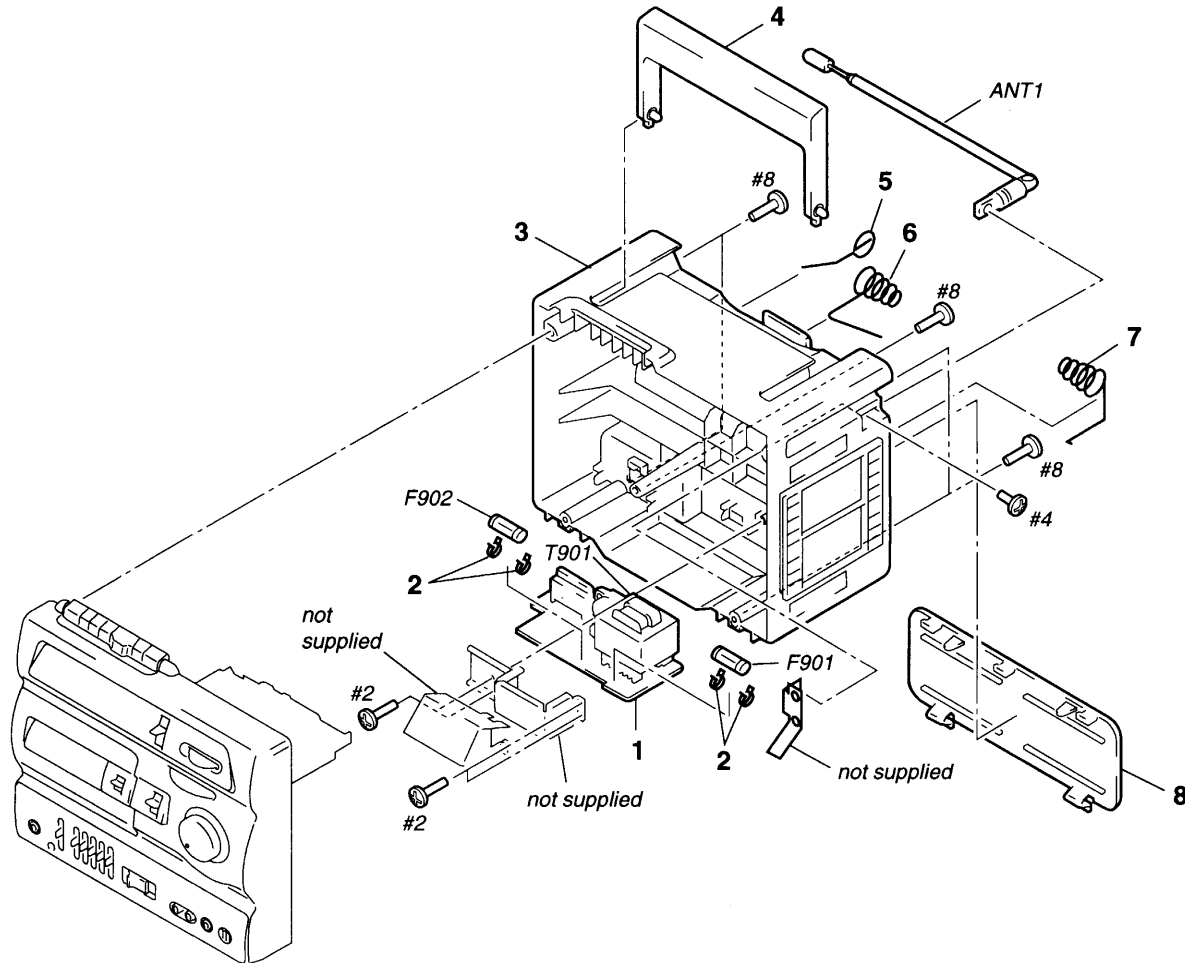
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.

● Abbreviation

- SP : Singapore
- EA : Saudi Arabia
- UAE : United Arab Emirates

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

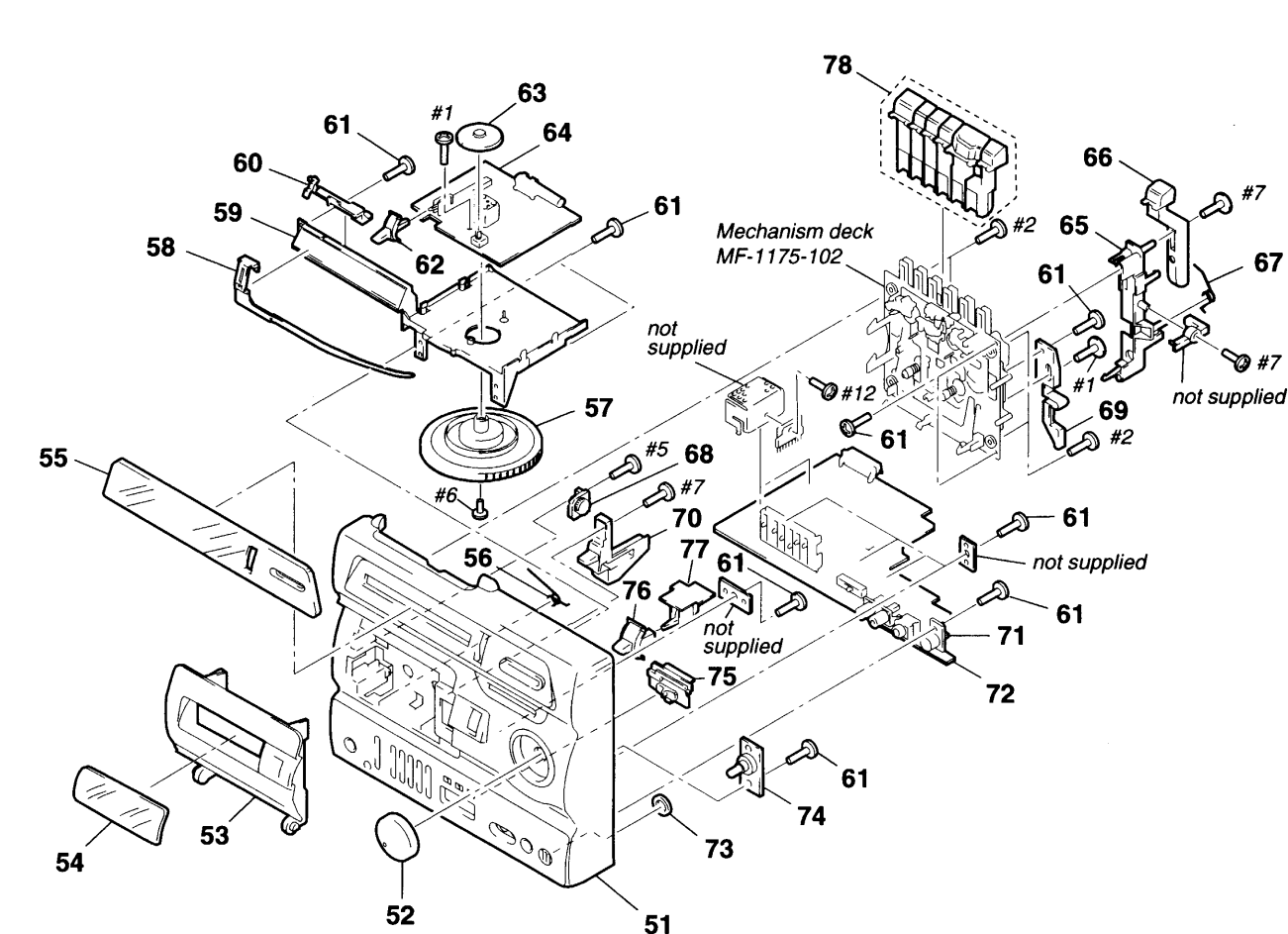
6-1. CABINET (REAR) SECTION



Ref. No.	Part No.	Description	Remark
1	1-663-292-11	POWER BOARD	
2	1-533-233-21	HOLDER, FUSE	
3	3-007-876-01	CABINET (REAR) (EA,SP)	
3	3-007-876-11	CABINET (REAR) (UAE)	
4	3-930-878-01	HANDLE	
5	3-930-900-01	SPRING (BATT +)	
6	3-013-627-01	SPRING (BATT -)	

