

CFD-S35CP

SERVICE MANUAL

Ver. 1.1 2005.05

AEP Model
UK Model
E Model



CD Section	Model Name Using Similar Mechanism	CFD-S350/S350L
	CD Mechanism Type	KSM-213CDP
	Optical Pick-up Name	KSS-213C
TC Section	Model Name Using Similar Mechanism	CFD-S350/S350L
	Tape Transport Mechanism Type	MF-S350

SPECIFICATIONS

CD player section

System

Compact disc digital audio system

Laser diode properties

Material: GaAlAs

Wave length: 780 nm

Emission duration: Continuous

Laser output: Less than 44.6 μ W

(This output is the value measured at a distance of about 200 mm from the objective lens surface on the optical pick-up block with 7 mm aperture.)

Spindle speed

200 r/min (rpm) to 500 r/min (rpm)

(CLV)

Number of channels

2

Frequency response

20 - 20,000 Hz +1/-2 dB

Wow and flutter

Below measurable limit

Radio section

Frequency range

E Model

FM 87.5 - 108 MHz

AM MX model:

530 - 1,710 kHz

other models:

531 - 1,611 kHz (9 kHz step)

530 - 1,610 kHz (10 kHz step)

AEP, UK Model

FM 87.5 - 108 MHz

MW 531 - 1,611 kHz (9 kHz step)

530 - 1,610 kHz (10 kHz step)

LW 153 - 279 kHz

Aerials

FM: Telescopic aerials

AM/MW/LW: Built-in ferrite bar aerials

Cassette-corder section

Recording system

4-track 2 channel stereo

Fast winding time

Approx. 120 s (sec.) with Sony cassette C-60

Frequency response

TYPE I (normal): 80 - 10,000 Hz

– Continued on next page –

CD RADIO CASSETTE-CORDER

SONY®

9-879-598-02
2005E04-1
© 2005.05

Sony Corporation
Personal Audio Group
Published by Sony Engineering Corporation

General

Speaker

Full range: 10 cm dia., 3.2 Ω, cone type (2)

Outputs

Headphones jack (stereo minijack):

For 16 - 68 Ω impedance headphones

Maximum Power output

MX model: 2.3 W + 2.3 W

(at 3.2 ohms, 10% harmonic distortion)

other models: 5.2 W

Power requirements

For CD radio cassette-corder:

MX model: 120 V AC, 60 Hz

KR model: 220 V AC, 60 Hz

EA model: 220-240 V AC, 50/60 Hz

Other models: 230 V AC, 50 Hz

9 V DC, 6 R20 (size D) batteries

For remote control:

3 V DC, 2 R03 (size AAA) batteries

Power consumption

AC 14 W

Battery life

For CD radio cassette-corder:

FM recording

Sony R20P: approx. 13.5 h

Sony alkaline LR20: approx. 20 h

Tape playback

Sony R20P: approx. 7.5 h

Sony alkaline LR20: approx. 15 h

CD playback

Sony R20P: approx. 2.5 h

Sony alkaline LR20: approx. 7 h

Dimensions

Approx. 420 × 155 × 260 mm (w/h/d)
(incl. projecting parts)

Mass

Approx. 3.7 kg (incl. batteries)

Supplied accessory

Mains lead (1)

Remote control (1)

Conversion plug adaptor (1) (UK model)

Design and specifications are subject to change without notice.

• Abbreviation

EA : Saudi Arabia model

KR : Korean model

MX : Mexican model

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

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.

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.

During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.

The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

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.

● UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.

(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size.)



LF : LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40°C higher than ordinary solder.

Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.

Soldering irons using a temperature regulator should be set to about 350°C.

Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!

- Strong viscosity

Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.

- Usable with ordinary solder

It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

TABLE OF CONTENTS

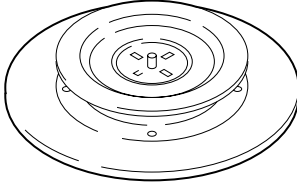
1. SERVICING NOTES	4
2. GENERAL	5
3. DISASSEMBLY	
3-1. Cabinet Top Assy	7
3-2. Cabinet Front Assy, Cabinet Rear Assy	7
3-3. Wires	8
3-4. MD Block	8
3-5. Holder Cassette	9
3-6. POWER KEY Board	9
3-7. MAIN Board	10
3-8. TUNER Board, POWER Board	10
3-9. CD Lid	11
3-10. LCD Block Assy	11
3-11. CD Block Assy	12
3-12. Optical Pick-up	12
3-13. R/P Head (HRP301), Erase Head (HE301), TC Board	13
3-14. Motor Assy (M801), RF Belt	13
4. MECHANICAL ADJUSTMENTS	14
5. ELECTRICAL ADJUSTMENTS	
Tape Section	14
Tuner Section	15
CD Section	17
6. DIAGRAMS	
6-1. Block Diagram – CD Section –	19
6-2. Block Diagram – TUNER-2 BAND Section –	20
6-3. Block Diagram – TUNER-3 BAND Section –	21
6-4. Block Diagram – MAIN Section –	22
6-5. Printed Wiring Board – MP3-CD Section –	24
6-6. Schematic Diagram – MP3-CD Section –	25
6-7. Printed Wiring Board – TUNER-2 BAND Section –	26
6-8. Schematic Diagram – TUNER-2 BAND Section –	27
6-9. Printed Wiring Board – TUNER-3 BAND Section –	28
6-10. Schematic Diagram – TUNER-3 BAND Section –	29
6-11. Printed Wiring Boards – MAIN Section –	30
6-12. Schematic Diagram – MAIN Section (1/2) –	31
6-13. Schematic Diagram – MAIN Section (2/2) –	32
6-14. Printed Wiring Board – TC Section –	33
6-15. Schematic Diagram – TC Section –	34
6-16. Printed Wiring Boards – CONTROL Section –	35
6-17. Schematic Diagram – CONTROL Section –	36
6-18. Printed Wiring Boards – POWER Section –	37
6-19. Schematic Diagram – POWER Section –	38
7. EXPLODED VIEWS	
7-1. Cabinet Section	46
7-2. Cabinet (Front) Section	47
7-3. Cabinet (Top) (1) Section	48
7-4. Cabinet (Top) (2) Section	49
7-5. Cabinet (Rear) Section	50
7-6. Tape Mechanism Section (MF-S350)	51
7-7. CD Mechanism Section (KSM-213CDP)	52
8. ELECTRICAL PARTS LIST	53

SECTION 1 SERVICING NOTES

CHUCK PLATE JIG ON REPAIRING

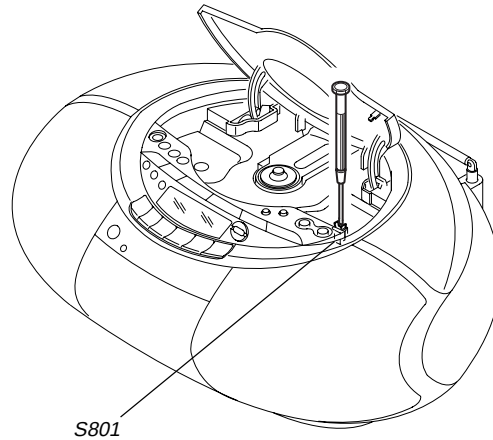
On repairing CD section, playing a disc without the lid (CD), use Chuck Plate Jig.

- Code number of Chuck Plate Jig: X-4918-255-1



LASER DIODE AND FOCUS SEARCH OPERATION CHECK

1. Turn ON the **POWER** or **OPERATE** button and press **CD** button to CD position.
2. Open the CD lid.
3. Turn on S801 with screwdriver, etc. as following figure.
4. Press the **▶||** (CD) button.
5. Confirm the laser diode emission while observing the objecting lens. When there is no emission, Auto Power Control circuit or Optical Pick-up is broken.
Objective lens moves up and down three times for focus search.

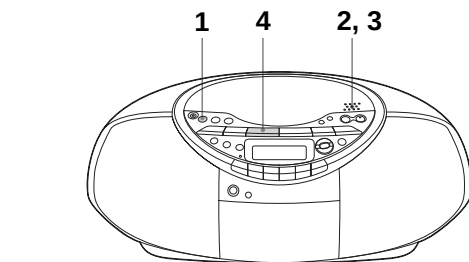


SECTION 2 GENERAL

This section is extracted
from instruction manual.

Basic Operations

Playing an audio CD or MP3 files



Connect the supplied mains lead (see page 23).

- 1** Press CD.
(On the remote, press OPERATE (POWER, see page 2) and then press FUNCTION repeatedly until "CD" appears in the display.)

- 2** Press down to open the CD compartment and place the CD on the CD compartment.

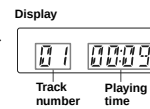
With the label side up

- 3** Close the lid of the CD compartment.

4

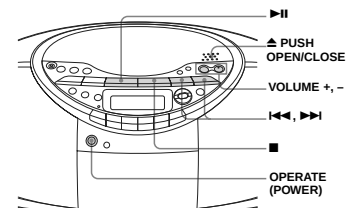


Press (II) on the remote).
The player plays all the tracks once.
To play a CD with MP3 files, see page 6.



Basic Operations

Use these buttons for additional operations



Tip
Playback starts from the track you last stopped playing (Resume play). During stop, the track number to be played are displayed.
To cancel the resume play to start play from the beginning of the first track, press in stop mode.

To	Press
adjust the volume	VOLUME +*, - (VOL +*, - on the remote.)
stop playback	
pause playback	(II on the remote) Press the button again to resume play after pause.
go to the next track	
go back to the previous track	
remove the CD	
turn on/off the player	OPERATE (or POWER, see page 2)

* The button has a tactile dot.

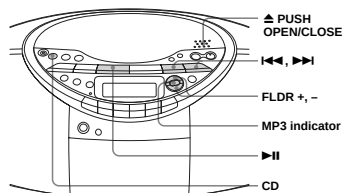
**Once you open the CD compartment, the track to start play will change to the beginning of the first track.

continued

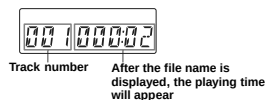
5

Playing an audio CD or MP3 files (continued)

Playing a CD with MP3 files



- 1** Press CD.
- 2** Press to open the CD compartment and place the CD on the CD compartment (see page 4).
- 3** Close the lid of the CD compartment.
- 4** Press (II).
The player plays all MP3 files on the CD.
When you play a CD with MP3 files, MP3 indicator lights up.



To select a folder

Press FLDR + to go forward and FLDR - to go backward.
Press FOLDER +, - on the remote.

To select a file

Press to go forward and to go backward.

Note

Before playing a file, this player reads all file and folder information on the CD. Depending on the file structure, it may take more than a minute to read them. During this time, "READING" is displayed.

Tip

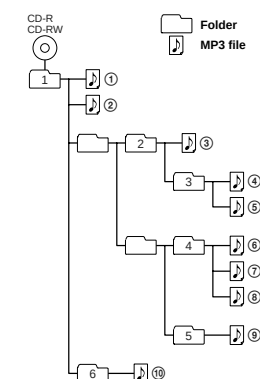
You can use the buttons mentioned in the table on page 5 for additional operations in the same way as when playing an audio CD.

Notes

- A folder that does not include an MP3 file is skipped.
- Maximum number of folders: 255
Maximum number of files: 255
- Folder names and file names can be displayed with up to 64 characters.
- The characters A - Z, a - z, 0 - 9, and _ can be displayed on this player. Other characters are displayed as "??".
- This player conforms to Version 1.1 of the ID3 tag format. If the file has the ID3 tag information, "song title", "artist name" and "album name" can be displayed.

Example of folder structure and playing order

The playing order of the folders and files is as follows:



About CD-Rs/CD-RWs and MP3 files

This player can play CD-Rs/CD-RWs recorded in the CD-DA format* and MP3 files recorded in the CD-ROM format, but playback capability may vary depending on the quality of the disc and the condition of the recording device.

* CD-DA is the abbreviation for Compact Disc Digital Audio. It is a recording standard used for Audio CDs.

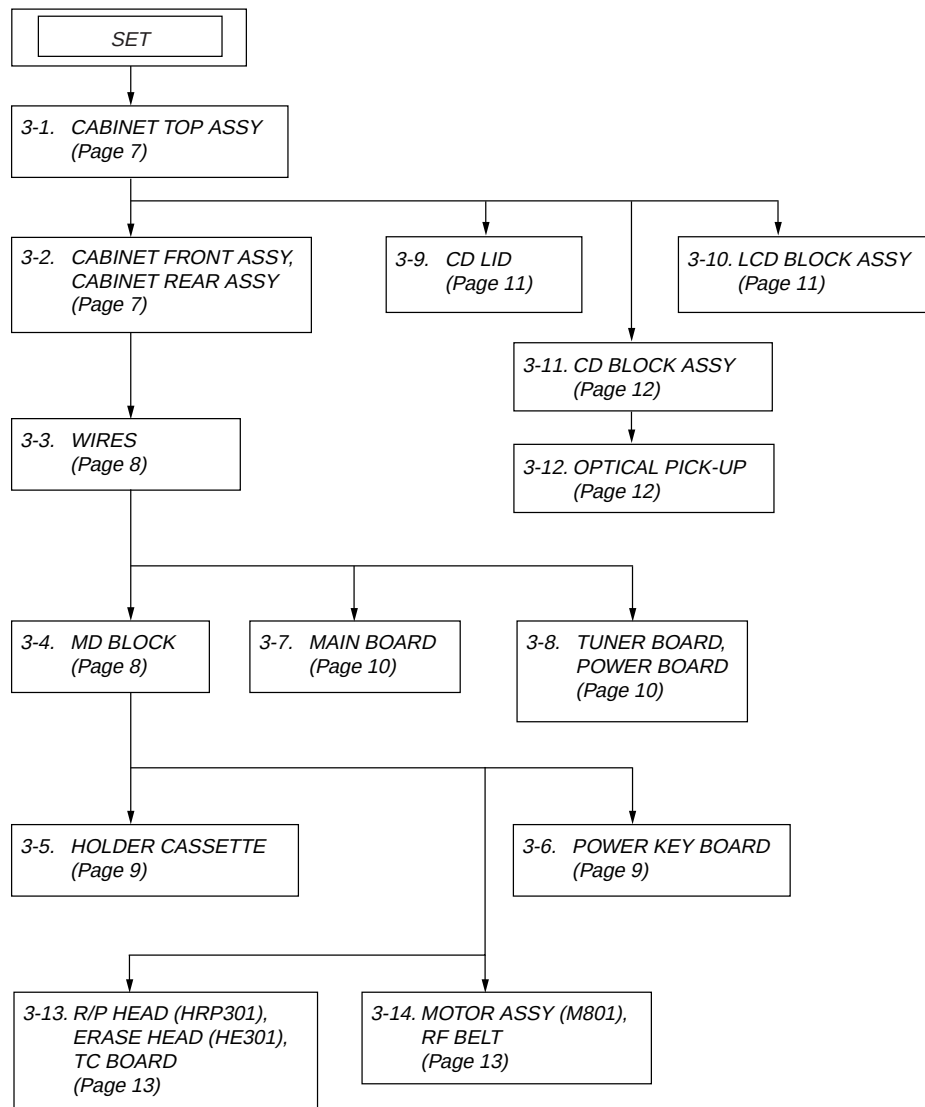
Basic Operations

6

7

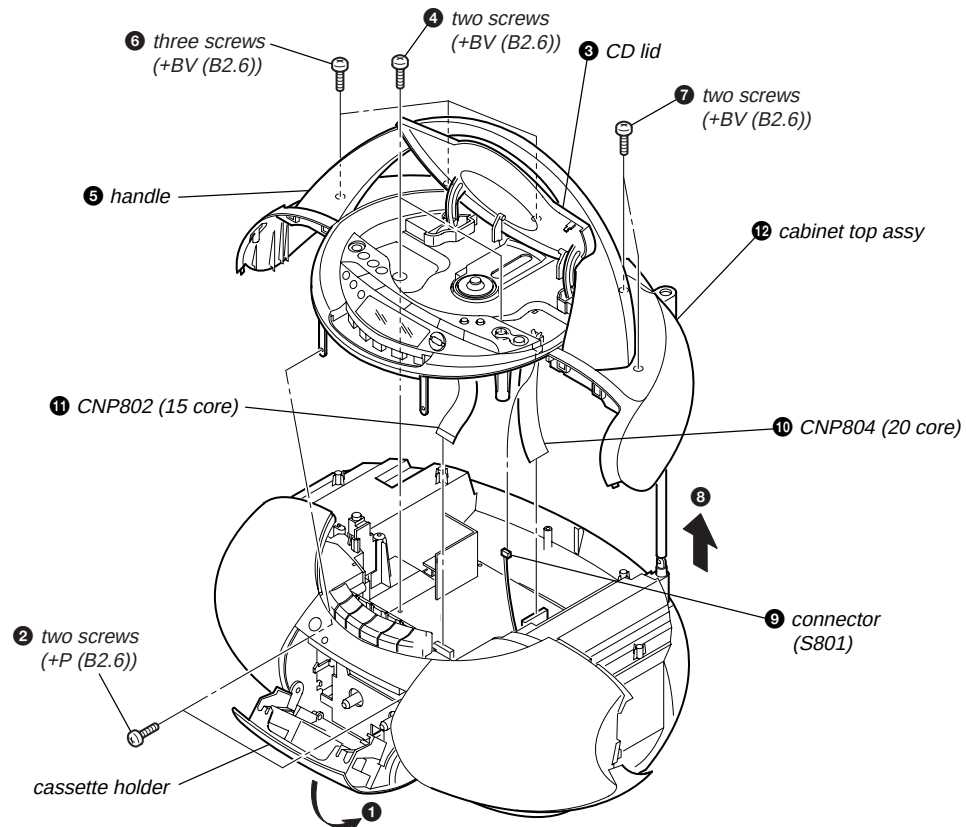
SECTION 3 DISASSEMBLY

- This set can be disassembled in the order shown below.

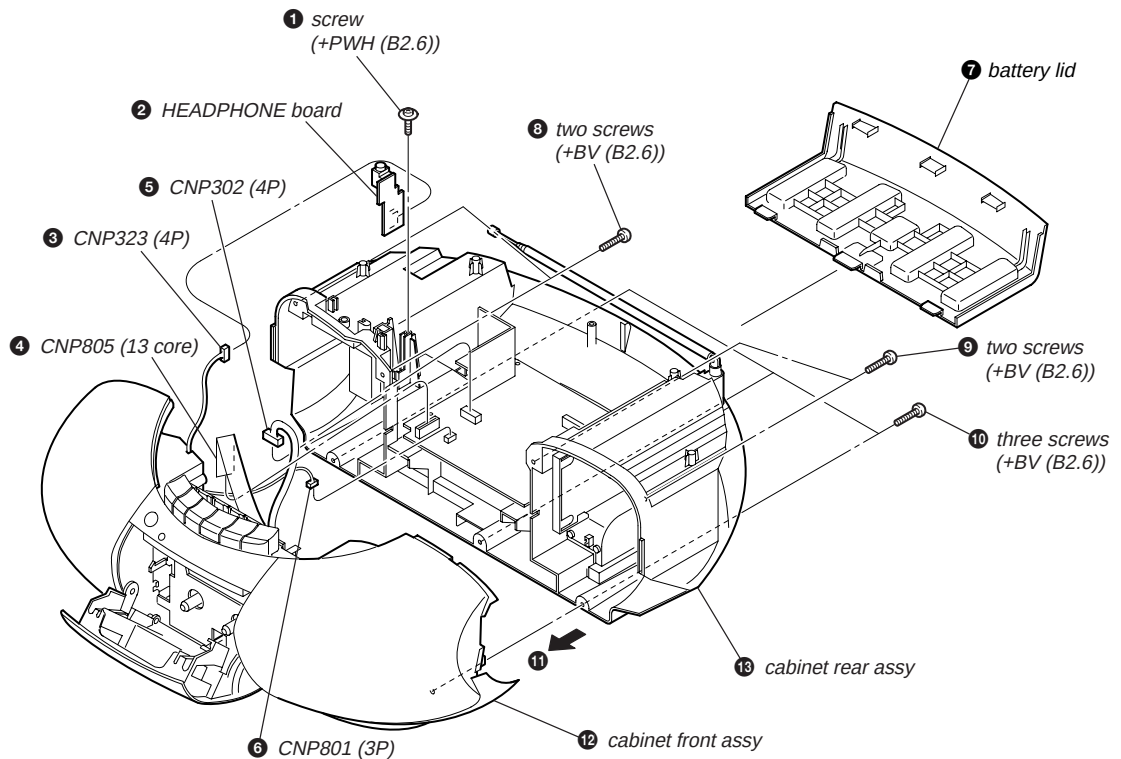


Note: Follow the disassembly procedure in the numerical order given.

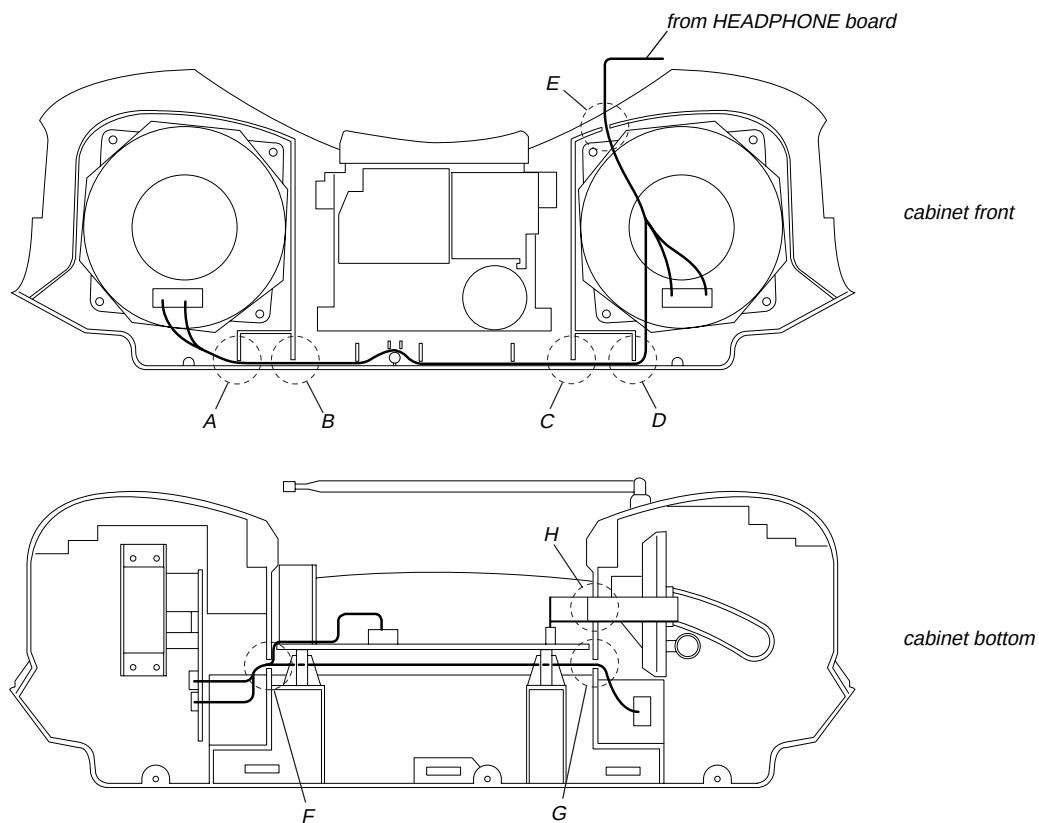
3-1. CABINET TOP ASSY



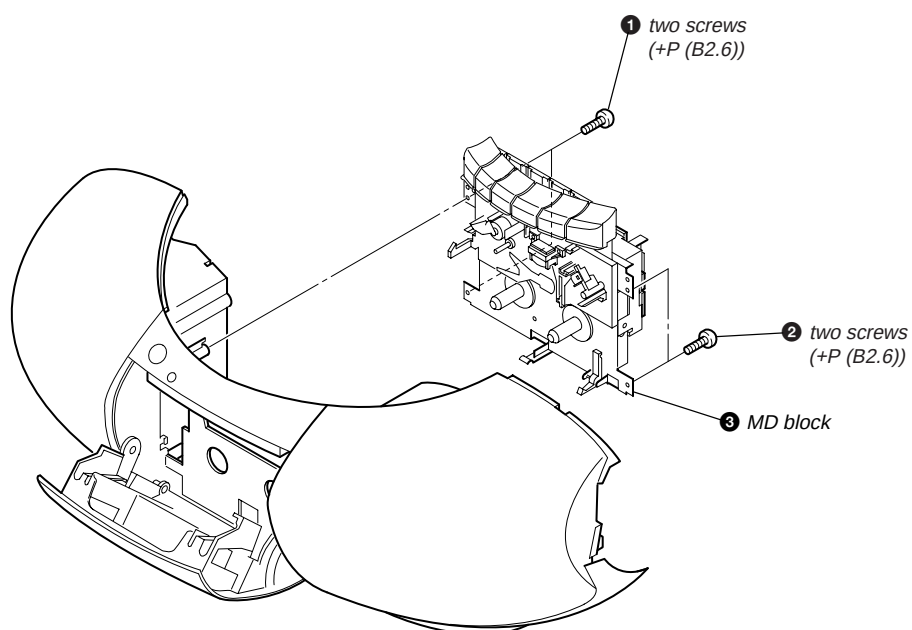
3-2. CABINET FRONT ASSY, CABINET REAR ASSY



