

CFD-60L

SERVICE MANUAL

AEP Model
UK Model



SPECIFICATIONS

Model Name Using Similar Mechanism	CD Section Tape Section	NEW NEW
Optical Device Name		KSM-210BAN
Tape Transport Mechanism Type		MF-60-64

CD player section

System	Compact disc digital audio system	Frequency response	20 — 20,000 Hz ± 1 dB
Laser diode properties	Material: GaAlAs Wavelength 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.	Wow and flutter	Below measurable limit

Radio section

Frequency range

	FM	MW	LW	SW
AEP, WG, UK model	87.6—107MHz	531—1602kHz	153—281kHz	5.95—18MHz
IT model	87.5—108MHz	526.5—1606.5kHz	148.5—283.5kHz	
Intermediate frequency	10.7MHz	455kHz		

— Continued on next page —

CD RADIO CASSETTE-CORDER SONY®



Tape recorder section and general

Recording system 4-track 2-channel stereo
 Frequency response 60—10,000Hz (with TYPE I <NORMAL> cassette)
 Speaker Full-range speakers: 10 cm dia., cone type
 Power output Full-range speakers: 2W + 2W (at 3.2 ohms, 315Hz, 10% harmonic distortion)
 Input Mixing microphone input jack (minijack)
 Sensitivity 2.5 mV
 For low impedance microphone
 Output Headphone jack (stereo minijack)
 For 16—68 ohms impedance headphones

Power requirements	AEP, WG, IT model	220 V AC, 50 Hz
	UK model	240 V AC, 50 Hz

Power consumption DC 9V, 6 R20 (size D) batteries
 AC 18W (AEP, WG, IT model)
 AC 20W (UK model)

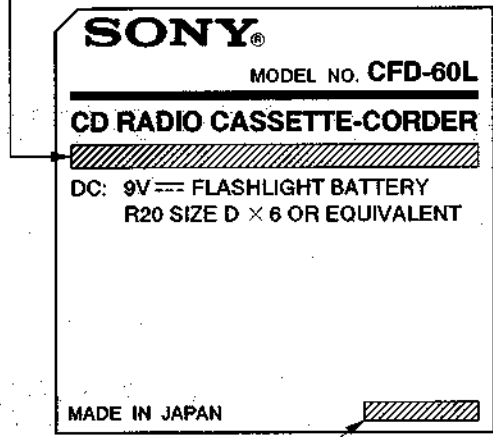
Battery life	FM recording
Sony SUM-1 (NS)	Approx. 11 hours
Sony Alkaline AM1 (N)	Approx. 17 hours

Dimensions 593 × 175.5 × 197 mm (w/h/d)
 (23⁹/₁₆ × 7 × 7⁷/₁₆ inches)
 incl. projecting parts and controls
 Weight Approx. 4.6kg incl. batteries
 (Approx. 10 lb 2 oz).
 Supplied accessory AC power cord (1)

Design and specifications subject to change without notice.

MODEL IDENTIFICATION

— Specification Label —
 AEP, WG, IT model: AC: 220V~50Hz 18W
 UK model: AC: 240V~50Hz 20W



AEP model : 4-931-364-01
 WG model : 4-931-366-01
 IT model : 4-931-395-01
 UK model : 4-931-367-01

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SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK OR DOTTED LINE WITH MARK 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.

SECTION 1

SERVICING NOTES

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

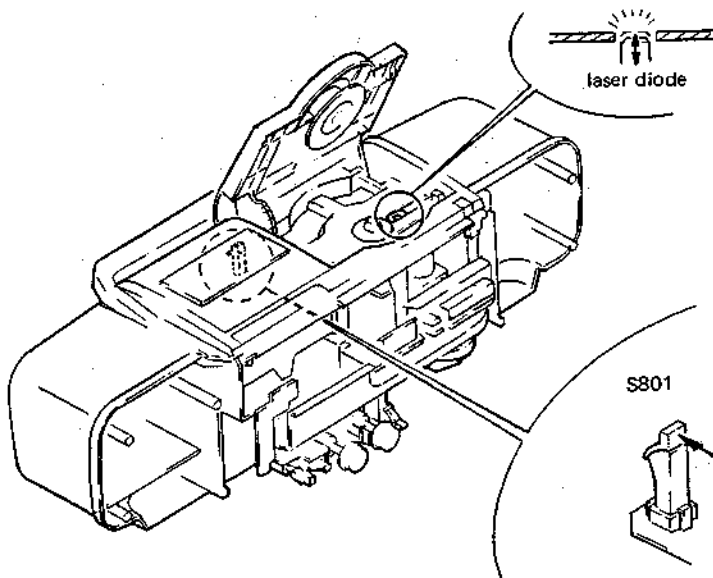
The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body. During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter 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 more than 25 cm away from the objective lens.

LASER DIODE AND FOCUS SEARCH OPERATION CHECK

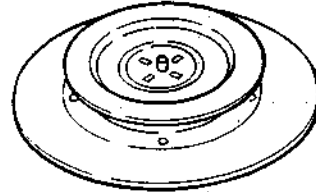
1. Remove the front cabinet assembly. (See page 4.)
2. Turn POWER switch on with no disc inserted and make Function switch to CD position.
3. Open the lid for CD.
4. Turn on S801 as following figure.
5. Press ► key.
6. Confirm the laser diode emission while observing the objecting lens. When there is no emission, Auto Power Control circuit or Optical Pick-up is broken. Objective lens moves up and down once for the focus search.



CHUCK PLATE JIG ON REPAIRING

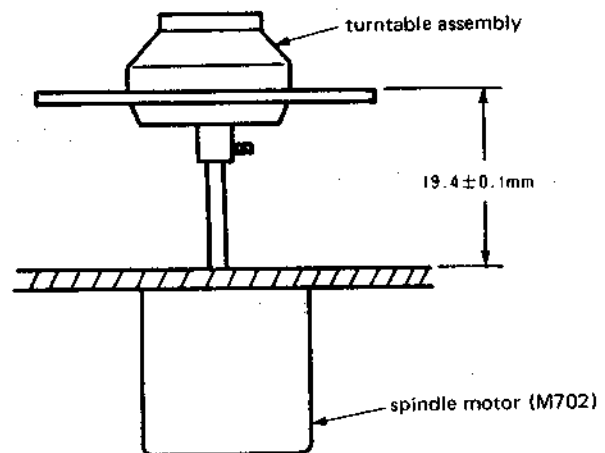
On repairing CD section, playing a disc without the CD lid, use Chuck Plate Jig.

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



NOTE ON REPAIRING

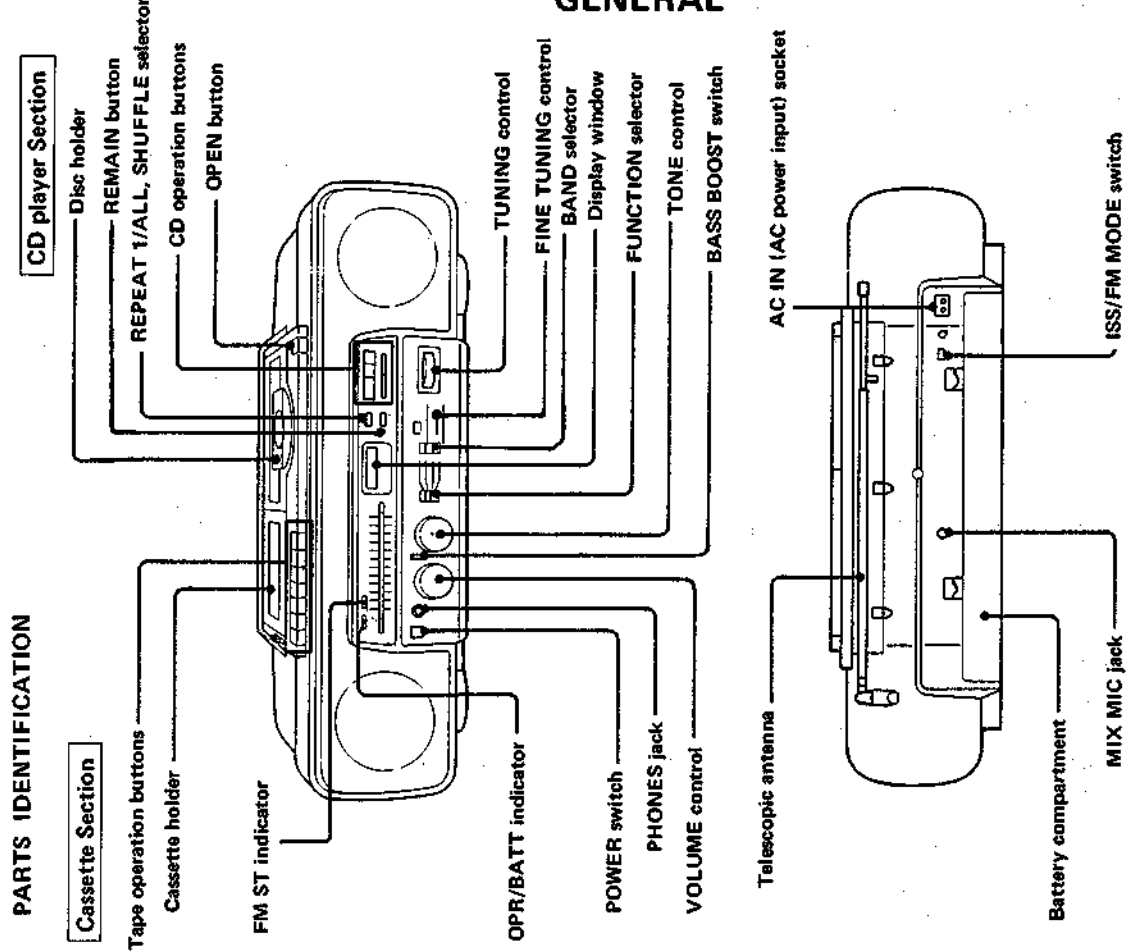
The spindle motor (M702) and the turntable assembly are individually supplied as repair parts. When repairing M702, please order the turntable assembly together. Dimension is as follows.



CAUTION

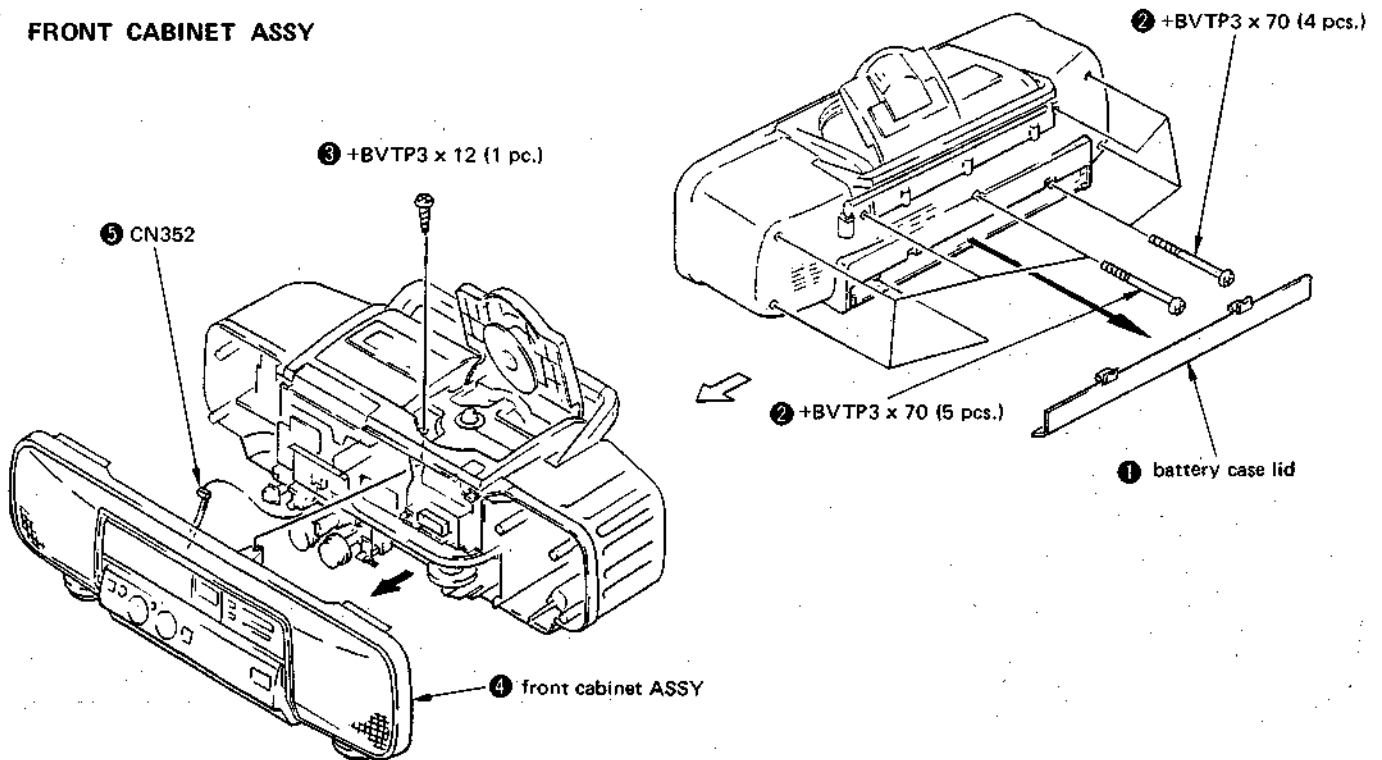
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

SECTION 2 GENERAL

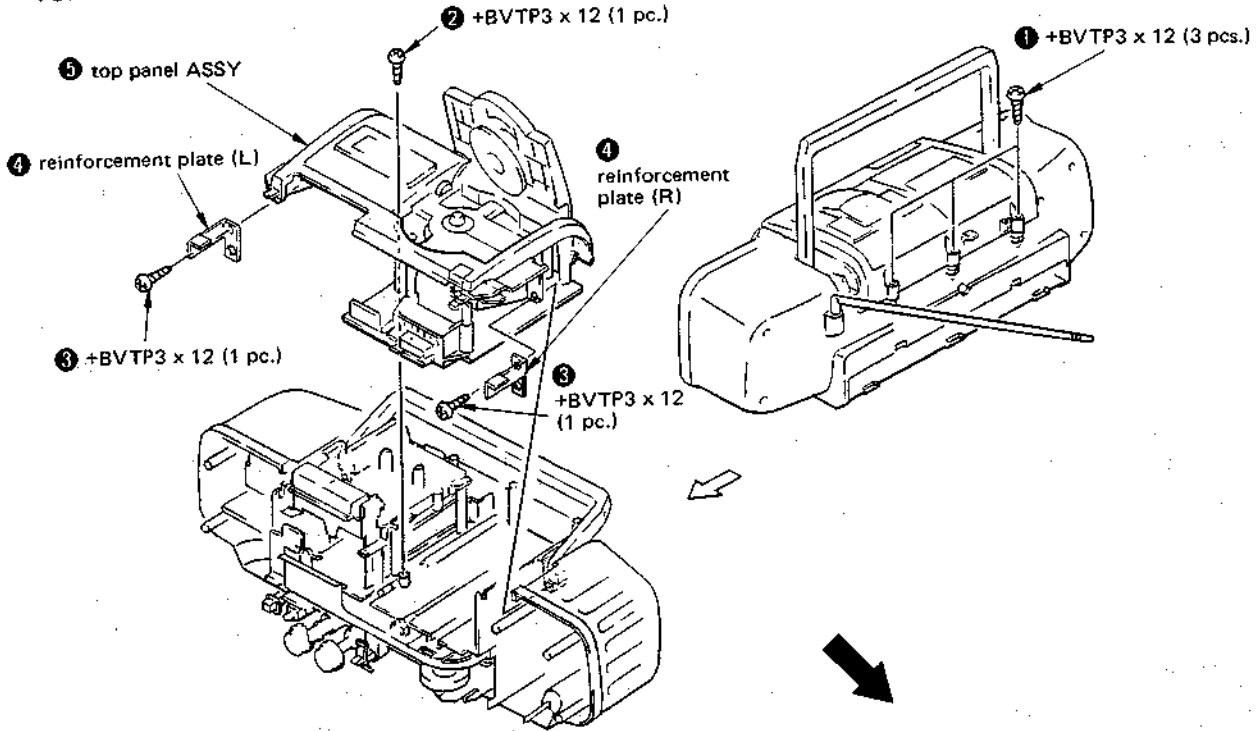


SECTION 3 DISASSEMBLY

FRONT CABINET ASSY



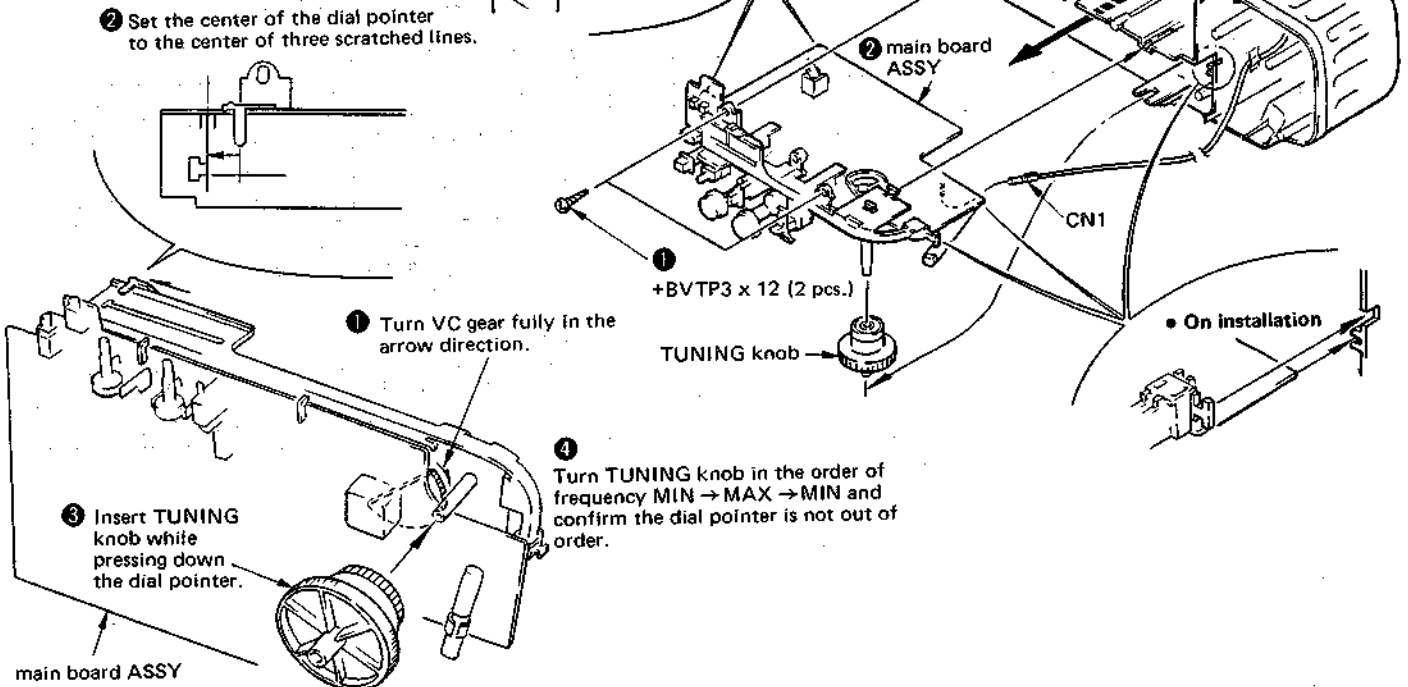
TOP PANEL ASSY



MAIN BOARD ASSY

• On installation

DIAL POINTER SETTING



SECTION 4 MECHANICAL ADJUSTMENTS

TAPE RECORDER SECTION

PRECAUTION

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

record/playback head	pinch rollers
erase head	rubber belts
capstans	idlers
2. Demagnetize the record/playback/erase head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed in the order given in this service manual.

Torque Measurement		
Mode	Torque meter	Meter reading
FWD	CQ-102C	20 to 60 g-cm (0.28 to 0.83 oz-inch)
FWD back tension		2 to 6 g-cm (0.03 to 0.08 oz-inch)
FF	CQ-201B	more than 50 g-cm (more than 0.69 oz-inch)
REW	CQ-201B	more than 50 g-cm (more than 0.69 oz-inch)

Tape Tension		
Mode	Tension meter	Meter reading
FWD	CQ-403A	more than 70 g (more than 2.47 oz)

SECTION 5 ELECTRICAL ADJUSTMENTS

PRECAUTION

1. Adjustments should be performed in the order given.
Generally playback circuit adjustments should be completed before performing recording circuit adjustments.
2. Adjustments should be performed for both L ch and R-ch.
Switches and controls should be set as follows unless otherwise specified.
 - Positions of switches and control knobs

FUNCTION	TAPE
ISS/FM MODE	2/ST
BASS BOOST	OFF
TONE	mechanical center
VOLUME	minimum

- Standard recording position
Adjust the VOLUME knob so that the following regulated input/output signal levels are obtained.

- Standard input level

Input Pin	MIX MIC
Signal source impedance	300 Ω
Input signal level	2.5 mV (-50 dB)
Frequency	1 kHz

- Standard output level

Output Pin	Speaker (L, R)	PHONES
Signal source impedance	3.2 Ω	32 Ω
Output signal level	0.775 V (0 dB)	0.245 V (-10 dB)

0 dB = 0.775 V

- Test Tape

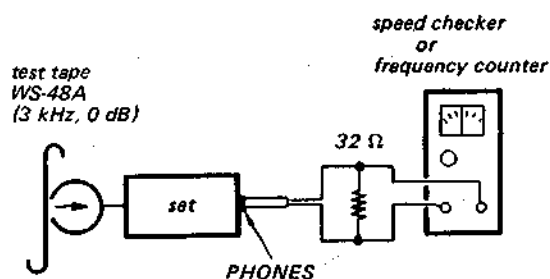
Type	Signal	Used for
WS-48A	3 kHz, 0 dB	Tape Speed Adjustment

5-1. TAPE RECORDER SECTION

Tape Speed Adjustment

Adjustment Procedure:

— Playback mode —



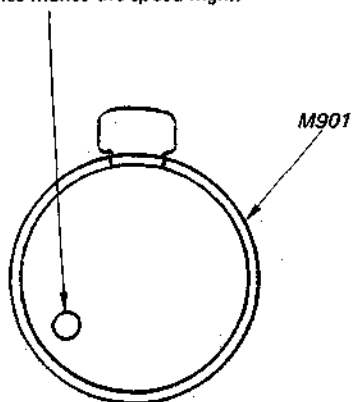
Adjustment Value:

Speed Checker	Frequency Counter
±2.5%	2,925 to 3,075 Hz

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

Adjustment Location:

Adjust the adjustment resistor built in the motor.
(Adjust with inserting the screwdriver. Turning clockwise makes the speed high.)