Ref. No.	Part No.	Description	Remark
7	3-364-532-01	TERMINAL (+ -), BATTERY	
8	3-364-556-01	LID, BATTERY CASE	
ANT1	1-501-383-21	ANTENNA, TELESCOPIC	
Δ F901	1-532-467-31	FUSE, TIME LAG (T0.315AL,250V)	
Δ F902	1-532-465-31	FUSE, TIME LAG (T3.15AL,250V)	
Δ T901	1-429-982-11	TRANSFORMER, POWER	

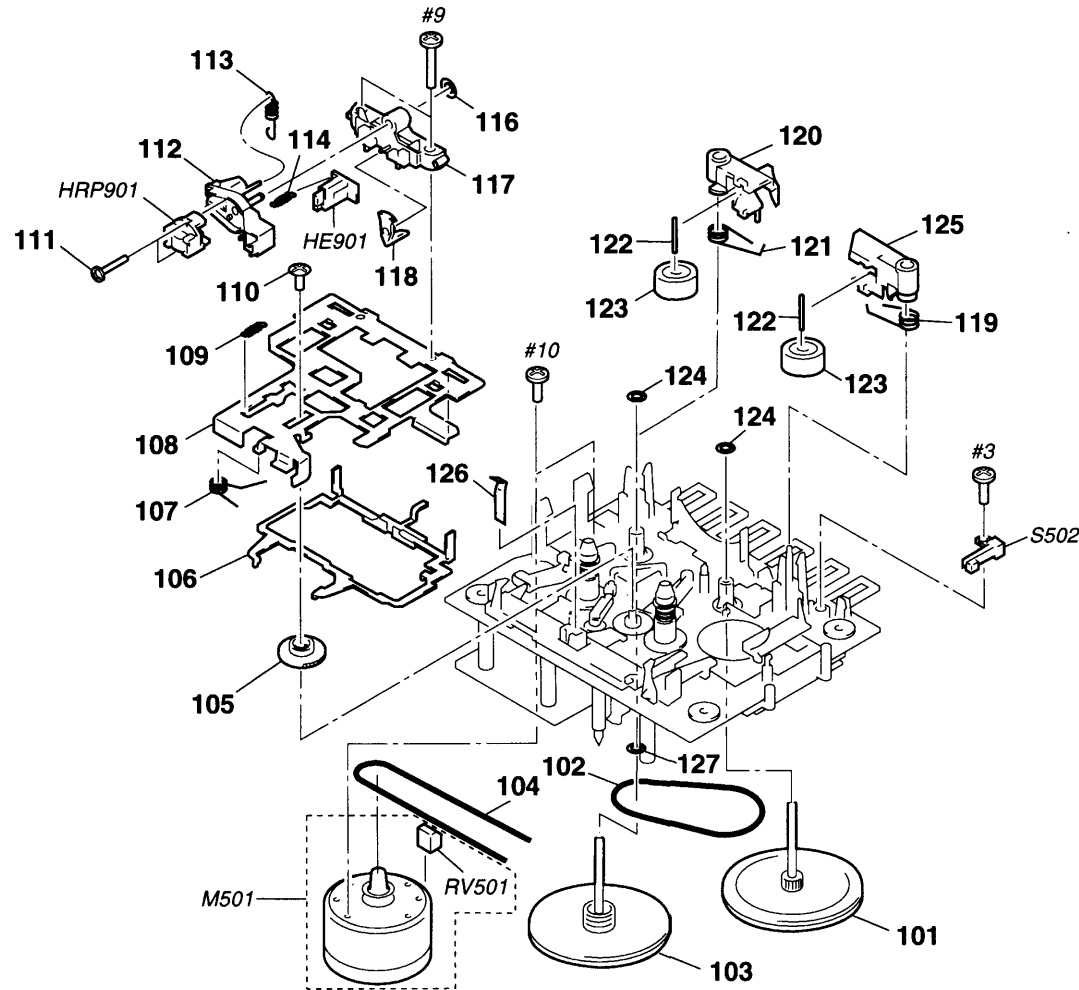
6-2. CABINET (FRONT) SECTION



Ref. No.	Part No.	Description	Remark
51	3-007-875-01	CABINET (FRONT)	
52	3-364-526-01	KNOB (VOL)	
53	3-007-877-01	HOLDER, CASSETTE	
54	3-007-903-01	WINDOW (CASSETTE)	
55	3-007-904-01	WINDOW, SCALE (UAE,SP)	
55	3-007-904-11	WINDOW, SCALE (EA)	
56	3-007-901-01	SPRING (CASSETTE)	
57	1-663-295-11	KNOB (TUN)	
58	3-007-889-01	POINTER	
* 59	3-007-878-01	CHASSIS (TUN)	
* 60	3-007-890-01	INDICATOR (DIR)	
61	4-951-620-01	SCREW (2.6X8), +BVT	
62	3-007-887-01	KNOB (BAND)	
63	3-907-639-01	KNOB (F.T)	
* 64	A-3306-251-A	TUNER BOARD, COMPLETE (AE,SP)	

Ref. No.	Part No.	Description	Remark
* 64	A-3306-258-A	TUNER BOARD, COMPLETE (EA)	
* 65	3-007-888-01	CHASSIS (DIR)	
66	3-007-885-01	BUTTON (DIR)	
67	3-007-900-01	SPRING (DIR)	
68	3-351-377-01	DAMPER	
* 69	3-007-892-01	LEVER (REC)	
70	3-007-886-01	KNOB (D-MODE)	
* 71	1-663-295-11	KNOB (TUN)	
* 72	A-3306-252-A	MAIN BOARD, COMPLETE	
73	3-366-963-01	CUSHION (MIC)	
* 74	1-663-294-11	VOL BOARD	
75	3-930-889-01	KNOB (S-MODE)	
76	3-930-888-01	KNOB (FUN)	
* 77	1-663-293-11	FUNCTION BOARD	
78	3-009-543-01	BUTTON (COMBINED), MD	