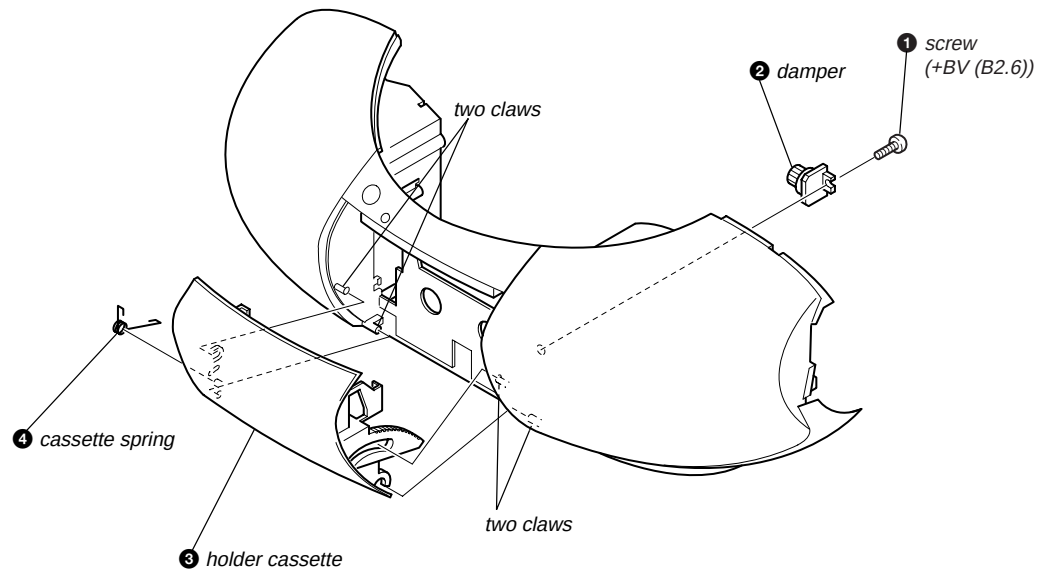
3-3. WIRES



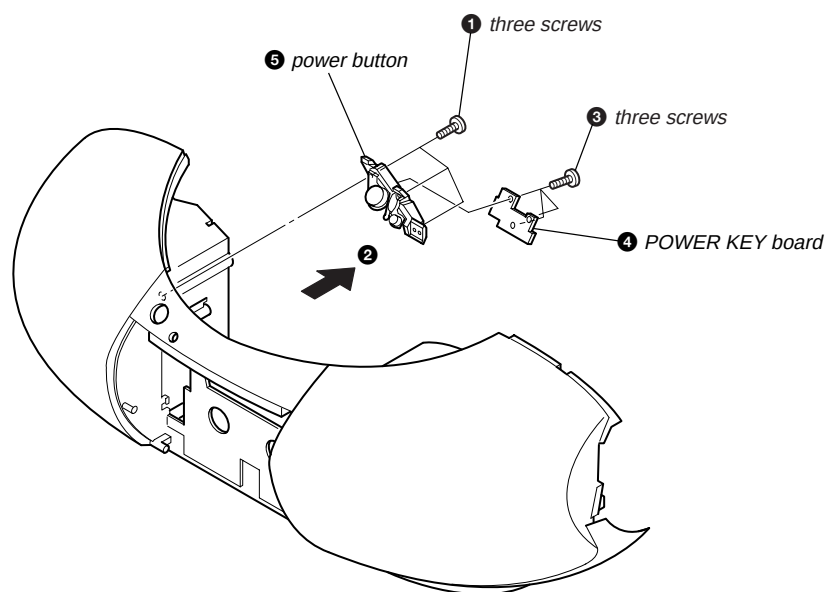
3-4. MD BLOCK



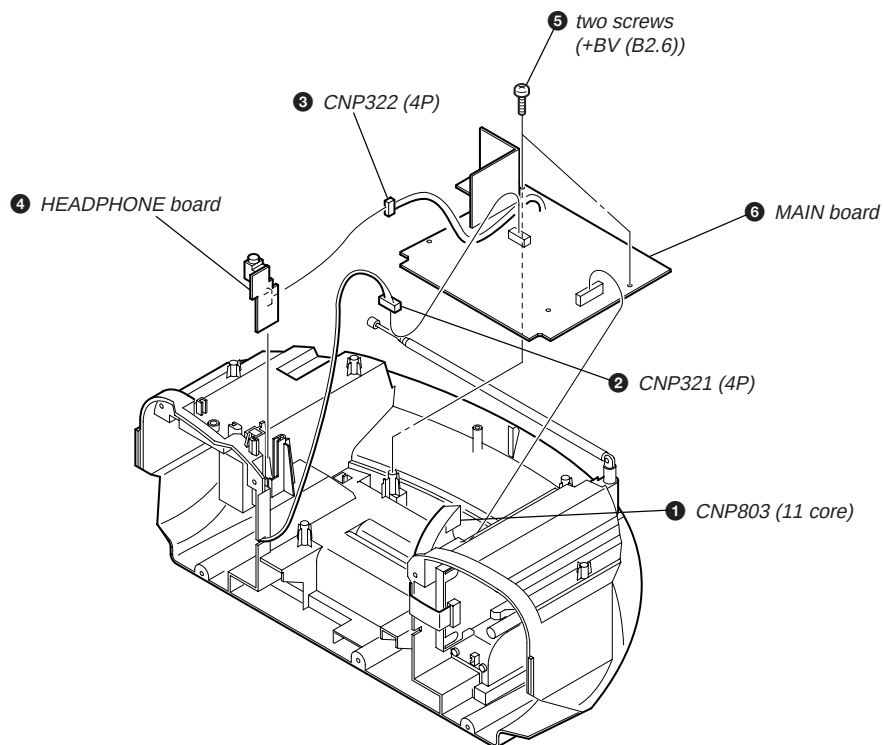
3-5. HOLDER CASSETTE



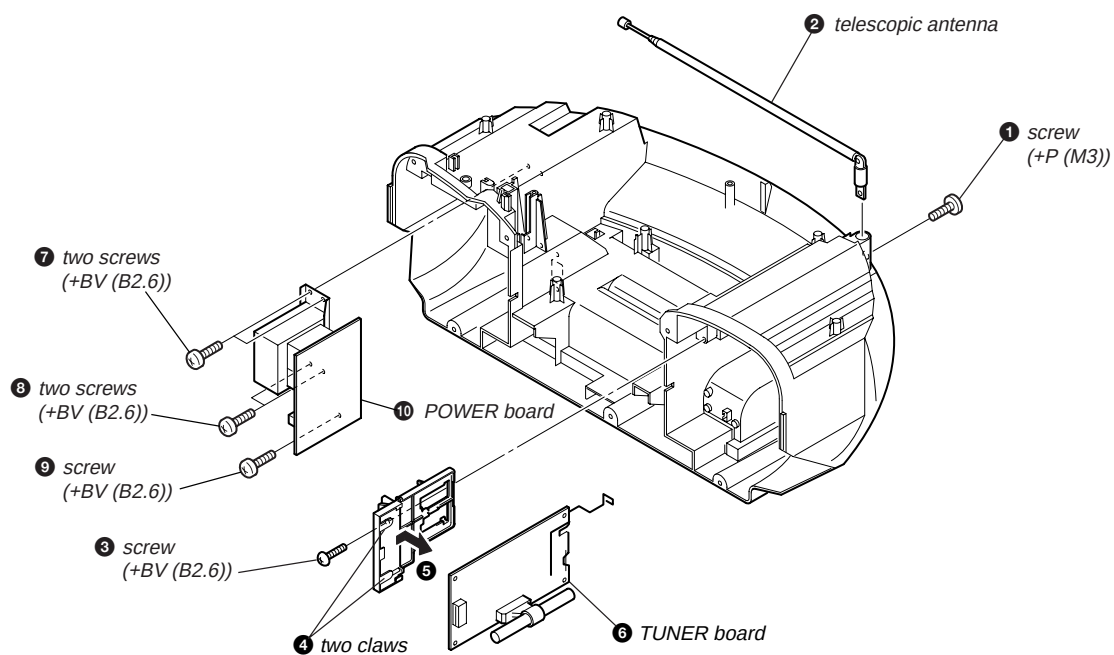
3-6. POWER KEY BOARD



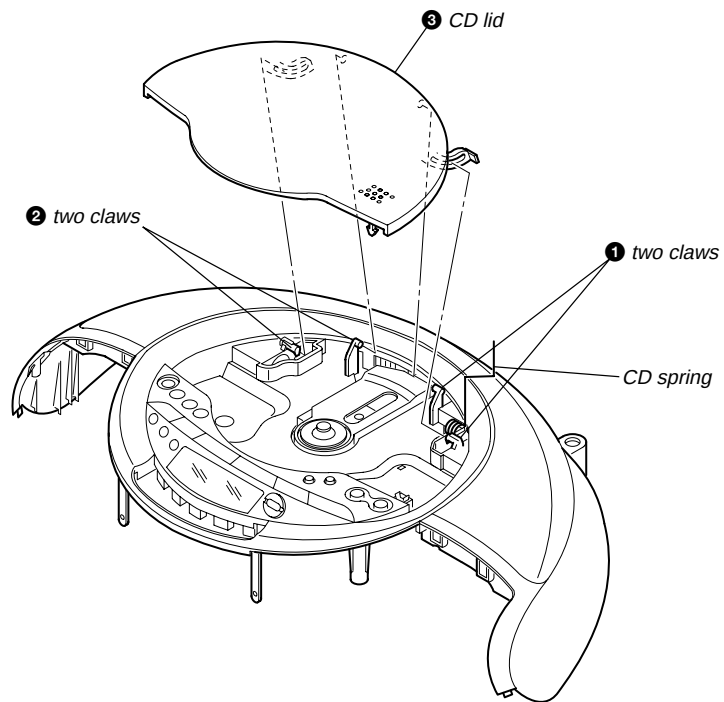
3-7. MAIN BOARD



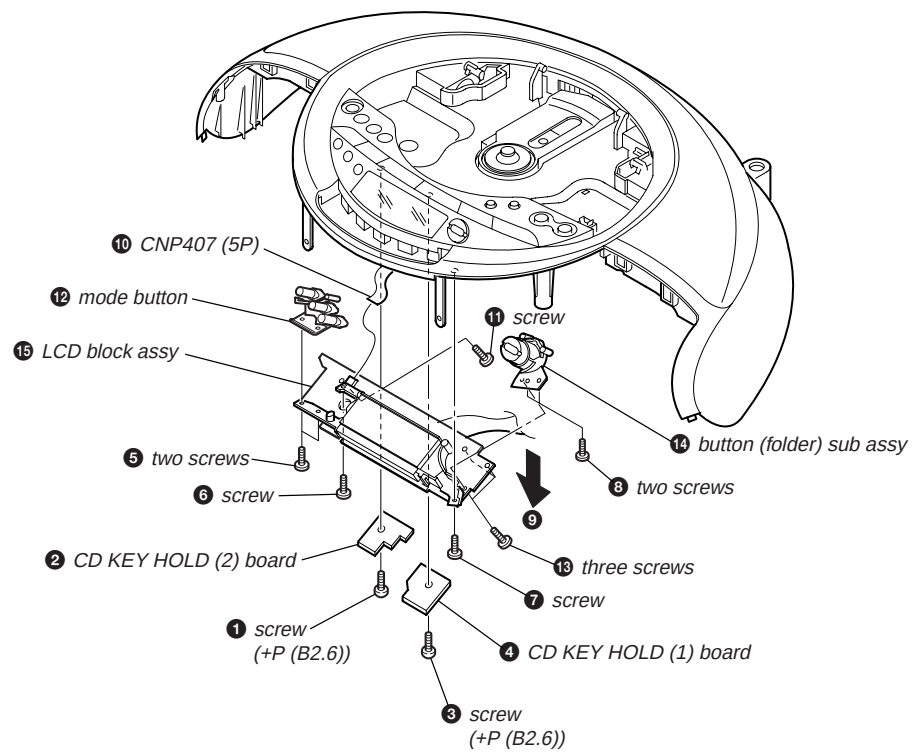
3-8. TUNER BOARD, POWER BOARD



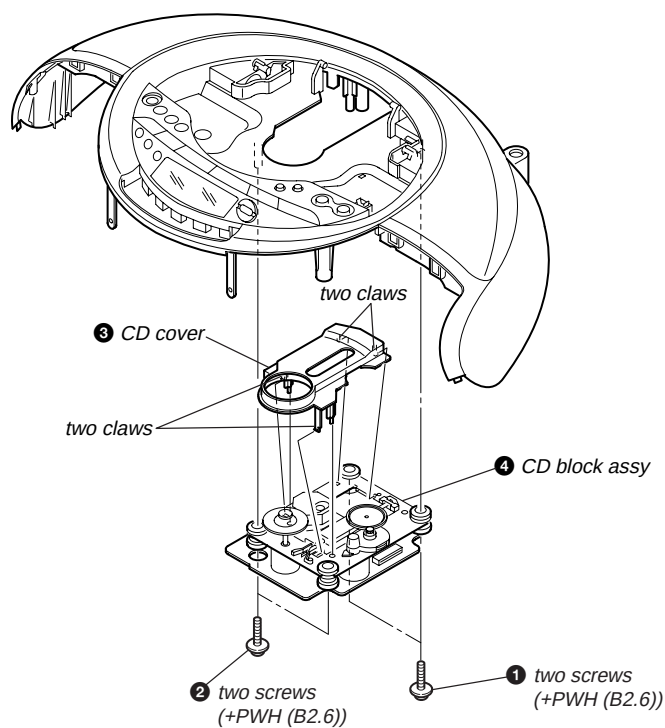
3-9. CD LID



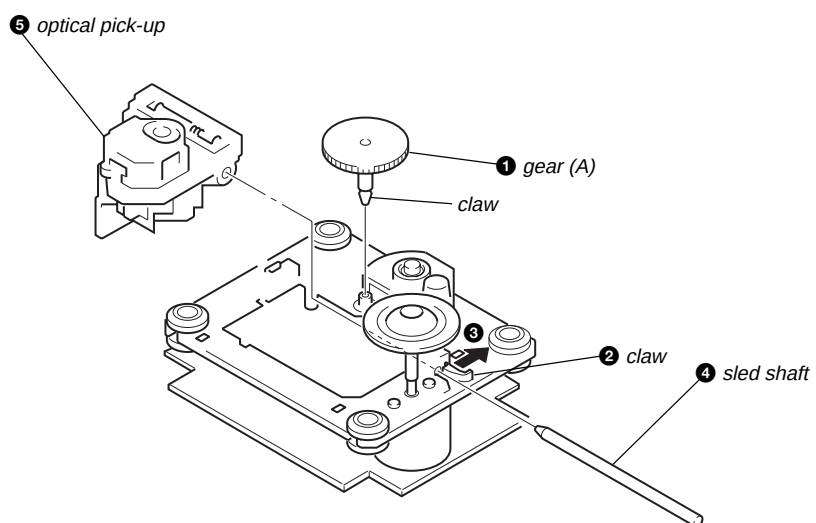
3-10. LCD BLOCK ASSY



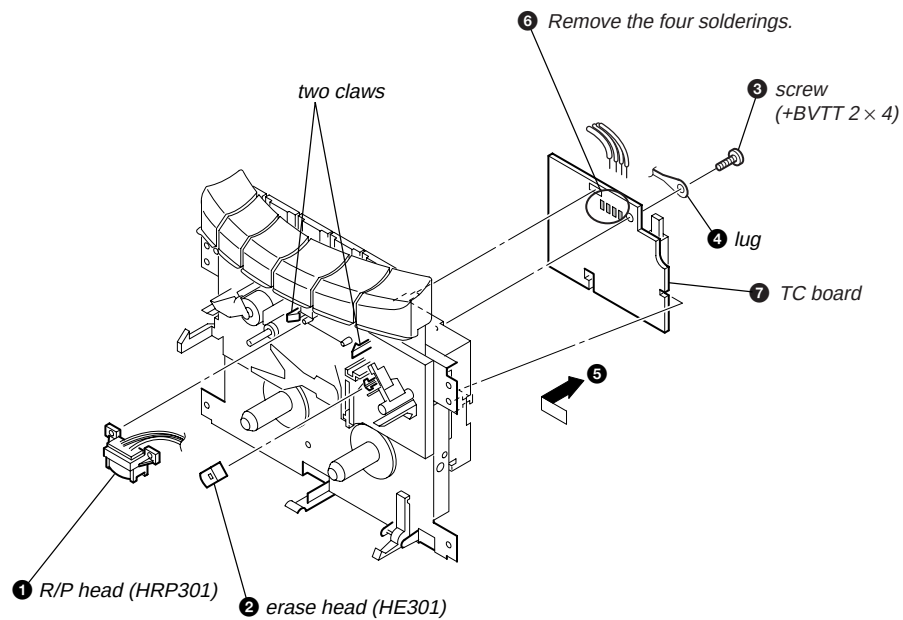
3-11. CD BLOCK ASSY



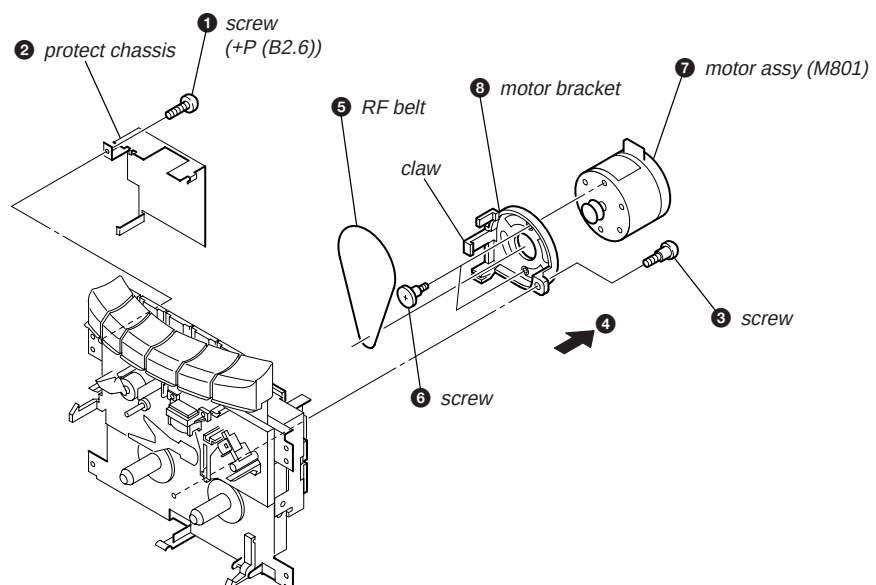
3-12. OPTICAL PICK-UP



3-13. R/P HEAD (HRP301), ERASE HEAD (HE301), TC BOARD



3-14. MOTOR ASSY (M801), RF BELT



SECTION 4 MECHANICAL ADJUSTMENTS

PRECAUTION

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

record/playback heads	pinch rollers
erase head	rubber belts
capstan	idlers
- Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head magnetizer close to the erase head.)
- Do not use a magnetized screwdriver for the adjustments.
- The adjustments should be performed with the rated power supply voltage (9V) unless otherwise noted.

Torque Measurement

Mode	Torque meter	Meter reading
FWD	CQ-102C	2.95 – 6.86 mN • m (30 – 70 g • cm) (0.42 – 0.97 oz • inch)
FWD back tension	CQ-102C	0.15 – 0.53 mN • m (1.5 – 5.5 g • cm) (0.021 – 0.076 oz • inch)
FF	CQ-201B	more than 5.88 mN • m (more than 60 g • cm) (more than 0.83 oz • inch)
REW	CQ-201B	more than 5.88 mN • m (more than 60 g • cm) (more than 0.83 oz • inch)

Tape Tension Measurement

Mode	Torque meter	Meter reading
FWD	CQ-403A	more than 100 g (more than 3.53 oz)

SECTION 5 ELECTRICAL ADJUSTMENTS

TAPE SECTION

0 dB=0.775V

• Standard Output Level

Output terminal	HP OUT
load impedance	32 Ω
output signal level	0.25 V (–10 dB)

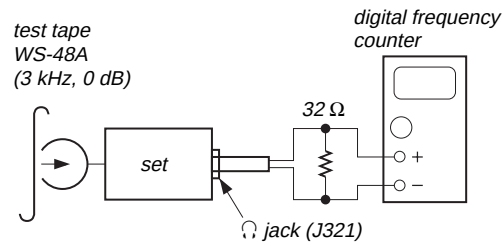
• Test Tape

Type	Signal	Used for
WS-48A	3 kHz, 0 dB	tape speed adjustment

Tape Speed Adjustment

Procedure:

Mode: playback



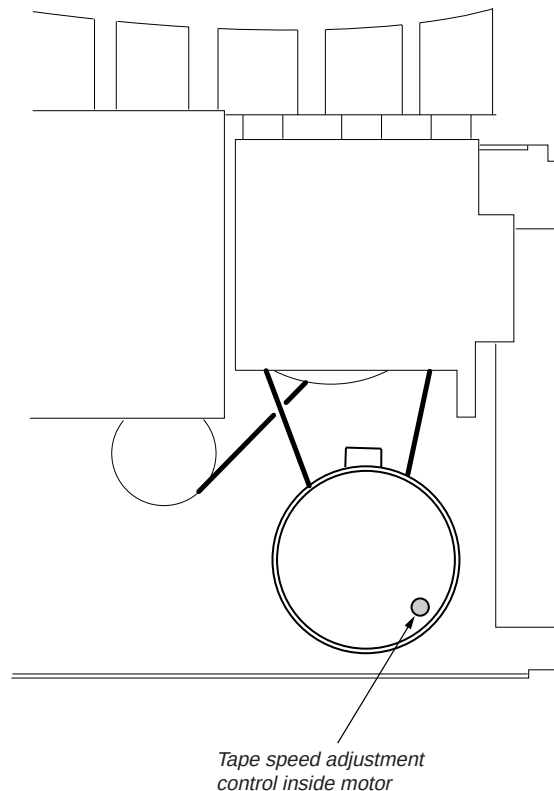
Adjust so that the value on the digital frequency counter is 3,000 Hz.

Specification Value:

Digital frequency counter
2,910 to 3,090 Hz

Adjust so that the frequency at the beginning and that at the end of tape winding are between 2,910 to 3,090 Hz.

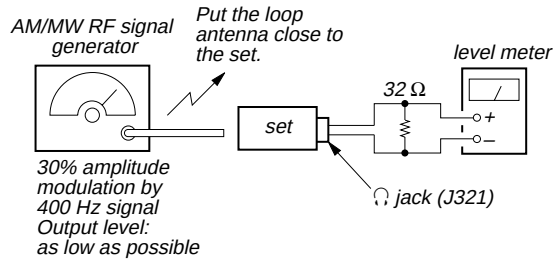
Adjustment Location:



TUNER SECTION0 dB=1 μ V**[AM/MW]****Setting:**

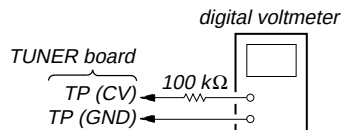
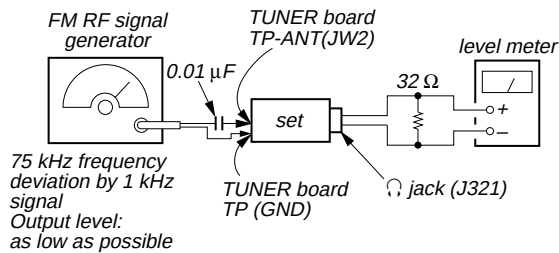
Function: RADIO

Band: AM or MW or LW

**[FM]****Setting:**

Function: RADIO

BAND button: FM



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

AM/MW IF ADJUSTMENT

Adjust for a maximum reading on level meter

T1	450 kHz
----	---------

AM FREQUENCY COVERAGE ADJUSTMENT

(EA, KR, MX, SP, TH model)

Adjustment Part	Frequency Display	Reading on Digital Voltmeter
L4	531 kHz	1.0 $\pm$ 0.05 V
Confirmation	1,611 kHz	4.8 $\pm$ 0.7 V

AM TRACKING ADJUSTMENT (EA, KR, MX, SP, TH model)

Adjust for a maximum reading on level meter

L3	621 kHz
CT3	1,404 kHz

MW FREQUENCY COVERAGE CONFIRMATION

(CET, RU model)

Frequency Display	Reading on Digital Voltmeter
531 kHz	0.9 $\pm$ 0.4 V
1,611 kHz	5.2 $\pm$ 0.5 V

MW TRACKING ADJUSTMENT (CET, RU model)

Adjust for a maximum reading on level meter

L3-1	621 kHz
CT3	1,404 kHz

LW FREQUENCY COVERAGE ADJUSTMENT (CET, RU model)

Adjustment Part	Frequency Display	Reading on Digital Voltmeter
Confirmation	153 kHz	0.6 $\pm$ 0.05 V
L4	279 kHz	5.3 $\pm$ 0.5 V

LW TRACKING ADJUSTMENT (CET, RU model)

Adjust for a maximum reading on level meter

L3-2	162 kHz
CT5	261 kHz

FM IF ADJUSTMENT

Adjust for a minimum reading on level meter

T2	10.7 MHz
----	----------

FM FREQUENCY COVERAGE ADJUSTMENT

Adjustment Part	Frequency Display	Reading on Digital Voltmeter
L2	108 MHz	3.0 $\pm$ 0.2 V
Confirmation	87.5 MHz	1.3 $\pm$ 0.3 V

FM TRACKING ADJUSTMENT

Adjust for a maximum reading on level meter

L1	87.5 MHz
CT1	108 MHz

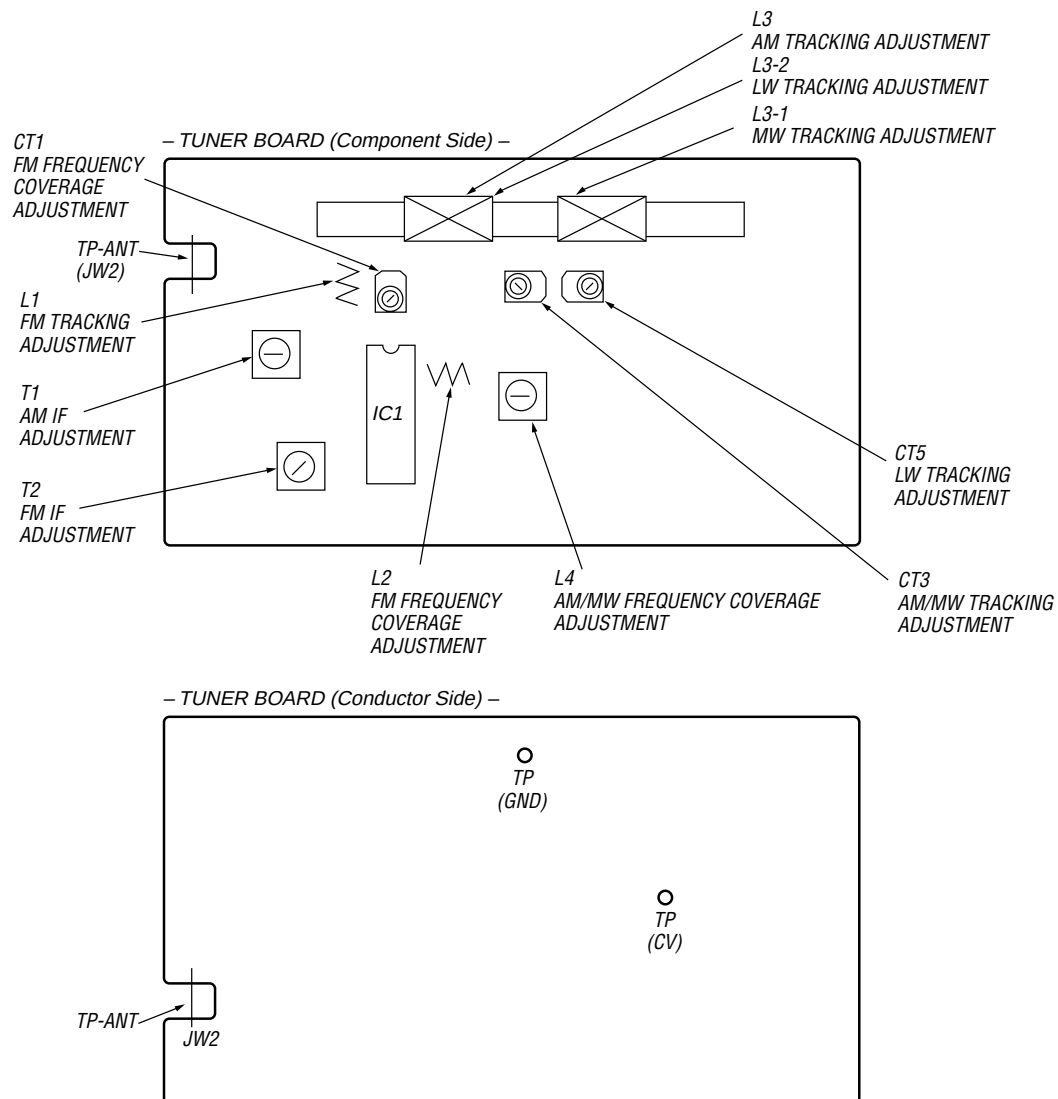
Adjustment and Connecting Location:

TUNER board (See page 16)

• Abbreviation

CET : East European and CSI model.
 EA : Saudi Arabia model.
 KR : Korean model.
 MX : Mexican model.
 RU : Russian model.
 SP : Singapore model.
 TH : Thai model.

Adjustment and Connecting Location:



CD SECTION

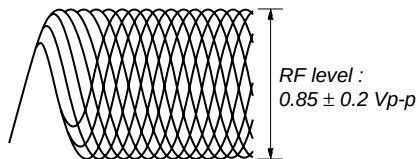
CD section adjustments are done automatically in this set.
In case of operation check, confirm that focus bias.

FOCUS BIAS CHECK

1. Connect the oscilloscope between IC701 pin ④ and pin ⑪ (or TP (RF) and TP (VREF)).
2. Insert the disc (YEDS-18). (Part No. : 3-702-101-01)
3. Press the  (CD) button.
4. Confirm that the oscilloscope waveform is as shown in the figure below. (eye pattern)
A good eye pattern means that the diamond shape (◇) in the center of the waveform can be clearly distinguished.

