

CX-VX5

SERVICE MANUAL

Ver 1.1 2004. 09

AEP Model
UK Model



- CX-VX5 is DVD receiver in AVJ-X5.

DVD Section	Model Name Using Similar Mechanism	NEW
	DVD Mechanism Type	CDM80-DVBU24
	Optical Pick-up Name	DBU-1

SPECIFICATIONS

Amplifier section

Stereo mode	60 W + 60 W (5 ohms at 1 kHz, THD 10 %)
Surround mode	Front: 60 W + 60 W Center*: 60 W Surround*: 60 W + 60 W (5 ohms at 1 kHz, THD 10 %) Subwoofer*: 100 W (3 ohms at 100 Hz, THD 10 %)

** Depending on the sound field settings and the source, there may be no sound output.*

Inputs	VIDEO 1: Sensitivity: 300 mV Impedance: 50 kilohms VIDEO 2: Sensitivity: 300 mV Impedance: 50 kilohms MIC 1/MIC 2: Sensitivity: 1 mV Impedance: 10 kilohms
Outputs	VIDEO 1 (AUDIO OUT): Voltage: 1 V Impedance: 1 kilohm
Phones	Accepts low-and high-impedance headphones.

DVD system

Laser	Semiconductor laser (DVD: $\lambda=650$ nm) (CD: $\lambda=780$ nm) Emission duration: continuous
Signal format system	NTSC or NTSC/PAL
Frequency response (at 2 CH STEREO mode)	DVD (PCM): 2 Hz to 22 kHz (± 1.0 dB) CD: 2 Hz to 20 kHz (± 1.0 dB)
Harmonic distortion	Less than 0.03 %

– Continued on next page –

DVD RECEIVER



Tuner section

System	PLL quartz-locked digital synthesizer system
FM tuner section	
Tuning range	87.5 – 108.0 MHz (50 kHz step)
Antenna	FM wire antenna
Antenna terminals	75 ohms, unbalanced
Intermediate frequency	10.7 MHz
AM tuner section	
Tuning range	531 – 1,602 kHz (with the interval set at 9 kHz)
Antenna	AM loop antenna
Intermediate frequency	450 kHz

Video section (VIDEO 1, 2, EURO AV)

Inputs	Video: 1 Vp-p 75 ohms
Outputs	Video: 1 Vp-p 75 ohms

Design and specifications are subject to change without notice.

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.

Flexible Circuit Board Repairing

- Keep the temperature of 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.

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)



: 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.

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.

CAUTION

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

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

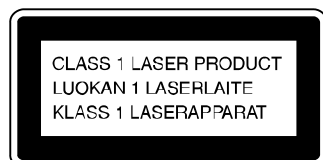
The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body. During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter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

Laser component in this product is capable of emitting radiation exceeding the limit for Class 1.



This appliance is classified as a CLASS 1 LASER product. The label is located on the left side of the unit as viewed from the front.

LASER DIODE AND FOCUS SEARCH OPERATION CHECK

Carry out the "S curve check" in "DVD section adjustment" and check that the S curve waveforms is output three times.

NOTE OF REPLACING THE DMB03 BOARD

When replacing the DMB03 board, since the adjustment value is not set up correctly, "Drive Auto Adjustment" can't be performed. In this case, initialize Memory in the following procedures.

Procedure:

1. Set the test mode. (See page 27)
2. Press the [2] key of the remote commander, and set the "DRIVE MANUAL OPERATION". (See page 30)
3. Press the [6] key of the remote commander, and set the "2-6, Memory Check". (See page 32)
4. Press the [CLEAR] key of the remote commander, and initialize Memory.

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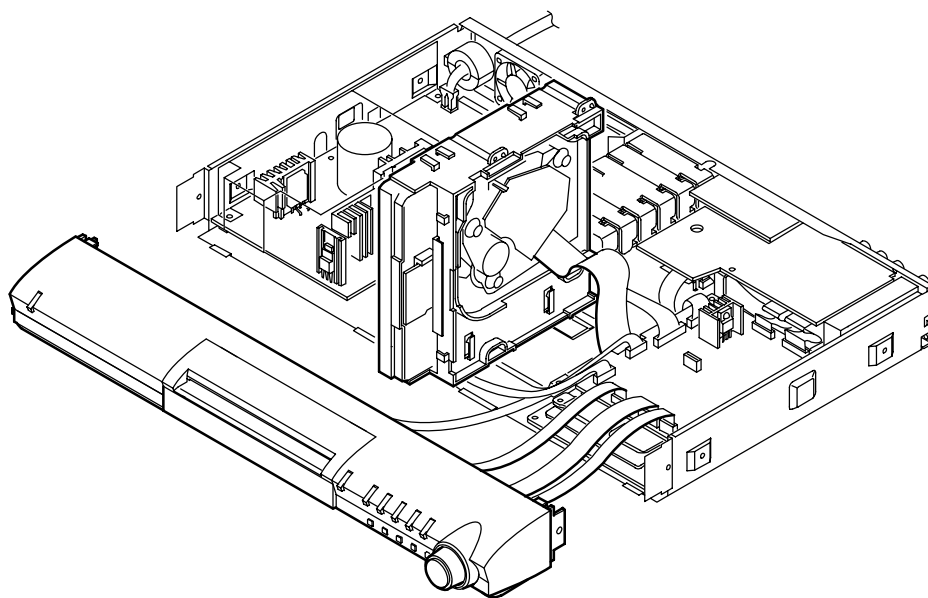
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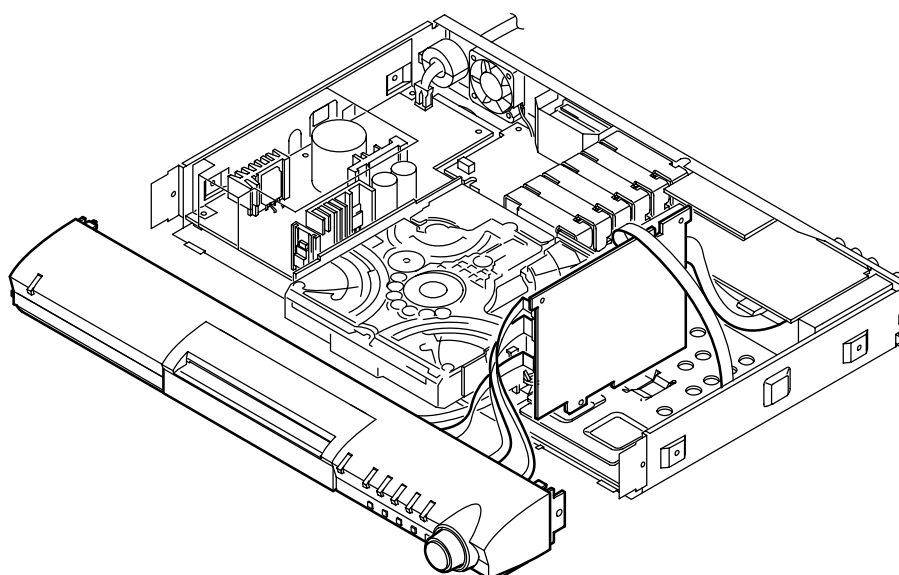
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SECTION 1 SERVICE POSITIONS

1-1. DVD MECHANISM BLOCK



1-2. MICON BOARD

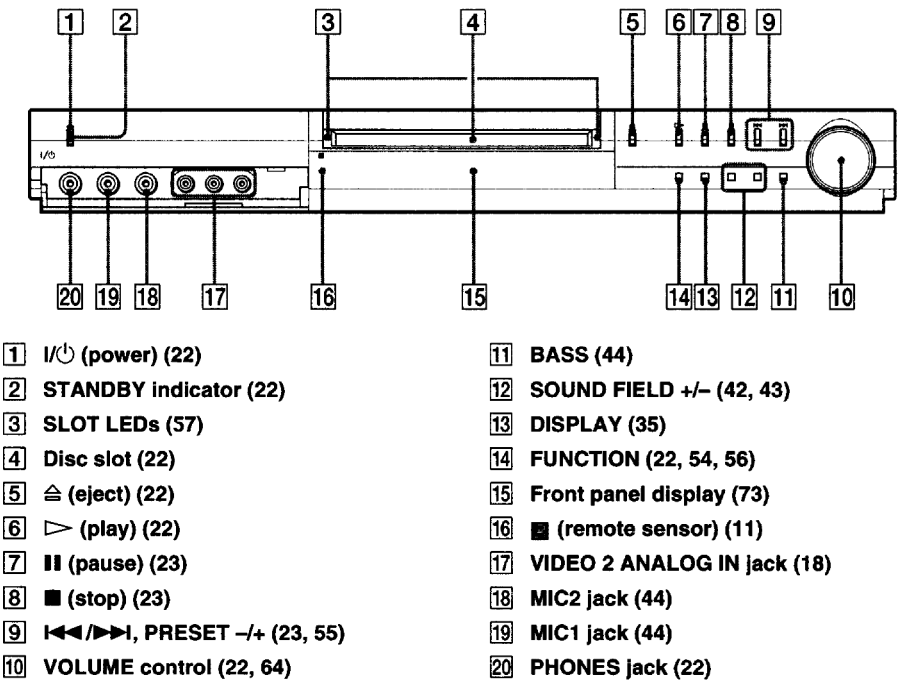


This section is extracted
from instruction manual.

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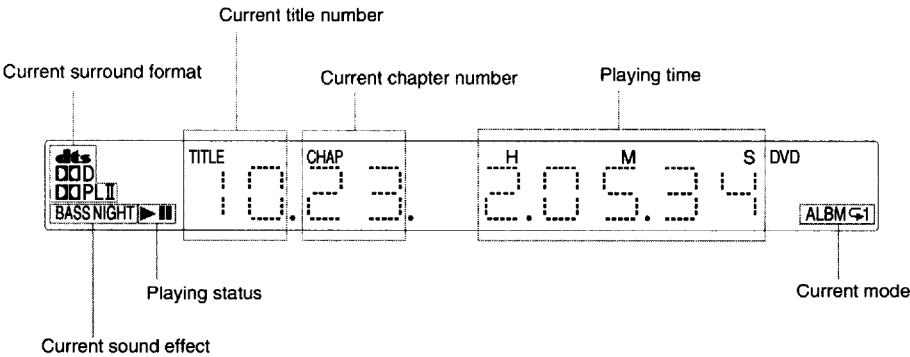
For more information, refer to the pages indicated in parentheses.

Front Panel

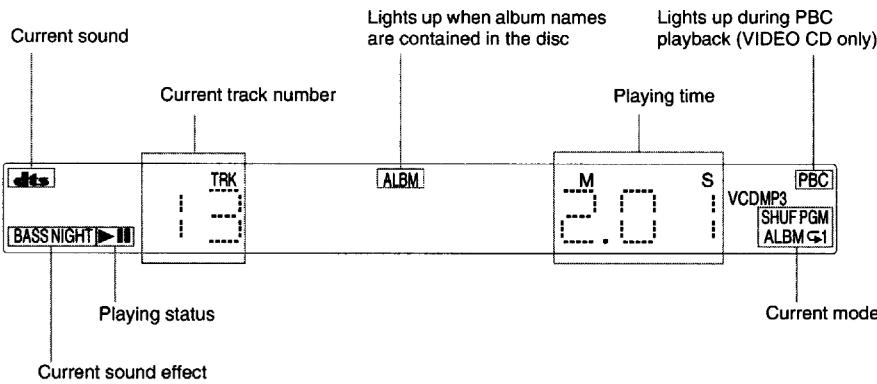


Front Panel Display

When playing back a DVD

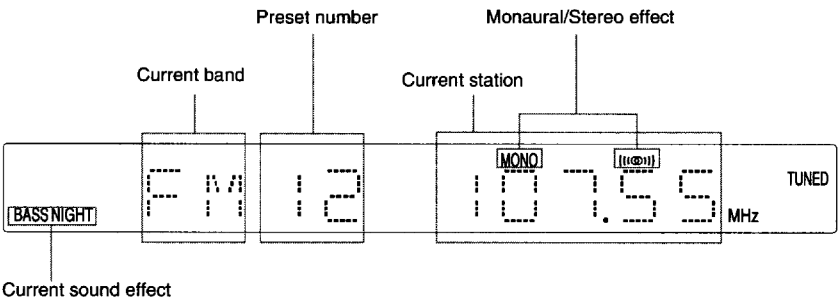


When playing back a CD, VIDEO CD, or MP3



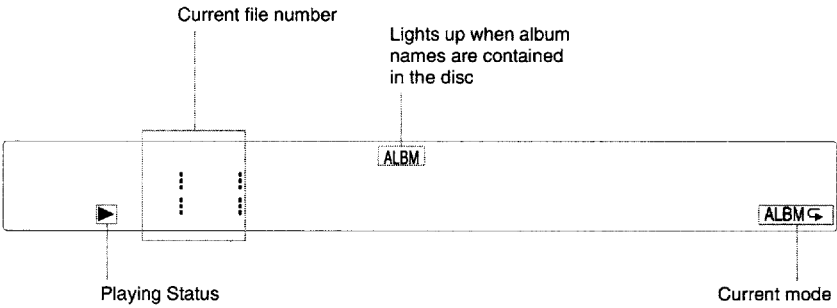
Additional Information

When listening to the radio



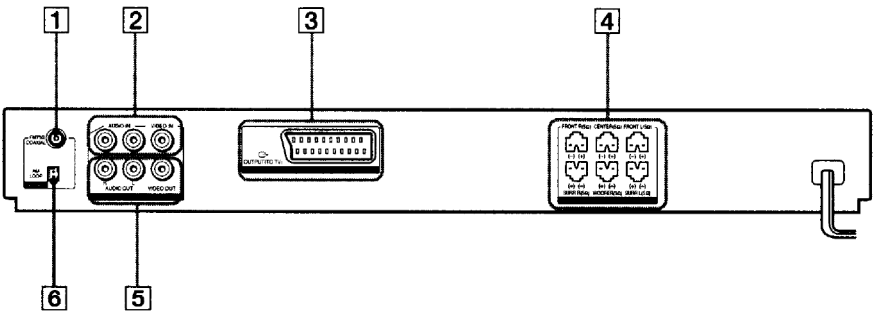
continued 73GB

When playing back a JPEG



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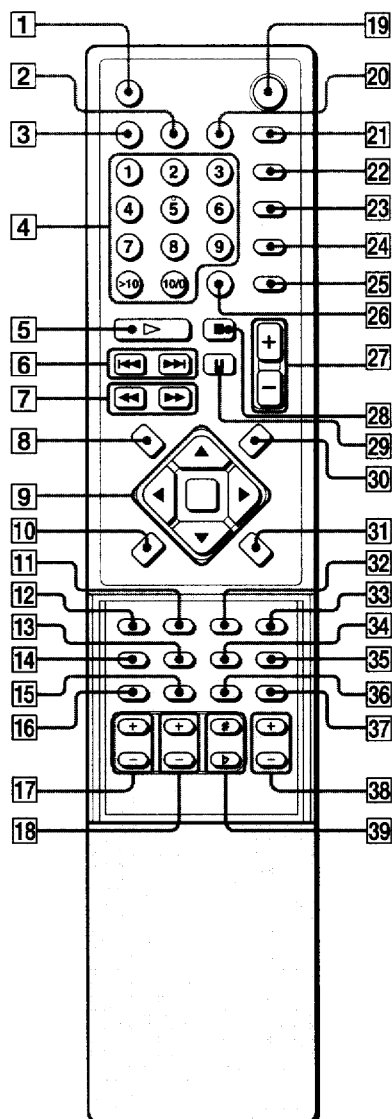
Rear Panel



- | | |
|---|---------------------------------------|
| 1 FM 75Ω COAXIAL jack (16) | 4 SPEAKER jacks (12) |
| 2 VIDEO 1 ANALOG IN jack (18) | 5 VIDEO 1 ANALOG OUT jack (18) |
| 3 EURO AV OUTPUT (TO TV) jack (18) | 6 AM LOOP terminal (16) |

Additional Information

continued **75^{GB}**

Remote**Note**

This remote control glows in the dark. However, before glowing, the remote must be exposed to light for a while.

- 1 TV I/O (on/standby) (53)
- 2 DISPLAY (35, 38, 56)

- 3 TV/VIDEO (53)
- 4 Number buttons (24, 29, 33, 46, 48, 53)
- 5 ▷ PLAY/SELECT (22, 24, 29, 30, 31)
- 6 ◀◀/▶▶, TV CH -/+, PRESET -/+ (24, 53, 56)
- 7 ◀◀/▶▶/◀◀/▶▶ SLOW, TUNING -/+ (32, 55)
- 8 DVD TOP MENU/ALBUM- (24, 26, 27)
- 9 ◀/▶/◀/▶/ENTER (24, 26, 27, 28, 29, 31, 33, 40, 46, 47, 48, 55)
- 10 TV (53)
- 11 TUNER MENU (55)
- 12 DVD SETUP (50, 59)
- 13 ANGLE (46)
- 14 SUBTITLE (47)
- 15 NIGHT MODE (44)
- 16 KARAOKE (44)
- 17 MIC VOL +/- (44)
- 18 MIC ECHO +/- (44)
- 19 I/O (standby) (22)
- 20 CLEAR (29, 30, 31, 33)
- 21 MUTE (23)
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- 23 TUNER BAND (55, 56)
- 24 FUNCTION (22, 54, 56)
- 25 DVD DISPLAY (26, 27, 31, 33, 38, 40, 46, 47)
- 26 ENTER (53)
- 27 VOLUME +/- (53, 56)
- 28 ■ STOP (24, 48)
- 29 || PAUSE (23)
- 30 DVD MENU/ALBUM+ (24, 26, 27)
- 31 ↶ RETURN (24, 26, 27, 48)
- 32 DIMMER (57)
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- 35 AUDIO (40)
- 36 BASS (44)
- 37 AUTO FORMAT DIRECT (42)
- 38 SOUND FIELD +/- (42, 43)
- 39 KEYCON #/b (44)

Language Code List

The language spellings conform to the ISO 639: 1988 (E/F) standard.

Code	Language	Code	Language	Code	Language
1027	Afar	1245	Inupiak	1489	Russian
1028	Abkhazian	1248	Indonesian	1491	Kinyarwanda
1032	Afrikaans	1253	Icelandic	1495	Sanskrit
1039	Amharic	1254	Italian	1498	Sindhi
1044	Arabic	1257	Hebrew	1501	Sangho
1045	Assamese	1261	Japanese	1502	Serbo-Croatian
1051	Aymara	1269	Yiddish	1503	Singhalese
1052	Azerbaijani	1283	Javanese	1505	Slovak
1053	Bashkir	1287	Georgian	1506	Slovenian
1057	Byelorussian	1297	Kazakh	1507	Samoa
1059	Bulgarian	1298	Greenlandic	1508	Shona
1060	Bihari	1299	Cambodian	1509	Somali
1061	Bislama	1300	Kannada	1511	Albanian
1066	Bengali; Bangla	1301	Korean	1512	Serbian
1067	Tibetan	1305	Kashmiri	1513	Siswati
1070	Breton	1307	Kurdish	1514	Sesotho
1079	Catalan	1311	Kirghiz	1515	Sundanese
1093	Corsican	1313	Latin	1516	Swedish
1097	Czech	1326	Lingala	1517	Swahili
1103	Welsh	1327	Laotian	1521	Tamil
1105	Danish	1332	Lithuanian	1525	Telugu
1109	German	1334	Latvian; Lettish	1527	Tajik
1130	Bhutanian	1345	Malagasy	1528	Thai
1142	Greek	1347	Maori	1529	Tigrinya
1144	English	1349	Macedonian	1531	Turkmen
1145	Esperanto	1350	Malayalam	1532	Tagalog
1149	Spanish	1352	Mongolian	1534	Setswana
1150	Estonian	1353	Moldavian	1535	Tonga
1151	Basque	1356	Marathi	1538	Turkish
1157	Persian	1357	Malay	1539	Tsonga
1165	Finnish	1358	Maltese	1540	Tatar
1166	Fiji	1363	Burmese	1543	Twi
1171	Faroese	1365	Nauru	1557	Ukrainian
1174	French	1369	Nepali	1564	Urdu
1181	Frisian	1376	Dutch	1572	Uzbek
1183	Irish	1379	Norwegian	1581	Vietnamese
1186	Scots Gaelic	1393	Occitan	1587	Volapük
1194	Galician	1403	(Afan) Oromo	1613	Wolof
1196	Guarani	1408	Oriya	1632	Xhosa
1203	Gujarati	1417	Punjabi	1665	Yoruba
1209	Hausa	1428	Polish	1684	Chinese
1217	Hindi	1435	Pashto; Pushto	1697	Zulu
1226	Croatian	1436	Portuguese		
1229	Hungarian	1463	Quechua	1703	Not specified
1233	Armenian	1481	Rhaeto-Romance		
1235	Interlingua	1482	Kirundi		
1239	Interlingue	1483	Romanian		

Additional Information

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DVD Setup Menu List

You can set the following items with the DVD Setup menu.

The order of the displayed items may be different from the actual display.

LANGUAGE SETUP

- OSD — (Selects the language you want to use from the displayed language list.)
- DVD MENU — (Selects the language you want to use from the displayed language list.)
- AUDIO — (Selects the language you want to use from the displayed language list.)
- SUBTITLE — (Selects the language you want to use from the displayed language list.)

SCREEN SETUP

- TV TYPE —
 - 16:9
 - 4:3 LETTER BOX
 - 4:3 PAN SCAN
- SCREEN SAVER —
 - ON
 - OFF
- BACKGROUND —
 - JACKET PICTURE
 - GRAPHICS
 - BLUE
 - BLACK
- LINE —
 - VIDEO
 - RGB

CUSTOM SETUP

- PARENTAL CONTROL —
 - LEVEL —
 - OFF
 - 8. NC17
 - 7. R
 - 6. PG13
 - 5. PG
 - 4. PG
 - 3. PG
 - 2. G
 - 1. G
 - STANDARD —
 - USA
 - OTHERS →
 - CHANGE PASSWORD
- TRACK SELECTION —
 - OFF
 - AUTO
- AUDIO —
 - OFF
 - STANDARD
 - MAX
- DRC —
 - MP3
 - JPEG
- DATA CD PRIORITY —
 - MP3
 - JPEG
- JPEG DATE —
 - MM/DD/YYYY
 - YYYY/MM/DD
 - DD/MM/YYYY
 - YYYY/DD/MM

SPEAKER SETUP

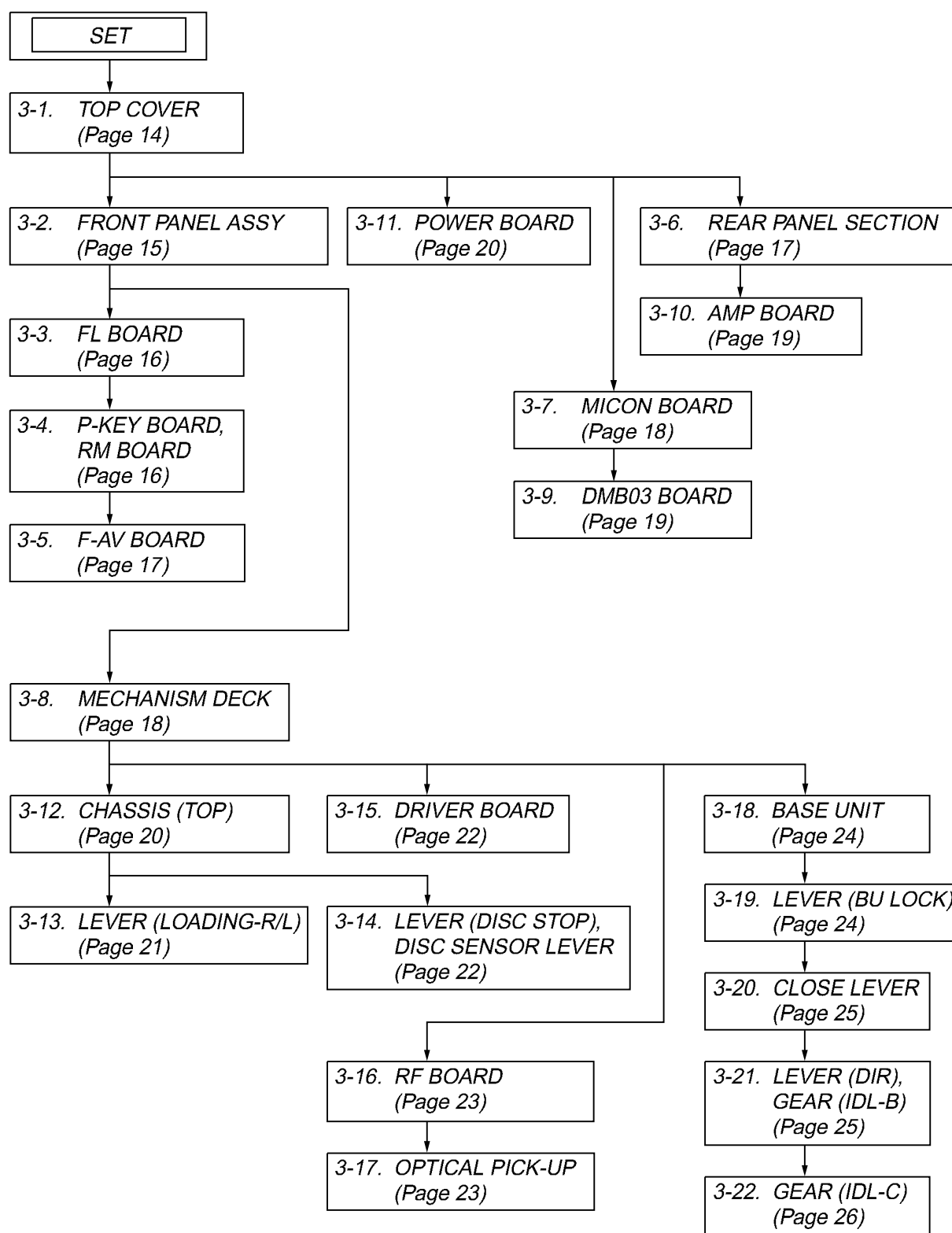
- SIZE —
 - FRONT — YES
 - CENTER — YES
 - SURROUND — YES
 - SUBWOOFER — YES
- DISTANCE —
 - FRONT — 1.0m - 7.0m
 - CENTER — 1.0m - 7.0m
 - SURROUND — 1.0m - 7.0m
- LEVEL —
 - CENTER — -6 dB - +6 dB
 - SURROUND — -6 dB - +6 dB
 - LEFT —
 - SURROUND — -6 dB - +6 dB
 - RIGHT —
 - SUBWOOFER — -6 dB - +6 dB
- BALANCE —
 - FRONT — 6 steps left or right
- TEST TONE —
 - OFF
 - ON

RESET

- YES
- NO

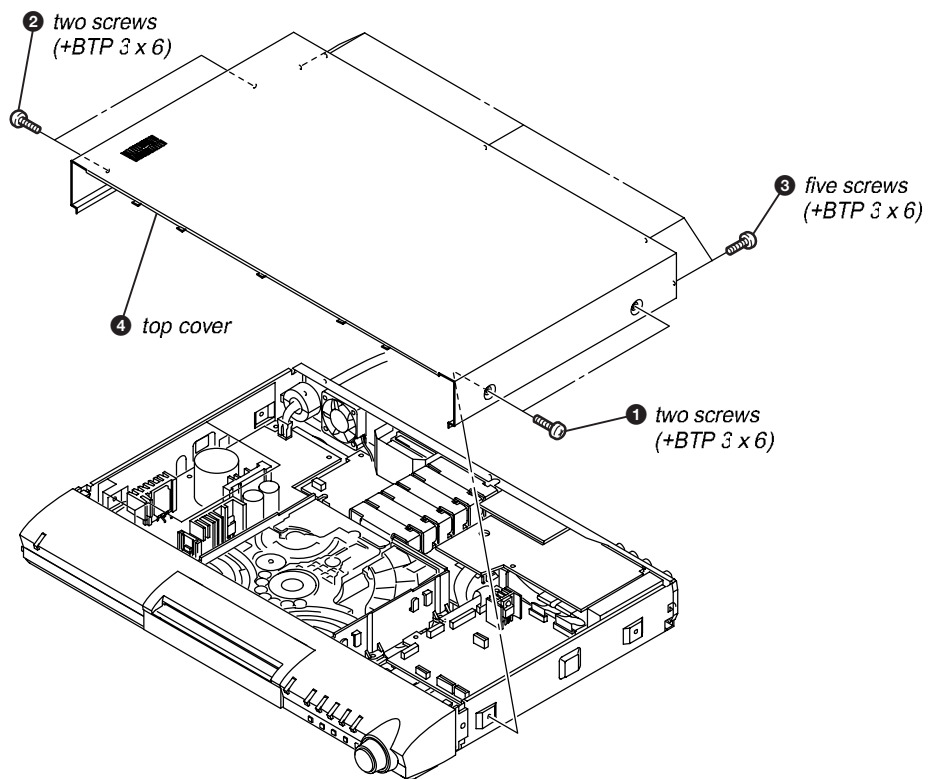
SECTION 3 DISASSEMBLY

Note : Disassemble the unit in the order as shown below.

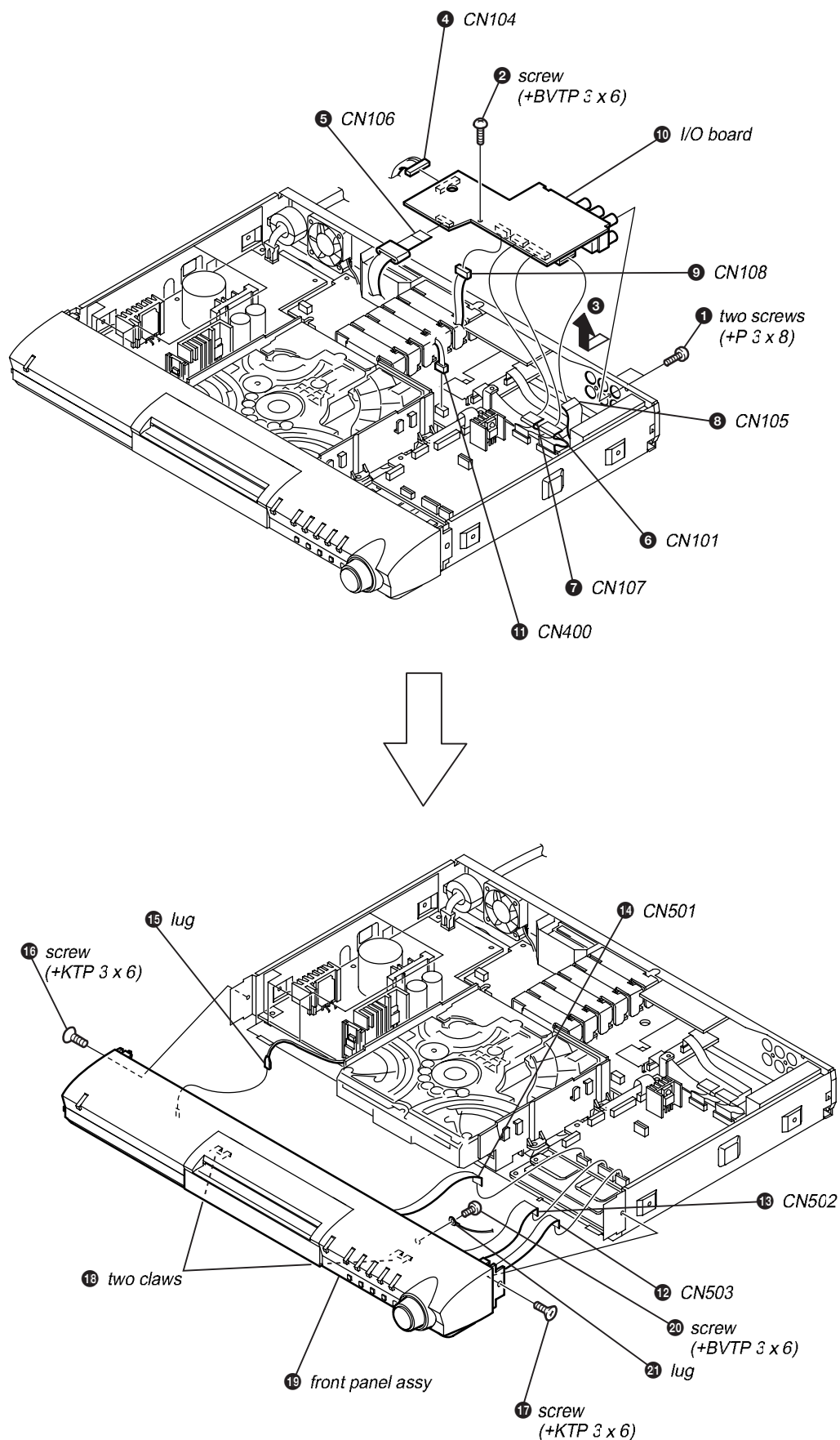


Note : Follow the disassembly procedure in the numerical order given.