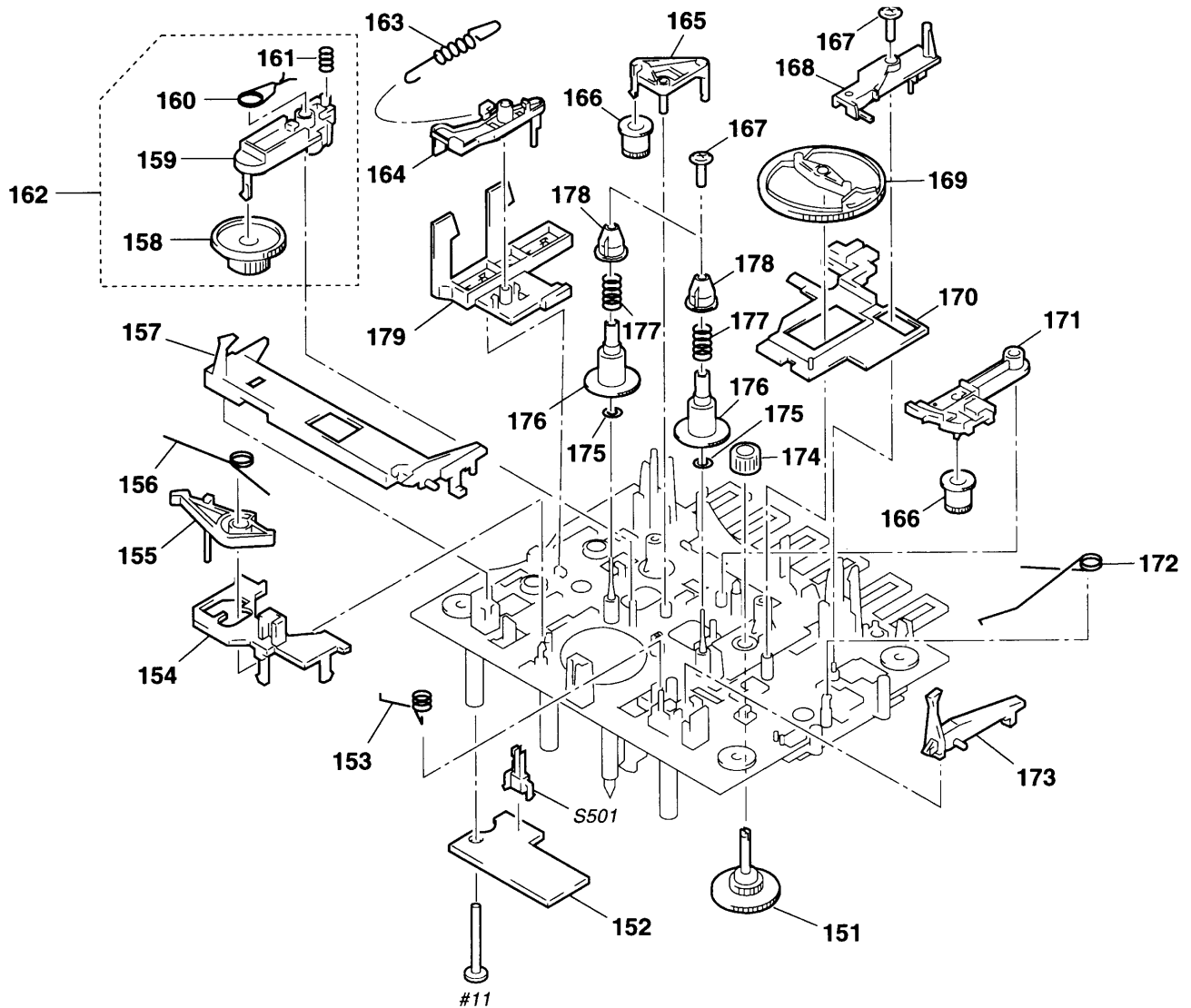
6-3. MECHANISM DECK SECTION (1)
(MF-1175-102)



Ref. No.	Part No.	Description	Remark
101	X-3363-913-1	FLY ASSY (R)	
102	3-374-321-01	BELT	
103	X-3365-411-1	FLY ASSY (N2)	
104	3-374-323-01	BELT	
105	3-374-329-01	GEAR, MIDWAY	
* 106	3-374-370-01	SLIDER (HD)	
107	3-374-342-01	SPRING (HEAD), TORSION	
* 108	3-381-657-01	CHASSIS, HEAD	
109	3-380-814-01	SPRING, TENSION	
110	3-344-737-11	SCREW (B1.4X6), TAPPING	
111	3-309-597-81	SCREW (1.4), TAPPING	
112	X-3368-130-1	HOLDER ASSY, HEAD	
113	3-912-053-01	SPRING, TENSION	
114	3-374-345-01	SPRING, TENSION	
116	3-328-432-01	WASHER, STOPPER	
* 117	3-381-658-02	GEAR (BASE), HEAD	

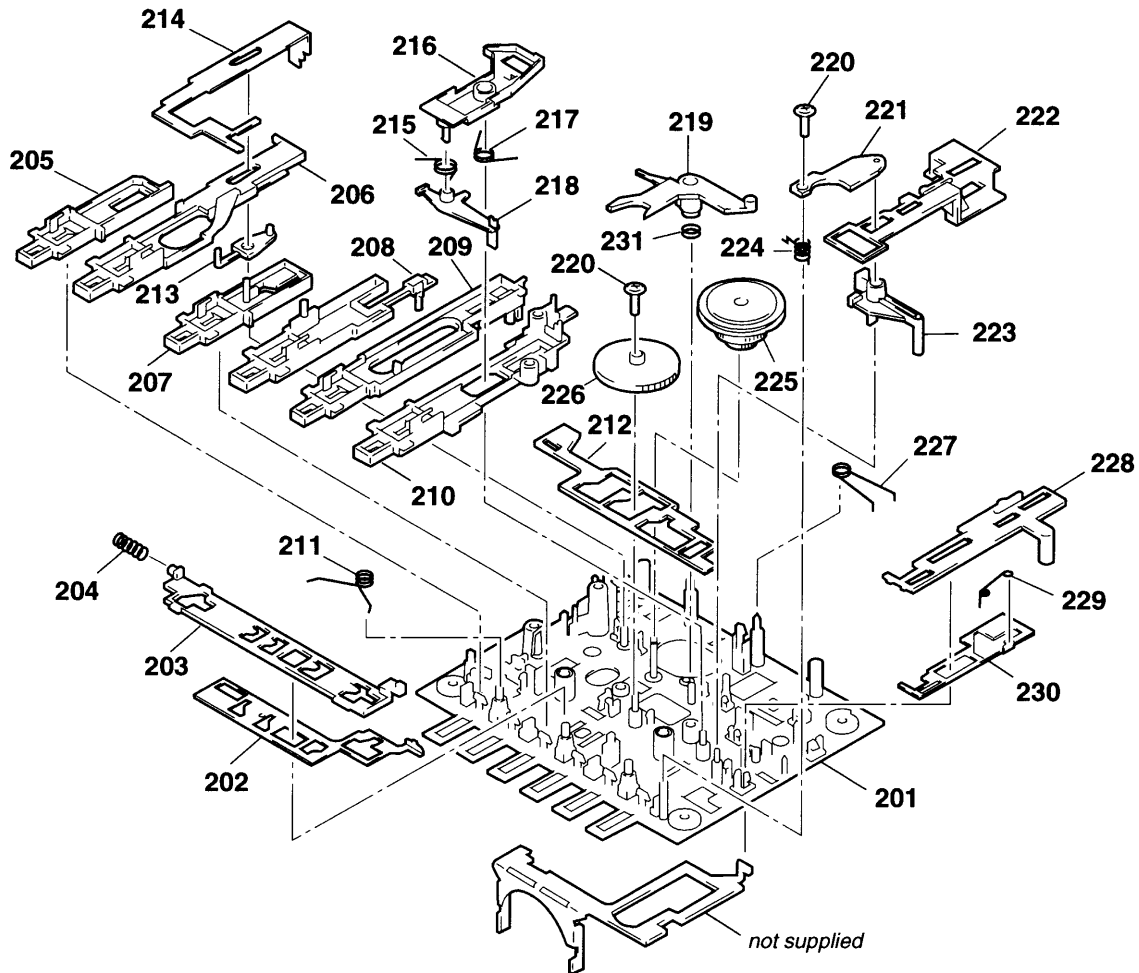
Ref. No.	Part No.	Description	Remark
118	3-381-660-01	LEVER (FAN-SHAPED)	
119	3-374-346-01	SPRING (N), TORSION	
* 120	3-374-373-01	FLY ASSY (R)	
121	3-374-347-01	SPRING (R), TORSION	
122	3-366-052-11	SHAFT, PINCH ROLLER	
123	3-366-051-01	PINCH ROLLER	
124	3-374-324-01	RING, RETAINING	
* 125	3-374-372-01	LEVER (PINCH N)	
126	3-376-135-01	SPRING, CASSETTE	
127	3-683-454-01	WASHER, POLYETHYLENE	
HE901	1-500-338-11	HEAD, MAGNETIC (ERASE)	
HRP901	1-543-872-11	HEAD, MAGNETIC (RECORD/PLAYBACK)	
M501	A-3253-405-A	MOTOR ASSY (9F)	
RV501	1-230-495-11	RES, ADJ CARBON 2K (TAPE SPEED)	
S502	1-570-559-11	SWITCH, LEAF (DIR MODE)	