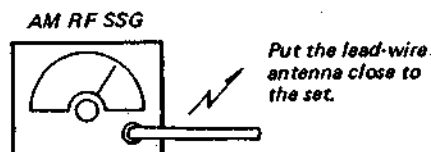
5-2. RADIO SECTION

[AM]

FUNCTION switch: RADIO

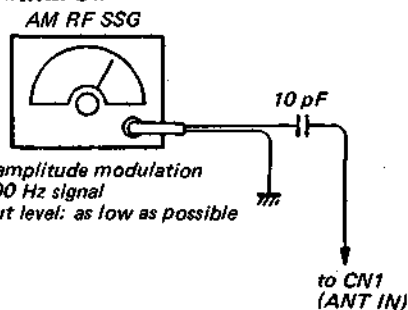
FINE TUNING control: Mechanical center

BAND switch: MW, LW



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

BAND switch: SW

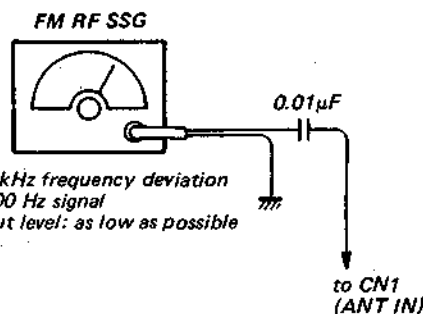


30% amplitude modulation
by 400 Hz signal
output level: as low as possible

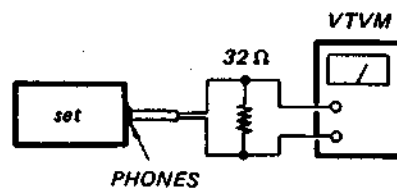
[FM]

FUNCTION switch: RADIO

BAND switch: FM



22.5 kHz frequency deviation
by 400 Hz 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.

AM IF ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
CP2	455 kHz

LW FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
T3	145 kHz 140 kHz(Italian)
CT3	300 kHz 293 kHz(Italian)

LW TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L4	160 kHz
CT5	260 kHz

MW FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
T2	518 kHz 516 kHz(Italian)
CT1-4	1,680 kHz 1,630 kHz(Italian)

MW TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L3	620 kHz
CT1-3	1,400 kHz

SW FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
T1	5.8 MHz
CT2	18.4 MHz

SW TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
T4	5.8 MHz

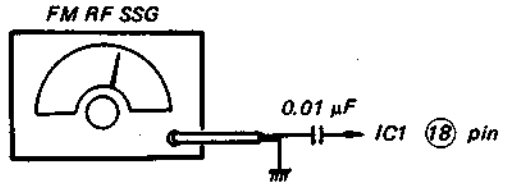
FM FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L2	87.0 MHz 87.35 MHz (West Germany, Italian)
CT1-2	108.3MHz 107.8 MHz (West Germany) 108.25 MHz (Italian)

FM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L1	87.0 MHz 87.35 MHz (West Germany, Italian)
CT1-1	108.3 MHz 107.8 MHz (West Germany) 108.25 MHz (Italian)

[FM VCO ADJUSTMENT]

Procedure:

- FUNCTION switch: FM



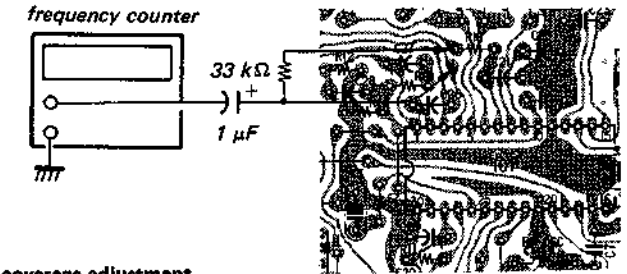
Carrier Frequency: According to the color of the mark on ceramic filter (CF2).

Mark	Carrier Frequency
red	10.7 MHz
blue	10.67 MHz
orange	10.73 MHz
black	10.64 MHz
white	10.76 MHz

Output Level: 100 dB (0.1 V)

- 1) Adjust with RV1 so that the reading on the frequency counter becomes 76.0 ±0.3 kHz.

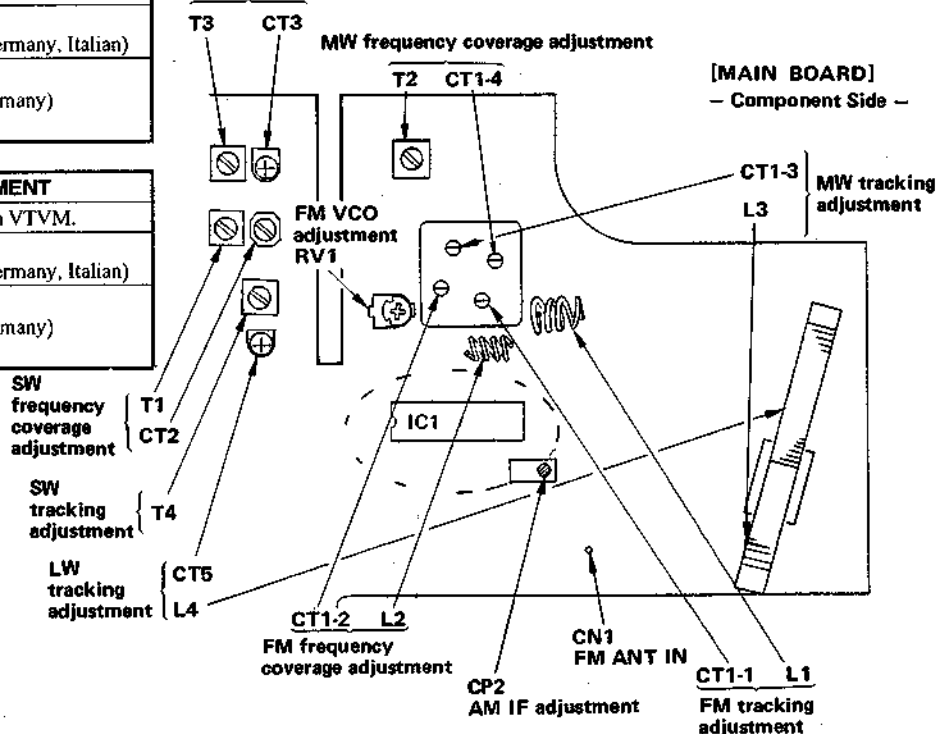
Adjustment Location: main board



LW frequency coverage adjustment

MW frequency coverage adjustment

[MAIN BOARD]
- Component Side -



5-3. CD SECTION

Notes on Adjustment

1. Perform adjustment in service mode.
After adjustment, be sure to release service mode.
2. Perform adjustments in the order given.
3. Use the disc (YEDS-18, Part No. 3-702-101-01) only when so indicated.

Before Adjustment

Put the set into service mode and perform the following checks. Repair if there are any problems.

• Sled Motor Check

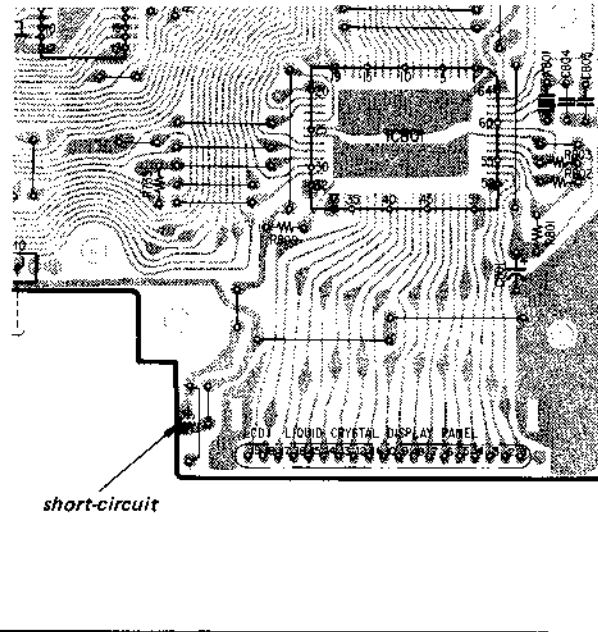
1. Press ► key → ■ key.
2. Press ►►, ◄◄ keys and confirm that the FOP moves smoothly from the innermost to outermost circumference and back smoothly and with no catching or abnormal noises.
►► : FOP moves to the outer circumference
◄◄ : FOP moves to the inner circumference

• Focus Search Check

1. Press ► key. (Focus search operation is performed continuously.)
2. Look at the FOP objective lens and confirm that it moves up and down smoothly, with no catching or abnormal noises.
3. Press ■ key.
Confirm that focus search operation stops. If it does not, press ■ key again longer.

How to Put the Set into Service Mode

1. Short-circuit following portions on the CD main board.
2. Turn the POWER on.
CD main board (conductor side)

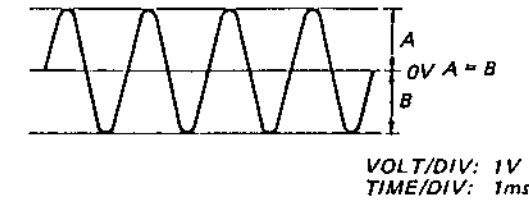


E-F Balance Adjustment

This adjustment is to be done when the optical block is replaced.

Adjustment Procedure:

1. Connect the oscilloscope between IC701 pins ① and ②⑥.
2. Put the set into service mode. (See page 9.)
3. Press the ►► and ◄◄ keys to move the FOP to the center.
4. Insert disc (YEDS-18) and press ► key.
5. Adjust RV701 so that the oscilloscope traverse waveform is symmetrical, as shown in the figure below.
6. Release service mode after adjustment is completed.

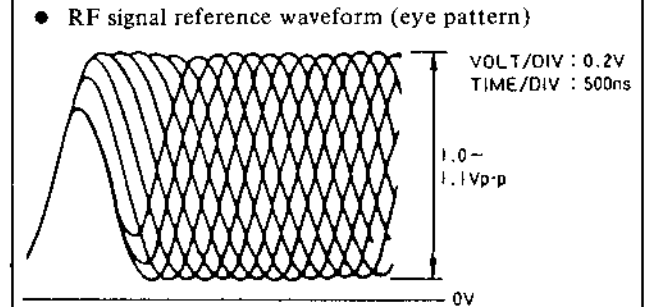


Focus Bias Adjustment

This adjustment is to be done when the optical block is replaced.

Adjustment Procedure:

1. Connect the oscilloscope between IC701 pins ⑭ and ⑳.
2. Put the set into service mode. (See page 9.)
3. Press the ►► and ◄◄ keys to move the FOP to the center. (Move the FOP to the music area on the disc to enable easy visibility of the eye pattern.)
4. Insert disc (YEDS-18) and press ► key.
5. Adjust RV702 so 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.
6. Release service mode after adjustment is completed.



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

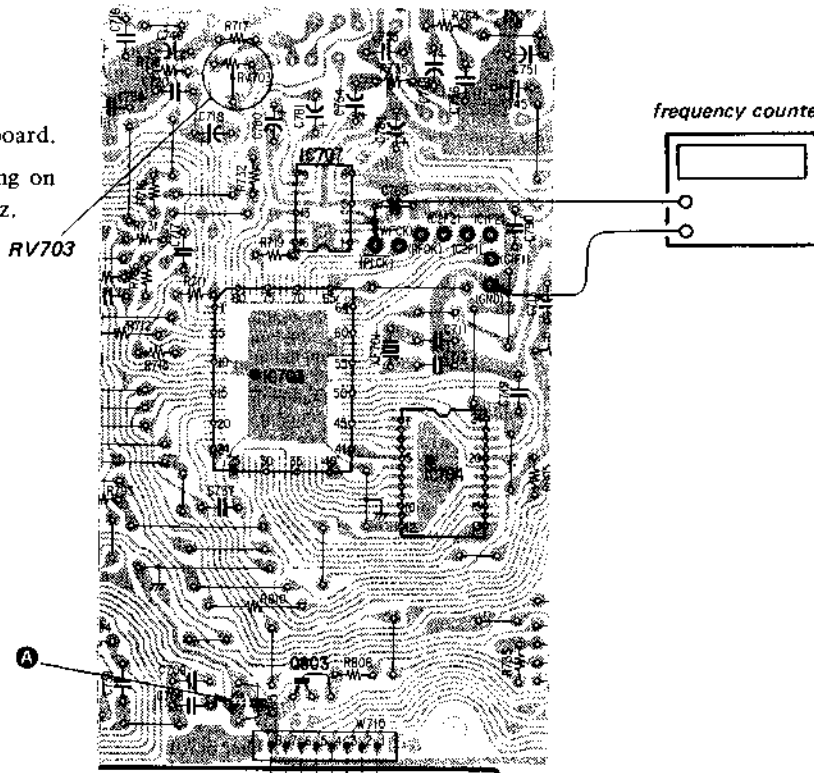
VCO Adjustment

Adjustment Procedure:

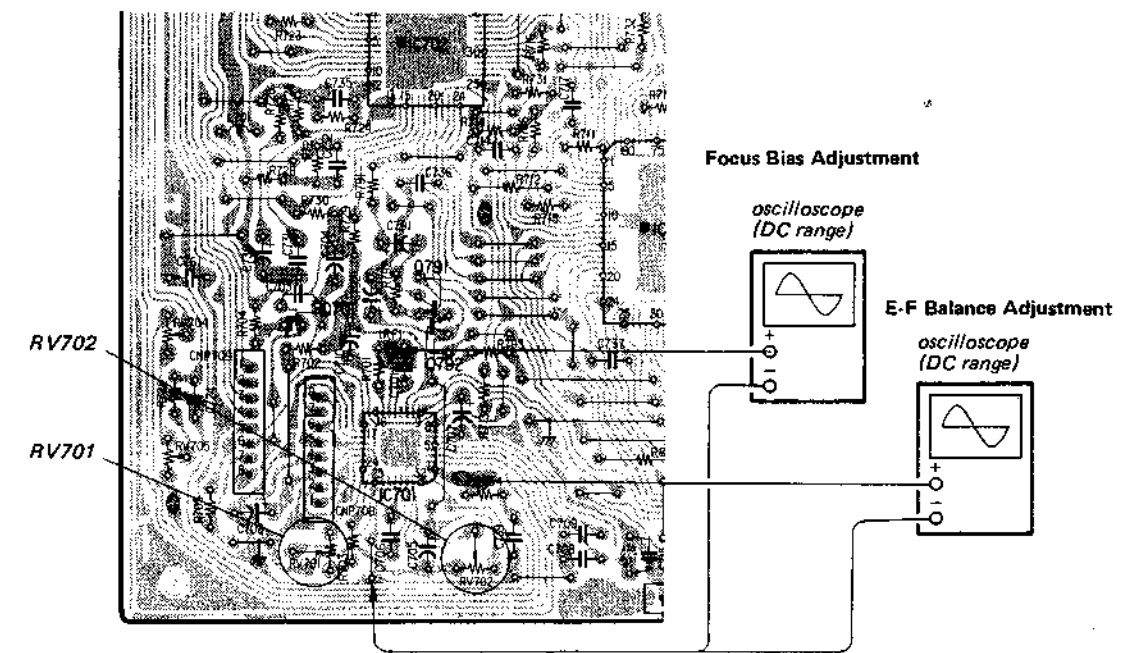
1. Short-circuit Ⓐ portion on CD main board.
2. Adjust with RV703 so that the reading on frequency counter becomes 4.3218 MHz.
3. Release the short-circuit Ⓐ portion.

Adjustment Location:

CD main board
(conductor side)



Adjustment Location: CD main board (conductor side)



Focus/Tracking Gain Adjustment

A frequency response analyzer is necessary in order to perform this adjustment exactly.

However, this gain has a margin, so even if it is slightly off, there is no problem. Therefore, do not perform this adjustment.

Focus/tracking gain determines the pick-up follow-up (vertical and horizontal) relative to mechanical noise and mechanical shock when the 2-axis device operate.

However, as these reciprocate, the adjustment is at the point where both are satisfied.

- When gain is raised, the noise when the 2-axis device operates increases.
- When gain is lowered, it is more susceptible to mechanical shock and skipping occurs more easily.
- When gain adjustment is off, the symptoms below appear.

Symptoms \ Gain	Focus	Tracking
• The time until music starts becomes longer for STOP → PLAY or automatic selection (◀▶ buttons pressed. (Normally takes about 2 seconds.)	low	low or high
• Music does not start and disc continues to rotate for STOP → PLAY or automatic selection (◀▶ buttons pressed.)	—	low
• Sound is interrupted during PLAY. Or time counter display stops progressing.	—	low
• More poise during 2-axis device operation.	high	high

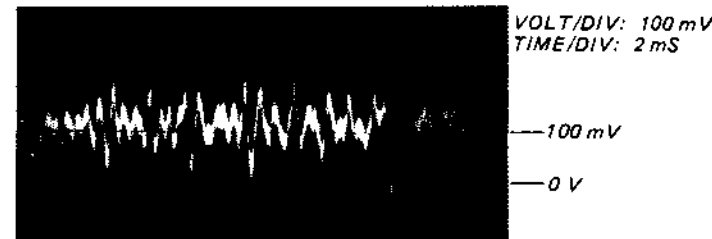
The following is a simple adjustment method.

– Simple Adjustment –

Note: Since exact adjustment cannot be performed, remember the positions of the controls before performing the adjustment. If the positions after the simple adjustment are only a little different, return the controls to the original position.

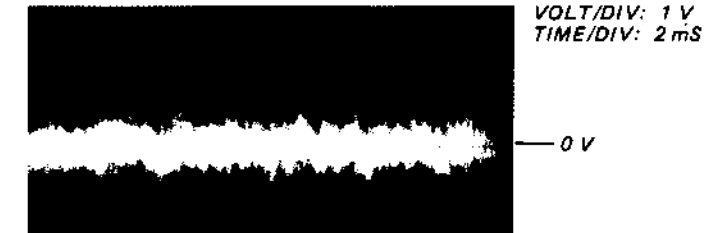
Procedure:

1. Keep the set horizontal.
(If the set is not horizontal, this adjustment cannot be performed due to the gravity against the 2 axis device.)
2. Insert disc (YEDS-18) and press ▶PLAY button.
3. Connect the oscilloscope between IC701 pins ① and ②⑥.
4. Adjustment RV705 so that the waveform is as shown in the figure below. (focus gain adjustment)

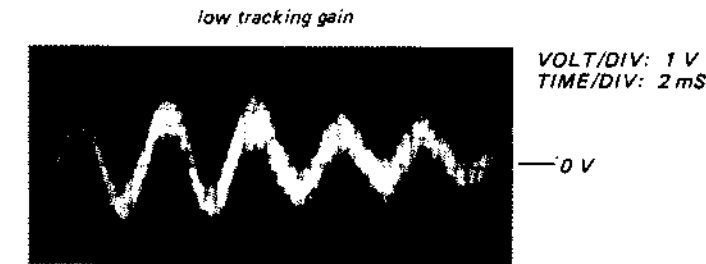


5. Connect the oscilloscope between IC701 pins ① and ②⑥.

6. Adjust RV704 so that the waveform is as shown in the figure below. (tracking gain adjustment)



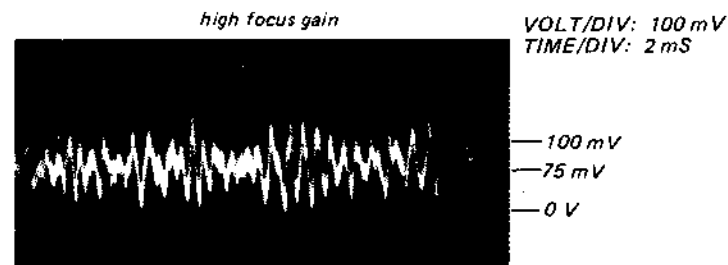
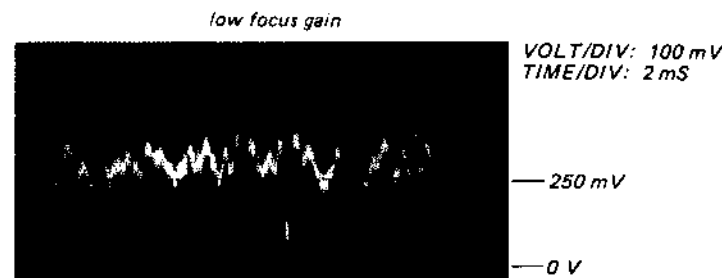
• Incorrect Examples (fundamental wave appears)



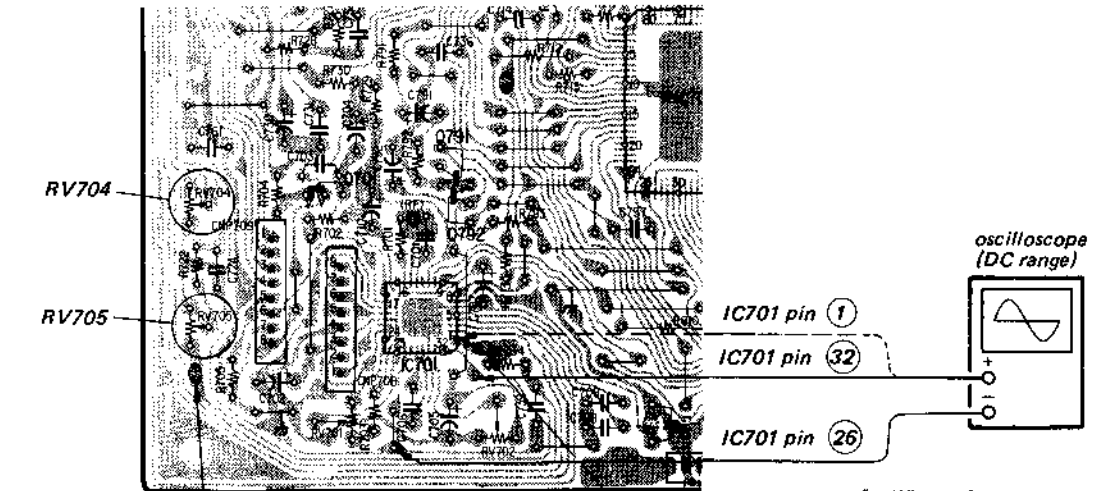
low tracking gain
high tracking gain (higher fundamental wave than for low gain)