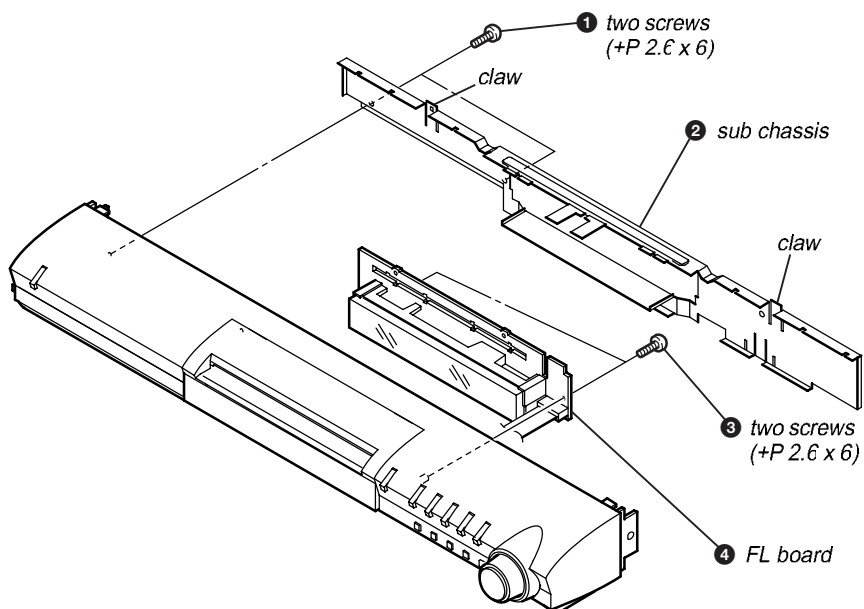
3-1. TOP COVER



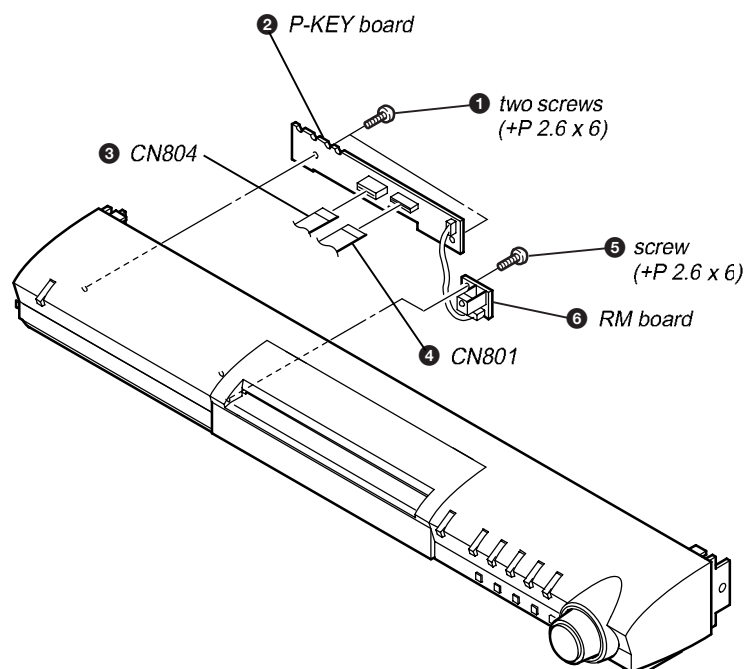
3-2. FRONT PANEL ASSY



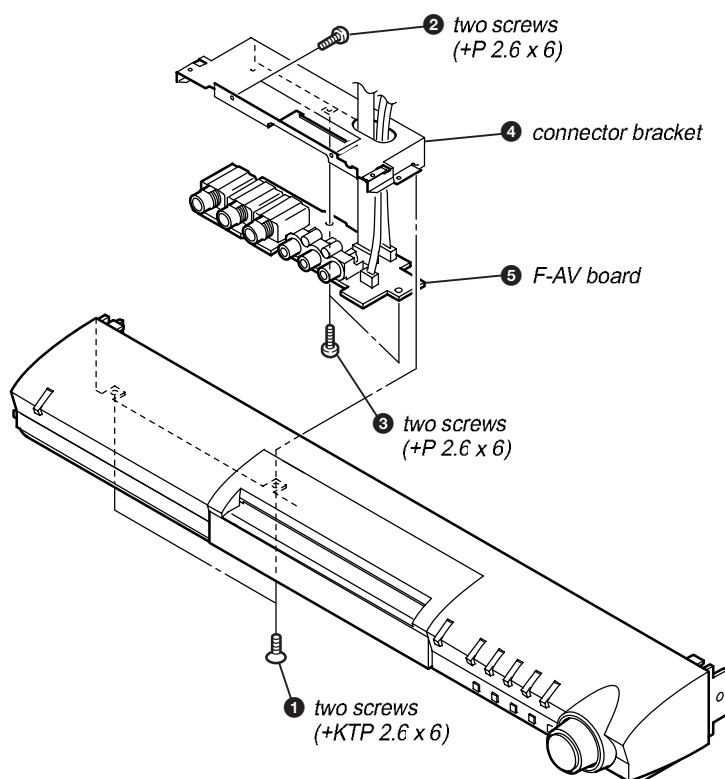
3-3. FL BOARD



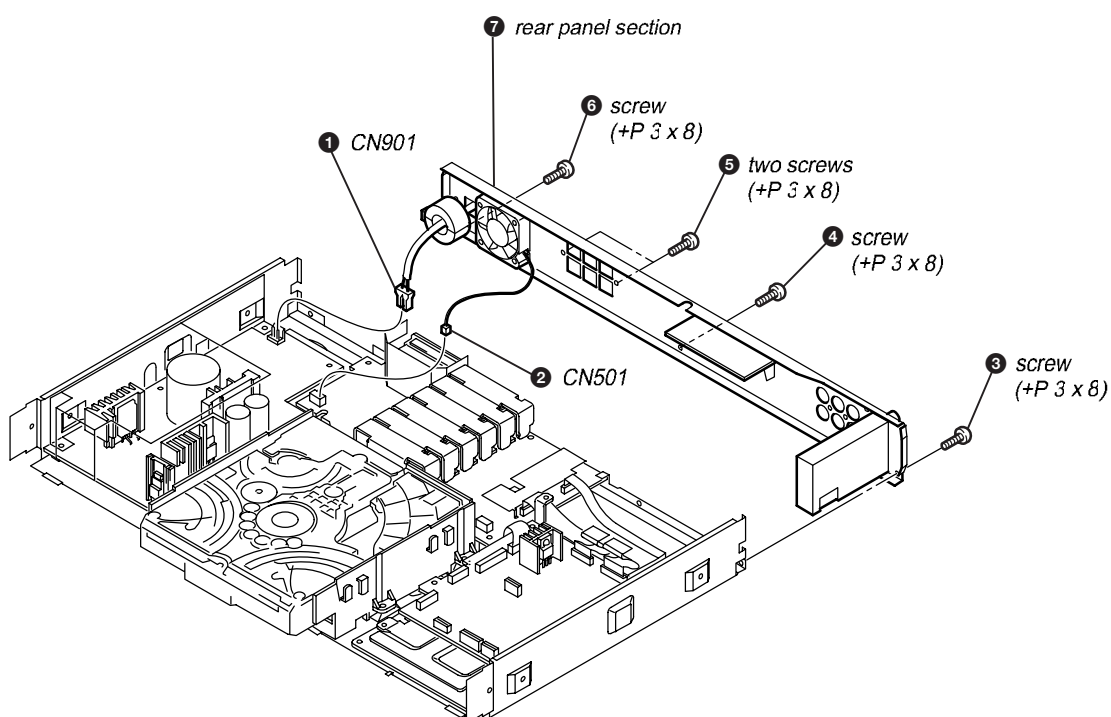
3-4. P-KEY BOARD, RM BOARD



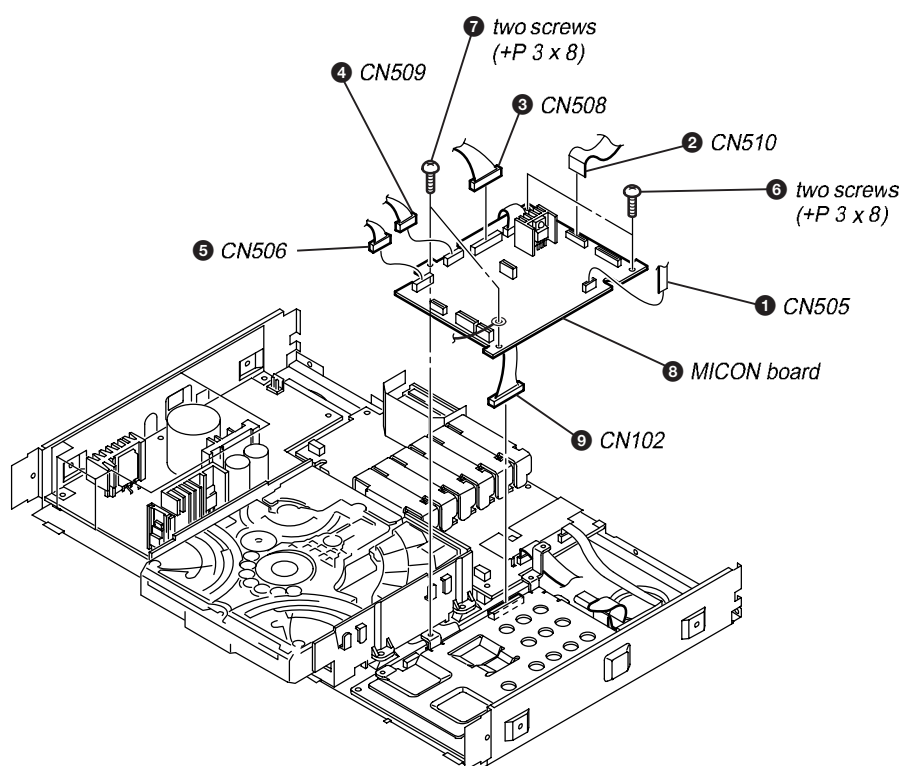
3-5. F-AV BOARD



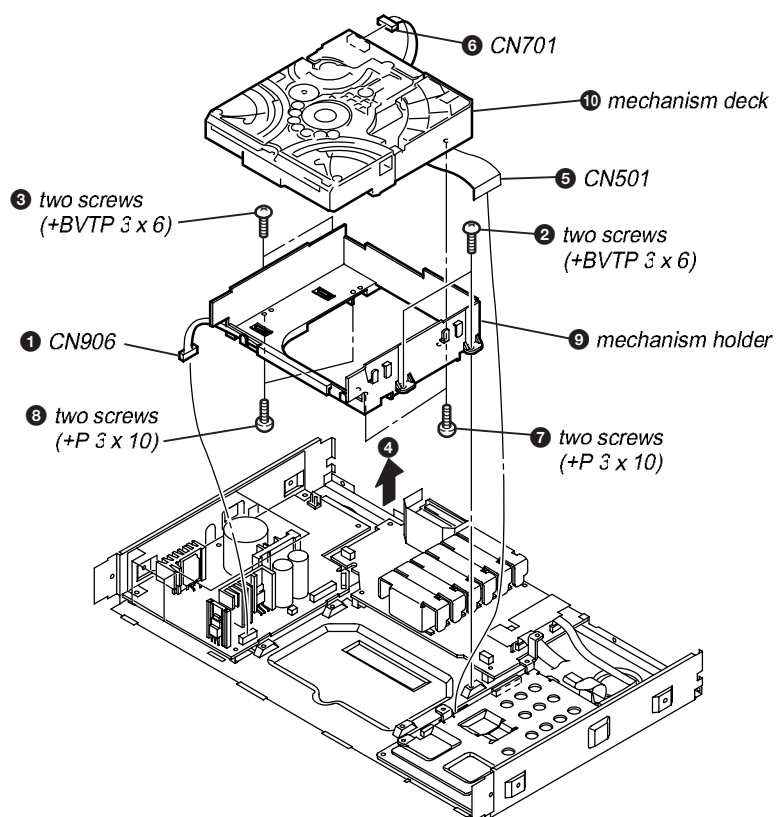
3-6. REAR PANEL SECTION



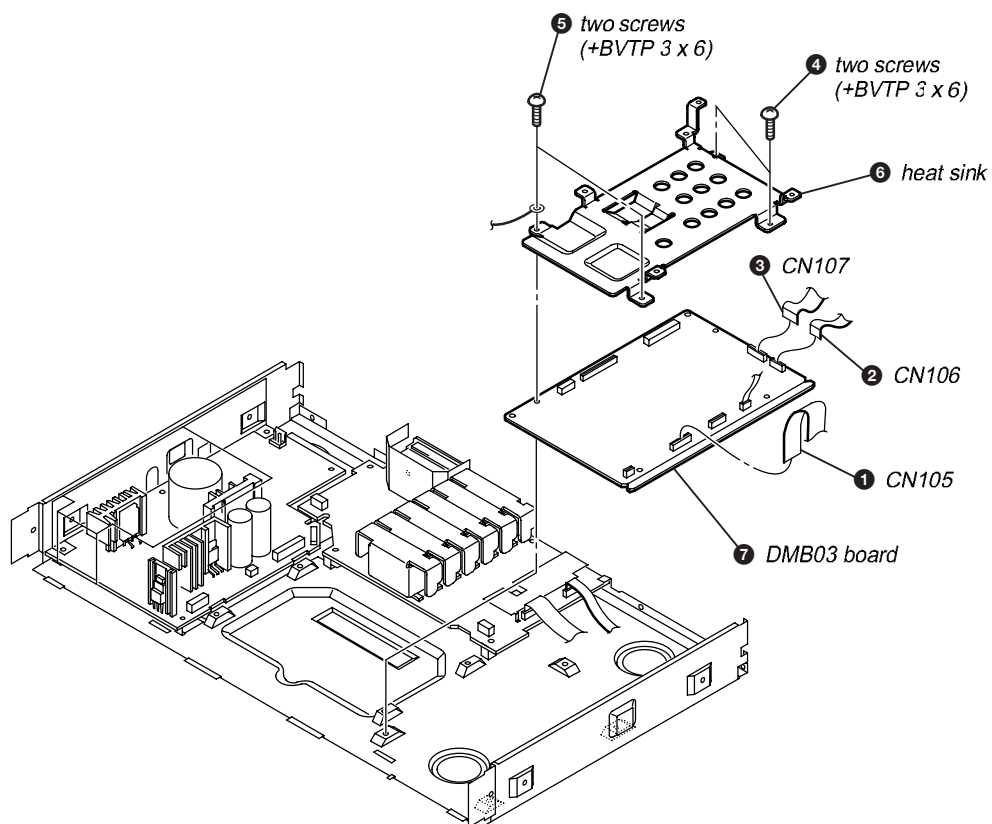
3-7. MICON BOARD



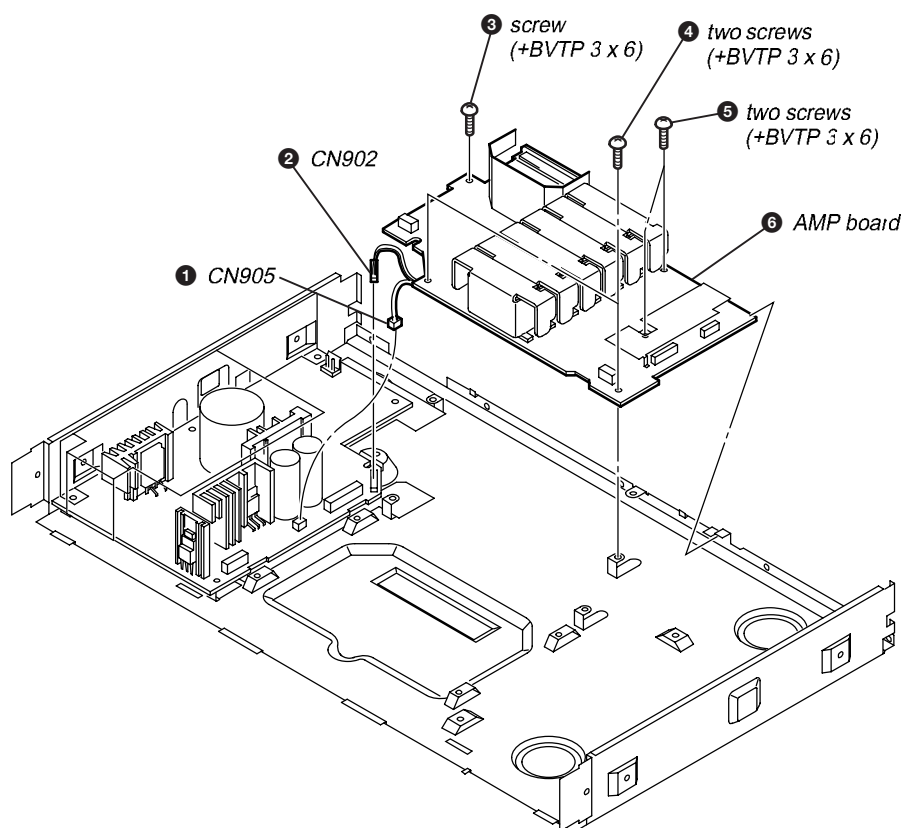
3-8. MECHANISM DECK



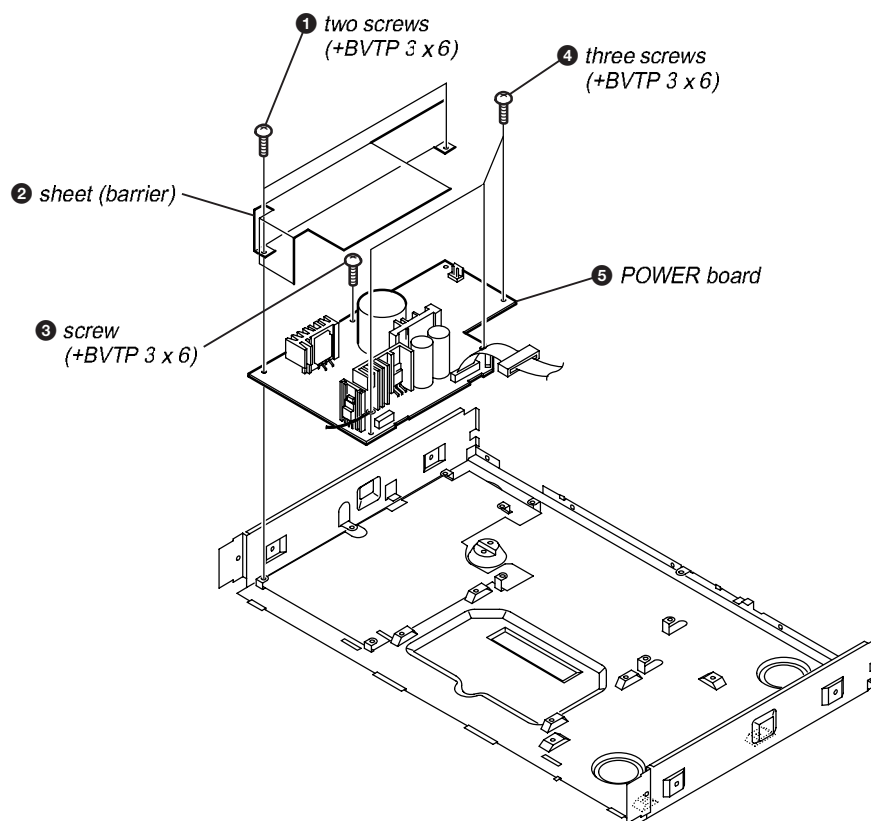
3-9. DMB03 BOARD



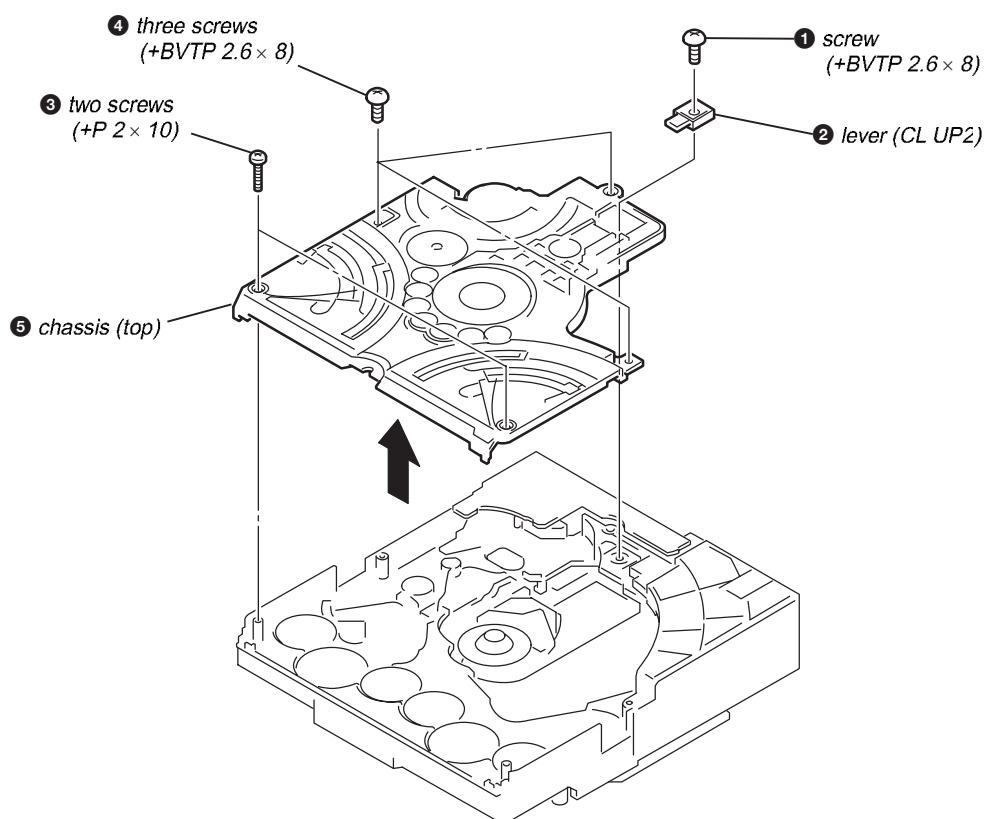
3-10. AMP BOARD



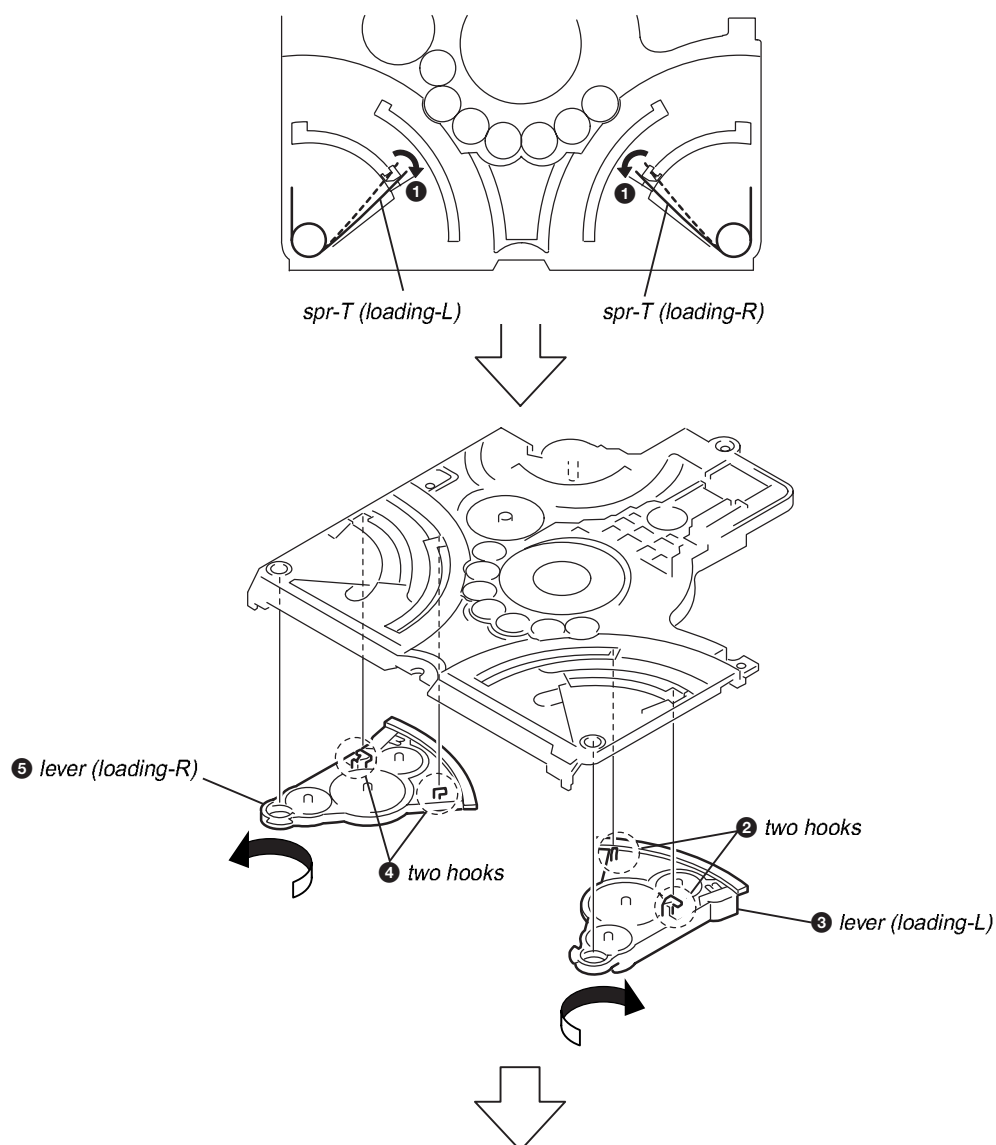
3-11. POWER BOARD



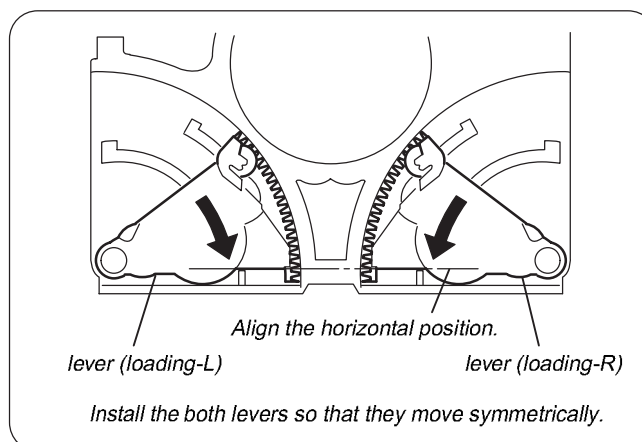
3-12. CHASSIS (TOP)



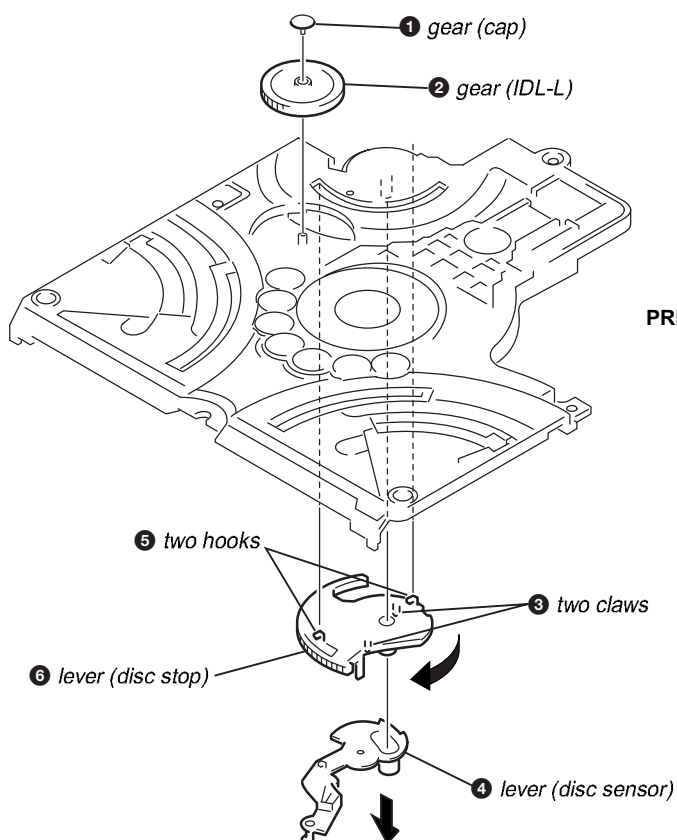
3-13. LEVER (LOADING-R/L)



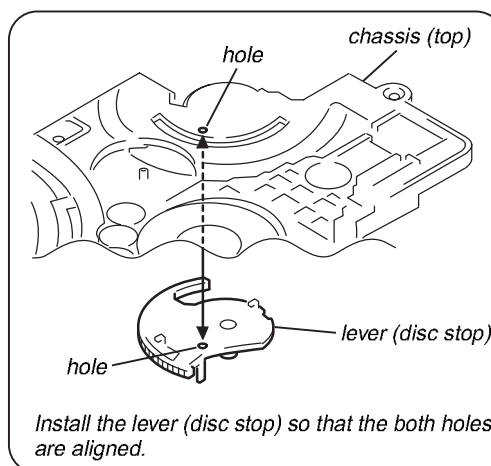
PRECAUTION DURING LEVER (LOADING-R/L) INSTALLATION



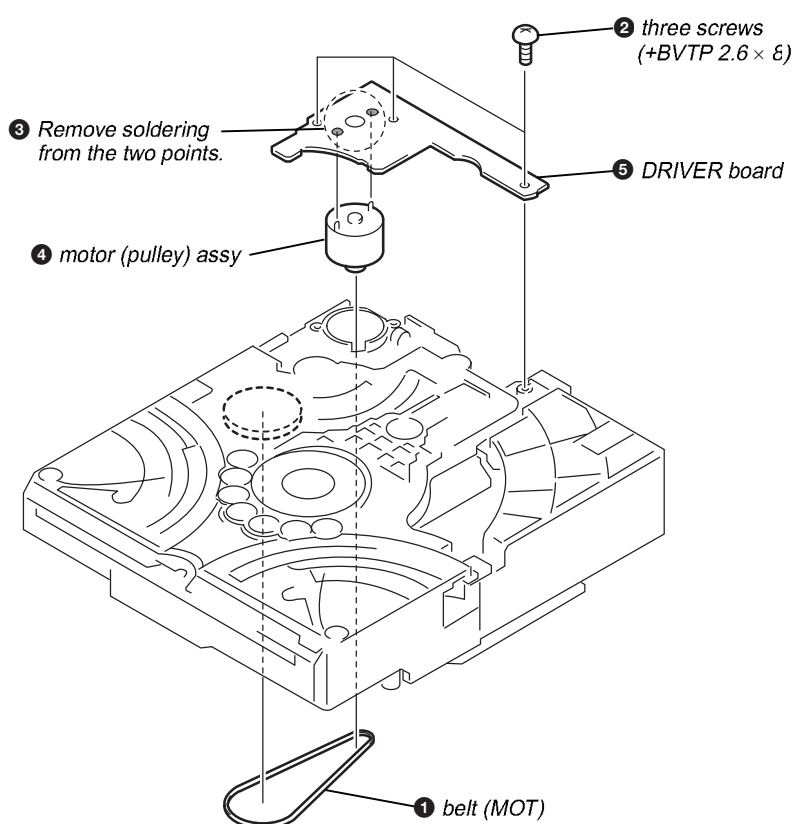
3-14. LEVER (DISC STOP), DISC SENSOR LEVER



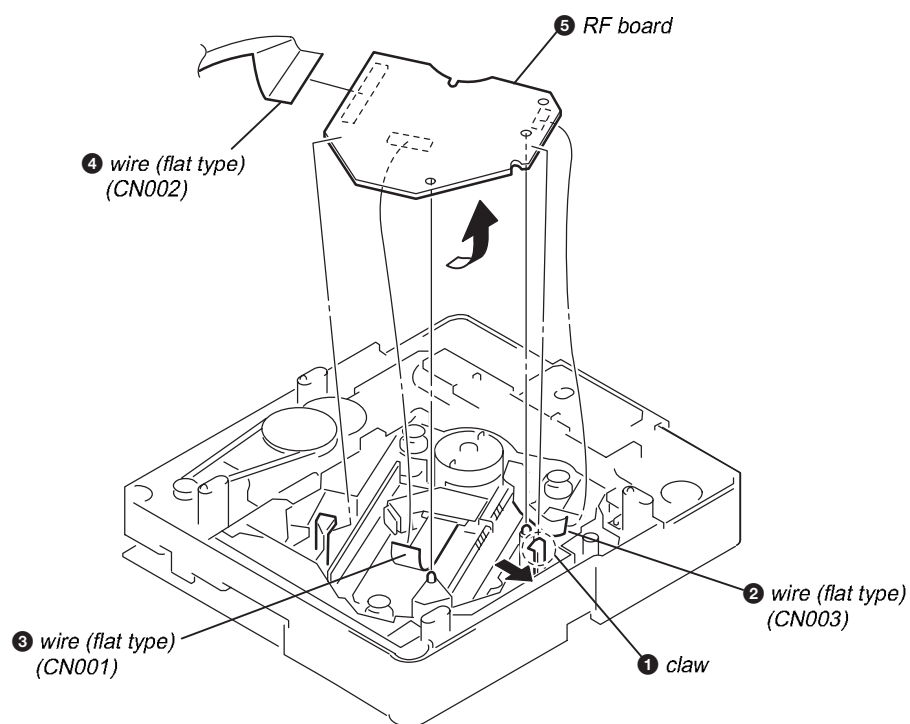
PRECAUTION DURING LEVER (DISC STOP) INSTALLATION



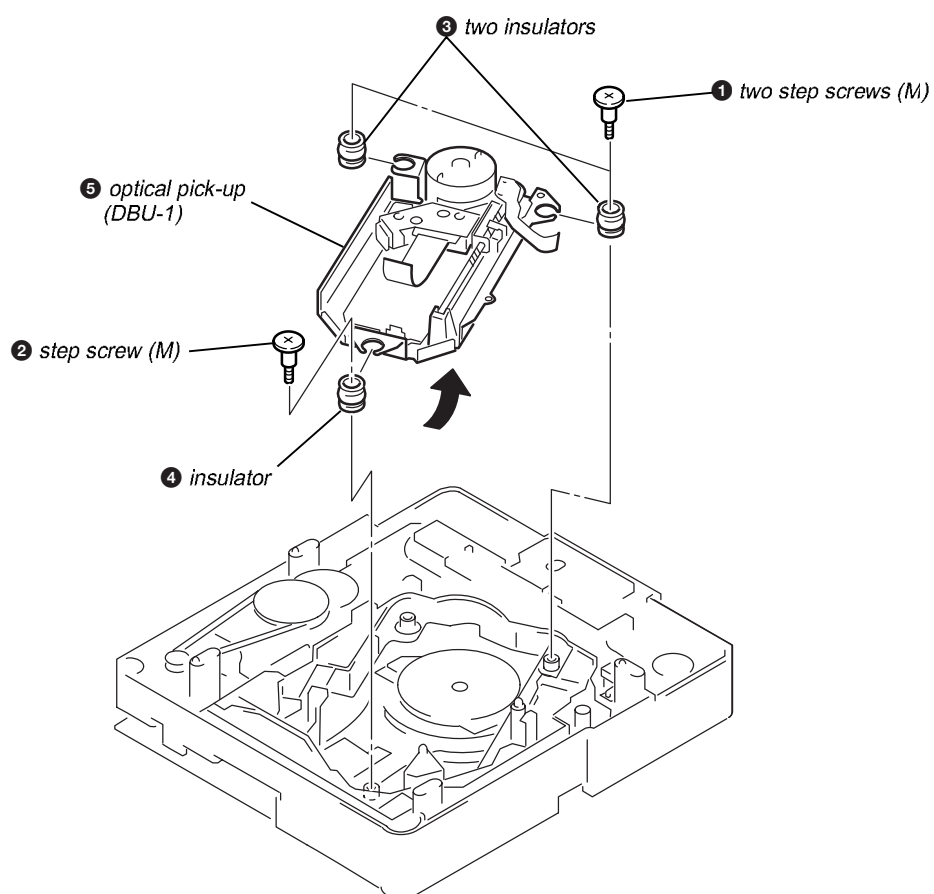
3-15. DRIVER BOARD



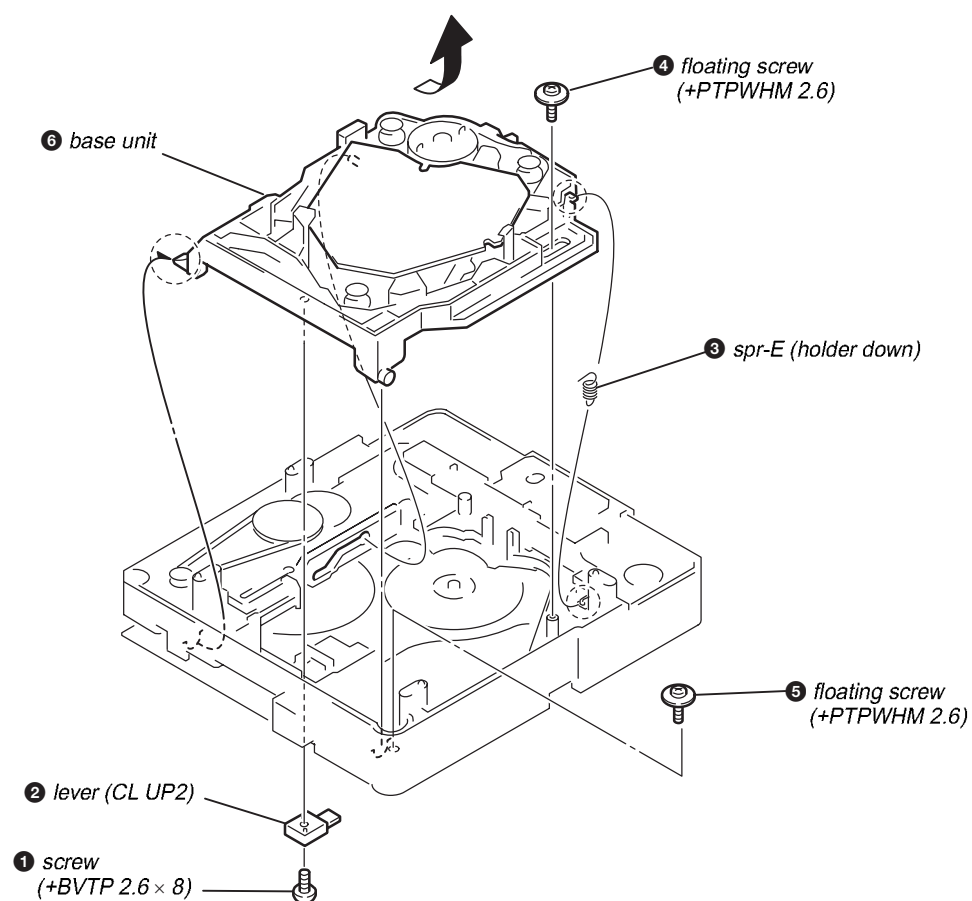
3-16. RF BOARD



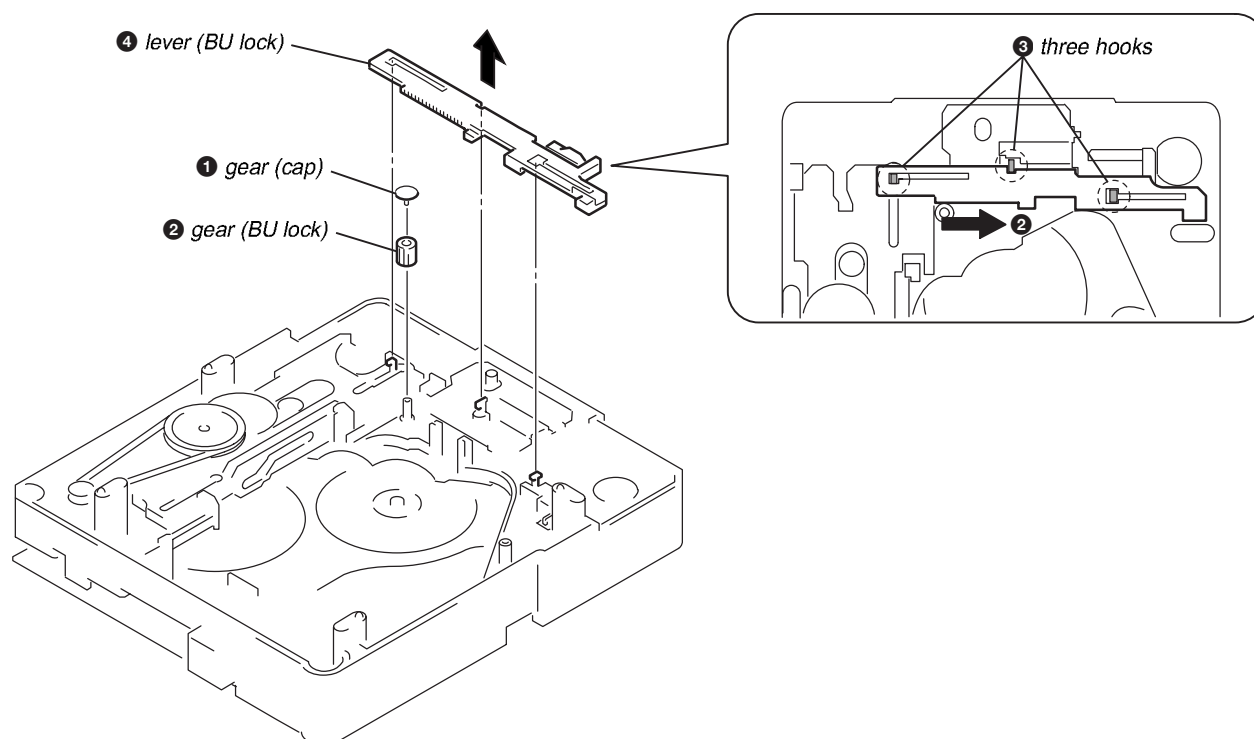
3-17. OPTICAL PICK-UP



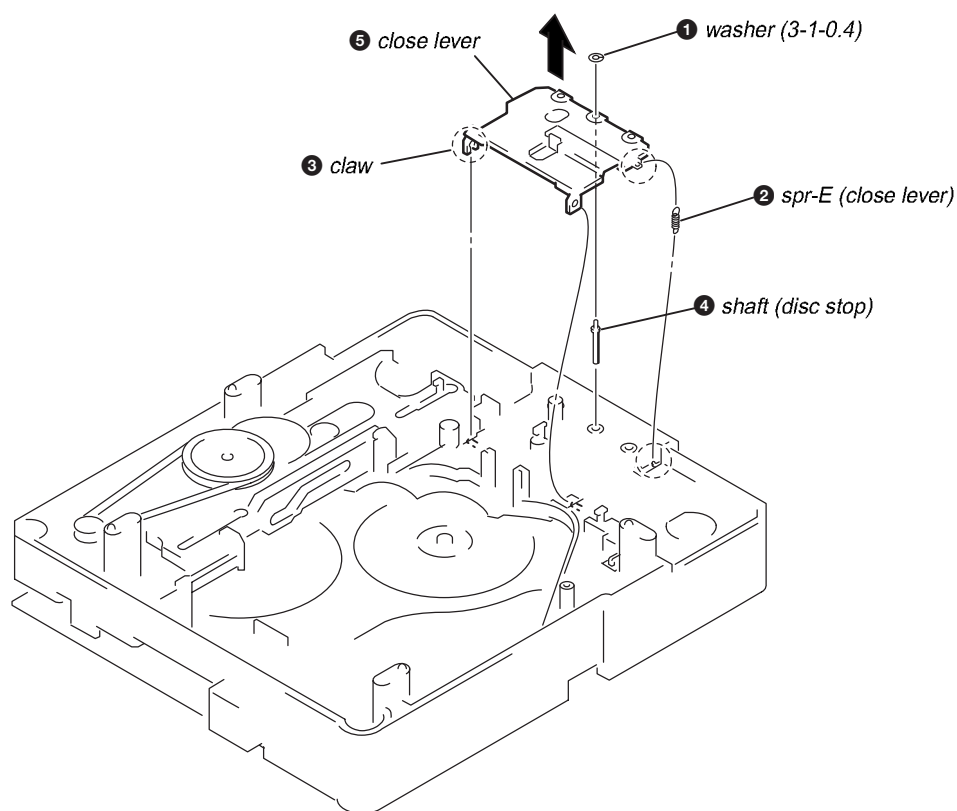
3-18. BASE UNIT



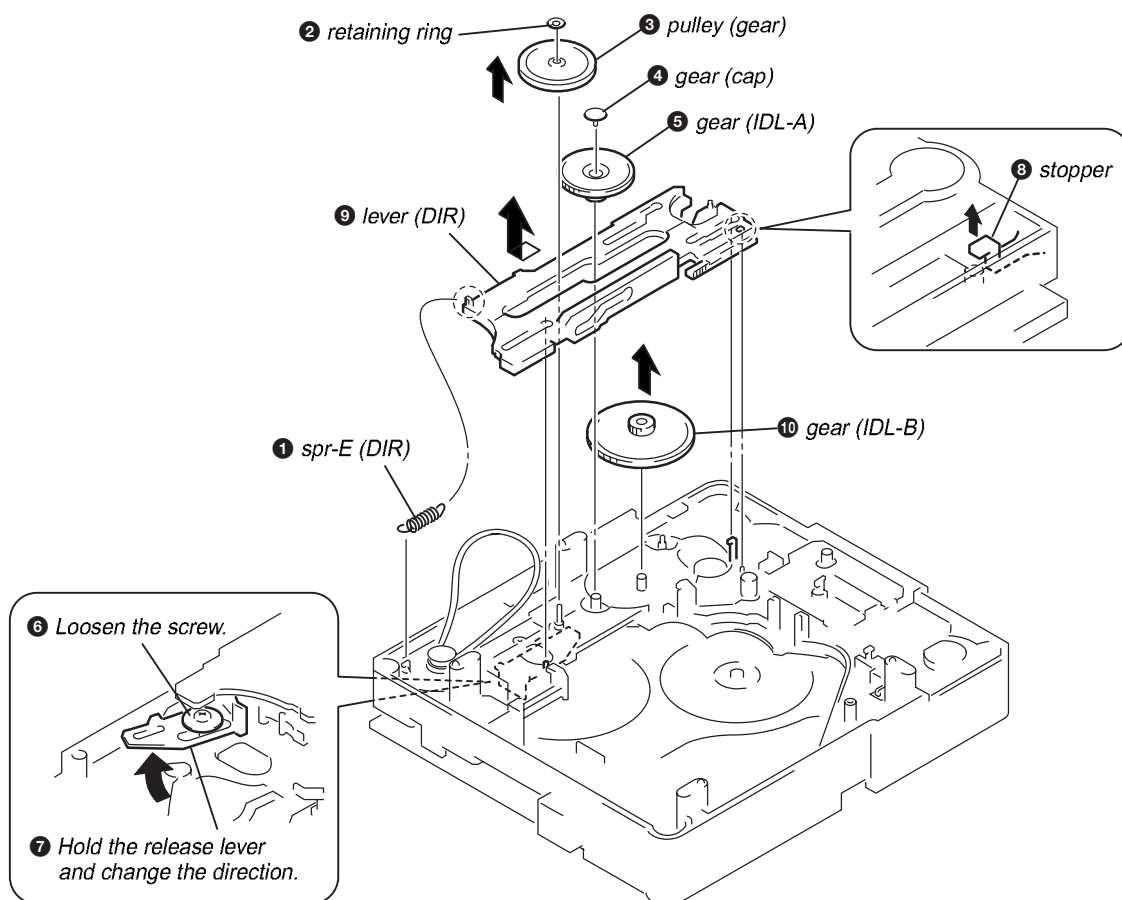
3-19. LEVER (BU LOCK)



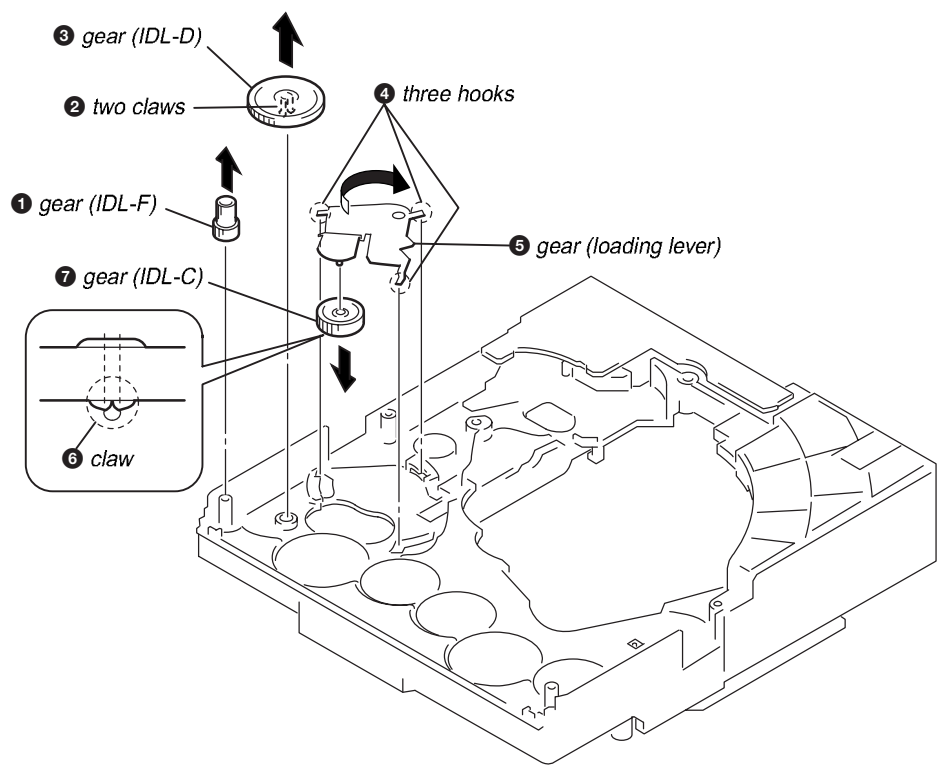
3-20. CLOSE LEVER



3-21. LEVER (DIR), GEAR (IDL-B)



3-22. GEAR (IDL-C)



SECTION 4 TEST MODE

[Version Display Mode]

* The software version is displayed.

Procedure:

1. Press three buttons of **[II]**, **[PRESET+]** and **[FUNCTION]** simultaneously for two seconds.
2. The message "MODEL NAME & AREA" is displayed. The version display mode is activated.
3. Press the **[DISPLAY]** button. "STR ***" is displayed.
4. Each time the **[DISPLAY]** button is pressed, the display changes in the order of DVD, MODEL NAME & AREA and STR.
5. To exit from this mode, press the **[I/⏻]** button.

[Key Test Mode]

* Button check

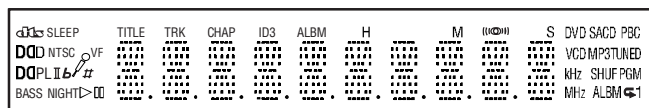
Procedure:

1. Press three buttons of **[■]**, **[FUNCTION]** and **[▲]** simultaneously.
2. The message "KEY00 V.OL" is displayed.
3. Each time a button is pressed, "KEY00 V.OL" value increases. However, once a button is pressed, it is no longer taken into account.
4. When all buttons are pressed, "KEY12 V.OL" appears and the number blinking is stopped.
5. To exit from this mode, disconnect the power cord.

[Display Test Mode]

Procedure:

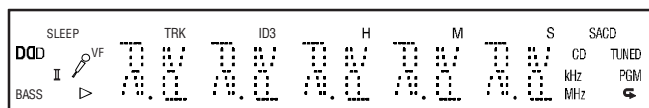
1. Press three buttons of **[II]**, **[PRESET-]** and **[FUNCTION]** simultaneously.
2. All segments are turned on.



3. Press the **[DISPLAY]** button, all segments are turned off.
4. When the **[DISPLAY]** button is pressed, the display will light up as follows.



5. Press the **[DISPLAY]** button and confirm the display.



6. Every pressing of the **[DISPLAY]** button turns on each segments in the same order.
7. To exit from this mode, press the **[I/⏻]** button.

[OSD Test Mode]

Procedure:

1. Press the **[I/⏻]** button on the main unit or the **[I/⏻]** button on the remote commander to turn the set on.
2. Press two buttons of **[▲]**, **[■]** and turn the **[VOLUME]** control clockwise simultaneously.
3. The message "SERVICE IN" is displayed on the display. The Test Mode Menu is displayed on the TV screen.
4. To execute each function, select the number on the remote commander.
5. See the following section for explanation in detail.
6. To exit from this mode, press the **[I/⏻]** button.

[Disc Slot Lock]

The disc slot lock function for the antitheft of an demonstration disc in the store is equipped.

Setting Procedure:

1. Turn the set on.
2. Press two buttons of **[■]** and **[▲]** simultaneously for five seconds.
3. The message "LOCKED" is displayed and the slot is locked.

Releasing Procedure:

1. Press two buttons of **[■]** and **[▲]** simultaneously for five seconds again.
2. The message "UNLOCKED" is displayed and the slot is unlocked.

Note : When "LOCKED" is displayed, the slot lock is not released by turning power on/off with the **[I/⏻]** button.

[Repeat Limit Release Mode]

Procedure:

1. Press three buttons of **[■]**, **[PRESET+]** and **[FUNCTION]** simultaneously.
2. Repeat limit is released.

[GENERAL DESCRIPTION]

The Test Mode allows you to make diagnosis and adjustment easily using the remote commander and monitor TV. The instructions, diagnostic results, etc. are given on the on-screen display (OSD).

[TEST DISC LIST]

Use the following test disc on test mode.




TDV-520CSO (DVD-SL): PART No. J-2501-236-A

LUV-P01 (CD): PART No. 4-999-032-01

TDV-540C (DVD-DL): PART No. J-2501-235-A

Note: Do not use exiting test disc for DVD.

[STARTING TEST MODE]

1. Press the  button to turn the power on.
2. Press two buttons of  ,  and turn the **[VOLUME]** control clockwise simultaneously to enter the test mode.
3. It displays “SERVICE IN” on the fluorescent indicator tube, and displays the Test Mode Menu on the monitor screen as follows. (At the bottom of the menu screen, the model name and revision number are displayed)


```

Test Mode Menu

0. Syscon Diagnosis
1. Drive Auto Adjustment
2. Drive Manual Operation
3. Mecha Aging
4. Emergency History
5. Mecha Error History
6. Version Information
7. Video Level Adjustment

Exit: POWER Key

Model      :xx
Revision   :x.xx
  
```

4. To execute each function, select the desired menu and press its number on the remote commander.
5. To release from test mode, press the  button and turn the power off.

[OPERATING TEST MODE]

0. SYSCON DIAGNOSIS

The same contents as board detail check by serial interface can be checked from the remote commander operation.

On the Test Mode Menu screen, press **[10/0]** key on the remote commander, and the following Check Menu will be displayed.

```

### Syscon Diagnosis ###

Check Menu

0. Quit
1. All
2. Version
3. EEPROM
4. GPIO
5. SD Bus
6. Video
  
```

0-0. Quit

Quit the Syscon Diagnosis and return to the Test Mode Menu.

0-1. All (All items continuous check)

This menu checks all diagnostic items continuously. Normally, all items are checked successively one after another automatically unless an error is found, but at a certain item that requires judgment through a visual check to the result, the following screen is displayed for the key entry.

• Example display

```

### Syscon Diagnosis ###

Diag All Check
No.2 Version

2-3. ROM Check Sum
Check Sum = ****

Press NEXT Key to Continue
Press PREV Key to Repeat
  
```

For the ROM Check, the check sum calculated by the Syscon is output, and therefore you must compare it with the specified value for confirmation.

Following the message, press the **[NEXT ►►]** button to go to the next item, or press the **[◄◄ PREV]** button to repeat the same operation again.

To quit the diagnosis and return to Check Menu screen, press the **[RETURN]** key on the remote commander to display Check Menu.

• Error occurred

If an error occurred, the diagnosis is suspended and error is displayed. Press the **[RETURN]** key on the remote commander to quit the diagnosis, or press the **[◄◄ PREV]** button to repeat the same check where an error occurred, or press the **[NEXT ►►]** button to continue the check from the item next to faulty item.

General Description of Checking Method

Selecting 2 and subsequent items calls the submenu screen of each item. And selecting 2 and subsequent items executes respective menus and outputs the results.

For the contents of each submenu, see “Check Items List” as below.

Check Items List:

- 0-2. Version
 - 0-2-1. All
 - 0-2-2. Revision
 - 0-2-3. ROM Check Sum
 - 0-2-4. Model Type
 - 0-2-5. Region
- 0-3. EEPROM Check
 - 0-3-1. Sampling Check
 - 0-3-2. Detail Check
- 0-4. GP I/O Check
- 0-5. SD Bus Check
- 0-6. Video Check

0-2. Version

0-2-2. Revision

The revision number of ROM (IC205) that the program for the DVD system processor (IC206) is stored.

0-2-3. ROM Check Sum

Check sum is calculated. (4 digits hexadecimal number)

0-2-4. Model Type
Model name is displayed. (DAV-SCX)

0-2-5. Region
Model destination code is displayed. (2 digits number)

0-3. EEPROM Check

0-3-1. Sampling Check
EEPROM check at every 64 words.
It compares read data with write data of each address. When there are discrepancies between two data, it displays error.

0-3-2. Detail Check
EEPROM check at every 1 word.
It compares read data with write data of each address. When there are discrepancies between two data, it displays error.

0-4. GP I/O Check

Pull up/down setting check of the DVD system processor (IC206) pin 150, 151 and 154 (for clock setting port).

0-5. SD Bus Check

SD bus data check between DVD decoder (IC701) and D-RAM (IC706).

0-6. Video Check

Output the color bars for video level adjustment.

1. DRIVE AUTO ADJUSTMENT

On the Test Mode Menu screen, press the **[1]** key on the remote commander, and the Adjustment Menu will be displayed.

```

## Drive Auto Adjustment ##
      Adjustment Menu

0 . ALL
1 . DVD-SL
2 . CD
3 . DVD-DL

Exit: RETURN

```

Normally, **[10/0]** is selected to adjust DVD (single layer), CD and DVD (dual layer) in this order. But, individual items can be adjusted for the case where adjustment is suspended due to an error. In this mode, the adjustment can be made easily through the operation following the message displayed on the screen.
The disc used for adjustment must be the one specified for adjustment.

1-0. ALL

Press the **[10/0]** key on the remote commander, and the servo set data in EEPROM will be initialized. Then, 1. DVD-SL disc, 2. CD disc and 3. DVD-DL disc are adjusted in this order.
Each time one disc was adjusted, it is ejected. Replace it with the specified disc following the message. You can finish the adjustment by pressing the **[RETURN]** button on the remote commander.

Note: During adjustment of each disc, the measurement for disc type judgment is made. As automatic adjustment does not judge the disc type unlike conventional models, take care not to insert wrong type discs. Also, do not give a shock during adjustment.

1-1. DVD-SL (single layer)

Press the **[1]** key on the remote commander and insert a DVD single layer disc following the message. Then the adjustment will be made through the steps below, then adjusted values will be written to the EEPROM.