6-4. MECHANISM DECK SECTION (2)
(MF-1175-102)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	3-374-318-11	GEAR (A), DECELERATION		166	3-374-339-01	GEAR, FR	
* 152	1-663-296-11	MD BOARD		167	3-344-737-11	SCREW (B1.4X6), TAPPING	
153	4-930-451-01	SPRING		168	3-374-330-01	LEVER (DIR A)	
154	3-374-332-01	SLIDER (BRAKE)		169	3-374-365-11	GEAR (NR), CAM	
155	3-374-333-01	LEVER (PAUSE)		170	3-374-364-01	SLIDER (NR)	
156	3-374-334-01	SPRING (BRAKE), TORSION		171	3-374-338-01	LEVER (REW)	
157	3-374-366-01	LEVER (ERASE R)		172	3-374-331-01	SPRING (DIR), TORSION	
158	3-374-328-01	GEAR, FWD		173	3-374-335-01	LEVER (ERASE N)	
159	3-374-363-01	LEVER (FWD)		174	3-374-325-01	GEAR (B), DECELERATION	
160	3-374-327-01	SPRING (N R), TORSION		175	3-377-195-01	WASHER (S)	
161	3-343-264-81	COLLAR, SPRING		176	3-374-326-01	TABLE, REEL	
162	X-3364-952-1	LEVER (FWD) ASSY		177	4-931-747-11	SPRING, COMPRESSION	
163	3-377-194-01	SPRING, TENSION		178	4-930-408-11	CLAW, REEL	
164	3-374-336-01	LEVER (SW)		* 179	3-374-367-01	LEVER (EJECT)	
165	3-374-368-01	LEVER (FF)		S501	1-571-890-11	SWITCH, LEAF (POWER)	

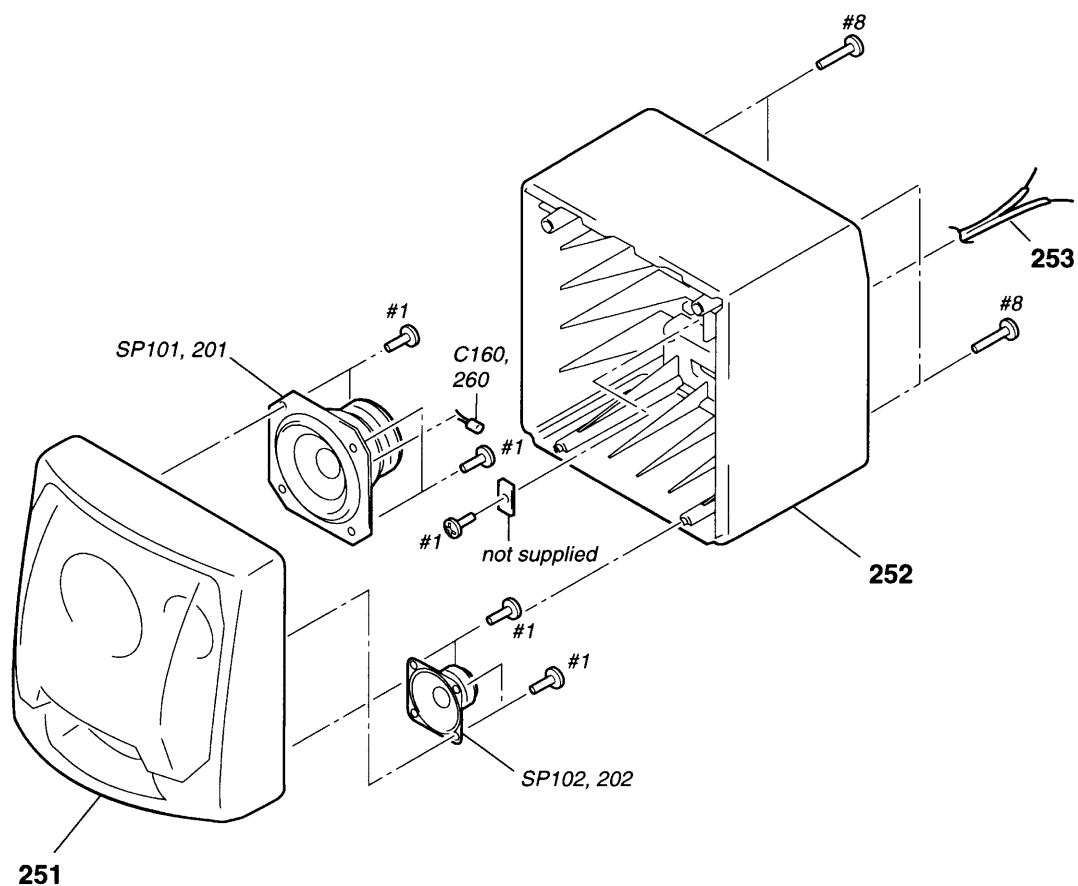
6-5. MECHANISM DECK SECTION (3)
(MF-1175-102)



Ref. No.	Part No.	Description	Remark
* 201	X-3363-918-1	CHASSIS ASSY, MECHANICAL	
* 202	3-374-348-01	SLIDER (FR)	
203	3-374-350-01	SLIDER (LOCK)	
204	4-932-648-01	SPRING, COMPRESSION	
205	3-374-351-01	SLIDER (STOP)	
206	3-374-352-01	SLIDER (PAUSE)	
207	3-374-353-01	SLIDER (FF)	
208	3-374-354-01	SLIDER (REW)	
209	3-374-355-01	SLIDER (FWD)	
210	3-374-356-01	SLIDER (REC)	
211	3-374-308-01	SPRING (CONTROL), TORSION	
* 212	3-374-349-01	SLIDER (SW)	
213	3-374-304-01	LEVER (PAUSE ROCK)	
* 214	3-374-315-01	SLIDER (CR)	
215	3-374-311-01	SPRING (S OFF C), TORSION	
216	3-374-357-01	LEVER (S OFF C)	

Ref. No.	Part No.	Description	Remark
217	3-374-313-01	SPRING (S OFF), TORSION	
218	3-374-312-01	LEVER (S OFF B)	
* 219	3-374-316-01	LEVER (S OFF A)	
220	3-344-737-11	SCREW (B1.4X6), TAPPING	
* 221	3-374-317-01	REINFORCEMENT	
222	3-374-358-01	SLIDER (ERASING)	
223	3-374-314-01	LEVER (DIR B)	
224	3-374-309-01	SPRING (REC), TORSION	
225	X-3363-917-1	LIMITER ASSY, FWD	
226	3-374-359-11	GEAR (S OFF), CAM	
227	3-374-310-01	SPRING (FWD), TORSION	
228	3-374-306-01	SLIDER (MODE B)	
229	3-374-307-01	SPRING (MUTUAL), TORSION	
* 230	3-374-305-01	SLIDER (MODE A)	
231	3-375-011-01	SPRING, COMPRESSION	

6-6. SPEAKER SECTION



Ref. No.	Part No.	Description	Remark
251	X-3373-157-1	BOX (FRONT (R)) SUB ASSY, SP	
251	X-3373-158-1	BOX (FRONT (L)) SUB ASSY, SP	
* 252	3-007-896-01	CABINET (REAR) (R), SP	
* 252	3-007-895-01	CABINET (REAR) (L),SP (EA)	
253	1-690-969-11	CORD, SPEAKER CONNECTION	

C160 1-124-767-00 CAP, ELECT 2.2uF

Ref. No.	Part No.	Description	Remark
C260	1-124-767-00	CAP, ELECT 2.2uF	
SP101	1-505-494-11	SPEAKER (10cm) (L-CH)	
SP102	1-505-495-11	SPEAKER (5cm) (L-CH)	
SP201	1-505-494-11	SPEAKER (10cm)(R-CH)	
SP202	1-505-495-11	SPEAKER (5cm) (R-CH)	

SECTION 7

ELECTRICAL PARTS LIST

ECM	FUNCTION	MAIN
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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.
- -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

● COILS

uH : μ H

● Abbreviation

SP : Singapore
 EA : Saudi Arabia
 UAE : United Arab Emirates

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.