- RF signal reference waveform (eye pattern)

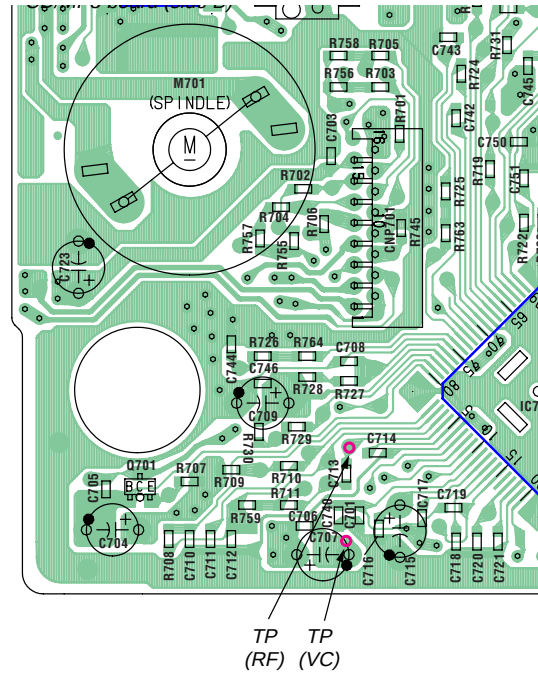
VOLT/DIV : 50 mV (10 : 1 probe in use)
TIME/DIV : 500 nS



When observing the eye pattern, set the oscilloscope for AC range and raise vertical sensitivity.

Test Point:

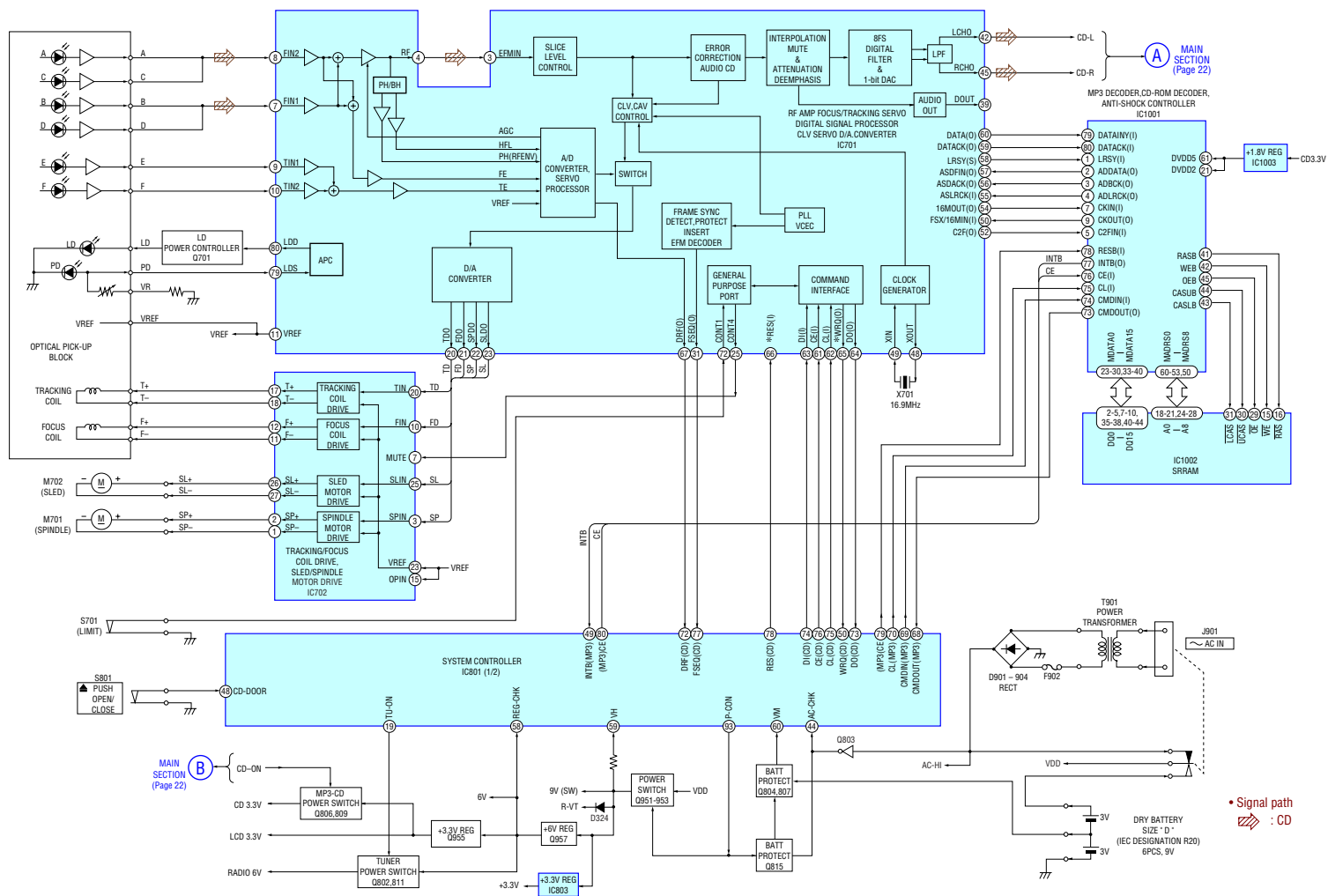
– MP3-CD Board (Side B) –



MEMO

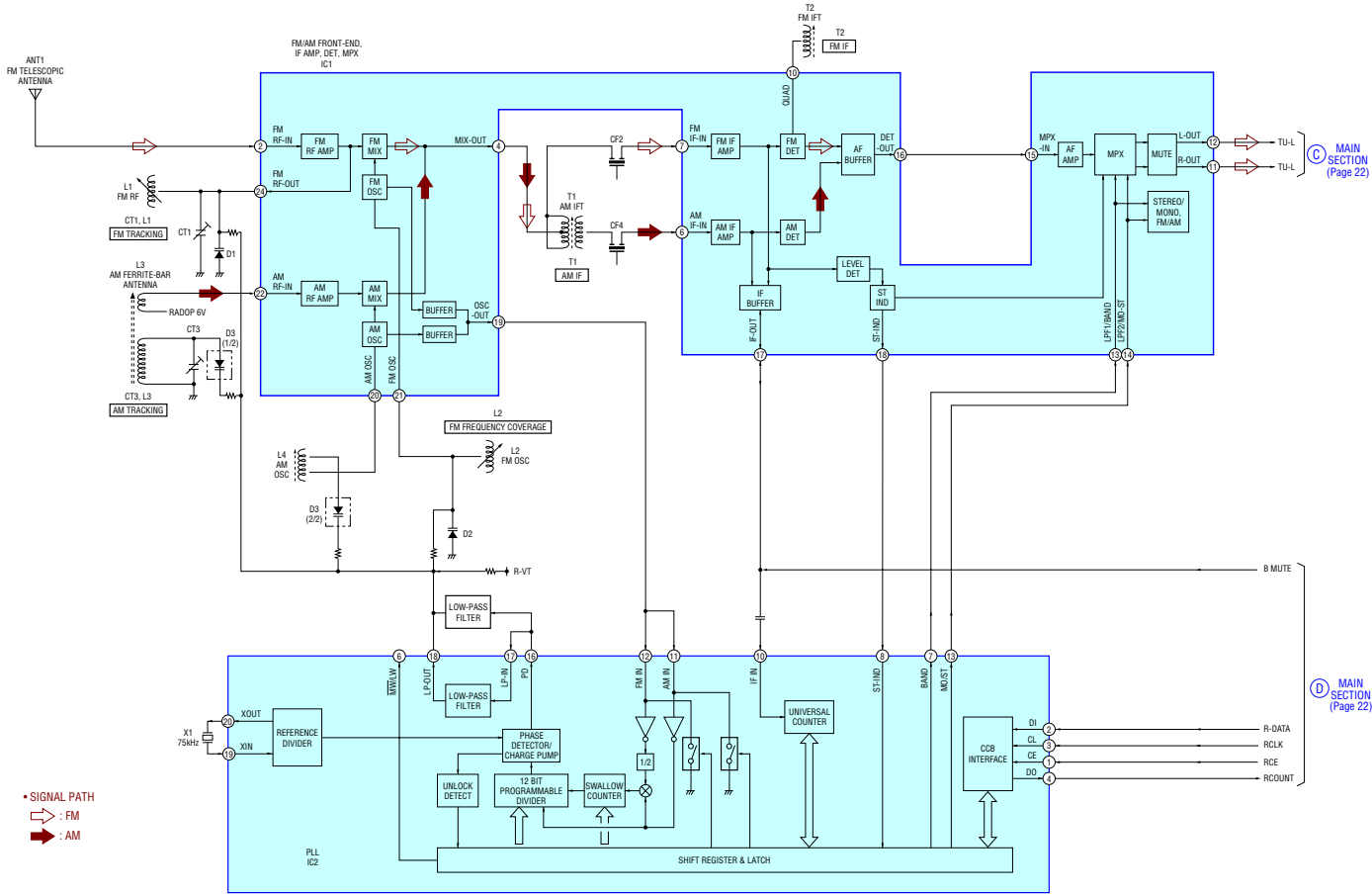
SECTION 6 DIAGRAMS

6-1. BLOCK DIAGRAM - CD SECTION -



CFD-S35CP

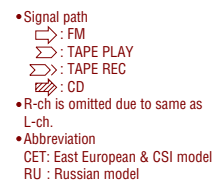
6-2. BLOCK DIAGRAM - TUNER-2 BAND SECTION -





Ver. 1.1

6-4. BL



• NOTE FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

Note on Schematic Diagrams:

- All capacitors are in μF unless otherwise noted. (p: pF)
- 50 WV 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.
- Δ : internal tolerance.
- $\square$: panel designation.

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

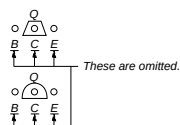
- $\square$: B+ Line.
- $\square$: adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- CD Board —
no mark : CD PLAY
- TUNER Board —
no mark : FM
- () : AM (MW)
- < : LW
- Other Boards —
no mark : FM
- () : PB
- < : REC
- [] : CD PLAY
- Voltages are taken with a VOM (input impedance 10 M Ω).
Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with an oscilloscope.
Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
- $\Rightarrow$: FM
- $\Rightarrow$: AM (MW/LW)
- $\Rightarrow$: PB
- $\Rightarrow$: REC
- $\Rightarrow$: CD PLAY
- Abbreviation
- CET : East European and CSI model.
- EA : Saudi Arabia model.
- KR : Korean model.
- MX : Mexican model.
- RU : Russian model.
- SP : Singapore model.
- TH : Thai model.

Note on Printed Wiring Boards:

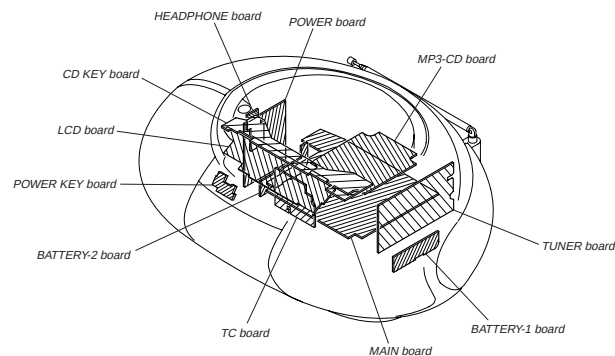
- $\square$: parts extracted from the component side.
- $\square$: parts extracted from the conductor side.
- $\square$: indicates side identified with part number.
- Δ : internal component.
- $\square$: Pattern from the side which enables seeing.
(The other layers' patterns are not indicated.)

Caution:

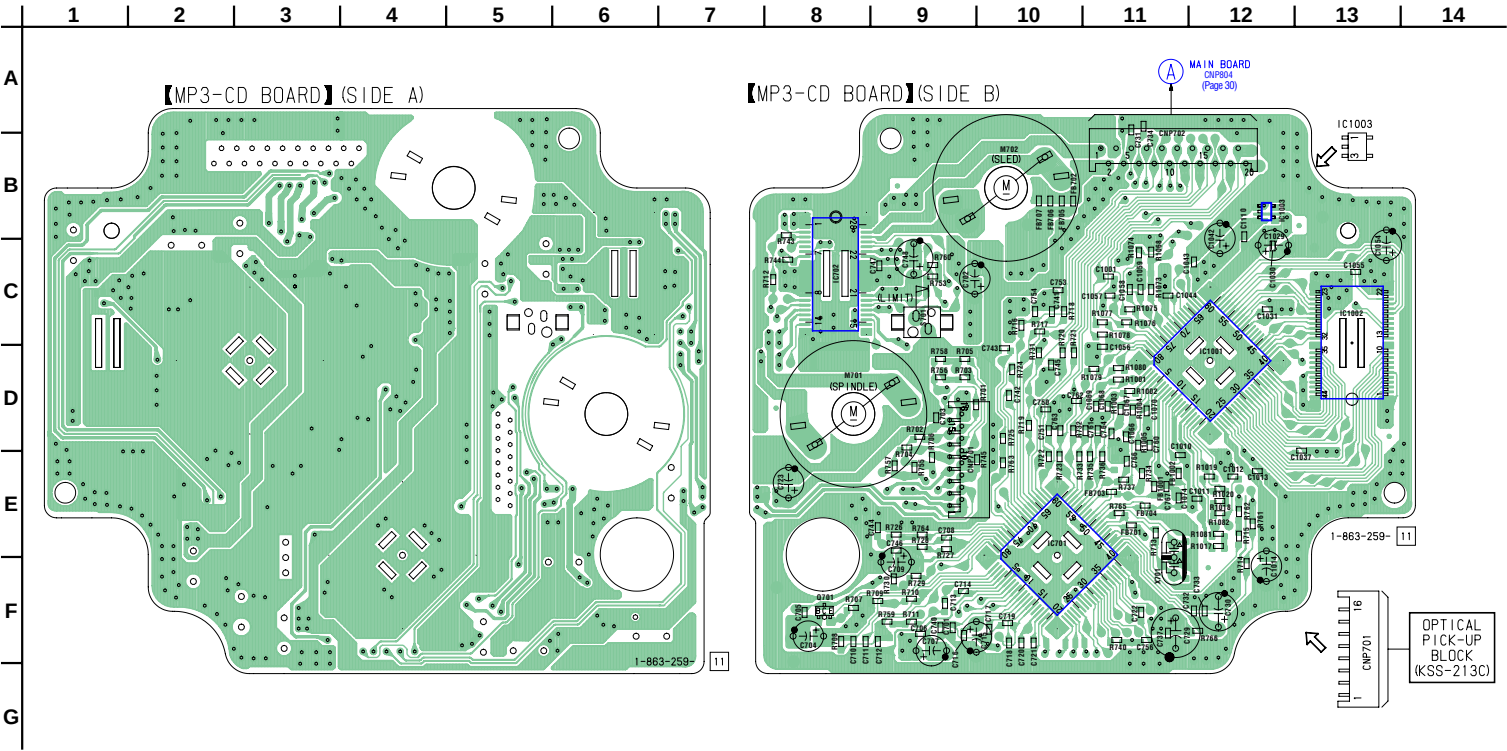
Pattern face side: Parts on the pattern face side seen from the pattern face are indicated.
(Conductor Side)
Parts face side: Parts on the parts face side seen from the parts face are indicated.
(Component Side)



• Circuit Boards Location



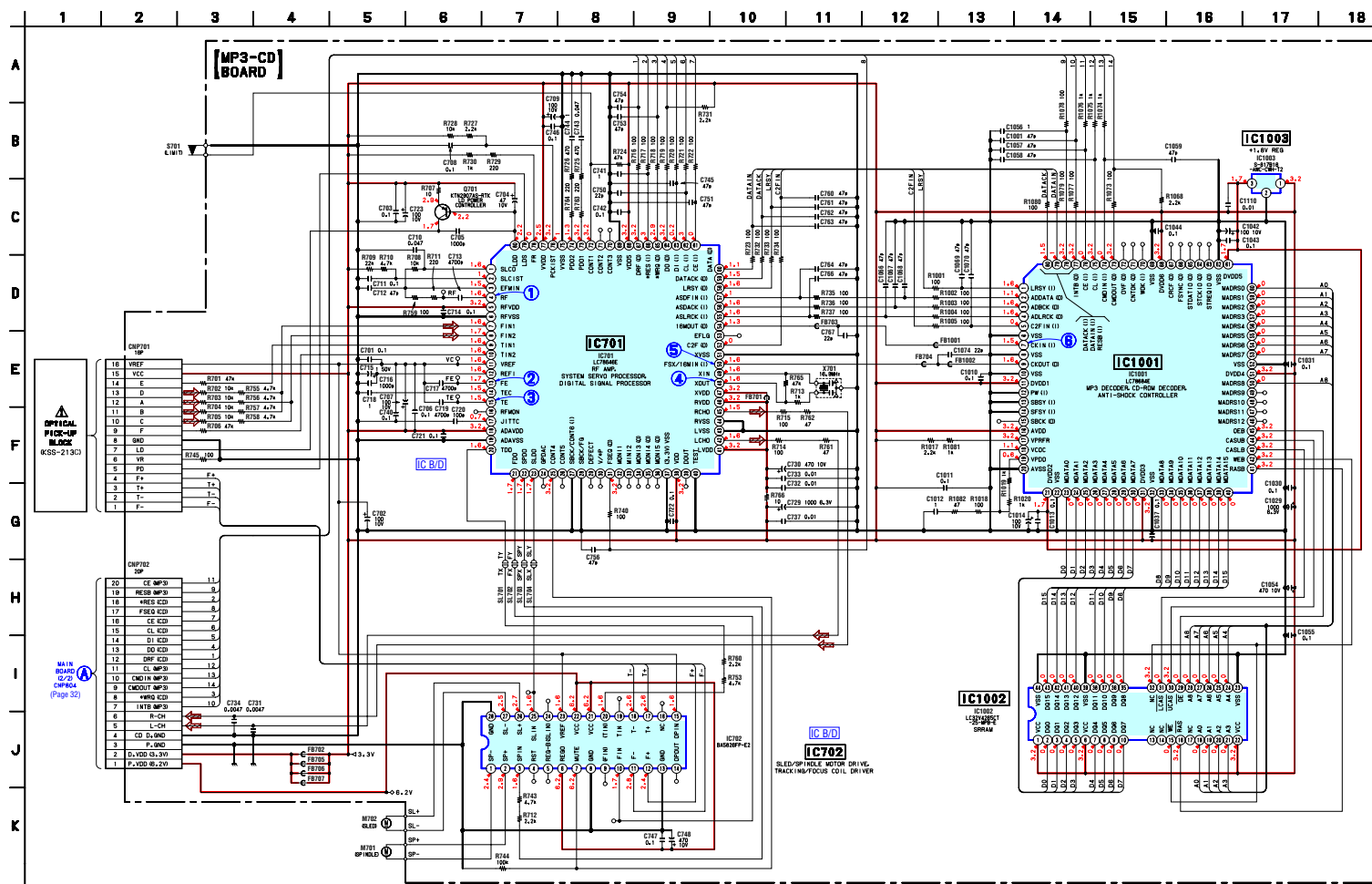
6-5. PRINTED WIRING BOARD – MP3-CD SECTION – • See page 23 for Circuit Boards Location.  :Uses unleaded solder.



• Semiconductor Location

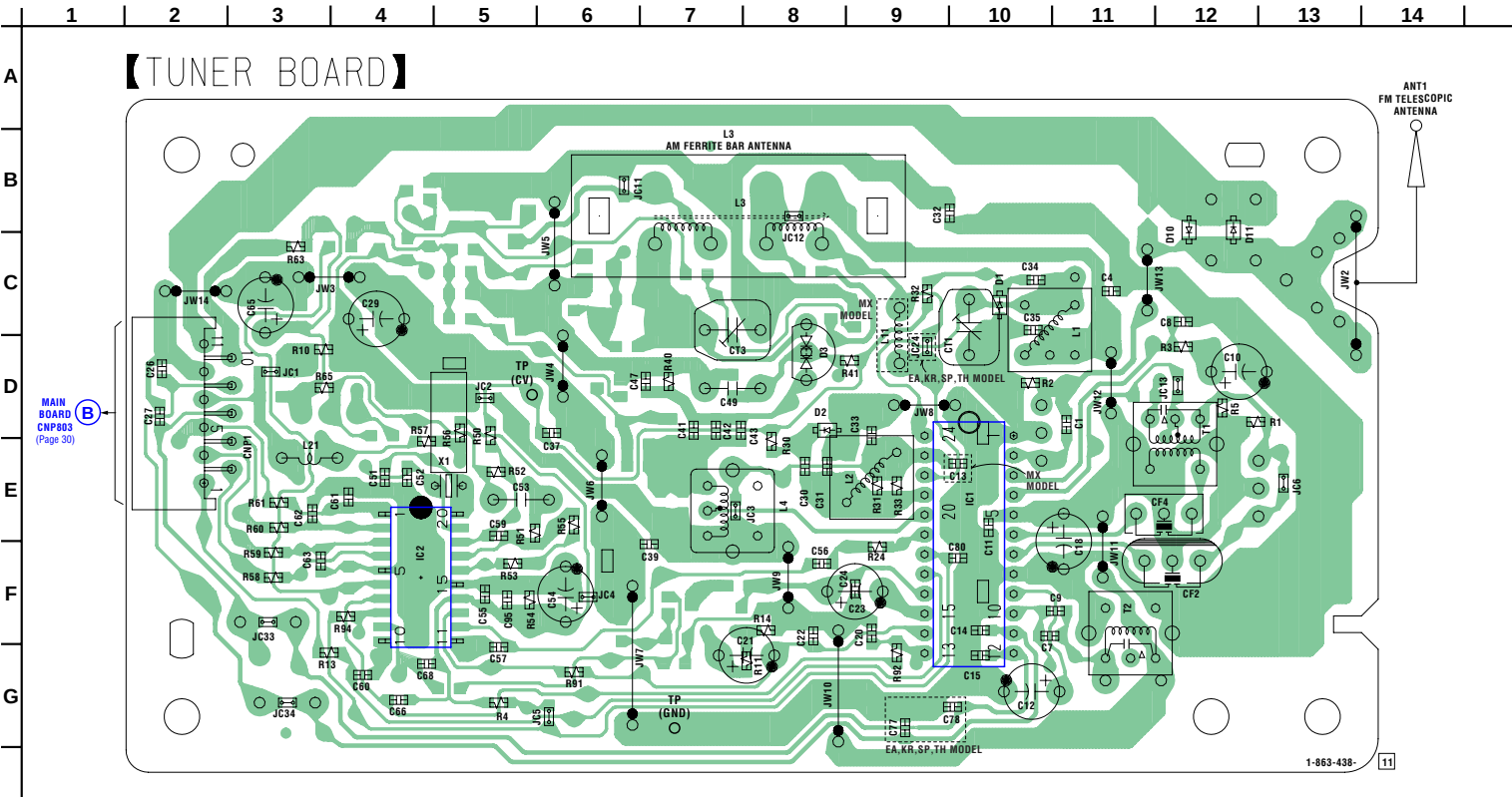
Ref. No.	Location
IC701	E-10
IC702	C-8
IC1001	D-12
IC1002	C-13
IC1003	B-12
Q701	F-8

6-6. SCHEMATIC DIAGRAM - MP3-CD SECTION - • See page 40, 41 for IC Block Diagrams. • See page 39 for Waveforms.



CFD-S35CP

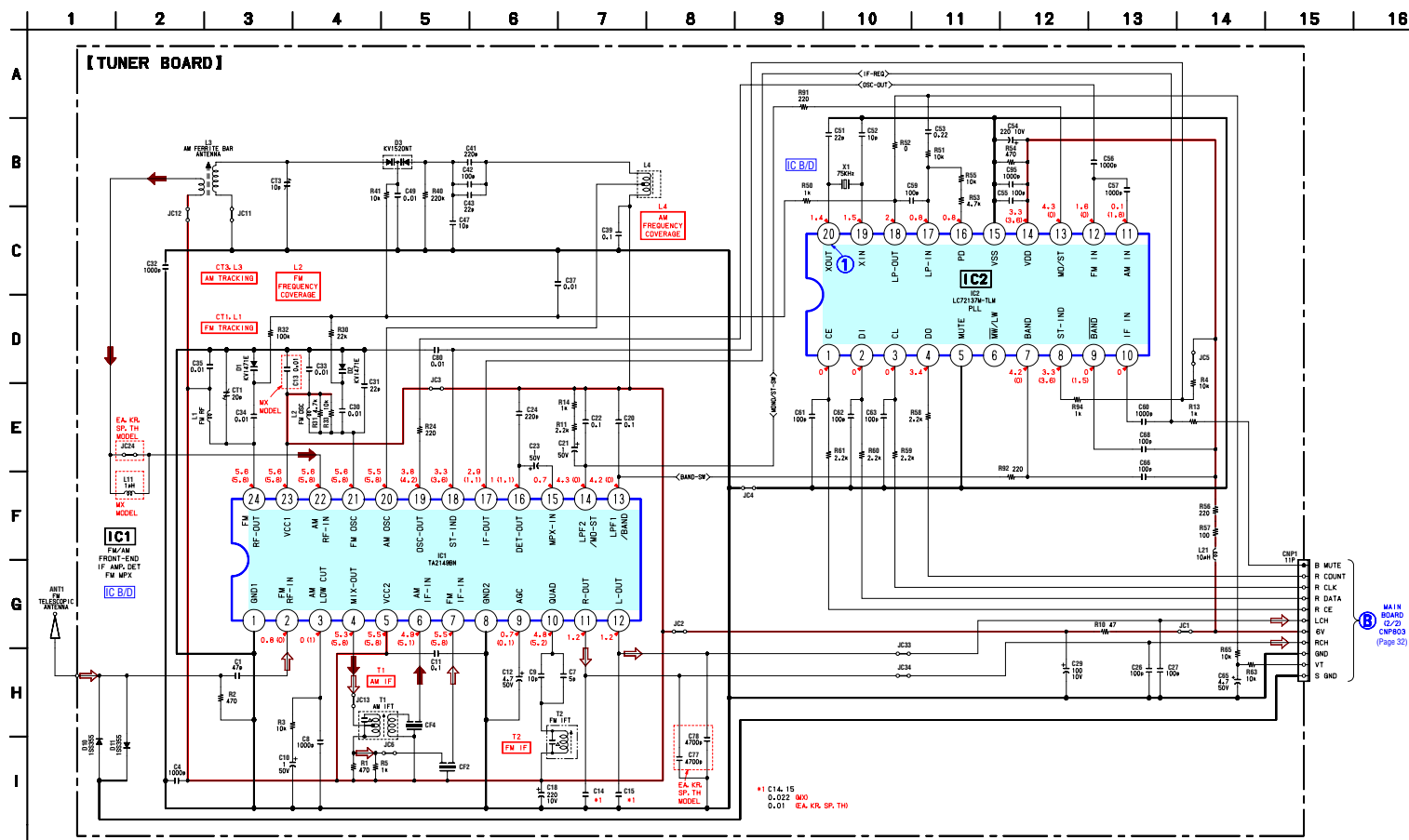
6-7. PRINTED WIRING BOARD – TUNER-2 BAND SECTION – • See page 23 for Circuit Boards Location.  :Uses unleaded solder.