DVD Single Layer Disc Adjustment Steps:

1. Sled tilt reset
2. Disc check memory SL
3. Wait 300 msec
4. Set disc type SL
5. LD on
6. Spindle start
7. Wait 1 sec
8. Focus servo on 0
9. Auto track offset adjust
10. CLVA on
11. Wait 500 msec
12. Tracking on
13. Wait 1 sec
14. Sled on
15. Check CLV on
16. Auto LFO adjust
17. Auto focus offset adjust
18. Auto tilt position adjust
19. Auto focus gain adjust
20. Auto focus offset adjust
21. EQ boost adjust
22. Auto loop filter offset adjust
23. Auto track gain adjust
- Search Check
24. 32 track jump forward
25. 32 track jump reverse
26. 500 track jump forward
27. 500 track jump reverse
28. All servo stop
29. EEP copy loop filter offset

1-2. CD

Press the **[2]** key on the remote commander and insert a CD disc following the message. Then the adjustment will be made through the steps below, then adjusted values will be written to the EEPROM.

CD Adjustment Steps

1. Sled tilt rest
2. Disc check memory CD
3. Wait 500 msec
4. Set disc type CD
5. LD on
6. Spindle start
7. Wait 500 msec
8. Focus servo on 0
9. Auto track offset adjust
10. CLVA on
11. Wait 500 msec
12. Tracking on
13. (TC display start)
14. Wait 1 sec
15. Jitter display start
16. Sled ON
17. Check CLV on
18. Auto loop filter offset adjust
19. Auto focus offset adjust
20. Auto focus gain adjust
21. Auto focus offset adjust
22. EQ boost adjust
23. Auto LFO Adjust

24. Auto track gain adjust
- Search Check
25. 32Tj forward
26. 32Tj reverse
27. 500Tj forward
28. 500Tj reverse
29. All servo stop

1-3. DVD-DL (dual layer)

Press the **[3]** key on the remote commander and insert a DVD dual layer disc following the message. Then the adjustment will be made through the steps below, then adjusted values will be written to the EEPROM.

DVD Dual Layer Disc Adjustment Steps:

1. Sled tilt reset
2. Disc check memory DL
3. Wait 500 msec
4. Set disc type DL
5. LD on
6. Spindle start
7. Wait 1 sec

Layer 1 Adjust

8. Focus servo on 0
9. Auto track offset adjust
10. CLVA on
11. Wait 500 msec
12. Tracking on
13. Wait 500 msec
14. Sled on
15. Check CLV lock
16. Auto loop filter offset adjust, Auto focus adjust
17. Auto focus gain adjust
18. Auto focus offset adjust
19. EQ boost adjust
20. Auto loop filter offset adjust
21. Auto Track Gain Adjust

Search Check

22. 32 track jump forward
23. 32 track jump reverse
24. 500 track jump forward
25. 500 track jump reverse

Layer 0 Adjust

26. Focus jump (L1 → L0)
27. Auto track offset adjust L0
28. CLVA on
29. Wait 500 msec
30. Tracking on
31. Wait 500 msec
32. Sled on
33. Check CLV lock
34. Auto focus filter offset adjust
35. Auto Focus Adjust
36. Auto focus gain adjust
37. Auto focus offset adjust
38. EQ boost adjust
39. Auto Loop Filter Offset
40. Auto track gain adjust

Search Check

41. 32 track jump forward
42. 32 track jump reverse
43. 500 track jump forward
44. 500 track jump reverse

Layer Jump Check

45. Layer jump (L0 ? L1)
46. Layer jump (L1 ? L0)
47. All servo stop

2. DRIVE MANUAL OPERATION

Note: This mode is used for design, and not used in service fundamentally.

On the Test Mode Menu screen, press the **[2]** key on the remote commander, and the Operation Menu will be displayed. For the manual operation, each servo on/off control and adjustment can be executed manually.

```
## Drive Manual Operation ##
      Operation Menu
1. Disc Type
2. Servo Control
3. Track/Layer Jump
4. Non EEPROM Write Adjust
5. EEPROM Write Adjust
6. Memory Check
7. Disc Check Memory
8. Error Rate Display
9. SACD Water Mark

Exit: RETURN
```

In using the manual operation menu, take care of the following points. These commands do not provide protection, thus requiring correct operation. The sector address or time code field is displayed when a disc is loaded.

Note:

1. Set correctly the disc type to be used on the Disc Type screen.
2. In case of an alarm, immediately press the **[■]** button to stop the servo operation, and press the **[I/O]** button to turn the power off.

Basic operation:

(controllable from front panel or remote commander)

- | | |
|--|--|
| [I/O] | : Power OFF (release the Test Mode) |
| [■] | : Servo stop |
| [⏏] | : Stop and eject |
| [RETURN] | : Return to Operation Menu or Test Mode Menu |
| [◀PREV] , [NEXT▶] | : Transition between sub modes of menu |
| [1] to [9] , [10/0] | : Selection of menu items |
| Cursor [↓] / [↑] | : Increase/Decrease in manually adjusted value |

2-1. Disc Type

```

Disc Type

Disc Type Select

1. Disc Type Auto Check
2. Set Disc Type DVD
3. Set Disc Type CD
4. Set Disc Type Hybrid

Exit: RETURN

```

2-1-1. Disc Type Auto Check

- 1) Press the **[1]** key on the remote commander to display the Disc Type Auto Check screen.
- 2) Insert a disc and press the **[ENTER]** key on the remote commander.
- 3) It judges the type of inserted disc automatically and displays the disc type and so on as below.

```

Disc Type Auto Check

Disc Type      xx
Layer          xx
Mirr Time      xx
Mirr Count     xx
FZC Count      xx
PI Reference    xx
PI Peak        xx

ENTER.Execute

Exit: RETURN

```

Disc Type : CD, DVD or Hybrid (SACD)
 Layer : SINGLE, DUAL or HYBRID
 Mirr Time : Mirror time of between disc surface and record surface when disc type judgment. (hexadecimal number)
 Mirr Count : The number of times which mirror counts between disc surface and record surface when disc type judging. (hexadecimal number)
 FZC Count : The number of times which focus zero cross points of each layer when lens down. (hexadecimal number)
 PI Reference : The average of PI reference voltage. (hexadecimal number)
 PI Peak : PI peak level voltage. It performs only when disc type judgment is successful. (hexadecimal number)

2-1-2. Disc Type DVD

It sets up so that it may judge as a disc type of specification of the disc with which the set was inserted.

- [1]**: DVD single layer disc (12 cm)
- [2]**: DVD dual layer disc (0 layer, 12 cm)
- [3]**: DVD dual layer disc (1 layer, 12 cm)
- [4]**: DVD-RW disc (12 cm)
- [5]**: DVD single layer disc (8 cm)
- [6]**: DVD dual layer disc (0 layer, 8 cm)
- [7]**: DVD dual layer disc (1 layer, 8 cm)
- [8]**: DVD-RW disc (8 cm)

2-1-3. Disc Type CD

It sets up so that it may judge as a disc type of specification of the disc with which the set was inserted.

- [1]**: CD disc (normal speed, 12 cm)
- [2]**: CD disc (double speed, 12 cm)
- [3]**: CD disc (normal speed, 8 cm)
- [4]**: CD disc (double speed, 8 cm)
- [5]**: CD-RW disc (normal speed, 12 cm)
- [6]**: CD-RW disc (double speed, 12 cm)
- [7]**: CD-RW disc (normal speed, 8 cm)
- [8]**: CD-RW disc (double speed, 8 cm)

2-1-4. Disc Type Hybrid

It sets up so that it may judge as a disc type of specification of the disc with which the set was inserted.

- [1]**: SACD Hybrid disc (SACD layer, 12 cm)
- [2]**: SACD Hybrid disc (CD layer, normal speed, 12 cm)
- [3]**: SACD Hybrid disc (CD layer, double speed, 12 cm)
- [4]**: SACD Hybrid disc (SACD layer, 8 cm)
- [5]**: SACD Hybrid disc (CD layer, normal speed, 8 cm)
- [6]**: SACD Hybrid disc (CD layer, double speed, 8 cm)

2-2. Servo Control

Note: Be sure to perform the disc type setup before performing this item.

```

Servo Control

1.LD          off R.Sled FWD
2.Focus       off L.Sled REV
3.SPDL        off U.Sled Reset
4.CLVA        off D.Sled Limit
5.Trk.        off
6.Sled        off
7.Fcs.Srch    off

0.All Servo Off

Exit: RETURN

```

On this screen, the servo on/off control necessary for replay is executed. Normally, turn on each servo from 1 sequentially and when CLVA is turned on, the usual trace mode becomes active. In the trace mode, DVD sector address or CD time code is displayed. This is not displayed where the spindle is not locked. The spindle could run overriding the control if the spindle system is faulty or RF is not present. In such a case, do not operate CLVA.

- [1]** LD : Turn on/off the laser.
- [2]** Focus : Search the focus and turn on the focus.
- [3]** SPDL : Turn on/off the spindle.
- [4]** CLVA : Turn on/off normal servo of spindle servo.
- [5]** Trk. : Turn on/off the tracking servo.
- [6]** Sled : Turn on/off the sled servo.
- [7]** FCS. Srch : Turn on/off the focus search.
- [8]** FCS. OppL : Turn on/off the focus search to another layer of designated layer in Disc Type setting. (dual layer disc only)
- [10/0]** : All servo off.
- [R]** Sled FWD (right cursor) : Move the sled forward.
- [L]** Sled REV (left cursor) : Move the sled reverse.
- [U]** Sled FWD (up cursor) : Reset the sled.
- [D]** Sled REV (down cursor) : Limit in the sled.

2-3. Track/Layer Jump

Track/Layer Jump			
1.	1Tj	FWD R.Lj	L0>L1
2.	1Tj	REV L.Lj	L1>L0
3.	500Tj Fine	FWD U.Fj	L0>L1
4.	500Tj Fine	REV D.Fj	L1>L0
5.	10kTj Dirc	FWD	
6.	10kTj Dirc	REV	
7.	20kTj Dirc	FWD	
8.	20kTj Dirc	REV	
0. All Servo Off			
Exit: RETURN			

On this screen, track jump, etc. can be performed. Only for the DVD dual layer disc, the focus jump and layer jump are displayed in the right field

- [1] 1Tj FWD : 1 track jump forward.
- [2] 1Tj REV : 1 track jump reverse.
- [3] 500Tj FWD : 500 track jump (fine search) forward.
- [4] 500Tj REV : 500 track jump (fine search) reverse.
- [5] 10kTj FWD : 10k track jump (direct search) forward.
- [6] 10kTj REV : 10k track jump (direct search) reverse.
- [7] 20kTj FWD : 20k track jump (direct search) forward.
- [8] 20kTj REV : 20k track jump (direct search) reverse.
- [10/0] : All servo off.

2-4. Non EEPROM Write Adjust

Non EEPROM Write Adjust			
1.	Focus	Offset	
2.	Focus	Gain	
3.	Trk.	Offset Coarse	
4.	Trk.	Offset Fine	
5.	Trk.	Gain	
6.	EQ	Boost	
0.All Servo Off			
Exit: RETURN			

On this screen, each item can be adjusted manually. Select the desired number [1] to [10/0] from the remote commander, and current setting for the selected item will be displayed, then increase or decrease numeric value with the [↑] key or [↓] key. This value is stored in the EEPROM. If CLV has been applied, the jitter is displayed for reference for the adjustment.

- [1] Focus Offset : Adjusts focus offset.
- [2] Focus Gain : Adjusts focus gain.
- [3] TRK. Offset : Adjusts tracking offset of the RF amp (IC001) side.
- [4] TRK. Offset : Adjusts tracking offset of the DSP (IC401) side.
- [5] TRK. Gain : Adjusts track gain.
- [6] EQ Boost : Adjusts amount of boost of equalizer.
- [10/0] : All servo off.

2-5. EEPROM Write Adjust

EEPROM Write Adjust			
1.	Focus	Offset	
2.	Focus	Gain	
3.	Trk.	Offset Coarse	
4.	_____		
5.	Trk.	Gain	
6.	EQ	Boost	
0.All Servo Off			
Exit: RETURN			

On this screen, each item can be adjusted automatically. Select the desired number [1] to [10/0] from the remote commander, and selected item is adjusted automatically.

- [1] Focus Offset : Adjusts focus offset.
- [2] Focus Gain : Adjusts focus gain.
- [3] TRK. Offset : Adjusts tracking offset of the RF amp (IC001) side.
- [5] TRK. Gain : Adjusts track gain.
- [6] EQ Boost : Adjusts amount of boost of equalizer.
- [10/0] : All servo off.

2-6. Memory Check

Display images are shown as follows, and all two screens are able to switch by the [↑] key (UP) or [↓] key (DW).

EEPROM Data 1/2	CD	SL	L0	L1
Focus Gain	xx	xx	xx	xx
Trk. Gain	xx	xx	xx	xx
Focus Offset	xx	xx	xx	xx
Trk. Offset	xx	xx	xx	xx
EQ. Boost	xx	xx	xx	xx
PI Level	xx	xx	--	--
Fcs. Balance	--	xx	--	--
Jitter	xx	xx	xx	xx
Mirror Time	xx	xx	xx	--
FE Level	--	xx	--	--
Traverse Lvl.	--	xx	--	--
Next:DW Default:CLR		Exit:RET		

EEPROM Data 2/2	CDRW	DVDRW
Focus Gain	xx	xx
Trk. Gain	xx	xx
Focus Offset	xx	xx
Trk. Offset	xx	xx
EQ. Boost	xx	xx
Prev:UP Default:CLR		Exit:RET

On this screen, current servo adjusted data stored in the EEPROM are displayed. The adjusted data are initialized by pressing the [CLEAR] key, but be careful that they are not recoverable after initialization.

Before clearing the adjusted data, make a note of the set data. This screen will also appear if [0]-All is selected in the Drive Auto Adjustment. In this case, default setting cannot be made.

2-7. Disc Check Memory

```

Disc Check Memory

1. SL Disc check
2. CD Disc check
3. DL Disc check

Exit: RETURN

```

On this screen, measure the mirror time of chucked disc, and write to the EEPROM.

2-8. Error Rate Display

```

Error Rate Display
      UC   CR Address
PI1 Err Now xx xxxx xxxxxxxx
      Max xx xxxx xxxxxxxx
      Avg xx xxxx
PI2 Err Now xx xxxx xxxxxxxx
      Max xx xxxx xxxxxxxx
      Avg xx xxxx
PO  Err Now xx xxxx xxxxxxxx
      Max xx xxxx xxxxxxxx
      Avg xx xxxx

Start:ENTER      Exit: RETURN

```

On this screen, measure and display the error rate.

UC : Incorrect value
CR : Correct value

2-9. SACD Water Mark Check

```

SACD Water Mark Check

PSP AMP
PSN

Start: ENTER      Exit: RETURN

```

On this screen, measure the PSP AMP value and PSN value of SACD water mark.

3. EMERGENCY HISTORY

On the Test Mode Menu screen, selecting [4] displays the information such as servo emergency history.

The history information from last 1 up to 10 can be scrolled with the [↑] key or [↓] key. Also, specific information can be displayed by directly entering that number with ten keys.

```

### EMG. History ###

Laser Hours      CD  xxxhxxxm
                  DVD xxxhxxxm

a.  bb xx xx xx  xx xx xx xx
    xx xx xx xx  xx xx xx xx

a.  bb xx xx xx  xx xx xx xx
    xx xx xx xx  xx xx xx xx

Select:1-9      Scroll:UP/DOWN
(1.Latest EMG.) Exit: RETURN

```

xxxhxxxm: The laser on total hours. Data below minutes are omitted.

a. : Error number.

bb : Error code.

xx : Not used.

• Clearing History Information

Clearing laser hours:

Press the [DVD DISPLAY] and [CLEAR] keys in this order.
Then both CD and DVD data are cleared.

Clearing emergency history:

Press the [DVD TOP MENU] and [CLEAR] keys in this order.

Initializing set up data:

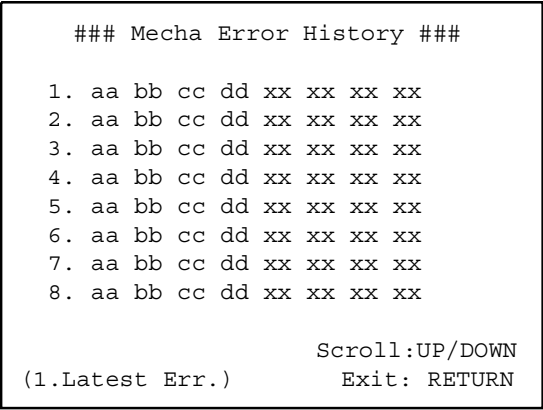
Press [DVD MENU] and [CLEAR] keys in this order.
The data have been initialized when "EEPROM Initialize Finished." message is displayed. The EMG. History screen will be restored soon.

• Code list of Emergency History

- 10: Communication to RF AMP (IC001) failed.
- 11: Each servo for focus, tracking, and spindle is unlocked.
- 12: Check sum error of EEPROM (IC203).
- 14: Communication to servo DSP (IC401) failed, or servo DSP (IC401) is faulty.
- 15: Communication to DVD decoder (IC701) failed, or DVD decoder (IC701) is faulty.
- 16: Communication to DSD decoder (IC801) failed, or DSD decoder (IC801) is faulty.
- 20: Initialization of sled servo failed. It is not placed in the initial position.
- 23: Sled servo operation error.
- 24: Made a request to move the sled servo to wrong position.
- 30: Tracking balance adjustment error.
- 31: Tracking gain adjustment error.
- 33: Focus bias adjustment error.
- 34: Focus gain adjustment error.
- 35: Equalizer adjustment error.
- 40: Focus servo does not operate.
- 41: With a DVD dual layer disc, focus jump failed.
- 50: CLV (spindle) servo does not operate.
- 51: Spindle does not stop.
- 60: Made a request to seek nonexistent address.
- 61: Seek error of retry more than regulated times.
- 70: Control data could not be read.
- 80: Disc reading failed.

4. MECHA ERROR HISTORY

On the Test Mode Menu screen, selecting [5] displays the information of mechanism deck error history.
The history information from last 1 up to 8 can be scrolled with the [↑] key or [↓] key. Also, specific information can be displayed by directly entering that number with ten keys.



aa : The error in the midst of initializing the mechanism deck.
bb : The error in the midst of loading operation.
cc : The error in the midst of up/down the stocker.
dd : The error in the midst of switching the mechanism deck mode.
xx : Not used.

• Error code (aa)

- FF : Complete the initializing. (normal operation)
- 11 : Stocker movement (to chucking position) failing in the midst of initializing the mechanism deck.
- 12 : Stocker movement (to chucking position) failing in the midst of initializing the mechanism deck.
- 1x : Initializing the mechanism deck.
- 2x : Initializing the mechanism deck.
- 3x : Initializing the mechanism deck.
- 41 : Disc eject failing in the midst of initializing the mechanism deck.
- 4x : Initializing the mechanism deck.
- 50 : Disc eject failing in the midst of initializing the mechanism deck.
- 5x : Initializing the mechanism deck.
- A2 : Disc eject failing in the midst of initializing the mechanism deck.
- Ax : Initializing the mechanism deck.
- D3 : Disc eject failing in the midst of initializing the mechanism deck.
- Dx : Initializing the mechanism deck.
- Ex : Initializing the mechanism deck.

• Error code (bb)

- 00 : Initializing the mechanism deck.
- 10 : Retry over of eject and loading.
- 30 : Open operation in no disc status.
- 60 : Retry over of eject and loading.
- 70 : Disc is chucking position.
- 81 : Retry failed of disc movement from chucking position to stocker.
- 83 : Retry preparation failed of disc movement from chucking position to stocker.
- 90 : Disc is stored in the stocker.
- A1 : Retry failed of disc movement from stocker to chucking position.
- A3 : Retry preparation failed of disc movement from stocker to chucking position.
- B0 : Just before the release operation.
- B1 : Retry failed of the release operation.

• Error code (cc)

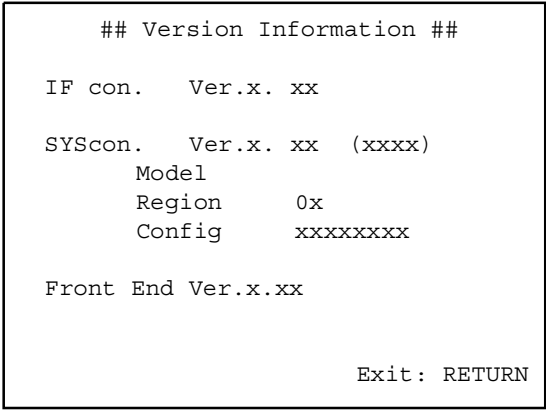
- 10 : Under a stop.
- 22 : Retry preparation failed.
- 23 : Retry failed.

• Error code (dd)

- 10 : Under a stop.
- 22 : Retry preparation failed.
- 23 : Retry failed.

5. VERSION INFORMATION

On the Test Mode Menu screen, selecting [6] displays the ROM version and region code.
The parenthesized hexadecimal number in version field is checksum value of ROM.



IF con. : The version of system controller (IC901).
SYScon. : The version of DVD system processor (IC206).
Front End: The version of mechanism controller (IC301).

6. VIDEO LEVEL ADJUSTMENT

On the Test Mode Menu screen, selecting [7] displays color bars for video level adjustment. During display of color bars, OSD disappears but the menu screen will be restored if pressing the [RETURN] key.

SECTION 5 ELECTRICAL ADJUSTMENT

[TEST DISC LIST]

Use the following test disc on test mode.

TDV-520CSO (DVD-SL): PART No. J-2501-236-A

LUV-P01 (CD): PART No. 4-999-032-01

TDV-540C (DVD-DL): PART No. J-2501-235-A

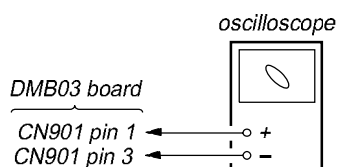
Note: Do not use exiting test disc for DVD.

AUTO SERVO ADJUSTMENT

After parts related to the servo circuit (RF amplifier (IC001), DSP (IC401), motor driver (IC501), EEPROM (IC302) so on) are replaced, re-adjusting the servo circuit is necessary. Select "ALL" at "1. DRIVE AUTO ADJUSTMENT" (Refer to page 29 in TEST MODE) and adjust DVD-SL (single layer), CD and DVD-DL (dual layer).

DECISION TO PASS OR FAIL OF THE OPTICAL PICK-UP BLOCK

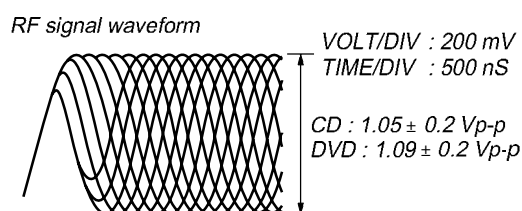
Connection:



Procedure:

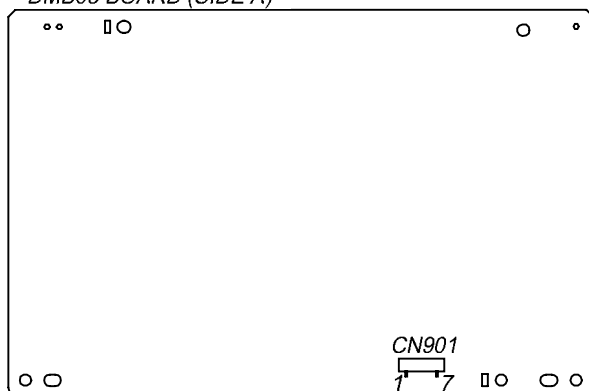
1. Connect an oscilloscope to test point pin ① and pin ③ of CN901 on the DMB03 board.
2. Turn the power on.
3. Put the disc (LUV-P01) (Part No.: 4-999-032-01) (CD) in to playback.
4. Confirm that oscilloscope waveform is clear and check RF signal level is correct or not.
5. Put the disc (TDV-520CSO) (Part No.: J-2501-236-A) (DVD) in to playback.
6. Perform Confirmation in the same manner as step 4.

Note: A clear RF signal waveform means that the shape "◇" can be clearly distinguished at the center of the waveform.



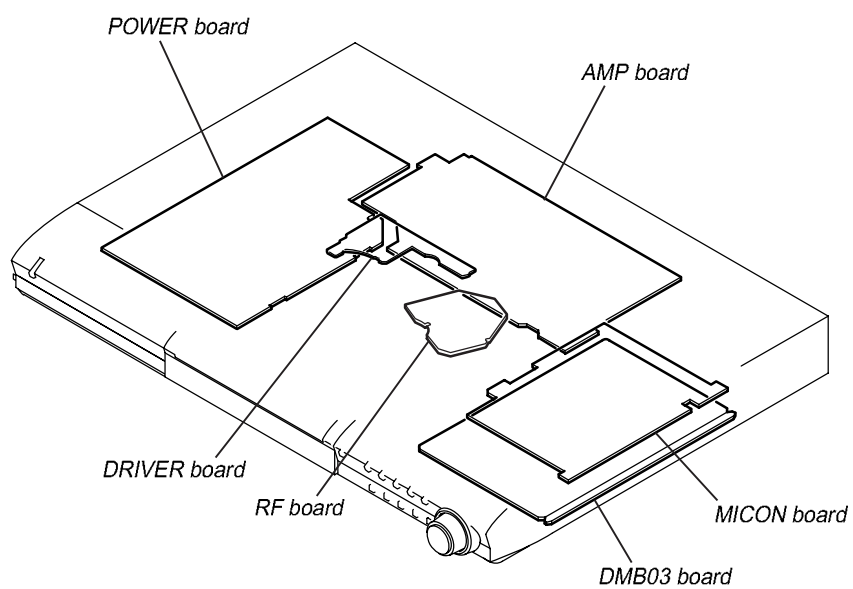
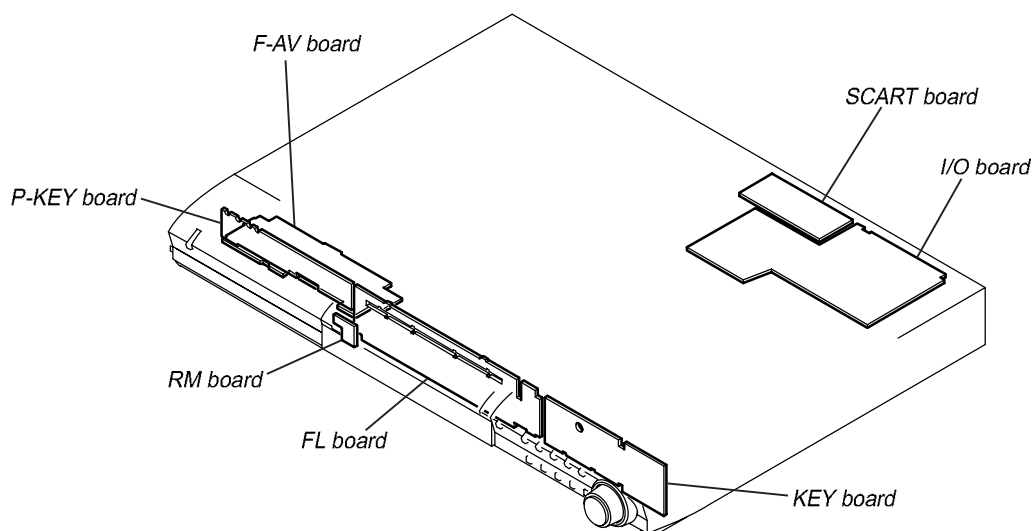
Checking Location:

– DMB03 BOARD (SIDE A) –






SECTION 6 DIAGRAMS

6-1. CIRCUIT BOARDS LOCATION












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





for schematic diagram:

- All capacitors are in μF unless otherwise noted. pF: μpF
50 WV 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.
- \triangle : internal component.
-  : nonflammable resistor.
-  : fusible resistor.
-  : panel designation.

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

-  : B+ Line.
-  : B- Line.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
no mark : DVD PLAY
() : DVD STOP
- Voltages are taken with a VOM (Input impedance $10\text{M}\Omega$).
Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 -  : TUNER (FM/AM)
 -  : VIDEO (COMPONENT)
 -  : VIDEO (COMPOSITE)
 -  : VIDEO (AUDIO)
 -  : DVD (AUDIO)
 -  : DVD (RF)
 -  : DVD (DIGITAL)

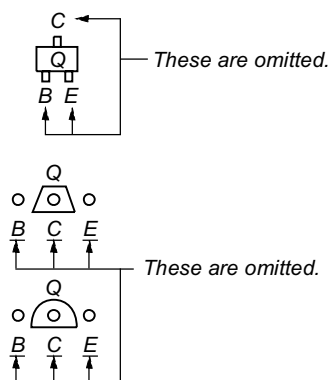
for printed wiring boards:

-  : parts extracted from the component side.
-  : parts mounted on the conductor side.
-  : Through hole.
- \triangle : internal component.
-  : Pattern from the side which enables seeing.

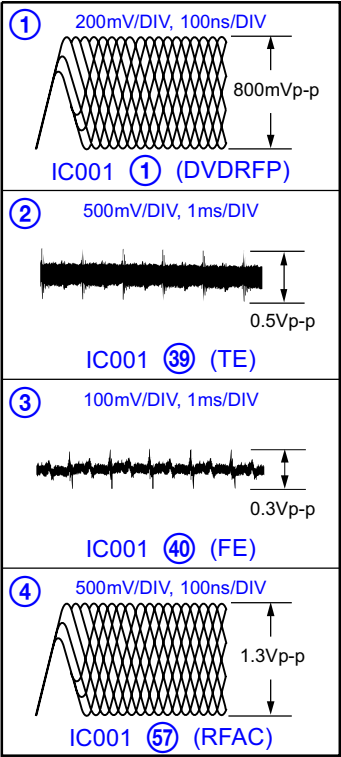
Caution:

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

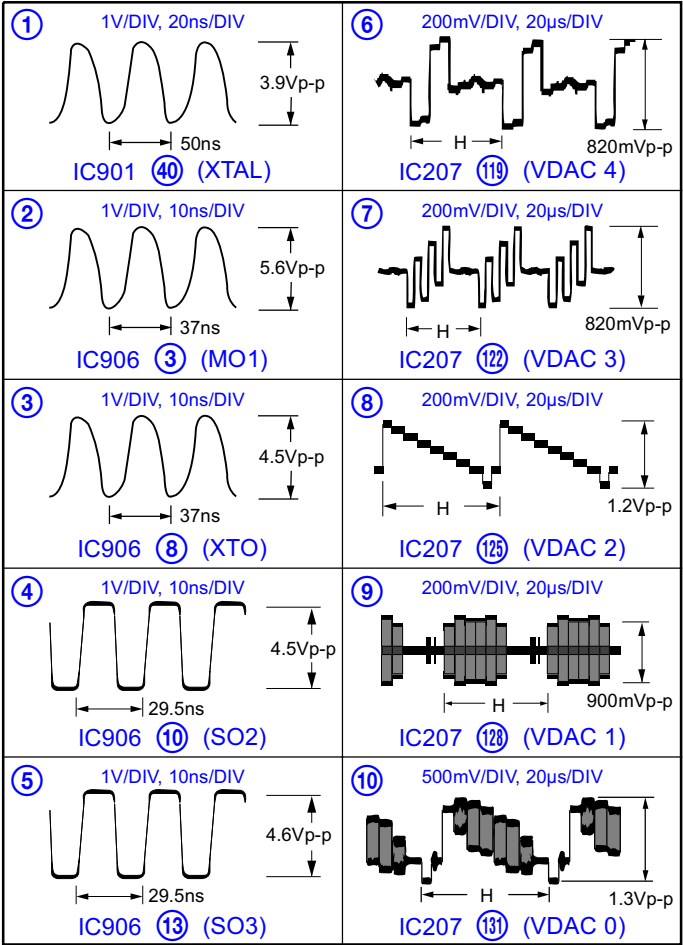
Parts face side: Parts on the parts face side seen from the (Side A) parts face are indicated.



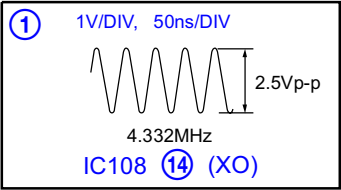
• Waveforms
– RF Board –



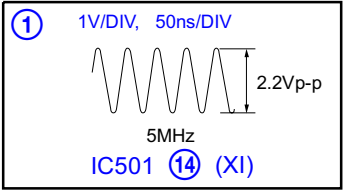
– DM03 Board –

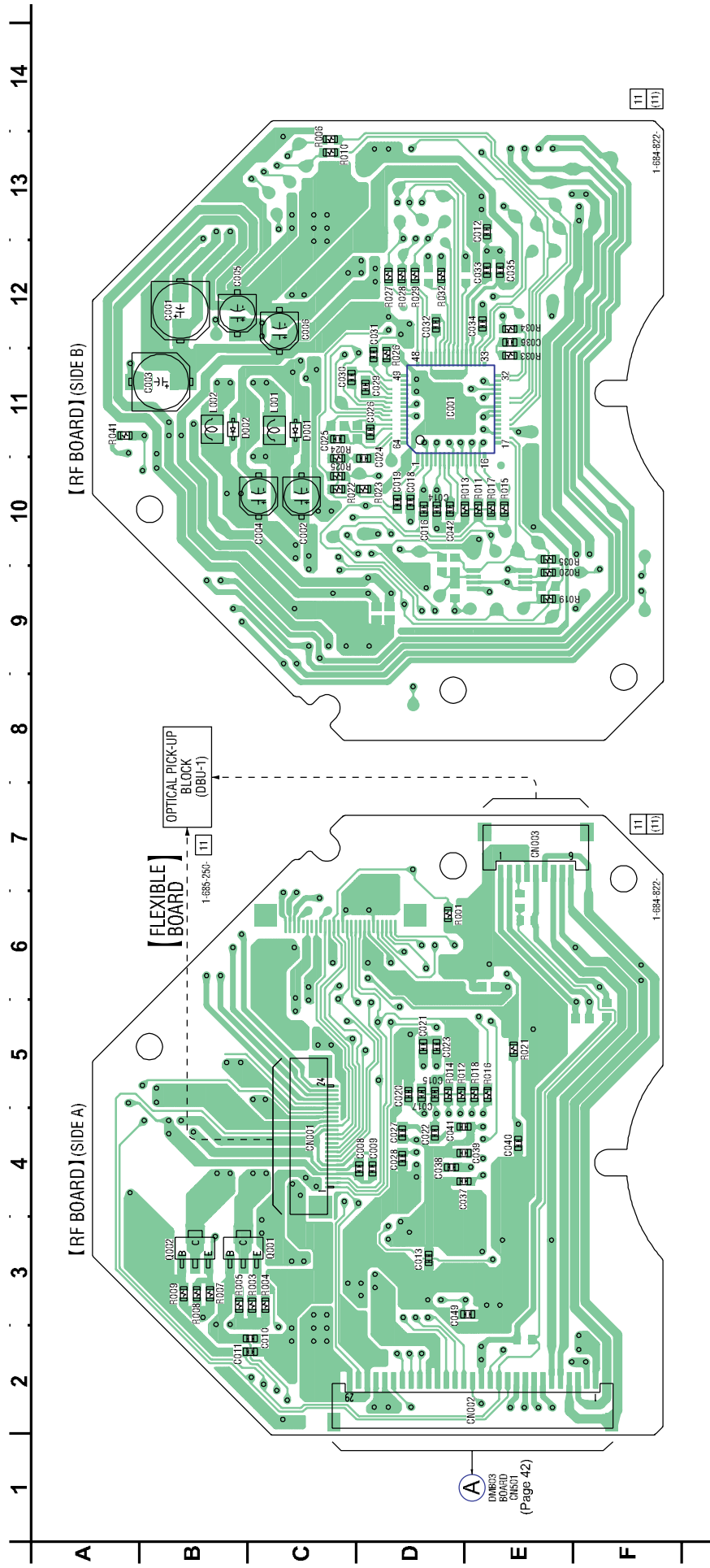


– I/O Board –



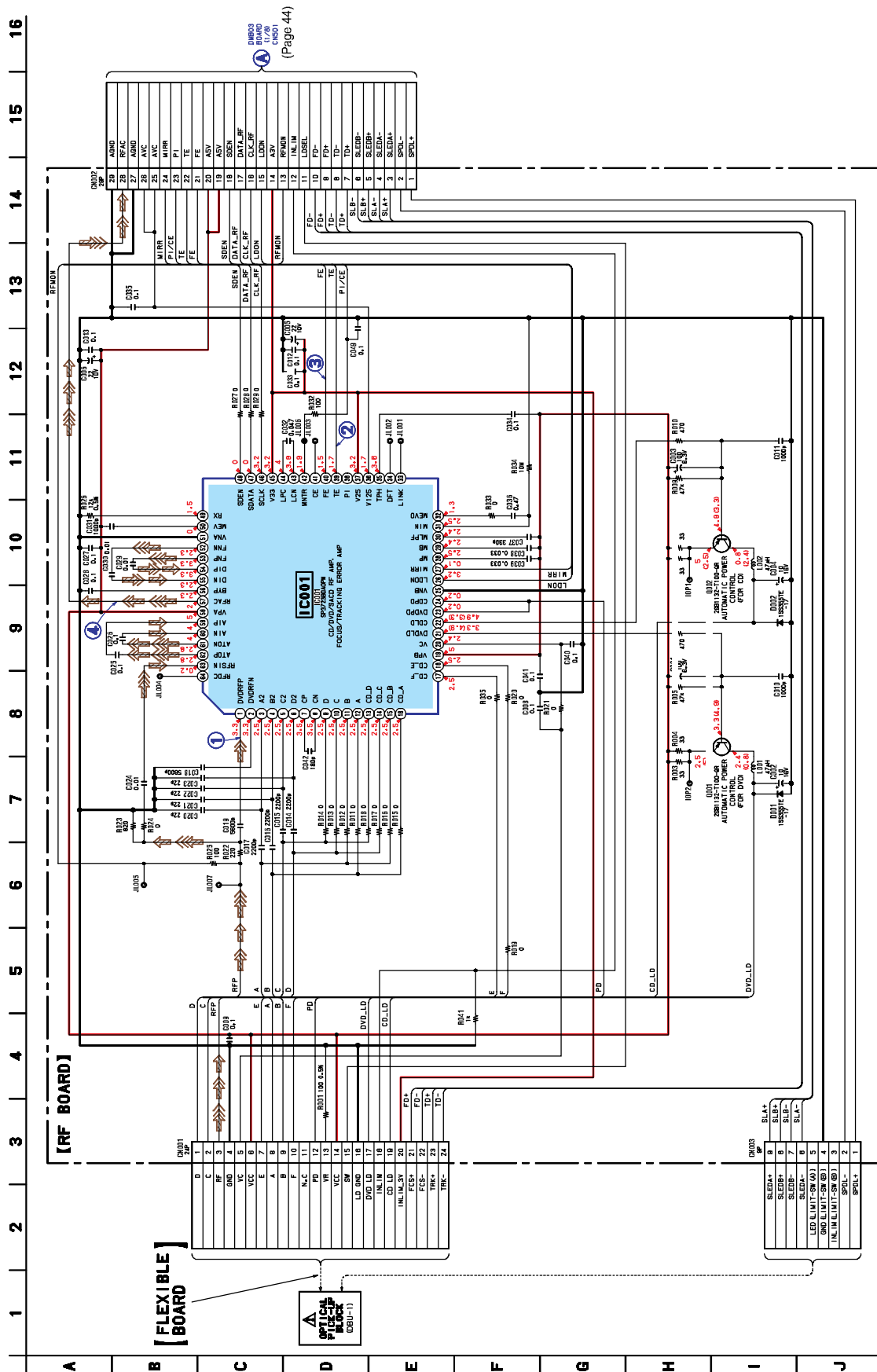
– MICON Board –



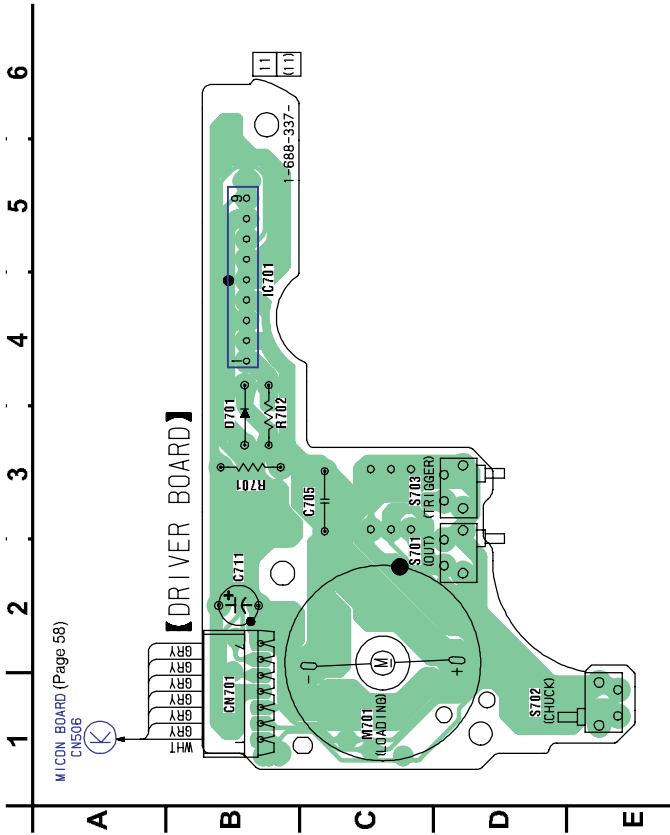


Ref. No.	Location
D001	C-11
D002	B-11
IC001	D-11
Q001	C-3
Q002	B-3

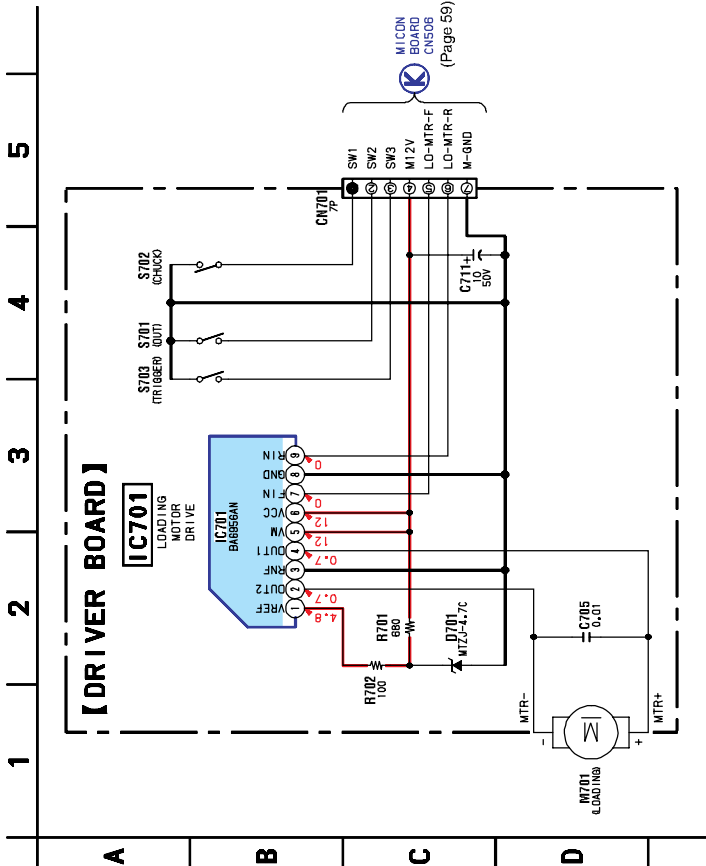
6-6-3. SCHEMATIC DIAGRAM — DVD MECHANISM SECTION (1/2) — • Refer to page 37 for Common Note on Schematic Diagrams and page 38 for Waveforms.



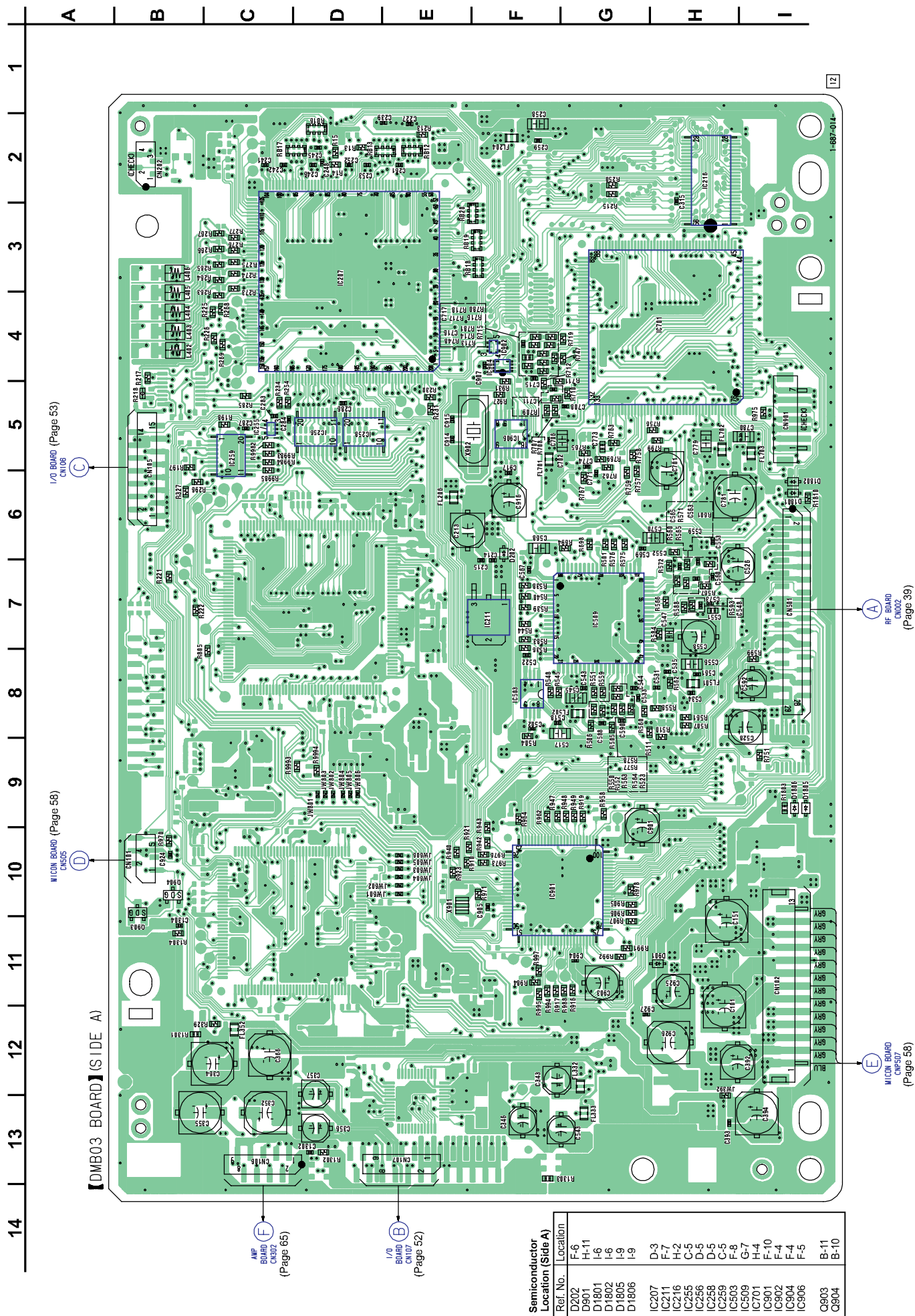
6-4. PRINTED WIRING BOARD — DVD MECHANISM SECTION (2/2) — • Refer to page 36 for Circuit Boards Location and page 37 for Common Note on Printed Wiring Boards.
⚡ : Uses unleaded solder.