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
*	1-663-295-11	ECM BOARD *****					C117	1-126-963-11	ELECT	4.7uF	20%	50V	
		< MICROPHONE >					C118	1-124-902-00	ELECT	0.47uF	20%	50V	
ECM301	1-542-118-11	MICROPHONE, ELECTRET CONDENSER (MIC) *****					C119	1-162-294-31	CERAMIC	0.001uF	10%	50V	
*	1-663-293-11	FUNCTION BOARD *****					C120	1-104-664-11	ELECT	47uF	20%	16V	
		< SWITCH >					C121	1-104-664-11	ELECT	47uF	20%	16V	
S301	1-554-653-00	SWITCH, LEVER SLIDE (FUNCTION) *****					C122	1-124-443-00	ELECT	100uF	20%	10V	
*	A-3306-252-A	MAIN BOARD, COMPLETE *****					C123	1-124-443-00	ELECT	100uF	20%	10V	
	3-930-888-01	KNOB (FUN)					C124	1-130-497-00	MYLAR	0.15uF	5%	50V	
	3-930-889-01	KNOB (S-MODE)					C125	1-130-497-00	MYLAR	0.15uF	5%	50V	
	7-685-871-01	SCREW +BVTT 3X6 (S)					C126	1-104-664-11	ELECT	47uF	20%	16V	
		< CAPACITOR >					C127	1-162-306-11	CERAMIC	0.01uF	20%	16V	
C101	1-124-902-00	ELECT	0.47uF	20%	50V		C128	1-104-666-11	ELECT	220uF	20%	16V	
C102	1-162-294-31	CERAMIC	0.001uF	10%	50V		C129	1-124-907-11	ELECT	10uF	20%	50V	
C103	1-124-902-00	ELECT	0.47uF	20%	50V		C201	1-124-902-00	ELECT	0.47uF	20%	50V	
C104	1-162-294-31	CERAMIC	0.001uF	10%	50V		C202	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C105	1-162-301-11	CERAMIC	0.0015uF	20%	16V		C203	1-124-902-00	ELECT	0.47uF	20%	50V	
C106	1-162-302-11	CERAMIC	0.0022uF	20%	16V		C204	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C107	1-162-827-11	CERAMIC	0.001uF	10%	16V		C205	1-162-301-11	CERAMIC	0.0015uF	20%	16V	
C108	1-162-292-31	CERAMIC	680PF	10%	50V		C206	1-162-302-11	CERAMIC	0.0022uF	20%	16V	
C109	1-161-020-11	CERAMIC	0.039uF	10%	16V		C207	1-162-827-11	CERAMIC	0.001uF	10%	16V	
C110	1-162-282-31	CERAMIC	100PF	10%	50V		C208	1-162-292-31	CERAMIC	680PF	10%	50V	
C111	1-162-294-31	CERAMIC	0.001uF	10%	50V		C209	1-161-020-11	CERAMIC	0.039uF	10%	16V	
C112	1-104-664-11	ELECT	47uF	20%	16V		C210	1-162-282-31	CERAMIC	100PF	10%	50V	
C113	1-162-306-11	CERAMIC	0.01uF	20%	16V		C211	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C114	1-124-903-11	ELECT	1uF	20%	50V		C212	1-104-664-11	ELECT	47uF	20%	16V	
C115	1-124-902-00	ELECT	0.47uF	20%	50V		C213	1-162-306-11	CERAMIC	0.01uF	20%	16V	
C116	1-162-294-31	CERAMIC	0.001uF	10%	50V		C214	1-124-903-11	ELECT	1uF	20%	50V	
							C215	1-124-902-00	ELECT	0.47uF	20%	50V	
							C216	1-162-294-31	CERAMIC	0.001uF	10%	50V	
							C217	1-126-963-11	ELECT	4.7uF	20%	50V	
							C219	1-162-294-31	CERAMIC	0.001uF	10%	50V	
							C220	1-104-664-11	ELECT	47uF	20%	16V	
							C221	1-104-664-11	ELECT	47uF	20%	16V	
							C222	1-124-443-00	ELECT	100uF	20%	10V	
							C223	1-124-443-00	ELECT	100uF	20%	10V	
							C224	1-130-497-00	MYLAR	0.15uF	5%	50V	
							C225	1-130-497-00	MYLAR	0.15uF	5%	50V	

Ref. No.	Part No.	Description	Remark
C226	1-104-664-11	ELECT 47uF 20% 16V	
C227	1-162-306-11	CERAMIC 0.01uF 20% 16V	
C228	1-104-666-11	ELECT 220uF 20% 16V	
C229	1-124-907-11	ELECT 10uF 20% 50V	
C301	1-162-849-11	CERAMIC 0.068uF 10% 16V	
C302	1-126-956-91	ELECT 0.1uF 20% 50V	
C303	1-124-907-11	ELECT 10uF 20% 50V	
C304	1-124-902-00	ELECT 0.47uF 20% 50V	
C305	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C306	1-124-902-00	ELECT 0.47uF 20% 50V	
C307	1-104-664-11	ELECT 47uF 20% 16V	
C308	1-124-907-11	ELECT 10uF 20% 50V	
C309	1-124-907-11	ELECT 10uF 20% 50V	
C310	1-124-907-11	ELECT 10uF 20% 50V	
C311	1-124-472-11	ELECT 470uF 20% 10V	
C312	1-104-666-11	ELECT 220uF 20% 10V	
C313	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C314	1-162-306-11	CERAMIC 0.01uF 20% 16V	
C315	1-104-663-11	ELECT 33uF 20% 16V	
C316	1-126-963-11	ELECT 4.7uF 20% 50V	
C317	1-126-961-11	ELECT 2.2uF 20% 50V	
C318	1-104-666-11	ELECT 220uF 20% 10V	
C319	1-124-907-11	ELECT 10uF 20% 50V	
C320	1-124-564-11	ELECT 4700uF 20% 25V	
C331	1-124-443-00	ELECT 100uF 20% 10V	
C332	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C333	1-130-480-00	MYLAR 0.0056uF 5% 50V	
C334	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C341	1-162-306-11	CERAMIC 0.01uF 20% 16V	
C342	1-104-666-11	ELECT 220uF 20% 10V	
C343	1-104-666-11	ELECT 220uF 20% 10V	
C351	1-104-664-11	ELECT 47uF 20% 16V	
C352	1-126-963-11	ELECT 4.7uF 20% 50V	
C353	1-104-664-11	ELECT 47uF 20% 16V	
C354	1-104-666-11	ELECT 220uF 20% 10V	
C401	1-124-902-00	ELECT 0.47uF 20% 50V	
C402	1-124-902-00	ELECT 0.47uF 20% 50V	
C403	1-126-963-11	ELECT 4.7uF 20% 50V	
C404	1-124-443-00	ELECT 100uF 20% 10V	
< CONNECTOR >			
* CNP301	1-506-987-11	PIN, CONNECTOR (PC BOARD) 5P	
* CNP302	1-580-155-11	PIN, CONNECTOR (PC BOARD) 3P	
CNP303	1-564-505-11	PLUG, CONNECTOR 2P	
* CNP304	1-580-158-11	PIN, CONNECTOR (PC BOARD) 6P	
< DIODE >			
D301	8-719-987-63	DIODE 1N4148M	
D302	8-719-987-63	DIODE 1N4148M	
D341	8-719-038-29	LED SLP-181B-51 (OPR/BATT)	
D342	8-719-109-97	DIODE RD6.8ES-B2	
D343	8-719-987-63	DIODE 1N4148M	