• Incorrect Examples (DC level changes more than on adjusted waveform)



Adjustment Location: CD main board (conductor side)



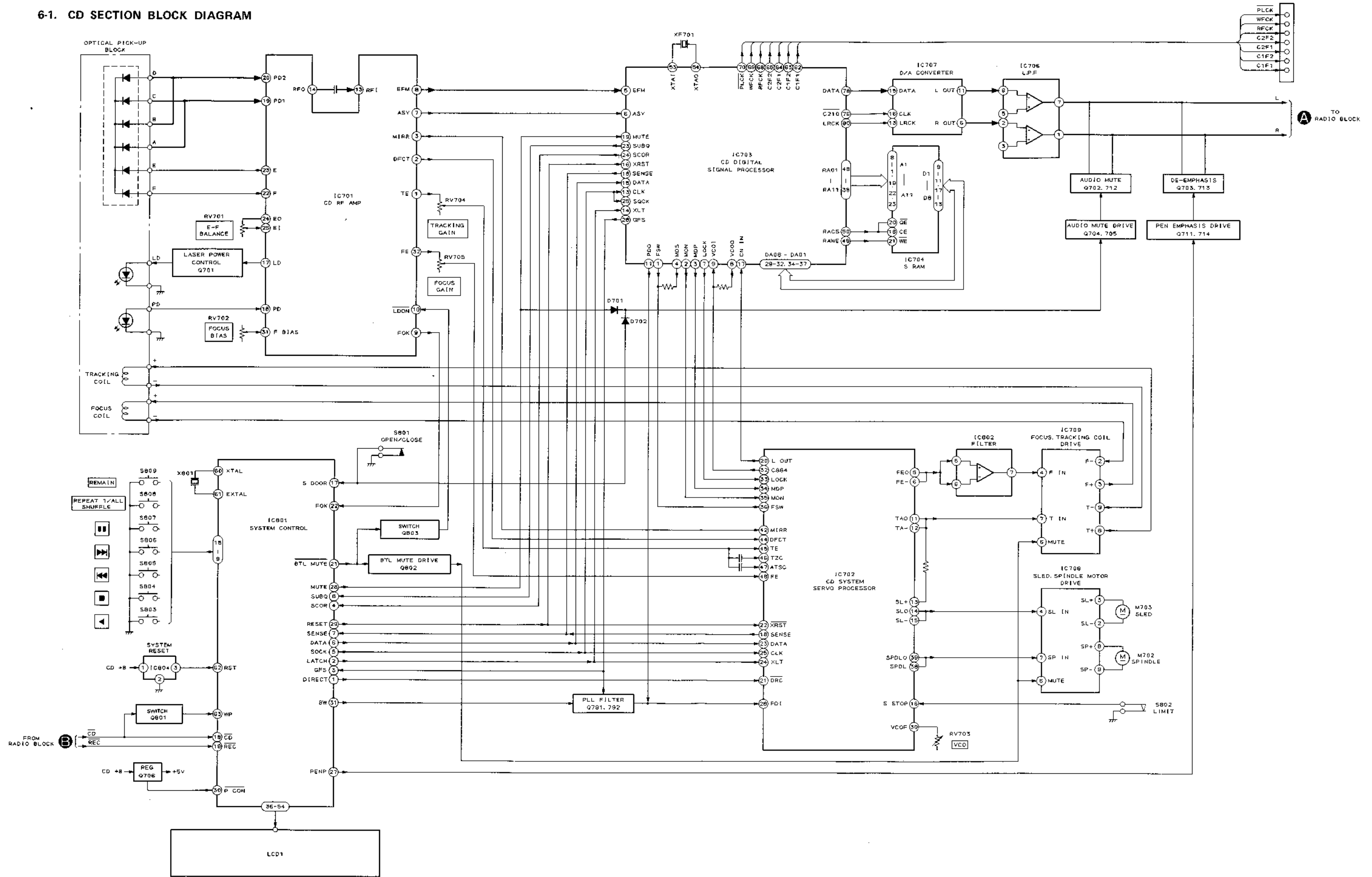
Remove the solder bridge while adjusting the focus gain. (After adjustment make the solder bridge.)*

Remove the solder bridge while adjusting the tracking gain. (After adjustment make the solder bridge.)*

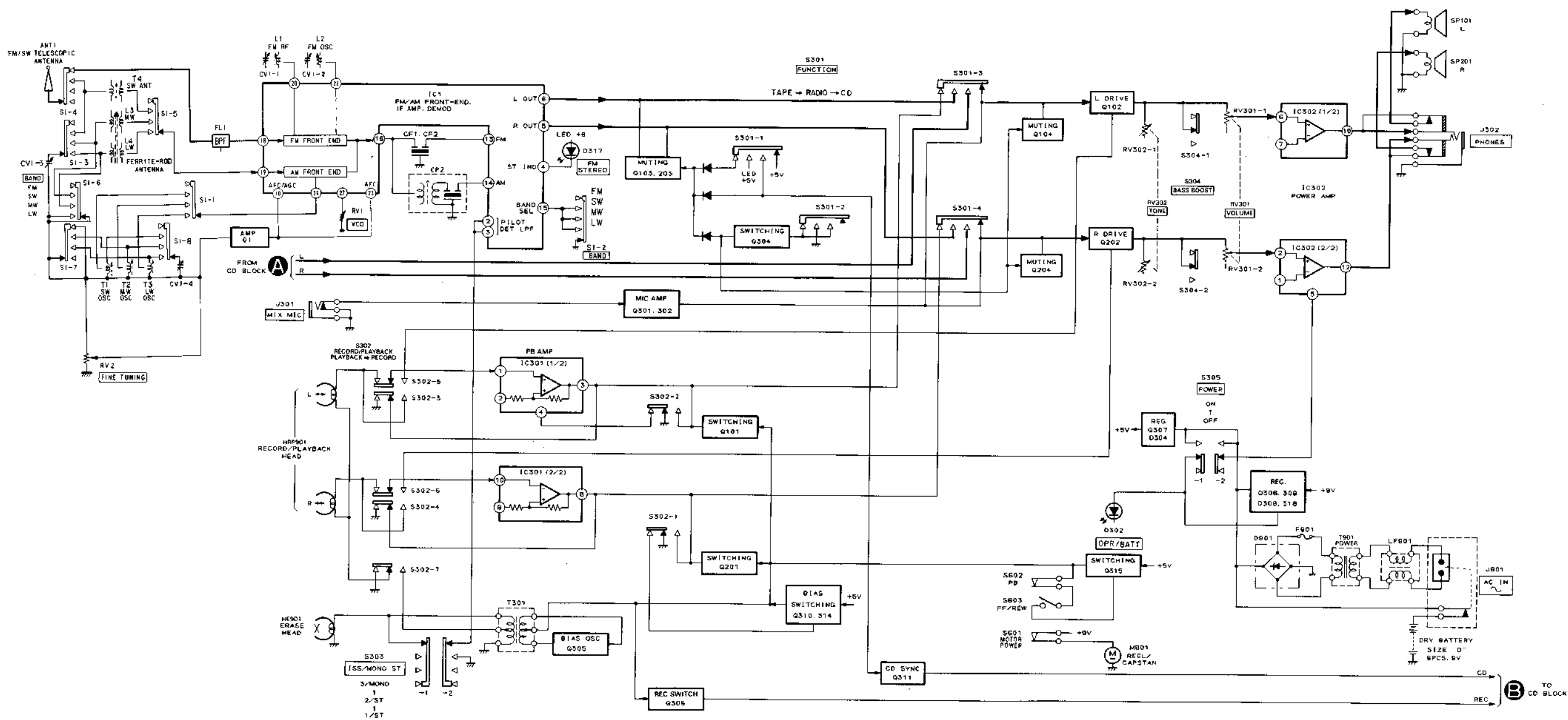
*: When a frequency response analyzer is used.

SECTION 6 DIAGRAMS

6-1. CD SECTION BLOCK DIAGRAM

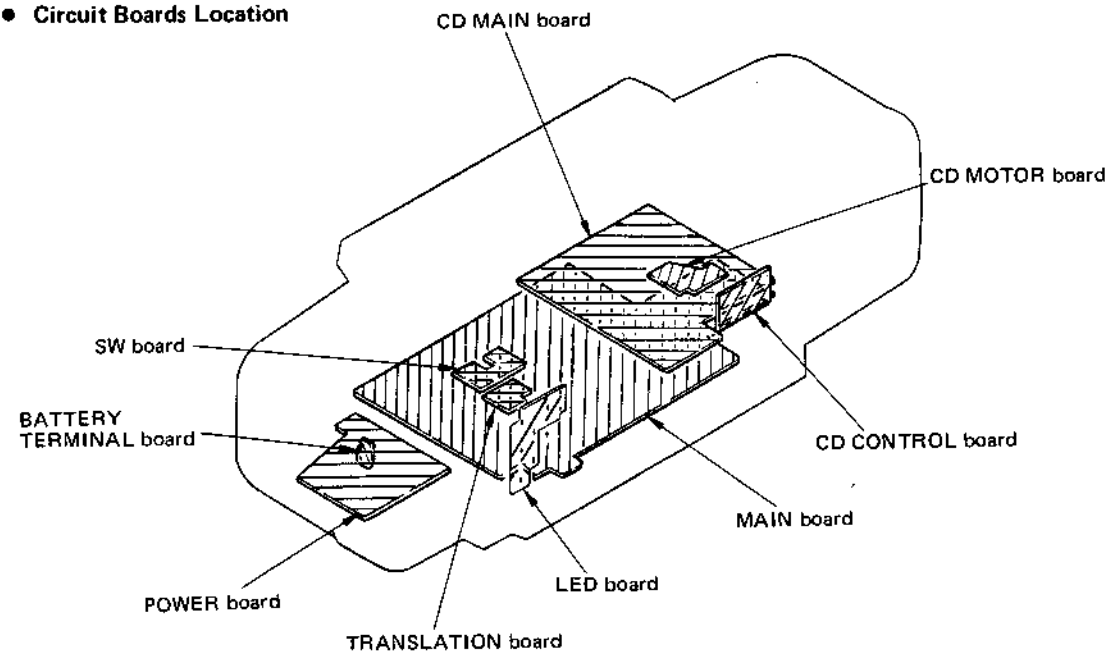


6-2. RADIO, AUDIO SECTION BLOCK DIAGRAM



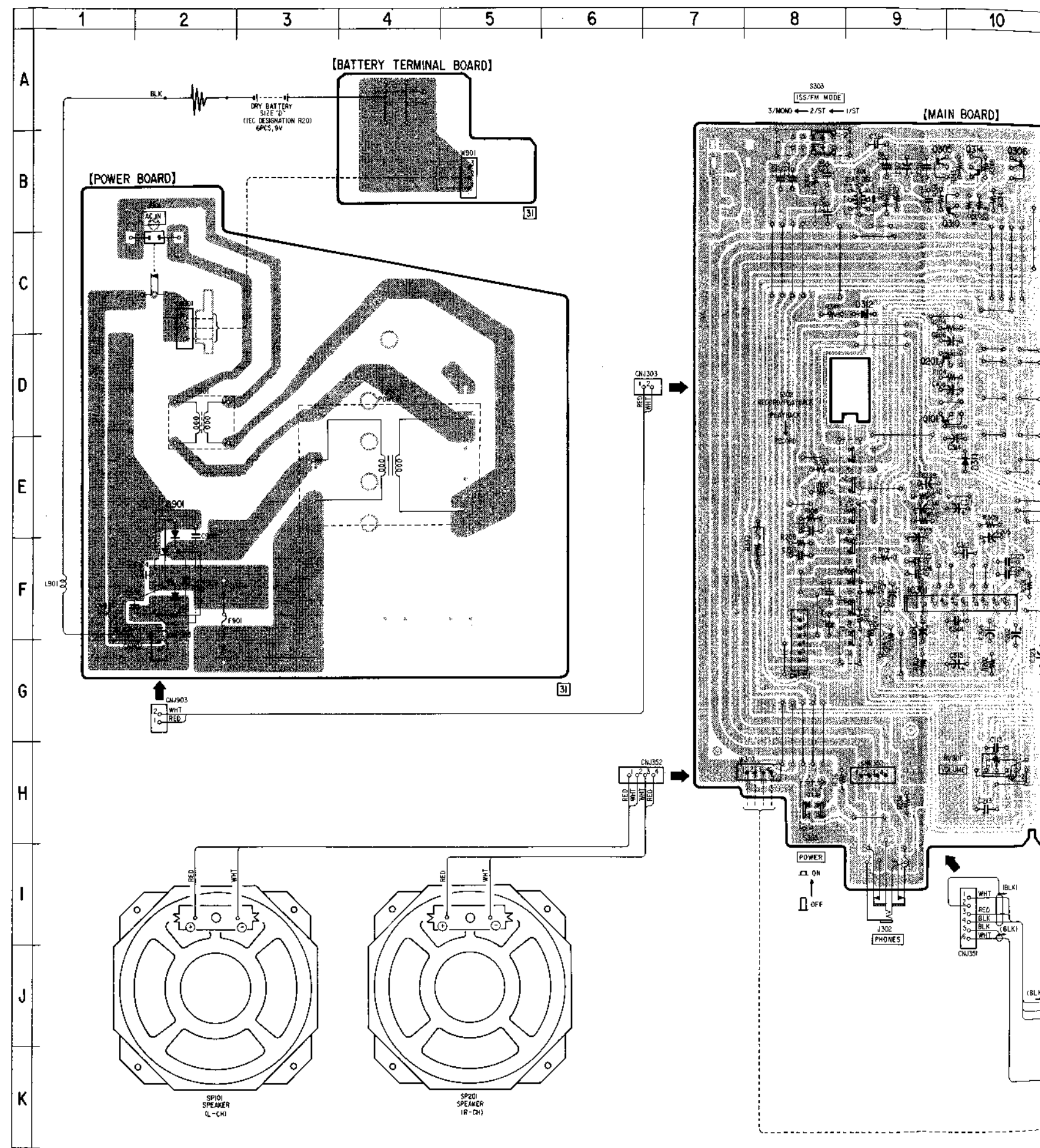
6-3. RADIO, AUDIO SECTION PRINTED WIRING BOARDS • See Page 24 for Semiconductor Lead Layouts.

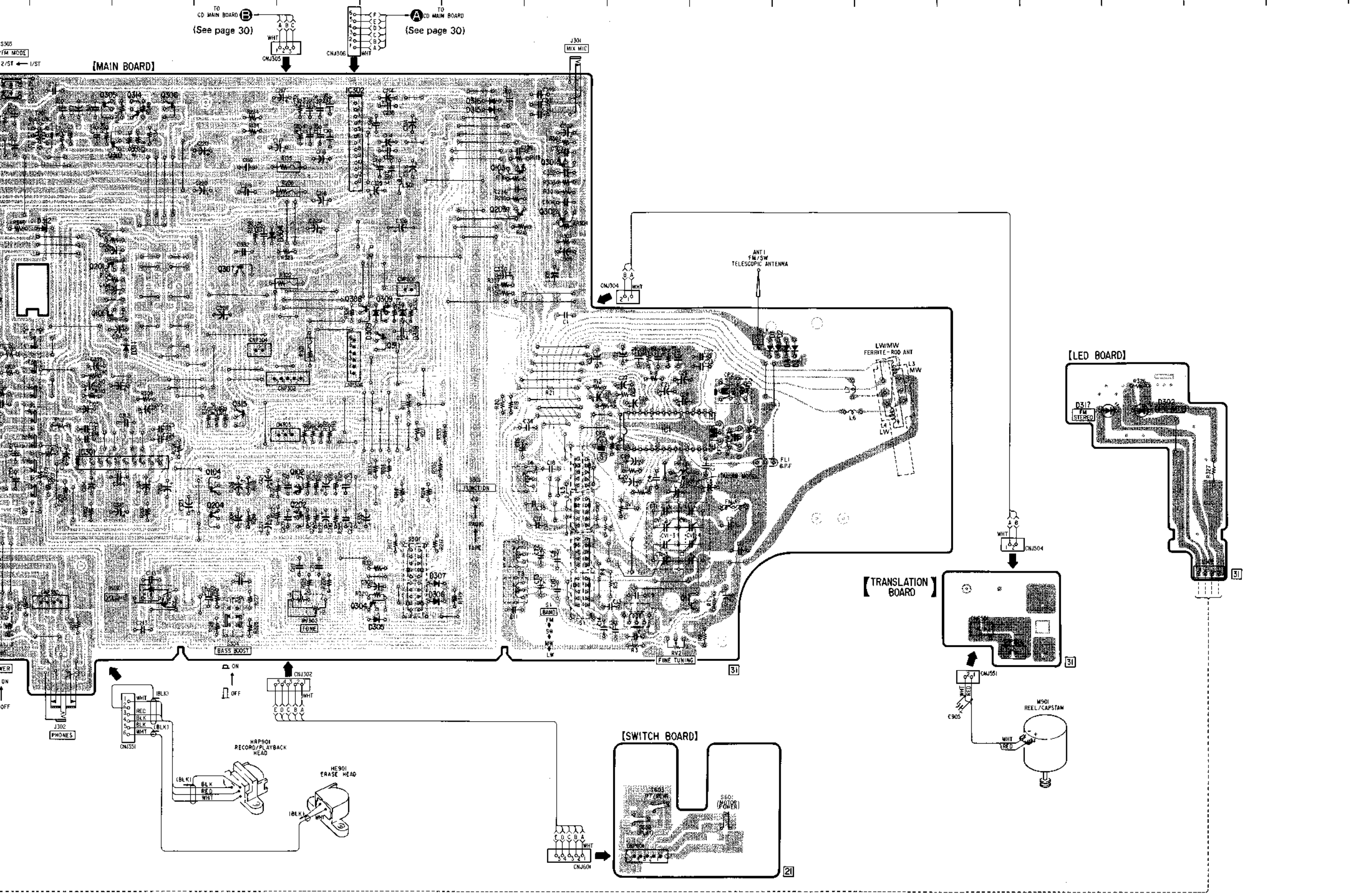
• Circuit Boards Location



• Semiconductor Location

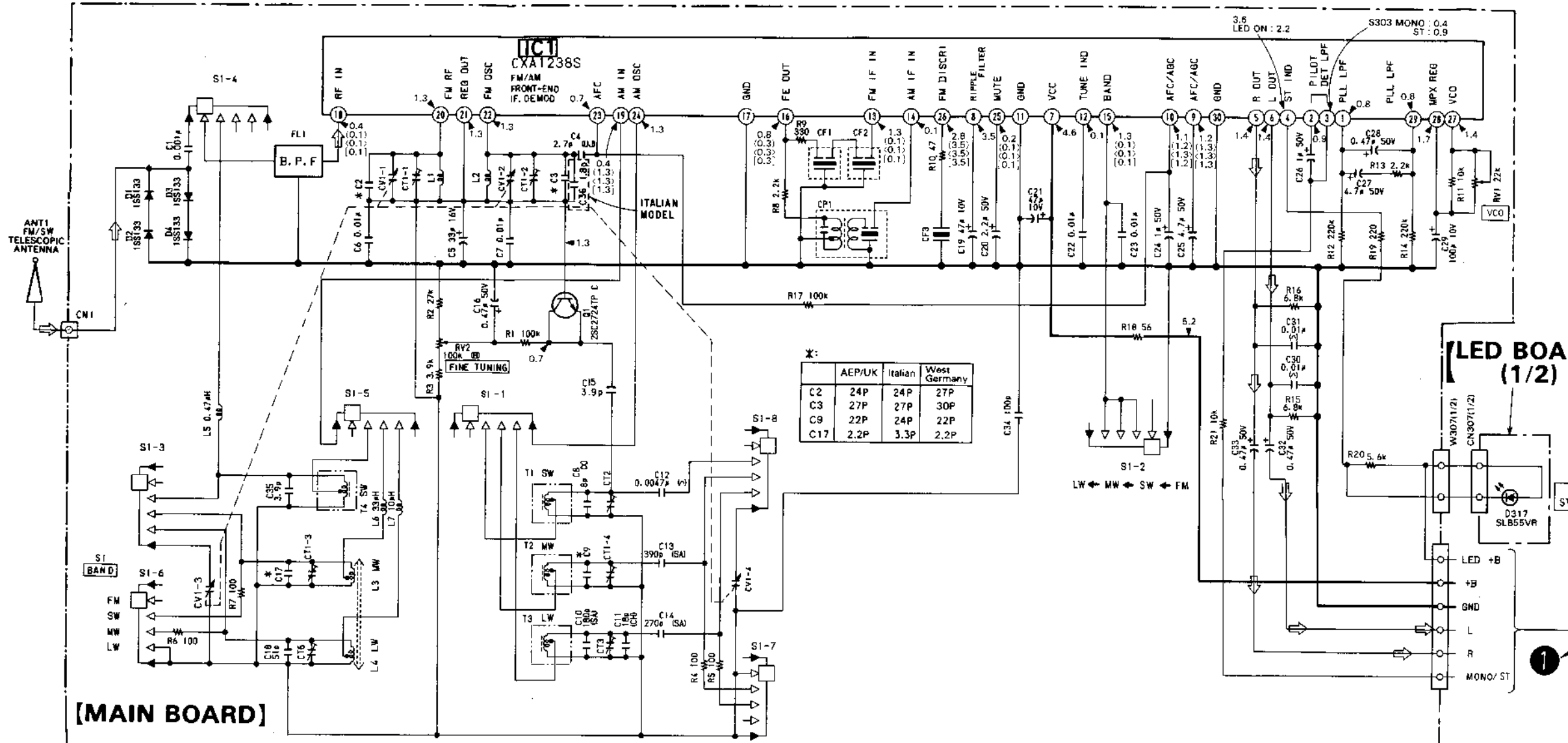
Ref. No.	Location
D1	E-18
D2	E-18
D3	E-18
D4	E-18
D302	E-22
D304	C-11
D305	H-13
D306	H-13
D307	H-13
D309	D-13
D311	E-10
D312	C-9
D315	B-14
D316	B-14
D317	F-22
D318	D-13
D901	F-2
IC1	F-16
IC301	F-10
IC302	B-12
Q1	H-16
Q101	D-10
Q102	F-12
Q103	C-14
Q104	F-11
Q201	D-10
Q202	G-12
Q203	C-14
Q204	G-11
Q301	C-15
Q302	C-15
Q304	H-13
Q305	B-9
Q306	B-10
Q307	D-11
Q308	D-13
Q309	D-13
Q310	B-10
Q311	E-13
Q314	B-10
Q315	F-11