6-5. SCHEMATIC DIAGRAM — DVD MECHANISM SECTION (2/2) — • Refer to page 37 for Common Note on Schematic Diagrams.

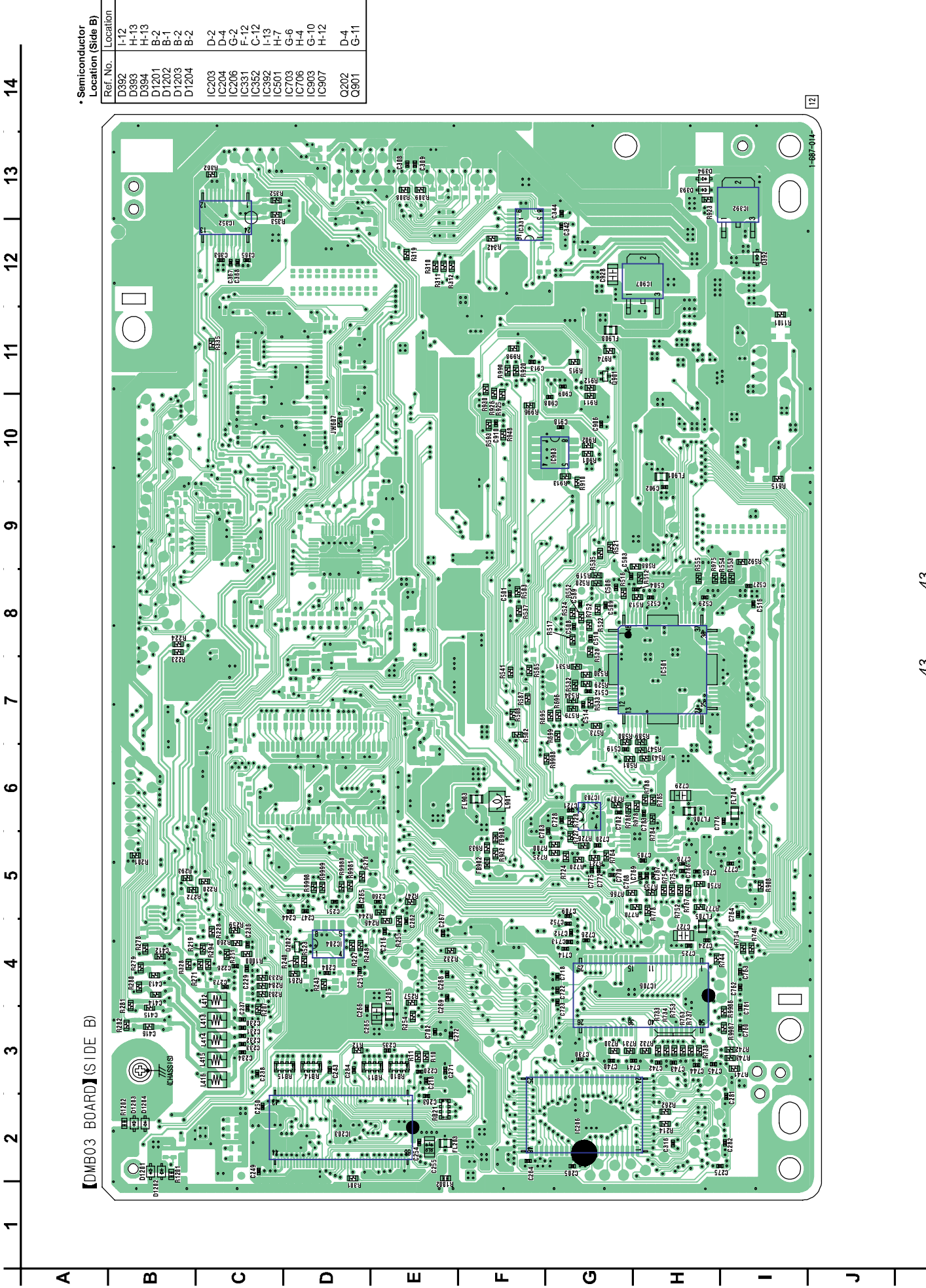


LF : Uses unleaded solder.



Semiconductor Location (Site A)	Ref. No.	Location
	D02	F-6
	D901	H-11
	D1801	I-6
	D1802	I-6
	D1805	I-9
	D1806	I-9
	IC207	D-3
	IC211	F-7
	IC216	H-2
	IC255	C-5
	IC256	D-5
	IC258	D-5
	IC259	C-5
	IC503	F-8
	IC509	G-7
	IC701	H-4
	IC901	F-10
	IC902	F-4
	IC904	F-4
	IC906	F-5
	Q903	B-11
	Q904	B-10

∇F : Uses unleaded solder.

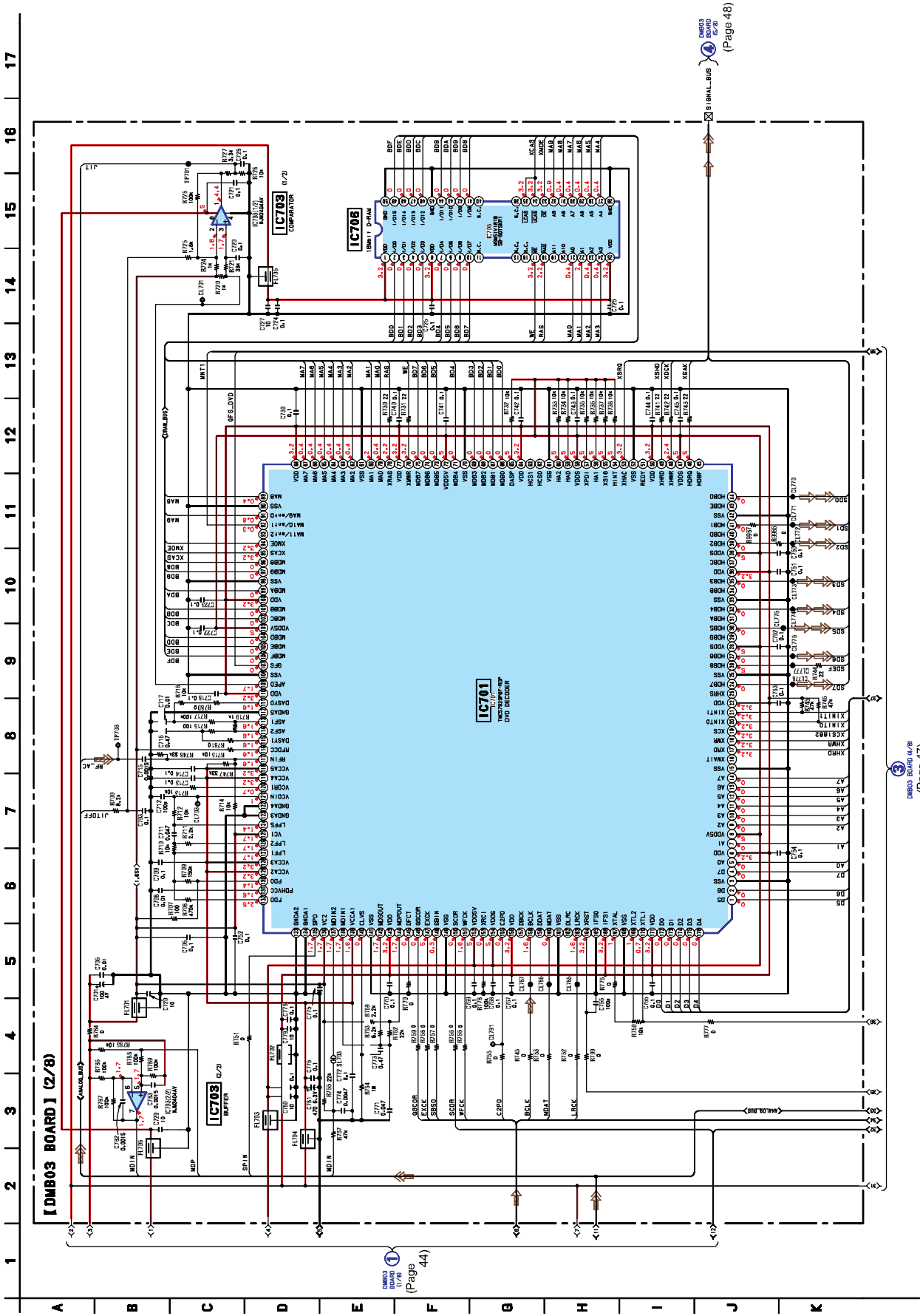


【DMB03 BOARD】(1/8)



(Page 46)

6-9. SCHEMATIC DIAGRAM — DMB03 SECTION (2/8) — • Refer to page 37 for Common Note on Schematic Diagrams.





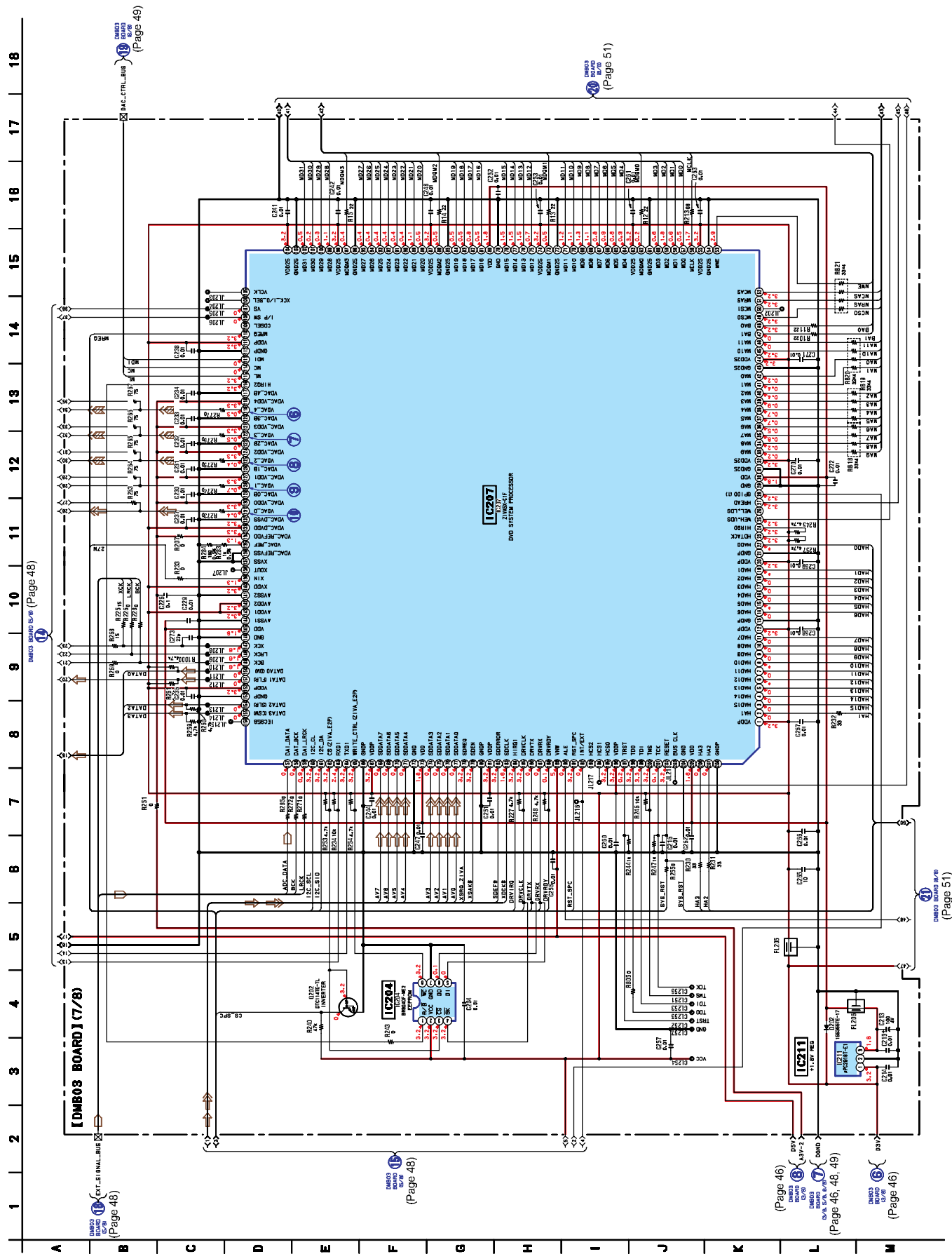
DM803 BOARD (2/8) (Page 45)



CX-VX5



6-14. SCHEMATIC DIAGRAM — DMB03 SECTION (7/8) — • Refer to page 37 for Common Note on Schematic Diagrams and page 38 for Waveforms.

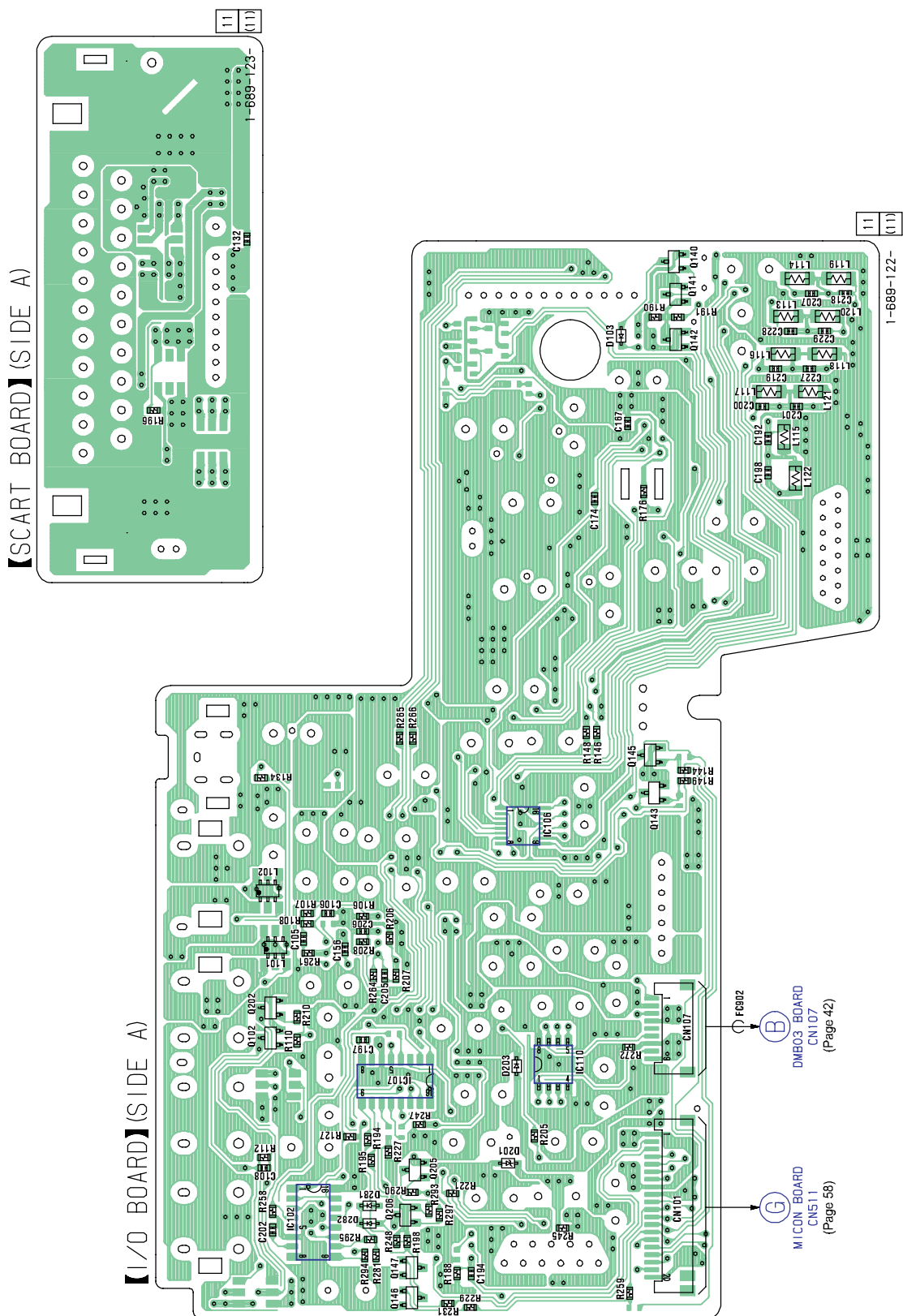


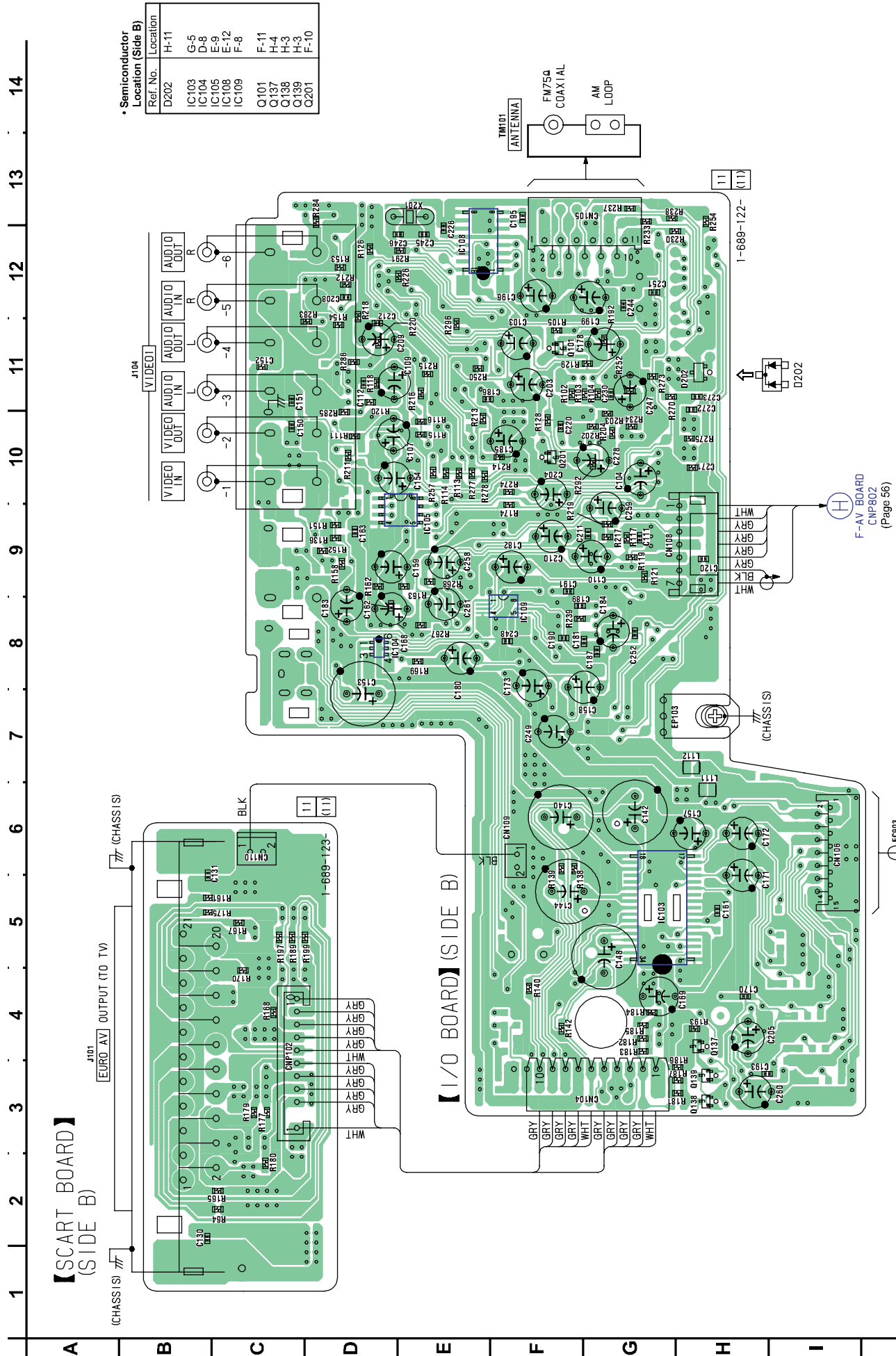
【 DMB03 BOARD 】 (8/8)



- Semiconductor Location (Side A)

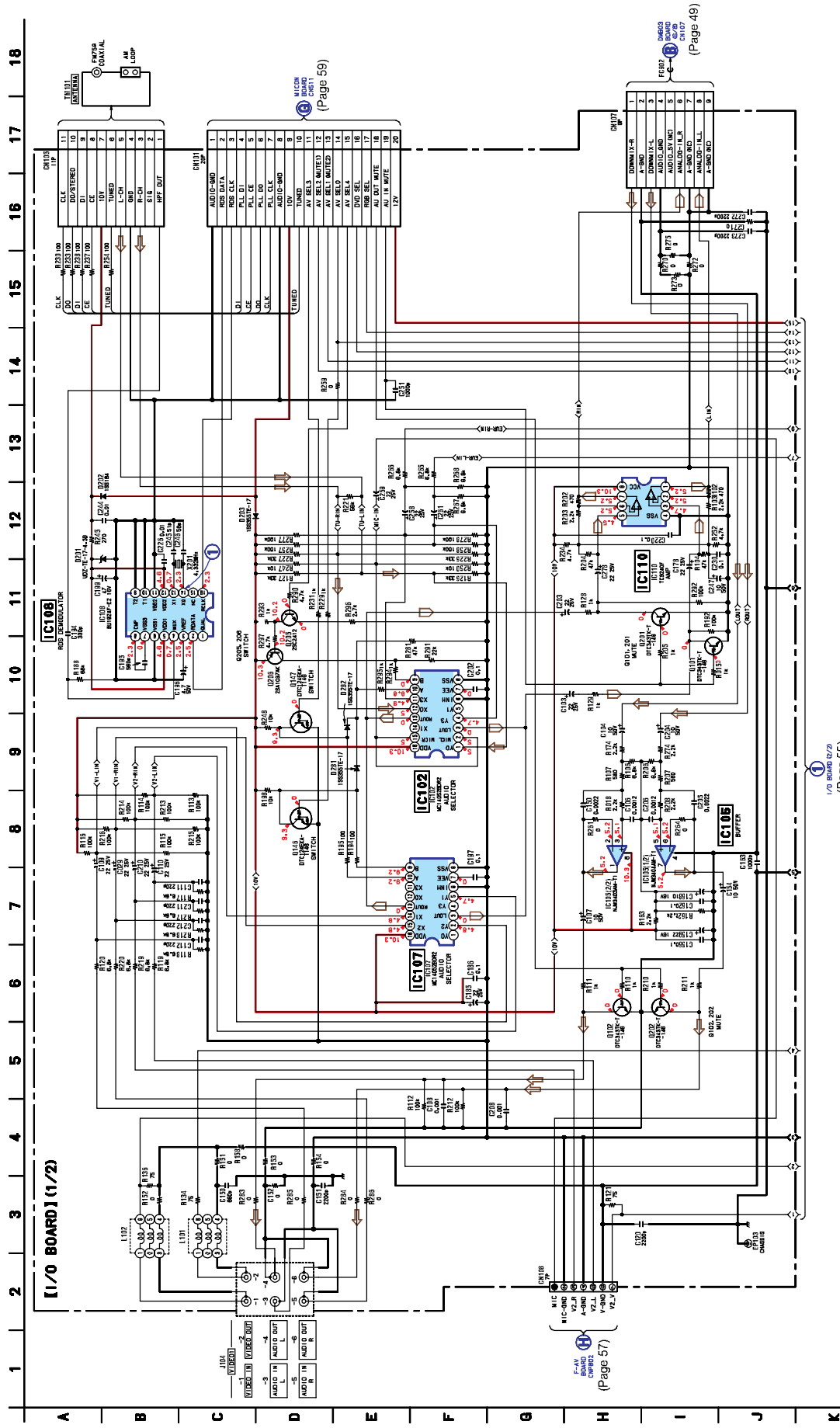
Ref. No.	Location
D103	G-4
D201	F-11
D203	F-10
D281	E-12
D282	E-12
IC102	D-12
IC106	F-8
IC107	E-11
IC110	G-10
Q102	D-10
Q140	H-3
Q141	H-3
Q142	H-4
Q143	G-8
Q145	G-8
Q146	E-13
Q147	E-12
Q202	D-10
Q205	E-11
Q206	E-12





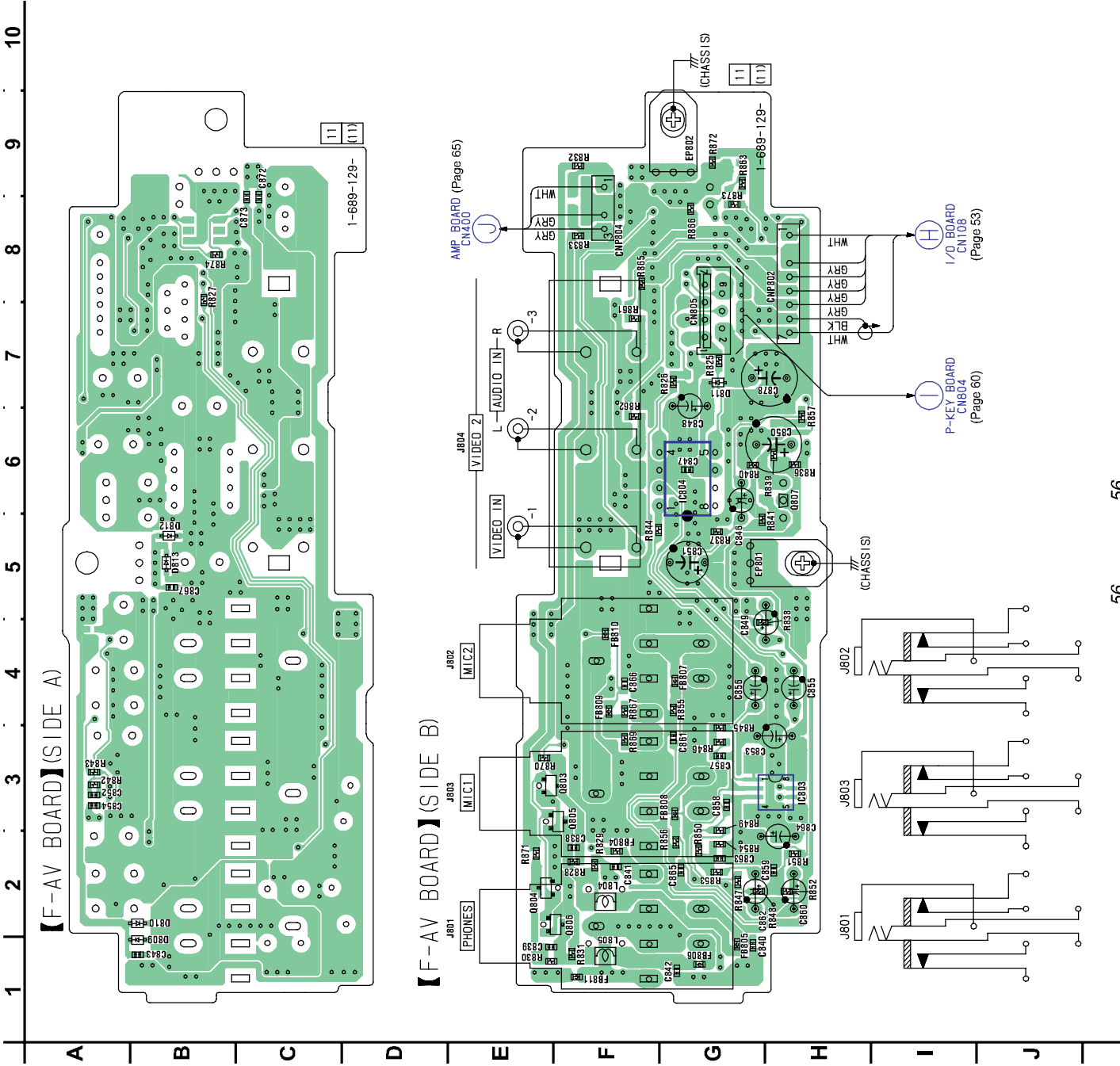
Semiconductor Location (Side B)	Ref. No.	Location
	D202	H-11
	IC103	G-5
	IC104	D-8
	IC105	E-9
	IC108	E-12
	IC109	F-8
	Q101	F-11
	Q137	H-4
	Q138	H-3
	Q139	H-3
	Q201	F-10

6-18. SCHEMATIC DIAGRAM — I/O SECTION (1/2) — • Refer to page 37 for Common Note on Schematic Diagrams and page 38 for Waveforms.



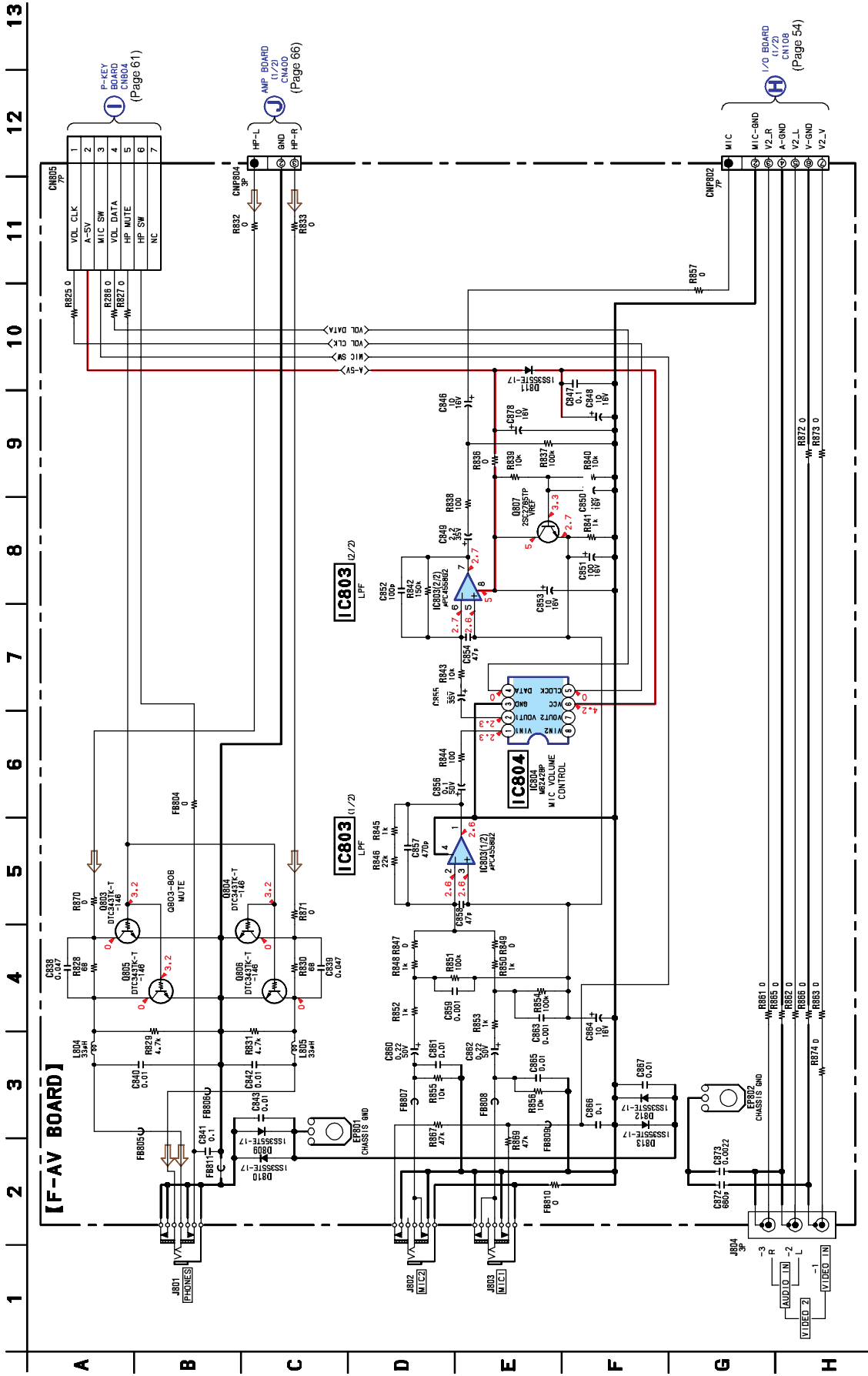


W : Uses unleaded solder.

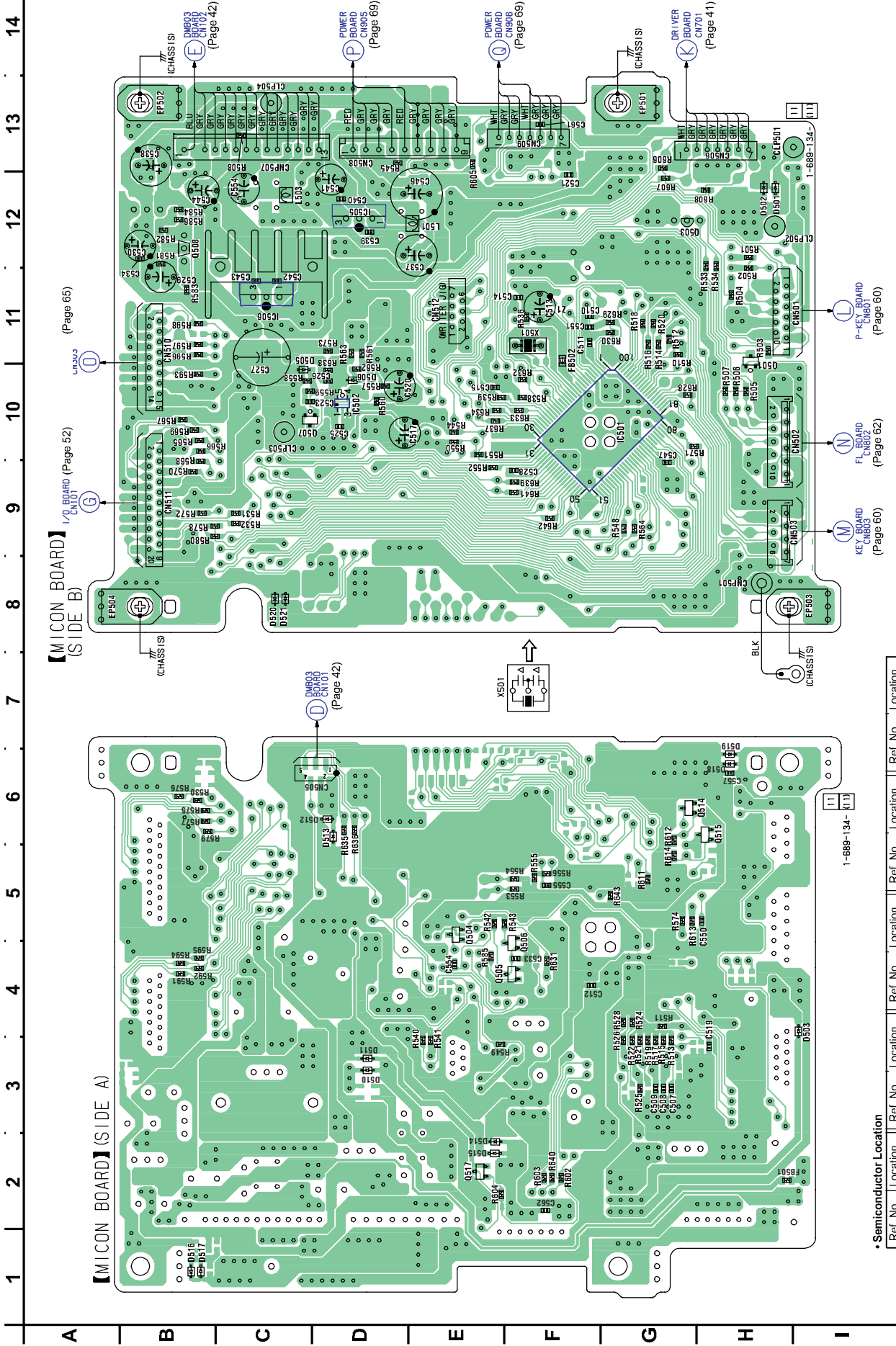


• Semiconductor Location	
Ref. No.	Location
D809	B-1
D810	B-2
D811	G-7
D812	B-5
D813	B-5
IC803	H-3
IC804	G-6
Q803	F-3
Q804	E-2
Q805	F-3
Q806	F-2
Q807	H-6

6-21. SCHEMATIC DIAGRAM — F-AV SECTION — • Refer to page 37 for Common Note on Schematic Diagrams.

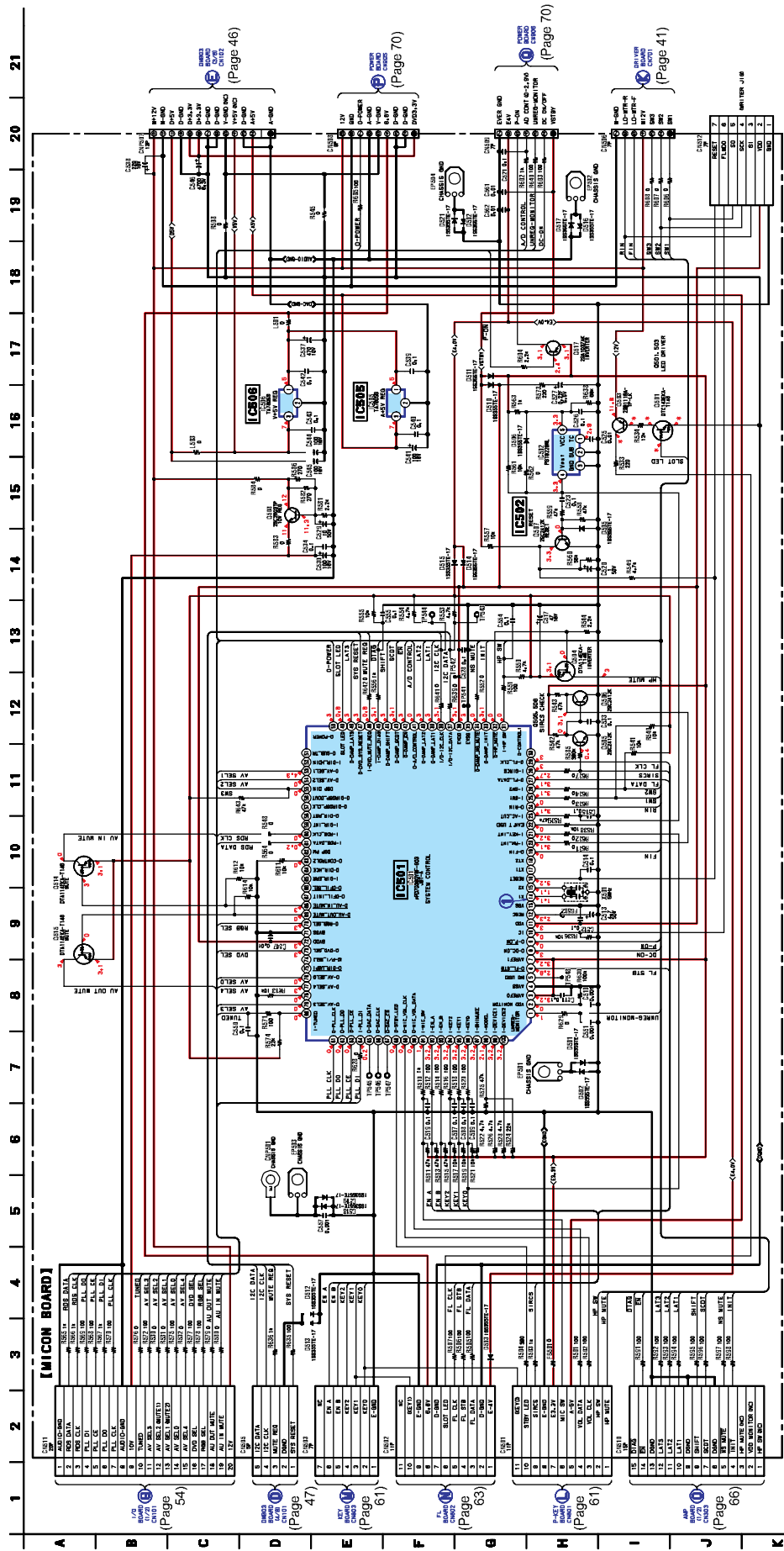


4F : Uses unleaded solder.



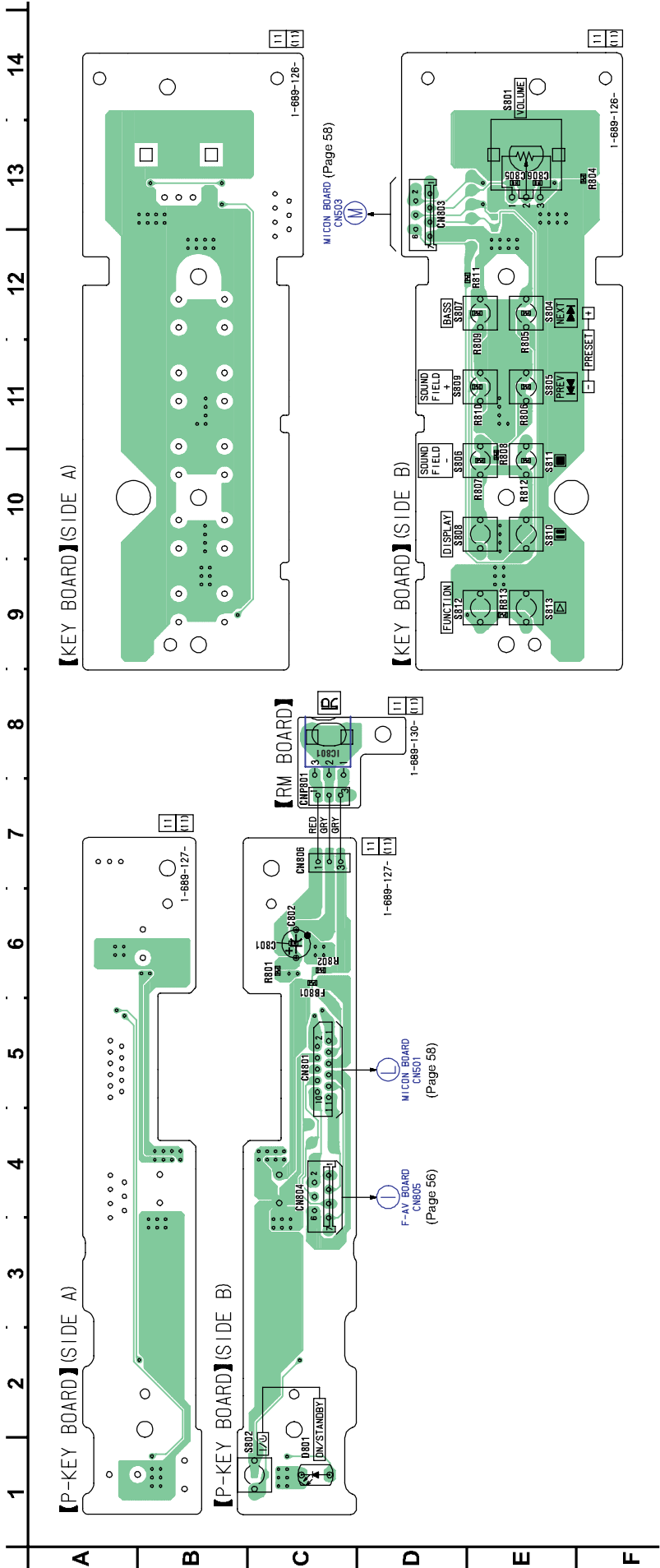
• Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D501	H-12	D512	D-6	D519	H-6	D520	C-11
D502	H-12	D513	D-6	D521	C-8	D522	C-11
D503	I-4	D514	D-6	D523	C-8	D524	C-11
D504	C-11	D515	E-2	D525	C-8	D526	C-11
D505	D-10	D516	B-1	D527	G-10	D528	C-11
D506	D-10	D517	B-1	D529	D-10	D530	C-11
D507	D-3	D518	H-6	D531	D-12	D532	C-11
D508	H-12	D519	D-6	D533	C-8	D534	C-11
D509	H-12	D520	C-11	D535	C-8	D536	C-11
D510	H-12	D521	C-8	D537	C-8	D538	C-11
D511	H-12	D522	C-11	D539	C-8	D540	C-11

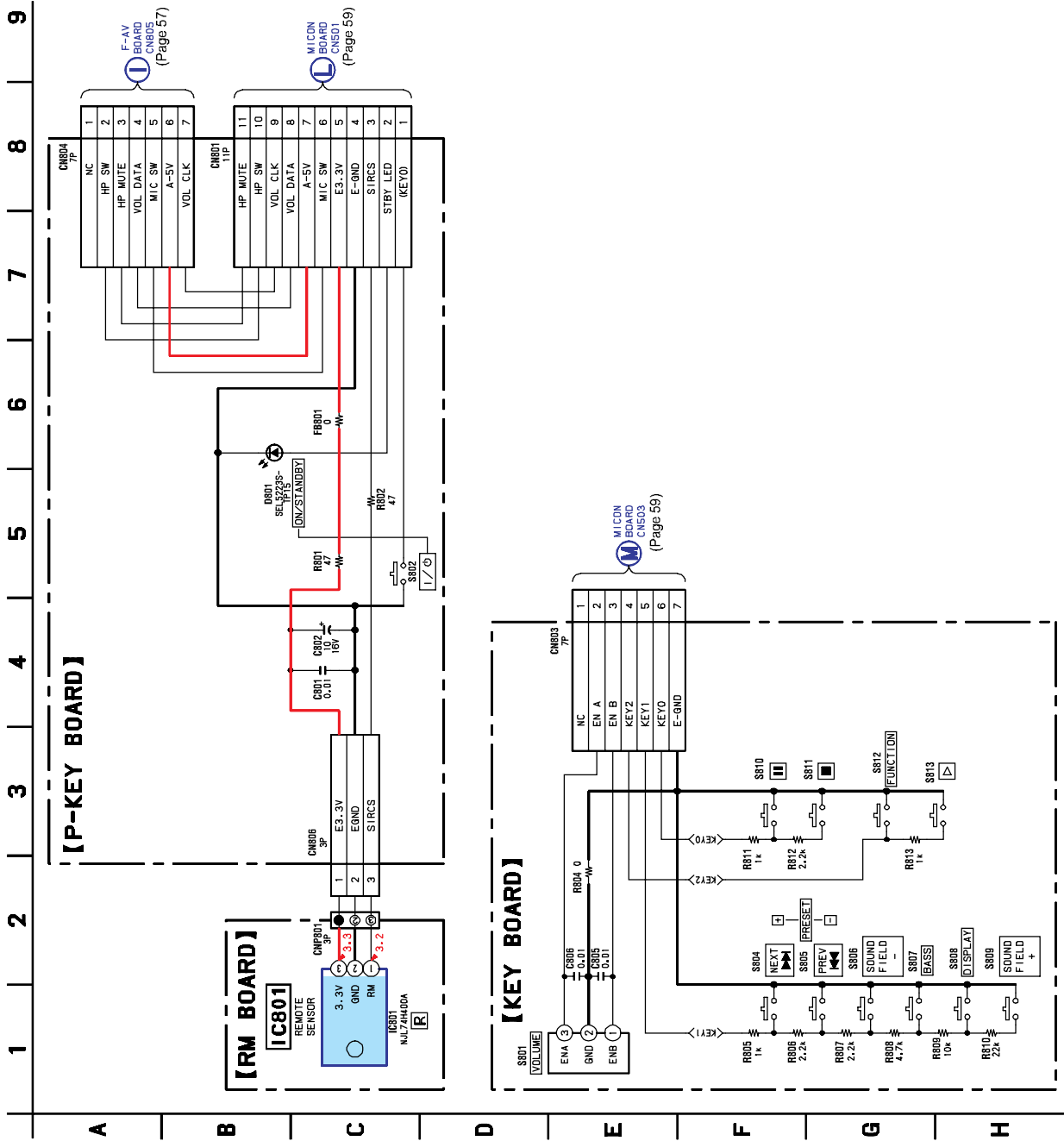


6-24. PRINTED WIRING BOARDS — KEY SECTION — • Refer to page 36 for Circuit Boards Location and page 37 for Common Note on Printed Wiring Boards.