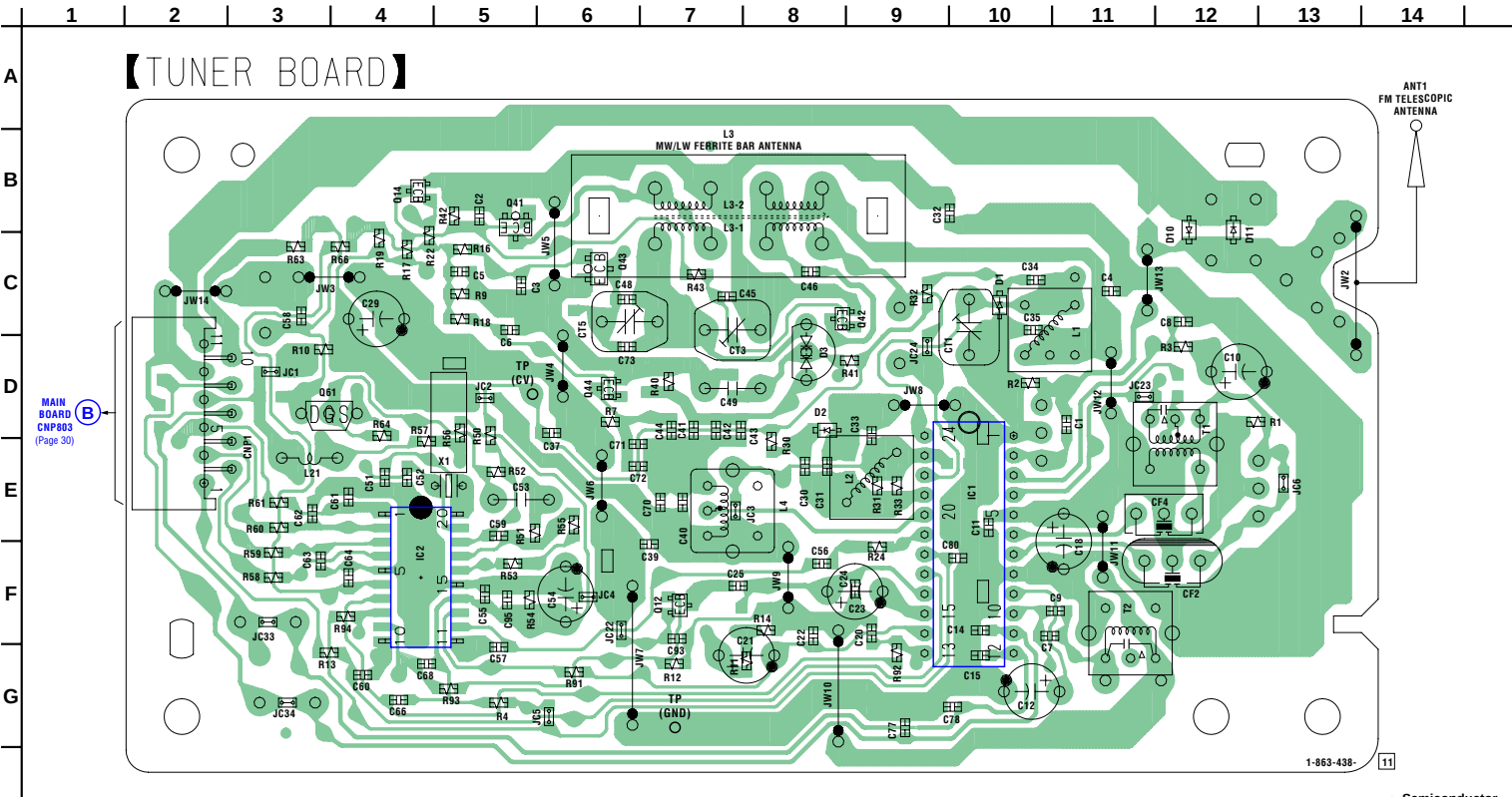


• Semiconductor Location

Ref. No.	Location
D1	C-10
D2	D-8
D3	D-8
D10	B-12
D11	B-12
IC1	E-10
IC2	F-4

6-8. SCHEMATIC DIAGRAM – TUNER-2 BAND SECTION – • See page 41, 42 for IC Block Diagrams. • See page 39 for Waveform.

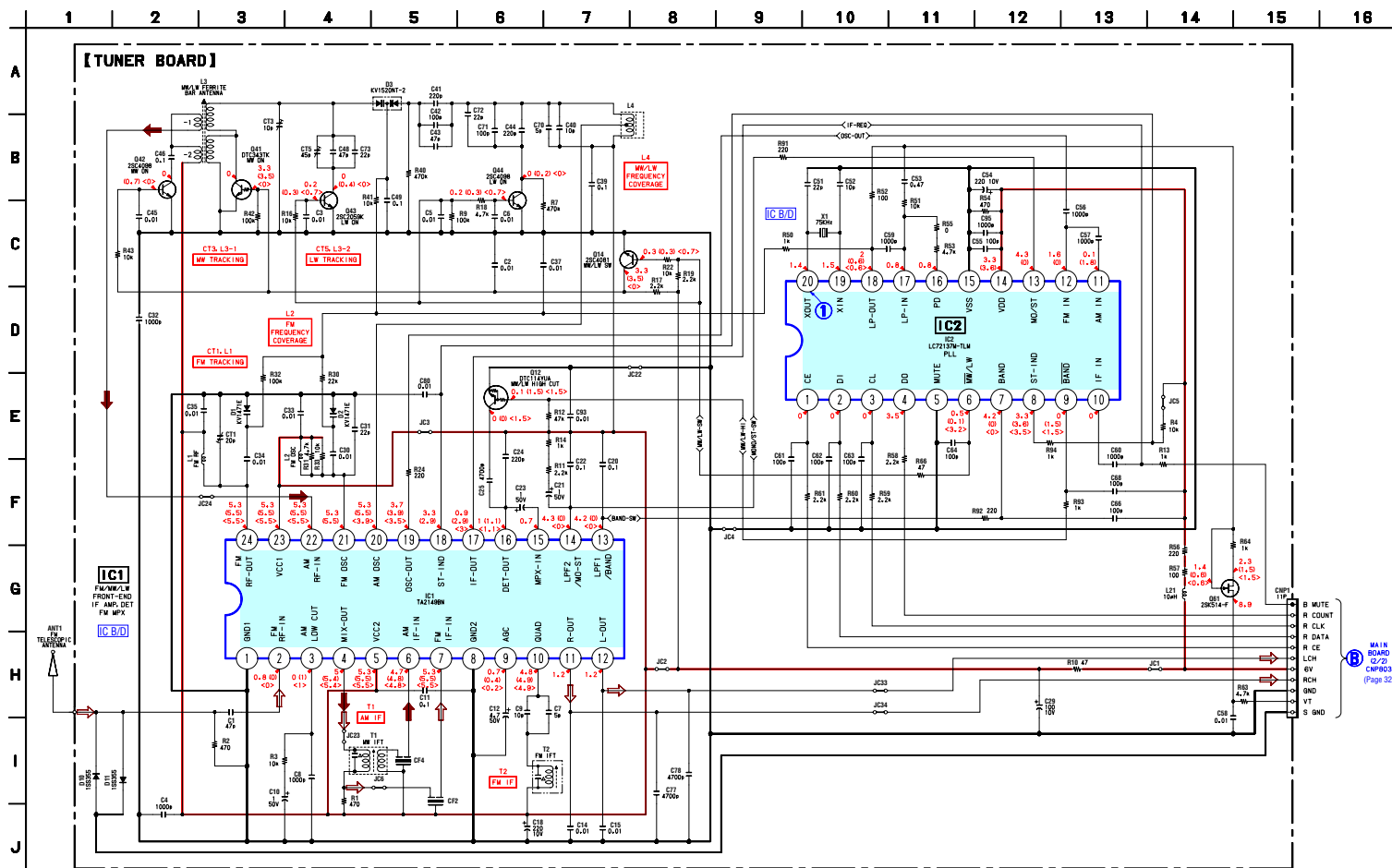




• Semiconductor Location

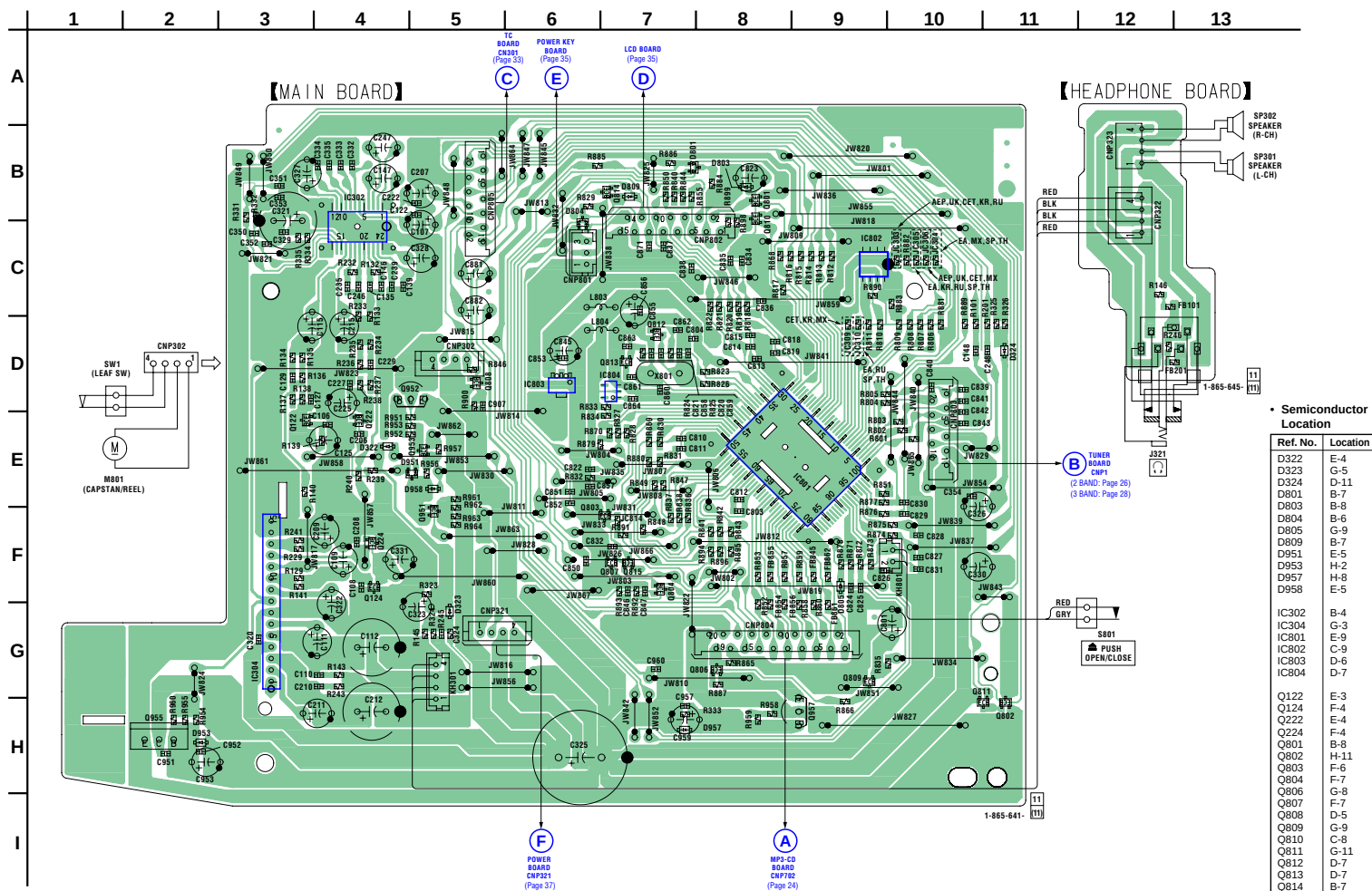
Ref. No.	Location
D1	C-10
D2	D-8
D3	D-8
D10	B-12
D11	B-12
IC1	E-10
IC2	F-4
Q12	F-7
Q14	B-4
Q41	B-5
Q42	C-9
Q43	C-6
Q44	D-6
Q61	D-3

6-10. SCHEMATIC DIAGRAM – TUNER-3 BAND SECTION – • See page 41, 42 for IC Block Diagrams. • See page 39 for Waveform.



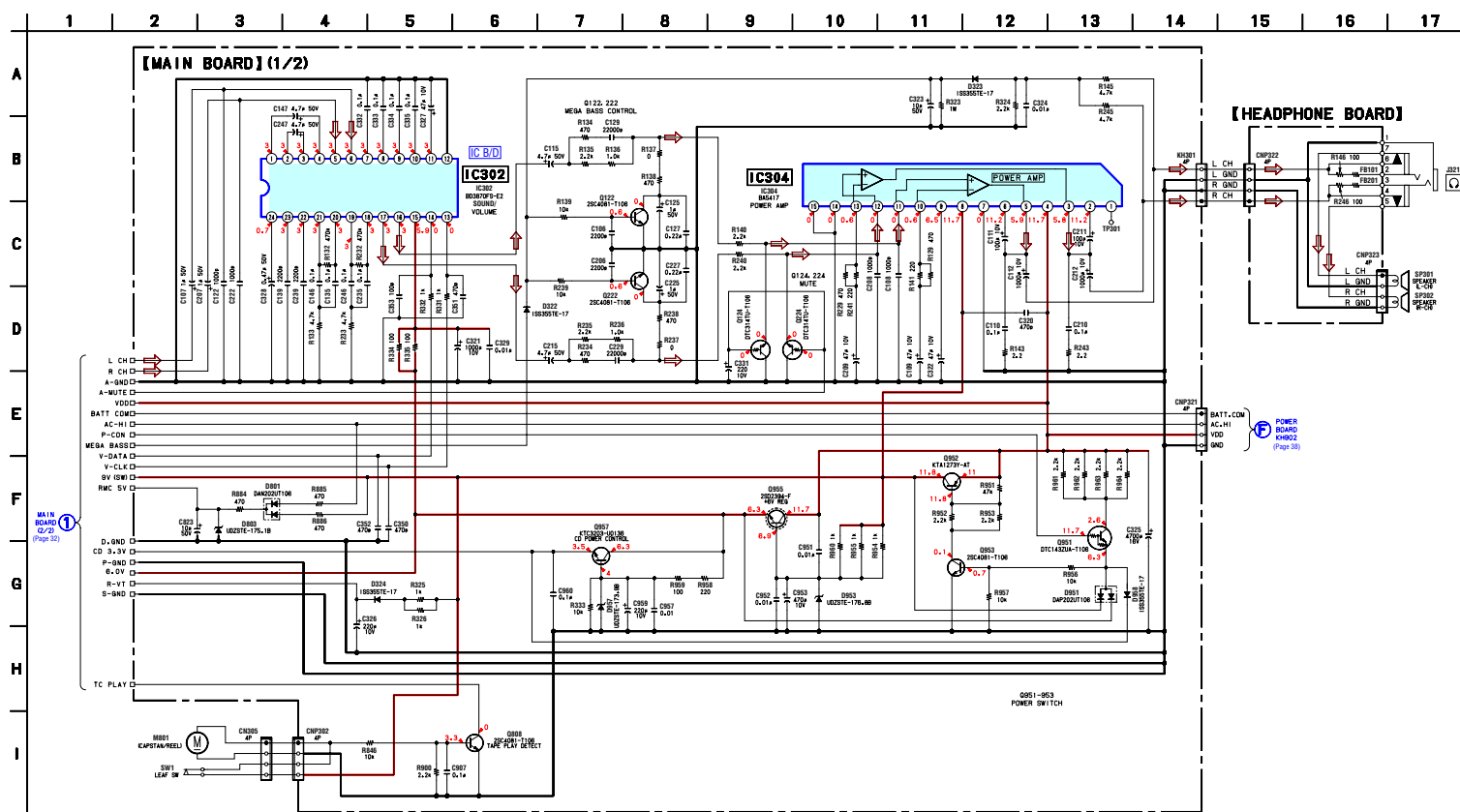
Ver. 1.1

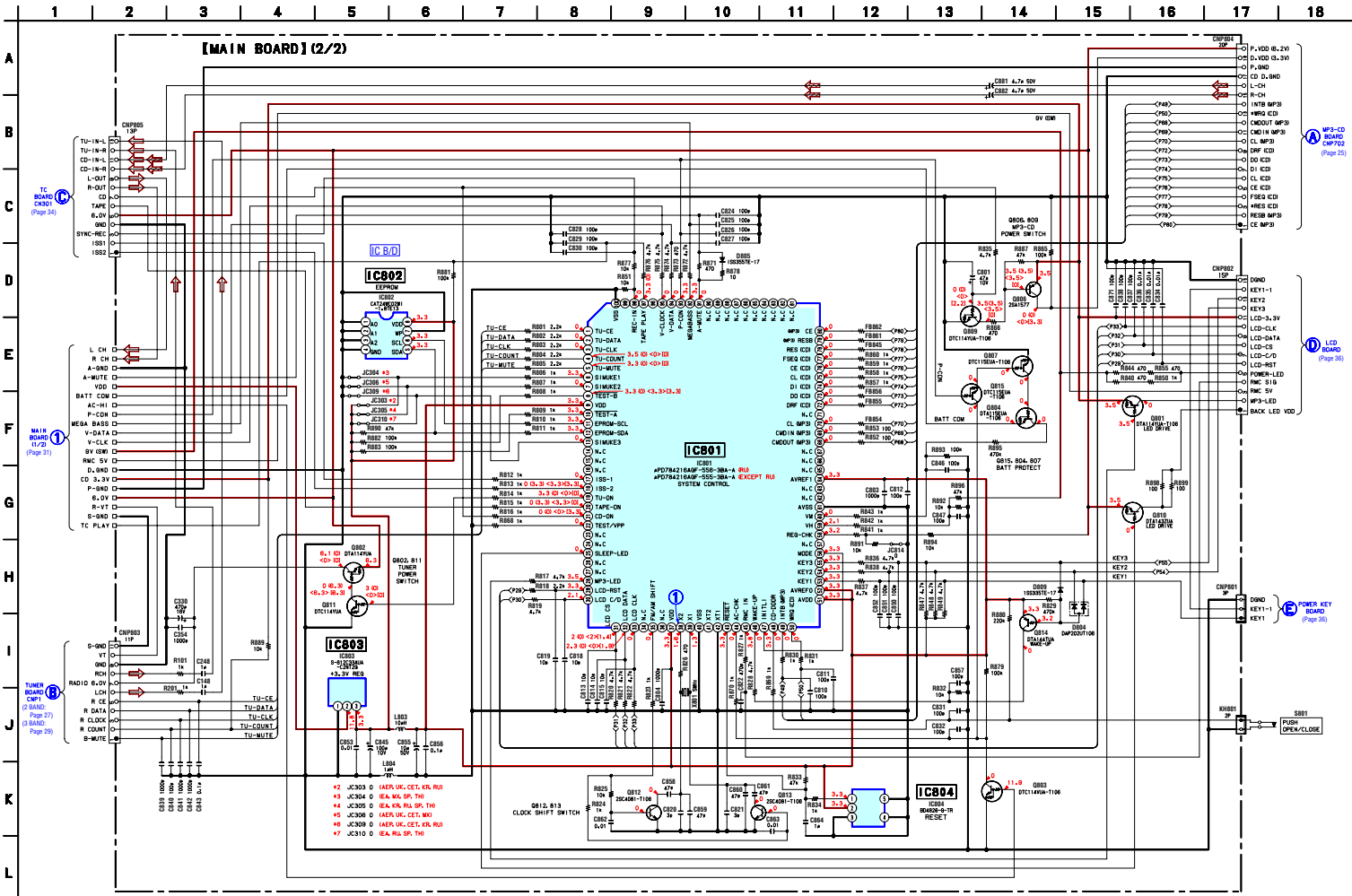
6-11. PRINTED WIRING BOARDS – MAIN SECTION – • See page 23 for Circuit Boards Location.  :Uses unleaded solder.



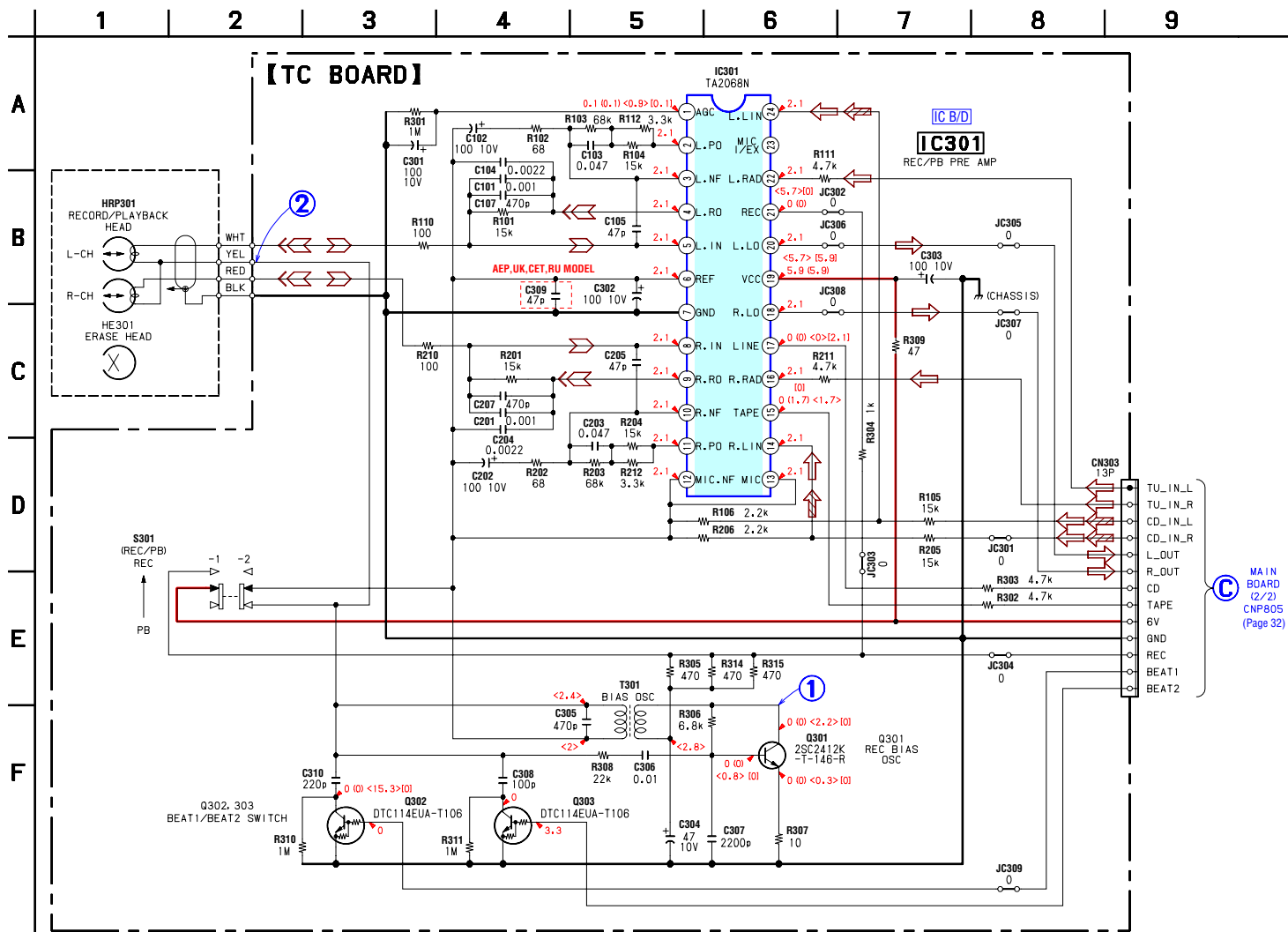
Semiconductor	
Location	
Ref. No.	Location
D322	E-4
D323	E-4
D324	D-11
D801	B-7
D803	B-8
D804	B-6
D805	G-9
D809	B-7
D951	E-5
D952	H-2
D957	H-8
D958	E-5
IC302	B-4
IC304	G-3
IC801	E-2
IC802	C-9
IC803	D-6
IC804	D-7
Q122	F-3
Q124	E-4
Q222	E-2
Q224	F-4
R801	B-8
R802	H-11
R803	F-6
R804	F-7
R806	G-8
R807	F-7
R808	D-5
R809	C-8
R810	G-9
R811	G-11
R812	D-7
R813	D-7
R814	B-7
R815	F-7
R951	E-5
R952	D-5
R953	E-5
R957	H-2
R958	H-9

6-12. SCHEMATIC DIAGRAM - MAIN SECTION (1/2) - • See page 42 for IC Block Diagram.