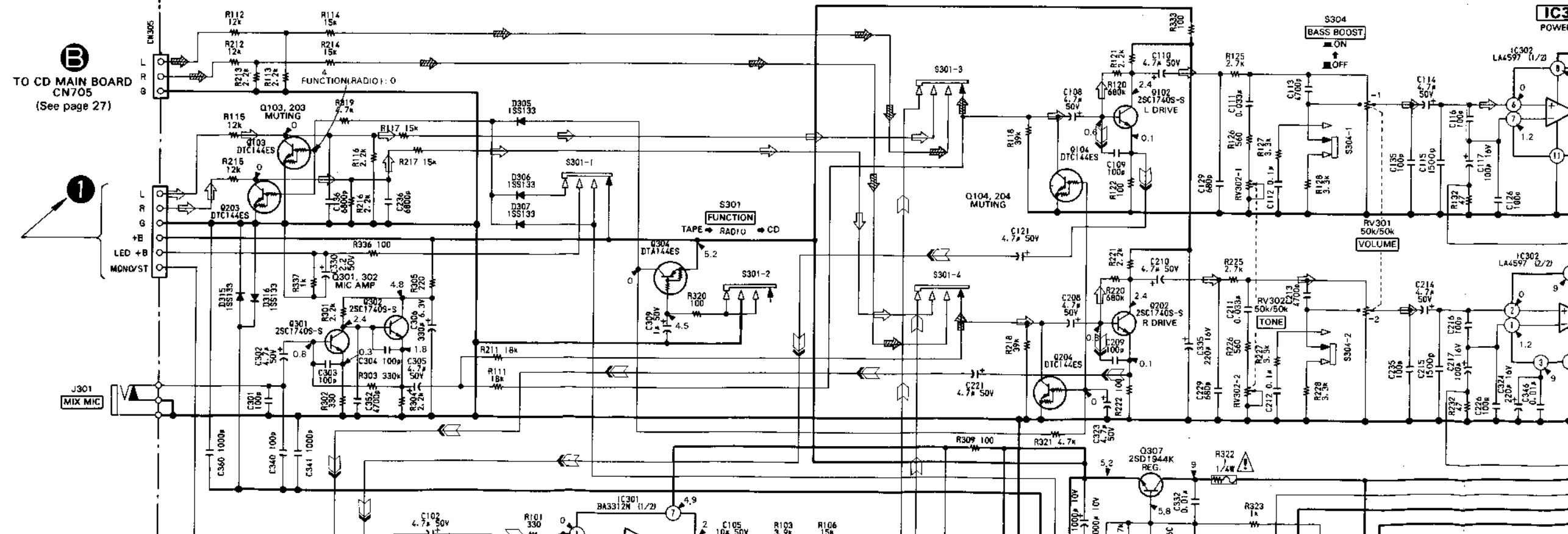


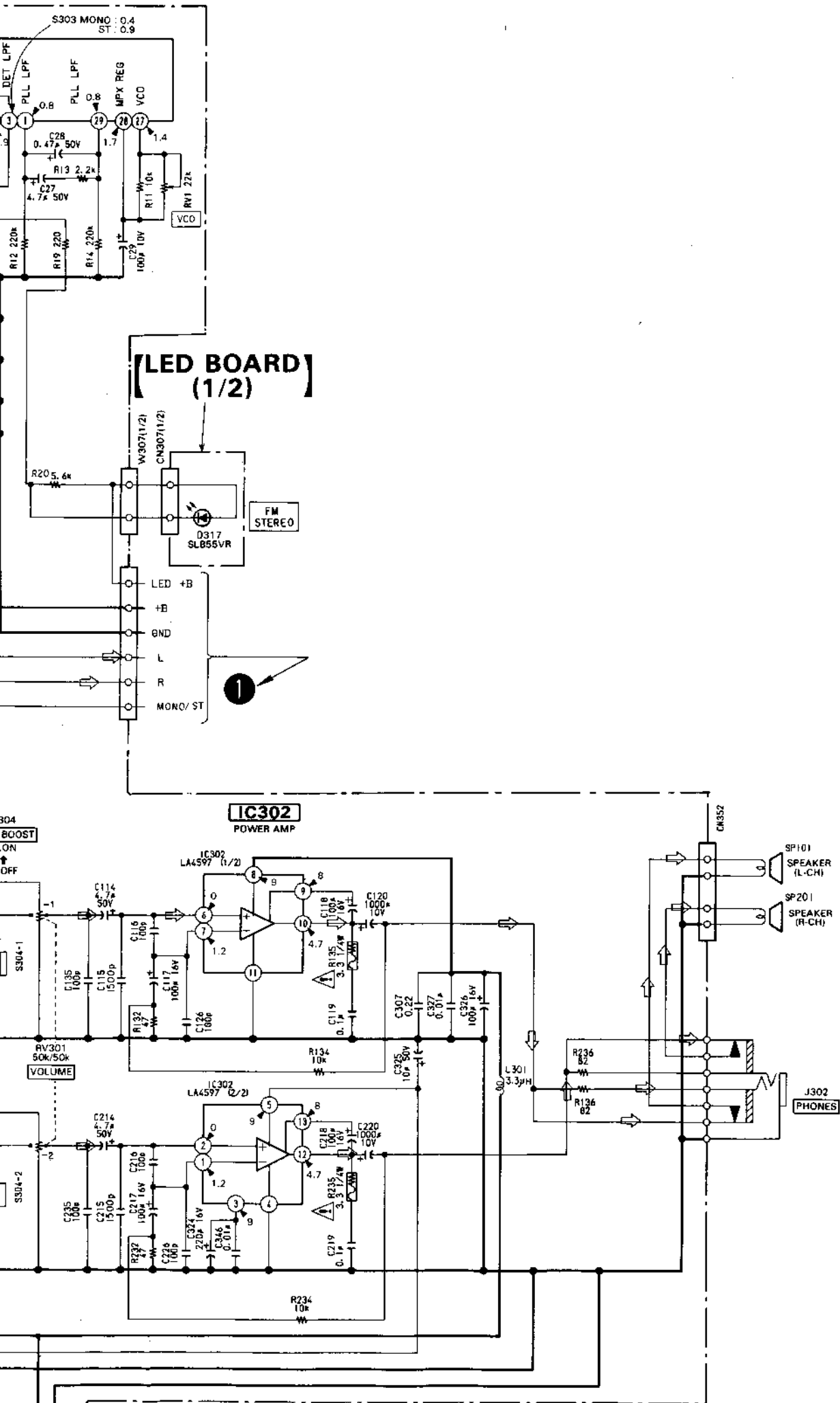
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

A
B
C
D
E
F
G
H
I
J
K



[LED BOARD (1/2)]

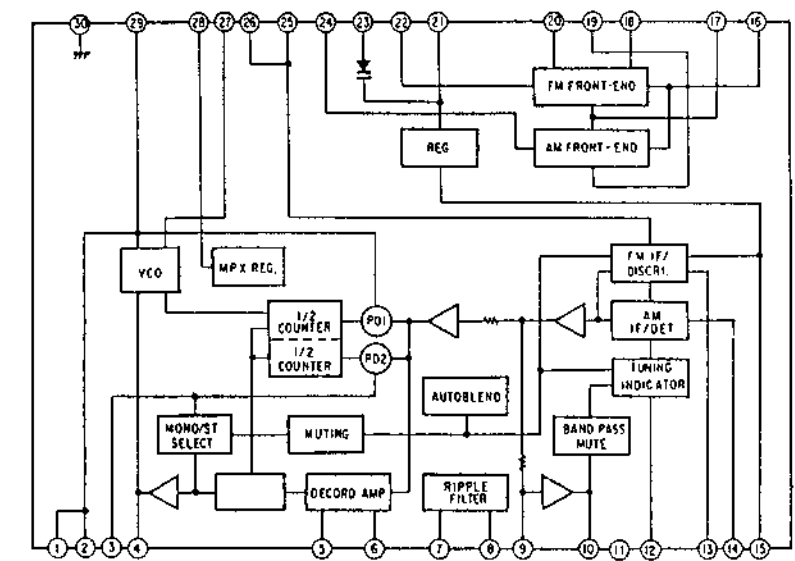




A
B
C
D
E
F
G
H
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● IC Block Diagram

IC1 CXA1238S



Note on Printed Wiring Boards:

- — : parts extracted from the component side.

Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. $\text{pF} = \mu\text{F} \times 10^{-6}$. 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.
- : fusible resistor.
- : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.

Radio section

- no mark: FM
- (): SW
- < >: MW
- []: LW

Tape section

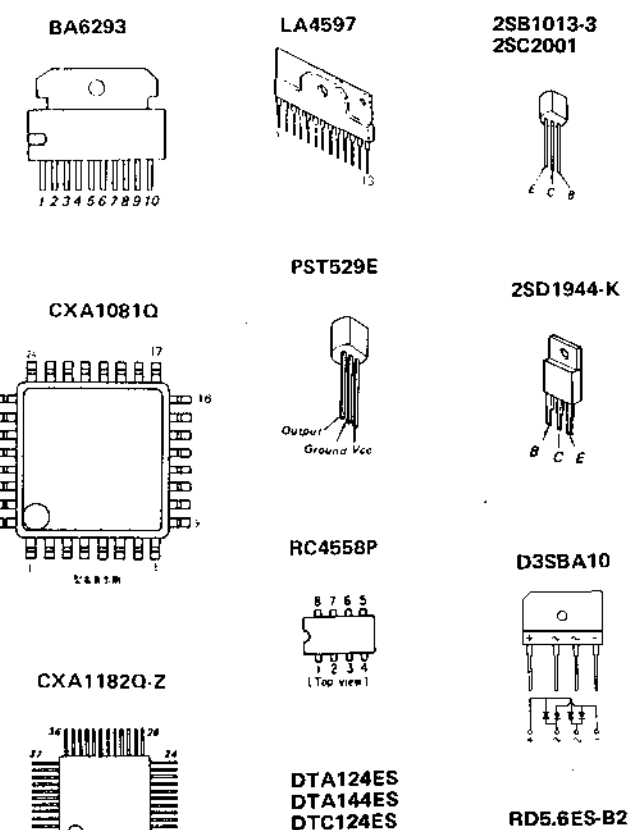
- no mark: PLAY
- (): REC

CD section

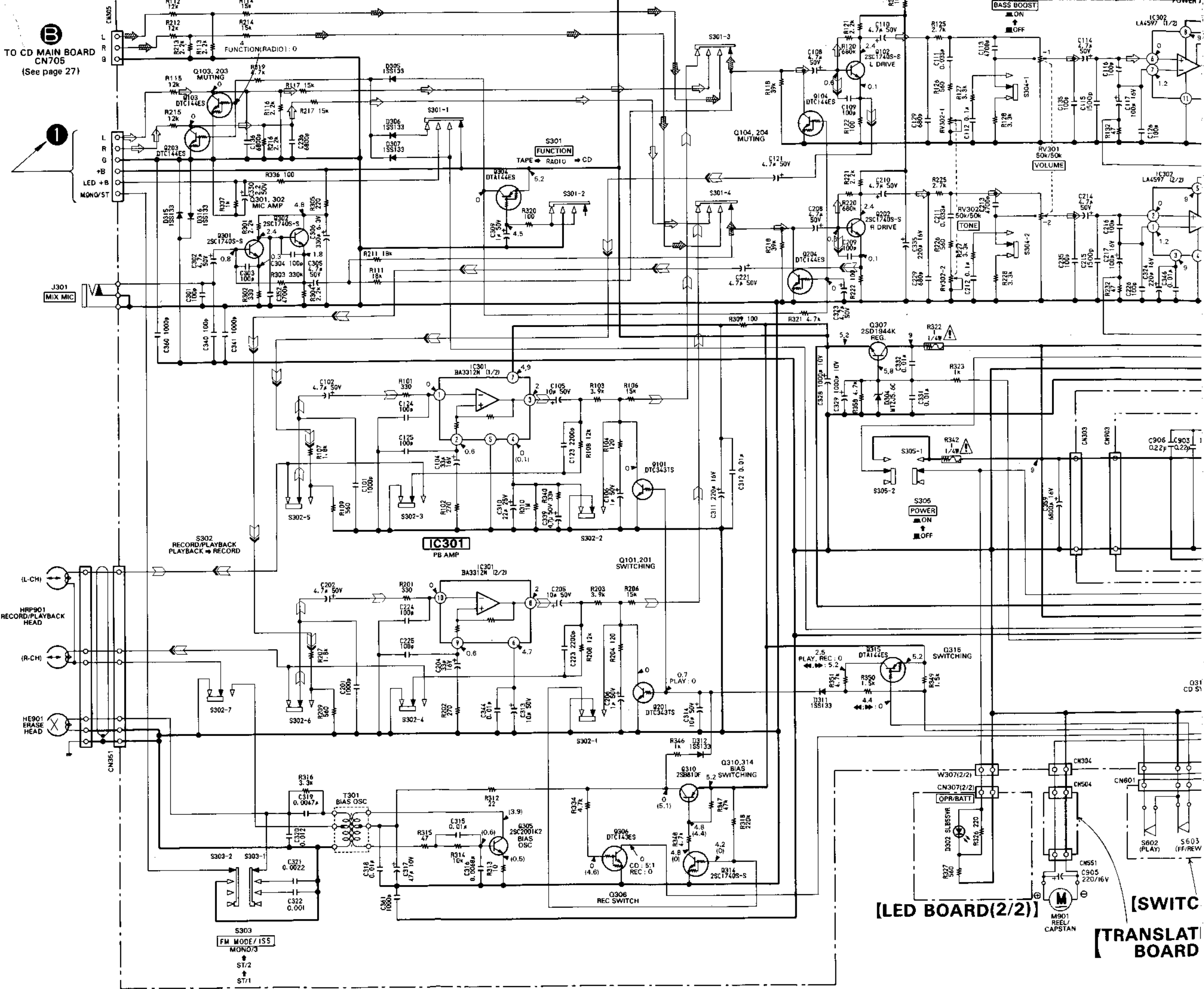
- no mark: STOP
- (): PLAY

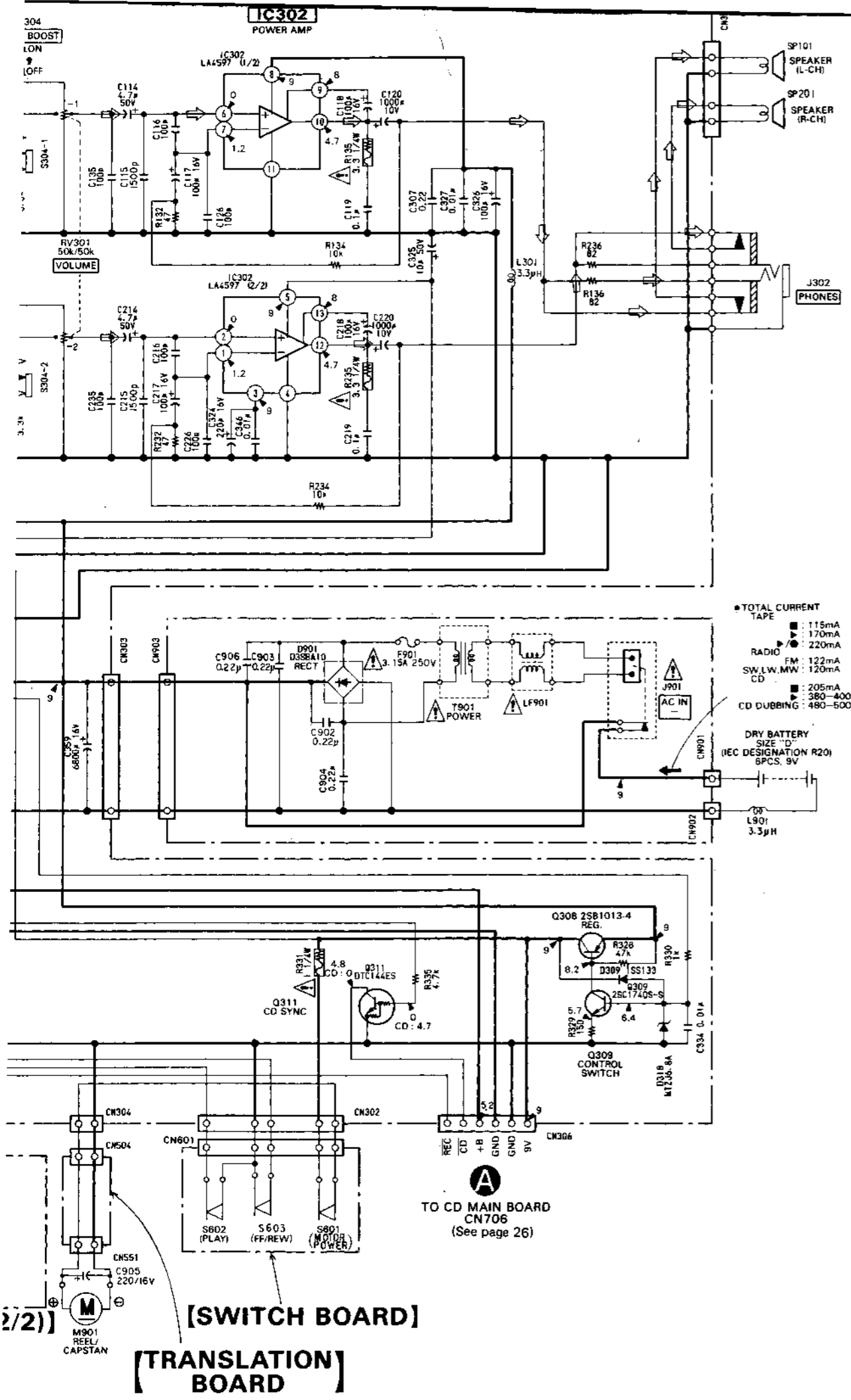
- Voltages are taken with a VOM (10 M Ω /V). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with an oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Signal path.
 - : FM
 - : PB
 - : REC
 - : CD

● Semiconductor Lead Layouts



TO CD MAIN BOARD
CN705
(See page 27)





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Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. pF : μF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}W$ or less unless otherwise specified.
- : fusible resistor.
- : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.

Radio section

- no mark: FM
- (): SW
- < >: MW
- []: LW

Tape section

- no mark: PLAY
- (): REC

CD section

- no mark: STOP
- { } : PLAY

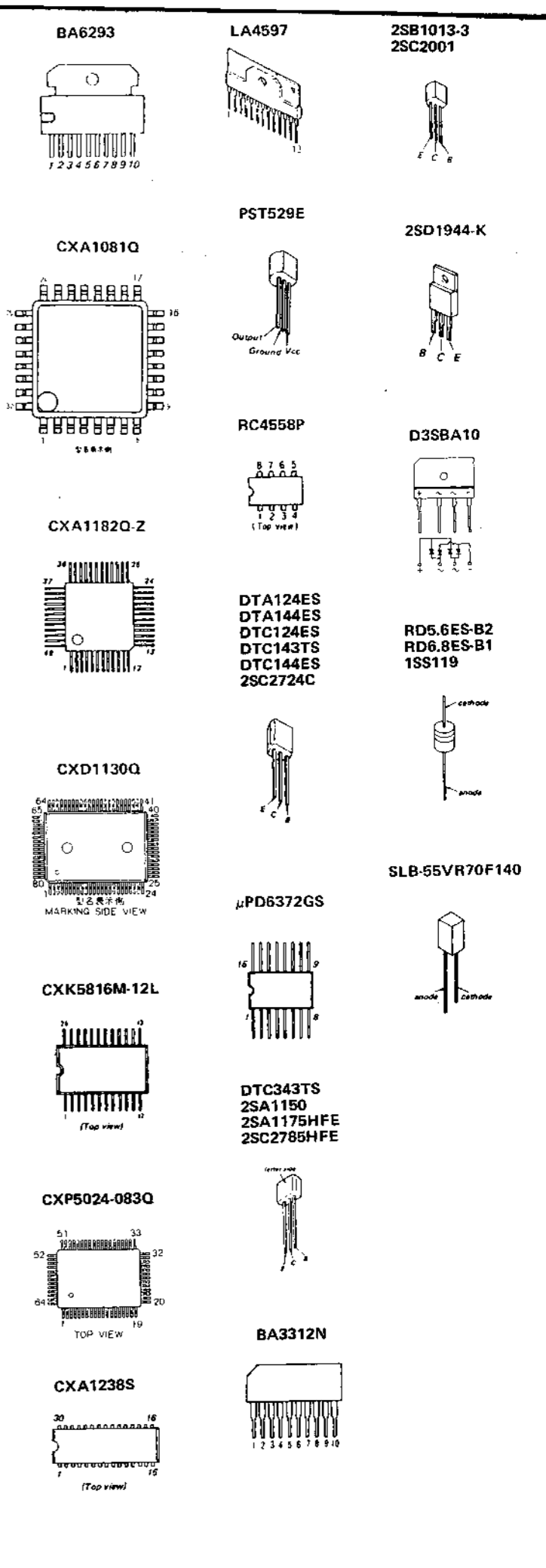
• Voltages are taken with a VOM (10 M Ω /V). Voltage variations may be noted due to normal production tolerances.

• Waveforms are taken with an oscilloscope. Voltage variations may be noted due to normal production tolerances.