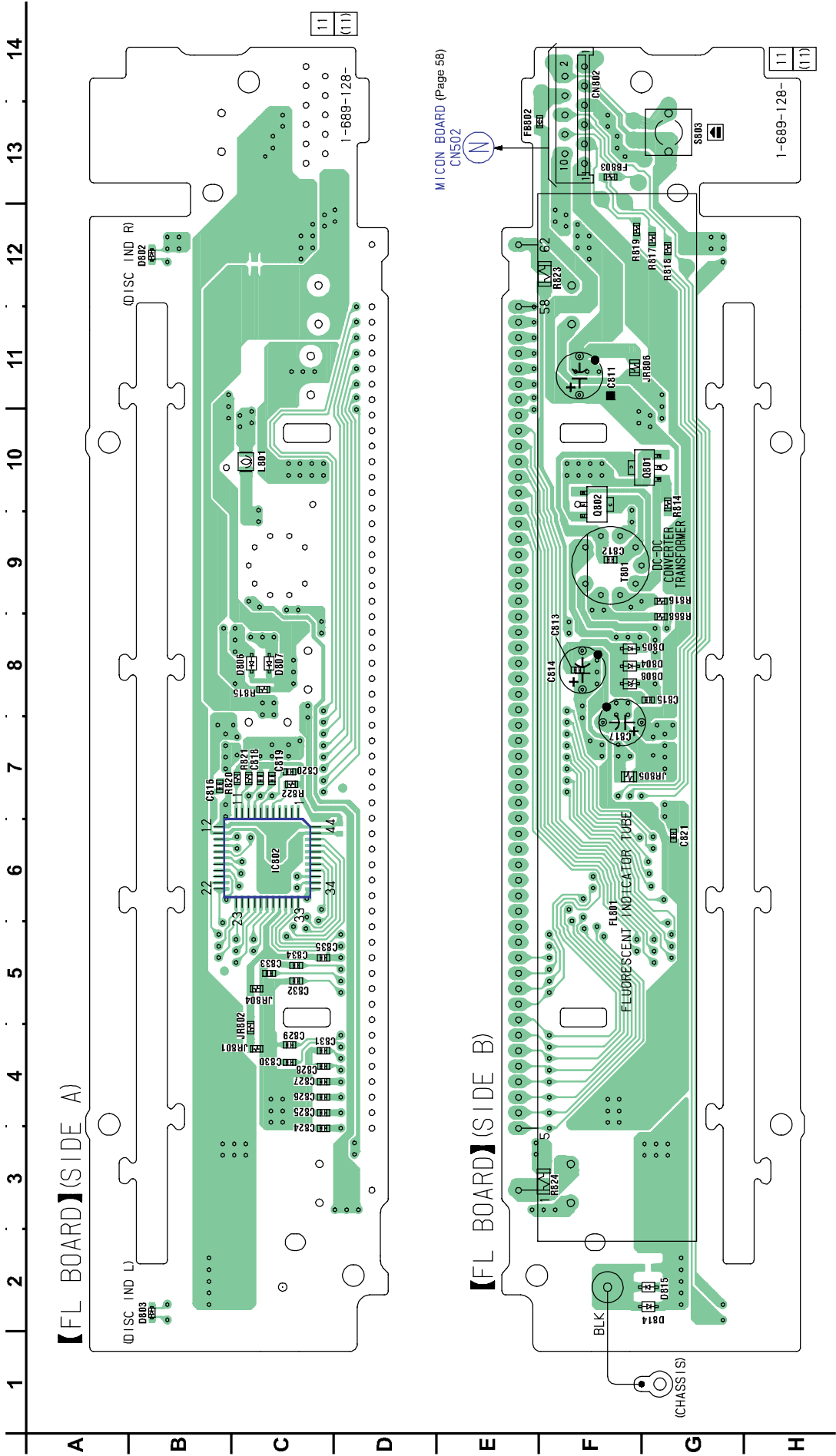
UF : Uses unleaded solder.



6-25. SCHEMATIC DIAGRAM — KEY SECTION — • Refer to page 37 for Common Note on Schematic Diagrams.



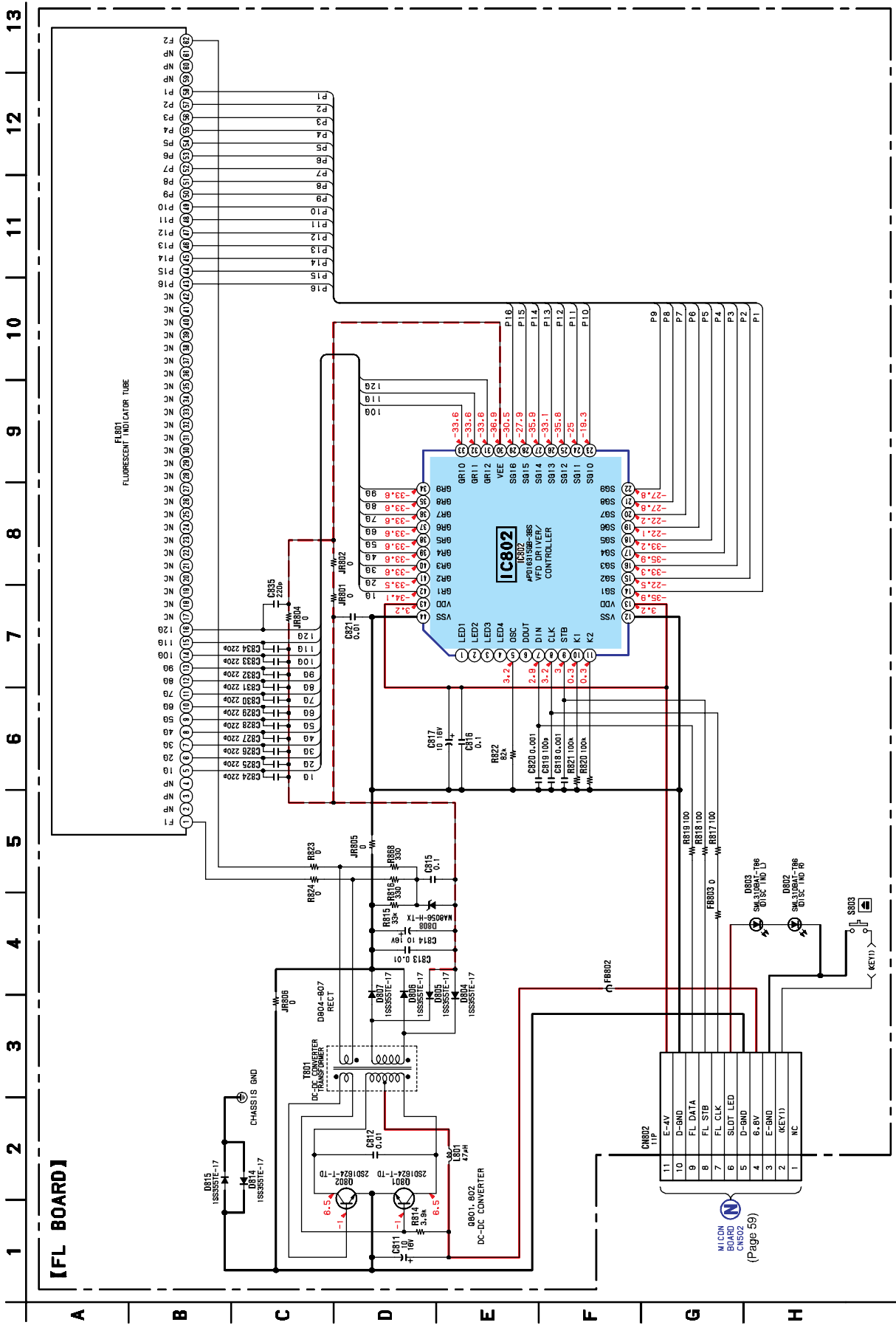
6-26. PRINTED WIRING BOARD — FL SECTION — • Refer to page 36 for Circuit Boards Location and page 37 for Common Note on Printed Wiring Boards.
⚡ : Uses unleaded solder.



• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D802	B-12	D814	G-2
D803	B-2	D815	G-2
D804	G-8	IC802	C-6
D805	G-8	Q801	G-10
D806	C-8	Q802	F-10
D807	C-8		
D808	G-8		

6-27. SCHEMATIC DIAGRAM — FL SECTION — • Refer to page 37 for Common Note on Schematic Diagrams.

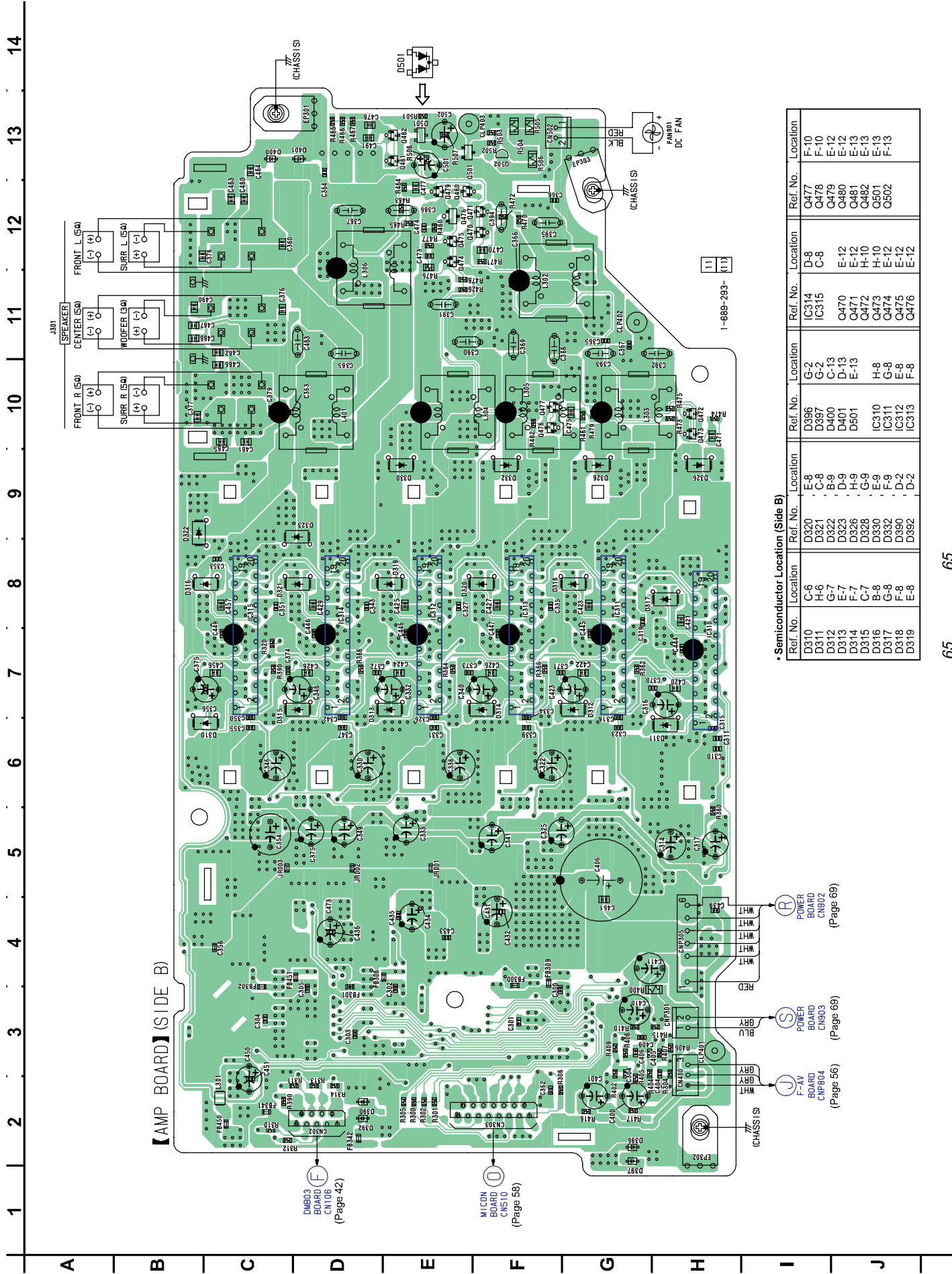




Semiconductor Location (Side A)

Semiconductor Location (State A)			Semiconductor Location (State B)		
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D324	B-9	D338	G-9	IC300	F-3
D325	C-9	D339	H-9	IC301	D-3
D327	H-10	D340	E-9	IC302	C-3
D329	H-9	D341	F-9	IC400	G-3
D331	F-9	D342	G-9	IC430	E-4
D333	G-9	D343	G-9	IC431	D-4
D334	E-10	D344	E-10	IC432	D-4
D335	C-9	D345	E-9	IC450	B-3
D336	H-9	D391	E-2		
D337	H-10	D393	E-2		
D338	H-9				

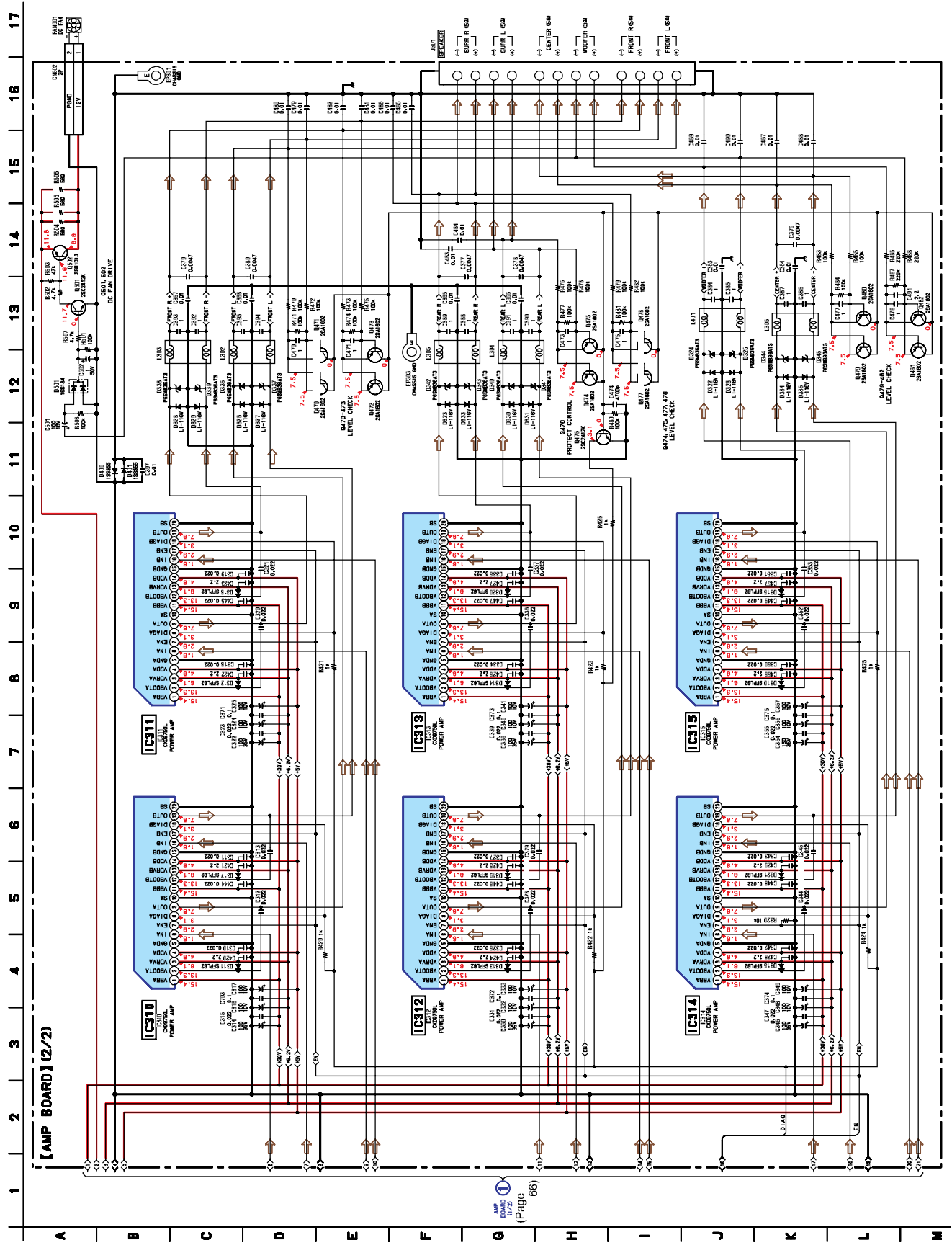
 : Uses unleaded solder.



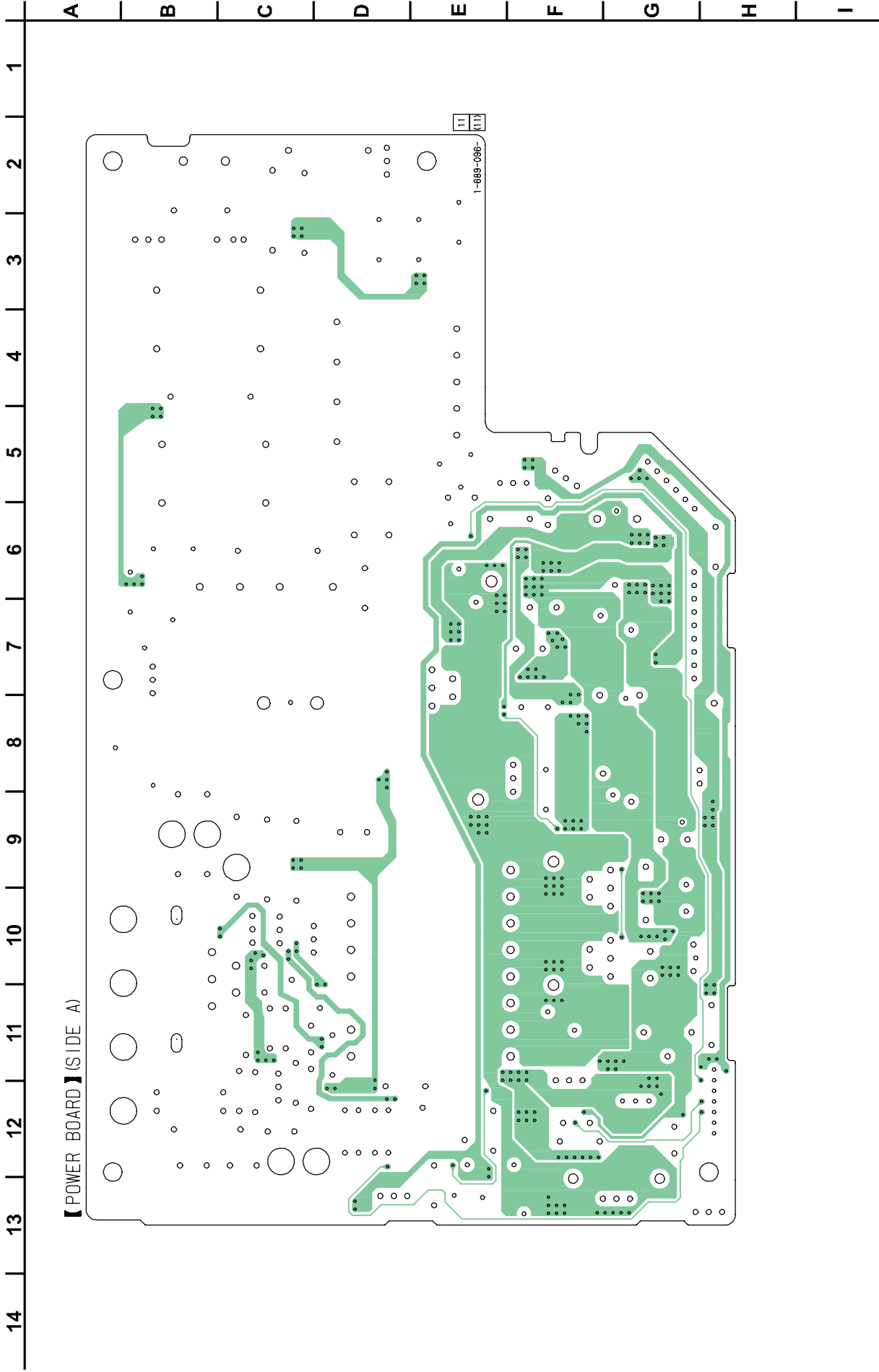
13



6-31. SCHEMATIC DIAGRAM — AMP SECTION (2/2) — • Refer to page 37 for Common Note on Schematic Diagrams.

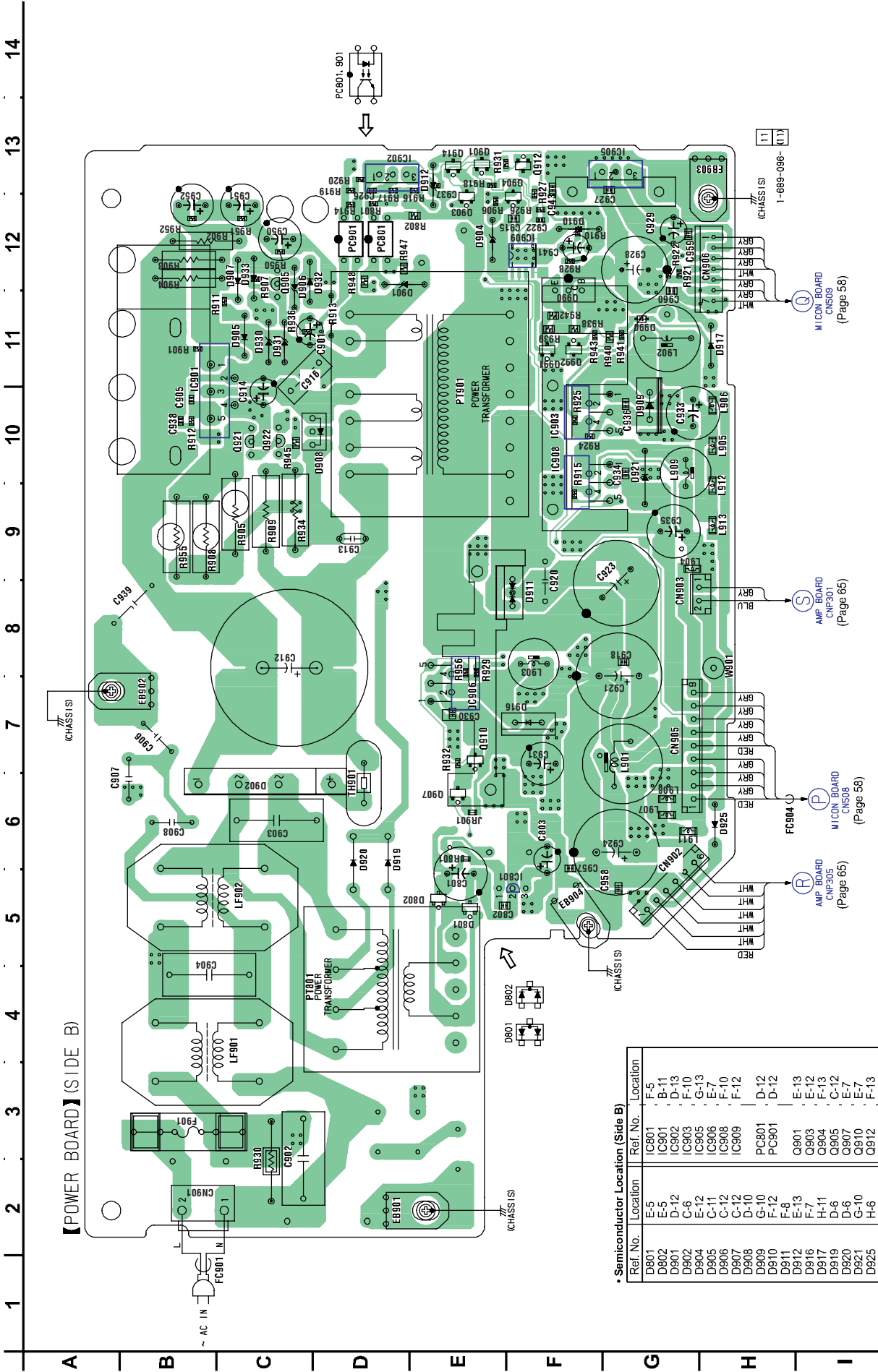
AMP
11/72
(Page 66)

6-32. PRINTED WIRING BOARD — POWER SECTION (1/2) — • Refer to page 36 for Circuit Boards Location and page 37 for Common Note on Printed Wiring Boards.
④⑦ : Uses unleaded solder.



6-33. PRINTED WIRING BOARD — POWER SECTION (2/2) — • Refer to page 36 for Circuit Boards Location and page 37 for Common Note on Printed Wiring Boards.

: Uses unleaded solder.



• Semiconductor Location (Side B)

Ref. No.	Location	Ref. No.	Location
D801	E-5	IC801	F-5
D802	B-11	IC901	B-11
D901	D-12	IC902	D-13
D902	C-6	IC903	F-10
D904	E-12	IC905	G-13
D905	C-11	IC906	E-7
D906	C-12	IC908	F-12
D907	C-12	IC909	F-10
D908	D-10	PC801	D-12
D909	G-10	PC901	D-12
D910	F-12	Q801	E-13
D911	F-8	Q803	E-12
D912	E-13	Q804	F-13
D916	F-7	Q805	C-12
D917	H-11	Q807	E-7
D919	D-6	Q810	E-7
D920	D-6	Q812	E-13
D921	G-10	Q814	E-13
D925	H-6	Q821	C-11
D930	C-11	Q822	C-10
D931	C-11	Q890	F-11
D932	C-12	Q891	F-11
D933	C-12	Q892	F-11
D980	G-11		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----



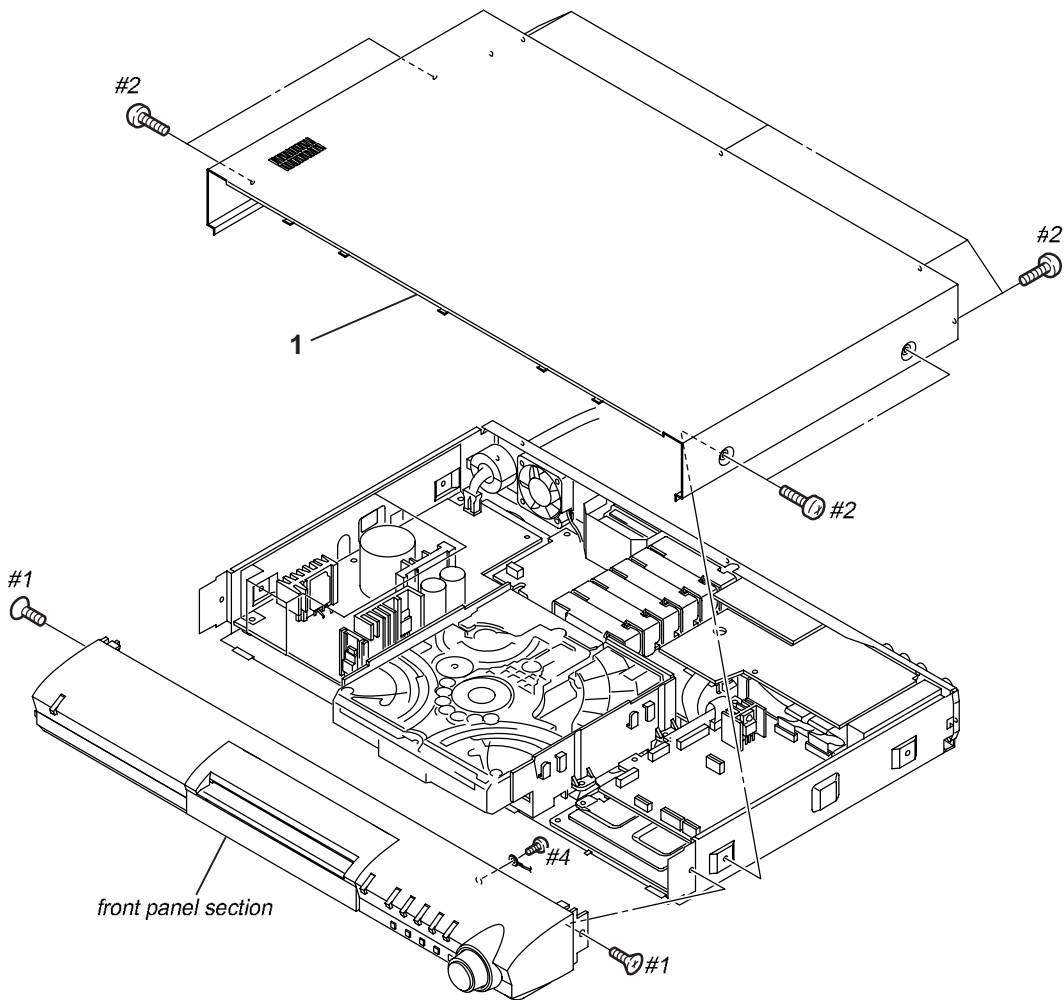
SECTION 7
EXPLODED VIEWS

NOTE:

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

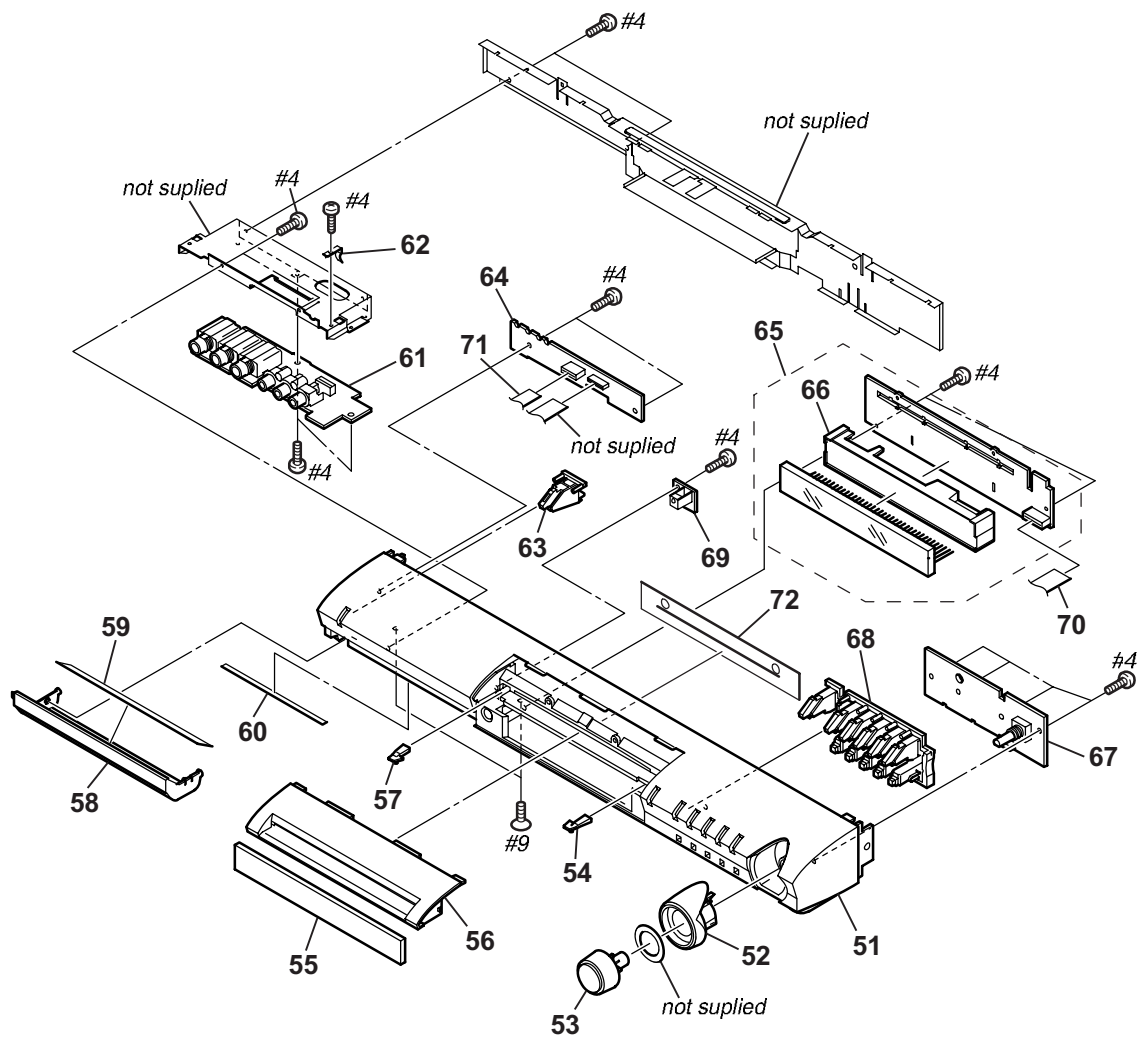
The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

7-1. MAIN SECTION



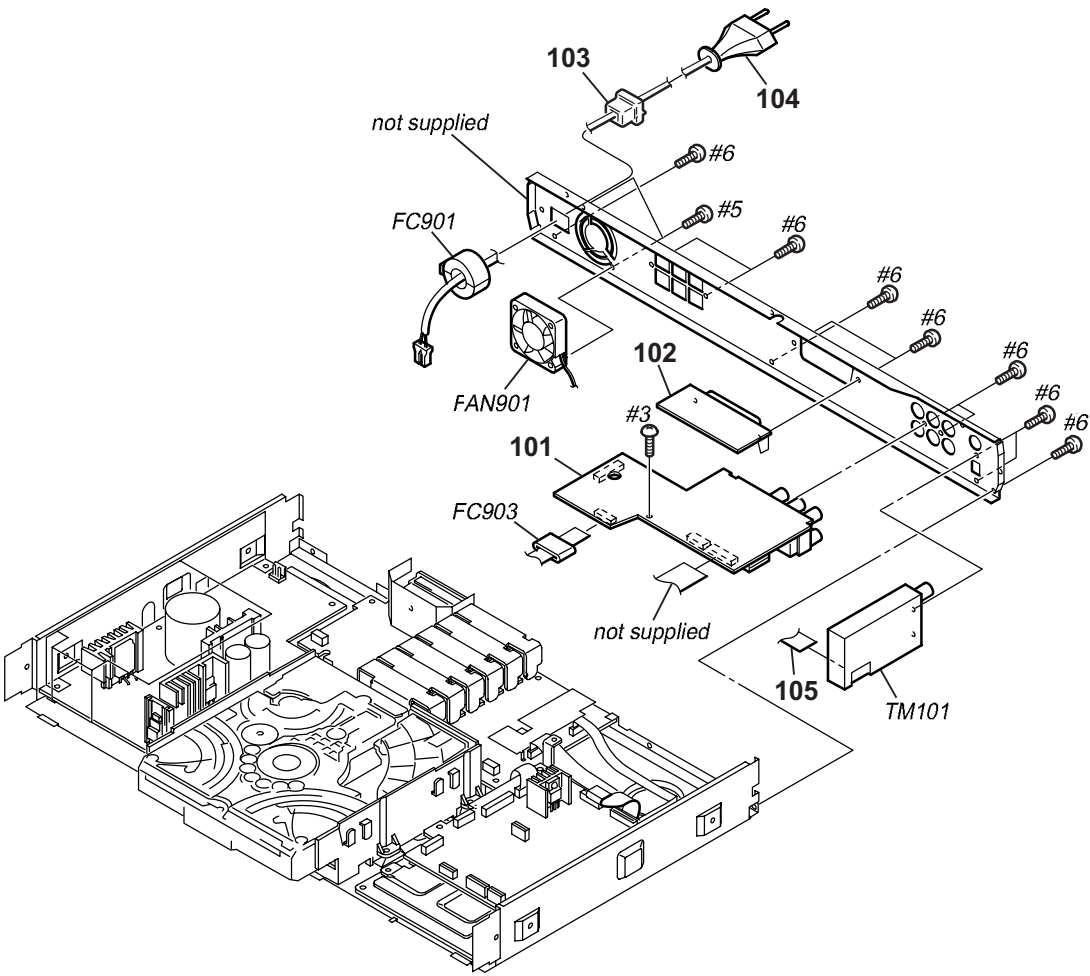
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	4-248-077-01	COVER, TOP		#2	7-685-545-14	SCREW +BTP 3X6 TYPE2 N-S	
#1	7-685-245-19	SCREW +KTP 3X6 TYPE2 NON-SLIT		#4	7-685-133-19	SCREW +P 2.6X6 TYPE2 NON-SLIT	

7-2. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	4-248-076-01	PANEL, FRONT		63	A-4741-725-A	SWITCH ASSY, POWER	
52	4-248-081-01	HOLDER, KNOB		64	A-4749-691-A	P-KEY BOARD, COMPLETE	
53	4-248-080-01	KNOB, VOLUME		65	A-4749-693-A	FL BOARD, COMPLETE	
54	4-249-005-01	GUIDE (RIGHT), LIGHT		66	4-248-082-01	HOLDER, FL	
55	4-249-009-01	WINDOW, FL		67	A-4749-689-A	KEY BOARD, COMPLETE	
56	4-249-003-01	SLOT, DISC		68	A-4741-705-A	KEY ASSY, FUNCTION	
57	4-249-006-01	GUIDE (LEFT), LIGHT		69	1-689-130-11	RM BOARD	
58	4-249-002-01	LID, CONNECTOR		70	1-765-325-11	WIRE (FLAT TYPE) (11 CORE)	
59	4-249-012-01	PANEL, CONNECTOR		71	1-769-878-11	WIRE (FLAT TYPE) (7 CORE)	
60	4-249-010-01	SHEET, CONNECTOR		72	4-249-008-01	COVER, SLOT	
61	A-4749-695-A	F-AV BOARD, COMPLETE		#4	7-685-133-19	SCREW +P 2.6X6 TYPE2 NON-SLIT	
62	4-249-011-01	SPRING, LID		#9	7-685-233-19	SCREW +KTP 2.6X6 TYPE2 NON-SLIT	

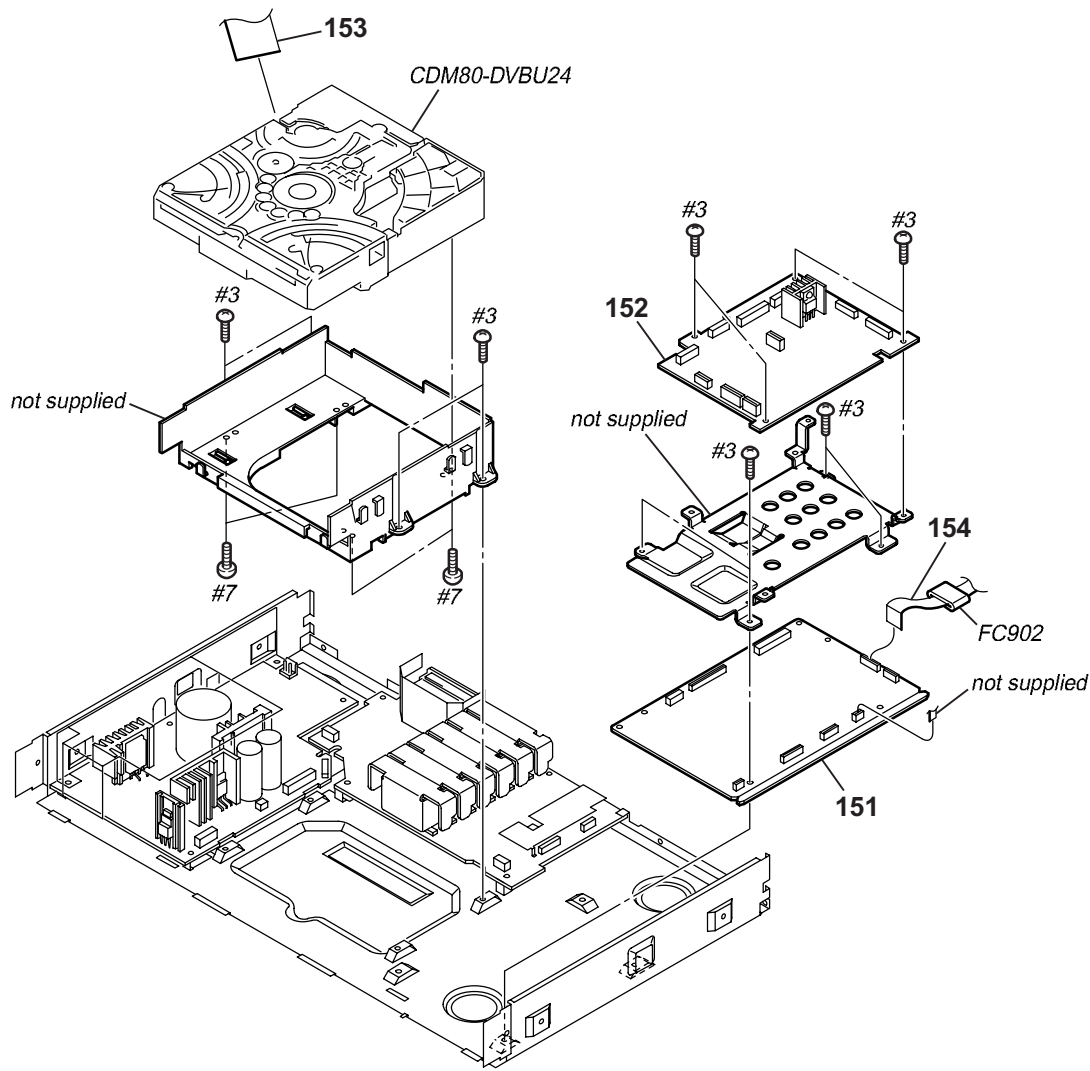
7-3. REAR PANEL SECTION



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

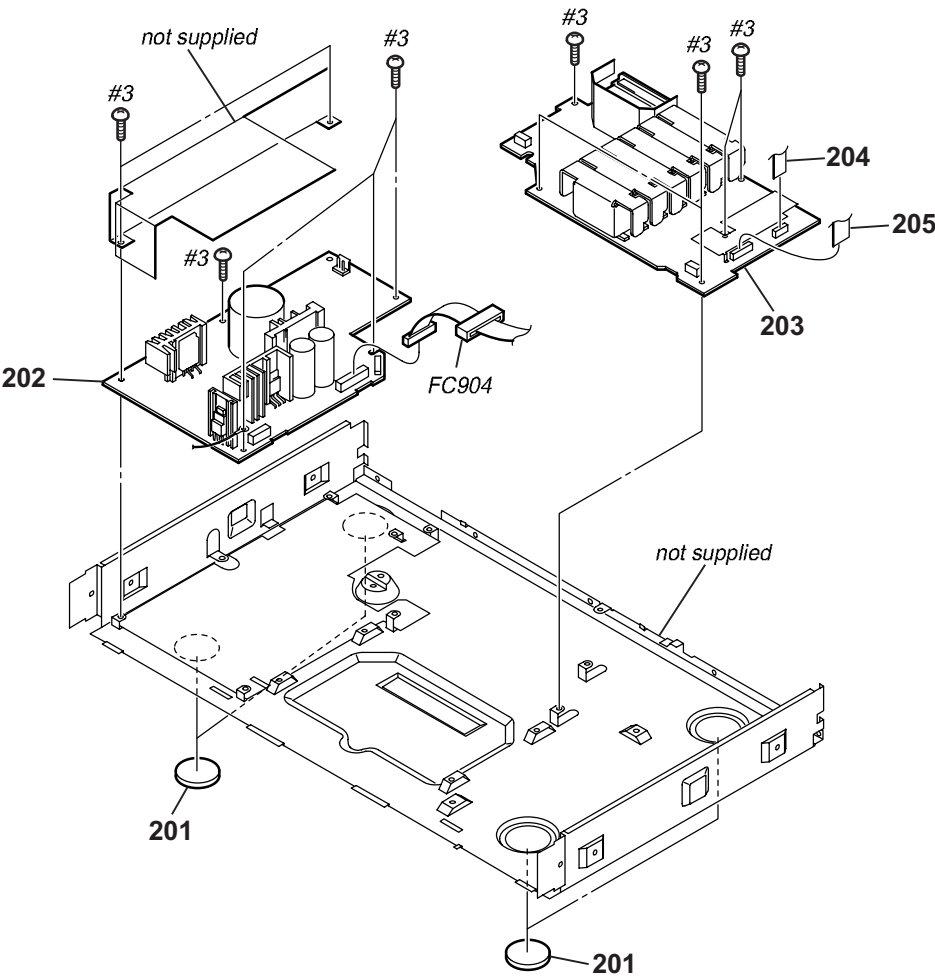
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	A-4749-685-A	I/O BOARD, COMPLETE		FC901	1-543-982-12	CORE, FERRITE	
102	1-689-123-11	SCART BOARD		FC903	1-500-635-11	CORE, FERRITE	
103	4-217-350-11	STOPPER, CORD		TM101	1-693-644-11	TUNER (ANTENNA)	
\triangle 104	1-769-744-52	CORD, POWER		#3	7-685-645-79	SCREW +BVTP 3X6 TYPE2 N-S	
105	1-769-937-11	WIRE (FLAT TYPE) (11 CORE)		#5	7-685-660-19	SCREW +BVTP 4X10 TYPE2 N-S	
FAN901	1-763-861-12	FAN, DC		#6	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	