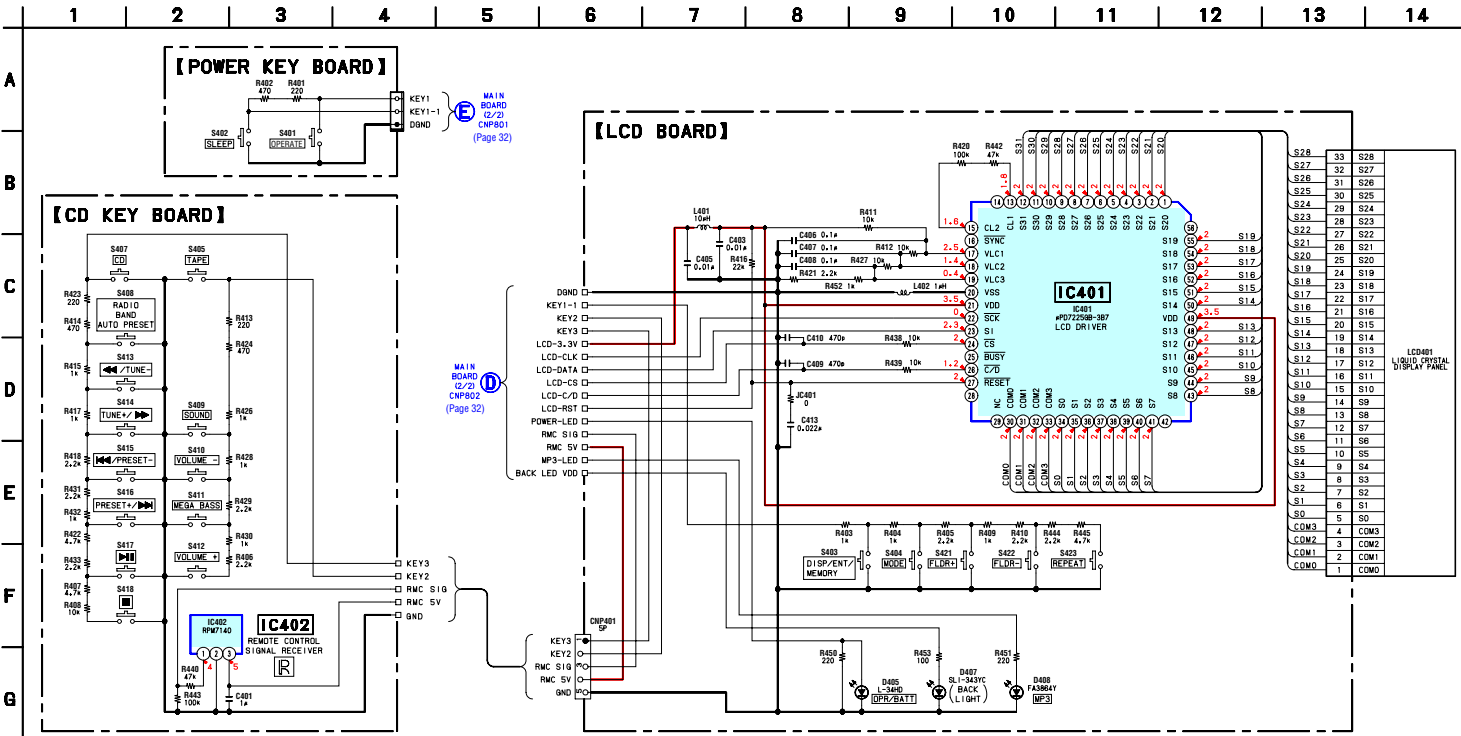




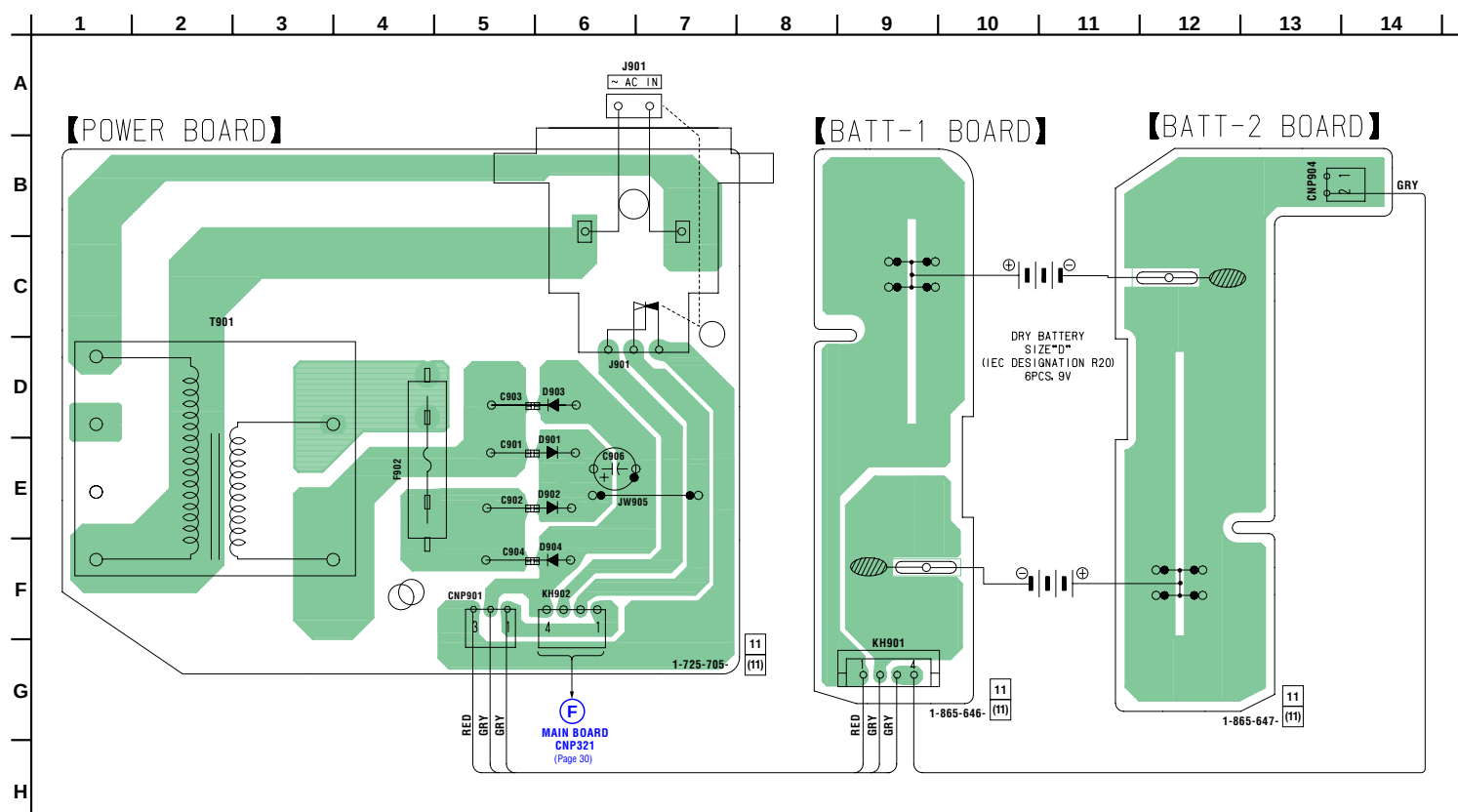


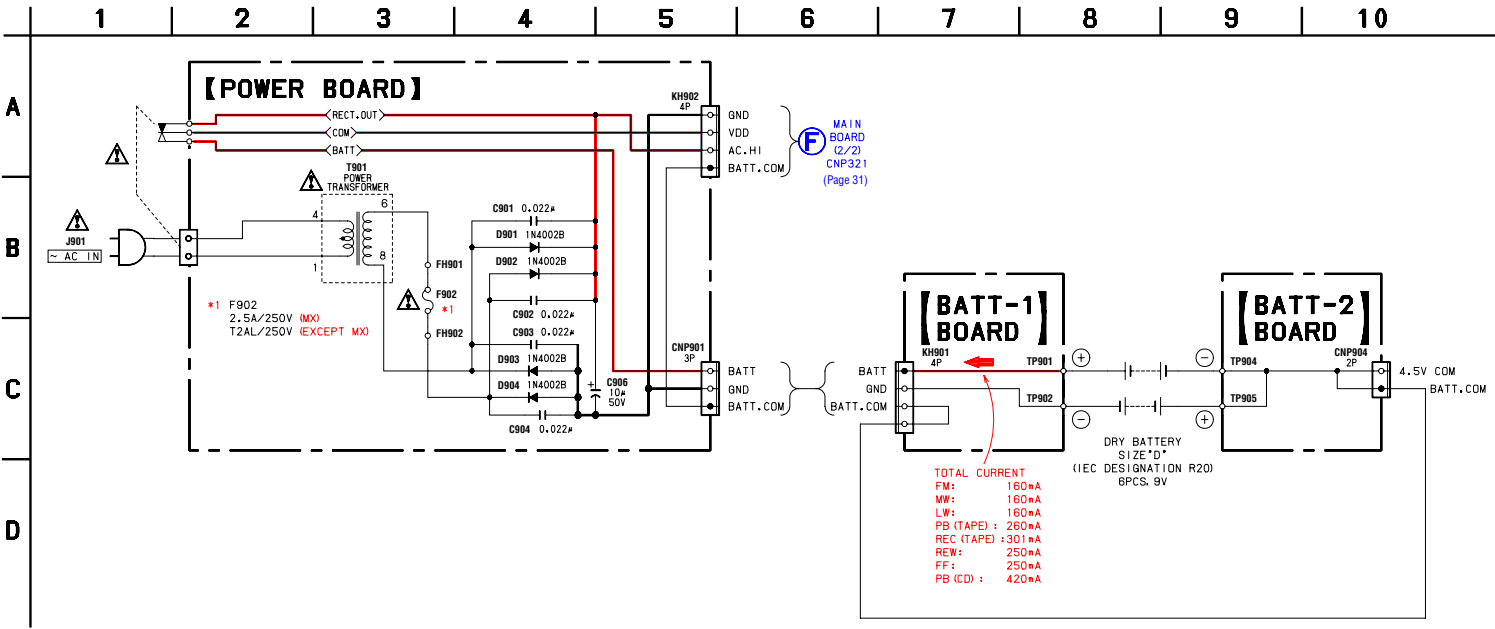






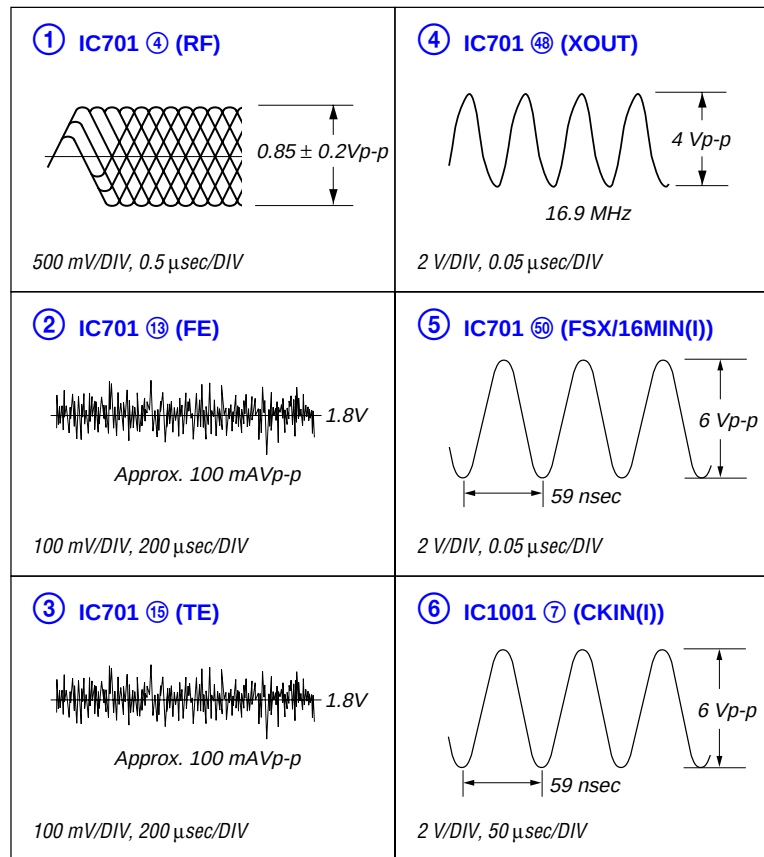
6-18. PRINTED WIRING BOARDS – POWER SECTION – • See page 23 for Circuit Boards Location.  :Uses unleaded solder.



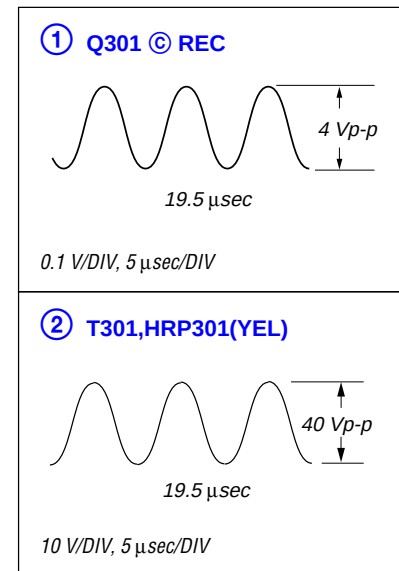


• Waveforms

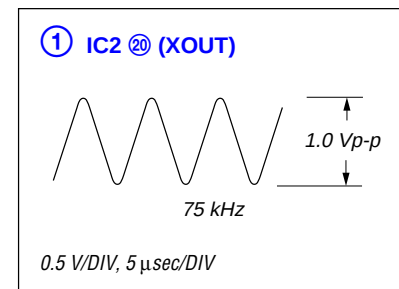
– MP3-CD Board –



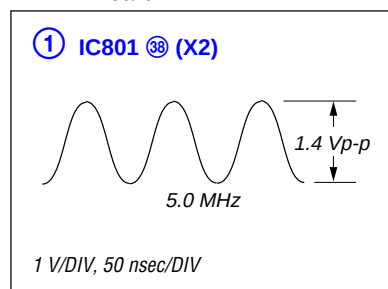
– TC Board –



– TUNER Board –



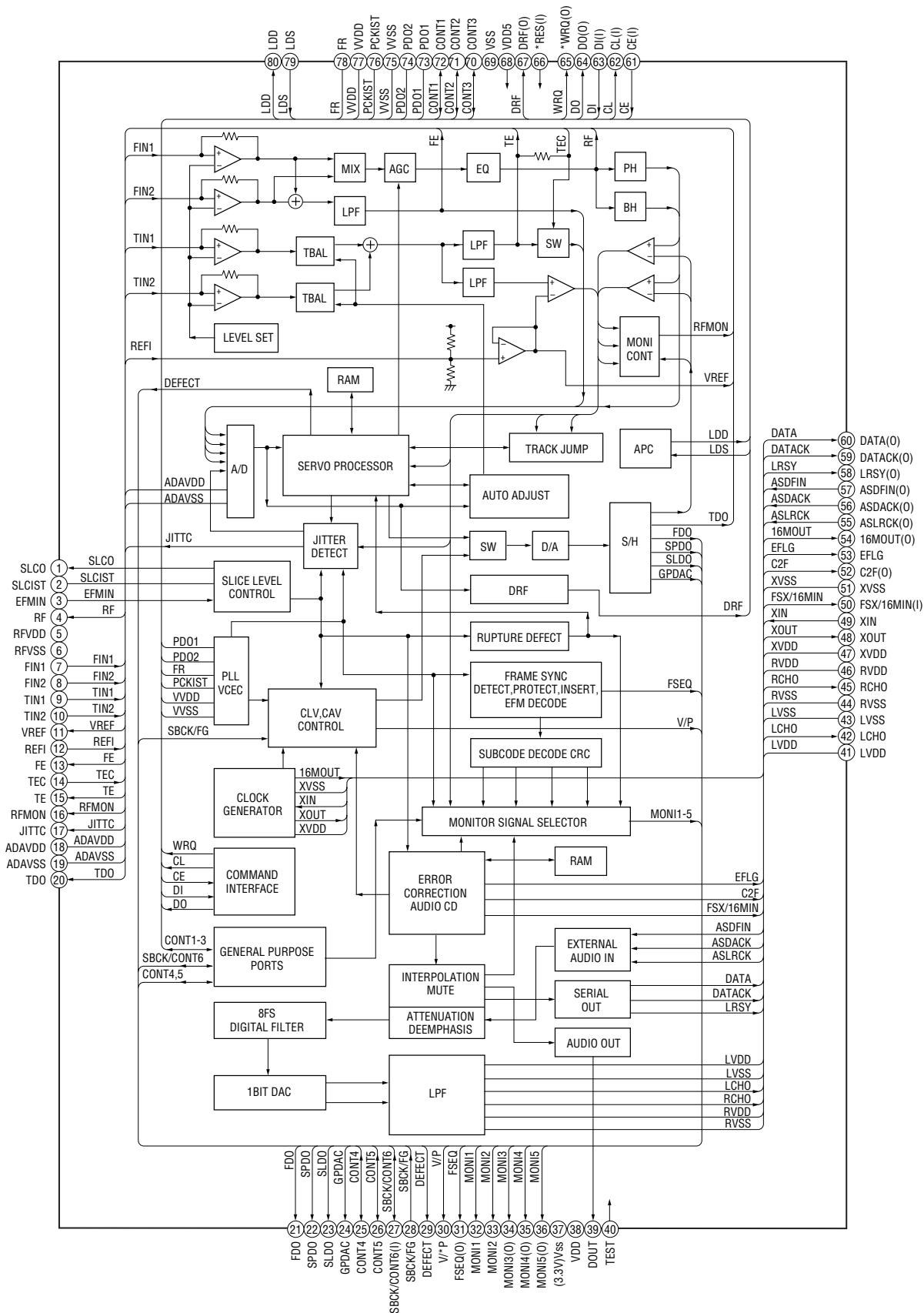
– MAIN Board –



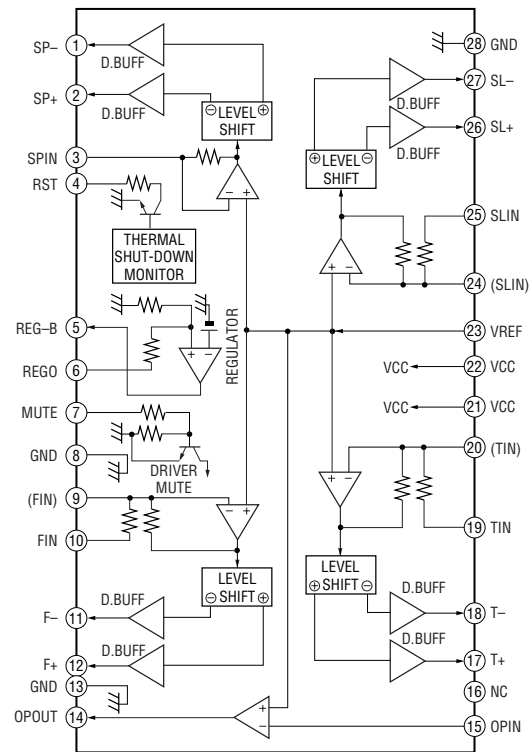
• IC Block Diagrams

– MP3-CD Board –

IC701 LC78646E-US-E

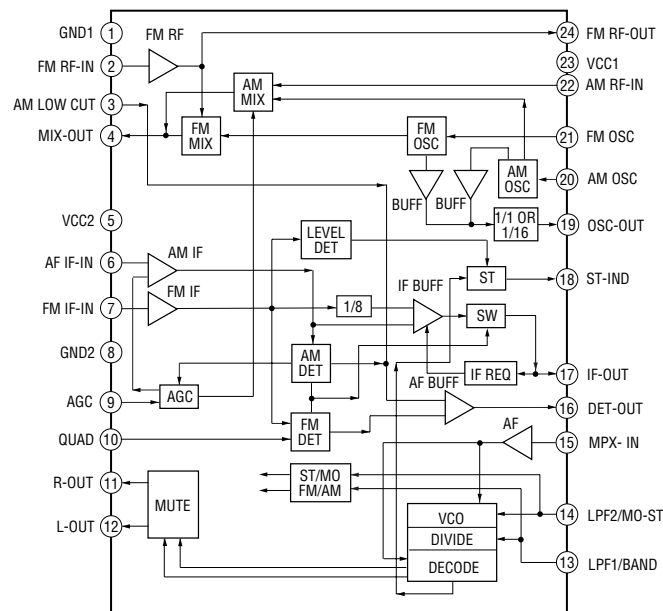


IC702 BA5826FP-E2

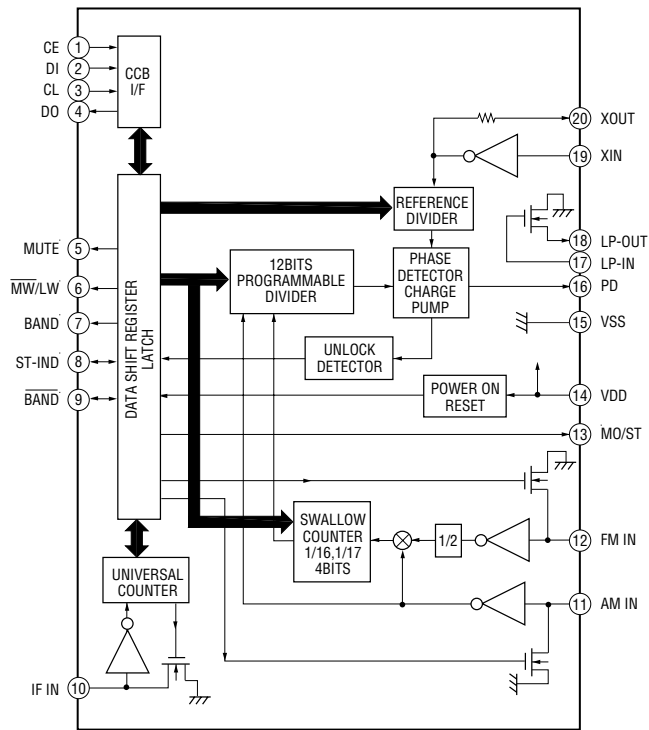


- TUNER Board -

IC1 TA2149BN

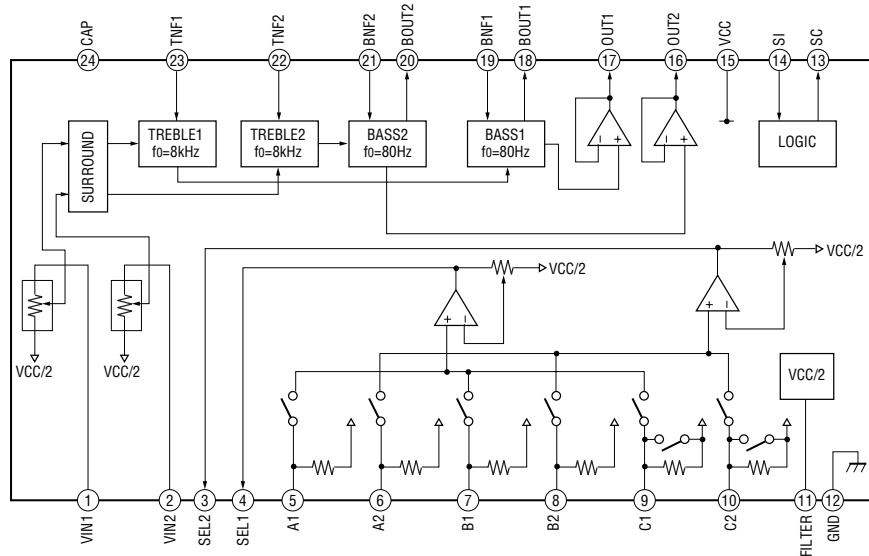


IC2 LC72137M-TLM-E



– MAIN Board –

IC302 BD3870FS-E2



• IC Pin Function Description

MAIN BOARD IC801 uPD784216AGF (SYSTEM CONTROL)

Pin No.	Pin Name	I/O	Description
1	TU-CE	O	Tuner PLL chip enable signal output
2	TU-DATA	O	Tuner PLL data signal output
3	TU-CLK	O	Tuner PLL clock signal output
4	TU-COUNT	I	Tuner PLL data signal input
5	TU-MUTE	O	IF mute signal output
6	SIMUKE1	I	Destination port input
7	SIMUKE2	I	Destination port input
8	TEST B	I	Not used. (Pull down)
9	VDD	—	Power supply
10	TEST A	I	Not used. (Pull down)
11	EPROM-SCL	O	EEPROM serial clock output
12	EPROM-SDA	I/O	EEPROM serial data input/output
13	SIMUKE3	I	Destination port input
14 to 16	NC	—	Not used. (Open)
17, 18	ISS1, ISS2	O	Tuner beat change signal output
19	TU-ON	O	Tuner power supply control signal output
20	TAPE-ON	O	Tape power supply control signal output
21	CD-ON	O	CD power supply control signal output
22	TEST/VPP	I	Not used. (Pull down))
23, 24	NC	—	Not used. (Open)
25	SLEEP-LED	O	LCD back light control signal output
26, 27	NC	—	Not used. (Open)
28	MP3-LED	O	MP3 LED control signal output
29	LCD-RST	O	LCD driver reset signal output
30	LCD- C/D	O	LCD driver command data output
31	LCD CS	O	LCD driver chip select signal output
32	LCD DATA	O	LCD driver serial data output
33	LCD CLK	O	LCD driver serial clock signal output
34	NC	—	Not used. (Open)
35	FM/AM SHIFT	O	Tuner band control signal output
36	NC	—	Not used. (Open)
37	VDD	—	Power supply
38	X2	O	Oscillation signal output (5 MHz)
39	X1	I	Oscillation signal input (5 MHz)
40	VSS	—	Ground
41	XT2	O	Not used. (Open)
42	XT1	I	Not used. (connected ground)
43	RESET	I	System reset signal input
44	AC-CHK	I	AC power supply check signal input
45	RMC IN	I	Remote control signal input
46	WAKE-UP	I	Key interrupt signal input
47	INITLI	I	Mode read signal input
48	CD-DOOR	I	CD door detection signal input
49	INTB(MP3)	I	Interrupt signal input from MP3 decoder
50	WRQ(CD)	I	CD write request data input
51	AVDD	—	Power supply
52	AVREF0	I	A/D reference voltage input

Pin No.	Pin Name	I/O	Description
53 to 55	KEY1 to KEY3	I	Function key signal input
56	MODE	O	Mode read signal output
57	NC	—	Not used. (Open)
58	REG-CHK	I	Regulator +6V voltage check input
59	VH	I	Battery voltage check signal input
60	VM	I	Battery center voltage check signal input
61	AVSS	—	Ground
62, 63	NC	—	Not used. (Open)
64	AVREF1	I	A/D reference voltage input
65 to 67	NC	—	Not used. (Open)
68	CMDOUT(MP3)	O	MP3 serial data output to MP3 decoder
69	CMDIN(MP3)	I	MP3 serial data input from MP3 decoder
70	CL(MP3)	O	MP3 serial clock output to MP3 decoder
71	NC	—	Not used. (Open)
72	DRF(CD)	I	CD DRF signal input
73	DO(CD)	I	CD serial data input
74	DI(CD)	O	CD serial data output
75	CL(CD)	O	CD serial clock output
76	CE(CD)	O	CD chip enable signal output
77	FSEQ(CD)	I	CD frame synchronizing signal detection input
78	RES(CD)	O	CD reset signal output
79	(MP3)RESB	O	MP3 reset signal output
80	(MP3)CE	O	MP3 chip enable signal output
81 to 90	NC	—	Not used. (Open)
91	A-MUTE	O	Line mute signal output
92	MEGABASS	O	MEGABASS control signal output
93	P-CON	O	Power supply control signal output
94	V-DATA	O	E-volume control data output
95	V-CLOCK	O	E-volume control data clock output
96	NC	—	Not used. (Open)
97	TAPE PLAY	I	Tape play detection signal input
98	REC-IN	I	Tape recording detect signal input
99	NC	—	Not used. (Open)
100	VSS	—	Ground

SECTION 7 EXPLODED VIEWS

NOTE:

- XX and -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.
- Abbreviation
 - CET : East European and CSI model.
 - EA : Saudi Arabia model.
 - KR : Korean model.
 - MX : Mexican model.
 - RU : Russian model.
 - SP : Singapore model.
 - TH : Thai model.
- Accessories are given in the last of electrical parts list.

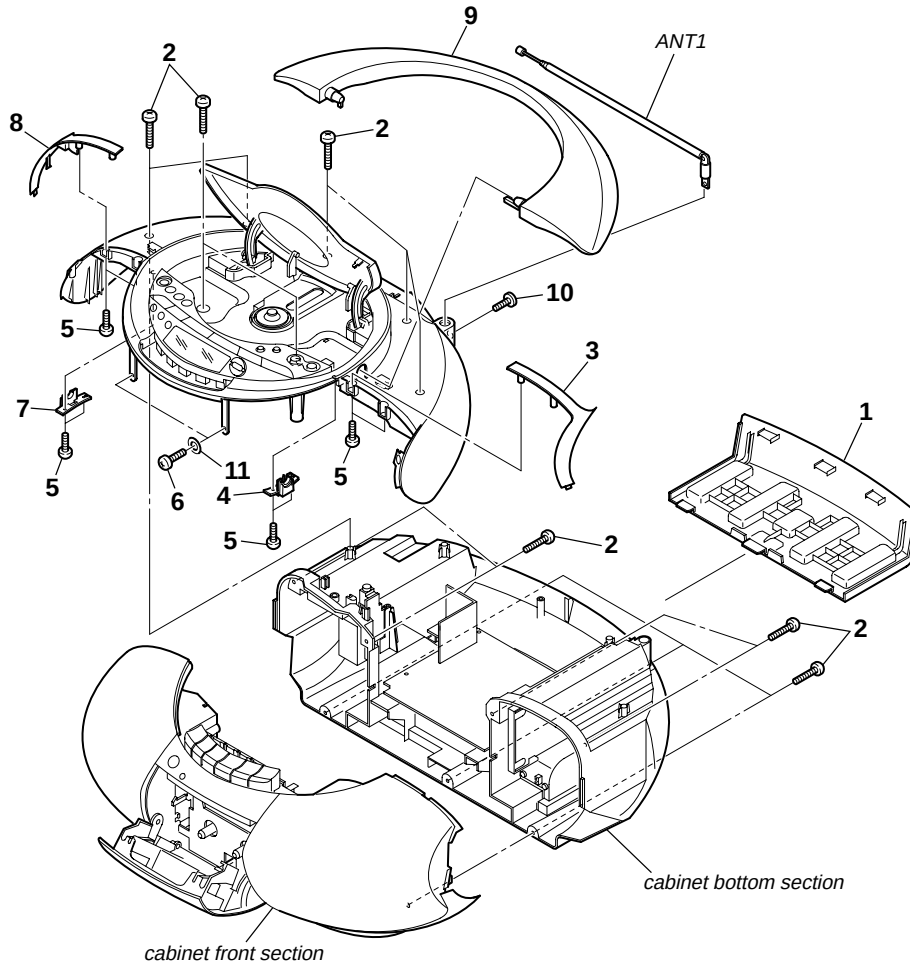
The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety. Replace only with part number specified.