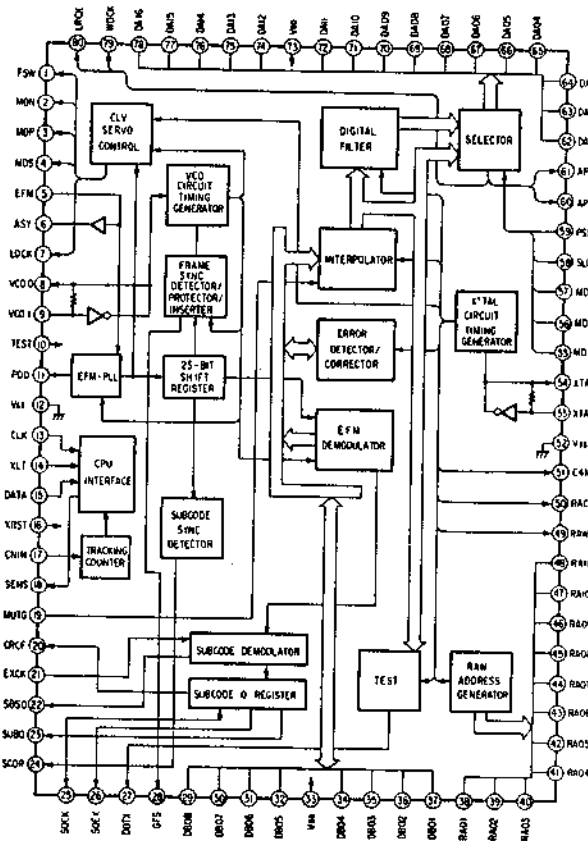
• Signal path.

- : FM
- : PB
- : REC
- : CD

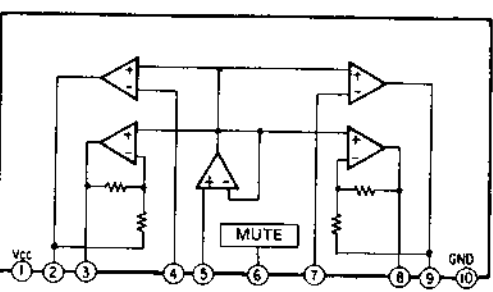
Note: The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.



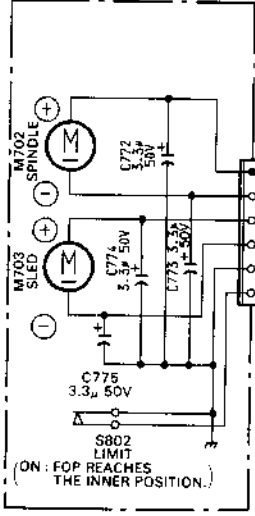
**IC703
CXD1130Q**



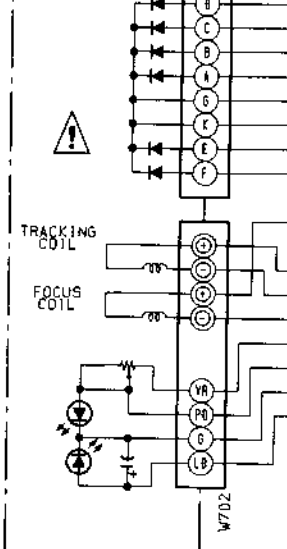
**IC708, 709
BA6293**



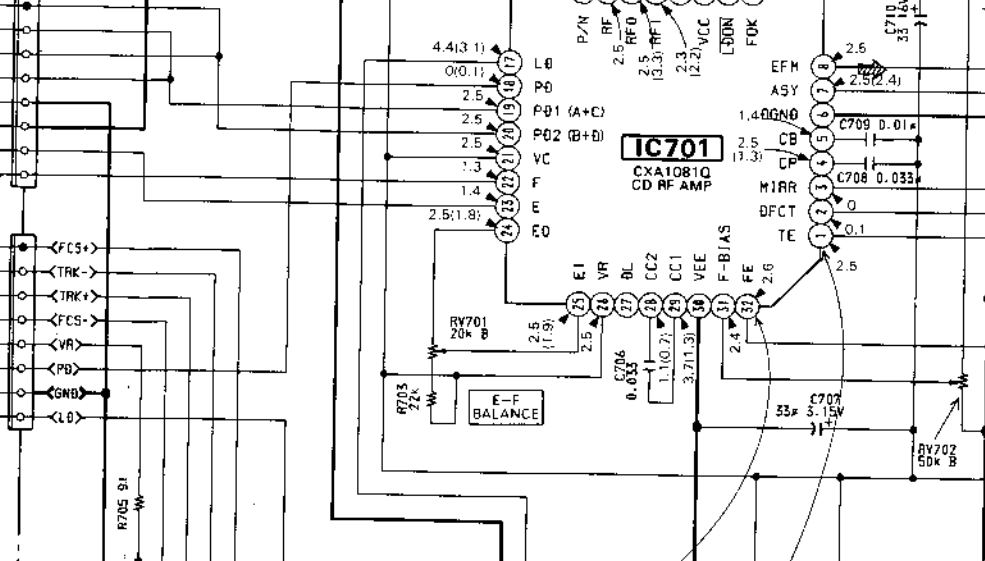
CD MOTOR BOARD



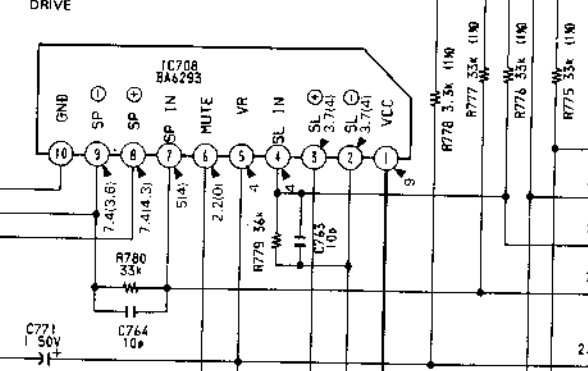
**OPTICAL PICK-UP BLOCK
(KSS-210B)**



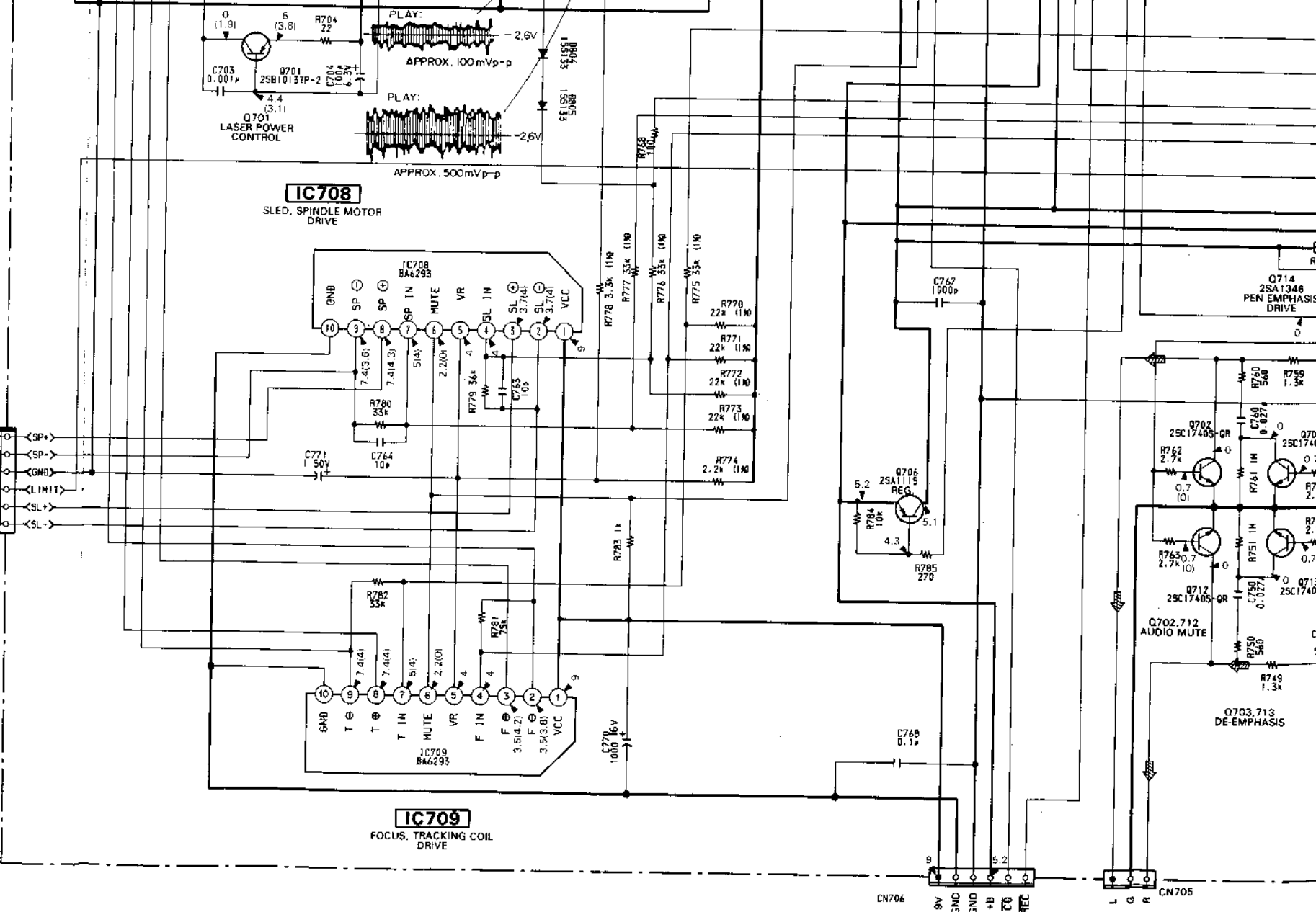
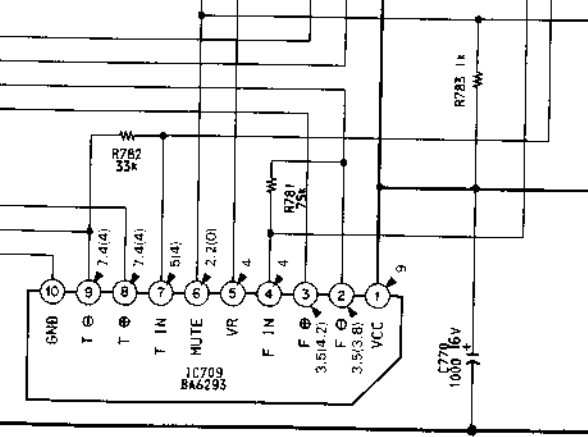
**IC701
CX1081Q
CD RF AMP**

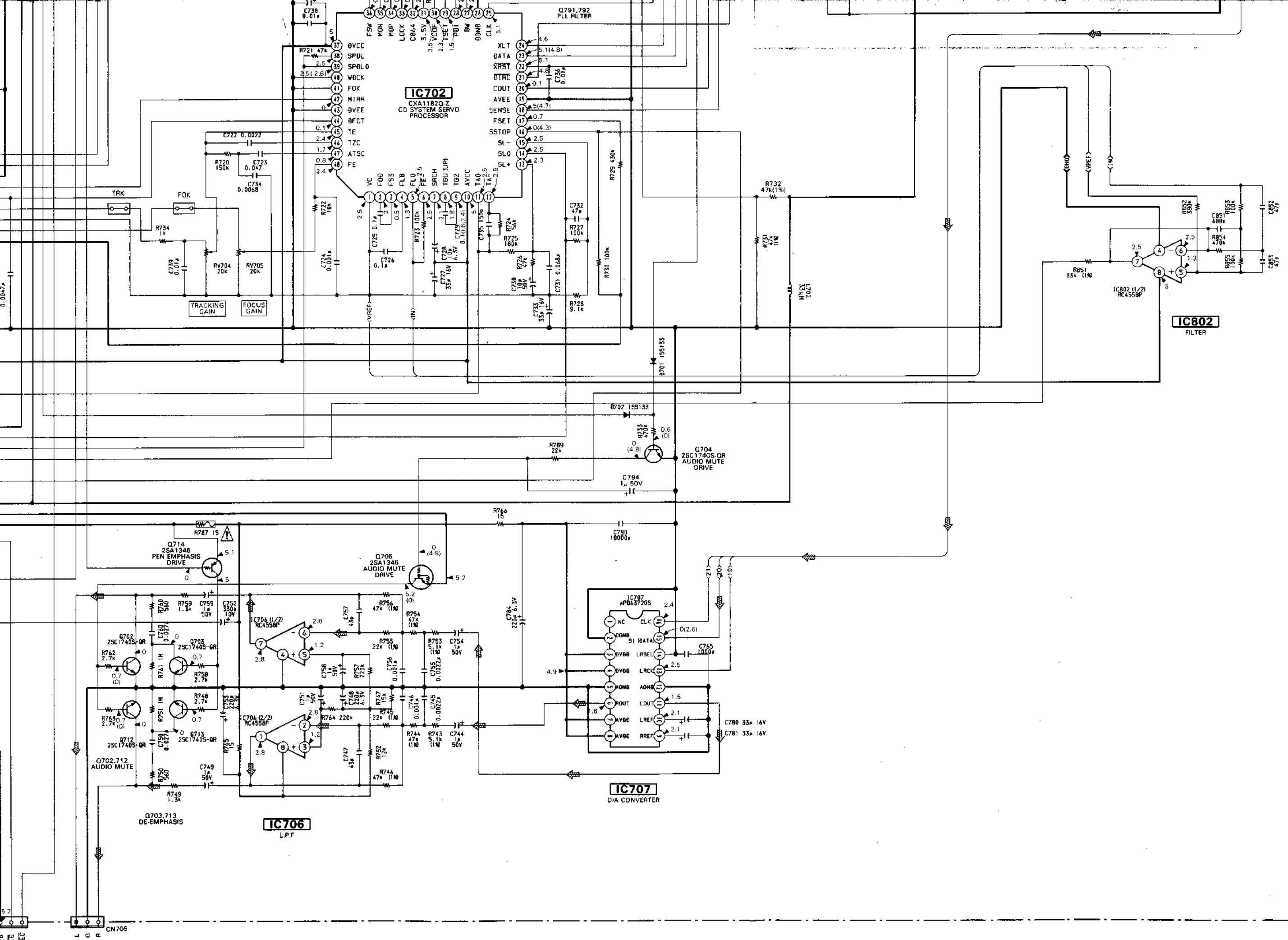


**IC708
SLED, SPINDLE MOTOR DRIVE**



**IC709
FOCUS, TRACKING COIL DRIVE**



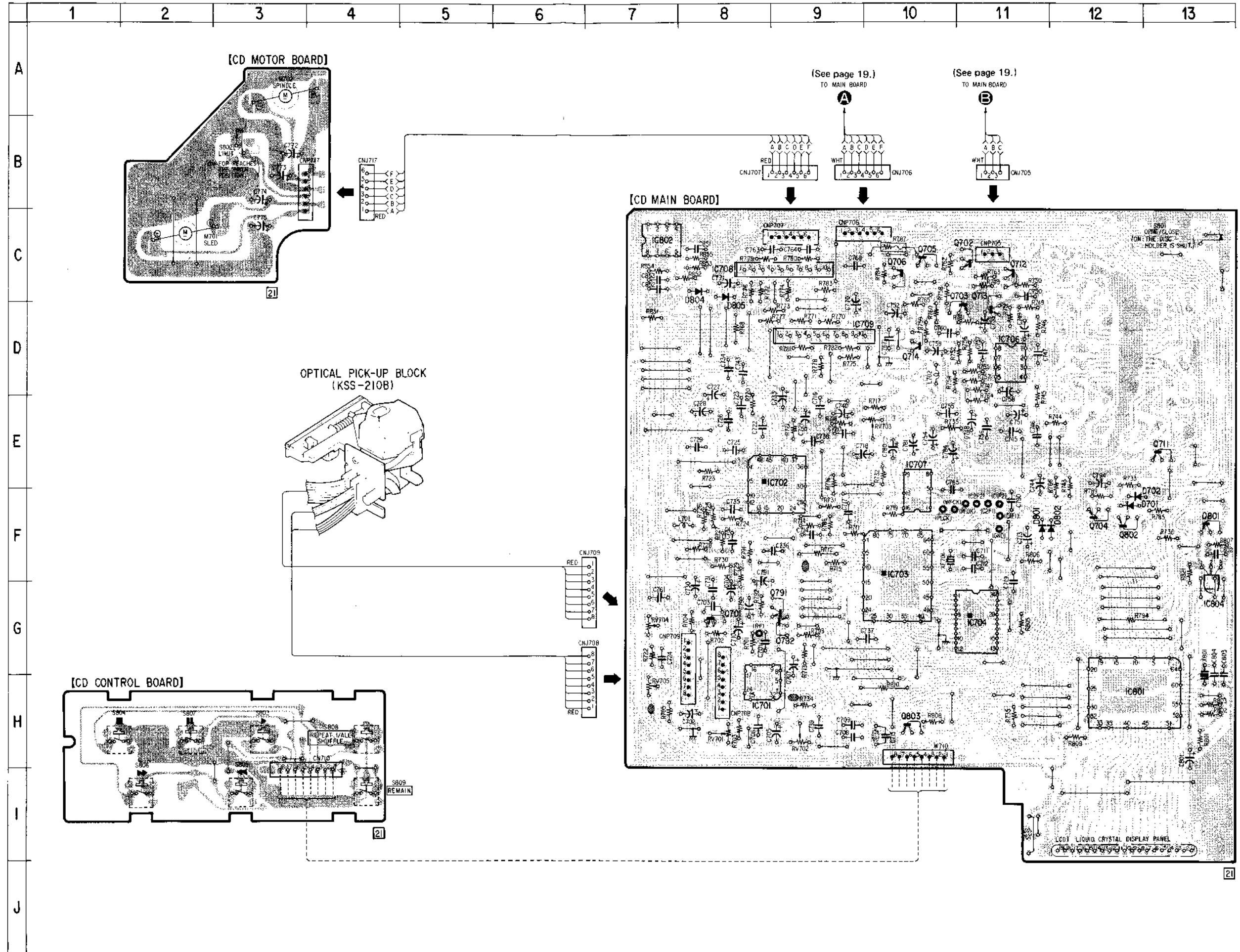


TO MAIN BOARD
CN305
(See page 21.)

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• Semiconductor Location

Ref. No.	Location
D701	F-12
D702	F-12
D801	F-11
D802	F-12
D804	C-8
D805	C-8
IC701	H-8
IC702	E-9
IC703	F-10
IC704	G-11
IC706	D-11
IC707	E-10
IC708	C-8
IC709	D-9
IC801	H-12
IC802	C-7
IC804	F-13
Q701	G-8
Q702	C-11
Q703	D-11
Q704	F-12
Q705	C-10
Q706	C-10
Q711	E-13
Q712	C-11
Q713	D-11
Q714	D-10
Q791	G-9
Q792	G-9
Q801	F-13
Q802	F-12
Q803	H-10





SECTION 7 EXPLODED VIEWS

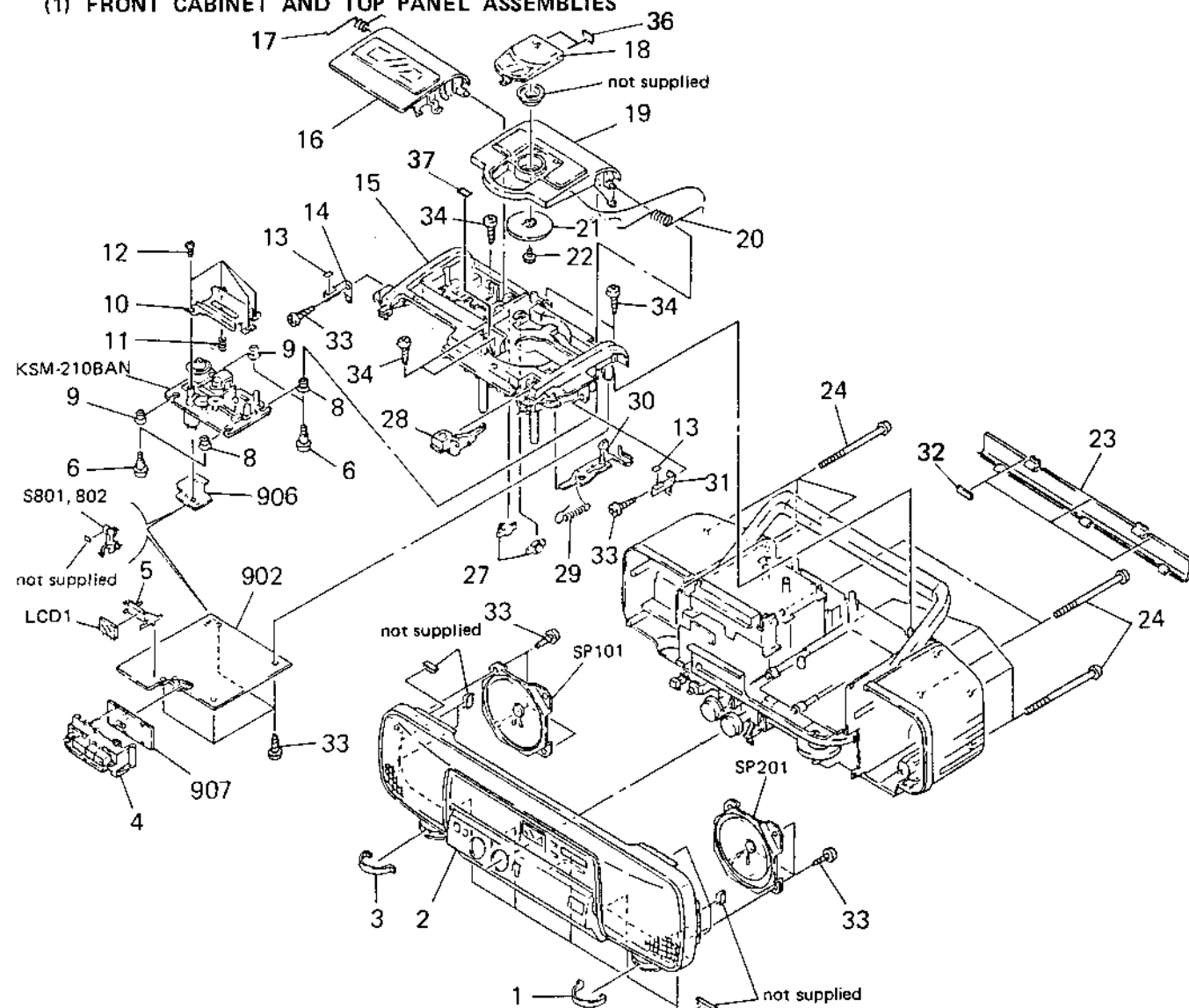
NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts Example:
(RED) ... KNOB, BALANCE (WHITE)
↑ Cabinet's Color ↑ Parts' Color