Ref. No.	Part No.	Description	Remark
D351	8-719-987-63	DIODE 1N4148M	
D352	8-719-987-63	DIODE 1N4148M	
D353	8-719-987-63	DIODE 1N4148M	
D354	8-719-987-63	DIODE 1N4148M	
D355	8-719-987-63	DIODE 1N4148M	
D356	8-719-987-63	DIODE 1N4148M	
D357	8-719-987-63	DIODE 1N4148M	
D358	8-719-987-63	DIODE 1N4148M	
D359	8-719-987-63	DIODE 1N4148M	
D401	8-719-987-63	DIODE 1N4148M	
D402	8-719-987-63	DIODE 1N4148M	
D403	8-719-987-63	DIODE 1N4148M	
D404	8-719-987-63	DIODE 1N4148M	
D405	8-719-987-63	DIODE 1N4148M	
D406	8-719-987-63	DIODE 1N4148M	
D407	8-719-987-63	DIODE 1N4148M	
D408	8-719-987-63	DIODE 1N4148M	
D409	8-719-987-63	DIODE 1N4148M	
D410	8-719-987-63	DIODE 1N4148M	
D411	8-719-987-63	DIODE 1N4148M	
D412	8-719-987-63	DIODE 1N4148M	
D413	8-719-987-63	DIODE 1N4148M	
D414	8-719-987-63	DIODE 1N4148M	
D415	8-719-987-63	DIODE 1N4148M	
D416	8-719-987-63	DIODE 1N4148M	
D417	8-719-987-63	DIODE 1N4148M	
D418	8-719-987-63	DIODE 1N4148M	
D419	8-719-987-63	DIODE 1N4148M	
D420	8-719-987-63	DIODE 1N4148M	
< IC >			
IC101	8-759-820-22	IC LA4597	
IC201	8-759-820-22	IC LA4597	
IC301	8-759-264-71	IC TA2068N	
IC302	8-752-067-34	IC CXA1352AS	
< JACK >			
J301	1-563-716-21	JACK, PIN 2P (CD/TV LINE IN)	
J302	1-566-891-21	JACK (MIX MIC)	
J303	1-566-891-11	JACK (PHONES)	
< TERMINAL >			
J304	1-537-330-11	TERMINAL BOARD (SPEAKER)	
< TRANSISTOR >			
Q101	8-729-036-89	TRANSISTOR KTC3198GR-A	
Q201	8-729-036-89	TRANSISTOR KTC3198GR-A	
Q301	8-729-037-29	TRANSISTOR KRA102M-AT	
Q302	8-729-036-80	TRANSISTOR KRC110M-AT	
Q303	8-729-037-29	TRANSISTOR KRA102M-AT	
Q331	8-729-036-89	TRANSISTOR KTC3198GR-A	
Q341	8-729-037-11	TRANSISTOR KTA1271Y-AT	

MAIN

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
Q342	8-729-011-92	TRANSISTOR	2SC2001TP-K1K2			R304	1-249-417-11	CARBON	1K	5%	1/4W
Q351	8-729-037-03	TRANSISTOR	KTA1266GR-AT			R305	1-247-903-00	CARBON	1M	5%	1/4W
Q352	8-729-037-29	TRANSISTOR	KRA102M-AT			R306	1-247-863-91	CARBON	22K	5%	1/4W
Q401	8-729-036-89	TRANSISTOR	KTC3198GR-A			R307	1-249-429-11	CARBON	10K	5%	1/4W
Q402	8-729-036-89	TRANSISTOR	KTC3198GR-A			R308	1-249-429-11	CARBON	10K	5%	1/4W
< RESISTOR >						R309	1-249-429-11	CARBON	10K	5%	1/4W
R101	1-249-437-11	CARBON	47K	5%	1/4W	R310	1-249-429-11	CARBON	10K	5%	1/4W
R102	1-249-425-11	CARBON	4.7K	5%	1/4W	R311	1-249-429-11	CARBON	10K	5%	1/4W
R103	1-247-807-31	CARBON	100	5%	1/4W	R312	1-249-403-11	CARBON	68	5%	1/4W
R104	1-249-429-11	CARBON	10K	5%	1/4W	R313	1-247-884-11	CARBON	160K	5%	1/4W
R105	1-249-401-11	CARBON	47	5%	1/4W	R331	1-249-406-11	CARBON	120	5%	1/4W
R106	1-249-430-11	CARBON	12K	5%	1/4W	R332	1-249-436-11	CARBON	39K	5%	1/4W
R107	1-249-441-11	CARBON	100K	5%	1/4W	R333	1-249-393-11	CARBON	10	5%	1/4W
R108	1-247-843-11	CARBON	3.3K	5%	1/4W	△ R341	1-249-385-11	CARBON	2.2	5%	1/4W F
R109	1-249-404-00	CARBON	82	5%	1/4W	R342	1-249-421-11	CARBON	2.2K	5%	1/4W
R110	1-249-428-11	CARBON	8.2K	5%	1/4W	R343	1-249-416-11	CARBON	820	5%	1/4W
R111	1-249-419-11	CARBON	1.5K	5%	1/4W	R344	1-247-815-91	CARBON	220	5%	1/4W
R112	1-247-843-11	CARBON	3.3K	5%	1/4W	R345	1-249-429-11	CARBON	10K	5%	1/4W
R113	1-249-426-11	CARBON	5.6K	5%	1/4W	△ R346	1-249-385-11	CARBON	2.2	5%	1/4W F
R114	1-247-815-91	CARBON	220	5%	1/4W	R347	1-249-425-11	CARBON	4.7K	5%	1/4W
R115	1-247-860-11	CARBON	16K	5%	1/4W	R351	1-249-418-11	CARBON	1.2K	5%	1/4W
R116	1-247-815-91	CARBON	220	5%	1/4W	R352	1-249-437-11	CARBON	47K	5%	1/4W
△ R117	1-249-385-11	CARBON	2.2	5%	1/4W F	R353	1-249-418-11	CARBON	1.2K	5%	1/4W
△ R118	1-249-385-11	CARBON	2.2	5%	1/4W F	R354	1-249-441-11	CARBON	100K	5%	1/4W
R119	1-249-417-11	CARBON	1K	5%	1/4W	R355	1-247-863-91	CARBON	22K	5%	1/4W
R120	1-247-807-31	CARBON	100	5%	1/4W	R356	1-249-437-11	CARBON	47K	5%	1/4W
R121	1-249-425-11	CARBON	4.7K	5%	1/4W	R401	1-247-807-31	CARBON	100	5%	1/4W
R201	1-249-437-11	CARBON	47K	5%	1/4W	R402	1-249-429-11	CARBON	10K	5%	1/4W
R202	1-249-425-11	CARBON	4.7K	5%	1/4W	R403	1-249-417-11	CARBON	1K	5%	1/4W
R203	1-247-807-31	CARBON	100	5%	1/4W	R404	1-249-425-11	CARBON	4.7K	5%	1/4W
R204	1-249-429-11	CARBON	10K	5%	1/4W	R405	1-249-415-11	CARBON	680	5%	1/4W
R205	1-249-401-11	CARBON	47	5%	1/4W	R406	1-247-863-91	CARBON	22K	5%	1/4W
R206	1-249-430-11	CARBON	12K	5%	1/4W	R407	1-249-437-11	CARBON	47K	5%	1/4W
R207	1-249-441-11	CARBON	100K	5%	1/4W	R408	1-247-807-31	CARBON	100	5%	1/4W
R208	1-247-843-11	CARBON	3.3K	5%	1/4W	R409	1-249-425-11	CARBON	4.7K	5%	1/4W
R209	1-249-404-00	CARBON	82	5%	1/4W	R410	1-249-429-11	CARBON	10K	5%	1/4W
R210	1-249-428-11	CARBON	8.2K	5%	1/4W	R411	1-247-843-11	CARBON	3.3K	5%	1/4W
R211	1-249-419-11	CARBON	1.5K	5%	1/4W	R412	1-249-421-11	CARBON	2.2K	5%	1/4W
R212	1-247-843-11	CARBON	3.3K	5%	1/4W	R413	1-249-421-11	CARBON	2.2K	5%	1/4W
R213	1-249-426-11	CARBON	5.6K	5%	1/4W	R414	1-249-431-11	CARBON	15K	5%	1/4W
R214	1-247-815-91	CARBON	220	5%	1/4W	R415	1-249-427-11	CARBON	6.8K	5%	1/4W
R215	1-247-860-11	CARBON	16K	5%	1/4W	R416	1-249-429-11	CARBON	10K	5%	1/4W
R216	1-247-815-91	CARBON	220	5%	1/4W	R417	1-249-429-11	CARBON	10K	5%	1/4W
△ R217	1-249-385-11	CARBON	2.2	5%	1/4W F	R418	1-249-429-11	CARBON	10K	5%	1/4W
△ R218	1-249-385-11	CARBON	2.2	5%	1/4W F	R419	1-249-429-11	CARBON	10K	5%	1/4W
R219	1-249-417-11	CARBON	1K	5%	1/4W	R420	1-249-429-11	CARBON	10K	5%	1/4W
R220	1-247-807-31	CARBON	100	5%	1/4W	R421	1-249-429-11	CARBON	10K	5%	1/4W
R221	1-249-425-11	CARBON	4.7K	5%	1/4W	R422	1-249-429-11	CARBON	10K	5%	1/4W
R301	1-249-429-11	CARBON	10K	5%	1/4W	R423	1-249-429-11	CARBON	10K	5%	1/4W
R302	1-249-437-11	CARBON	47K	5%	1/4W	R424	1-249-429-11	CARBON	10K	5%	1/4W
R303	1-249-421-11	CARBON	2.2K	5%	1/4W	R425	1-249-429-11	CARBON	10K	5%	1/4W
						R426	1-249-421-11	CARBON	2.2K	5%	1/4W