7-4. CHASSIS SECTION-1



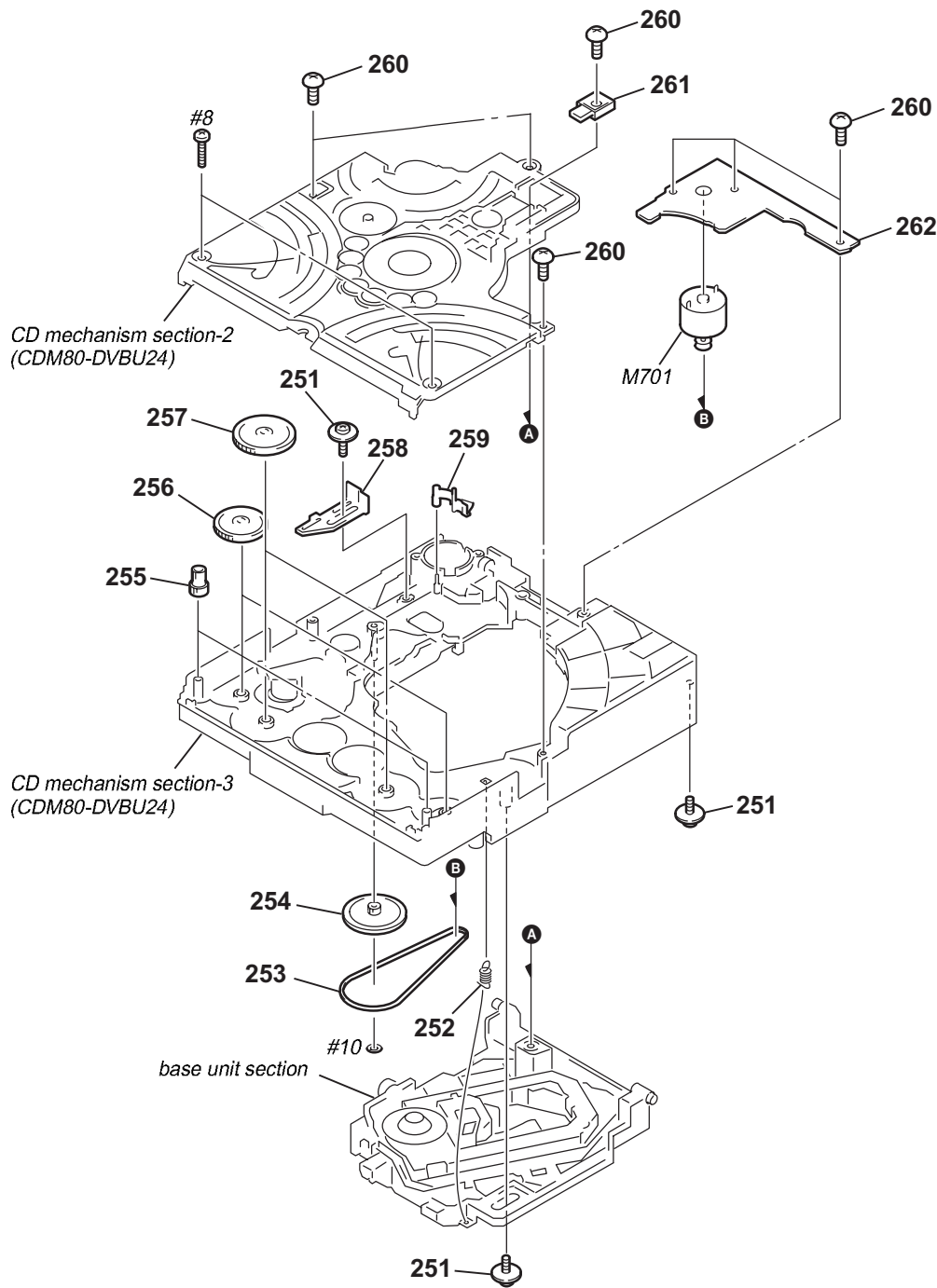
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	A-4749-704-A	DMB03 BOARD, COMPLETE		FC902	1-500-657-11	CORE, FERRITE	
152	A-4749-701-A	MICON BOARD, COMPLETE		#3	7-685-645-79	SCREW +BVTP 3X6 TYPE2 N-S	
153	1-775-263-11	WIRE (FLAT TYPE) (29 CORE)		#7	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
154	1-775-119-11	WIRE (FLAT TYPE) (13 CORE)					

7-5. CHASSIS SECTION-2



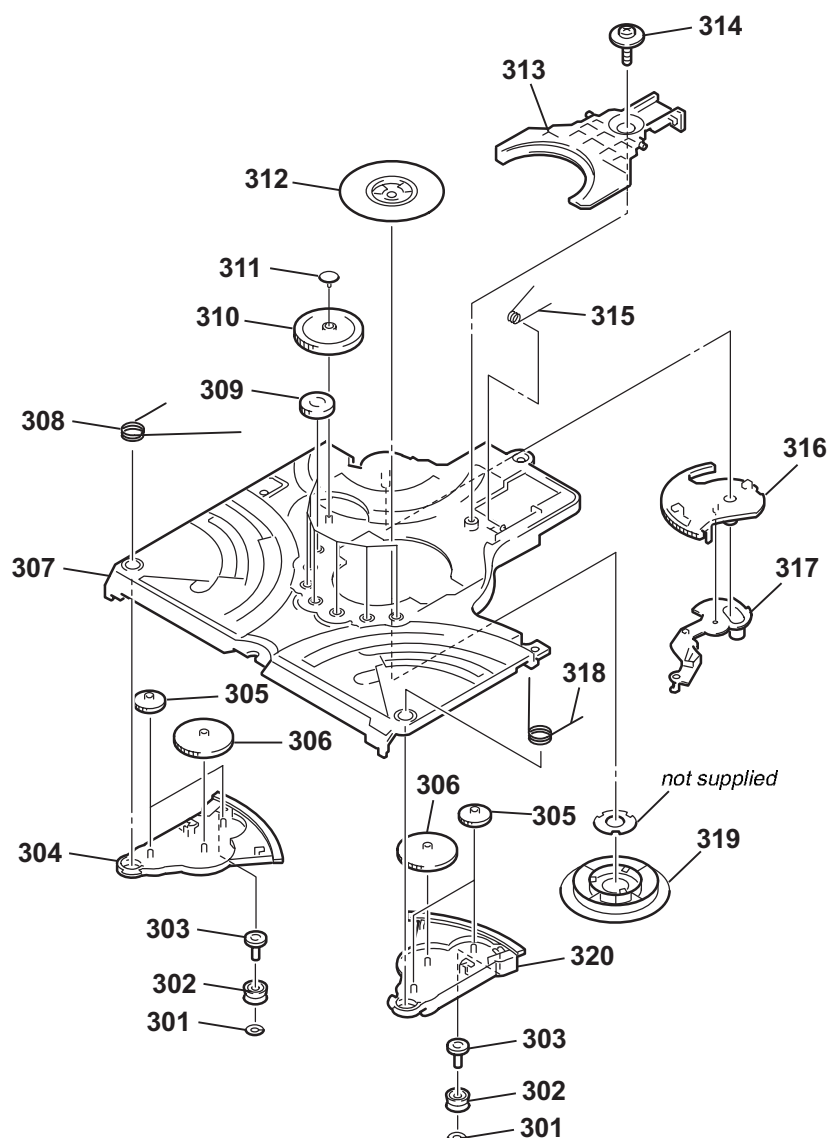
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
201	4-248-134-01	FOOT		205	1-775-140-11	WIRE (FLAT TYPE) (15 CORE)	
202	A-4749-703-A	POWER BOARD, COMPLETE		FC904	1-500-826-11	CORE, FERRITE	
203	A-4749-699-A	AMP BOARD, COMPLETE		#3	7-685-645-79	SCREW +BVTP 3X6 TYPE2 N-S	
204	1-775-094-11	WIRE (FLAT TYPE) (9 CORE)					

7-6. DVD MECHANISM DECK SECTION-1
(CDM80-DVBU24)



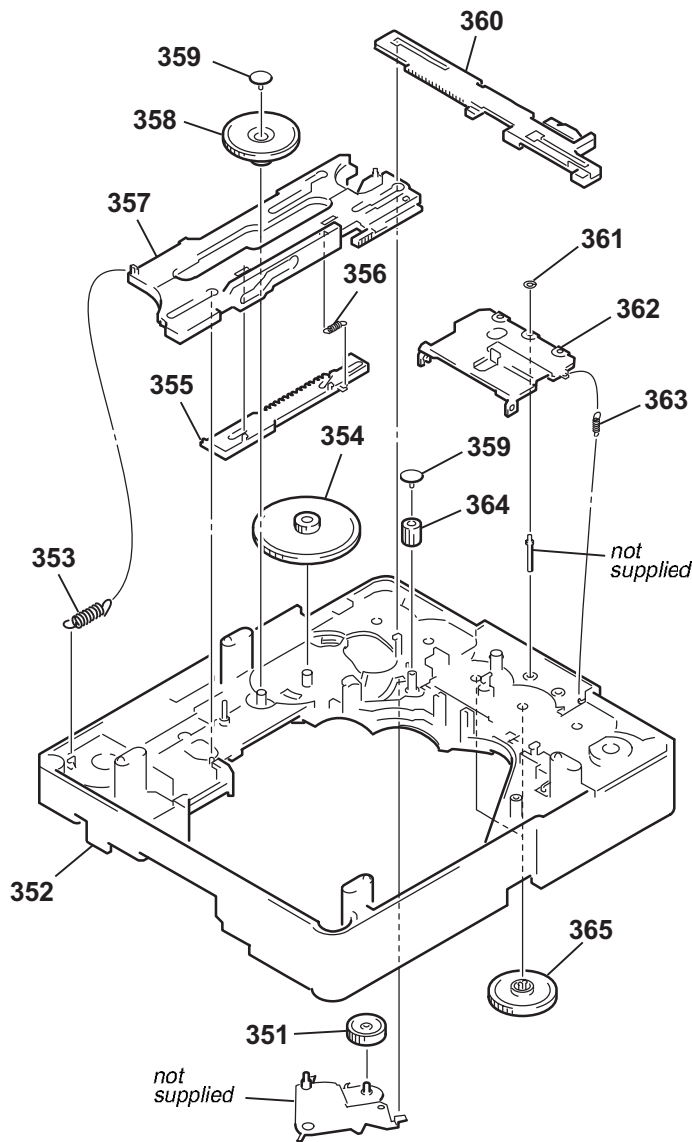
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
251	4-985-672-01	SCREW (+PTPWHM2.6), FLOATING		259	4-245-630-01	LEVER (SW)	
252	4-248-723-01	SPR-E (HOLDER DOWN)		260	4-951-620-01	SCREW (2.6X8), +BVTP	
253	4-245-653-01	BELT (MOT)		261	4-245-639-01	LEVER (CL UP2)	
254	4-245-662-02	PULLEY (GEAR)		262	1-688-337-11	DRIVER BOARD	
255	4-245-646-01	GEAR (IDL-F)		M701	X-4955-496-1	MOTOR (PULLEY) ASSY (LOADING)	
256	4-245-644-01	GEAR (IDL-D)		#8	7-685-106-19	SCREW +P 2X10 TYPE2 NON-SLIT	
257	4-245-645-01	GEAR (IDL-E)		#10	7-623-921-01	RING, RETAINING, CAPSTAN	
258	4-246-203-01	LEVER (RELEASE)					

7-7. DVD MECHANISM DECK SECTION-2 (CDM80-DVBU24)



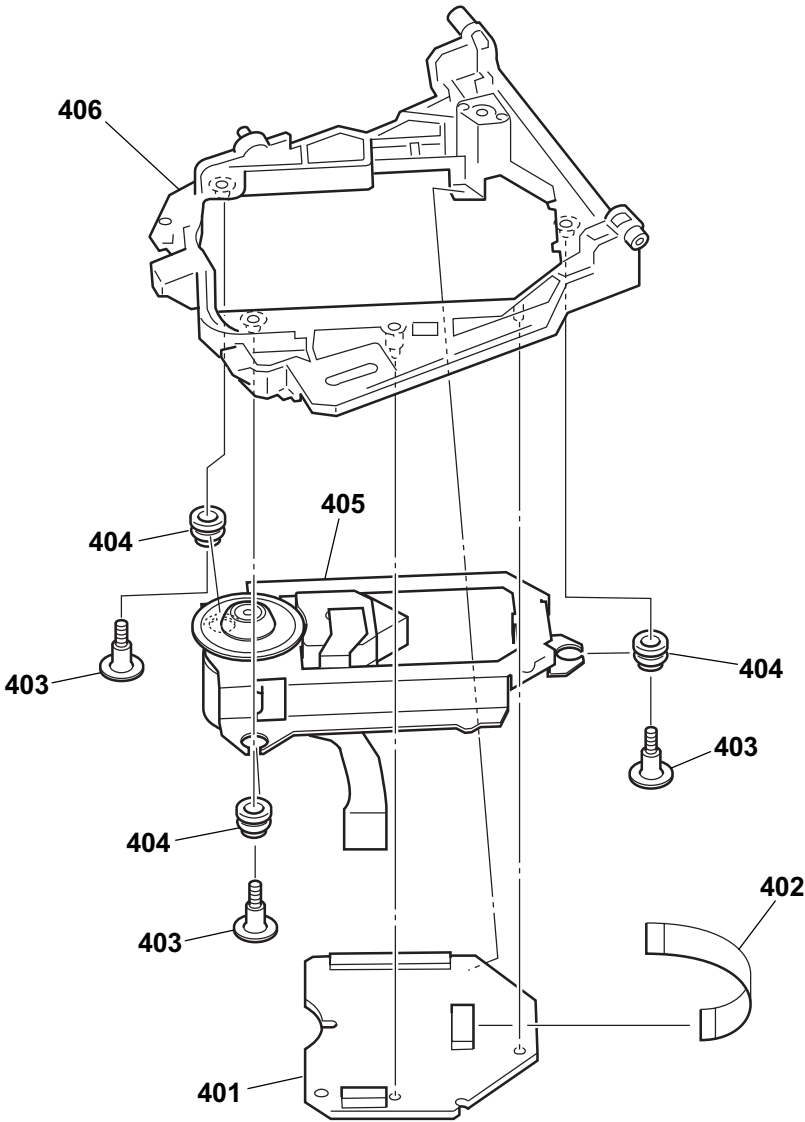
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
301	4-245-627-01	WASHER (6-2.7-0.4)		311	4-245-640-01	GEAR (CAP)	
302	4-245-637-01	ROLLER, RUBBER		312	4-245-626-01	CAP, CLAMPER (DBU-1)	
303	4-245-649-01	GEAR (IDL-I)		313	4-245-638-01	LEVER (CL UP1)	
304	4-245-657-01	LEVER (LOADING-R)		314	4-985-672-01	SCREW (+PTPWHM2.6), FLOATING	
305	4-245-647-01	GEAR (IDL-G)		315	4-245-636-01	SPR-T (CL DOWN)	
306	4-245-648-01	GEAR (IDL-H)		316	4-245-658-01	LEVER (DISC STOP)	
307	4-245-655-01	CHASSIS (TOP)		317	4-245-659-01	LEVER (DISC SENSOR)	
308	4-245-631-01	SPR-T (LOADING-R)		318	4-245-632-01	SPR-T (LOADING-L)	
309	4-245-650-01	GEAR (IDL-J)		319	4-245-625-01	CLAMPER (DBU-1)	
310	4-245-651-01	GEAR (IDL-L)		320	4-245-656-01	LEVER (LOADING-L)	

7-8. DVD MECHANISM DECK SECTION-3
(CDM80-DVBU24)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
351	4-245-643-01	GEAR (IDL-C)		359	4-245-640-01	GEAR (CAP)	
352	X-4955-497-2	CHASSIS (BOTTOM) ASSY		360	4-245-628-01	LEVER (BU LOCK)	
353	4-248-722-01	SPR-E (DIR)		361	4-248-206-01	WASHER (3-1-0.4)	
354	4-245-642-01	GEAR (IDL-B)		362	4-245-624-01	LEVER, CLOSE	
355	4-245-814-01	LEVER (DIR FIRST)		363	4-245-635-01	SPR-E (CLOSE LEVER)	
356	4-245-633-01	SPR-E (DIR BACK)		364	4-245-629-01	GEAR (BU LOCK)	
357	4-245-660-01	LEVER (DIR)		365	4-245-644-01	GEAR (IDL-D)	
358	4-245-641-01	GEAR (IDL-A)					

7-9. BASE UNIT SECTION



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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
401	A-4728-690-A	RF BOARD, COMPLETE		404	3-053-847-41	INSULATOR	
402	1-685-250-11	FLEXIBLE BOARD		\triangle 405	A-4713-410-A	OPTICAL PICK-UP BLOCK (DBU-1)	
403	4-981-923-01	SCREW (M), STEP		406	X-4955-484-1	HOLDER (BU) ASSY	

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.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
In each case, u : μ , for example:
uA.. : μ A.. uPA.. : μ PA..
uPB.. : μ PB.. uPC.. : μ PC.. uPD.. : μ PD..
- CAPACITORS
uF : μ F
- COILS
uH : μ H

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

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

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
	A-4749-699-A	AMP BOARD, COMPLETE *****					C343	1-162-995-11	CERAMIC CHIP	0.022uF			50V
							C344	1-162-995-11	CERAMIC CHIP	0.022uF			50V
							C345	1-162-995-11	CERAMIC CHIP	0.022uF			50V
	7-685-645-79	SCREW +BVTP 3X6 TYPE2 N-S					C346	1-126-948-11	ELECT	100uF	20%		35V
		< CAPACITOR >					C347	1-162-995-11	CERAMIC CHIP	0.022uF			50V
C300	1-162-970-11	CERAMIC CHIP	0.01uF	10%		25V	C348	1-104-658-11	ELECT	100uF	20%		10V
C301	1-164-156-11	CERAMIC CHIP	0.1uF			25V	C349	1-104-658-11	ELECT	100uF	20%		10V
C302	1-162-970-11	CERAMIC CHIP	0.01uF	10%		25V	C350	1-162-995-11	CERAMIC CHIP	0.022uF			50V
C303	1-164-156-11	CERAMIC CHIP	0.1uF			25V	C351	1-162-995-11	CERAMIC CHIP	0.022uF			50V
C304	1-164-156-11	CERAMIC CHIP	0.1uF			25V	C352	1-162-995-11	CERAMIC CHIP	0.022uF			50V
C305	1-162-970-11	CERAMIC CHIP	0.01uF	10%		25V	C353	1-162-995-11	CERAMIC CHIP	0.022uF			50V
C310	1-162-995-11	CERAMIC CHIP	0.022uF			50V	C354	1-165-740-31	ELECT	150uF	20%		35V
C311	1-162-995-11	CERAMIC CHIP	0.022uF			50V	C355	1-162-995-11	CERAMIC CHIP	0.022uF			50V
C312	1-162-995-11	CERAMIC CHIP	0.022uF			50V	C356	1-104-658-11	ELECT	100uF	20%		10V
C313	1-162-995-11	CERAMIC CHIP	0.022uF			50V	C357	1-104-658-11	ELECT	100uF	20%		10V
C314	1-126-948-11	ELECT	100uF	20%		35V	C358	1-216-864-11	METAL CHIP	0	5%		1/10W
C315	1-162-995-11	CERAMIC CHIP	0.022uF			50V	C360	1-162-970-11	CERAMIC CHIP	0.01uF	10%		25V
C316	1-104-658-11	ELECT	100uF	20%		10V	C362	1-162-927-11	CERAMIC CHIP	100PF	5%		50V
C317	1-104-658-11	ELECT	100uF	20%		10V	C363	1-163-021-11	CERAMIC CHIP	0.01uF	10%		50V
C318	1-162-995-11	CERAMIC CHIP	0.022uF			50V	C364	1-163-021-11	CERAMIC CHIP	0.01uF	10%		50V
C319	1-162-995-11	CERAMIC CHIP	0.022uF			50V	C365	1-163-021-11	CERAMIC CHIP	0.01uF	10%		50V
C320	1-162-995-11	CERAMIC CHIP	0.022uF			50V	C366	1-163-021-11	CERAMIC CHIP	0.01uF	10%		50V
C321	1-162-995-11	CERAMIC CHIP	0.022uF			50V	C367	1-163-021-11	CERAMIC CHIP	0.01uF	10%		50V
C322	1-126-948-11	ELECT	100uF	20%		35V	C368	1-163-021-11	CERAMIC CHIP	0.01uF	10%		50V
C323	1-162-995-11	CERAMIC CHIP	0.022uF			50V	C370	1-164-156-11	CERAMIC CHIP	0.1uF			25V
C324	1-104-658-11	ELECT	100uF	20%		10V	C371	1-164-156-11	CERAMIC CHIP	0.1uF			25V
C325	1-104-658-11	ELECT	100uF	20%		10V	C372	1-164-156-11	CERAMIC CHIP	0.1uF			25V
C326	1-162-995-11	CERAMIC CHIP	0.022uF			50V	C373	1-164-156-11	CERAMIC CHIP	0.1uF			25V
C327	1-162-995-11	CERAMIC CHIP	0.022uF			50V	C374	1-164-156-11	CERAMIC CHIP	0.1uF			25V
C328	1-162-995-11	CERAMIC CHIP	0.022uF			50V	C375	1-164-156-11	CERAMIC CHIP	0.1uF			25V
C329	1-162-995-11	CERAMIC CHIP	0.022uF			50V	C376	1-162-968-11	CERAMIC CHIP	0.0047uF	10%		50V
C330	1-126-948-11	ELECT	100uF	20%		35V	C377	1-162-968-11	CERAMIC CHIP	0.0047uF	10%		50V
C331	1-162-995-11	CERAMIC CHIP	0.022uF			50V	C378	1-162-968-11	CERAMIC CHIP	0.0047uF	10%		50V
C332	1-104-658-11	ELECT	100uF	20%		10V	C379	1-162-968-11	CERAMIC CHIP	0.0047uF	10%		50V
C333	1-104-658-11	ELECT	100uF	20%		10V	C380	1-162-968-11	CERAMIC CHIP	0.0047uF	10%		50V
C334	1-162-995-11	CERAMIC CHIP	0.022uF			50V	C384	1-131-704-11	FILM	1uF	5%		50V
C335	1-162-995-11	CERAMIC CHIP	0.022uF			50V	C385	1-131-704-11	FILM	1uF	5%		50V
C336	1-162-995-11	CERAMIC CHIP	0.022uF			50V	C386	1-131-704-11	FILM	1uF	5%		50V
C337	1-162-995-11	CERAMIC CHIP	0.022uF			50V	C387	1-131-704-11	FILM	1uF	5%		50V
C338	1-126-948-11	ELECT	100uF	20%		35V	C388	1-131-704-11	FILM	1uF	5%		50V
C339	1-162-995-11	CERAMIC CHIP	0.022uF			50V	C389	1-131-704-11	FILM	1uF	5%		50V
C340	1-104-658-11	ELECT	100uF	20%		10V	C390	1-131-704-11	FILM	1uF	5%		50V
C341	1-104-658-11	ELECT	100uF	20%		10V	C391	1-131-704-11	FILM	1uF	5%		50V
C342	1-162-995-11	CERAMIC CHIP	0.022uF			50V	C392	1-131-704-11	FILM	1uF	5%		50V
							C393	1-131-704-11	FILM	1uF	5%		50V

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C394	1-131-704-11	FILM	1uF	5%	50V	C475	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C395	1-131-704-11	FILM	1uF	5%	50V	C477	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C396	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C478	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C397	1-216-864-11	METAL CHIP	0	5%	1/10W	C479	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C400	1-126-947-11	ELECT	47uF	20%	16V	C480	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C401	1-126-947-11	ELECT	47uF	20%	16V	C481	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C402	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C482	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C403	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C483	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C404	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C484	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C405	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C485	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C406	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C486	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C407	1-162-928-11	CERAMIC CHIP	120PF	5%	50V	C487	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C408	1-162-928-11	CERAMIC CHIP	120PF	5%	50V	C488	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C409	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C489	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C410	1-126-933-11	ELECT	100uF	20%	16V	C490	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C411	1-126-947-11	ELECT	47uF	20%	35V	C491	1-125-889-11	CERAMIC CHIP	2.2uF	10%	10V
C420	1-125-889-11	CERAMIC CHIP	2.2uF	10%	10V	C501	1-126-933-11	ELECT	100uF	20%	16V
C421	1-125-889-11	CERAMIC CHIP	2.2uF	10%	10V	C502	1-126-193-11	ELECT	1uF	20%	50V
C422	1-125-889-11	CERAMIC CHIP	2.2uF	10%	10V	< CONNECTOR >					
C423	1-125-889-11	CERAMIC CHIP	2.2uF	10%	10V	CN302	1-779-277-11	CONNECTOR, FFC (LIF(NON-ZIF))	9P		
C424	1-125-889-11	CERAMIC CHIP	2.2uF	10%	10V	CN303	1-784-213-11	CONNECTOR, FFC (LIF(NON-ZIF))	15P		
C425	1-125-889-11	CERAMIC CHIP	2.2uF	10%	10V	* CN400	1-564-705-11	PIN, CONNECTOR (SMALL TYPE)	3P		
C426	1-125-889-11	CERAMIC CHIP	2.2uF	10%	10V	* CN502	1-564-704-11	PIN, CONNECTOR (SMALL TYPE)	2P		
C427	1-125-889-11	CERAMIC CHIP	2.2uF	10%	10V	< DIODE >					
C428	1-125-889-11	CERAMIC CHIP	2.2uF	10%	10V	D310	6-500-248-01	DIODE	SFPL-62V		
C429	1-125-889-11	CERAMIC CHIP	2.2uF	10%	10V	D311	6-500-248-01	DIODE	SFPL-62V		
C430	1-135-834-11	CERAMIC CHIP	2.2uF		6.3V	D312	6-500-248-01	DIODE	SFPL-62V		
C431	1-126-923-11	ELECT	220uF	20%	10V	D313	6-500-248-01	DIODE	SFPL-62V		
C432	1-164-156-11	CERAMIC CHIP	0.1uF		25V	D314	6-500-248-01	DIODE	SFPL-62V		
C433	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	D315	6-500-248-01	DIODE	SFPL-62V		
C434	1-104-658-11	ELECT	100uF	20%	10V	D316	6-500-248-01	DIODE	SFPL-62V		
C435	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	D317	6-500-248-01	DIODE	SFPL-62V		
C436	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	D318	6-500-248-01	DIODE	SFPL-62V		
C437	1-104-658-11	ELECT	100uF	20%	10V	D319	6-500-248-01	DIODE	SFPL-62V		
C438	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	D320	6-500-248-01	DIODE	SFPL-62V		
C439	1-164-156-11	CERAMIC CHIP	0.1uF		25V	D321	6-500-248-01	DIODE	SFPL-62V		
C444	1-162-995-11	CERAMIC CHIP	0.022uF		50V	D322	6-500-131-01	DIODE	LI116		
C445	1-162-995-11	CERAMIC CHIP	0.022uF		50V	D323	6-500-131-01	DIODE	LI116		
C446	1-162-995-11	CERAMIC CHIP	0.022uF		50V	D324	6-500-060-01	DIODE	P6SMB36AT3		
C447	1-162-995-11	CERAMIC CHIP	0.022uF		50V	D325	6-500-060-01	DIODE	P6SMB36AT3		
C448	1-162-995-11	CERAMIC CHIP	0.022uF		50V	D326	6-500-131-01	DIODE	LI116		
C449	1-162-995-11	CERAMIC CHIP	0.022uF		50V	D327	6-500-131-01	DIODE	LI116		
C450	1-126-965-11	ELECT	22uF	20%	50V	D328	6-500-131-01	DIODE	LI116		
C451	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	D329	6-500-131-01	DIODE	LI116		
C452	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	D330	6-500-131-01	DIODE	LI116		
C453	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V	D331	6-500-131-01	DIODE	LI116		
C454	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V	D332	6-500-131-01	DIODE	LI116		
C456	1-125-889-11	CERAMIC CHIP	2.2uF	10%	10V	D333	6-500-131-01	DIODE	LI116		
C457	1-125-889-11	CERAMIC CHIP	2.2uF	10%	10V	D334	6-500-131-01	DIODE	LI116		
C460	1-115-819-11	ELECT	2200uF	20%	35V	D335	6-500-131-01	DIODE	LI116		
C461	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V	D336	6-500-060-01	DIODE	P6SMB36AT3		
C467	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	D337	6-500-060-01	DIODE	P6SMB36AT3		
C468	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	D338	6-500-060-01	DIODE	P6SMB36AT3		
C469	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	D339	6-500-060-01	DIODE	P6SMB36AT3		
C470	1-109-982-11	CERAMIC CHIP	1uF	10%	10V	D340	6-500-060-01	DIODE	P6SMB36AT3		
C471	1-109-982-11	CERAMIC CHIP	1uF	10%	10V	D341	6-500-060-01	DIODE	P6SMB36AT3		
C473	1-109-982-11	CERAMIC CHIP	1uF	10%	10V						
C474	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V						

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
D342	6-500-060-01	DIODE P6SMB36AT3		L303	1-456-667-11	COIL, CHOKE 10uH	
D343	6-500-060-01	DIODE P6SMB36AT3		L304	1-456-667-11	COIL, CHOKE 10uH	
D344	6-500-060-01	DIODE P6SMB36AT3		L305	1-456-667-11	COIL, CHOKE 10uH	
D345	6-500-060-01	DIODE P6SMB36AT3		L306	1-456-667-11	COIL, CHOKE 10uH	
D390	8-719-988-61	DIODE 1SS355TE-17		L401	1-456-667-11	COIL, CHOKE 10uH	
D391	8-719-988-61	DIODE 1SS355TE-17		< TRANSISTOR >			
D392	8-719-988-61	DIODE 1SS355TE-17		Q470	8-729-602-36	TRANSISTOR 2SA1602-F	
D393	8-719-988-61	DIODE 1SS355TE-17		Q471	8-729-602-36	TRANSISTOR 2SA1602-F	
D396	8-719-988-61	DIODE 1SS355TE-17		Q472	8-729-602-36	TRANSISTOR 2SA1602-F	
D397	8-719-988-61	DIODE 1SS355TE-17		Q473	8-729-602-36	TRANSISTOR 2SA1602-F	
D400	8-719-988-61	DIODE 1SS355TE-17		Q474	8-729-602-36	TRANSISTOR 2SA1602-F	
D401	8-719-988-61	DIODE 1SS355TE-17		Q475	8-729-602-36	TRANSISTOR 2SA1602-F	
D501	8-719-801-78	DIODE 1SS184		Q476	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
< TERMINAL BOARD >				Q477	8-729-602-36	TRANSISTOR 2SA1602-F	
EP301	1-537-770-21	TERMINAL BOARD, GROUND		Q478	8-729-602-36	TRANSISTOR 2SA1602-F	
EP302	1-537-770-21	TERMINAL BOARD, GROUND		Q479	8-729-602-36	TRANSISTOR 2SA1602-F	
EP303	1-537-770-21	TERMINAL BOARD, GROUND		Q480	8-729-602-36	TRANSISTOR 2SA1602-F	
< JUMPER RESISTOR >				Q481	8-729-602-36	TRANSISTOR 2SA1602-F	
FB300	1-216-295-11	SHORT CHIP 0		Q482	8-729-602-36	TRANSISTOR 2SA1602-F	
* FB301	1-469-670-21	FERRITE, EMI (SMD)		Q501	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
FB302	1-216-295-11	SHORT CHIP 0		Q502	8-729-801-84	TRANSISTOR 2SB1013-4	
FB308	1-216-295-11	SHORT CHIP 0		< RESISTOR >			
FB309	1-216-295-11	SHORT CHIP 0		R300	1-216-820-11	METAL CHIP 820 5% 1/10W	
FB341	1-216-864-51	SHORT CHIP 0		R301	1-216-820-11	METAL CHIP 820 5% 1/10W	
FB342	1-216-864-51	SHORT CHIP 0		R302	1-216-814-11	METAL CHIP 270 5% 1/10W	
FB450	1-216-295-11	SHORT CHIP 0		R303	1-216-814-11	METAL CHIP 270 5% 1/10W	
FB451	1-216-295-11	SHORT CHIP 0		R304	1-216-821-11	METAL CHIP 1K 5% 1/10W	
< IC >				R305	1-216-821-11	METAL CHIP 1K 5% 1/10W	
IC300	6-703-287-01	IC CXD9743N		R306	1-216-821-11	METAL CHIP 1K 5% 1/10W	
IC301	6-703-287-01	IC CXD9743N		R307	1-216-864-11	METAL CHIP 0 5% 1/10W	
IC302	6-703-287-01	IC CXD9743N		R308	1-216-864-11	METAL CHIP 0 5% 1/10W	
IC310	6-703-288-01	IC CXD9750L		R309	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC311	6-703-288-01	IC CXD9750L		R310	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC312	6-703-288-01	IC CXD9750L		R311	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC313	6-703-288-01	IC CXD9750L		R312	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC314	6-703-288-01	IC CXD9750L		R313	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC315	6-703-288-01	IC CXD9750L		R314	1-216-811-11	METAL CHIP 150 5% 1/10W	
IC400	8-759-385-17	IC NJM4580E(TE2)		R320	1-216-833-11	METAL CHIP 10K 5% 1/10W	
IC430	8-759-533-85	IC L88M05T-FA-TL		R380	1-216-813-11	METAL CHIP 220 5% 1/10W	
IC431	8-759-460-72	IC BA033FP-E2		R381	1-216-813-11	METAL CHIP 220 5% 1/10W	
IC432	6-700-263-01	IC NJM2870F18(TE2)		R382	1-216-813-11	METAL CHIP 220 5% 1/10W	
IC450	8-759-834-29	IC MC74VHC1G04DFT1		R383	1-216-813-11	METAL CHIP 220 5% 1/10W	
< TERMINAL BOARD >				R384	1-216-813-11	METAL CHIP 220 5% 1/10W	
J301	1-694-998-11	TERMINAL BOARD (SPEAKER)		R385	1-216-813-11	METAL CHIP 220 5% 1/10W	
< JUMPER RESISTOR >				R386	1-216-813-11	METAL CHIP 220 5% 1/10W	
JR001	1-216-864-11	METAL CHIP 0 5% 1/10W		R387	1-216-813-11	METAL CHIP 220 5% 1/10W	
JR002	1-216-864-11	METAL CHIP 0 5% 1/10W		R388	1-216-813-11	METAL CHIP 220 5% 1/10W	
JR003	1-216-864-11	METAL CHIP 0 5% 1/10W		R389	1-216-813-11	METAL CHIP 220 5% 1/10W	
< COIL >				R390	1-216-813-11	METAL CHIP 220 5% 1/10W	
L300	1-412-936-11	INDUCTOR 0.56uH		R391	1-216-813-11	METAL CHIP 220 5% 1/10W	
L301	1-412-939-11	INDUCTOR 1uH		R400	1-216-182-00	RES-CHIP 220 5% 1/8W	
L302	1-456-667-11	COIL, CHOKE 10uH		R402	1-216-839-11	METAL CHIP 33K 5% 1/10W	
				R403	1-216-839-11	METAL CHIP 33K 5% 1/10W	
				R404	1-218-725-11	METAL CHIP 24K 5% 1/10W	
				R405	1-218-725-11	METAL CHIP 24K 5% 1/10W	
				R406	1-216-837-11	METAL CHIP 22K 5% 1/10W	
				R407	1-216-837-11	METAL CHIP 22K 5% 1/10W	

Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark
R408	1-216-837-11	METAL CHIP	22K	5%	1/10W		C151	1-126-206-11	ELECT CHIP	100uF	20%	6.3V	
R409	1-216-837-11	METAL CHIP	22K	5%	1/10W		C204	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R410	1-216-826-11	METAL CHIP	2.7K	5%	1/10W		C213	1-126-209-11	ELECT CHIP	100uF	20%	4V	
R411	1-216-837-11	METAL CHIP	22K	5%	1/10W		C214	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R412	1-216-837-11	METAL CHIP	22K	5%	1/10W		C215	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R413	1-216-837-11	METAL CHIP	22K	5%	1/10W		C216	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R414	1-216-837-11	METAL CHIP	22K	5%	1/10W		C218	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R415	1-216-825-11	METAL CHIP	2.2K	5%	1/10W		C220	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R417	1-216-864-11	METAL CHIP	0	5%	1/10W		C226	1-107-820-11	CERAMIC CHIP	0.1uF		16V	
R418	1-216-864-11	METAL CHIP	0	5%	1/10W		C227	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R420	1-216-821-11	METAL CHIP	1K	5%	1/10W		C229	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R421	1-216-821-11	METAL CHIP	1K	5%	1/10W		C230	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R422	1-216-821-11	METAL CHIP	1K	5%	1/10W		C231	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R423	1-216-821-11	METAL CHIP	1K	5%	1/10W		C232	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R424	1-216-821-11	METAL CHIP	1K	5%	1/10W		C233	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R425	1-216-821-11	METAL CHIP	1K	5%	1/10W		C234	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R426	1-216-821-11	METAL CHIP	1K	5%	1/10W		C235	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R430	1-216-845-11	METAL CHIP	100K	5%	1/10W		C236	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R450	1-216-864-11	METAL CHIP	0	5%	1/10W		C237	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R451	1-216-857-11	METAL CHIP	1M	5%	1/10W		C238	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R452	1-216-821-11	METAL CHIP	1K	5%	1/10W		C239	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R470	1-216-845-11	METAL CHIP	100K	5%	1/10W		C240	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R471	1-216-845-11	METAL CHIP	100K	5%	1/10W		C241	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R472	1-216-845-11	METAL CHIP	100K	5%	1/10W		C242	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R473	1-216-845-11	METAL CHIP	100K	5%	1/10W		C243	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R474	1-216-845-11	METAL CHIP	100K	5%	1/10W		C244	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R475	1-216-845-11	METAL CHIP	100K	5%	1/10W		C245	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R476	1-216-845-11	METAL CHIP	100K	5%	1/10W		C246	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R477	1-216-845-11	METAL CHIP	100K	5%	1/10W		C247	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R478	1-216-845-11	METAL CHIP	100K	5%	1/10W		C248	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R479	1-216-845-11	METAL CHIP	100K	5%	1/10W		C249	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R480	1-216-845-11	METAL CHIP	100K	5%	1/10W		C250	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R481	1-216-845-11	METAL CHIP	100K	5%	1/10W		C251	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R482	1-216-845-11	METAL CHIP	100K	5%	1/10W		C252	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R483	1-216-845-11	METAL CHIP	100K	5%	1/10W		C253	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R484	1-216-845-11	METAL CHIP	100K	5%	1/10W		C254	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R485	1-216-845-11	METAL CHIP	100K	5%	1/10W		C255	1-117-370-11	CERAMIC CHIP	10uF		10V	
R486	1-216-849-11	METAL CHIP	220K	5%	1/10W		C256	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R487	1-216-849-11	METAL CHIP	220K	5%	1/10W		C257	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R488	1-216-849-11	METAL CHIP	220K	5%	1/10W		C258	1-117-370-11	CERAMIC CHIP	10uF		10V	
R501	1-216-845-11	METAL CHIP	100K	5%	1/10W		C259	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R502	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		C260	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R503	1-216-841-11	METAL CHIP	47K	5%	1/10W		C261	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R504	1-216-192-00	RES-CHIP	560	5%	1/8W		C262	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R505	1-216-192-00	RES-CHIP	560	5%	1/8W		C263	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R506	1-216-192-00	RES-CHIP	560	5%	1/8W		C264	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
R507	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		C265	1-117-370-11	CERAMIC CHIP	10uF		10V	
R508	1-216-845-11	METAL CHIP	100K	5%	1/10W		C266	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
< VIBRATOR >							C267	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
X450	1-795-286-21	VIBRATOR, CRYSTAL (49.152MHz)					C268	1-164-947-11	CERAMIC CHIP	0.01uF		50V	

A-4749-704-A							C269	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
DMB03 BOARD, COMPLETE							C270	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
*****							C271	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
< CAPACITOR >							C272	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
							C273	1-164-858-11	CERAMIC CHIP	22PF	5%	50V	
							C275	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
							C281	1-164-947-11	CERAMIC CHIP	0.01uF		50V	
C101	1-126-246-11	ELECT CHIP	220uF	20%	4V		C282	1-164-947-11	CERAMIC CHIP	0.01uF		50V	

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C283	1-164-947-11	CERAMIC CHIP	0.01uF		50V	C547	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C284	1-164-947-11	CERAMIC CHIP	0.01uF		50V	C548	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C286	1-164-947-11	CERAMIC CHIP	0.01uF		50V	C551	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C287	1-164-947-11	CERAMIC CHIP	0.01uF		50V	C552	1-216-295-11	SHORT CHIP	0		
C308	1-164-874-11	CERAMIC CHIP	100PF	5%	50V	C553	1-164-940-11	CERAMIC CHIP	0.0033uF	10%	16V
C309	1-164-874-11	CERAMIC CHIP	100PF	5%	50V	C556	1-117-370-11	CERAMIC CHIP	10uF		10V
C315	1-164-947-11	CERAMIC CHIP	0.01uF		50V	C558	1-126-209-11	ELECT CHIP	100uF	20%	4V
C316	1-164-947-11	CERAMIC CHIP	0.01uF		50V	C559	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C342	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C560	1-164-938-11	CERAMIC CHIP	0.0015uF	10%	50V
C343	1-124-779-00	ELECT CHIP	10uF	20%	16V	C561	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C344	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C563	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C345	1-124-779-00	ELECT CHIP	10uF	20%	16V	C565	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C346	1-124-779-00	ELECT CHIP	10uF	20%	16V	C567	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C352	1-126-206-11	ELECT CHIP	100uF	20%	6.3V	C568	1-117-370-11	CERAMIC CHIP	10uF		10V
C355	1-126-206-11	ELECT CHIP	100uF	20%	6.3V	C569	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C356	1-126-193-11	ELECT CHIP	1uF	20%	50V	C570	1-117-370-11	CERAMIC CHIP	10uF		10V
C357	1-126-193-11	ELECT CHIP	1uF	20%	50V	C573	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C363	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C588	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V
C364	1-126-206-11	ELECT CHIP	100uF	20%	6.3V	C589	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V
C365	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C590	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V
C366	1-126-206-11	ELECT CHIP	100uF	20%	6.3V	C592	1-124-434-00	ELECT CHIP	220uF	20%	4V
C367	1-164-935-11	CERAMIC CHIP	470PF	10%	50V	C701	1-126-209-11	ELECT CHIP	100uF	20%	4V
C368	1-164-935-11	CERAMIC CHIP	470PF	10%	50V	C702	1-117-370-11	CERAMIC CHIP	10uF		10V
C392	1-126-395-11	ELECT CHIP	22uF	20%	16V	C703	1-125-777-11	CERAMIC CHIP	0.1uF	10%	6.3V
C393	1-164-947-11	CERAMIC CHIP	0.01uF		50V	C705	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C394	1-126-246-11	ELECT CHIP	220uF	20%	4V	C706	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C412	1-216-864-11	METAL CHIP	0	5%	1/10W	C708	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C413	1-216-864-11	METAL CHIP	0	5%	1/10W	C709	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C414	1-216-864-11	METAL CHIP	0	5%	1/10W	C711	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V
C415	1-216-864-11	METAL CHIP	0	5%	1/10W	C712	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C416	1-216-864-11	METAL CHIP	0	5%	1/10W	C713	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C501	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V	C714	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C502	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V	C715	1-164-938-11	CERAMIC CHIP	0.0015uF	10%	50V
C503	1-127-772-81	CERAMIC CHIP	0.033uF	10%	10V	C716	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C504	1-127-772-81	CERAMIC CHIP	0.033uF	10%	10V	C717	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C506	1-164-934-11	CERAMIC CHIP	330PF	10%	50V	C718	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C508	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C720	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C509	1-164-934-11	CERAMIC CHIP	330PF	10%	50V	C721	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C510	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C722	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C512	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V	C723	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C514	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V	C724	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C516	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V	C725	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C517	1-117-370-11	CERAMIC CHIP	10uF		10V	C726	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C518	1-164-947-11	CERAMIC CHIP	0.01uF		50V	C727	1-117-370-11	CERAMIC CHIP	10uF		10V
C519	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V	C728	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C522	1-125-777-11	CERAMIC CHIP	0.1uF	10%	6.3V	C729	1-117-370-11	CERAMIC CHIP	10uF		10V
C525	1-164-947-11	CERAMIC CHIP	0.01uF		50V	C730	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C526	1-126-395-11	ELECT CHIP	22uF	20%	16V	C740	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C527	1-164-947-11	CERAMIC CHIP	0.01uF		50V	C741	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C528	1-126-395-11	ELECT CHIP	22uF	20%	16V	C742	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C529	1-164-947-11	CERAMIC CHIP	0.01uF		50V	C743	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C531	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V	C744	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C533	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V	C745	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C534	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V	C752	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C535	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V	C760	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C543	1-107-820-11	CERAMIC CHIP	0.1uF		16V	C761	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C544	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C762	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C545	1-117-370-11	CERAMIC CHIP	10uF		10V	C763	1-107-820-11	CERAMIC CHIP	0.1uF		16V