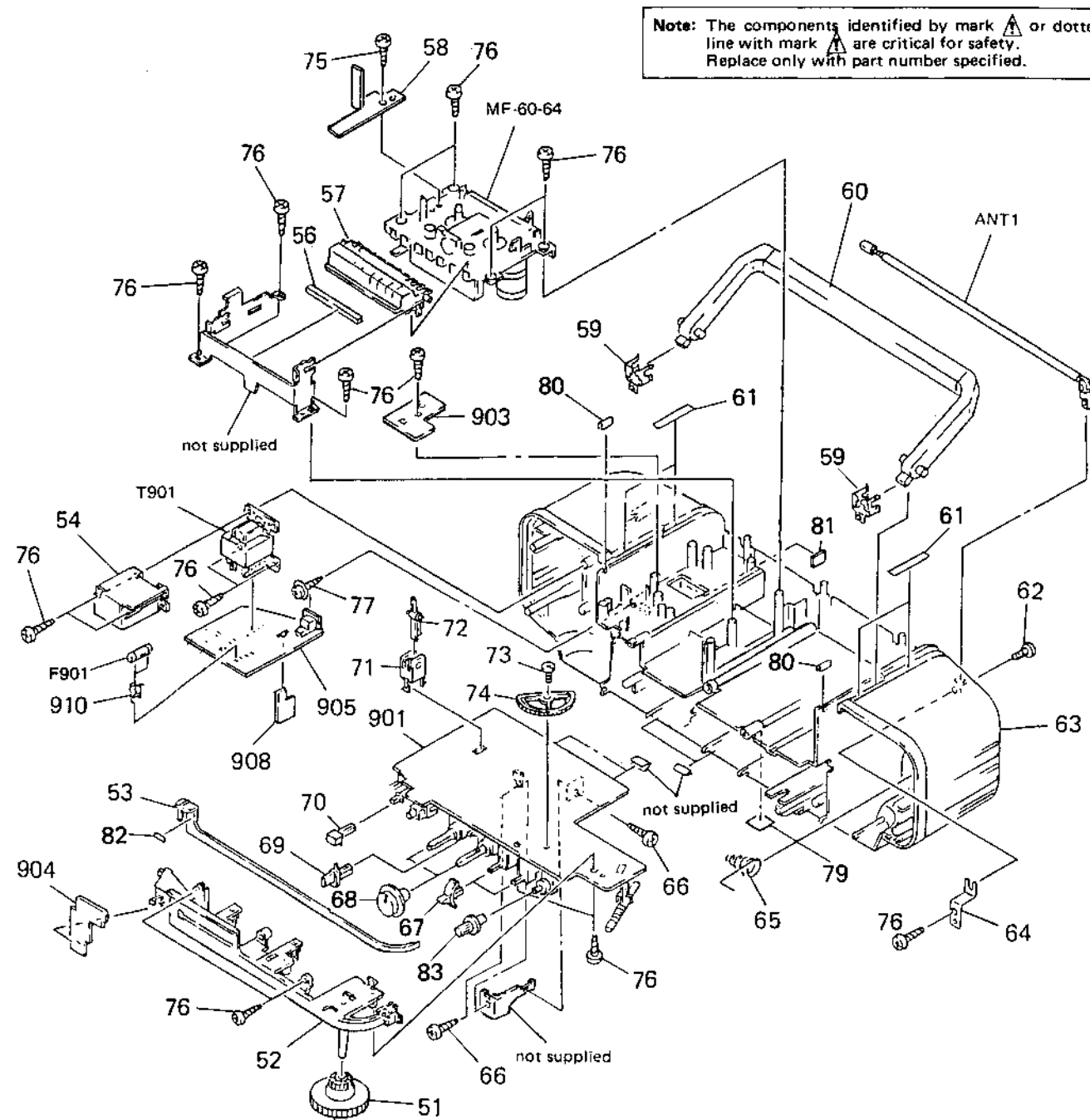
The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.



(1) FRONT CABINET AND TOP PANEL ASSEMBLIES



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
1	4-931-331-01	FOOT (RIGHT), ORNAMENTAL		21	3-704-435-01	PLATE (M), CHUCK	
2	X-4919-965-1	(Italian).....CABINET (FRONT) ASSY		22	7-621-772-00	SCREW +B 2X3	
	X-4919-968-1	(AEP,UK).....CABINET (FRONT) ASSY		23	4-931-307-01	LID, BATTERY CASE	
	X-4919-969-1	(West Germany).....CABINET (FRONT) ASSY		24	4-918-246-01	SCREW (3X70), + BVTP	
3	4-931-330-01	FOOT (LEFT), ORNAMENTAL		27	3-319-224-31	DAMPER, SMALL	
4	4-931-305-01	BUTTON, CD		28	4-931-311-01	BUTTON (CD), EJECT	
5	*4-931-332-01	BRACKET, LCD		29	3-543-985-11	SPRING, TENSION	
6	4-931-373-01	SCREW, CD FITTING		30	4-931-312-01	LEVER (CD), EJECT	
8	4-922-858-01	DAMPER		31	4-931-372-01	PLATE, REINFORCEMENT (R)	
9	4-922-858-11	DAMPER		32	4-931-375-01	SPACER (M)	
10	*4-928-936-01	COVER, CD		33	7-685-648-79	SCREW, TAPPING +BV 3X12	
11	4-931-258-01	SPRING		34	3-325-679-71	SCREW, TAPPING +BV 3X12	
12	7-685-104-19	SCREW +P 2X6 TYPE2 NON-SLIT		36	*4-931-379-01	SPACER (Y)	
13	3-647-028-01	CUSHION, RUBBER		37	4-931-377-01	SPACER (S)	
14	4-931-371-01	PLATE, REINFORCEMENT (L)		902	*A-3260-940-A	MOUNTED PCB, MAIN, CD	
15	4-931-346-31	CABINET (UPPER)		906	*1-630-625-11	PC BOARD, CD MOTOR	
16	X-4921-241-1	LID (O.W) ASSY, CASSETTE		907	*1-630-626-11	PC BOARD, CD CONTROL	
17	4-931-390-01	SPRING (45)		LCD1	1-808-726-11	DISPLAY PANEL, LIQUID CRYSTAL	
18	4-931-313-01	WINDOW, CD		S801	1-571-936-11	SWITCH, LEAF (OPEN/CLOSE)	
19	X-4919-960-1	LID ASSY, CD		S802	1-571-936-11	SWITCH, LEAF (LIMIT)	
20	4-931-335-01	SPRING (CD)		SP101	1-544-148-21	SPEAKER	
				SP201	1-544-148-21	SPEAKER	

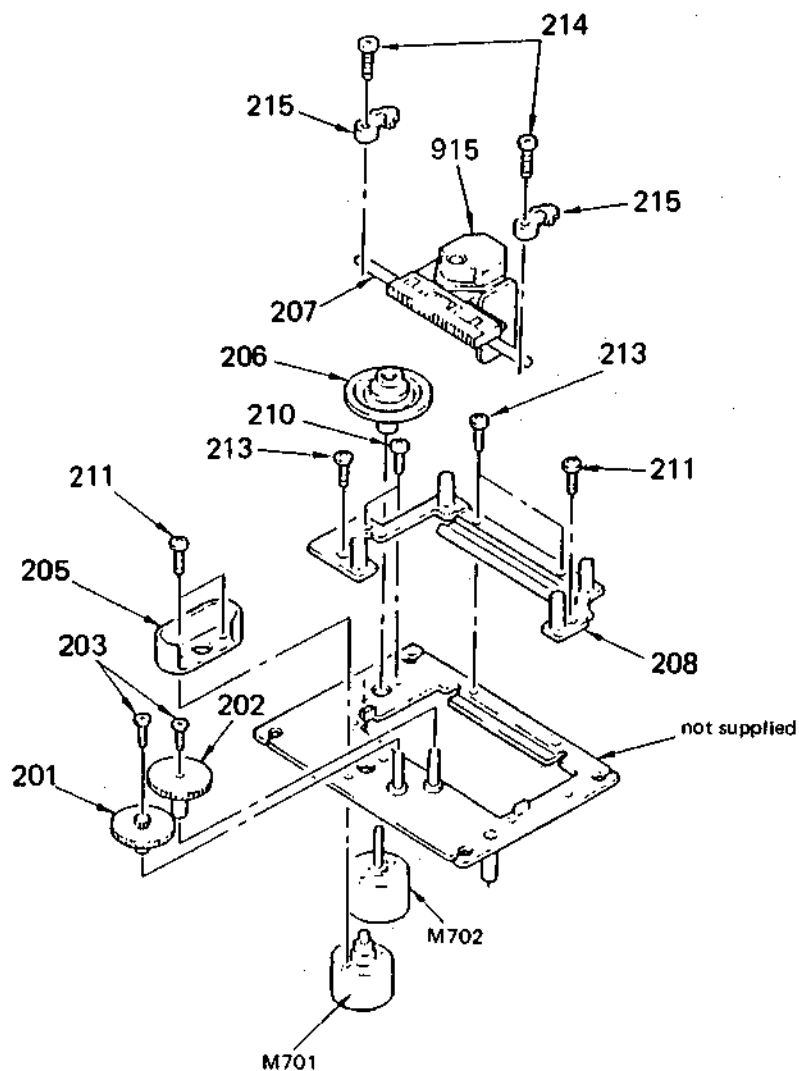
(2) REAR CABINET ASSEMBLY





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

No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
51	4-931-314-01	KNOB (TUNING)		75	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT	
52	*4-931-347-01	CHASSIS (TU)		76	7-685-648-79	SCREW, TAPPING +BV 3X12	
53	4-931-318-01	RACK, POINTER		77	7-685-647-79	SCREW (+ PTP DIA.12 WH 3)	
54	*4-931-384-01	PLATE, SHIELD, TRANSFORMER		79	*4-931-395-01	(Italian).....LABEL, MODEL NUMBER	
56	4-931-370-11	CUSHION (P)			*4-931-364-01	(AEP).....LABEL, MODEL NUMBER	
57	X-4921-239-1	BUTTON (M) ASSY			*4-931-365-01	(West Germany).....LABEL, MODEL NUMBER	
58	4-931-349-01	SPRING			*4-931-367-01	(UK).....LABEL, MODEL NUMBER	
59	*4-931-342-01	BRACKET, HANDLE		80	4-931-375-01	SPACER (M)	
60	4-931-306-01	HANDLE		81	4-931-376-01	SPACER (N)	
61	4-359-697-01	CUSHION (F)		82	*4-931-379-01	SPACER (Y)	
62	7-682-548-04	SCREW +B 3X8		83	4-931-374-01	KNOB (FINE TUNING)	
63	4-931-344-41	CABINET (REAR)		901	*A-3260-987-A	(West Germany).....MOUNTED PCB, MAIN	
64	*4-931-340-01	TERMINAL BOARD, ANTENNA			*A-3260-988-A	(AEP,UK).....MOUNTED PCB, MAIN	
65	4-931-339-01	SPRING			*A-3260-994-A	(Italian).....MOUNTED PCB, MAIN	
66	7-685-646-79	SCREW +BVTP 3X8 TYPE2		903	*1-630-913-31	PC BOARD, TRANSLATION	
67	3-323-803-11	KNOB, BAND SELECTION		904	*1-630-473-31	PC BOARD, LED	
68	4-931-315-01	KNOB (VOLUME)		905	*1-630-475-31	PC BOARD, POWER	
69	4-931-310-01	KNOB (BASS)		908	*1-630-629-31	PC BOARD, BATTERY TERMINAL	
70	4-931-316-01	KNOB (POWER)		910	1-533-217-31	HOLDER, FUSE	
71	*4-931-320-01	BRACKET (REC)		ANT1	1-501-378-11	ANTENNA, TELESCOPIC	
72	4-931-319-01	LEVER (REC)		F901	1-532-237-00	FUSE, TIME-LAG T3.15A 250V	
73	7-621-770-67	SCREW +B 2.6X6		T901	1-449-773-11	(AEP,West Germany,Italian).....TRANSFORMER, POWER	
74	*4-931-322-01	GEAR, VC		T901	1-449-774-11	(UK).....TRANSFORMER, POWER	

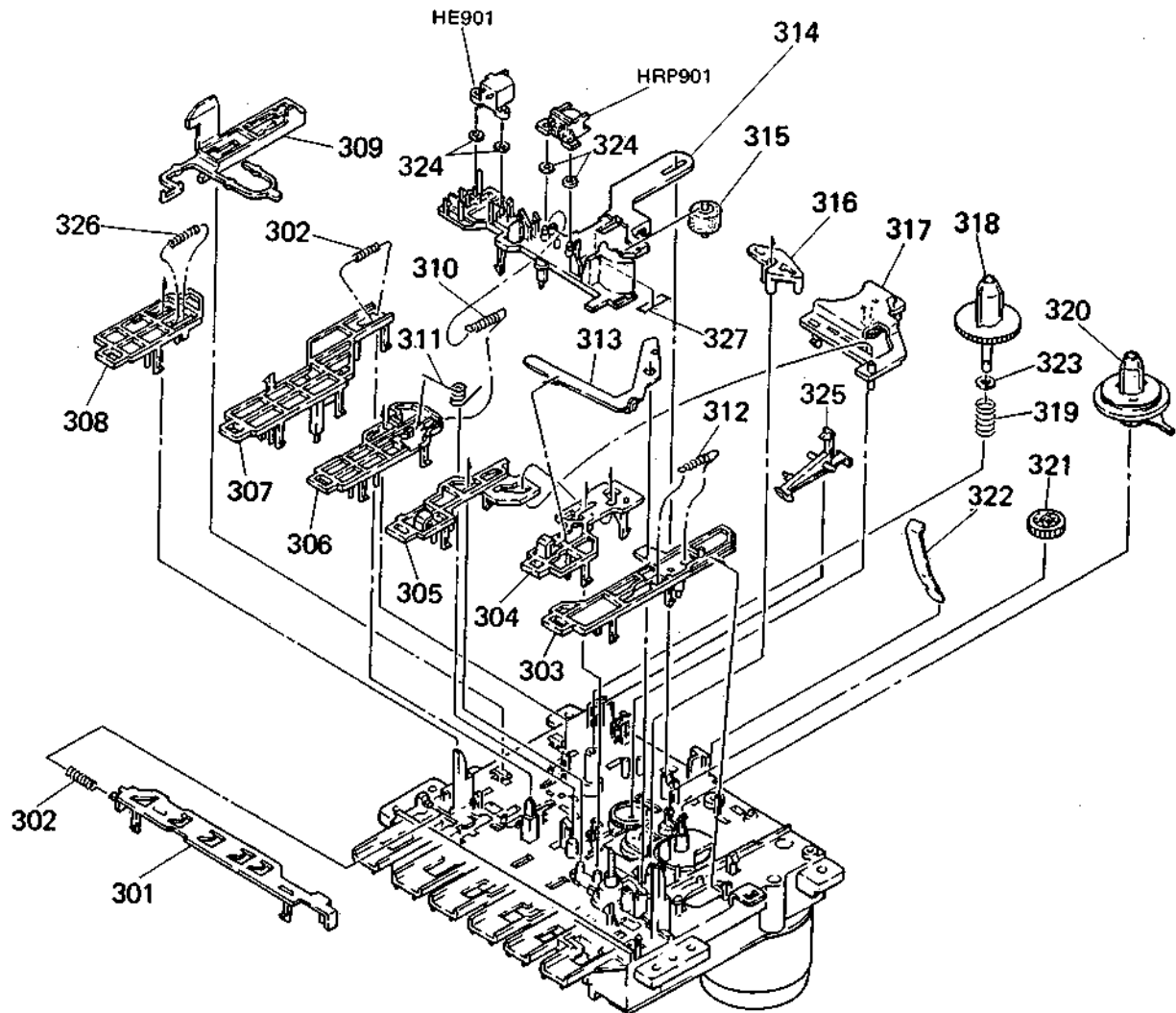
(3) OPTICAL PICK-UP BLOCK
(KSM-210BAN)



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
201	2-641-403-05	GEAR (B)		211	7-621-255-25	SCREW +P 2X4	
202	2-641-404-02	GEAR (A)		213	7-621-255-45	SCREW +PTT 2X6 (S)	
203	3-303-809-31	SCREW (M1.7X3.0), SPECIAL HEAD		214	2-641-447-01	SCREW (2.6X8), + STP	
205	*2-641-434-01	COVER, GEAR		215	2-641-448-02	CLAMP, SHAFT	
206	X-2640-771-1	TURNTABLE ASSY		915	△ 8-848-137-11	DEVICE, OPTICAL KSS-210B	
207	*4-910-431-01	SHAFT, SLIDE		M701	X-2640-770-1	MOTOR ASSY, SLED (WITH GEAR)	
208	2-641-444-01	HOLDER (J), CHASSIS		M702	1-541-352-11	MOTOR (SPINDLE)	
210	7-621-255-15	SCREW +P 2X3					

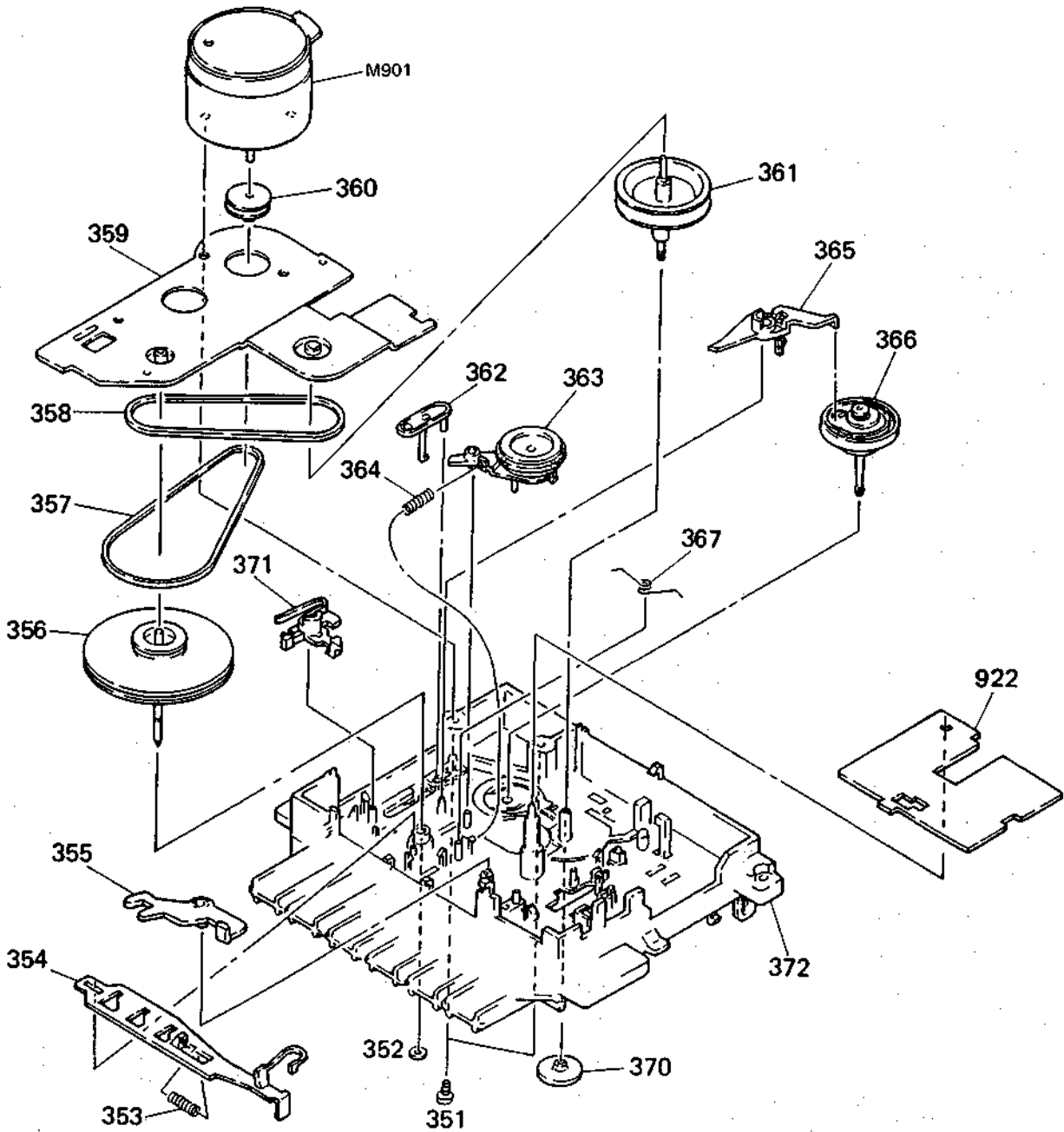
Note: The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

(4) TAPE TRANSPORT MECHANISM-1
(MF-60-64)