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Ref. No.	Part No.	Description			Remark
R427	1-247-891-00	CARBON	330K	5%	1/4W
R428	1-249-421-11	CARBON	2.2K	5%	1/4W
R429	1-249-441-11	CARBON	100K	5%	1/4W
R430	1-249-429-11	CARBON	10K	5%	1/4W
R431	1-249-429-11	CARBON	10K	5%	1/4W
R432	1-249-429-11	CARBON	10K	5%	1/4W
R433	1-249-441-11	CARBON	100K	5%	1/4W
R434	1-249-441-11	CARBON	100K	5%	1/4W
R435	1-249-422-11	CARBON	2.7K	5%	1/4W
R436	1-249-417-11	CARBON	1K	5%	1/4W
< SWITCH >					
S302	1-572-325-11	SWITCH, SLIDE (PB/REC)			
S401	1-762-539-11	SWITCH, SLIDE (PRESET MODE)			
< TRANSFORMER >					
T301	1-433-268-00	TRANSFORMER, BIAS OSCILLATOR			
< VARIABLE RESISTOR >					
VR302	1-223-574-11	RES, VAR, SLIDE 50KX6			
(5 BAND GRAPHIC EQUALIZER)					

*	1-663-296-11	MD BOARD			

< CAPACITOR >					
C501	1-162-294-31	CERAMIC	0.001uF	10%	50V
C502	1-162-294-31	CERAMIC	0.001uF	10%	50V
C503	1-104-665-11	ELECT	100uF	20%	16V
< DIODE >					
D501	8-719-987-63	DIODE 1N4148M			
< TRANSISTOR >					
Q501	8-729-037-11	TRANSISTOR KTA1271Y-AT			
< RESISTOR >					
R501	1-249-437-11	CARBON	47K	5%	1/4W
R502	1-249-419-11	CARBON	1.5K	5%	1/4W
R503	1-249-411-11	CARBON	330	5%	1/4W
< SWITCH >					
S501	1-571-890-11	SWITCH, LEAF (POWER)			

*	1-663-292-11	POWER BOARD			

	1-533-233-21	HOLDER, FUSE			

Ref. No.	Part No.	Description	Remark		
< CAPACITOR >					
C901	1-101-005-00	CERAMIC	22000PF		50V
C902	1-101-005-00	CERAMIC	22000PF		50V
C903	1-101-005-00	CERAMIC	22000PF		50V
C904	1-101-005-00	CERAMIC	22000PF		50V
C905	1-124-563-11	ELECT	2200uF	20%	25V
< DIODE >					
D901	8-719-031-53	DIODE LT2A02			
D901	8-719-046-07	DIODE 2A02M			
D902	8-719-031-53	DIODE LT2A02			
D902	8-719-046-07	DIODE 2A02M			
D903	8-719-031-53	DIODE LT2A02			
D903	8-719-046-07	DIODE 2A02M			
D904	8-719-031-53	DIODE LT2A02			
D904	8-719-046-07	DIODE 2A02M			
< FUSE >					
△ F901	1-532-467-31	FUSE, TIME LAG (T0.315AL,250V)			
△ F902	1-532-465-31	FUSE, TIME LAG (T3.15AL,250V)			
< JACK >					
△ J901	1-526-838-11	INLET, AC 2P (AC IN～)			
< SWITCH >					
△ S901	1-552-921-00	SWITCH, POWER (VOLTAGE SELECTOR)			
< TRANSFORMER >					
△ T901	1-429-982-11	TRANSFORMER, POWER			

*	A-3306-251-A	TUNER BOARD, COMPLETE (UAE,SP)			
*	A-3306-258-A	TUNER BOARD, COMPLETE (EA)			

< CAPACITOR >					
C1	1-162-286-21	CERAMIC	220PF	10%	50V
C2	1-162-206-31	CERAMIC	20PF	5%	50V
					(UAE,SP)
C2	1-162-208-31	CERAMIC	24PF	5%	50V (EA)
C3	1-162-294-31	CERAMIC	0.001uF	10%	50V
C4	1-162-306-11	CERAMIC	0.01uF	20%	16V
C5	1-104-663-11	ELECT	33uF	20%	16V
C6	1-102-958-00	CERAMIC	20PF	5%	50V
					(UAE,SP)
C6	1-102-959-00	CERAMIC	22PF	5%	50V (EA)
C7	1-162-191-31	CERAMIC	2.2PF	10%	50V
C8	1-162-294-31	CERAMIC	0.001uF	10%	50V
C9	1-162-282-31	CERAMIC	100PF	10%	50V
C10	1-104-664-11	ELECT	47uF	20%	16V
C11	1-126-961-11	ELECT	2.2uF	20%	50V
C12	1-104-664-11	ELECT	47uF	20%	16V