- Color Indication of Appearance Parts
Example:

KNOB, BALANCE (WHITE) . . . (RED)

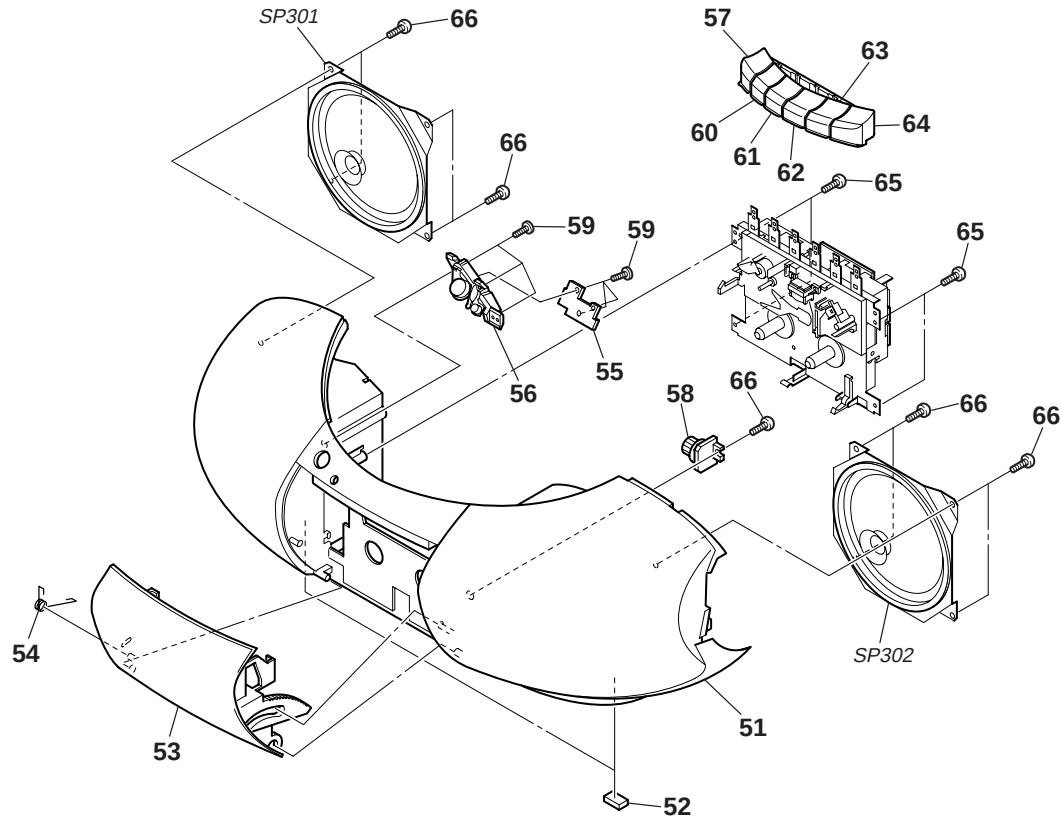
↑ ↑
Parts of Color Cabinet's Color

7-1. CABINET SECTION



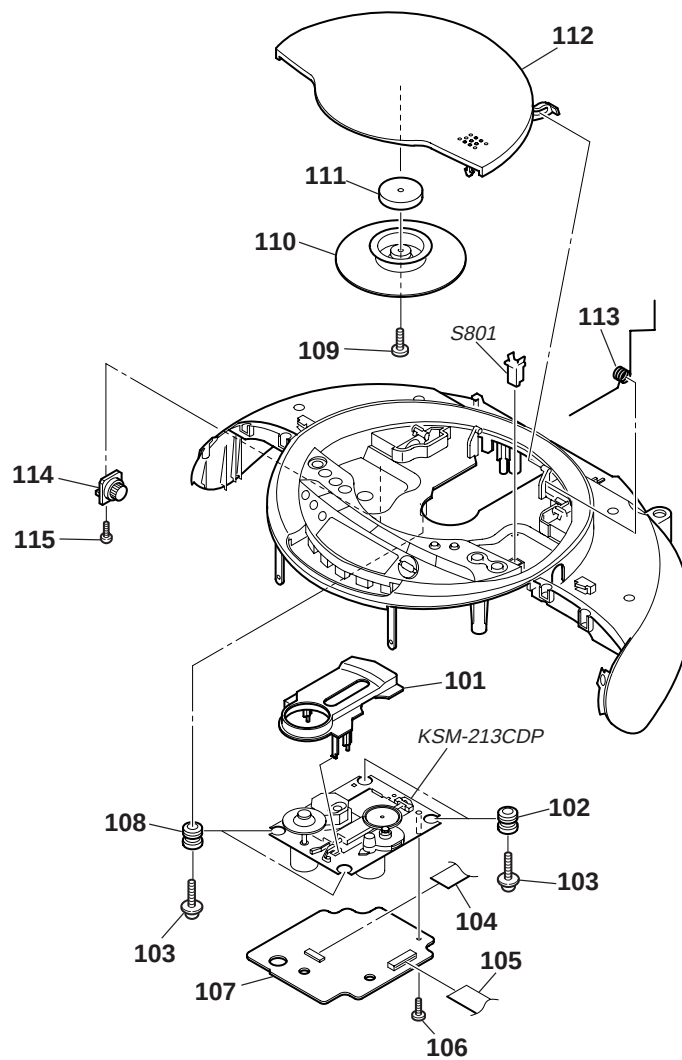
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	3-261-973-01	LID, BATTERY (SILVER)...(SILVER)		7	2-547-158-11	HOLDER (HANDLE) (L) (BLUE)...(BLUE)	
1	3-261-973-41	LID, BATTERY (BLUE)...(BLUE)		7	2-547-158-21	HOLDER (HANDLE) (L) (SILVER)...(SILVER)	
2	3-254-140-01	SCREW (B2.6), (+) BV TAPPING (for BLUE)		8	2-547-144-11	COVER (HANDLE) (L) (BLUE)...(BLUE)(CET, RU)	
2	3-254-140-11	SCREW (B2.6), (+) BV TAPPING (for SILVER)		8	2-547-144-21	COVER (HANDLE) (L) (SILVER)...(SILVER)	(EA, KR, MX, SP, TH)
3	2-547-157-11	COVER (HANDLE) (R) (BLUE)...(BLUE)		9	2-547-124-11	HANDLE (BLUE)...(BLUE)	
3	2-547-157-21	COVER (HANDLE) (R) (SILVER)...(SILVER)		9	2-547-124-21	HANDLE (SILVER)...(SILVER)	
4	2-547-159-11	HOLDER (HANDLE) (R) (BLUE)...(BLUE)		10	3-252-833-01	SCREW (M3), (+) P	
4	2-547-159-21	HOLDER (HANDLE) (R) (SILVER)...(SILVER)		11	7-688-002-11	W2.6, MIDDLE	
5	3-252-827-01	SCREW (B2.6), (+) BV TAPPING		ANT1	1-754-376-11	ANTENNA, TELESCOPIC (FM)	
6	3-254-151-01	SCREW (B2.6), (+) P TAPPING					

7-2. CABINET (FRONT) SECTION



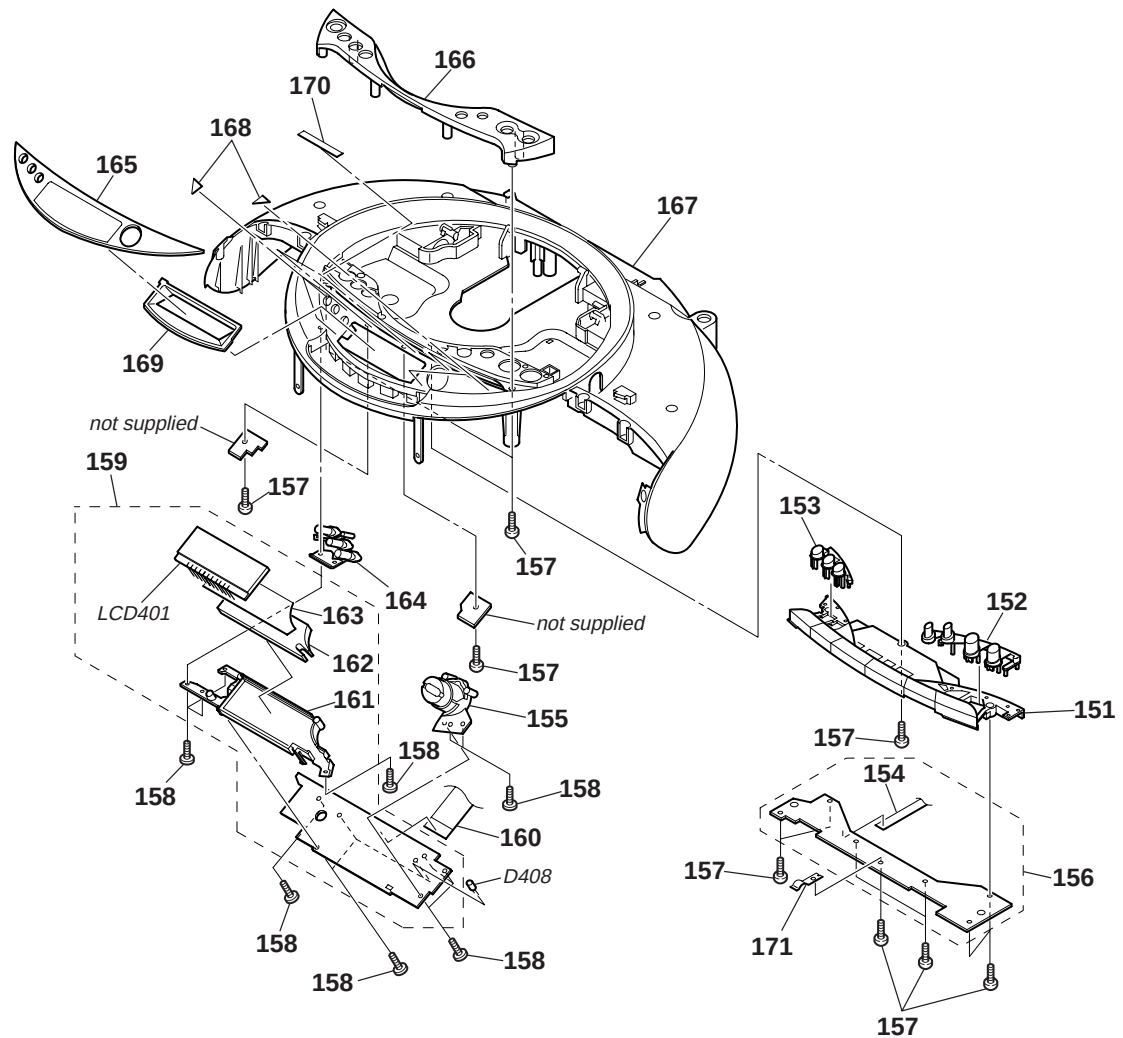
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-2050-349-1	CABINET (FRONT) SUB ASSY (SILVER)...(SILVER) (EA,KR,MX,SP,TH)		59	3-254-070-01	SCREW	
51	X-2050-352-1	CABINET (FRONT) SUB ASSY (BLUE)...(BLUE) (CET,RU)		60	2-547-136-11	BUTTON (S/E) (BLUE)...(BLUE)	
51	X-2059-483-1	CABINET (FRONT) SUB ASSY (SILVER)...(SILVER) (AEP,UK,CET,RU)		60	2-547-136-21	BUTTON (S/E) (SILVER)...(SILVER)	
52	3-040-916-01	FOOT (FRONT), RUBBER		61	2-547-139-11	BUTTON (REW) (BLUE)...(BLUE)	
53	2-547-123-11	HOLDER, CASSETTE (SILVER)...(SILVER)		61	2-547-139-21	BUTTON (REW) (SILVER)...(SILVER)	
53	2-547-123-21	HOLDER, CASSETTE (BLUE)...(BLUE)		62	2-547-138-11	BUTTON (FF) (BLUE)...(BLUE)	
54	2-547-170-01	SPRING (CASSETTE)		62	2-547-138-21	BUTTON (FF) (SILVER)...(SILVER)	
55	A-1101-717-A	POWER KEY BOARD, COMPLETE		63	2-547-141-11	BUTTON (PLAY) (BLUE)...(BLUE)	
56	2-547-134-01	BUTTON (POWER) (SILVER)...(BLUE)		63	2-547-141-21	BUTTON (PLAY) (SILVER)...(SILVER)	
56	2-547-134-21	BUTTON (POWER) (GRAY)...(SILVER)		64	2-547-142-11	BUTTON (REC) (BLUE)...(BLUE)	
57	2-547-135-11	BUTTON (PAUSE) (BLUE)...(BLUE)		64	2-547-142-21	BUTTON (REC) (SILVER)...(SILVER)	
57	2-547-135-21	BUTTON (PAUSE) (SILVER)...(SILVER)		65	3-254-151-01	SCREW (B2.6), (+) P TAPPING	
58	3-047-468-11	DAMPER		66	3-252-827-01	SCREW (B2.6), (+) BV TAPPING	
				SP301	1-825-690-11	SPEAKER (DIA. 10cm) (L-CH)	
				SP302	1-825-690-11	SPEAKER (DIA. 10cm) (R-CH)	

7-3. CABINET (TOP) (1) SECTION



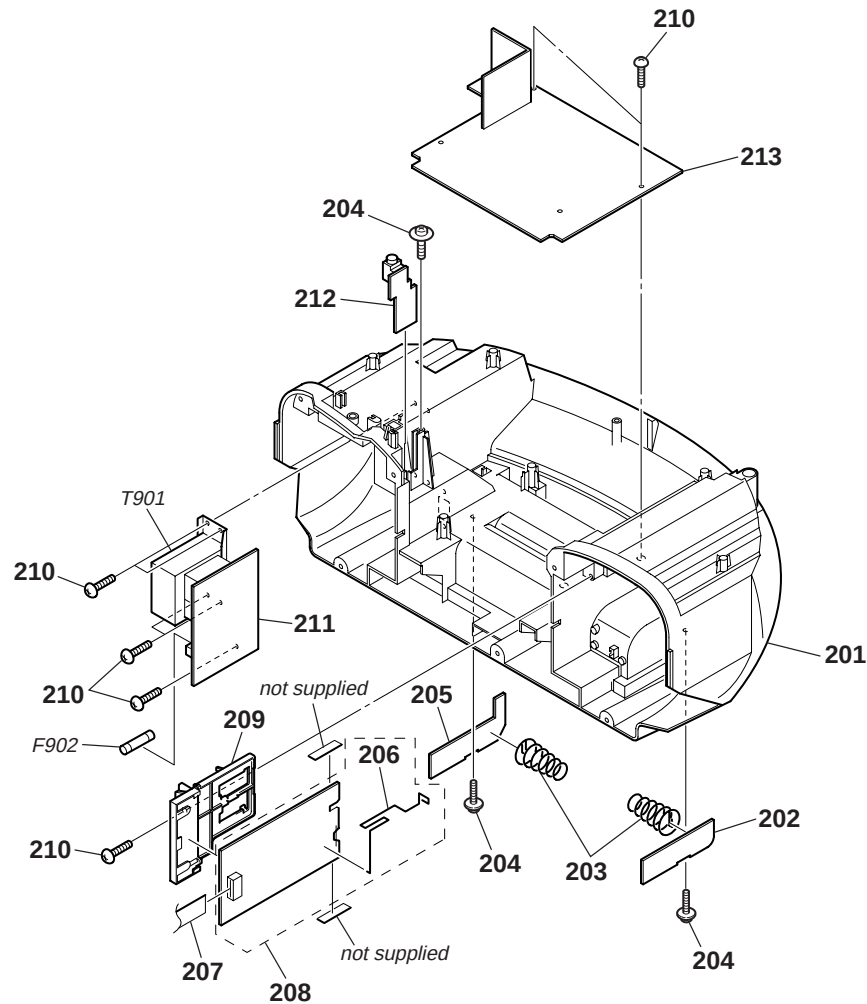
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	3-923-736-01	COVER, CD		110	3-019-395-01	PLATE, CHUCKING	
102	3-931-379-21	RUBBER, VIBRATION PROOF		111	1-452-899-11	MAGNET	
103	3-252-828-01	SCREW (B2.6), (+) PWH TAPPING		112	2-547-122-31	LID, CD (BLUE)...(BLUE)	
104	1-757-689-11	CABLE, FLEXIBLE FLAT (16 CORE)		112	2-547-122-41	LID, CD (SILVER)...(SILVER)	
105	1-830-236-11	CABLE, FLEXIBLE FLAT (20 CORE)		113	2-547-171-01	SPRING (CD)	
106	3-245-709-51	SCREW		114	3-047-468-11	DAMPER	
107	A-1068-202-A	MP3-CD BOARD, COMPLETE		115	3-254-151-01	SCREW (B2.6), (+) P TAPPING	
108	3-931-379-31	RUBBER, VIBRATION PROOF		S801	1-692-960-11	SWITCH, PUSH (1 KEY)(▲ PUSH OPEN/CLOSE)	
109	3-253-143-01	SCREW (B2.6), (+) P TAPPING					

7-4. CABINET (TOP) (2) SECTION



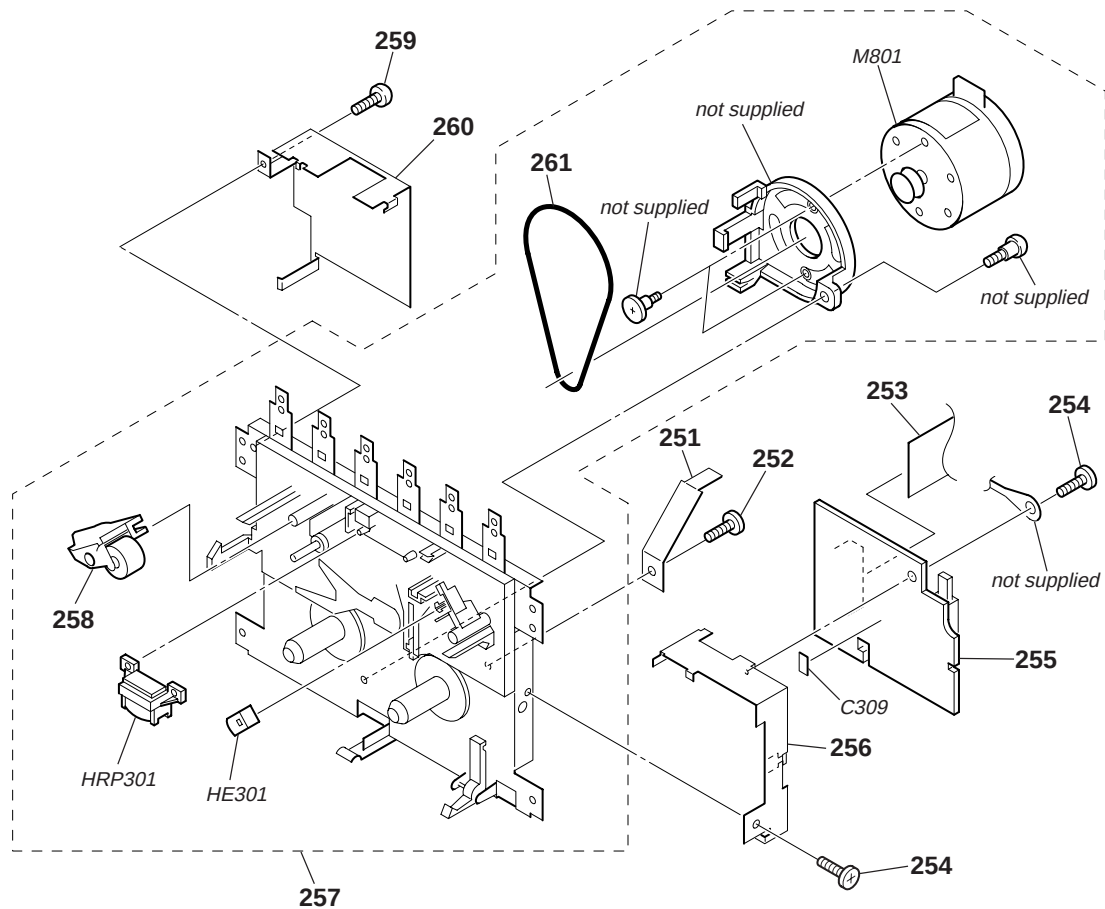
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	2-547-131-11	BUTTON (CD) (SILVER)...(BLUE)		163	2-584-370-01	SHEET, LCD	
151	2-547-131-21	BUTTON (CD) (GRAY)...(SILVER)		164	2-547-133-21	BUTTON (MODE)	
152	2-547-132-21	BUTTON (VOLUME) (SILVER)...(BLUE)		165	2-547-163-01	WINDOW (MP3), LCD	
152	2-547-132-31	BUTTON (VOLUME) (GRAY)...(SILVER)		166	2-547-130-21	COVER (TOP) (BLUE)...(BLUE)	
153	2-547-160-01	BUTTON (FUNCTION) (GRAY)...(SILVER)		166	2-547-130-31	COVER (TOP) (SILVER)...(SILVER)	
153	2-547-160-21	BUTTON (FUNCTION) (SILVER)...(BLUE)		167	2-547-113-21	CABINET (UPPER) (BLUE)...(BLUE)	
154	1-962-798-11	CABLE, FLEXIBLE FLAT (5 CORE)		167	2-547-113-31	CABINET (UPPER) (SILVER)...(SILVER)	
155	X-2050-351-1	BUTTON (FOLDER) SUB ASSY		168	2-547-172-01	TAPE (LCD) (WINDOW)	
156	A-1101-719-A	CD KEY BOARD, COMPLETE		169	2-547-165-21	ESCUTCHEON, LCD (BLUE)...(BLUE)	
157	3-254-151-01	SCREW (B2.6), (+) P TAPPING		169	2-547-165-31	ESCUTCHEON, LCD (SILVER)...(SILVER)	
158	3-254-081-01	SCREW		170	3-250-079-01	TAPE (LCD WINDOW) (B)	
159	A-1101-721-A	LCD BOARD, COMPLETE		171	2-594-014-01	PLATE, SUPPORT	
160	1-830-235-11	CABLE, FLEXIBLE FLAT (15 CORE)		D408	6-500-306-01	LED FA3864X (MP3)	
161	2-547-164-01	HOLDER (LCD)		LCD401	1-805-773-11	DISPLAY PANEL, LIQUID CRYSTAL	
162	2-547-143-01	PLATE, LIGHT GUIDE					

7-5. CABINET (REAR) SECTION



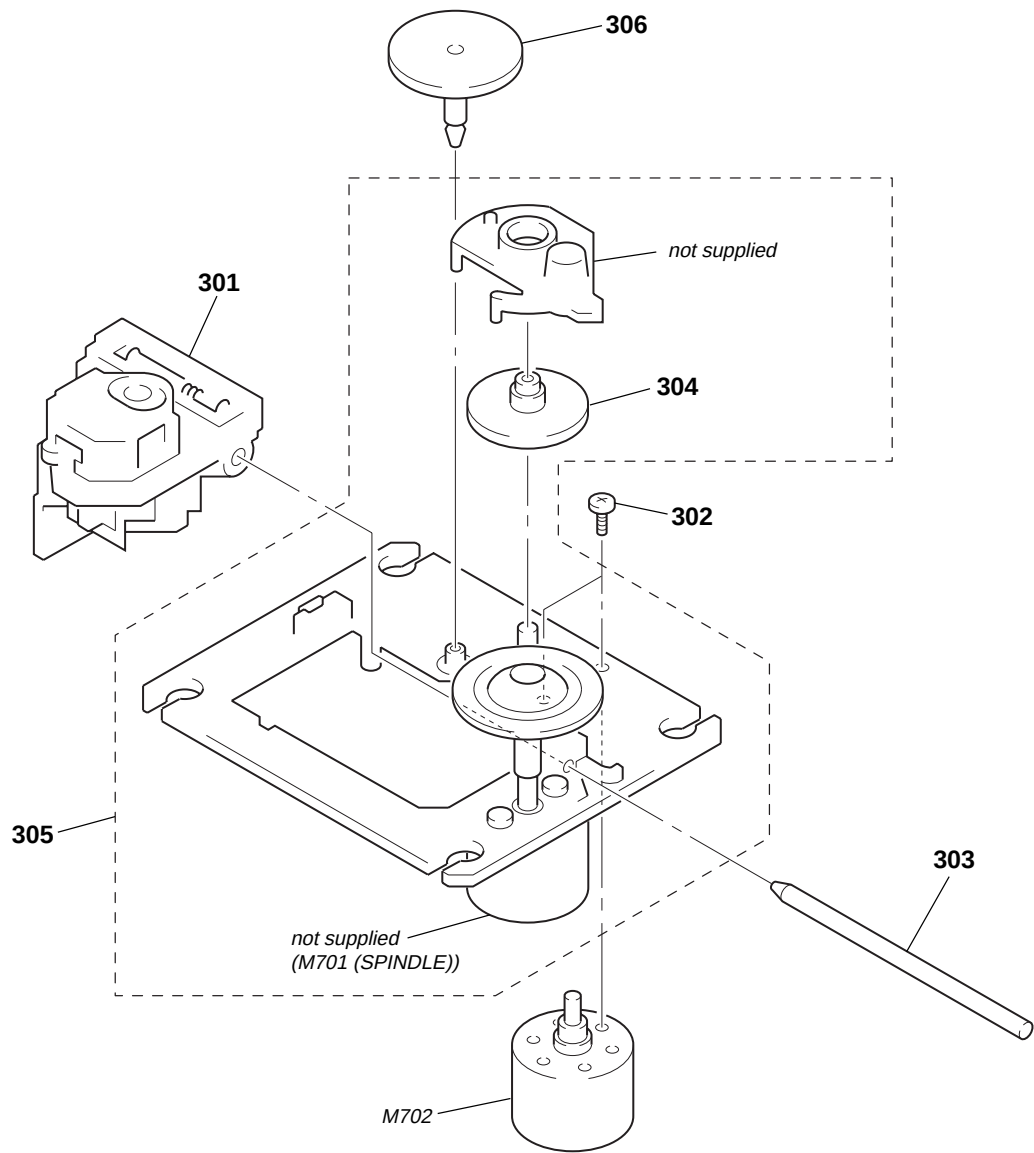
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
201	2-547-120-31	CABINET (REAR) (SILVER)...(SILVER)		210	3-252-827-01	SCREW (B2.6), (+) BV TAPPING	
201	2-547-120-41	CABINET (REAR) (BLUE)...(BLUE) (CET,RU)	(EXCEPT MX)	* 211	1-725-705-11	POWER BOARD	
201	2-547-120-51	CABINET (REAR) (SILVER)...(SILVER) (MX)		212	A-1101-706-A	HEADPHONE BOARD, COMPLETE	
* 202	1-865-646-11	BATTERY-1 BOARD		213	A-1101-707-A	MAIN BOARD, COMPLETE (MX)	
203	3-240-561-02	TERMINAL (-), BATTERY		213	A-1101-730-A	MAIN BOARD, COMPLETE (AEP,UK,CET)	
204	3-252-828-01	SCREW (B2.6), (+) PWH TAPPING		213	A-1101-739-A	MAIN BOARD, COMPLETE (EA,SP,TH)	
* 205	1-865-647-11	BATTERY-2 BOARD		213	A-1107-549-A	MAIN BOARD, COMPLETE (KR)	
206	2-547-169-01	TERMINAL, ANTENNA		213	A-1107-554-A	MAIN BOARD, COMPLETE (RU)	
207	1-962-797-11	CABLE, FLEXIBLE FLAT (11 CORE)		△ F902	1-533-468-12	FUSE, GLASS TUBE (DIA. 5) (T2AL/250V)	(EXCEPT MX)
208	A-1098-549-A	TUNER BOARD, COMPLETE (MX)		△ F902	1-533-469-12	FUSE, GLASS TUBE (DIA. 5) (2.5A/250V)(MX)	
208	A-1098-590-A	TUNER BOARD, COMPLETE (AEP,UK,CET,RU)		△ T901	1-435-917-21	TRANSFORMER, POWER (MX)	
208	A-1098-611-A	TUNER BOARD, COMPLETE (EA,KR,SP,TH)		△ T901	1-435-918-21	TRANSFORMER, POWER (EXCEPT MX)	
209	3-249-551-01	HOLDER (PWB TU)					

7-6. TAPE MECHANISM SECTION (MF-S350)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
251	3-237-718-01	LEVER, REC		259	3-253-143-01	SCREW (B2.6), (+) P TAPPING	
252	3-254-022-01	SCREW		260	2-189-331-01	CHASSIS, PROTECT	
253	1-829-058-11	CABLE, FLEXIBLE FLAT (13 CORE)		261	3-933-833-01	BELT, RF	
254	3-254-029-01	SCREW		C309	1-162-923-11	CERAMIC CHIP 47PF	5% 50V (AEP,UK,CET,RU)
255	A-1108-791-A	TC BOARD, COMPLETE		HE301	1-500-813-11	HEAD, ERASE (ERASE)	
256	3-252-614-01	CHASSIS, TC		HRP301	3-266-053-01	HEAD, RP (REC/PB)	
257	A-1105-331-A	MF-S350//C		M801	X-3385-048-1	MOTOR SUB ASSY (CAPSTAN/REEL)	
258	3-933-825-01	ARM ASSY, PINCH ROLLER					

7-7. CD MECHANISM SECTION (KSM-213CDP)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
△ 301	8-848-483-12	OPTICAL PICK-UP (KSS-213C/C2RP1)		306	2-626-907-11	GEAR (A)	
302	2-174-500-01	SCREW (2X3)		M702	X-2625-769-1	GEAR ASSY (MB) (RP), MOTOR (SLED)	
303	2-626-908-01	SHAFT, SLED					
304	2-627-003-01	GEAR (B) (RP)					
305	X-2162-709-2	CHASSIS ASSY (CDP), MOTOR (SPINDLE)	(including M701)				

SECTION 8 ELECTRICAL PARTS LIST

BATTERY-1	BATTERY-2
CD KEY	HEADPHONE

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 and -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.
- CAPACITORS
uF: μ F
- COILS
uH: μ H

- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable
- SEMICONDUCTORS
In each case, u: μ , for example:
uA. . : μ A. ., uPA. . : μ PA. .,
uPB. . : μ PB. ., uPC. . : μ PC. .,
uPD. . : μ PD. .
- Abbreviation
CET : East European and CSI model.
EA : Saudi Arabia model.
KR : Korean model.