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C764	1-107-820-11	CERAMIC CHIP 0.1uF	16V	D394	8-719-988-61	DIODE 1SS355TE-17	
C765	1-125-777-11	CERAMIC CHIP 0.1uF	10%	D901	8-719-988-61	DIODE 1SS355TE-17	
C766	1-164-874-11	CERAMIC CHIP 100PF	5%	D1201	8-719-988-61	DIODE 1SS355TE-17	
C767	1-125-777-11	CERAMIC CHIP 0.1uF	10%	D1202	8-719-988-61	DIODE 1SS355TE-17	
C768	1-125-777-11	CERAMIC CHIP 0.1uF	10%	D1203	8-719-988-61	DIODE 1SS355TE-17	
C769	1-125-777-11	CERAMIC CHIP 0.1uF	10%	D1204	8-719-988-61	DIODE 1SS355TE-17	
C770	1-107-820-11	CERAMIC CHIP 0.1uF	16V	D1801	8-719-988-61	DIODE 1SS355TE-17	
C771	1-119-923-11	CERAMIC CHIP 0.047uF	10%	D1802	8-719-988-61	DIODE 1SS355TE-17	
C772	1-107-820-11	CERAMIC CHIP 0.1uF	16V	D1805	8-719-988-61	DIODE 1SS355TE-17	
C773	1-125-891-11	CERAMIC CHIP 0.47uF	10%	D1806	8-719-988-61	DIODE 1SS355TE-17	
C774	1-164-941-11	CERAMIC CHIP 0.0047uF	10%			< FERRITE BEAD >	
C775	1-107-820-11	CERAMIC CHIP 0.1uF	16V	FB902	1-500-284-21	INDUCTOR, FERRITE BEAD	
C776	1-125-777-11	CERAMIC CHIP 0.1uF	10%	FB903	1-500-284-21	INDUCTOR, FERRITE BEAD	
C777	1-125-777-11	CERAMIC CHIP 0.1uF	10%			< FILTER >	
C778	1-107-820-11	CERAMIC CHIP 0.1uF	16V	FL203	1-234-177-21	FILTER, CHIP EMI	
C779	1-117-370-11	CERAMIC CHIP 10uF	10V	FL204	1-234-177-21	FILTER, CHIP EMI	
C780	1-117-370-11	CERAMIC CHIP 10uF	10V	FL205	1-234-177-21	FILTER, CHIP EMI	
C781	1-104-655-11	ELECT CHIP 470uF	20%	FL206	1-234-177-21	FILTER, CHIP EMI	
C782	1-164-938-11	CERAMIC CHIP 0.0015uF	10%	FL332	1-234-177-21	FILTER, CHIP EMI	
C783	1-164-938-11	CERAMIC CHIP 0.0015uF	10%	FL333	1-234-177-21	FILTER, CHIP EMI	
C901	1-126-209-11	ELECT CHIP 100uF	20%	FL352	1-234-177-21	FILTER, CHIP EMI	
C902	1-164-947-11	CERAMIC CHIP 0.01uF	50V	FL501	1-234-177-21	FILTER, CHIP EMI	
C903	1-126-209-11	ELECT CHIP 100uF	20%	FL502	1-234-177-21	FILTER, CHIP EMI	
C904	1-164-947-11	CERAMIC CHIP 0.01uF	50V	FL701	1-234-177-21	FILTER, CHIP EMI	
C905	1-164-947-11	CERAMIC CHIP 0.01uF	50V	FL702	1-234-177-21	FILTER, CHIP EMI	
C906	1-164-947-11	CERAMIC CHIP 0.01uF	50V	FL703	1-234-177-21	FILTER, CHIP EMI	
C907	1-164-947-11	CERAMIC CHIP 0.01uF	50V	FL704	1-234-177-21	FILTER, CHIP EMI	
C908	1-164-874-11	CERAMIC CHIP 100PF	5%	FL705	1-234-177-21	FILTER, CHIP EMI	
C909	1-164-874-11	CERAMIC CHIP 100PF	5%	FL706	1-234-177-21	FILTER, CHIP EMI	
C910	1-164-947-11	CERAMIC CHIP 0.01uF	50V	FL901	1-234-177-21	FILTER, CHIP EMI	
C913	1-127-772-81	CERAMIC CHIP 0.033uF	10%	FL903	1-234-177-21	FILTER, CHIP EMI	
C914	1-164-849-11	CERAMIC CHIP 9PF	0.5PF	FL908	1-234-177-21	FILTER, CHIP EMI	
C915	1-164-847-11	CERAMIC CHIP 7PF	0.5PF			< IC >	
C916	1-126-209-11	ELECT CHIP 100uF	20%	IC203	6-704-069-01	IC HY57V283220T-6	
C917	1-164-947-11	CERAMIC CHIP 0.01uF	50V	* IC204	6-703-671-01	IC BR9040F-WE2	
C918	1-164-947-11	CERAMIC CHIP 0.01uF	50V	IC206	6-803-679-01	IC MBM29PL32BM90TN-DAX90302	
C924	1-126-395-11	ELECT CHIP 22uF	20%	IC207	6-703-540-01	IC ZIVA5X-C1F	
C925	1-126-246-11	ELECT CHIP 220uF	20%	IC211	6-700-398-01	IC uPC2918T-E1	
C926	1-126-246-11	ELECT CHIP 220uF	20%	IC216	6-700-437-01	IC SN74ALVCH16841DGGR	
C927	1-164-947-11	CERAMIC CHIP 0.01uF	50V	IC255	8-759-649-43	IC SN74AHC1G00DCKR	
C928	1-117-370-11	CERAMIC CHIP 10uF	10V	IC256	8-759-549-21	IC SN74LV573APWR	
C1302	1-125-777-11	CERAMIC CHIP 0.1uF	10%	IC258	8-759-549-21	IC SN74LV573APWR	
C1304	1-125-777-11	CERAMIC CHIP 0.1uF	10%	IC259	8-759-549-21	IC SN74LV573APWR	
		< CONNECTOR >		IC331	6-703-788-01	IC PCM1751DBQR	
* CN101	1-784-365-31	CONNECTOR, FFC/FPC 5P		IC352	8-759-560-56	IC PCM1800E/2K	
CN102	1-815-954-21	PIN, CONNECTOR (PC BOARD) 13P		IC392	8-759-583-47	IC uPC2933T-E2	
CN105	1-784-374-31	CONNECTOR, FFC/FPC 15P		IC501	6-702-157-01	IC FAN8035L	
CN106	1-784-368-31	CONNECTOR, FFC/FPC 9P		IC503	8-759-058-43	IC NJM3404AV	
CN107	1-784-368-31	CONNECTOR, FFC/FPC 9P		IC509	8-752-408-73	IC CXD3068Q	
CN202	1-784-364-31	CONNECTOR, FFC/FPC 4P		IC701	6-703-552-01	IC TMC57929PGF-RDP	
CN501	1-778-957-11	CONNECTOR, FFC/FPC 29P		IC703	8-759-058-43	IC NJM3404AV	
CN901	1-764-177-11	PIN, CONNECTOR (SMD) (1.5mm) 7P		IC706	8-759-564-30	IC MSM51V18165B-60TSKR1	
		< DIODE >		IC901	8-753-214-99	IC CXP973064-235R	
D202	8-719-988-61	DIODE 1SS355TE-17		IC902	8-759-649-48	IC SN74AHC1G32DCKR	
D392	8-719-988-61	DIODE 1SS355TE-17		IC903	6-704-004-01	IC BR24L16F-WE2	
D393	8-719-988-61	DIODE 1SS355TE-17					

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
IC904	6-702-563-01	IC TC7W74FK-TE85L					R222	1-216-864-11	METAL CHIP	0	5%	1/10W	
IC906	6-700-407-01	IC SM8707GV-G-E2					R223	1-216-864-11	METAL CHIP	0	5%	1/10W	
IC907	8-759-583-47	IC uPC2933T-E2					R224	1-216-864-11	METAL CHIP	0	5%	1/10W	
< JUMPER RESISTOR >							R225	1-216-799-11	METAL CHIP	15	5%	1/10W	
						R226	1-216-864-11	METAL CHIP	0	5%	1/10W		
JW392	1-216-864-11	METAL CHIP	0	5%	1/10W	R227	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		
JW601	1-218-990-11	SHORT CHIP	0				R228	1-216-864-11	METAL CHIP	0	5%	1/10W	
JW602	1-218-990-11	SHORT CHIP	0				R230	1-216-803-11	METAL CHIP	33	5%	1/10W	
JW603	1-218-990-11	SHORT CHIP	0				R231	1-216-803-11	METAL CHIP	33	5%	1/10W	
JW604	1-218-990-11	SHORT CHIP	0				R232	1-216-803-11	METAL CHIP	33	5%	1/10W	
						R233	1-216-864-11	METAL CHIP	0	5%	1/10W		
JW605	1-218-990-11	SHORT CHIP	0				R234	1-216-833-11	METAL CHIP	10K	5%	1/10W	
JW606	1-218-990-11	SHORT CHIP	0				R240	1-216-841-11	METAL CHIP	47K	5%	1/10W	
JW607	1-218-990-11	SHORT CHIP	0				R243	1-216-864-11	METAL CHIP	0	5%	1/10W	
JW801	1-218-990-11	SHORT CHIP	0				R244	1-216-821-11	METAL CHIP	1K	5%	1/10W	
JW802	1-218-990-11	SHORT CHIP	0										
JW803	1-218-990-11	SHORT CHIP	0				R245	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
JW804	1-218-990-11	SHORT CHIP	0				R246	1-216-833-11	METAL CHIP	10K	5%	1/10W	
JW805	1-218-990-11	SHORT CHIP	0				R247	1-216-821-11	METAL CHIP	1K	5%	1/10W	
JW806	1-218-990-11	SHORT CHIP	0				R248	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
L402	1-216-296-11	SHORT CHIP	0				R250	1-216-864-11	METAL CHIP	0	5%	1/10W	
						R251	1-216-864-11	METAL CHIP	0	5%	1/10W		
L403	1-216-296-11	SHORT CHIP	0				R253	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
L404	1-216-296-11	SHORT CHIP	0				R254	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
L405	1-216-296-11	SHORT CHIP	0				R255	1-216-864-11	METAL CHIP	0	5%	1/10W	
L406	1-216-296-11	SHORT CHIP	0				R257	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
L412	1-216-296-11	SHORT CHIP	0										
L413	1-216-296-11	SHORT CHIP	0				R259	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
L414	1-216-296-11	SHORT CHIP	0				R260	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
L415	1-216-296-11	SHORT CHIP	0				R261	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
L416	1-216-296-11	SHORT CHIP	0				R262	1-216-864-11	METAL CHIP	0	5%	1/10W	
						R263	1-218-285-11	METAL CHIP	75	5%	1/10W		
< COIL >						R264	1-218-285-11	METAL CHIP	75	5%	1/10W		
L901	1-412-031-11	INDUCTOR	47uH				R265	1-218-285-11	METAL CHIP	75	5%	1/10W	
< TRANSISTOR >						R266	1-218-285-11	METAL CHIP	75	5%	1/10W		
Q202	8-729-929-26	TRANSISTOR	DTC114TE				R267	1-218-285-11	METAL CHIP	75	5%	1/10W	
Q901	8-729-929-26	TRANSISTOR	DTC114TE				R268	1-216-799-11	METAL CHIP	15	5%	1/10W	
Q903	8-729-025-28	FET	2SK1828				R269	1-216-864-11	METAL CHIP	0	5%	1/10W	
Q904	8-729-025-28	FET	2SK1828				R270	1-216-864-11	METAL CHIP	0	5%	1/10W	
< RESISTOR >						R271	1-216-864-11	METAL CHIP	0	5%	1/10W		
R10	1-216-801-11	METAL CHIP	22	5%	1/10W	R272	1-216-864-11	METAL CHIP	0	5%	1/10W		
R11	1-216-801-11	METAL CHIP	22	5%	1/10W	R273	1-216-864-11	METAL CHIP	0	5%	1/10W		
R12	1-216-801-11	METAL CHIP	22	5%	1/10W	R274	1-216-864-11	METAL CHIP	0	5%	1/10W		
R13	1-216-801-11	METAL CHIP	22	5%	1/10W	R275	1-216-864-11	METAL CHIP	0	5%	1/10W		
R14	1-216-801-11	METAL CHIP	22	5%	1/10W	R276	1-216-864-11	METAL CHIP	0	5%	1/10W		
						R277	1-216-864-11	METAL CHIP	0	5%	1/10W		
R15	1-216-801-11	METAL CHIP	22	5%	1/10W	R278	1-218-285-11	METAL CHIP	75	5%	1/10W		
R197	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R279	1-218-285-11	METAL CHIP	75	5%	1/10W		
R198	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R280	1-218-285-11	METAL CHIP	75	5%	1/10W		
R201	1-216-864-11	METAL CHIP	0	5%	1/10W	R281	1-218-285-11	METAL CHIP	75	5%	1/10W		
R207	1-216-864-11	METAL CHIP	0	5%	1/10W	R282	1-218-285-11	METAL CHIP	75	5%	1/10W		
						R283	1-218-847-11	METAL CHIP	1K	0.5%	1/10W		
R213	1-216-807-11	METAL CHIP	68	5%	1/10W	R284	1-218-829-11	METAL CHIP	180	0.5%	1/10W		
R214	1-216-864-11	METAL CHIP	0	5%	1/10W	R285	1-216-864-11	METAL CHIP	0	5%	1/10W		
R215	1-216-864-11	METAL CHIP	0	5%	1/10W	R293	1-216-864-11	METAL CHIP	0	5%	1/10W		
R217	1-216-864-11	METAL CHIP	0	5%	1/10W	R294	1-216-864-11	METAL CHIP	0	5%	1/10W		
R218	1-414-227-11	INDUCTOR, FERRITE BEAD				R296	1-216-864-11	METAL CHIP	0	5%	1/10W		
						R301	1-216-821-11	METAL CHIP	1K	5%	1/10W		
R219	1-216-864-11	METAL CHIP	0	5%	1/10W	R308	1-216-813-11	METAL CHIP	220	5%	1/10W		
R220	1-216-864-11	METAL CHIP	0	5%	1/10W	R309	1-216-813-11	METAL CHIP	220	5%	1/10W		
R221	1-216-864-11	METAL CHIP	0	5%	1/10W								

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R310	1-216-809-11	METAL CHIP	100	5%	1/10W	R554	1-216-864-11	METAL CHIP	0	5%	1/10W
R311	1-216-809-11	METAL CHIP	100	5%	1/10W	R555	1-216-864-11	METAL CHIP	0	5%	1/10W
R312	1-216-809-11	METAL CHIP	100	5%	1/10W	R558	1-216-841-11	METAL CHIP	47K	5%	1/10W
R319	1-216-864-11	METAL CHIP	0	5%	1/10W	R559	1-216-821-11	METAL CHIP	1K	5%	1/10W
R327	1-216-864-11	METAL CHIP	0	5%	1/10W	R560	1-216-821-11	METAL CHIP	1K	5%	1/10W
R328	1-216-864-11	METAL CHIP	0	5%	1/10W	R561	1-216-821-11	METAL CHIP	1K	5%	1/10W
R329	1-216-864-11	METAL CHIP	0	5%	1/10W	R562	1-216-821-11	METAL CHIP	1K	5%	1/10W
R335	1-216-864-11	METAL CHIP	0	5%	1/10W	R563	1-216-821-11	METAL CHIP	1K	5%	1/10W
R342	1-216-801-11	METAL CHIP	22	5%	1/10W	R564	1-216-821-11	METAL CHIP	1K	5%	1/10W
R352	1-216-864-11	METAL CHIP	0	5%	1/10W	R565	1-216-821-11	METAL CHIP	1K	5%	1/10W
R353	1-216-864-11	METAL CHIP	0	5%	1/10W	R566	1-216-833-11	METAL CHIP	10K	5%	1/10W
R362	1-216-833-11	METAL CHIP	10K	5%	1/10W	R567	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R392	1-216-797-11	METAL CHIP	10	5%	1/10W	R568	1-216-857-11	METAL CHIP	1M	5%	1/10W
R501	1-216-864-11	METAL CHIP	0	5%	1/10W	R571	1-216-857-11	METAL CHIP	1M	5%	1/10W
R502	1-216-864-11	METAL CHIP	0	5%	1/10W	R572	1-216-853-11	METAL CHIP	470K	5%	1/10W
R503	1-216-841-11	METAL CHIP	47K	5%	1/10W	R573	1-216-833-11	METAL CHIP	10K	5%	1/10W
R504	1-216-841-11	METAL CHIP	47K	5%	1/10W	R575	1-216-864-11	METAL CHIP	0	5%	1/10W
R505	1-216-841-11	METAL CHIP	47K	5%	1/10W	R576	1-216-864-11	METAL CHIP	0	5%	1/10W
R506	1-216-841-11	METAL CHIP	47K	5%	1/10W	R577	1-216-864-11	METAL CHIP	0	5%	1/10W
R507	1-216-864-11	METAL CHIP	0	5%	1/10W	R578	1-216-864-11	METAL CHIP	0	5%	1/10W
R508	1-216-864-11	METAL CHIP	0	5%	1/10W	R579	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R510	1-216-847-11	METAL CHIP	150K	5%	1/10W	R580	1-216-839-11	METAL CHIP	33K	5%	1/10W
R511	1-216-847-11	METAL CHIP	150K	5%	1/10W	R581	1-216-834-11	METAL CHIP	12K	5%	1/10W
R512	1-216-842-11	METAL CHIP	56K	5%	1/10W	R583	1-216-864-11	METAL CHIP	0	5%	1/10W
R513	1-216-842-11	METAL CHIP	56K	5%	1/10W	R584	1-216-839-11	METAL CHIP	33K	5%	1/10W
R516	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R585	1-216-864-11	METAL CHIP	0	5%	1/10W
R517	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R586	1-218-747-11	METAL CHIP	200K	5%	1/10W
R519	1-216-845-11	METAL CHIP	100K	5%	1/10W	R587	1-216-864-11	METAL CHIP	0	5%	1/10W
R520	1-216-833-11	METAL CHIP	10K	5%	1/10W	R588	1-216-833-11	METAL CHIP	10K	5%	1/10W
R521	1-216-845-11	METAL CHIP	100K	5%	1/10W	R589	1-216-833-11	METAL CHIP	10K	5%	1/10W
R522	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R592	1-216-864-11	METAL CHIP	0	5%	1/10W
R523	1-216-833-11	METAL CHIP	10K	5%	1/10W	R593	1-216-845-11	METAL CHIP	100K	5%	1/10W
R524	1-216-833-11	METAL CHIP	10K	5%	1/10W	R597	1-216-864-11	METAL CHIP	0	5%	1/10W
R525	1-216-833-11	METAL CHIP	10K	5%	1/10W	R599	1-216-821-11	METAL CHIP	1K	5%	1/10W
R527	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R601	1-216-864-11	METAL CHIP	0	5%	1/10W
R528	1-216-864-11	METAL CHIP	0	5%	1/10W	R615	1-216-864-11	METAL CHIP	0	5%	1/10W
R529	1-216-839-11	METAL CHIP	33K	5%	1/10W	R694	1-216-833-11	METAL CHIP	10K	5%	1/10W
R530	1-216-842-11	METAL CHIP	56K	5%	1/10W	R695	1-216-864-11	METAL CHIP	0	5%	1/10W
R531	1-216-864-11	METAL CHIP	0	5%	1/10W	R696	1-216-864-11	METAL CHIP	0	5%	1/10W
R532	1-216-864-11	METAL CHIP	0	5%	1/10W	R698	1-216-864-11	METAL CHIP	0	5%	1/10W
R533	1-216-839-11	METAL CHIP	33K	5%	1/10W	R699	1-216-864-11	METAL CHIP	0	5%	1/10W
R534	1-216-842-11	METAL CHIP	56K	5%	1/10W	R700	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R535	1-216-864-11	METAL CHIP	0	5%	1/10W	R707	1-216-809-11	METAL CHIP	100	5%	1/10W
R536	1-216-833-11	METAL CHIP	10K	5%	1/10W	R708	1-216-853-11	METAL CHIP	470K	5%	1/10W
R537	1-216-843-11	METAL CHIP	68K	5%	1/10W	R709	1-216-847-11	METAL CHIP	150K	5%	1/10W
R538	1-216-864-11	METAL CHIP	0	5%	1/10W	R710	1-216-833-11	METAL CHIP	10K	5%	1/10W
R539	1-216-864-11	METAL CHIP	0	5%	1/10W	R711	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R540	1-216-864-11	METAL CHIP	0	5%	1/10W	R712	1-216-833-11	METAL CHIP	10K	5%	1/10W
R541	1-216-864-11	METAL CHIP	0	5%	1/10W	R713	1-216-833-11	METAL CHIP	10K	5%	1/10W
R543	1-216-864-11	METAL CHIP	0	5%	1/10W	R714	1-216-833-11	METAL CHIP	10K	5%	1/10W
R544	1-216-864-11	METAL CHIP	0	5%	1/10W	R715	1-216-833-11	METAL CHIP	10K	5%	1/10W
R545	1-216-833-11	METAL CHIP	10K	5%	1/10W	R716	1-216-809-11	METAL CHIP	100	5%	1/10W
R547	1-216-864-11	METAL CHIP	0	5%	1/10W	R717	1-216-845-11	METAL CHIP	100K	5%	1/10W
R548	1-216-833-11	METAL CHIP	10K	5%	1/10W	R718	1-216-833-11	METAL CHIP	10K	5%	1/10W
R550	1-216-821-11	METAL CHIP	1K	5%	1/10W	R719	1-216-821-11	METAL CHIP	1K	5%	1/10W
R551	1-216-821-11	METAL CHIP	1K	5%	1/10W	R720	1-216-821-11	METAL CHIP	1K	5%	1/10W
R552	1-216-821-11	METAL CHIP	1K	5%	1/10W	R721	1-216-839-11	METAL CHIP	33K	5%	1/10W
R553	1-216-864-11	METAL CHIP	0	5%	1/10W	R724	1-216-821-11	METAL CHIP	1K	5%	1/10W

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R725	1-216-824-11	METAL CHIP	1.8K	5%	1/10W	R908	1-216-833-11	METAL CHIP	10K	5%	1/10W
R726	1-216-845-11	METAL CHIP	100K	5%	1/10W	R910	1-216-864-11	METAL CHIP	0	5%	1/10W
R727	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R911	1-216-833-11	METAL CHIP	10K	5%	1/10W
R728	1-216-833-11	METAL CHIP	10K	5%	1/10W	R912	1-216-833-11	METAL CHIP	10K	5%	1/10W
R730	1-216-801-11	METAL CHIP	22	5%	1/10W	R913	1-216-833-11	METAL CHIP	10K	5%	1/10W
R731	1-216-801-11	METAL CHIP	22	5%	1/10W	R915	1-216-809-11	METAL CHIP	100	5%	1/10W
R732	1-216-833-11	METAL CHIP	10K	5%	1/10W	R916	1-216-821-11	METAL CHIP	1K	5%	1/10W
R733	1-216-833-11	METAL CHIP	10K	5%	1/10W	R917	1-216-821-11	METAL CHIP	1K	5%	1/10W
R734	1-216-833-11	METAL CHIP	10K	5%	1/10W	R918	1-216-801-11	METAL CHIP	22	5%	1/10W
R735	1-216-833-11	METAL CHIP	10K	5%	1/10W	R919	1-216-864-11	METAL CHIP	0	5%	1/10W
R736	1-216-833-11	METAL CHIP	10K	5%	1/10W	R920	1-216-809-11	METAL CHIP	100	5%	1/10W
R737	1-216-833-11	METAL CHIP	10K	5%	1/10W	R921	1-216-809-11	METAL CHIP	100	5%	1/10W
R738	1-216-833-11	METAL CHIP	10K	5%	1/10W	R923	1-216-813-11	METAL CHIP	220	5%	1/10W
R741	1-216-801-11	METAL CHIP	22	5%	1/10W	R925	1-216-809-11	METAL CHIP	100	5%	1/10W
R742	1-216-801-11	METAL CHIP	22	5%	1/10W	R926	1-216-809-11	METAL CHIP	100	5%	1/10W
R743	1-216-801-11	METAL CHIP	22	5%	1/10W	R927	1-216-857-11	METAL CHIP	1M	5%	1/10W
R744	1-216-801-11	METAL CHIP	22	5%	1/10W	R930	1-216-809-11	METAL CHIP	100	5%	1/10W
R745	1-216-841-11	METAL CHIP	47K	5%	1/10W	R931	1-216-801-11	METAL CHIP	22	5%	1/10W
R746	1-216-841-11	METAL CHIP	47K	5%	1/10W	R932	1-216-801-11	METAL CHIP	22	5%	1/10W
R747	1-216-839-11	METAL CHIP	33K	5%	1/10W	R933	1-216-801-11	METAL CHIP	22	5%	1/10W
R748	1-216-839-11	METAL CHIP	33K	5%	1/10W	R935	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R750	1-216-833-11	METAL CHIP	10K	5%	1/10W	R940	1-216-809-11	METAL CHIP	100	5%	1/10W
R751	1-216-864-11	METAL CHIP	0	5%	1/10W	R942	1-216-809-11	METAL CHIP	100	5%	1/10W
R752	1-216-864-11	METAL CHIP	0	5%	1/10W	R943	1-216-809-11	METAL CHIP	100	5%	1/10W
R753	1-216-864-11	METAL CHIP	0	5%	1/10W	R947	1-216-864-11	METAL CHIP	0	5%	1/10W
R754	1-216-864-11	METAL CHIP	0	5%	1/10W	R948	1-216-864-11	METAL CHIP	0	5%	1/10W
R755	1-216-864-11	METAL CHIP	0	5%	1/10W	R949	1-216-864-11	METAL CHIP	0	5%	1/10W
R756	1-216-864-11	METAL CHIP	0	5%	1/10W	R958	1-216-801-11	METAL CHIP	22	5%	1/10W
R757	1-216-864-11	METAL CHIP	0	5%	1/10W	R962	1-216-833-11	METAL CHIP	10K	5%	1/10W
R758	1-216-864-11	METAL CHIP	0	5%	1/10W	R964	1-216-833-11	METAL CHIP	10K	5%	1/10W
R759	1-216-864-11	METAL CHIP	0	5%	1/10W	R970	1-216-864-11	METAL CHIP	0	5%	1/10W
R762	1-216-837-11	METAL CHIP	22K	5%	1/10W	R971	1-216-864-11	METAL CHIP	0	5%	1/10W
R763	1-216-832-11	METAL CHIP	8.2K	5%	1/10W	R973	1-216-864-11	METAL CHIP	0	5%	1/10W
R764	1-216-857-11	METAL CHIP	1M	5%	1/10W	R974	1-216-864-11	METAL CHIP	0	5%	1/10W
R765	1-216-837-11	METAL CHIP	22K	5%	1/10W	R975	1-216-833-11	METAL CHIP	10K	5%	1/10W
R766	1-216-864-11	METAL CHIP	0	5%	1/10W	R976	1-216-864-11	METAL CHIP	0	5%	1/10W
R767	1-216-841-11	METAL CHIP	47K	5%	1/10W	R978	1-216-833-11	METAL CHIP	10K	5%	1/10W
R769	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R984	1-216-833-11	METAL CHIP	10K	5%	1/10W
R770	1-216-864-11	METAL CHIP	0	5%	1/10W	R988	1-216-864-11	METAL CHIP	0	5%	1/10W
R776	1-216-864-11	METAL CHIP	0	5%	1/10W	R990	1-216-864-11	METAL CHIP	0	5%	1/10W
R777	1-216-864-11	METAL CHIP	0	5%	1/10W	R991	1-216-864-11	METAL CHIP	0	5%	1/10W
R778	1-216-845-11	METAL CHIP	100K	5%	1/10W	R992	1-216-864-11	METAL CHIP	0	5%	1/10W
R780	1-216-864-11	METAL CHIP	0	5%	1/10W	R994	1-216-864-11	METAL CHIP	0	5%	1/10W
R781	1-216-864-11	METAL CHIP	0	5%	1/10W	R995	1-216-864-11	METAL CHIP	0	5%	1/10W
R784	1-216-864-11	METAL CHIP	0	5%	1/10W	R996	1-216-864-11	METAL CHIP	0	5%	1/10W
R785	1-216-833-11	METAL CHIP	10K	5%	1/10W	R997	1-216-864-11	METAL CHIP	0	5%	1/10W
R786	1-216-845-11	METAL CHIP	100K	5%	1/10W	R998	1-216-864-11	METAL CHIP	0	5%	1/10W
R787	1-216-845-11	METAL CHIP	100K	5%	1/10W	R1000	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R788	1-216-845-11	METAL CHIP	100K	5%	1/10W	R1101	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
R789	1-216-845-11	METAL CHIP	100K	5%	1/10W	R1201	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R799	1-216-864-11	METAL CHIP	0	5%	1/10W	R1202	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R805	1-216-864-11	METAL CHIP	0	5%	1/10W	R1301	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
R901	1-216-801-11	METAL CHIP	22	5%	1/10W	R1302	1-216-849-11	METAL CHIP	220K	5%	1/10W
R902	1-216-801-11	METAL CHIP	22	5%	1/10W	R1303	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
R904	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1304	1-216-849-11	METAL CHIP	220K	5%	1/10W
R905	1-216-801-11	METAL CHIP	22	5%	1/10W	R1802	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
R906	1-216-801-11	METAL CHIP	22	5%	1/10W	R1803	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
R907	1-216-801-11	METAL CHIP	22	5%	1/10W	R1810	1-216-864-11	METAL CHIP	0	5%	1/10W

DMB03

DRIVER

F-AV

Ref. No.	Part No.	Description	Remark		
R9980	1-216-864-11	METAL CHIP	0	5%	1/10W
R9981	1-216-864-11	METAL CHIP	0	5%	1/10W
R9982	1-216-864-11	METAL CHIP	0	5%	1/10W
R9983	1-216-864-11	METAL CHIP	0	5%	1/10W
R9984	1-216-864-11	METAL CHIP	0	5%	1/10W
R9985	1-216-864-11	METAL CHIP	0	5%	1/10W
R9986	1-216-864-11	METAL CHIP	0	5%	1/10W
R9987	1-216-864-11	METAL CHIP	0	5%	1/10W
R9988	1-216-864-11	METAL CHIP	0	5%	1/10W
R9993	1-216-864-11	METAL CHIP	0	5%	1/10W
R9994	1-216-864-11	METAL CHIP	0	5%	1/10W
R9998	1-216-864-11	METAL CHIP	0	5%	1/10W
R9999	1-216-864-11	METAL CHIP	0	5%	1/10W
< NETWORK RESISTOR >					
RB10	1-233-388-11	RES, CHIP NETWORK 68X4 (3216)			
RB11	1-233-388-11	RES, CHIP NETWORK 68X4 (3216)			
RB12	1-233-388-11	RES, CHIP NETWORK 68X4 (3216)			
RB13	1-233-388-11	RES, CHIP NETWORK 68X4 (3216)			
RB14	1-233-388-11	RES, CHIP NETWORK 68X4 (3216)			
RB15	1-233-388-11	RES, CHIP NETWORK 68X4 (3216)			
RB16	1-233-388-11	RES, CHIP NETWORK 68X4 (3216)			
RB17	1-233-388-11	RES, CHIP NETWORK 68X4 (3216)			
RB18	1-234-524-21	RES, CHIP NETWORK 33X4 (3216)			
RB19	1-234-524-21	RES, CHIP NETWORK 33X4 (3216)			
RB20	1-234-524-21	RES, CHIP NETWORK 33X4 (3216)			
RB21	1-234-524-21	RES, CHIP NETWORK 33X4 (3216)			
< VIBRATOR >					
X901	1-781-945-21	VIBRATOR, CERAMIC (20MHz)			
X902	1-795-630-11	VIBRATOR, CRYSTAL (27MHz)			

	1-688-337-11	DRIVER BOARD			

< CAPACITOR >					
C705	1-162-306-11	CERAMIC	0.01uF	30%	16V
C711	1-126-964-11	ELECT	10uF	20%	50V
< CONNECTOR >					
CN701	1-785-333-11	PIN, CONNECTOR (LIGHT ANGLE) 7P			
< DIODE >					
D701	8-719-921-40	DIODE MTZJ-4.7C			
< IC >					
IC701	8-759-598-69	IC BA6956AN			
< RESISTOR >					
R701	1-249-415-11	CARBON	680	5%	1/4W
R702	1-247-807-31	CARBON	100	5%	1/4W
< SWITCH >					
S701	1-762-951-13	SWITCH, PUSH (OUT)			
S702	1-762-951-13	SWITCH, PUSH (CHUCK)			
S703	1-762-951-13	SWITCH, PUSH (TRIGGER)			

Ref. No.	Part No.	Description	Remark		
	A-4749-695-A	F-AV BOARD, COMPLETE			

< CAPACITOR >					
C838	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C839	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C840	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C841	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C842	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C846	1-126-157-11	ELECT	10uF	20%	16V
C847	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C848	1-126-157-11	ELECT	10uF	20%	16V
C849	1-124-257-00	ELECT	2.2uF	20%	50V
C850	1-119-774-11	ELECT	100uF	20%	16V
C851	1-119-774-11	ELECT	100uF	20%	16V
C852	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C853	1-126-157-11	ELECT	10uF	20%	16V
C854	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C855	1-124-257-00	ELECT	2.2uF	20%	50V
C856	1-124-463-00	ELECT	0.1uF	20%	50V
C857	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C858	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C859	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C860	1-124-464-11	ELECT	0.22uF	20%	50V
C861	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C862	1-124-464-11	ELECT	0.22uF	20%	50V
C863	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C864	1-126-157-11	ELECT	10uF	20%	16V
C865	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C866	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C872	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C873	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	25V
C878	1-126-157-11	ELECT	10uF	20%	16V
< CONNECTOR >					
CN805	1-568-826-11	CONNECTOR, FFC 7P			
< DIODE >					
D809	8-719-988-61	DIODE 1SS355TE-17			
D810	8-719-988-61	DIODE 1SS355TE-17			
D811	8-719-988-61	DIODE 1SS355TE-17			
D812	8-719-988-61	DIODE 1SS355TE-17			
D813	8-719-988-61	DIODE 1SS355TE-17			
< TERMINAL BOARD >					
EP801	1-537-770-21	TERMINAL BOARD, GROUND			
EP802	1-537-770-21	TERMINAL BOARD, GROUND			
< FERRITE BEAD >					
FB804	1-216-864-11	METAL CHIP	0	5%	1/10W
FB805	1-469-144-21	FERRITE, EMI (SMD)			
FB806	1-469-144-21	FERRITE, EMI (SMD)			
FB807	1-469-144-21	FERRITE, EMI (SMD)			
FB808	1-469-144-21	FERRITE, EMI (SMD)			
FB809	1-469-144-21	FERRITE, EMI (SMD)			
FB810	1-216-864-11	METAL CHIP	0	5%	1/10W
FB811	1-414-227-11	INDUCTOR, FERRITE BEAD			

CX-VX5



Ref. No.	Part No.	Description	Remark
< IC >			
IC803	8-759-100-96	IC uPC4558G2	
IC804	8-759-539-45	IC M62429P	
< JACK >			
J801	1-793-521-11	JACK (LARGE TYPE) (PHONES)	
J802	1-793-521-11	JACK (LARGE TYPE) (MIC2)	
J803	1-793-521-11	JACK (LARGE TYPE) (MIC1)	
J804	1-764-592-11	JACK 3P (VIDEO 2)	
< COIL >			
L804	1-410-387-11	INDUCTOR 33uH	
L805	1-410-387-11	INDUCTOR 33uH	
< TRANSISTOR >			
Q803	8-729-920-31	TRANSISTOR DTC343TK	
Q804	8-729-920-31	TRANSISTOR DTC343TK	
Q805	8-729-920-31	TRANSISTOR DTC343TK	
Q806	8-729-920-31	TRANSISTOR DTC343TK	
Q807	8-729-119-78	TRANSISTOR 2SC2785-HFE	
< RESISTOR >			
R825	1-216-864-11	METAL CHIP 0 5% 1/10W	
R826	1-216-864-11	METAL CHIP 0 5% 1/10W	
R827	1-216-864-11	METAL CHIP 0 5% 1/10W	
R828	1-216-807-11	METAL CHIP 68 5% 1/10W	
R829	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R830	1-216-807-11	METAL CHIP 68 5% 1/10W	
R831	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R832	1-216-864-11	METAL CHIP 0 5% 1/10W	
R833	1-216-864-11	METAL CHIP 0 5% 1/10W	
R836	1-216-864-11	METAL CHIP 0 5% 1/10W	
R837	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R838	1-216-809-11	METAL CHIP 100 5% 1/10W	
R839	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R840	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R841	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R842	1-216-847-11	METAL CHIP 150K 5% 1/10W	
R843	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R844	1-216-809-11	METAL CHIP 100 5% 1/10W	
R845	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R846	1-216-837-11	METAL CHIP 22K 5% 1/10W	
R847	1-216-864-11	METAL CHIP 0 5% 1/10W	
R848	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R849	1-216-864-11	METAL CHIP 0 5% 1/10W	
R850	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R851	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R852	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R853	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R854	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R855	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R856	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R857	1-216-864-11	METAL CHIP 0 5% 1/10W	
R861	1-216-864-11	METAL CHIP 0 5% 1/10W	
R862	1-216-864-11	METAL CHIP 0 5% 1/10W	
R863	1-216-864-11	METAL CHIP 0 5% 1/10W	
R865	1-216-864-11	METAL CHIP 0 5% 1/10W	

Ref. No.	Part No.	Description			Remark
R866	1-216-864-11	METAL CHIP	0	5%	1/10W
R867	1-216-841-11	METAL CHIP	47K	5%	1/10W
R869	1-216-841-11	METAL CHIP	47K	5%	1/10W
R870	1-216-864-11	METAL CHIP	0	5%	1/10W
R871	1-216-864-11	METAL CHIP	0	5%	1/10W
R872	1-216-864-11	METAL CHIP	0	5%	1/10W
R873	1-216-864-11	METAL CHIP	0	5%	1/10W
R874	1-216-864-11	METAL CHIP	0	5%	1/10W

A-4749-693-A		FL BOARD, COMPLETE			

4-248-082-01		HOLDER, FL			
< CAPACITOR >					
C811	1-126-157-11	ELECT	10uF	20%	16V
C812	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C813	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C814	1-126-157-11	ELECT	10uF	20%	16V
C815	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C816	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C817	1-126-157-11	ELECT	10uF	20%	16V
C818	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C819	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C820	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C821	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C824	1-164-816-11	CERAMIC CHIP	220PF	2%	50V
C825	1-164-816-11	CERAMIC CHIP	220PF	2%	50V
C826	1-164-816-11	CERAMIC CHIP	220PF	2%	50V
C827	1-164-816-11	CERAMIC CHIP	220PF	2%	50V
C828	1-164-816-11	CERAMIC CHIP	220PF	2%	50V
C829	1-164-816-11	CERAMIC CHIP	220PF	2%	50V
C830	1-164-816-11	CERAMIC CHIP	220PF	2%	50V
C831	1-164-816-11	CERAMIC CHIP	220PF	2%	50V
C832	1-164-816-11	CERAMIC CHIP	220PF	2%	50V
C833	1-164-816-11	CERAMIC CHIP	220PF	2%	50V
C834	1-164-816-11	CERAMIC CHIP	220PF	2%	50V
C835	1-164-816-11	CERAMIC CHIP	220PF	2%	50V
< CONNECTOR >					
CN802	1-568-830-11	CONNECTOR, FFC 11P			
< DIODE >					
D802	6-500-475-01	LED SML310BAT-T86 (DISC IND R)			
D803	6-500-475-01	LED SML310BAT-T86 (DISC IND L)			
D804	8-719-988-61	DIODE 1SS355TE-17			
D805	8-719-988-61	DIODE 1SS355TE-17			
D806	8-719-988-61	DIODE 1SS355TE-17			
D807	8-719-988-61	DIODE 1SS355TE-17			
D808	8-719-977-03	DIODE DTZ5.6B			
D814	8-719-988-61	DIODE 1SS355TE-17			
D815	8-719-988-61	DIODE 1SS355TE-17			
< FERRITE BEAD >					
FB802	1-414-813-11	FERRITE, EMI (SMD)			
FB803	1-216-295-11	SHORT CHIP 0			

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
		< FLUORESCENT INDICATOR >									
FL801	1-518-913-11	INDICATOR TUBE, FLUORESCENT				C140	1-126-926-11	ELECT	1000uF	20%	10V
		< IC >				C142	1-126-926-11	ELECT	1000uF	20%	10V
IC802	8-759-643-83	IC uPD16315GB-3BS				C144	1-126-926-11	ELECT	1000uF	20%	10V
		< JUMPER RESISTOR >				C148	1-126-926-11	ELECT	1000uF	20%	10V
JR801	1-216-864-11	METAL CHIP	0	5%	1/10W	C150	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
JR802	1-216-864-11	METAL CHIP	0	5%	1/10W	C151	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
JR804	1-216-864-11	METAL CHIP	0	5%	1/10W	C152	1-216-864-11	METAL CHIP	0	5%	1/10W
JR805	1-216-295-11	SHORT CHIP	0			C153	1-126-926-11	ELECT	1000uF	20%	10V
JR806	1-216-295-11	SHORT CHIP	0			C154	1-126-964-11	ELECT	10uF	20%	50V
		< COIL >				C156	1-164-156-11	CERAMIC CHIP	0.1uF		25V
L801	1-412-031-11	INDUCTOR	47uH			C157	1-104-662-11	ELECT	22uF	20%	25V
		< TRANSISTOR >				C158	1-126-964-11	ELECT	10uF	20%	50V
Q801	8-729-808-42	TRANSISTOR	2SD1624-T			C159	1-126-514-11	ELECT	22uF	20%	16V
Q802	8-729-808-42	TRANSISTOR	2SD1624-T			C161	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
		< RESISTOR >				C162	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R814	1-216-828-11	METAL CHIP	3.9K	5%	1/10W	C163	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
R815	1-216-839-11	METAL CHIP	33K	5%	1/10W	C167	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R816	1-216-815-11	METAL CHIP	330	5%	1/10W	C168	1-126-791-11	ELECT	10uF	20%	16V
R817	1-216-809-11	METAL CHIP	100	5%	1/10W	C169	1-126-933-11	ELECT	100uF	20%	16V
R818	1-216-809-11	METAL CHIP	100	5%	1/10W	C170	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R819	1-216-809-11	METAL CHIP	100	5%	1/10W	C171	1-126-960-11	ELECT	1uF	20%	50V
R820	1-216-845-11	METAL CHIP	100K	5%	1/10W	C172	1-126-960-11	ELECT	1uF	20%	50V
R821	1-216-845-11	METAL CHIP	100K	5%	1/10W	C173	1-126-964-11	ELECT	10uF	20%	50V
R822	1-216-844-11	METAL CHIP	82K	5%	1/10W	C174	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R823	1-216-296-11	SHORT CHIP	0			C178	1-104-662-11	ELECT	22uF	20%	25V
R824	1-216-296-11	SHORT CHIP	0			C180	1-126-964-11	ELECT	10uF	20%	50V
R868	1-216-815-11	METAL CHIP	330	5%	1/10W	C181	1-164-156-11	CERAMIC CHIP	0.1uF		25V
		< SWITCH >				C182	1-126-964-11	ELECT	10uF	20%	50V
S803	1-786-348-21	SWITCH, KEYBOARD (▲)				C183	1-126-964-11	ELECT	10uF	20%	50V
		< TRANSFORMER >				C184	1-126-964-11	ELECT	10uF	20%	50V
T801	1-439-920-11	TRANSFORMER, DC-DC CONVERTER				C185	1-104-662-11	ELECT	22uF	20%	25V
*****						C186	1-164-156-11	CERAMIC CHIP	0.1uF		25V
A-4749-685-A		I/O BOARD, COMPLETE				C187	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
*****						C189	1-164-156-11	CERAMIC CHIP	0.1uF		25V
		< CAPACITOR >				C190	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C103	1-104-662-11	ELECT	22uF	20%	25V	C191	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C104	1-126-964-11	ELECT	10uF	20%	50V	C192	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C105	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C193	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C106	1-164-730-11	CERAMIC CHIP	0.0012uF	10%	50V	C194	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C107	1-126-964-11	ELECT	10uF	20%	50V	C195	1-164-739-11	CERAMIC CHIP	560PF	5%	50V
C108	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C196	1-126-963-11	ELECT	4.7uF	20%	50V
C109	1-104-662-11	ELECT	22uF	20%	25V	C197	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C110	1-104-662-11	ELECT	22uF	20%	25V	C198	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C111	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C199	1-126-947-11	ELECT	47uF	20%	16V
C112	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C200	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C120	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C201	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
						C202	1-164-156-11	CERAMIC CHIP	0.1uF		25V
						C203	1-104-662-11	ELECT	22uF	20%	25V
						C204	1-126-964-11	ELECT	10uF	20%	50V
						C205	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
						C206	1-164-730-11	CERAMIC CHIP	0.0012uF	10%	50V
						C207	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
						C208	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
						C209	1-104-662-11	ELECT	22uF	20%	25V
						C210	1-104-662-11	ELECT	22uF	20%	25V
						C211	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
						C212	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
						C218	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V