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
301	4-928-995-01	SLIDER, LOCK		316	4-928-982-01	LEVER (C)	
302	3-343-346-01	SPRING, COMPRESSION		317	X-4918-584-1	LEVER ASSY, FR	
303	4-928-994-01	LEVER, PAUSE		318	4-928-978-01	GEAR (C), SUPPLY REEL	
304	4-928-993-01	LEVER, FF		319	3-343-381-01	SPRING, COMPRESSION	
305	4-928-992-01	LEVER, REW		320	X-4918-585-1	GEAR (C) ASSY, TAKE-UP REEL	
306	4-928-991-01	LEVER, PLAY		321	3-343-285-01	GEAR, FF	
307	4-921-195-01	LEVER (AC), REC		322	4-928-957-01	RETAINER, CASSETTE	
308	4-928-985-01	LEVER, STOP		323	4-931-795-11	WASHER	
309	4-928-983-01	SLIDER, EJECT		324	3-701-438-01	WASHER	
310	4-928-972-01	SPRING, TENSION		325	4-928-960-01	CLAW, SAFETY	
311	4-928-973-01	SPRING		326	4-930-433-01	SPRING, COMPRESSION	
312	3-313-372-01	SPRING, TENSION		327	*4-932-612-01	SHEET, HD	
313	*4-928-984-01	LEVER (D)		HE901	1-543-535-11	HEAD, MAGNETIC (ERASE)	
314	4-921-196-01	DECK (AC), HEAD		HRP901	1-543-628-11	HEAD, MAGNETIC (REC/PB)	
315	4-928-962-01	PINCH ROLLER					

(5) TAPE TRANSPORT MECHANISM-2
(MF-60-64)



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
351	7-621-775-20	SCREW #B 2.6X5		362	4-928-961-01	PLATE, PAUSE LOCK	
352	3-343-358-01	RING, RETAINING		363	X-4918-583-1	LEVER ASSY, IDLER	
353	4-931-746-01	SPRING, COMPRESSION		364	4-932-655-01	SPRING, COMPRESSION	
354	4-928-996-01	LEVER, SW		365	4-928-986-01	LEVER (S), SHUT-OFF	
355	4-928-981-01	LEVER, FR SW		366	X-4918-582-1	PLATE ASSY, TAKE-UP REEL	
356	X-4918-576-1	WHEEL (C) ASSY, CAPSTAN		367	4-928-958-01	SPRING, FR RETURN	
357	4-928-951-01	BELT (CAPSTAN)		370	4-928-967-01	GEAR (C), MIDWAY	
358	4-928-974-01	BELT (MIDWAY)		371	4-928-987-01	LEVER (T), SHUT-OFF	
359	*X-4918-598-1	PLATE ASSY, GROUND		372	*X-4918-579-1	CHASSIS ASSY, MECHANICAL	
360	X-3313-308-1	PULLEY (P), MOTOR		922	*1-630-864-21	PC BOARD, SW	
361	X-4918-580-1	PULLEY ASSY, FR		M901	1-541-625-11	MOTOR, DC	

SECTION 8

ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:MF: μ F, PF: μ PF.**RESISTORS**

- All resistors are in ohms.
- F: nonflammable

COILS

- MMH: mH, UH: μ H

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

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

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description			
901	*A-3260-987-A	(West Germany)...MOUNTED PCB, MAIN	C24	1-124-499-11	ELECT	1MF	20%	50V
	*A-3260-988-A	(AEP,UK).....MOUNTED PCB, MAIN	C25	1-124-927-11	ELECT	4.7MF	20%	50V
	*A-3260-994-A	(Italian).....MOUNTED PCB, MAIN	C26	1-124-499-11	ELECT	1MF	20%	50V
902	*A-3260-940-A	MOUNTED PCB, MAIN, CD	C27	1-124-927-11	ELECT	4.7MF	20%	50V
903	*1-630-913-31	PC BOARD, TRANSLATION	C28	1-124-902-00	ELECT	0.47MF	20%	50V
904	*1-630-473-31	PC BOARD, LED	C29	1-126-101-11	ELECT	100MF	20%	16V
905	*1-630-475-31	PC BOARD, POWER	C30	1-161-051-00	CERAMIC	0.03MF	10%	25V
906	*1-630-625-11	PC BOARD, CD MOTOR	C31	1-161-051-00	CERAMIC	0.01MF	10%	25V
907	*1-630-626-11	PC BOARD, CD CONTROL	C32	1-124-902-00	ELECT	0.47MF	20%	50V
908	*1-630-629-31	PC BOARD, BATTERY TERMINAL	C33	1-124-902-00	ELECT	0.47MF	20%	50V
910	1-533-217-31	HOLDER, FUSE	C34	1-162-282-31	CERAMIC	100PF	10%	50V
915	Δ 8-848-137-11	DEVICE, OPTICAL KSS-210B	C35	1-162-194-31	CERAMIC	3.9PF	10%	50V
922	*1-630-864-21	PC BOARD, SWITCH	C36	1-162-190-31	CERAMIC	1.8PF	20%	50V
ANT1	1-501-378-11	ANTENNA, TELESCOPIC	C101	1-162-294-31	CERAMIC	0.001MF	10%	50V
C1	1-162-294-31	CERAMIC 0.001MF 10% 50V	C102	1-124-927-11	ELECT	4.7MF	20%	50V
C2	1-162-208-31	(AEP,UK,Italian)...CERAMIC 24PF 5% 50V	C104	1-124-963-11	ELECT	33MF	20%	16V
C2	1-162-209-31	(West Germany).....CERAMIC 27PF 5% 50V	C105	1-123-875-11	ELECT	10MF	20%	50V
C3	1-102-961-00	(AEP,UK,Italian)...CERAMIC 27PF 5% 50V	C106	1-124-499-11	ELECT	1MF	20%	50V
C3	1-102-962-00	(West Germany).....CERAMIC 30PF 5% 50V	C108	1-124-927-11	ELECT	4.7MF	20%	50V
C4	1-162-192-31	CERAMIC 2.7PF 10% 50V	C109	1-162-282-31	CERAMIC	100PF	10%	50V
C5	1-124-963-11	ELECT 33MF 20% 16V	C110	1-124-927-11	ELECT	4.7MF	20%	50V
C6	1-161-379-00	CERAMIC 0.01MF 30% 16V	C111	1-161-057-00	CERAMIC	0.033MF	10%	25V
C7	1-161-379-00	CERAMIC 0.01MF 30% 16V	C112	1-136-165-00	FILM	0.1MF	5%	50V
C8	1-102-945-00	CERAMIC 8PF 0.5PF 50V	C113	1-161-377-00	CERAMIC	0.0047MF	30%	16V
C9	1-162-207-31	(AEP,UK,West Germany) ...CERAMIC 22PF 5% 50V	C114	1-124-927-11	ELECT	4.7MF	20%	50V
C9	1-162-208-31	(Italian)...CERAMIC 24PF 5% 50V	C115	1-161-374-11	CERAMIC	0.0015MF	30%	16V
C10	1-102-109-00	CERAMIC 180PF 5% 500V	C116	1-162-282-31	CERAMIC	100PF	10%	50V
C11	1-102-953-00	CERAMIC 18PF 5% 50V	C117	1-126-101-11	ELECT	100MF	20%	16V
C12	1-161-047-00	CERAMIC 0.0047MF 10% 25V	C118	1-126-101-11	ELECT	100MF	20%	16V
C13	1-102-113-00	CERAMIC 390PF 5% 50V	C119	1-136-165-00	FILM	0.1MF	5%	50V
C14	1-102-111-00	CERAMIC 270PF 5% 500V	C120	1-124-473-11	ELECT	1000MF	20%	10V
C15	1-162-194-31	CERAMIC 3.9PF 10% 50V	C121	1-124-927-11	ELECT	4.7MF	20%	50V
C16	1-124-465-00	ELECT 0.47MF 20% 50V	C123	1-161-043-00	CERAMIC	0.0022MF	10%	25V
C17	1-162-191-31	(AEP,UK,West Germany) ...CERAMIC 2.2PF 10% 50V	C124	1-162-282-31	CERAMIC	100PF	10%	50V
C17	1-162-193-31	(Italian)...CERAMIC 3.3PF 10% 50V	C125	1-162-282-31	CERAMIC	100PF	10%	50V
C18	1-162-216-31	CERAMIC 51PF 5% 50V	C126	1-162-282-31	CERAMIC	100PF	10%	50V
C19	1-124-446-11	ELECT 47MF 20% 10V	C129	1-162-292-31	CERAMIC	680PF	10%	50V
C20	1-124-925-11	ELECT 2.2MF 20% 50V	C135	1-162-282-31	CERAMIC	100PF	10%	50V
C21	1-124-446-11	ELECT 47MF 20% 10V	C136	1-161-329-00	CERAMIC	0.0068MF	30%	16V
C22	1-161-379-00	CERAMIC 0.01MF 30% 16V	C201	1-162-294-31	CERAMIC	0.001MF	10%	50V
C23	1-161-379-00	CERAMIC 0.01MF 30% 16V	C202	1-124-927-11	ELECT	4.7MF	20%	50V
			C204	1-124-963-11	ELECT	33MF	20%	16V
			C205	1-123-875-11	ELECT	10MF	20%	50V
			C206	1-124-499-11	ELECT	1MF	20%	50V
			C208	1-124-927-11	ELECT	4.7MF	20%	50V
			C209	1-162-282-31	CERAMIC	100PF	10%	50V

Ref.No.	Part No.	Description				Ref.No.	Part No.	Description			
C210	1-124-927-11	ELECT	4.7MF	20%	50V	C359	1-126-017-11	ELECT	6800MF	20%	16V
C211	1-161-057-00	CERAMIC	0.033MF	10%	25V	C360	1-162-294-31	CERAMIC	0.001MF	10%	50V
C212	1-136-165-00	FILM	0.1MF	5%	50V	C361	1-162-294-31	CERAMIC	0.001MF	10%	50V
C213	1-161-377-00	CERAMIC	0.0047MF	30%	16V	C362	1-126-101-11	ELECT	100MF	20%	16V
C214	1-124-927-11	ELECT	4.7MF	20%	50V	C701	1-130-475-00	MYLAR	0.0022MF	5%	50V
C215	1-161-374-11	CERAMIC	0.0015MF	30%	16V	C702	1-124-963-11	ELECT	33MF	20%	16V
C216	1-162-282-31	CERAMIC	100PF	10%	50V	C703	1-162-294-31	CERAMIC	0.001MF	10%	50V
C217	1-126-101-11	ELECT	100MF	20%	16V	C704	1-124-443-00	ELECT	100MF	20%	6.3V
C218	1-126-101-11	ELECT	100MF	20%	16V	C705	1-162-176-11	ELECT	220MF	20%	6.3V
C219	1-136-165-00	FILM	0.1MF	5%	50V	C706	1-130-489-00	MYLAR	0.033MF	5%	50V
C220	1-124-473-11	ELECT	1000MF	20%	10V	C707	1-131-386-00	TANTALUM	33MF	10%	3.15V
C221	1-124-927-11	ELECT	4.7MF	20%	50V	C708	1-130-489-00	MYLAR	0.033MF	5%	50V
C223	1-161-043-00	CERAMIC	0.0022MF	10%	25V	C709	1-130-483-00	MYLAR	0.01MF	5%	50V
C224	1-162-282-31	CERAMIC	100PF	10%	50V	C710	1-124-963-11	ELECT	33MF	20%	16V
C225	1-162-282-31	CERAMIC	100PF	10%	50V	C711	1-162-207-31	CERAMIC	22PF	5%	50V
C226	1-162-282-31	CERAMIC	100PF	10%	50V	C712	1-162-207-31	CERAMIC	22PF	5%	50V
C229	1-162-292-31	CERAMIC	680PF	10%	50V	C713	1-124-472-11	ELECT	470MF	20%	6.3V
C235	1-162-282-31	CERAMIC	100PF	10%	50V	C714	1-161-379-00	CERAMIC	0.01MF	30%	16V
C236	1-161-329-00	CERAMIC	0.0068MF	30%	16V	C715	1-136-173-00	FILM	0.47MF	5%	50V
C301	1-162-282-31	CERAMIC	100PF	10%	50V	C716	1-130-483-00	MYLAR	0.01MF	5%	50V
C302	1-124-927-11	ELECT	4.7MF	20%	50V	C717	1-162-294-31	CERAMIC	0.001MF	10%	50V
C303	1-162-282-31	CERAMIC	100PF	10%	50V	C718	1-124-902-00	ELECT	0.47MF	20%	50V
C304	1-162-282-31	CERAMIC	100PF	10%	50V	C719	1-162-851-11	CERAMIC	0.1MF		16V
C305	1-124-927-11	ELECT	4.7MF	20%	50V	C720	1-130-489-00	MYLAR	0.033MF	5%	50V
C306	1-124-442-00	ELECT	330MF	20%	6.3V	C721	1-124-963-11	ELECT	33MF	20%	16V
C307	1-136-169-00	FILM	0.22MF	5%	50V	C722	1-130-475-00	MYLAR	0.0022MF	5%	50V
C309	1-123-382-00	ELECT	3.3MF	20%	50V	C723	1-161-021-11	CERAMIC	0.047MF	10%	25V
C310	1-126-233-11	ELECT	22MF	20%	25V	C724	1-162-294-31	CERAMIC	0.001MF	10%	50V
C311	1-124-120-11	ELECT	220MF	20%	16V	C725	1-136-165-00	FILM	0.1MF	5%	50V
C312	1-161-379-00	CERAMIC	0.01MF	30%	16V	C726	1-136-165-00	FILM	0.1MF	5%	50V
C313	1-123-875-11	ELECT	10MF	20%	50V	C727	1-124-963-11	ELECT	33MF	20%	16V
C314	1-123-875-11	ELECT	10MF	20%	50V	C728	1-131-377-00	TANTALUM	10MF	10%	6.3V
C315	1-161-379-00	CERAMIC	0.01MF	30%	16V	C729	1-136-165-00	FILM	0.1MF	5%	50V
C316	1-161-329-00	CERAMIC	0.0068MF	30%	16V	C730	1-123-875-11	ELECT	10MF	20%	50V
C317	1-124-446-11	ELECT	47MF	20%	10V	C731	1-161-061-11	CERAMIC	0.068MF	10%	25V
C318	1-161-379-00	CERAMIC	0.01MF	30%	16V	C732	1-162-215-31	CERAMIC	47PF	5%	50V
C319	1-130-479-00	MYLAR	0.0047MF	10%	50V	C733	1-124-963-11	ELECT	33MF	20%	16V
C320	1-136-154-00	MYLAR	0.012MF	10%	50V	C734	1-130-481-00	MYLAR	0.0068MF	5%	50V
C321	1-130-475-00	MYLAR	0.0022MF	10%	50V	C735	1-162-284-31	CERAMIC	150PF	10%	50V
C322	1-130-471-00	MYLAR	0.001MF	10%	50V	C736	1-161-379-00	CERAMIC	0.01MF	30%	16V
C323	1-124-927-11	ELECT	4.7MF	20%	50V	C737	1-161-379-00	CERAMIC	0.01MF	30%	16V
C324	1-124-120-11	ELECT	220MF	20%	16V	C738	1-161-379-00	CERAMIC	0.01MF	30%	16V
C325	1-123-875-11	ELECT	10MF	20%	50V	C739	1-161-379-00	CERAMIC	0.01MF	30%	16V
C326	1-126-101-11	ELECT	100MF	20%	16V	C740	1-124-963-11	ELECT	33MF	20%	16V
C327	1-161-379-00	CERAMIC	0.01MF	30%	16V	C743	1-130-479-00	MYLAR	0.0047MF	5%	50V
C328	1-124-473-11	ELECT	1000MF	20%	10V	C744	1-124-499-11	ELECT	1MF	20%	50V
C329	1-124-473-11	ELECT	1000MF	20%	10V	C745	1-130-475-00	MYLAR	0.0022MF	5%	50V
C330	1-124-925-11	ELECT	2.2MF	20%	50V	C746	1-130-471-00	MYLAR	0.001MF	5%	50V
C331	1-161-379-00	CERAMIC	0.01MF	30%	16V	C747	1-102-966-00	CERAMIC	43PF	5%	50V
C332	1-161-379-00	CERAMIC	0.01MF	30%	16V	C748	1-126-176-11	ELECT	220MF	20%	6.3V
C334	1-161-379-00	CERAMIC	0.01MF	30%	16V	C749	1-124-499-11	ELECT	1MF	20%	50V
C335	1-124-120-11	ELECT	220MF	20%	16V	C750	1-130-488-00	MYLAR	0.027MF	5%	50V
C339	1-124-927-11	ELECT	4.7MF	20%	50V	C751	1-124-499-11	ELECT	1MF	20%	50V
C340	1-162-282-31	CERAMIC	100PF	10%	50V	C752	1-124-604-00	ELECT	330MF	20%	10V
C341	1-162-294-31	CERAMIC	0.001MF	10%	50V	C753	1-126-176-11	ELECT	220MF	20%	6.3V
C344	1-161-379-00	CERAMIC	0.01MF	30%	16V	C754	1-124-438-00	ELECT	1MF	20%	50V
C346	1-161-379-00	CERAMIC	0.01MF	30%	16V	C755	1-130-475-00	MYLAR	0.0022MF	5%	50V
C352	1-161-377-00	CERAMIC	0.0047MF	30%	16V	C756	1-130-471-00	MYLAR	0.001MF	5%	50V

Ref.No.	Part No.	Description			
C757	1-102-966-00	CERAMIC	43PF	5%	50V
C758	1-124-499-11	ELECT	1MF	20%	50V
C759	1-124-499-11	ELECT	1MF	20%	50V
C760	1-130-488-00	MYLAR	0.027MF	5%	50V
C761	1-136-173-00	FILM	0.47MF	5%	50V
C763	1-162-199-31	CERAMIC	10PF	5%	50V
C764	1-162-199-31	CERAMIC	10PF	5%	50V
C765	1-162-294-31	CERAMIC	0.001MF	10%	50V
C767	1-162-294-31	CERAMIC	0.001MF	10%	50V
C768	1-162-851-11	CERAMIC	0.1MF		16V
C770	1-124-360-00	ELECT	1000MF	20%	16V
C771	1-124-499-11	ELECT	1MF	20%	50V
C772	1-123-382-00	ELECT	3.3MF	20%	50V
C773	1-123-382-00	ELECT	3.3MF	20%	50V
C774	1-123-382-00	ELECT	3.3MF	20%	50V
C775	1-123-382-00	ELECT	3.3MF	20%	50V
C780	1-124-963-11	ELECT	33MF	20%	16V
C781	1-124-963-11	ELECT	33MF	20%	16V
C784	1-126-176-11	ELECT	220MF	20%	6.3V
C790	1-161-379-00	CERAMIC	0.01MF	30%	16V
C791	1-124-927-11	ELECT	4.7MF	20%	50V
C792	1-124-499-11	ELECT	1MF	20%	50V
C794	1-124-499-11	ELECT	1MF	20%	50V
C801	1-124-963-11	ELECT	33MF	20%	16V
C802	1-161-379-00	CERAMIC	0.01MF	30%	16V
C803	1-162-219-31	CERAMIC	68PF	5%	50V
C804	1-162-219-31	CERAMIC	68PF	5%	50V
C851	1-162-292-31	CERAMIC	680PF	10%	50V
C852	1-162-216-31	CERAMIC	47PF	5%	50V
C853	1-162-215-31	CERAMIC	47PF	5%	50V
C901	1-124-499-11	ELECT	1MF	20%	50V
C902	1-162-562-11	CERAMIC	0.22MF		16V
C903	1-162-562-11	CERAMIC	0.22MF		16V
C904	1-162-562-11	CERAMIC	0.22MF		16V
C905	1-124-120-11	ELECT	220MF	20%	16V
C906	1-162-562-11	CERAMIC	0.22MF		16V
CF1	1-577-327-81	FILTER, CERAMIC			
CF2					
CF3					
CN1	1-536-354-00	POST PIN			
CN301	*1-564-707-11	PIN, CONNECTOR (SMALL TYPE) 5P			
CN303	*1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P			
CN304	*1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P			
CN305	*1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P			
CN306	*1-564-708-11	PIN, CONNECTOR (SMALL TYPE) 6P			
CN307	*1-568-450-11	HOUSING, CONNECTOR(PC BOARD)4P			
CN351	*1-564-708-11	PIN, CONNECTOR (SMALL TYPE) 6P			
CN352	*1-564-706-11	PIN, CONNECTOR (SMALL TYPE) 4P			
CN504	*1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P			
CN551	*1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P			
CN601	*1-564-721-11	PIN, CONNECTOR (SMALL TYPE) 5P			
CN705	*1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P			
CN706	*1-564-722-31	PIN, CONNECTOR (SMALL TYPE) 6P			
CN707	*1-564-708-11	PIN, CONNECTOR (SMALL TYPE) 6P			
CN708	*1-564-710-11	PIN, CONNECTOR (SMALL TYPE) 8P			
CN709	*1-564-710-11	PIN, CONNECTOR (SMALL TYPE) 8P			
CN710	*1-565-980-11	HOUSING, CONNECTOR(PC BOARD)9P			

Ref.No.	Part No.	Description
CN717	*1-564-722-11	PIN, CONNECTOR (SMALL TYPE) 6P
CN901	*1-565-835-11	SOCKET, CONNECTOR 3P
CN902	1-536-354-00	POST PIN
CN903	*1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P
CP1	1-236-047-11	ENCAPSULATED COMPONENT
CT2	1-141-290-41	CAP, VAR FILM TRIMMER
CT3	1-141-245-00	CAP, TRIMMER
CT6	1-141-245-00	CAP, TRIMMER
CT1	1-151-637-11	CAP, VARIABLE
CV1		
D1	8-719-911-19	DIODE 1SS119
D2	8-719-911-19	DIODE 1SS119
D3	8-719-911-19	DIODE 1SS119
D4	8-719-911-19	DIODE 1SS119
D302	8-719-976-29	DIODE SLB-55VR70F140
D304	8-719-109-89	DIODE RD5.6ES-B2
D305	8-719-911-19	DIODE 1SS119
D306	8-719-911-19	DIODE 1SS119
D307	8-719-911-19	DIODE 1SS119
D309	8-719-911-19	DIODE 1SS119
D311	8-719-911-19	DIODE 1SS119
D312	8-719-911-19	DIODE 1SS119
D315	8-719-911-19	DIODE 1SS119
D316	8-719-911-19	DIODE 1SS119
D317	8-719-976-29	DIODE SLB-55VR70F140
D318	8-719-109-96	DIODE RD6.8ES-B1
D701	8-719-911-19	DIODE 1SS119
D702	8-719-911-19	DIODE 1SS119
D801	8-719-911-19	DIODE 1SS119
D802	8-719-911-19	DIODE 1SS119
D804	8-719-911-19	DIODE 1SS119
D805	8-719-911-19	DIODE 1SS119
D901	8-719-500-55	DIODE D35BA10
F901	▲ 1-532-237-00	FUSE, TIME-LAG T3.15A 250V
FL1	1-236-022-17	FILTER, BAND PASS
HE901	1-543-535-11	HEAD, MAGNETIC (ERASE)
HRP901	1-543-628-11	HEAD, MAGNETIC (REC/PB)
IC1	8-752-035-68	IC CXA1238S
IC301	8-759-942-24	IC BA3312M
IC302	8-759-820-22	IC LA4597
IC701	8-752-033-14	IC CXA1081Q
IC702	8-752-032-32	IC CXA1182Q-Z
IC703	8-752-329-15	IC CXD1130Q
IC704	8-752-323-64	IC CXK5816M-12L
IC706	8-759-945-58	IC RC4558P
IC707	8-759-145-25	IC UPD6372GS
IC708	8-759-984-37	IC BA6293
IC709	8-759-984-37	IC BA6293
IC801	8-752-811-21	IC CXP5024-083Q
IC802	8-759-945-58	IC RC4558P
IC804	8-759-971-12	IC PST529E
J301	1-563-330-11	JACK (MIX MIC)
J302	1-566-891-11	JACK (PHONES)
J901	▲ 1-526-838-11	INLET, AC 2P (AC IN)