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TUNER

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C13	1-162-306-11	CERAMIC	0.01uF	20%	16V			< DIODE >			
C14	1-126-963-11	ELECT	4.7uF	20%	50V	D1	8-719-987-63	DIODE 1N4148M			
C15	1-124-903-11	ELECT	1uF	20%	50V	D2	8-719-987-63	DIODE 1N4148M			
C16	1-162-841-11	CERAMIC	0.015uF	10%	16V	D3	8-719-038-29	LED SLP-181B-51 (FM STEREO)			
C17	1-162-841-11	CERAMIC	0.015uF	10%	16V	D4	8-719-987-63	DIODE 1N4148M			
C18	1-124-903-11	ELECT	1uF	20%	50V			< FILTER >			
C19	1-126-963-11	ELECT	4.7uF	20%	50V	FL1	1-236-022-11	FILTER, BAND PASS			
C20	1-124-902-00	ELECT	0.47uF	20%	50V			< IC >			
C21	1-124-907-11	ELECT	10uF	20%	50V	IC1	8-752-050-20	IC CXA1238S			
C22	1-162-198-31	CERAMIC	8.2PF	10%	50V			< COIL >			
C22	1-162-199-31	CERAMIC	10PF	5%	50V (EA)	L1	1-422-317-31	COIL, AIR-CORE			
C23	1-164-617-11	CERAMIC	4PF	5%	50V	L2	1-422-230-11	COIL, AIR-CORE (UAE,SP)			
C24	1-102-945-00	CERAMIC	8.0PF	+0.5PF	50V	L3	1-402-593-11	ANTENNA, FERRITE-ROD (MW)			
C25	1-102-251-11	CERAMIC	15PF	5%	50V (EA)	L4	1-406-253-11	COIL (OSC)			
C25	1-102-949-00	CERAMIC	12PF	5%	50V	L5	1-402-597-31	COIL (ANT)			
C26	1-136-480-11	FILM	0.0015uF	5%	100V	L6	1-406-247-11	COIL (OSC)			
C27	1-136-287-11	FILM	0.0047uF	5%	100V	L7	1-402-539-11	COIL (ANT)			
C28	1-104-732-11	FILM	390PF	5%	100V	L8	1-406-470-11	COIL (OSC)			
C29	1-162-206-31	CERAMIC	20PF	5%	50V	L11	1-410-750-41	INDUCTOR 0.47uH			
C30	1-162-282-31	CERAMIC	100PF	10%	50V	L12	1-410-750-41	INDUCTOR 0.47uH			
C31	1-162-306-11	CERAMIC	0.01uF	20%	16V	L13	1-410-750-41	INDUCTOR 0.47uH			
C32	1-162-282-31	CERAMIC	100PF	10%	50V	L21	1-406-957-21	COIL (WITH CORE) (EA)			
C33	1-126-961-11	ELECT	2.2uF	20%	50V			< TRANSISTOR >			
		< FILTER >				Q1	8-729-922-66	TRANSISTOR 2SC2410SN			
CF1	1-577-327-81	FILTER, CERAMIC				Q2	8-729-900-80	TRANSISTOR DTC114ES			
CF2	1-577-327-81	FILTER, CERAMIC						< RESISTOR >			
CF3	1-577-327-81	FILTER, CERAMIC				R1	1-249-398-11	CARBON 27 5% 1/4W			
CF4	1-567-670-11	FILTER, CERAMIC				R2	1-249-441-11	CARBON 100K 5% 1/4W			
		< CONNECTOR >				R3	1-249-421-11	CARBON 2.2K 5% 1/4W			
* CNP1	1-580-163-11	PIN, CONNECTOR (PC BOARD) 2P				R4	1-249-411-11	CARBON 330 5% 1/4W			
		< VARIABLE CAPACITOR >				R5	1-249-415-11	CARBON 680 5% 1/4W			
CV1	1-151-693-11	CAP, VAR				R6	1-247-807-31	CARBON 100 5% 1/4W			
CV2	1-151-693-11	CAP, VAR				R7	1-249-427-11	CARBON 6.8K 5% 1/4W			
CV3	1-151-693-11	CAP, VAR				R8	1-249-427-11	CARBON 6.8K 5% 1/4W			
CV4	1-151-693-11	CAP, VAR				R9	1-249-415-11	CARBON 680 5% 1/4W			
CT1	1-151-693-11	CAP, VAR				R10	1-247-887-00	CARBON 220K 5% 1/4W			
CT2	1-151-693-11	CAP, VAR				R11	1-249-421-11	CARBON 2.2K 5% 1/4W			
CT3	1-151-693-11	CAP, VAR				R12	1-247-887-00	CARBON 220K 5% 1/4W			
CT4	1-151-693-11	CAP, VAR				R13	1-249-429-11	CARBON 10K 5% 1/4W			
		< TRIMMER >				R14	1-249-441-11	CARBON 100K 5% 1/4W			
CT5	1-141-360-41	CAP, FILM TRIMMER 5PF				R15	1-249-417-11	CARBON 1K 5% 1/4W			
CT6	1-141-360-41	CAP, FILM TRIMMER 5PF				R16	1-249-417-11	CARBON 1K 5% 1/4W			
CT7	1-141-360-41	CAP, FILM TRIMMER 5PF				R17	1-249-407-11	CARBON 150 5% 1/4W			
CT8	1-141-360-41	CAP, FILM TRIMMER 5PF				R18	1-247-843-11	CARBON 3.3K 5% 1/4W			
						R19	1-249-429-11	CARBON 10K 5% 1/4W			
						R20	1-247-843-11	CARBON 3.3K 5% 1/4W			
								(UAE,SP)			

Ref. No.	Part No.	Description	Remark
		< VARIABLE RESISTOR >	
RV1	1-223-641-11	RES, ADJ, CARBON 22K (VCO)	
		< SWITCH >	
S1	1-692-868-11	SWITCH, LEVER SLIDE (BAND)	
		< TRANSFORMER >	
T1	1-404-355-00	TRANSFORMER, IF	
		< VARIABLE RESISTOR >	
VR1	1-223-598-11	RES, VAR, CARBON 100K (FINE TUNING)	

*	1-663-294-11	VOL BOARD	

		< VARIABLE RESISTOR >	
VR301	1-241-374-11	RES, VAR, CARBON 50K (VOLUME)	

		MISCELLANEOUS	

2	1-533-233-21	HOLDER, FUSE	
253	1-690-969-11	CORD, SPEAKER CONNECTION	
ANT1	1-501-383-21	ANTENNA, TELESCOPIC	
C160	1-124-767-00	CAP, ELECT 2.2uF	
C260	1-124-767-00	CAP, ELECT 2.2uF	
△F901	1-532-467-31	FUSE, TIME LAG (T0.315AL,250V)	
△F902	1-532-465-31	FUSE, TIME LAG (T3.15AL,250V)	
HE901	1-500-338-11	HEAD, MAGNETIC (FRASE)	
HRP901	1-543-872-11	HEAD, MAGNETIC (RECORD/PLAYBACK)	
M501	A-3253-405-A	MOTOR ASSY (9F)	
RV501	1-230-495-11	RES, ADJ, CARBON 2K (TAPE SPEED)	
S501	1-571-890-11	SWITCH, LEAF (POWER)	
S502	1-570-559-11	SWITCH, LEAF (DIR MODE)	
SP101	1-505-494-11	SPEAKER (10CM) (L-CH)	
SP102	1-505-495-11	SPEAKER (5CM) (L-CH)	
SP201	1-505-494-11	SPEAKER (10CM) (R-CH)	
SP202	1-505-495-11	SPEAKER (5CM) (R-CH)	
△T901	1-429-982-11	TRANSFORMER, POWER	

		ACCESSORIES & PACKING MATERIALS	

△	1-569-008-11	ADAPTOR, CONVERSION 2P (EA)	
△	1-769-412-11	CORD, POWER	
*	3-008-790-01	INDIVIDUAL CARTON	
*	3-008-791-01	CUSHION (UPPER)	
*	3-008-792-01	CUSHION (LOWER)	
	3-859-198-11	MANUAL, INSTRUCTION (ENGLISH)	

Ref. No.	Part No.	Description	Remark

		HARDWARE LIST	

#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
#2	7-685-648-79	SCREW +BVTP 3X12 TYPE2 N-S	
#3	7-685-133-19	SCREW +P 2.6X6 TYPE2	
#4	7-682-548-09	SCREW +P 3X8	
#5	7-685-135-19	SCREW,TOTSU PTPWH 2.6X10,TYPE2	
#6	7-621-770-67	SCREW +P 2.6X6	
#7	7-685-134-19	SCREW,TOTSU PTPWH 2.6X8,TYPE2	
#8	7-685-649-79	SCREW +BVTP 3X14 TYPE2 N-S	
#9	7-685-785-09	SCREW +PTT 2X10 (S)	
#10	7-621-775-20	SCREW +B 2.6X5	
#11	7-685-878-01	SCREW +BVTT 3X25 (S)	
#12	7-685-871-01	SCREW +BVTT 3X6 (S)	

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