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

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

MX : Mexican model.
RU : Russian model.
SP : Singapore model.
TH : Thai model.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
*	1-865-646-11	BATTERY-1 BOARD *****		R431	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
	3-240-561-02	TERMINAL (-), BATTERY		R432	1-216-821-11	METAL CHIP 1K 5%	1/10W
*****				R433	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
				R440	1-216-841-11	METAL CHIP 47K 5%	1/10W
				R443	1-216-845-11	METAL CHIP 100K 5%	1/10W
*	1-865-647-11	BATTERY-2 BOARD *****		< SWITCH >			
	3-240-561-02	TERMINAL (-), BATTERY		S405	1-786-050-21	SWITCH, KEYBOARD (TAPE)	
		< CONNECTOR >		S407	1-786-050-21	SWITCH, KEYBOARD (CD)	
				S408	1-786-050-21	SWITCH, KEYBOARD (RADIO•BAND•AUTO PRESET)	
CNP904	1-815-550-11	PIN, CONNECTOR (PWB) 2P		S409	1-786-050-21	SWITCH, KEYBOARD (SOUND)	
*****				S410	1-786-050-21	SWITCH, KEYBOARD (VOLUME -)	
	A-1101-719-A	CD KEY BOARD, COMPLETE *****		S411	1-786-050-21	SWITCH, KEYBOARD (MEGA BASS)	
	1-962-798-11	CABLE, FLEXIBLE FLAT (5 CORE)		S412	1-786-050-21	SWITCH, KEYBOARD (VOLUME +)	
		< CAPACITOR >		S413	1-786-050-21	SWITCH, KEYBOARD (◀◀/TUNE -)	
C401	1-115-156-11	CERAMIC CHIP 1uF 10V		S414	1-786-050-21	SWITCH, KEYBOARD (TUNE +/-▶▶)	
		< IC >		S415	1-786-050-21	SWITCH, KEYBOARD (I◀◀/PRESET -)	
IC402	6-600-108-01	IC RPM7140 (IR)		S416	1-786-050-21	SWITCH, KEYBOARD (PRESET +/-▶▶I)	
		< RESISTOR >		S417	1-786-050-21	SWITCH, KEYBOARD (▶▶II)	
				S418	1-786-050-21	SWITCH, KEYBOARD (■)	

				A-1101-706-A	HEADPHONE BOARD, COMPLETE *****		
				< CONNECTOR >			
R406	1-216-825-11	METAL CHIP 2.2K 5%	1/10W	* CNP322	1-815-552-21	PIN, CONNECTOR (PWB) 4P	
R407	1-216-829-11	METAL CHIP 4.7K 5%	1/10W	* CNP323	1-815-552-11	PIN, CONNECTOR (PWB) 4P	
R408	1-216-833-11	METAL CHIP 10K 5%	1/10W	< FERRITE BEAD >			
R413	1-216-813-11	METAL CHIP 220 5%	1/10W	FB101	1-469-701-21	FERRITE, EMI (SMD) (1608)	
R414	1-216-817-11	METAL CHIP 470 5%	1/10W	FB201	1-469-701-21	FERRITE, EMI (SMD) (1608)	
R415	1-216-821-11	METAL CHIP 1K 5%	1/10W	< JACK >			
R417	1-216-821-11	METAL CHIP 1K 5%	1/10W	J321	1-815-325-11	JACK (♂)	
R418	1-216-825-11	METAL CHIP 2.2K 5%	1/10W	< RESISTOR >			
R422	1-216-829-11	METAL CHIP 4.7K 5%	1/10W	R146	1-216-809-11	METAL CHIP 100 5%	1/10W
R423	1-216-813-11	METAL CHIP 220 5%	1/10W	R246	1-216-809-11	METAL CHIP 100 5%	1/10W
R424	1-216-817-11	METAL CHIP 470 5%	1/10W	*****			
R426	1-216-821-11	METAL CHIP 1K 5%	1/10W				
R428	1-216-821-11	METAL CHIP 1K 5%	1/10W				
R429	1-216-825-11	METAL CHIP 2.2K 5%	1/10W				
R430	1-216-821-11	METAL CHIP 1K 5%	1/10W				

CFD-S35CP

Ver. 1.1

LCD MAIN

Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark
	A-1101-721-A	LCD BOARD, COMPLETE *****							< SWITCH >				
	2-547-143-01	PLATE, LIGHT GUIDE					S403	1-786-050-21	SWITCH, KEYBOARD (DISP/ENT/MEMORY)				
	2-547-164-01	HOLDER (LCD)					S404	1-786-050-21	SWITCH, KEYBOARD (MODE)				
	2-584-370-01	SHEET, LCD					S421	1-786-050-21	SWITCH, KEYBOARD (FLDR +)				
		< CAPACITOR >					S422	1-786-050-21	SWITCH, KEYBOARD (FLDR -)				
							S423	1-786-050-21	SWITCH, KEYBOARD (REPEAT)				

C403	1-162-974-11	CERAMIC CHIP	0.01uF		50V		A-1101-707-A	MAIN BOARD, COMPLETE (MX)					
C405	1-162-974-11	CERAMIC CHIP	0.01uF		50V		A-1101-730-A	MAIN BOARD, COMPLETE (AEP,UK,CET)					
C406	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		A-1101-739-A	MAIN BOARD, COMPLETE (EA,SP,TH)					
C407	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		A-1107-549-A	MAIN BOARD, COMPLETE (KR)					
C408	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		A-1107-554-A	MAIN BOARD, COMPLETE (RU)					

C409	1-162-962-11	CERAMIC CHIP	470PF	10%	50V								
C410	1-162-962-11	CERAMIC CHIP	470PF	10%	50V		3-254-151-01	SCREW (B2.6), (+) P TAPPING					
C413	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V				< CAPACITOR >				
		< CONNECTOR >					C106	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
CNP401	1-770-514-31	CONNECTOR, FFC/FPC 5P					C107	1-126-960-11	ELECT	1uF	20%	50V	
		< DIODE >					C108	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
D405	8-719-059-97	LED L-34HD (OPR/BATT)					C109	1-126-947-11	ELECT	47uF	20%	35V	
D407	6-500-076-01	LED SLI-343YC (BACK LIGHT)					C110	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
		< IC >					C111	1-104-658-11	ELECT	100uF	20%	10V	
							C112	1-126-926-11	ELECT	1000uF	20%	10V	
IC401	8-759-153-90	IC uPD7225GB-3B7					C115	1-126-963-11	ELECT	4.7uF	20%	50V	
							C122	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
		< JUMPER RESISTOR >					C125	1-126-960-11	ELECT	1uF	20%	50V	
JC401	1-216-864-11	SHORT CHIP 0					C127	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V	
		< COIL >					C129	1-162-995-11	CERAMIC CHIP	0.022uF		50V	
							C135	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
L401	1-410-509-11	INDUCTOR 10uH					C139	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
L402	1-414-142-61	INDUCTOR, MICRO 1uH					C146	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
		< LIQUID CRYSTAL DISPLAY >					C147	1-126-963-11	ELECT	4.7uF	20%	50V	
LCD401	1-805-773-11	DISPLAY PANEL, LIQUID CRYSTAL					C148	1-115-156-11	CERAMIC CHIP	1uF		10V	
		< RESISTOR >					C206	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
R403	1-216-821-11	METAL CHIP	1K	5%	1/10W		C207	1-126-960-11	ELECT	1uF	20%	50V	
R404	1-216-821-11	METAL CHIP	1K	5%	1/10W		C208	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
R405	1-216-825-11	METAL CHIP	2.2K	5%	1/10W		C209	1-126-947-11	ELECT	47uF	20%	35V	
R409	1-216-821-11	METAL CHIP	1K	5%	1/10W		C210	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
R410	1-216-825-11	METAL CHIP	2.2K	5%	1/10W		C211	1-104-658-11	ELECT	100uF	20%	10V	
R411	1-216-833-11	METAL CHIP	10K	5%	1/10W		C212	1-126-926-11	ELECT	1000uF	20%	10V	
R412	1-216-833-11	METAL CHIP	10K	5%	1/10W		C215	1-126-963-11	ELECT	4.7uF	20%	50V	
R416	1-216-837-11	METAL CHIP	22K	5%	1/10W		C222	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
R420	1-216-845-11	METAL CHIP	100K	5%	1/10W		C225	1-126-960-11	ELECT	1uF	20%	50V	
R421	1-216-825-11	METAL CHIP	2.2K	5%	1/10W		C227	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V	
R427	1-216-833-11	METAL CHIP	10K	5%	1/10W		C229	1-162-995-11	CERAMIC CHIP	0.022uF		50V	
R438	1-216-833-11	METAL CHIP	10K	5%	1/10W		C235	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
R439	1-216-833-11	METAL CHIP	10K	5%	1/10W		C239	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
R442	1-216-841-11	METAL CHIP	47K	5%	1/10W		C246	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
R444	1-216-825-11	METAL CHIP	2.2K	5%	1/10W		C247	1-126-963-11	ELECT	4.7uF	20%	50V	
R445	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		C248	1-115-156-11	CERAMIC CHIP	1uF		10V	
R450	1-216-813-11	METAL CHIP	220	5%	1/10W		C320	1-162-962-11	CERAMIC CHIP	470PF	10%	50V	
R451	1-216-813-11	METAL CHIP	220	5%	1/10W		C321	1-126-926-11	ELECT	1000uF	20%	10V	
R452	1-216-821-11	METAL CHIP	1K	5%	1/10W		C322	1-126-947-11	ELECT	47uF	20%	35V	
R453	1-216-809-11	METAL CHIP	100	5%	1/10W		C323	1-126-964-11	ELECT	10uF	20%	50V	
							C324	1-162-974-11	CERAMIC CHIP	0.01uF		50V	
							C325	1-126-937-11	ELECT	4700uF	20%	16V	
							C326	1-126-923-11	ELECT	220uF	20%	10V	
							C327	1-126-947-11	ELECT	47uF	20%	35V	

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
C328	1-126-959-11	ELECT	0.47uF	20%	50V	C858	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C329	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C859	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C330	1-126-941-11	ELECT	470uF	20%	25V	C860	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C331	1-216-923-91	ELECT	220uF	20%	10V	C861	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C332	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C862	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C333	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C863	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C334	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C864	1-115-156-11	CERAMIC CHIP	1uF		10V
C335	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C871	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C350	1-162-962-11	CERAMIC CHIP	470PF	10%	50V	C881	1-126-963-11	ELECT	4.7uF	20%	50V
C351	1-162-962-11	CERAMIC CHIP	470PF	10%	50V	C882	1-126-963-11	ELECT	4.7uF	20%	50V
C352	1-162-962-11	CERAMIC CHIP	470PF	10%	50V	C951	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C353	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C952	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C354	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C953	1-126-925-11	ELECT	470uF	20%	10V
C801	1-126-947-11	ELECT	47uF	20%	35V	C957	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C803	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C959	1-126-923-11	ELECT	220uF	20%	10V
C804	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C960	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C810	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	< CONNECTOR >					
C811	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	CNP302	1-815-445-11	PIN, CONNECTOR (PWB) 4P			
C812	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	CNP321	1-815-445-11	PIN, CONNECTOR (PWB) 4P			
C813	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V	CNP801	1-815-444-11	PIN, CONNECTOR (PWB) 3P			
C814	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V	CNP802	1-784-776-11	CONNECTOR, FFC 15P			
C815	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V	CNP803	1-691-043-21	HOUSING, CONNECTOR 11P			
C818	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V	CNP804	1-784-781-11	CONNECTOR, FFC 20P			
C819	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V	CNP805	1-784-774-11	CONNECTOR, FFC 13P			
C820	1-162-908-11	CERAMIC CHIP	3PF	0.25PF	50V	< DIODE >					
C821	1-162-908-11	CERAMIC CHIP	3PF	0.25PF	50V	D322	8-719-988-61	DIODE 1SS355TE-17			
C822	1-162-962-11	CERAMIC CHIP	470PF	10%	50V	D323	8-719-988-61	DIODE 1SS355TE-17			
C823	1-126-964-11	ELECT	10uF	20%	50V	D324	8-719-988-61	DIODE 1SS355TE-17			
C824	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	D801	8-719-941-86	DIODE DAN202U			
C825	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	D803	8-719-069-54	DIODE UDZSTE-175.1B			
C826	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	D804	8-719-941-09	DIODE DAP202U			
C827	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	D805	8-719-988-61	DIODE 1SS355TE-17			
C828	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	D809	8-719-988-61	DIODE 1SS355TE-17			
C829	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	D951	8-719-941-09	DIODE DAP202U			
C830	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	D953	8-719-978-33	DIODE DTZ-TT11-6.8B			
C831	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	D957	8-719-083-58	DIODE UDZSTE-173.9B			
C832	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	D958	8-719-988-61	DIODE 1SS355TE-17			
C834	1-162-974-11	CERAMIC CHIP	0.01uF		50V	< FERRITE BEAD >					
C835	1-162-974-11	CERAMIC CHIP	0.01uF		50V	FB845	1-469-701-21	FERRITE, EMI (SMD) (1608)			
C836	1-162-974-11	CERAMIC CHIP	0.01uF		50V	FB854	1-469-701-21	FERRITE, EMI (SMD) (1608)			
C837	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	FB855	1-469-701-21	FERRITE, EMI (SMD) (1608)			
C838	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	FB856	1-469-701-21	FERRITE, EMI (SMD) (1608)			
C839	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	FB861	1-469-701-21	FERRITE, EMI (SMD) (1608)			
C840	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	FB862	1-469-701-21	FERRITE, EMI (SMD) (1608)			
C841	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	< IC >					
C842	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	IC302	6-701-824-11	IC BD3870FS-E2			
C843	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	IC304	8-759-426-51	IC BA5417			
C845	1-104-658-11	ELECT	100uF	20%	10V	IC801	6-805-405-01	IC uPD784216AGF-555-3BA-A (EXCEPT RU)			
C846	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	IC801	6-805-406-01	IC uPD784216AGF-556-3BA-A (RU)			
C847	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	IC802	6-700-336-01	IC CAT24WC02WI-1.8-TE13			
C850	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	IC803	6-703-285-01	IC S-812C33AUA-C2NT2G			
C851	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	IC804	6-705-413-01	IC BD4826G-TR			
C852	1-162-927-11	CERAMIC CHIP	100PF	5%	50V						
C853	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V						
C855	1-126-964-11	ELECT	10uF	20%	50V						
C856	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V						
C857	1-162-927-11	CERAMIC CHIP	100PF	5%	50V						

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
< JUMPER RESISTOR >						R234	1-216-817-11	METAL CHIP	470	5%	1/10W
JC303	1-216-864-11	SHORT CHIP	0 (AEP,UK,CET,KR,RU)			R235	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
JC304	1-216-864-11	SHORT CHIP	0 (EA,MX,SP,TH)			R236	1-216-821-11	METAL CHIP	1K	5%	1/10W
JC305	1-216-864-11	SHORT CHIP	0 (EA,KR,RU,SP,TH)			R237	1-216-864-11	SHORT CHIP	0		
JC306	1-216-864-11	SHORT CHIP	0 (AEP,UK,CET,MX)			R238	1-216-817-11	METAL CHIP	470	5%	1/10W
JC309	1-216-864-11	SHORT CHIP	0 (AEP,UK,CET,KR,MX)			R239	1-216-833-11	METAL CHIP	10K	5%	1/10W
JC310	1-216-864-11	SHORT CHIP	0 (EA,RU,SP,TH)			R240	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
JC814	1-216-864-11	SHORT CHIP	0			R241	1-216-813-11	METAL CHIP	220	5%	1/10W
						R243	1-216-789-11	METAL CHIP	2.2	5%	1/10W
						R245	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
< COIL >						R323	1-216-857-11	METAL CHIP	1M	5%	1/10W
L803	1-410-509-11	INDUCTOR	10uH			R324	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
L804	1-414-142-61	INDUCTOR	1uH			R325	1-216-821-11	METAL CHIP	1K	5%	1/10W
< TRANSISTOR >						R326	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R331	1-216-821-11	METAL CHIP	1K	5%	1/10W
Q122	8-729-905-40	TRANSISTOR	2SC4081T106			R332	1-216-821-11	METAL CHIP	1K	5%	1/10W
Q124	8-729-047-12	TRANSISTOR	DTC314TU-T106			R333	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q222	8-729-905-40	TRANSISTOR	2SC4081T106			R334	1-216-809-11	METAL CHIP	100	5%	1/10W
Q224	8-729-047-12	TRANSISTOR	DTC314TU-T106			R335	1-216-809-11	METAL CHIP	100	5%	1/10W
Q801	8-729-028-76	TRANSISTOR	DTA114YUA-T106			R801	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
Q802	8-729-028-76	TRANSISTOR	DTA114YUA-T106			R802	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
Q803	8-729-028-99	TRANSISTOR	DTC114YUA-T106			R803	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
Q804	8-729-028-77	TRANSISTOR	DTA115EUA-T106			R804	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
Q806	8-729-922-10	TRANSISTOR	2SA1577-QR			R805	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
Q807	8-729-029-00	TRANSISTOR	DTC115EUA-T106			R806	1-216-821-11	METAL CHIP	1K	5%	1/10W
Q808	8-729-905-40	TRANSISTOR	2SC4081T106			R807	1-216-821-11	METAL CHIP	1K	5%	1/10W
Q809	8-729-028-99	TRANSISTOR	DTC114YUA-T106			R808	1-216-821-11	METAL CHIP	1K	5%	1/10W
Q810	8-729-028-90	TRANSISTOR	DTA143ZUA-T106			R809	1-216-821-11	METAL CHIP	1K	5%	1/10W
Q811	8-729-028-99	TRANSISTOR	DTC114YUA-T106			R810	1-216-821-11	METAL CHIP	1K	5%	1/10W
Q812	8-729-905-40	TRANSISTOR	2SC4081T106			R811	1-216-821-11	METAL CHIP	1K	5%	1/10W
Q813	8-729-905-40	TRANSISTOR	2SC4081T106			R812	1-216-821-11	METAL CHIP	1K	5%	1/10W
Q814	8-729-028-92	TRANSISTOR	DTA144TUA-T106			R813	1-216-821-11	METAL CHIP	1K	5%	1/10W
Q815	8-729-029-00	TRANSISTOR	DTC115EUA-T106			R814	1-216-821-11	METAL CHIP	1K	5%	1/10W
Q951	8-729-029-13	TRANSISTOR	DTC143ZUA-T106			R815	1-216-821-11	METAL CHIP	1K	5%	1/10W
Q952	8-729-040-76	TRANSISTOR	KTA1273-Y-AT			R816	1-216-821-11	METAL CHIP	1K	5%	1/10W
Q953	8-729-905-40	TRANSISTOR	2SC4081T106			R817	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
Q955	8-729-018-99	TRANSISTOR	2SD2394-F			R818	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
Q957	8-729-036-86	TRANSISTOR	KTC3203Y-AT			R819	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
< RESISTOR >						R820	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
						R821	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R101	1-216-821-11	METAL CHIP	1K	5%	1/10W	R822	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R129	1-216-817-11	METAL CHIP	470	5%	1/10W	R823	1-216-821-11	METAL CHIP	1K	5%	1/10W
R132	1-216-853-11	METAL CHIP	470K	5%	1/10W	R824	1-216-821-11	METAL CHIP	1K	5%	1/10W
R133	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R825	1-216-833-11	METAL CHIP	10K	5%	1/10W
R134	1-216-817-11	METAL CHIP	470	5%	1/10W	R826	1-216-817-11	METAL CHIP	470	5%	1/10W
R135	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R827	1-216-821-11	METAL CHIP	1K	5%	1/10W
R136	1-216-821-11	METAL CHIP	1K	5%	1/10W	R828	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R137	1-216-864-11	SHORT CHIP	0			R829	1-216-853-11	METAL CHIP	470K	5%	1/10W
R138	1-216-817-11	METAL CHIP	470	5%	1/10W	R830	1-216-821-11	METAL CHIP	1K	5%	1/10W
R139	1-216-833-11	METAL CHIP	10K	5%	1/10W	R831	1-216-821-11	METAL CHIP	1K	5%	1/10W
R140	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R832	1-216-833-11	METAL CHIP	10K	5%	1/10W
R141	1-216-813-11	METAL CHIP	220	5%	1/10W	R833	1-216-841-11	METAL CHIP	47K	5%	1/10W
R143	1-216-789-11	METAL CHIP	2.2	5%	1/10W	R834	1-216-821-11	METAL CHIP	1K	5%	1/10W
R145	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R835	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R201	1-216-821-11	METAL CHIP	1K	5%	1/10W	R836	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R229	1-216-817-11	METAL CHIP	470	5%	1/10W	R837	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R232	1-216-853-11	METAL CHIP	470K	5%	1/10W	R838	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R233	1-216-829-11	METAL CHIP	4.7K	5%	1/10W						

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R840	1-216-817-11	METAL CHIP	470	5%	1/10W	R958	1-216-813-11	METAL CHIP	220	5%	1/10W
R841	1-216-821-11	METAL CHIP	1K	5%	1/10W	R959	1-216-809-11	METAL CHIP	100	5%	1/10W
R842	1-216-821-11	METAL CHIP	1K	5%	1/10W	R960	1-216-821-11	METAL CHIP	1K	5%	1/10W
R843	1-216-821-11	METAL CHIP	1K	5%	1/10W	R961	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R844	1-216-817-11	METAL CHIP	470	5%	1/10W	R962	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R846	1-216-833-11	METAL CHIP	10K	5%	1/10W	R963	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R847	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R964	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R848	1-216-829-11	METAL CHIP	4.7K	5%	1/10W						
R849	1-216-829-11	METAL CHIP	4.7K	5%	1/10W			< VIBRATOR >			
R850	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R851	1-216-833-11	METAL CHIP	10K	5%	1/10W	X801	1-795-526-12	VIBRATOR, CERAMIC (5MHz)			
R852	1-216-809-11	METAL CHIP	100	5%	1/10W	*****					
R853	1-216-809-11	METAL CHIP	100	5%	1/10W		A-1068-202-A	MP3-CD BOARD, COMPLETE			
R855	1-216-817-11	METAL CHIP	470	5%	1/10W			*****			
R857	1-216-821-11	METAL CHIP	1K	5%	1/10W						
								< CAPACITOR >			
R858	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R859	1-216-821-11	METAL CHIP	1K	5%	1/10W	C701	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R860	1-216-821-11	METAL CHIP	1K	5%	1/10W	C702	1-104-658-11	ELECT	100uF	20%	10V
R865	1-216-845-11	METAL CHIP	100K	5%	1/10W	C703	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R866	1-216-817-11	METAL CHIP	470	5%	1/10W	C704	1-126-947-11	ELECT	47uF	20%	35V
						C705	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
R868	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R869	1-216-821-11	METAL CHIP	1K	5%	1/10W	C706	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R870	1-216-821-11	METAL CHIP	1K	5%	1/10W	C707	1-104-658-11	ELECT	100uF	20%	10V
R871	1-216-817-11	METAL CHIP	470	5%	1/10W	C708	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R872	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	C709	1-104-658-11	ELECT	100uF	20%	10V
						C710	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
R873	1-216-817-11	METAL CHIP	470	5%	1/10W						
R874	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	C711	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R875	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	C712	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
R876	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	C713	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
R877	1-216-833-11	METAL CHIP	10K	5%	1/10W	C714	1-164-156-11	CERAMIC CHIP	0.1uF		25V
						C715	1-126-960-11	ELECT	1uF	20%	50V
R878	1-216-897-11	METAL CHIP	10	5%	1/10W						
R879	1-216-845-11	METAL CHIP	100K	5%	1/10W	C716	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
R880	1-216-849-11	METAL CHIP	220K	5%	1/10W	C717	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
R881	1-216-845-11	METAL CHIP	100K	5%	1/10W	C718	1-115-156-11	CERAMIC CHIP	1uF		10V
R882	1-216-845-11	METAL CHIP	100K	5%	1/10W	C719	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
						C720	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
R883	1-216-845-11	METAL CHIP	100K	5%	1/10W						
R884	1-216-817-11	METAL CHIP	470	5%	1/10W	C721	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R885	1-216-817-11	METAL CHIP	470	5%	1/10W	C722	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R886	1-216-817-11	METAL CHIP	470	5%	1/10W	C723	1-104-658-11	ELECT	100uF	20%	10V
R887	1-216-841-11	METAL CHIP	47K	5%	1/10W	C729	1-126-916-11	ELECT	1000uF	20%	6.3V
						C730	1-126-925-11	ELECT	470uF	20%	10V
R889	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R890	1-216-841-11	METAL CHIP	47K	5%	1/10W	C731	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
R891	1-216-833-11	METAL CHIP	10K	5%	1/10W	C732	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
R892	1-216-833-11	METAL CHIP	10K	5%	1/10W	C733	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
R893	1-216-845-11	METAL CHIP	100K	5%	1/10W	C734	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
						C737	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
R894	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R895	1-216-853-11	METAL CHIP	470K	5%	1/10W	C740	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R896	1-216-841-11	METAL CHIP	47K	5%	1/10W	C741	1-115-156-11	CERAMIC CHIP	1uF		10V
R898	1-216-809-11	METAL CHIP	100	5%	1/10W	C742	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R899	1-216-809-11	METAL CHIP	100	5%	1/10W	C743	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
						C744	1-115-156-11	CERAMIC CHIP	1uF		10V
R900	1-216-825-11	METAL CHIP	2.2K	5%	1/10W						
R951	1-216-841-11	METAL CHIP	47K	5%	1/10W	C745	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
R952	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	C746	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R953	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	C747	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R954	1-216-821-11	METAL CHIP	1K	5%	1/10W	C748	1-126-925-11	ELECT	470uF	20%	10V
						C750	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
R955	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R956	1-216-833-11	METAL CHIP	10K	5%	1/10W	C751	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
R957	1-216-833-11	METAL CHIP	10K	5%	1/10W	C753	1-162-923-11	CERAMIC CHIP	47PF	5%	50V