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

Ref.No.	Part No.	Description
L1	*1-422-386-11	COIL, AIR-CORE
L2	1-459-904-11	COIL (WITH CORE)
L3 L4	1-402-454-11	ANTENNA, FERRITE-ROD (LW/MW)
L5	1-410-314-11	INDUCTOR 0.47UH
L6	1-410-974-11	INDUCTOR 33UH
L7	1-410-971-11	INDUCTOR 10UH
L301	1-408-159-00	INDUCTOR 3.3UH
L701	1-410-316-11	INDUCTOR 1UH
L702	1-410-974-11	INDUCTOR 33UH
L901	1-408-159-00	INDUCTOR 3.3UH
LCD1	1-808-726-11	DISPLAY PANEL, LIQUID CRYSTAL
LF901A	1-424-150-11	TRANSFORMER, LINE FILTER
M701	X-2640-770-1	MOTOR ASSY, SLED (WITH GEAR)
M702	1-541-353-11	MOTOR, SPINDLE
M901	1-541-625-11	MOTOR, DC
Q1	8-729-672-42	TRANSISTOR 2SC2724-C
Q101	8-729-905-50	TRANSISTOR DTC343TS
Q102	8-729-119-78	TRANSISTOR 2SC2785HFE
Q103	8-729-900-89	TRANSISTOR DTC144ES
Q104	8-729-900-89	TRANSISTOR DTC144ES
Q201	8-729-905-50	TRANSISTOR DTC343TS
Q202	8-729-119-78	TRANSISTOR 2SC2785HFE
Q203	8-729-900-89	TRANSISTOR DTC144ES
Q204	8-729-900-89	TRANSISTOR DTC144ES
Q301	8-729-119-78	TRANSISTOR 2SC2785HFE
Q302	8-729-119-78	TRANSISTOR 2SC2785HFE
Q304	8-729-900-65	TRANSISTOR DTA144ES
Q305	8-729-100-13	TRANSISTOR 2SC2001
Q306	8-729-900-89	TRANSISTOR DTC144ES
Q307	8-729-905-67	TRANSISTOR 2SD1944-K
Q308	8-729-116-57	TRANSISTOR 2SB1013-3
Q309	8-729-119-78	TRANSISTOR 2SC2785HFE
Q310	8-729-205-02	TRANSISTOR 2SA1150
Q311	8-729-900-89	TRANSISTOR DTC144ES
Q314	8-729-119-78	TRANSISTOR 2SC2785HFE
Q315	8-729-900-65	TRANSISTOR DTA144ES
Q701	8-729-116-57	TRANSISTOR 2SB1013-3
Q702	8-729-119-78	TRANSISTOR 2SC2785HFE
Q703	8-729-119-78	TRANSISTOR 2SC2785HFE
Q704	8-729-119-78	TRANSISTOR 2SC2785HFE
Q705	8-729-900-63	TRANSISTOR DTA124ES
Q706	8-729-119-76	TRANSISTOR 2SA1175HFE
Q711	8-729-900-36	TRANSISTOR DTC124ES
Q712	8-729-119-78	TRANSISTOR 2SC2785HFE
Q713	8-729-119-78	TRANSISTOR 2SC2785HFE
Q714	8-729-900-63	TRANSISTOR DTA124ES
Q791	8-729-900-36	TRANSISTOR DTC124ES
Q792	8-729-900-36	TRANSISTOR DTC124ES
Q801	8-729-900-63	TRANSISTOR DTA124ES
Q802	8-729-900-74	TRANSISTOR DTC143TS
Q803	8-729-119-78	TRANSISTOR 2SC2785HFE
R1	1-249-441-11	CARBON 100K 5% 1/4W
R2	1-249-434-11	CARBON 27K 5% 1/4W
R3	1-249-424-11	CARBON 3.9K 5% 1/4W
R4	1-249-405-11	CARBON 100 5% 1/4W
R5	1-249-405-11	CARBON 100 5% 1/4W
R6	1-249-405-11	CARBON 100 5% 1/4W

Ref.No.	Part No.	Description
R7	1-249-405-11	CARBON 100 5% 1/4W
R8	1-249-421-11	CARBON 2.2K 5% 1/4W
R9	1-249-411-11	CARBON 330 5% 1/4W
R10	1-249-401-11	CARBON 47 5% 1/4W
R11	1-249-429-11	CARBON 10K 5% 1/4W
R12	1-247-887-00	CARBON 220K 5% 1/4W
R13	1-249-421-11	CARBON 2.2K 5% 1/4W
R14	1-247-887-00	CARBON 220K 5% 1/4W
R15	1-249-427-11	CARBON 6.8K 5% 1/4W
R16	1-249-427-11	CARBON 6.8K 5% 1/4W
R17	1-249-441-11	CARBON 100K 5% 1/4W
R18	1-249-402-11	CARBON 56 5% 1/4W
R19	1-249-409-11	CARBON 220 5% 1/4W
R20	1-249-426-11	CARBON 5.6K 5% 1/4W
R21	1-249-429-11	CARBON 10K 5% 1/4W
R101	1-249-411-11	CARBON 330 5% 1/4W
R102	1-249-410-11	CARBON 270 5% 1/4W
R103	1-249-424-11	CARBON 3.9K 5% 1/4W
R104	1-249-406-11	CARBON 120 5% 1/4W
R106	1-249-431-11	CARBON 15K 5% 1/4W
R107	1-249-420-11	CARBON 1.8K 5% 1/4W
R108	1-249-430-11	CARBON 12K 5% 1/4W
R109	1-249-414-11	CARBON 560 5% 1/4W
R111	1-249-432-11	CARBON 18K 5% 1/4W
R112	1-249-430-11	CARBON 12K 5% 1/4W
R113	1-249-421-11	CARBON 2.2K 5% 1/4W
R114	1-249-431-11	CARBON 15K 5% 1/4W
R115	1-249-430-11	CARBON 12K 5% 1/4W
R116	1-249-421-11	CARBON 2.2K 5% 1/4W
R117	1-249-431-11	CARBON 15K 5% 1/4W
R118	1-249-436-11	CARBON 39K 5% 1/4W
R120	1-247-899-11	CARBON 680K 5% 1/4W
R121	1-249-421-11	CARBON 2.2K 5% 1/4W
R122	1-249-405-11	CARBON 100 5% 1/4W
R125	1-249-422-11	CARBON 2.7K 5% 1/4W
R126	1-249-414-11	CARBON 560 5% 1/4W
R127	1-249-423-11	CARBON 3.3K 5% 1/4W
R128	1-249-423-11	CARBON 3.3K 5% 1/4W
R132	1-249-401-11	CARBON 47 5% 1/4W
R134	1-249-429-11	CARBON 10K 5% 1/4W
R135 A	1-217-640-11	FUSIBLE 3.3 5% 1/4W F
R136	1-249-404-00	CARBON 82 5% 1/4W
R201	1-249-411-11	CARBON 330 5% 1/4W
R202	1-249-410-11	CARBON 270 5% 1/4W
R203	1-249-424-11	CARBON 3.9K 5% 1/4W
R204	1-249-406-11	CARBON 120 5% 1/4W
R206	1-249-431-11	CARBON 15K 5% 1/4W
R207	1-249-420-11	CARBON 1.8K 5% 1/4W
R208	1-249-430-11	CARBON 12K 5% 1/4W
R209	1-249-414-11	CARBON 560 5% 1/4W
R211	1-249-432-11	CARBON 18K 5% 1/4W
R212	1-249-430-11	CARBON 12K 5% 1/4W
R213	1-249-421-11	CARBON 2.2K 5% 1/4W
R214	1-249-431-11	CARBON 15K 5% 1/4W
R215	1-249-430-11	CARBON 12K 5% 1/4W
R216	1-249-421-11	CARBON 2.2K 5% 1/4W

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

Ref.No.	Part No.	Description			
R217	1-249-431-11	CARBON	15K	5%	1/4W
R218	1-249-436-11	CARBON	39K	5%	1/4W
R220	1-247-899-11	CARBON	680K	5%	1/4W
R221	1-249-421-11	CARBON	2.2K	5%	1/4W
R222	1-249-405-11	CARBON	100	5%	1/4W
R225	1-249-422-11	CARBON	2.7K	5%	1/4W
R226	1-249-414-11	CARBON	560	5%	1/4W
R227	1-249-423-11	CARBON	3.3K	5%	1/4W
R228	1-249-423-11	CARBON	3.3K	5%	1/4W
R232	1-249-401-11	CARBON	47	5%	1/4W
R234	1-249-429-11	CARBON	10K	5%	1/4W
R235	△ 1-217-640-11	FUSIBLE	3.3	5%	1/4W F
R236	1-249-404-00	CARBON	82	5%	1/4W
R301	1-249-421-11	CARBON	2.2K	5%	1/4W
R302	1-249-411-11	CARBON	330	5%	1/4W
R303	1-247-891-00	CARBON	330K	5%	1/4W
R304	1-249-421-11	CARBON	2.2K	5%	1/4W
R305	1-249-409-11	CARBON	220	5%	1/4W
R309	1-249-405-11	CARBON	100	5%	1/4W
R310	1-247-903-00	CARBON	1M	5%	1/4W
R312	1-249-397-11	CARBON	22	5%	1/4W
R313	1-249-393-11	CARBON	10	5%	1/4W
R314	1-249-429-11	CARBON	10K	5%	1/4W
R315	1-249-401-11	CARBON	47	5%	1/4W
R316	1-249-423-11	CARBON	3.3K	5%	1/4W
R318	1-247-887-00	CARBON	220K	5%	1/4W
R319	1-249-425-11	CARBON	4.7K	5%	1/4W
R320	1-249-405-11	CARBON	100	5%	1/4W
R321	1-249-425-11	CARBON	4.7K	5%	1/4W
R322	△ 1-217-637-00	FUSIBLE	1	5%	1/4W F
R323	1-249-417-11	CARBON	1K	5%	1/4W
R326	1-249-409-11	CARBON	220	5%	1/4W
R327	1-249-414-11	CARBON	560	5%	1/4W
R328	1-249-437-11	CARBON	47K	5%	1/4W
R329	1-249-407-11	CARBON	150	5%	1/4W
R330	1-249-417-11	CARBON	1K	5%	1/4W
R331	△ 1-217-637-00	FUSIBLE	1	5%	1/4W F
R333	1-249-405-11	CARBON	100	5%	1/4W
R334	1-249-425-11	CARBON	4.7K	5%	1/4W
R335	1-249-425-11	CARBON	4.7K	5%	1/4W
R336	1-249-405-11	CARBON	100	5%	1/4W
R337	1-249-417-11	CARBON	1K	5%	1/4W
R340	1-249-435-11	CARBON	33K	5%	1/4W
R342	△ 1-217-637-00	FUSIBLE	1	5%	1/4W F
R346	1-249-417-11	CARBON	1K	5%	1/4W
R347	1-249-437-11	CARBON	47K	5%	1/4W
R348	1-249-425-11	CARBON	4.7K	5%	1/4W
R349	1-249-419-11	CARBON	1.5K	5%	1/4W
R350	1-249-419-11	CARBON	1.5K	5%	1/4W
R351	1-249-425-11	CARBON	4.7K	5%	1/4W
R358	1-249-425-11	CARBON	4.7K	5%	1/4W
R701	1-249-433-11	CARBON	22K	5%	1/4W
R702	1-249-417-11	CARBON	1K	5%	1/4W
R703	1-249-433-11	CARBON	22K	5%	1/4W
R704	1-249-397-11	CARBON	22	5%	1/4W
R705	1-247-806-11	CARBON	91	5%	1/4W
R711	1-249-428-11	CARBON	8.2K	5%	1/4W

Ref.No.	Part No.	Description			
R712	1-247-856-00	CARBON	11K	5%	1/4W
R713	1-249-441-11	CARBON	100K	5%	1/4W
R714	1-249-425-11	CARBON	4.7K	5%	1/4W
R715	1-249-441-11	CARBON	100K	5%	1/4W
R716	1-247-886-11	CARBON	200K	5%	1/4W
R717	1-249-422-11	CARBON	2.7K	5%	1/4W
R718	1-247-903-00	CARBON	1M	5%	1/4W
R719	1-249-417-11	CARBON	1K	5%	1/4W
R720	1-247-883-00	CARBON	150K	5%	1/4W
R721	1-249-437-11	CARBON	47K	5%	1/4W
R722	1-249-429-11	CARBON	10K	5%	1/4W
R723	1-249-441-11	CARBON	100K	5%	1/4W
R724	1-249-438-11	CARBON	56K	5%	1/4W
R725	1-247-885-00	CARBON	180K	5%	1/4W
R726	1-249-437-11	CARBON	47K	5%	1/4W
R727	1-249-441-11	CARBON	100K	5%	1/4W
R728	1-247-854-11	CARBON	9.1K	5%	1/4W
R729	1-247-894-11	CARBON	430K	5%	1/4W
R730	1-249-441-11	CARBON	100K	5%	1/4W
R731	1-215-457-00	METAL	33K	1%	1/6W
R732	1-215-457-00	METAL	33K	1%	1/6W
R733	1-247-895-00	CARBON	470K	5%	1/4W
R734	1-249-417-11	CARBON	1K	5%	1/4W
R735	1-249-417-11	CARBON	1K	5%	1/4W
R736	1-249-429-11	CARBON	10K	5%	1/4W
R743	1-215-438-00	METAL	5.1K	1%	1/6W
R744	1-215-461-00	METAL	47K	1%	1/6W
R745	1-215-453-00	METAL	22K	1%	1/6W
R746	1-215-461-00	METAL	47K	1%	1/6W
R747	1-249-431-11	CARBON	15K	5%	1/4W
R748	1-249-422-11	CARBON	2.7K	5%	1/4W
R749	1-247-834-11	CARBON	1.3K	5%	1/4W
R750	1-249-414-11	CARBON	560	5%	1/4W
R751	1-247-903-00	CARBON	1M	5%	1/4W
R752	1-249-430-11	CARBON	12K	5%	1/4W
R753	1-215-438-00	METAL	5.1K	1%	1/6W
R754	1-215-461-00	METAL	47K	1%	1/6W
R755	1-215-453-00	METAL	22K	1%	1/6W
R756	1-215-461-00	METAL	47K	1%	1/6W
R757	1-247-887-00	CARBON	220K	5%	1/4W
R758	1-249-422-11	CARBON	2.7K	5%	1/4W
R759	1-247-834-11	CARBON	1.3K	5%	1/4W
R760	1-249-414-11	CARBON	560	5%	1/4W
R761	1-247-903-00	CARBON	1M	5%	1/4W
R762	1-249-422-11	CARBON	2.7K	5%	1/4W
R763	1-249-422-11	CARBON	2.7K	5%	1/4W
R764	1-247-887-00	CARBON	220K	5%	1/4W
R765	1-249-395-11	CARBON	15	5%	1/4W
R766	1-249-395-11	CARBON	15	5%	1/4W
R768	1-249-405-11	CARBON	100	5%	1/4W
R770	1-215-453-00	METAL	22K	1%	1/6W
R771	1-215-453-00	METAL	22K	1%	1/6W
R772	1-215-453-00	METAL	22K	1%	1/6W
R773	1-215-453-00	METAL	22K	1%	1/6W
R774	1-215-429-00	METAL	2.2K	1%	1/6W
R775	1-215-457-00	METAL	33K	1%	1/6W
R776	1-215-457-00	METAL	33K	1%	1/6W

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

Ref.No.	Part No.	Description			
R777	1-215-457-00	METAL	33K	1%	1/6W
R778	1-215-433-00	METAL	3.3K	1%	1/6W
R779	1-247-868-11	CARBON	36K	5%	1/4W
R780	1-249-435-11	CARBON	33K	5%	1/4W
R781	1-247-876-11	CARBON	75K	5%	1/4W
R782	1-249-435-11	CARBON	33K	5%	1/4W
R783	1-249-417-11	CARBON	1K	5%	1/4W
R784	1-249-429-11	CARBON	10K	5%	1/4W
R785	1-249-410-11	CARBON	270	5%	1/4W
R786	1-249-425-11	CARBON	4.7K	5%	1/4W
R787	△.1-212-861-11	FUSIBLE	15	5%	1/4W
R789	1-249-433-11	CARBON	22K	5%	1/4W
R791	1-247-838-00	CARBON	2K	5%	1/4W
R792	1-249-437-11	CARBON	47K	5%	1/4W
R793	1-249-429-11	CARBON	10K	5%	1/4W
R794	1-249-405-11	CARBON	100	5%	1/4W
R801	1-249-435-11	CARBON	33K	5%	1/4W
R802	1-249-435-11	CARBON	33K	5%	1/4W
R803	1-249-435-11	CARBON	33K	5%	1/4W
R805	1-249-437-11	CARBON	47K	5%	1/4W
R806	1-249-437-11	CARBON	47K	5%	1/4W
R807	1-249-441-11	CARBON	100K	5%	1/4W
R808	1-249-441-11	CARBON	100K	5%	1/4W
R809	1-249-437-11	CARBON	47K	5%	1/4W
R810	1-249-405-11	CARBON	100	5%	1/4W
R821	1-249-441-11	CARBON	100K	5%	1/4W
R851	1-215-457-00	METAL	33K	1%	1/6W
R852	1-247-893-11	CARBON	390K	5%	1/4W
R853	1-249-441-11	CARBON	100K	5%	1/4W
R854	1-247-895-00	CARBON	470K	5%	1/4W
R855	1-249-441-11	CARBON	100K	5%	1/4W
RV1	1-238-017-11	RES, ADJ, CARBON 22K			
RV2	1-238-651-11	RES, VAR, CARBON 100K (FINE TUNING)			
RV301	1-238-606-11	RES, VAR, CARBON 50K/50K (VOLUME)			
RV302	1-238-607-11	RES, VAR, CARBON 50K/50K (TONE)			
RV701	1-228-995-00	RES, ADJ, CARBON 20K			
RV702	1-228-996-00	RES, ADJ, CARBON 50K			
RV703	1-228-991-00	RES, ADJ, METAL GLAZE 2.2K			
RV704	1-230-497-11	RES, ADJ, CARBON 20K			
RV705	1-230-497-11	RES, ADJ, CARBON 20K			
S1	1-572-013-11	SWITCH, LEVER SLIDE (BAND)			
S301	1-571-969-11	SWITCH, LEVER SLIDE			
S302	1-571-948-11	SWITCH, SLIDE (REC/PB)			
S303	1-571-307-11	SWITCH, SLIDE (ISS/FM MODE)			
S304	1-571-042-11	SWITCH, PUSH (1 KEY)(BASS BOOST)			
S305	1-570-913-11	SWITCH, PUSH (POWER)			

Ref.No.	Part No.	Description
S601	1-571-330-21	SWITCH, LEAF (MOTOR POWER)
S602	1-571-890-11	SWITCH, LEAF (PB)
S603	1-571-890-11	SWITCH, LEAF (FF/REW)
S801	1-571-936-11	SWITCH, LEAF (OPEN/CLOSE)
S802	1-571-936-11	SWITCH, LEAF (LIMIT)
S803	1-571-760-11	SWITCH, KEY BOARD (▶)
S804	1-571-760-11	SWITCH, KEY BOARD (■)
S805	1-571-760-11	SWITCH, KEY BOARD (◀◀)
S806	1-571-760-11	SWITCH, KEY BOARD (▶▶)
S807	1-571-760-11	SWITCH, KEY BOARD ()
S808	1-571-760-11	SWITCH, KEY BOARD (PEPEAT 1/ALL,SHUFFLE)
S809	1-571-760-11	SWITCH, KEY BOARD (REMAIN)
SP101	1-544-148-21	SPEAKER
SP201	1-544-148-21	SPEAKER
T1	1-406-356-11	COIL (OSC)
T2	1-406-354-11	COIL (OSC)
T3	1-406-353-11	COIL (OSC)
T4	1-402-455-11	COIL (ANT)
T301	1-433-321-11	TRANSFORMER, BIAS OSCILLATION
T901	△.1-449-773-11	(AEP,West Germany,Italian) ...TRANSFORMER, POWER
T901	△.1-449-774-11	(UK).....TRANSFORMER, POWER
W307	*1-568-453-11	PIN, CONNECTOR (PC BOARD) 4P
W710	*1-568-454-11	PIN, CONNECTOR (PC BOARD) 9P
W901	1-506-569-11	PIN, CONNECTOR 3P
X801	1-567-094-00	VIBRATOR, CERAMIC 3.58MHZ
XF701	1-567-908-11	VIBRATOR, CRYSTAL 16.9344MHZ

ACCESSORY & PACKING MATERIAL

△.1-555-234-00	(AEP,West Germany,Italian)..CORD, POWER
△.1-558-032-11	(UK).....CORD, POWER
3-750-235-11	(AEP,UK,West Germany) ...MANUAL, INSTRUCTION
3-750-235-41	(AEP,West Germany,Italian) ...MANUAL, INSTRUCTION
*4-921-197-01	CUSHION (LEFT) (RIGHT)
*4-931-360-01	INDIVIDUAL CARTON

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