Ref. No.	Part No.	Description			Remark
C219	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C220	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C226	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C227	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C228	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C229	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C230	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C244	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C245	1-164-380-11	CERAMIC CHIP	51PF	5%	50V
C246	1-162-924-11	CERAMIC CHIP	56PF	5%	50V
C247	1-126-964-11	ELECT	10uF	20%	50V
C248	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C249	1-126-933-11	ELECT	100uF	20%	16V
C250	1-126-964-11	ELECT	10uF	20%	50V
C251	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C252	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C258	1-104-662-11	ELECT	22uF	20%	25V
C259	1-104-662-11	ELECT	22uF	20%	25V
C260	1-126-964-11	ELECT	10uF	20%	50V
C261	1-104-662-11	ELECT	22uF	20%	25V
C271	1-216-864-11	METAL CHIP	0	5%	1/10W
C272	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C273	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C278	1-104-662-11	ELECT	22uF	20%	25V
< CONNECTOR >					
CN101	1-784-872-21	CONNECTOR, FFC (LIF(NON-ZIF)) 20P			
* CN104	1-568-948-11	PIN, CONNECTOR 10P			
CN105	1-568-854-11	CONNECTOR, FFC 11P			
CN106	1-779-552-21	CONNECTOR, FFC (LIF(NON-ZIF)) 15P			
CN107	1-784-861-21	CONNECTOR, FFC (LIF(NON-ZIF)) 9P			
* CN108	1-564-709-11	PIN, CONNECTOR (SMALL TYPE) 7P			
< DIODE >					
D103	8-719-988-61	DIODE	1SS355TE-17		
D201	8-719-056-78	DIODE	UDZ-TE-17-4.3B		
D202	8-719-801-78	DIODE	1SS184		
D203	8-719-988-61	DIODE	1SS355TE-17		
D281	8-719-988-61	DIODE	1SS355TE-17		
D282	8-719-988-61	DIODE	1SS355TE-17		
< TERMINAL BOARD >					
EP103	1-537-770-21	TERMINAL BOARD, GROUND			
< IC >					
IC102	8-759-385-76	IC	MC14052BDR2		
IC103	6-702-335-01	IC	MM1568AJBE		
IC104	6-702-334-01	IC	MM1510XNRE		
IC105	8-759-701-40	IC	NJM3404AM-T1		
IC106	8-759-284-49	IC	NJM2285V-TE2		
IC107	8-759-385-76	IC	MC14052BDR2		
IC108	8-759-557-36	IC	BU1924F-E2		
IC109	8-759-696-10	IC	NJM2235V(Te2)		
IC110	8-759-246-16	IC	TC9240F		
< JACK >					
J104	1-817-839-11	JACK, PIN 6P (VIDEO1)			

Ref. No.	Part No.	Description	Remark		
< COIL >					
L101	1-456-700-11	COIL, BALUN			
L102	1-456-700-11	COIL, BALUN			
L111	1-469-525-91	INDUCTOR	10uH		
L112	1-469-525-91	INDUCTOR	10uH		
< JUMPER RESISTOR >					
L113	1-216-296-11	SHORT CHIP	0		
L114	1-216-296-11	SHORT CHIP	0		
L115	1-216-296-11	SHORT CHIP	0		
L116	1-216-296-11	SHORT CHIP	0		
L117	1-216-296-11	SHORT CHIP	0		
L118	1-216-296-11	SHORT CHIP	0		
L119	1-216-296-11	SHORT CHIP	0		
L120	1-216-296-11	SHORT CHIP	0		
L121	1-216-296-11	SHORT CHIP	0		
L122	1-216-296-11	SHORT CHIP	0		
< TRANSISTOR >					
Q101	8-729-920-31	TRANSISTOR	DTC343TK		
Q102	8-729-920-31	TRANSISTOR	DTC343TK		
Q137	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q138	8-729-027-23	TRANSISTOR	DTA114EKA-T146		
Q139	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q140	8-729-027-23	TRANSISTOR	DTA114EKA-T146		
Q141	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q142	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q143	6-550-547-01	TRANSISTOR	2SA1037AKFT146QR		
Q145	6-550-547-01	TRANSISTOR	2SA1037AKFT146QR		
Q146	8-729-901-00	TRANSISTOR	DTC124EK		
Q147	8-729-901-00	TRANSISTOR	DTC124EK		
Q201	8-729-920-31	TRANSISTOR	DTC343TK		
Q202	8-729-920-31	TRANSISTOR	DTC343TK		
Q205	8-729-901-81	TRANSISTOR	2SC2412K-T-146-R		
Q206	6-550-547-01	TRANSISTOR	2SA1037AKFT146QR		
< RESISTOR >					
R102	1-216-817-11	METAL CHIP	470	5%	1/10W
R103	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R104	1-216-841-11	METAL CHIP	47K	5%	1/10W
R105	1-216-821-11	METAL CHIP	1K	5%	1/10W
R106	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R107	1-216-818-11	METAL CHIP	560	5%	1/10W
R108	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R110	1-216-821-11	METAL CHIP	1K	5%	1/10W
R111	1-216-821-11	METAL CHIP	1K	5%	1/10W
R112	1-216-845-11	METAL CHIP	100K	5%	1/10W
R113	1-216-845-11	METAL CHIP	100K	5%	1/10W
R114	1-216-845-11	METAL CHIP	100K	5%	1/10W
R115	1-216-845-11	METAL CHIP	100K	5%	1/10W
R116	1-216-845-11	METAL CHIP	100K	5%	1/10W
R117	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R118	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R119	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R120	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R121	1-218-285-11	METAL CHIP	75	5%	1/10W
R126	1-216-839-11	METAL CHIP	33K	5%	1/10W

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R127	1-216-839-11	METAL CHIP	33K	5%	1/10W	R227	1-216-839-11	METAL CHIP	33K	5%	1/10W
R128	1-216-821-11	METAL CHIP	1K	5%	1/10W	R229	1-216-821-11	METAL CHIP	1K	5%	1/10W
R129	1-216-821-11	METAL CHIP	1K	5%	1/10W	R230	1-216-809-11	METAL CHIP	100	5%	1/10W
R134	1-218-285-11	METAL CHIP	75	5%	1/10W	R231	1-216-821-11	METAL CHIP	1K	5%	1/10W
R136	1-218-285-11	METAL CHIP	75	5%	1/10W	R233	1-216-809-11	METAL CHIP	100	5%	1/10W
R138	1-218-285-11	METAL CHIP	75	5%	1/10W	R234	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R139	1-218-285-11	METAL CHIP	75	5%	1/10W	R237	1-216-809-11	METAL CHIP	100	5%	1/10W
R140	1-218-285-11	METAL CHIP	75	5%	1/10W	R238	1-216-809-11	METAL CHIP	100	5%	1/10W
R142	1-218-285-11	METAL CHIP	75	5%	1/10W	R239	1-216-833-11	METAL CHIP	10K	5%	1/10W
R144	1-216-833-11	METAL CHIP	10K	5%	1/10W	R245	1-216-814-11	METAL CHIP	270	5%	1/10W
R146	1-216-833-11	METAL CHIP	10K	5%	1/10W	R247	1-216-833-11	METAL CHIP	10K	5%	1/10W
R148	1-216-833-11	METAL CHIP	10K	5%	1/10W	R248	1-216-833-11	METAL CHIP	10K	5%	1/10W
R149	1-216-833-11	METAL CHIP	10K	5%	1/10W	R250	1-216-833-11	METAL CHIP	10K	5%	1/10W
R151	1-216-864-11	METAL CHIP	0	5%	1/10W	R252	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R152	1-216-864-11	METAL CHIP	0	5%	1/10W	R254	1-216-809-11	METAL CHIP	100	5%	1/10W
R153	1-216-864-11	METAL CHIP	0	5%	1/10W	R257	1-216-845-11	METAL CHIP	100K	5%	1/10W
R154	1-216-864-11	METAL CHIP	0	5%	1/10W	R258	1-216-845-11	METAL CHIP	100K	5%	1/10W
R158	1-216-864-11	METAL CHIP	0	5%	1/10W	R259	1-216-864-11	METAL CHIP	0	5%	1/10W
R162	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R261	1-216-864-11	METAL CHIP	0	5%	1/10W
R163	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R264	1-216-864-11	METAL CHIP	0	5%	1/10W
R169	1-216-864-11	METAL CHIP	0	5%	1/10W	R265	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R174	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R266	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R176	1-216-833-11	METAL CHIP	10K	5%	1/10W	R267	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R181	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R268	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R182	1-216-815-11	METAL CHIP	330	5%	1/10W	R270	1-216-864-11	METAL CHIP	0	5%	1/10W
R183	1-216-815-11	METAL CHIP	330	5%	1/10W	R272	1-216-864-11	METAL CHIP	0	5%	1/10W
R184	1-216-815-11	METAL CHIP	330	5%	1/10W	R273	1-216-864-11	METAL CHIP	0	5%	1/10W
R185	1-216-815-11	METAL CHIP	330	5%	1/10W	R274	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R186	1-216-821-11	METAL CHIP	1K	5%	1/10W	R275	1-216-864-11	METAL CHIP	0	5%	1/10W
R187	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R277	1-216-845-11	METAL CHIP	100K	5%	1/10W
R188	1-216-843-11	METAL CHIP	68K	5%	1/10W	R278	1-216-845-11	METAL CHIP	100K	5%	1/10W
R190	1-216-849-11	METAL CHIP	220K	5%	1/10W	R281	1-216-841-11	METAL CHIP	47K	5%	1/10W
R191	1-216-841-11	METAL CHIP	47K	5%	1/10W	R283	1-216-864-11	METAL CHIP	0	5%	1/10W
R192	1-216-845-11	METAL CHIP	100K	5%	1/10W	R284	1-216-864-11	METAL CHIP	0	5%	1/10W
R193	1-216-837-11	METAL CHIP	22K	5%	1/10W	R285	1-216-864-11	METAL CHIP	0	5%	1/10W
R194	1-216-809-11	METAL CHIP	100	5%	1/10W	R286	1-216-864-11	METAL CHIP	0	5%	1/10W
R195	1-216-809-11	METAL CHIP	100	5%	1/10W	R290	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R198	1-216-833-11	METAL CHIP	10K	5%	1/10W	R291	1-216-837-11	METAL CHIP	22K	5%	1/10W
R202	1-216-817-11	METAL CHIP	470	5%	1/10W	R292	1-216-845-11	METAL CHIP	100K	5%	1/10W
R203	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R293	1-216-821-11	METAL CHIP	1K	5%	1/10W
R204	1-216-841-11	METAL CHIP	47K	5%	1/10W	R294	1-216-821-11	METAL CHIP	1K	5%	1/10W
R205	1-216-821-11	METAL CHIP	1K	5%	1/10W	R295	1-216-821-11	METAL CHIP	1K	5%	1/10W
R206	1-218-867-11	METAL CHIP	6.8K	5%	1/10W	R296	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R207	1-216-818-11	METAL CHIP	560	5%	1/10W	R297	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R208	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	< VIBRATOR >					
R210	1-216-821-11	METAL CHIP	1K	5%	1/10W	X201	1-579-900-21	VIBRATOR, CRYSTAL (4.332MHz)	*****		
R211	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R212	1-216-845-11	METAL CHIP	100K	5%	1/10W						
R213	1-216-845-11	METAL CHIP	100K	5%	1/10W						
R214	1-216-845-11	METAL CHIP	100K	5%	1/10W						
R215	1-216-845-11	METAL CHIP	100K	5%	1/10W	A-4749-689-A	KEY BOARD, COMPLETE				
R216	1-216-845-11	METAL CHIP	100K	5%	1/10W	*****					
R217	1-218-867-11	METAL CHIP	6.8K	5%	1/10W	< CAPACITOR >					
R218	1-218-867-11	METAL CHIP	6.8K	5%	1/10W	C805	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
R219	1-218-867-11	METAL CHIP	6.8K	5%	1/10W	C806	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
R220	1-218-867-11	METAL CHIP	6.8K	5%	1/10W	< CONNECTOR >					
R221	1-216-842-11	METAL CHIP	56K	5%	1/10W	CN803	1-568-826-11	CONNECTOR, FFC 7P			
R226	1-216-839-11	METAL CHIP	33K	5%	1/10W						

Ref. No.	Part No.	Description	Remark		
< RESISTOR >					
R804	1-216-864-11	METAL CHIP	0	5%	1/10W
R805	1-216-821-11	METAL CHIP	1K	5%	1/10W
R806	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R807	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R808	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R809	1-216-833-11	METAL CHIP	10K	5%	1/10W
R810	1-216-837-11	METAL CHIP	22K	5%	1/10W
R811	1-216-821-11	METAL CHIP	1K	5%	1/10W
R812	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R813	1-216-821-11	METAL CHIP	1K	5%	1/10W
< ROTARY ENCODER >					
S801	1-418-632-11	ENCODER, ROTARY (VOLUME)			
< SWITCH >					
S804	1-786-348-21	SWITCH, KEYBOARD (NEXT ►►►/PRESET +)			
S805	1-786-348-21	SWITCH, KEYBOARD (PREV ◄◄◄/PRESET -)			
S806	1-786-348-21	SWITCH, KEYBOARD (SOUND FIELD -)			
S807	1-786-348-21	SWITCH, KEYBOARD (BASS)			
S808	1-786-348-21	SWITCH, KEYBOARD (DISPLAY)			
S809	1-786-348-21	SWITCH, KEYBOARD (SOUND FIELD +)			
S810	1-786-348-21	SWITCH, KEYBOARD (II)			
S811	1-786-348-21	SWITCH, KEYBOARD (III)			
S812	1-786-348-21	SWITCH, KEYBOARD (FUNCTION)			
S813	1-786-348-21	SWITCH, KEYBOARD (▷)			

A-4749-701-A		MICON BOARD, COMPLETE			

7-685-645-79		SCREW +BVTP 3X6 TYPE2 N-S			
< CAPACITOR >					
C507	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C508	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C509	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C510	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C511	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C512	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C513	1-126-963-11	ELECT	4.7uF	20%	50V
C514	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C515	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C517	1-126-947-11	ELECT	47uF	20%	16V
C519	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C520	1-126-960-11	ELECT	1uF	20%	50V
C521	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C523	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C525	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C526	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C527	1-104-905-11	DOUBLE LAYERS	0.22F		5.5V
C528	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C529	1-126-964-11	ELECT	10uF	20%	50V
C530	1-126-933-11	ELECT	100uF	20%	16V
C533	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C534	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C537	1-126-925-11	ELECT	470uF	20%	10V
C538	1-126-934-11	ELECT	220uF	20%	16V

Ref. No.	Part No.	Description	Remark		
C539	1-164-156-11	CERAMIC CHIP 0.1uF 25V			
C540	1-164-156-11	CERAMIC CHIP 0.1uF 25V			
C541	1-126-933-11	ELECT 100uF 20% 16V			
C542	1-164-156-11	CERAMIC CHIP 0.1uF 25V			
C543	1-164-156-11	CERAMIC CHIP 0.1uF 25V			
C544	1-126-933-11	ELECT 100uF 20% 16V			
C545	1-126-933-11	ELECT 100uF 20% 16V			
C546	1-126-918-51	ELECT 4700uF 20% 6.3V			
C547	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V			
C550	1-164-156-11	CERAMIC CHIP 0.1uF 25V			
C551	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V			
C554	1-164-156-11	CERAMIC CHIP 0.1uF 25V			
C555	1-164-156-11	CERAMIC CHIP 0.1uF 25V			
C557	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V			
C561	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V			
C562	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V			
< CONNECTOR >					
CN501	1-779-279-11	CONNECTOR, FFC (LIF(NON-ZIF)) 11P			
CN502	1-568-830-11	CONNECTOR, FFC 11P			
CN503	1-568-826-11	CONNECTOR, FFC 7P			
* CN505	1-784-365-31	CONNECTOR, FFC/FPC 5P			
* CN506	1-568-934-11	PIN, CONNECTOR 7P			
* CN508	1-564-512-11	PLUG, CONNECTOR 9P			
* CN509	1-564-709-11	PIN, CONNECTOR (SMALL TYPE) 7P			
CN510	1-784-213-11	CONNECTOR, FFC (LIF(NON-ZIF)) 15P			
CN511	1-779-288-11	CONNECTOR, FFC (LIF(NON-ZIF)) 20P			
CN512	1-568-826-11	CONNECTOR, FFC 7P			
< DIODE >					
D501	8-719-988-61	DIODE 1SS355TE-17			
D502	8-719-988-61	DIODE 1SS355TE-17			
D503	8-719-988-61	DIODE 1SS355TE-17			
D505	8-719-988-61	DIODE 1SS355TE-17			
D506	8-719-988-61	DIODE 1SS355TE-17			
D510	8-719-988-61	DIODE 1SS355TE-17			
D511	8-719-988-61	DIODE 1SS355TE-17			
D512	8-719-988-61	DIODE 1SS355TE-17			
D513	8-719-988-61	DIODE 1SS355TE-17			
D514	8-719-988-61	DIODE 1SS355TE-17			
D515	8-719-988-61	DIODE 1SS355TE-17			
D516	8-719-988-61	DIODE 1SS355TE-17			
D517	8-719-988-61	DIODE 1SS355TE-17			
D518	8-719-988-61	DIODE 1SS355TE-17			
D519	8-719-988-61	DIODE 1SS355TE-17			
D520	8-719-988-61	DIODE 1SS355TE-17			
D521	8-719-988-61	DIODE 1SS355TE-17			
< TERMINAL BOARD >					
EP501	1-537-770-21	TERMINAL BOARD, GROUND			
EP502	1-537-770-21	TERMINAL BOARD, GROUND			
EP503	1-537-770-21	TERMINAL BOARD, GROUND			
EP504	1-537-770-21	TERMINAL BOARD, GROUND			
< JUMPER RESISTOR >					
FB501	1-216-295-11	SHORT CHIP 0			

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark						
< FERRITE BEAD >						R538	1-216-833-11	METAL CHIP	10K	5%	1/10W				
FB502	1-414-813-11	FERRITE, EMI (SMD)				R539	1-216-841-11	METAL CHIP	47K	5%	1/10W				
						R540	1-216-833-11	METAL CHIP	10K	5%	1/10W				
						R541	1-216-833-11	METAL CHIP	10K	5%	1/10W				
						R542	1-216-841-11	METAL CHIP	47K	5%	1/10W				
< IC >						R543	1-216-841-11	METAL CHIP	47K	5%	1/10W				
IC501	6-803-370-01	IC uPD70360YGF-S03-JBT-A				R544	1-216-825-11	METAL CHIP	2.2K	5%	1/10W				
IC502	8-759-666-13	IC PST9229NL				R545	1-216-864-11	METAL CHIP	0	5%	1/10W				
IC505	8-759-231-53	IC TA7805S				R548	1-216-864-11	METAL CHIP	0	5%	1/10W				
IC506	8-759-231-53	IC TA7805S				R549	1-216-829-11	METAL CHIP	4.7K	5%	1/10W				
< JUMPER RESISTOR >						R550	1-216-829-11	METAL CHIP	4.7K	5%	1/10W				
L501	1-216-296-11	SHORT CHIP	0			R551	1-216-809-11	METAL CHIP	100	5%	1/10W				
L503	1-216-296-11	SHORT CHIP	0			R552	1-216-864-11	METAL CHIP	0	5%	1/10W				
< TRANSISTOR >						R553	1-216-829-11	METAL CHIP	4.7K	5%	1/10W				
						R554	1-216-829-11	METAL CHIP	4.7K	5%	1/10W				
						Q501	8-729-027-55	TRANSISTOR	DTC143EKA-T146	R555	1-216-833-11	METAL CHIP	10K	5%	1/10W
						Q503	8-729-140-04	TRANSISTOR	2SB1116A-L	R556	1-216-821-11	METAL CHIP	1K	5%	1/10W
						Q504	8-729-027-23	TRANSISTOR	DTA114EKA-T146	R557	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q505	8-729-120-28	TRANSISTOR	2SC1623-L5L6			R558	1-216-841-11	METAL CHIP	47K	5%	1/10W				
Q506	8-729-120-28	TRANSISTOR	2SC1623-L5L6			R559	1-216-841-11	METAL CHIP	47K	5%	1/10W				
Q507	8-729-120-28	TRANSISTOR	2SC1623-L5L6			R560	1-216-842-11	METAL CHIP	56K	5%	1/10W				
Q508	8-729-620-05	TRANSISTOR	2SC2603-EF			R561	1-216-833-11	METAL CHIP	10K	5%	1/10W				
Q514	8-729-027-23	TRANSISTOR	DTA114EKA-T146			R562	1-216-864-11	METAL CHIP	0	5%	1/10W				
Q515	8-729-027-23	TRANSISTOR	DTA114EKA-T146			R563	1-216-821-11	METAL CHIP	1K	5%	1/10W				
Q517	8-729-026-49	TRANSISTOR	2SA1037AK-T146-R			R564	1-216-864-11	METAL CHIP	0	5%	1/10W				
< RESISTOR >						R565	1-216-821-11	METAL CHIP	1K	5%	1/10W				
R501	1-216-809-11	METAL CHIP	100	5%	1/10W	R566	1-216-821-11	METAL CHIP	1K	5%	1/10W				
R502	1-216-809-11	METAL CHIP	100	5%	1/10W	R567	1-216-821-11	METAL CHIP	1K	5%	1/10W				
R503	1-216-821-11	METAL CHIP	1K	5%	1/10W	R568	1-216-809-11	METAL CHIP	100	5%	1/10W				
R504	1-216-816-11	METAL CHIP	390	5%	1/10W	R569	1-216-809-11	METAL CHIP	100	5%	1/10W				
R505	1-216-809-11	METAL CHIP	100	5%	1/10W	R570	1-216-809-11	METAL CHIP	100	5%	1/10W				
R506	1-216-809-11	METAL CHIP	100	5%	1/10W	R571	1-216-809-11	METAL CHIP	100	5%	1/10W				
R507	1-216-809-11	METAL CHIP	100	5%	1/10W	R572	1-216-809-11	METAL CHIP	100	5%	1/10W				
R508	1-216-864-11	METAL CHIP	0	5%	1/10W	R573	1-216-813-11	METAL CHIP	220	5%	1/10W				
R510	1-216-821-11	METAL CHIP	1K	5%	1/10W	R574	1-216-837-11	METAL CHIP	22K	5%	1/10W				
R511	1-216-841-11	METAL CHIP	47K	5%	1/10W	R575	1-216-809-11	METAL CHIP	100	5%	1/10W				
R512	1-216-809-11	METAL CHIP	100	5%	1/10W	R576	1-216-864-11	METAL CHIP	0	5%	1/10W				
R513	1-216-841-11	METAL CHIP	47K	5%	1/10W	R577	1-216-809-11	METAL CHIP	100	5%	1/10W				
R514	1-216-809-11	METAL CHIP	100	5%	1/10W	R578	1-216-809-11	METAL CHIP	100	5%	1/10W				
R515	1-216-841-11	METAL CHIP	47K	5%	1/10W	R579	1-216-864-11	METAL CHIP	0	5%	1/10W				
R516	1-216-809-11	METAL CHIP	100	5%	1/10W	R580	1-216-864-11	METAL CHIP	0	5%	1/10W				
R517	1-216-833-11	METAL CHIP	10K	5%	1/10W	R581	1-216-825-11	METAL CHIP	2.2K	5%	1/10W				
R518	1-216-809-11	METAL CHIP	100	5%	1/10W	R582	1-216-814-11	METAL CHIP	270	5%	1/10W				
R519	1-216-833-11	METAL CHIP	10K	5%	1/10W	R583	1-216-864-11	METAL CHIP	0	5%	1/10W				
R520	1-216-809-11	METAL CHIP	100	5%	1/10W	R584	1-216-864-11	METAL CHIP	0	5%	1/10W				
R521	1-216-833-11	METAL CHIP	10K	5%	1/10W	R585	1-216-852-11	METAL CHIP	390K	5%	1/10W				
R522	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R586	1-216-814-11	METAL CHIP	270	5%	1/10W				
R524	1-216-837-11	METAL CHIP	22K	5%	1/10W	R591	1-216-809-11	METAL CHIP	100	5%	1/10W				
R525	1-216-841-11	METAL CHIP	47K	5%	1/10W	R592	1-216-809-11	METAL CHIP	100	5%	1/10W				
R526	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R593	1-216-809-11	METAL CHIP	100	5%	1/10W				
R528	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R594	1-216-809-11	METAL CHIP	100	5%	1/10W				
R530	1-216-864-11	METAL CHIP	0	5%	1/10W	R595	1-216-809-11	METAL CHIP	100	5%	1/10W				
R531	1-216-864-11	METAL CHIP	0	5%	1/10W	R596	1-216-809-11	METAL CHIP	100	5%	1/10W				
R532	1-216-864-11	METAL CHIP	0	5%	1/10W	R597	1-216-809-11	METAL CHIP	100	5%	1/10W				
R533	1-216-813-11	METAL CHIP	220	5%	1/10W	R598	1-216-809-11	METAL CHIP	100	5%	1/10W				
R534	1-216-834-11	METAL CHIP	12K	5%	1/10W	R602	1-216-821-11	METAL CHIP	1K	5%	1/10W				
R536	1-216-833-11	METAL CHIP	10K	5%	1/10W	R603	1-216-809-11	METAL CHIP	100	5%	1/10W				
						R604	1-216-825-11	METAL CHIP	2.2K	5%	1/10W				

Ref. No.	Part No.	Description			Remark
R605	1-216-809-11	METAL CHIP	100	5%	1/10W
R606	1-216-864-11	METAL CHIP	0	5%	1/10W
R607	1-216-864-11	METAL CHIP	0	5%	1/10W
R608	1-216-864-11	METAL CHIP	0	5%	1/10W
R611	1-216-833-11	METAL CHIP	10K	5%	1/10W
R612	1-216-833-11	METAL CHIP	10K	5%	1/10W
R613	1-216-833-11	METAL CHIP	10K	5%	1/10W
R614	1-216-833-11	METAL CHIP	10K	5%	1/10W
R628	1-216-864-11	METAL CHIP	0	5%	1/10W
R629	1-216-864-11	METAL CHIP	0	5%	1/10W
R630	1-216-845-11	METAL CHIP	100K	5%	1/10W
R631	1-216-864-11	METAL CHIP	0	5%	1/10W
R632	1-216-864-11	METAL CHIP	0	5%	1/10W
R633	1-216-864-11	METAL CHIP	0	5%	1/10W
R634	1-216-864-11	METAL CHIP	0	5%	1/10W
R635	1-216-809-11	METAL CHIP	100	5%	1/10W
R636	1-216-821-11	METAL CHIP	1K	5%	1/10W
R637	1-216-864-11	METAL CHIP	0	5%	1/10W
R638	1-216-843-11	METAL CHIP	68K	5%	1/10W
R639	1-216-864-11	METAL CHIP	0	5%	1/10W
R640	1-216-809-11	METAL CHIP	100	5%	1/10W
R641	1-216-864-11	METAL CHIP	0	5%	1/10W
R642	1-216-864-11	METAL CHIP	0	5%	1/10W
R643	1-216-841-11	METAL CHIP	47K	5%	1/10W
< VIBRATOR >					
X501	1-579-233-11	VIBRATOR, CERAMIC (5MHz)			

A-4749-691-A		P-KEY BOARD, COMPLETE			

< CAPACITOR >					
C801	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C802	1-126-157-11	ELECT	10uF	20%	16V
< CONNECTOR >					
CN801	1-779-279-11	CONNECTOR, FFC (LIF(NON-ZIF)) 11P			
CN804	1-568-826-11	CONNECTOR, FFC 7P			
* CN806	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P			
< DIODE >					
D801	8-719-058-04	LED SEL5223S-TP15 (ON/STANDBY)			
< JUMPER RESISTOR >					
FB801	1-216-295-11	SHORT CHIP	0		
< RESISTOR >					
R801	1-216-805-11	METAL CHIP	47	5%	1/10W
R802	1-216-805-11	METAL CHIP	47	5%	1/10W
< SWITCH >					
S802	1-786-348-21	SWITCH, KEYBOARD (I/⏻)			

Ref. No.	Part No.	Description	Remark		
	A-4749-703-A	POWER BOARD, COMPLETE	*****		
	1-533-217-31	HOLDER, FUSE			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S			
	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S			
	< CAPACITOR >				
C801	1-126-941-11	ELECT	470uF	20%	25V
C802	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C803	1-126-933-11	ELECT	100uF	20%	16V
△ C901	1-126-963-11	ELECT	4.7uF	20%	50V
△ C902	1-117-916-51	FILM	0.22uF	10%	275V
△ C903	1-104-705-11	MYLAR	0.1uF	20%	250V
△ C904	1-104-705-11	MYLAR	0.1uF	20%	250V
△ C905	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
△ C906	1-113-935-11	CERAMIC	0.001uF		125V
△ C907	1-113-935-11	CERAMIC	0.001uF		125V
△ C908	1-113-935-11	CERAMIC	0.001uF		125V
△ C912	1-165-911-21	ELECT	390uF	20%	450V
△ C913	1-117-452-11	FILM	0.0033uF	5%	630V
△ C914	1-126-947-11	ELECT	47uF	20%	35V
C915	1-165-319-11	CERAMIC CHIP	0.1uF		50V
△ C916	1-104-332-11	CERAMIC	470PF	10%	2KV
C918	1-165-319-11	CERAMIC CHIP	0.1uF		50V
△ C920	1-117-454-11	FILM	0.0047uF	5%	630V
C921	1-115-819-11	ELECT	2200uF	20%	35V
C922	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C923	1-115-819-11	ELECT	2200uF	20%	35V
C924	1-126-953-11	ELECT	2200uF	20%	35V
C926	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C927	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C928	1-126-952-11	ELECT	1000uF	20%	35V
C929	1-104-658-11	ELECT	100uF	20%	10V
C930	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C931	1-165-723-21	ELECT	1000uF	20%	10V
C933	1-165-723-21	ELECT	1000uF	20%	10V
C934	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C935	1-128-950-21	ELECT	1000uF	20%	16V
C936	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C937	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
△ C938	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
△ C939	1-113-907-51	CERAMIC	0.0022uF		250V
C941	1-126-947-11	ELECT	47uF	20%	16V
C943	1-165-319-11	CERAMIC CHIP	0.1uF		50V
△ C950	1-128-561-11	ELECT	33uF	20%	100V
△ C951	1-128-561-11	ELECT	33uF	20%	100V
△ C952	1-128-561-11	ELECT	33uF	20%	100V
C957	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C958	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C959	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C960	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
	< CONNECTOR >				
CN901	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
CN902	1-564-509-11	PLUG, CONNECTOR 6P			
* CN903	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P			
* CN905	1-564-512-11	PLUG, CONNECTOR 9P			
* CN906	1-564-709-11	PIN, CONNECTOR (SMALL TYPE) 7P			

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	Remark	Ref. No.	Part No.	Description	Remark
		< DIODE >					
D801	8-719-820-05	DIODE 1SS181		L908	1-414-398-11	INDUCTOR 10uH	
D802	8-719-801-78	DIODE 1SS184		L909	1-456-182-11	COIL, CHOKE 100uH	
△ D901	8-719-947-60	DIODE MTZJ-T-72-15A		L911	1-414-398-11	INDUCTOR 10uH	
△ D902	6-500-392-01	DIODE RBV-606-01		L912	1-414-398-11	INDUCTOR 10uH	
D904	8-719-109-97	DIODE RD6.8ES-B2		L913	1-414-398-11	INDUCTOR 10uH	
						< LINE FILTER >	
△ D905	8-719-991-33	DIODE 1SS133T-77		△ LF901	1-456-081-11	COIL, LINE FILTER	
△ D906	8-719-200-91	DIODE 11EQS10		△ LF902	1-456-081-11	COIL, LINE FILTER	
△ D907	8-719-991-33	DIODE 1SS133T-77				< PHOTO COUPLER >	
△ D908	6-500-241-01	DIODE SARS03		△ PC801	8-749-018-73	PHOTO COUPLER PS2561L1-1-V-W	
D909	8-719-312-08	DIODE FMB-G16L		△ PC901	8-749-018-73	PHOTO COUPLER PS2561L1-1-V-W	
						< TRANSFORMER >	
D910	8-719-921-40	DIODE MTZJ-4.7C		△ PT801	1-439-917-11	TRANSFORMER, POWER	
D911	8-719-313-14	DIODE FML-22S		△ PT901	1-437-866-11	TRANSFORMER, POWER	
D912	8-719-109-93	DIODE RD6.2ES-B2				< TRANSISTOR >	
D916	8-719-312-08	DIODE FMB-G16L					
D917	6-500-522-01	DIODE 10EDB40-TA1B2		Q901	8-729-027-43	TRANSISTOR DTC114EKA-T146	
△ D919	8-719-084-21	DIODE 10E6N-TA1B2		Q903	8-729-027-43	TRANSISTOR DTC114EKA-T146	
△ D920	8-719-084-21	DIODE 10E6N-TA1B2		Q904	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
D921	8-719-210-21	DIODE 11EQS04		△ Q905	8-729-142-51	TRANSISTOR 2SD1616A-TP-LK	
D925	6-500-522-01	DIODE 10EDB40-TA1B2		Q907	8-729-027-43	TRANSISTOR DTC114EKA-T146	
△ D930	8-719-110-53	DIODE RD20ES-B2					
△ D931	8-719-110-53	DIODE RD20ES-B2		Q910	8-729-027-43	TRANSISTOR DTC114EKA-T146	
△ D932	8-719-924-13	DIODE MTZJ-T-77-22B		Q912	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
△ D933	8-719-200-91	DIODE 11EQS10		Q914	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
D990	8-719-404-50	DIODE MA111-TX		△ Q921	8-729-200-17	TRANSISTOR 2SA1091-O	
		< TERMINAL BOARD >		△ Q922	8-729-255-12	TRANSISTOR 2SC2551-O	
EB901	1-537-770-21	TERMINAL BOARD, GROUND					
EB902	1-537-770-21	TERMINAL BOARD, GROUND		Q990	8-729-030-19	TRANSISTOR 2SB1640	
EB903	1-537-770-21	TERMINAL BOARD, GROUND		Q991	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
EB904	1-537-770-21	TERMINAL BOARD, GROUND		Q992	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
		< FUSE >				< RESISTOR >	
△ F901	1-532-237-00	FUSE, GLASS TUBE (DIA.5) (T3.15AL/250V)		R801	1-216-864-11	METAL CHIP 0 5% 1/10W	
		< IC >		R802	1-216-826-11	METAL CHIP 2.7K 5% 1/10W	
IC801	8-759-686-72	IC uPC29L04J-T		△ R901	1-216-813-11	METAL CHIP 220 5% 1/10W	
△ IC901	6-703-098-01	IC STR-F6267D		△ R902	1-245-392-51	METAL OXIDE 0.15 5% 1W F	
IC902	6-700-388-01	IC SE-B2		△ R903	1-245-392-51	METAL OXIDE 0.15 5% 1W F	
IC903	8-759-474-09	IC SI-8050S-LF1101		△ R904	1-216-341-11	METAL OXIDE 0.22 5% 1W F	
IC905	6-701-760-01	IC uPC3504AHF		△ R905	1-215-902-11	METAL OXIDE 47K 5% 2W F	
				R906	1-216-833-11	METAL CHIP 10K 5% 1/10W	
IC906	6-700-813-01	IC SI-8033JF		△ R907	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
IC908	6-701-021-01	IC SI-8120JF		△ R908	1-215-902-11	METAL OXIDE 47K 5% 2W F	
IC909	8-759-510-71	IC BA10358F-E2		△ R909	1-215-902-11	METAL OXIDE 47K 5% 2W F	
		< JUMPER RESISTOR >		R910	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
JR801	1-216-864-11	METAL CHIP 0 5% 1/10W		△ R911	1-216-828-11	METAL CHIP 3.9K 5% 1/10W	
JR901	1-216-864-11	METAL CHIP 0 5% 1/10W		△ R912	1-216-823-11	METAL CHIP 1.5K 5% 1/10W	
				△ R913	1-249-385-11	CARBON 2.2 5% 1/4W	
		< COIL >					
L901	1-424-860-11	COIL, CHOKE 10uH		R914	1-216-826-11	METAL CHIP 2.7K 5% 1/10W	
L902	1-456-628-11	COIL, CHOKE 100uH		R915	1-216-812-11	METAL CHIP 180 5% 1/10W	
L903	1-456-182-11	COIL, CHOKE 100uH		R916	1-216-821-11	METAL CHIP 1K 5% 1/10W	
L904	1-414-398-11	INDUCTOR 10uH		R917	1-216-826-11	METAL CHIP 2.7K 5% 1/10W	
L905	1-414-398-11	INDUCTOR 10uH		R918	1-216-826-11	METAL CHIP 2.7K 5% 1/10W	
L906	1-414-398-11	INDUCTOR 10uH		R919	1-216-833-11	METAL CHIP 10K 5% 1/10W	
L907	1-414-398-11	INDUCTOR 10uH		R920	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
				R921	1-216-842-11	METAL CHIP 56K 5% 1/10W	
				R922	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	

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Ref. No.	Part No.	Description			Remark
R924	1-216-818-11	METAL CHIP	560	5%	1/10W
R925	1-216-813-11	METAL CHIP	220	5%	1/10W
R926	1-216-845-11	METAL CHIP	100K	5%	1/10W
R927	1-216-821-11	METAL CHIP	1K	5%	1/10W
R928	1-216-837-11	METAL CHIP	22K	5%	1/10W
R929	1-216-802-11	METAL CHIP	27	5%	1/10W
△ R930	1-219-237-11	SOLID	3.3M	20%	1/2W F
R931	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R932	1-216-837-11	METAL CHIP	22K	5%	1/10W
△ R934	1-215-904-11	METAL OXIDE	100K	5%	2W F
△ R936	1-216-847-11	METAL CHIP	150K	5%	1/10W
R938	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R939	1-216-073-00	RES-CHIP	10K	5%	1/10W
R940	1-216-077-11	RES-CHIP	15K	5%	1/10W
R941	1-216-833-11	METAL CHIP	10K	5%	1/10W
R942	1-216-073-00	RES-CHIP	10K	5%	1/10W
R943	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
△ R945	1-216-833-11	METAL CHIP	10K	5%	1/10W
△ R947	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
△ R948	1-216-852-11	METAL CHIP	390K	5%	1/10W
△ R950	1-218-917-11	METAL CHIP	820K	5%	1/10W
△ R951	1-218-917-11	METAL CHIP	820K	5%	1/10W
△ R952	1-218-917-11	METAL CHIP	820K	5%	1/10W
△ R955	1-215-902-11	METAL OXIDE	47K	5%	2W F
R956	1-216-816-11	METAL CHIP	390	5%	1/10W
< THERMISTOR >					
△ TH901	1-803-916-11	THERMISTOR, NTC			

A-4728-690-A		RF BOARD, COMPLETE			

< CAPACITOR >					
C001	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C002	1-124-779-00	ELECT CHIP	10uF	20%	16V
C003	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C004	1-124-779-00	ELECT CHIP	10uF	20%	16V
C005	1-128-993-21	ELECT CHIP	22uF	20%	10V
C006	1-128-993-21	ELECT CHIP	22uF	20%	10V
C008	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C009	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C010	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C011	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C012	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C013	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C014	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C015	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C016	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C017	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C018	1-164-172-11	CERAMIC CHIP	0.0056uF	10%	25V
C019	1-164-172-11	CERAMIC CHIP	0.0056uF	10%	25V
C020	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C021	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C022	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C023	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C024	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C025	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C026	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

Ref. No.	Part No.	Description	Remark		
C027	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C028	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C029	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C030	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C031	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C032	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C033	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C034	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C035	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C036	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C037	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C038	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C039	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C040	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C041	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C042	1-164-218-11	CERAMIC CHIP	180PF	5%	50V
C049	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
< CONNECTOR >					
CN001	1-815-031-11	CONNECTOR, FFC/FPC (ZIF) 24P			
CN002	1-784-836-21	CONNECTOR, FFC (LIF(NON-ZIF)) 29P			
CN003	1-784-861-21	CONNECTOR, FFC (LIF(NON-ZIF)) 9P			
< DIODE >					
D001	8-719-988-61	DIODE 1SS355TE-17			
D002	8-719-988-61	DIODE 1SS355TE-17			
< IC >					
IC001	6-703-551-01	IC SP3723BDA0PM			
< COIL >					
L001	1-412-031-11	INDUCTOR		47uH	
L002	1-412-031-11	INDUCTOR		47uH	
< TRANSISTOR >					
Q001	8-729-903-46	TRANSISTOR		2SB1132-P	
Q002	8-729-903-46	TRANSISTOR		2SB1132-P	
< RESISTOR >					
R001	1-218-668-11	METAL CHIP	100	0.5%	1/10W
R003	1-216-803-11	METAL CHIP	33	5%	1/10W
R004	1-216-803-11	METAL CHIP	33	5%	1/10W
R005	1-216-841-11	METAL CHIP	47K	5%	1/10W
R006	1-216-817-11	METAL CHIP	470	5%	1/10W
R007	1-216-803-11	METAL CHIP	33	5%	1/10W
R008	1-216-803-11	METAL CHIP	33	5%	1/10W
R009	1-216-841-11	METAL CHIP	47K	5%	1/10W
R010	1-216-817-11	METAL CHIP	470	5%	1/10W
R011	1-216-864-11	METAL CHIP	0	5%	1/10W
R012	1-216-864-11	METAL CHIP	0	5%	1/10W
R013	1-216-864-11	METAL CHIP	0	5%	1/10W
R014	1-216-864-11	METAL CHIP	0	5%	1/10W
R015	1-216-864-11	METAL CHIP	0	5%	1/10W
R016	1-216-864-11	METAL CHIP	0	5%	1/10W
R017	1-216-864-11	METAL CHIP	0	5%	1/10W
R018	1-216-864-11	METAL CHIP	0	5%	1/10W
R019	1-216-864-11	METAL CHIP	0	5%	1/10W

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

RF

RM

SCART

Ref. No.	Part No.	Description	Remark		
R020	1-216-864-11	METAL CHIP	0	5%	1/10W
R021	1-216-864-11	METAL CHIP	0	5%	1/10W
R022	1-216-813-11	METAL CHIP	220	5%	1/10W
R023	1-216-820-11	METAL CHIP	820	5%	1/10W
R024	1-216-864-11	METAL CHIP	0	5%	1/10W
R025	1-216-809-11	METAL CHIP	100	5%	1/10W
R026	1-218-718-11	METAL CHIP	12K	0.5%	1/10W
R027	1-216-864-11	METAL CHIP	0	5%	1/10W
R028	1-216-864-11	METAL CHIP	0	5%	1/10W
R029	1-216-864-11	METAL CHIP	0	5%	1/10W
R032	1-216-809-11	METAL CHIP	100	5%	1/10W
R033	1-216-864-11	METAL CHIP	0	5%	1/10W
R034	1-219-570-11	METAL CHIP	10M	5%	1/10W
R035	1-216-864-11	METAL CHIP	0	5%	1/10W
R041	1-216-821-11	METAL CHIP	1K	5%	1/10W

	1-689-130-11	RM BOARD	*****		
	< IC >				
IC801	8-759-826-34	IC NJL74H400A (IR)	*****		

	1-689-123-11	SCART BOARD	*****		
	< CAPACITOR >				
C130	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C131	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C132	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
	< CONNECTOR >				
* CN110	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P			
J101	1-815-911-11	CONNECTOR, SQUARE TYPE 21P (EURO AV (OUTPUT(TO TV)))			
	< RESISTOR >				
R161	1-216-864-11	METAL CHIP	0	5%	1/10W
R164	1-216-864-11	METAL CHIP	0	5%	1/10W
R165	1-216-864-11	METAL CHIP	0	5%	1/10W
R167	1-216-864-11	METAL CHIP	0	5%	1/10W
R168	1-216-864-11	METAL CHIP	0	5%	1/10W
R170	1-216-864-11	METAL CHIP	0	5%	1/10W
R175	1-216-864-11	METAL CHIP	0	5%	1/10W
R177	1-216-864-11	METAL CHIP	0	5%	1/10W
R179	1-216-864-11	METAL CHIP	0	5%	1/10W
R180	1-216-864-11	METAL CHIP	0	5%	1/10W
R189	1-216-864-11	METAL CHIP	0	5%	1/10W
R196	1-216-864-11	METAL CHIP	0	5%	1/10W
R197	1-216-864-11	METAL CHIP	0	5%	1/10W
R199	1-216-864-11	METAL CHIP	0	5%	1/10W

Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS	

70	1-765-325-11	WIRE (FLAT TYPE) (11 CORE)	
71	1-769-878-11	WIRE (FLAT TYPE) (7 CORE)	
△ 104	1-769-744-52	CORD, POWER	
105	1-769-937-11	WIRE (FLAT TYPE) (11 CORE)	
153	1-775-263-11	WIRE (FLAT TYPE) (29 CORE)	
154	1-775-119-11	WIRE (FLAT TYPE) (13 CORE)	
204	1-775-094-11	WIRE (FLAT TYPE) (9 CORE)	
205	1-775-140-11	WIRE (FLAT TYPE) (15 CORE)	
402	1-685-250-11	FLEXIBLE BOARD	
△ 405	A-4713-410-A	OPTICAL PICK-UP BLOCK (DBU-1)	
FAN901	1-763-861-12	FAN, DC	
FC901	1-543-982-12	CORE, FERRITE	
FC902	1-500-657-11	CORE, FERRITE	
FC903	1-500-635-11	CORE, FERRITE	
FC904	1-500-826-11	CORE, FERRITE	
M701	X-4955-496-1	MOTOR (PULLEY) ASSY (LOADING)	
TM101	1-693-644-11	TUNER UNIT (ANTENNA)	

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