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C754	1-162-923-11	CERAMIC CHIP 47PF 5%	50V	< TRANSISTOR >			
C756	1-162-923-11	CERAMIC CHIP 47PF 5%	50V	Q701	8-729-054-57	TRANSISTOR KTN2907AS-RTK	
C760	1-162-923-11	CERAMIC CHIP 47PF 5%	50V			< RESISTOR >	
C761	1-162-923-11	CERAMIC CHIP 47PF 5%	50V				
C762	1-162-923-11	CERAMIC CHIP 47PF 5%	50V				
C763	1-162-923-11	CERAMIC CHIP 47PF 5%	50V	R701	1-216-841-11	METAL CHIP 47K 5%	1/10W
C764	1-162-923-11	CERAMIC CHIP 47PF 5%	50V	R702	1-216-833-11	METAL CHIP 10K 5%	1/10W
C766	1-162-923-11	CERAMIC CHIP 47PF 5%	50V	R703	1-216-833-11	METAL CHIP 10K 5%	1/10W
C767	1-162-919-11	CERAMIC CHIP 22PF 5%	50V	R704	1-216-833-11	METAL CHIP 10K 5%	1/10W
C1001	1-162-923-11	CERAMIC CHIP 47PF 5%	50V	R705	1-216-833-11	METAL CHIP 10K 5%	1/10W
C1010	1-164-156-11	CERAMIC CHIP 0.1uF	25V	R706	1-216-841-11	METAL CHIP 47K 5%	1/10W
C1011	1-164-156-11	CERAMIC CHIP 0.1uF	25V	R707	1-216-797-11	METAL CHIP 10 5%	1/10W
C1012	1-115-156-11	CERAMIC CHIP 1uF	10V	R708	1-216-833-11	METAL CHIP 10K 5%	1/10W
C1013	1-164-156-11	CERAMIC CHIP 0.1uF	25V	R709	1-216-837-11	METAL CHIP 22K 5%	1/10W
C1014	1-104-658-11	ELECT 100uF 20%	10V	R710	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
C1029	1-126-916-11	ELECT 1000uF 20%	6.3V	R711	1-216-813-11	METAL CHIP 220 5%	1/10W
C1030	1-164-156-11	CERAMIC CHIP 0.1uF	25V	R712	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
C1031	1-164-156-11	CERAMIC CHIP 0.1uF	25V	R713	1-216-821-11	METAL CHIP 1K 5%	1/10W
C1037	1-164-156-11	CERAMIC CHIP 0.1uF	25V	R714	1-216-809-11	METAL CHIP 100 5%	1/10W
C1042	1-104-658-11	ELECT 100uF 20%	10V	R715	1-216-809-11	METAL CHIP 100 5%	1/10W
C1043	1-164-156-11	CERAMIC CHIP 0.1uF	25V	R716	1-216-809-11	METAL CHIP 100 5%	1/10W
C1044	1-164-156-11	CERAMIC CHIP 0.1uF	25V	R717	1-216-809-11	METAL CHIP 100 5%	1/10W
C1054	1-126-925-11	ELECT 470uF 20%	10V	R718	1-216-809-11	METAL CHIP 100 5%	1/10W
C1055	1-164-156-11	CERAMIC CHIP 0.1uF	25V	R719	1-216-809-11	METAL CHIP 100 5%	1/10W
C1056	1-115-156-11	CERAMIC CHIP 1uF	10V	R720	1-216-809-11	METAL CHIP 100 5%	1/10W
C1057	1-162-923-11	CERAMIC CHIP 47PF 5%	50V	R721	1-216-809-11	METAL CHIP 100 5%	1/10W
C1058	1-162-923-11	CERAMIC CHIP 47PF 5%	50V	R722	1-216-809-11	METAL CHIP 100 5%	1/10W
C1059	1-162-923-11	CERAMIC CHIP 47PF 5%	50V	R723	1-216-809-11	METAL CHIP 100 5%	1/10W
C1066	1-162-923-11	CERAMIC CHIP 47PF 5%	50V	R724	1-216-841-11	METAL CHIP 47K 5%	1/10W
C1067	1-162-923-11	CERAMIC CHIP 47PF 5%	50V	R725	1-216-817-11	METAL CHIP 470 5%	1/10W
C1068	1-162-923-11	CERAMIC CHIP 47PF 5%	50V	R726	1-216-817-11	METAL CHIP 470 5%	1/10W
C1069	1-162-923-11	CERAMIC CHIP 47PF 5%	50V	R727	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
C1070	1-162-923-11	CERAMIC CHIP 47PF 5%	50V	R728	1-216-833-11	METAL CHIP 10K 5%	1/10W
C1074	1-162-919-11	CERAMIC CHIP 22PF 5%	50V	R729	1-216-813-11	METAL CHIP 220 5%	1/10W
C1110	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V	R730	1-216-821-11	METAL CHIP 1K 5%	1/10W
< CONNECTOR >				R731	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
CNP701	1-779-553-21	CONNECTOR, FFC (LIF(NON-ZIF)) 16P		R732	1-216-809-11	METAL CHIP 100 5%	1/10W
CNP702	1-784-742-11	CONNECTOR, FFC 20P		R733	1-216-809-11	METAL CHIP 100 5%	1/10W
< FERRITE BEAD >				R734	1-216-809-11	METAL CHIP 100 5%	1/10W
FB701	1-469-701-21	FERRITE, EMI (SMD) (1608)		R735	1-216-809-11	METAL CHIP 100 5%	1/10W
FB702	1-469-701-21	FERRITE, EMI (SMD) (1608)		R736	1-216-809-11	METAL CHIP 100 5%	1/10W
FB703	1-469-701-21	FERRITE, EMI (SMD) (1608)		R737	1-216-809-11	METAL CHIP 100 5%	1/10W
FB704	1-469-701-21	FERRITE, EMI (SMD) (1608)		R740	1-216-809-11	METAL CHIP 100 5%	1/10W
FB705	1-469-701-21	FERRITE, EMI (SMD) (1608)		R743	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
FB706	1-469-701-21	FERRITE, EMI (SMD) (1608)		R744	1-216-845-11	METAL CHIP 100K 5%	1/10W
FB707	1-469-701-21	FERRITE, EMI (SMD) (1608)		R745	1-216-809-11	METAL CHIP 100 5%	1/10W
FB1001	1-469-701-21	FERRITE, EMI (SMD) (1608)		R753	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
FB1002	1-469-701-21	FERRITE, EMI (SMD) (1608)		R755	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
< IC >				R756	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
IC701	6-701-796-01	IC LC78646E-US-E		R757	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
IC702	6-701-787-11	IC BA5826FP-E2		R758	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
IC1001	6-704-008-01	IC LC78684E-US-E		R759	1-216-809-11	METAL CHIP 100 5%	1/10W
IC1002	6-704-009-01	IC LC32V4265CT-25-MPB-E		R760	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
IC1003	6-704-059-01	IC S-817B18AMC-CWHT2G		R761	1-216-805-11	METAL CHIP 47 5%	1/10W
				R762	1-216-805-11	METAL CHIP 47 5%	1/10W
				R763	1-216-813-11	METAL CHIP 220 5%	1/10W
				R764	1-216-813-11	METAL CHIP 220 5%	1/10W
				R765	1-216-841-11	METAL CHIP 47K 5%	1/10W

Ref. No.	Part No.	Description			Remark
R766	1-216-797-11	METAL CHIP	10	5%	1/10W
R1001	1-216-809-11	METAL CHIP	100	5%	1/10W
R1002	1-216-809-11	METAL CHIP	100	5%	1/10W
R1003	1-216-809-11	METAL CHIP	100	5%	1/10W
R1004	1-216-809-11	METAL CHIP	100	5%	1/10W
R1005	1-216-809-11	METAL CHIP	100	5%	1/10W
R1017	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1018	1-216-809-11	METAL CHIP	100	5%	1/10W
R1019	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1020	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1068	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1073	1-216-809-11	METAL CHIP	100	5%	1/10W
R1074	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1075	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1076	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1077	1-216-809-11	METAL CHIP	100	5%	1/10W
R1078	1-216-809-11	METAL CHIP	100	5%	1/10W
R1079	1-216-809-11	METAL CHIP	100	5%	1/10W
R1080	1-216-809-11	METAL CHIP	100	5%	1/10W
R1081	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1082	1-216-805-11	METAL CHIP	47	5%	1/10W
		< SWITCH >			
S701	1-571-936-11	SWITCH, LEAF (LIMIT)			
		< VIBRATOR >			
X701	1-795-563-21	VIBRATOR, CERAMIC (16.9MHz)			

*	1-725-705-11	POWER BOARD			

	1-533-233-31	HOLDER, FUSE			
		< CAPACITOR >			
C901	1-162-995-11	CERAMIC CHIP	0.022uF		50V
C902	1-162-995-11	CERAMIC CHIP	0.022uF		50V
C903	1-162-995-11	CERAMIC CHIP	0.022uF		50V
C904	1-162-995-11	CERAMIC CHIP	0.022uF		50V
C906	1-126-964-11	ELECT	10uF	20%	50V
		< CONNECTOR >			
CNP901	1-815-551-11	PIN, CONNECTOR (PWB) 3P			
		< DIODE >			
D901	8-719-063-79	DIODE 1N4002B			
D902	8-719-063-79	DIODE 1N4002B			
D903	8-719-063-79	DIODE 1N4002B			
D904	8-719-063-79	DIODE 1N4002B			
		< FUSE >			
△F902	1-533-468-12	FUSE, GLASS TUBE (DIA. 5) (T2AL/250V)			
		(EXCEPT MX)			
△F902	1-533-469-12	FUSE, GLASS TUBE (DIA. 5) (2.5A/250V)(MX)			
		< AC INLET >			
△J901	1-526-818-11	INLET, AC (∼ AC IN) (MX)			
△J901	1-526-838-11	INLET, AC 2P (∼ AC IN) (EXCEPT MX)			

Ref. No.	Part No.	Description	Remark		
< TRANSFORMER >					
△ T901	1-435-917-21	TRANSFORMER, POWER (MX)			
△ T901	1-435-918-21	TRANSFORMER, POWER (EXCEPT MX)			

A-1101-717-A		POWER KEY BOARD, COMPLETE	*****		
< RESISTOR >					
R401	1-216-813-11	METAL CHIP	220	5%	1/10W
R402	1-216-817-11	METAL CHIP	470	5%	1/10W
< SWITCH >					
S401	1-786-050-21	SWITCH, KEYBOARD (OPERATE)			
S402	1-786-050-21	SWITCH, KEYBOARD (SLEEP)			

A-1108-791-A		TC BOARD, COMPLETE	*****		
< CAPACITOR >					
C101	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C102	1-104-658-11	ELECT	100uF	20%	10V
C103	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C104	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C105	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C107	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C201	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C202	1-104-658-11	ELECT	100uF	20%	10V
C203	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C204	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C205	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C207	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C301	1-104-658-11	ELECT	100uF	20%	10V
C302	1-104-658-11	ELECT	100uF	20%	10V
C303	1-104-658-11	ELECT	100uF	20%	10V
C304	1-126-947-11	ELECT	47uF	20%	35V
C305	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C306	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C307	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C308	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C310	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
< CONNECTOR >					
CN303	1-784-774-11	CONNECTOR, FFC 13P			
< IC >					
IC301	8-759-264-71	IC TA2068N			
< JUMPER RESISTOR >					
JC301	1-216-864-11	SHORT CHIP	0		
JC302	1-216-864-11	SHORT CHIP	0		
JC303	1-216-864-11	SHORT CHIP	0		

CFD-S35CP

Ver. 1.1

TC TUNER (2 BAND)

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
JC304	1-216-864-11	SHORT CHIP	0	A-1098-549-A	TUNER BOARD, COMPLETE (MX)		
JC305	1-216-864-11	SHORT CHIP	0	A-1098-611-A	TUNER BOARD, COMPLETE (EA,KR,SP,TH)		
JC306	1-216-295-11	SHORT CHIP	0		*****		
JC307	1-216-864-11	SHORT CHIP	0				
JC308	1-216-295-11	SHORT CHIP	0	2-547-169-01	TERMINAL, ANTENNA		
JC309	1-216-864-11	SHORT CHIP	0		< CAPACITOR >		
		< TRANSISTOR >		C1	1-162-923-11	CERAMIC CHIP	47PF 5% 50V
Q301	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R		C4	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V
Q302	8-729-907-00	TRANSISTOR DTC114EU		C7	1-162-910-11	CERAMIC CHIP	5PF 0.25PF 50V
Q303	8-729-907-00	TRANSISTOR DTC114EU		C8	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V
		< RESISTOR >		C9	1-162-915-11	CERAMIC CHIP	10PF 0.5PF 50V
R101	1-216-835-11	METAL CHIP	15K 5% 1/10W	C10	1-126-960-11	ELECT	1uF 20% 50V
R102	1-216-807-11	METAL CHIP	68 5% 1/10W	C11	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
R103	1-216-843-11	METAL CHIP	68K 5% 1/10W	C12	1-126-963-11	ELECT	4.7uF 20% 50V
R104	1-216-835-11	METAL CHIP	15K 5% 1/10W	C13	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
R105	1-216-835-11	METAL CHIP	15K 5% 1/10W	C14	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V (MX) (EA,KR,SP,TH)
R106	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	C14	1-164-227-11	CERAMIC CHIP	0.022uF 10% 25V (MX)
R110	1-216-809-11	METAL CHIP	100 5% 1/10W	C15	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V (EA,KR,SP,TH)
R111	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	C15	1-164-227-11	CERAMIC CHIP	0.022uF 10% 25V (MX)
R112	1-216-827-11	METAL CHIP	3.3K 5% 1/10W	C18	1-126-923-11	ELECT	220uF 20% 10V
R201	1-216-835-11	METAL CHIP	15K 5% 1/10W	C20	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
R202	1-216-807-11	METAL CHIP	68 5% 1/10W	C21	1-126-960-11	ELECT	1uF 20% 50V
R203	1-216-843-11	METAL CHIP	68K 5% 1/10W	C22	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
R204	1-216-835-11	METAL CHIP	15K 5% 1/10W	C23	1-126-960-11	ELECT	1uF 20% 50V
R205	1-216-835-11	METAL CHIP	15K 5% 1/10W	C24	1-162-960-11	CERAMIC CHIP	220PF 10% 50V
R206	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	C26	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
R210	1-216-025-11	RES-CHIP	100 5% 1/10W	C27	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
R211	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	C29	1-104-658-11	ELECT	100uF 20% 10V
R212	1-216-827-11	METAL CHIP	3.3K 5% 1/10W	C30	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
R301	1-216-857-11	METAL CHIP	1M 5% 1/10W	C31	1-162-919-11	CERAMIC CHIP	22PF 5% 50V
R302	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	C32	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V
R303	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	C33	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
R304	1-216-821-11	METAL CHIP	1K 5% 1/10W	C34	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
R305	1-216-817-11	METAL CHIP	470 5% 1/10W	C35	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
R306	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W	C37	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
R307	1-216-797-11	METAL CHIP	10 5% 1/10W	C39	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
R308	1-216-837-11	METAL CHIP	22K 5% 1/10W	C41	1-164-230-11	CERAMIC CHIP	220PF 5% 50V
R309	1-216-805-11	METAL CHIP	47 5% 1/10W	C42	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
R310	1-216-857-11	METAL CHIP	1M 5% 1/10W	C43	1-162-919-11	CERAMIC CHIP	22PF 5% 50V
R311	1-216-857-11	METAL CHIP	1M 5% 1/10W	C47	1-162-915-11	CERAMIC CHIP	10PF 0.5PF 50V
R314	1-216-817-11	METAL CHIP	470 5% 1/10W	C49	1-161-051-00	CERAMIC	0.01uF 10% 25V
R315	1-216-817-11	METAL CHIP	470 5% 1/10W	C51	1-162-919-11	CERAMIC CHIP	22PF 5% 50V
		< SWITCH >		C52	1-162-915-11	CERAMIC CHIP	10PF 0.5PF 50V
S301	1-786-126-11	SWITCH, SLIDE (REC/PB)		C53	1-137-190-11	FILM	0.22uF 5% 50V
		< TRANSFORMER >		C54	1-126-923-11	ELECT	220uF 20% 10V
T301	1-416-041-11	TRANSFORMER, BIAS OSCILLATION		C55	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
*****				C56	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V
				C57	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V
				C59	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
				C60	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V
				C61	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
				C62	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
				C63	1-162-927-11	CERAMIC CHIP	100PF 5% 50V

61

CFD-S35CP

TUNER (3 BAND)

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C14	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	CNP1	1-568-854-11	< CONNECTOR >	
C15	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V				
C18	1-126-923-11	ELECT	220uF 20% 10V				
C20	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	CT1	1-141-442-91	< TRIMMER CAPACITOR >	
C21	1-126-960-11	ELECT	1uF 20% 50V				
C22	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V				
C23	1-126-960-11	ELECT	1uF 20% 50V	CT3	1-141-304-21	CAP, CERAMIC TRIMMER 10PF	
C24	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	CT5	1-141-459-11	CAP, TRIMMER (SEAL TYPE) 45PF	
C25	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V	D1	8-719-078-48	< DIODE >	
C29	1-104-658-11	ELECT	100uF 20% 10V				
C30	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V				
C31	1-162-919-11	CERAMIC CHIP	22PF 5% 50V	D2	8-719-078-48	DIODE KV1471ETR-G	
C32	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	D3	8-719-050-69	DIODE KV1520N	
C33	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	D10	8-719-988-61	DIODE 1SS355TE-17	
C34	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	D11	8-719-988-61	DIODE 1SS355TE-17	
C35	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	IC1	6-700-512-01	< IC >	
C37	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V				
C39	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V				
C40	1-162-915-11	CERAMIC CHIP	10PF 0.5PF 50V	IC2	8-759-483-40	IC TA2149BN	
C41	1-164-230-11	CERAMIC CHIP	220PF 5% 50V			IC LC72137M-TLM-E	
C42	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	JC1	1-216-864-11	< JUMPER RESISTOR >	
C43	1-162-923-11	CERAMIC CHIP	47PF 5% 50V				
C44	1-164-230-11	CERAMIC CHIP	220PF 5% 50V				
C45	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	JC2	1-216-864-11	SHORT CHIP 0	
C46	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	JC3	1-216-864-11	SHORT CHIP 0	
C48	1-162-923-11	CERAMIC CHIP	47PF 5% 50V	JC4	1-216-864-11	SHORT CHIP 0	
C49	1-161-772-11	CERAMIC	0.1uF 10% 25V	JC5	1-216-864-11	SHORT CHIP 0	
C51	1-162-919-11	CERAMIC CHIP	22PF 5% 50V	JC6	1-216-864-11	SHORT CHIP 0	
C52	1-162-915-11	CERAMIC CHIP	10PF 0.5PF 50V	JC22	1-216-864-11	SHORT CHIP 0	
C53	1-137-194-81	FILM	0.47uF 5% 50V	JC23	1-216-864-11	SHORT CHIP 0	
C54	1-126-923-11	ELECT	220uF 20% 10V	JC24	1-216-864-11	SHORT CHIP 0	
C55	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	JC33	1-216-864-11	SHORT CHIP 0	
C56	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	JC34	1-216-864-11	SHORT CHIP 0	
C57	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	L1	1-409-775-11	< COIL >	
C58	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V				
C59	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V				
C60	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	L2	1-416-509-11	COIL, AIR-CORE	
C61	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	L3	1-754-116-12	ANTENNA, FERRITE-ROD (MW/LW)	
C62	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	L4	1-411-199-31	COIL, MW/LW OSC	
C63	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	L21	1-410-509-11	INDUCTOR 10uH	
C64	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	Q12	8-729-028-99	< TRANSISTOR >	
C66	1-162-927-11	CERAMIC CHIP	100PF 5% 50V				
C68	1-162-927-11	CERAMIC CHIP	100PF 5% 50V				
C70	1-162-910-11	CERAMIC CHIP	5PF 0.25PF 50V	Q14	8-729-905-35	TRANSISTOR 2SC4081-R	
C71	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	Q41	8-729-920-31	TRANSISTOR DTC343TK	
C72	1-162-919-11	CERAMIC CHIP	22PF 5% 50V	Q42	8-729-054-77	TRANSISTOR 2SC4098-T106-PQ	
C73	1-162-919-11	CERAMIC CHIP	22PF 5% 50V	Q43	8-729-920-38	TRANSISTOR 2SC2059K-N	
C77	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V	Q44	8-729-054-77	TRANSISTOR 2SC4098-T106-PQ	
C78	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V	Q61	8-729-106-07	FET 2SK514-H	
C80	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	R1	1-216-817-11	< RESISTOR >	
C93	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V				
C95	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V				
< FILTER >				R2	1-216-817-11	METAL CHIP 470 5% 1/10W	
CF2	1-795-426-11	FILTER, CERAMIC		R3	1-216-833-11	METAL CHIP 10K 5% 1/10W	
CF4	1-781-962-21	FILTER, CERAMIC		R4	1-216-833-11	METAL CHIP 10K 5% 1/10W	
				R7	1-216-853-11	METAL CHIP 470K 5% 1/10W	
				R9	1-216-845-11	METAL CHIP 100K 5% 1/10W	
				R10	1-216-805-11	METAL CHIP 47 5% 1/10W	
				R11	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R12	1-216-841-11	METAL CHIP	47K 5% 1/10W	ANT1	1-754-376-11	ANTENNA, TELESCOPIC (FM)	
R13	1-216-821-11	METAL CHIP	1K 5% 1/10W	C309	1-162-923-11	CERAMIC CHIP 47PF	5% 50V (AEP,UK,CET,RU)
R14	1-216-821-11	METAL CHIP	1K 5% 1/10W	D408	6-500-306-01	LED FA3864X (MP3)	
R16	1-216-833-11	METAL CHIP	10K 5% 1/10W	HE301	1-500-813-11	HEAD, ERASE (ERASE)	
R17	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	HRP301	3-266-053-01	HEAD, RP (REC/PB)	
R18	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	M702	X-2625-769-1	GEAR ASSY (MB) (RP), MOTOR (SLED)	
R19	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	M801	X-3385-048-1	MOTOR SUB ASSY (CAPSTAN/REEL)	
R22	1-216-833-11	METAL CHIP	10K 5% 1/10W	S801	1-692-960-11	SWITCH, PUSH (1 KEY)	(▲ PUSH OPEN/CLOSE)
R24	1-216-813-11	METAL CHIP	220 5% 1/10W	SP301	1-825-690-11	SPEAKER (DIA. 10cm) (L-CH)	
R30	1-216-837-11	METAL CHIP	22K 5% 1/10W	SP302	1-825-690-11	SPEAKER (DIA. 10cm) (R-CH)	
R31	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	*****			
R32	1-216-845-11	METAL CHIP	100K 5% 1/10W	ACCESSORIES			
R33	1-216-833-11	METAL CHIP	10K 5% 1/10W	*****			
R40	1-216-853-11	METAL CHIP	470K 5% 1/10W	▲	1-590-342-12	CORD, POWER (MX)	
R41	1-216-833-11	METAL CHIP	10K 5% 1/10W	▲	1-769-412-22	CORD, POWER (EXCEPT KR,MX)	
R42	1-216-845-11	METAL CHIP	100K 5% 1/10W	▲	1-770-019-11	ADAPTOR, CONVERSION PLUG 3P (UK)	
R43	1-216-833-11	METAL CHIP	10K 5% 1/10W	▲	1-776-985-12	CORD, POWER (KR)	
R50	1-216-821-11	METAL CHIP	1K 5% 1/10W		2-548-054-13	MANUAL, INSTRUCTION (ENGLISH)	(AEP,UK,EA,KR,SP,TH)
R51	1-216-833-11	METAL CHIP	10K 5% 1/10W				
R52	1-216-809-11	METAL CHIP	100 5% 1/10W		2-548-054-22	MANUAL, INSTRUCTION (SWEDISH) (CET)	
R53	1-216-829-11	METAL CHIP	4.7K 5% 1/10W		2-548-054-32	MANUAL, INSTRUCTION (FINNISH) (CET)	
R54	1-216-817-11	METAL CHIP	470 5% 1/10W		2-548-054-42	MANUAL, INSTRUCTION (HUNGARIAN) (CET)	
R55	1-216-864-11	SHORT CHIP	0		2-548-054-52	MANUAL, INSTRUCTION (CZECH) (CET)	
R56	1-216-813-11	METAL CHIP	220 5% 1/10W		2-548-054-62	MANUAL, INSTRUCTION (POLISH) (CET)	
R57	1-216-809-11	METAL CHIP	100 5% 1/10W				
R58	1-216-825-11	METAL CHIP	2.2K 5% 1/10W		2-548-054-72	MANUAL, INSTRUCTION (SLOVAKIAN) (CET)	
R59	1-216-825-11	METAL CHIP	2.2K 5% 1/10W		2-548-054-82	MANUAL, INSTRUCTION (RUSSIAN) (CET)	
R60	1-216-825-11	METAL CHIP	2.2K 5% 1/10W		2-548-054-92	MANUAL, INSTRUCTION (SPANISH)	(AEP,SP,TH)
R61	1-216-825-11	METAL CHIP	2.2K 5% 1/10W				
R63	1-216-829-11	METAL CHIP	4.7K 5% 1/10W		2-548-055-11	MANUAL, INSTRUCTION (ENGLISH,SPANISH)	(MX)
R64	1-216-821-11	METAL CHIP	1K 5% 1/10W		2-548-055-21	MANUAL, INSTRUCTION (ENGLISH,RUSSIAN)	(RU)
R66	1-216-805-11	METAL CHIP	47 5% 1/10W				
R91	1-216-813-11	METAL CHIP	220 5% 1/10W		2-548-055-31	MANUAL, INSTRUCTION (ARABIC) (EA)	
R92	1-216-813-11	METAL CHIP	220 5% 1/10W		2-548-055-41	MANUAL, INSTRUCTION (KOREAN) (KR)	
R93	1-216-821-11	METAL CHIP	1K 5% 1/10W		2-548-055-51	MANUAL, INSTRUCTION (FRENCH) (AEP)	
R94	1-216-821-11	METAL CHIP	1K 5% 1/10W		2-548-055-61	MANUAL, INSTRUCTION (GERMAN) (AEP)	
		< TRANSFORMER >			2-548-055-71	MANUAL, INSTRUCTION (DUTCH) (AEP)	
T1	1-433-741-11	TRANSFORMER, IF			2-548-055-81	MANUAL, INSTRUCTION (PORTUGUESE) (AEP)	
T2	1-419-465-11	COIL (DET)			3-267-151-11	LID, BATTERY (for RMT-CF15/CF15CPAD)	
		< VIBRATOR >			A-1072-200-A	REMOTE COMMANDER (RMT-CF15)	(EA,KR,MX,SP,TH)
X1	1-795-449-11	VIBRATOR, CRYSTAL (75kHz)			A-1127-310-A	REMOTE COMMANDER (RMT-CF15CPAD)	(AEP,UK,CET,RU)

MISCELLANEOUS							

104	1-757-689-11	CABLE, FLEXIBLE FLAT (16 CORE)					
105	1-830-236-11	CABLE, FLEXIBLE FLAT (20 CORE)					
111	1-452-899-11	MAGNET					
160	1-830-235-11	CABLE, FLEXIBLE FLAT (15 CORE)					
207	1-962-797-11	CABLE, FLEXIBLE FLAT (11 CORE)					
253	1-829-058-11	CABLE, FLEXIBLE FLAT (13 CORE)					
▲ 301	8-848-483-12	OPTICAL PICK-UP (KSS-213C/C2RP1)					
305	X-2162-709-2	CHASSIS ASSY (CDP), MOTOR (SPINDLE)	(including M701)				

REVISION HISTORY

Clicking the version allows you to jump to the revised page.

Also, clicking the version at the upper on the revised page allows you to jump to the next revised page.

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