

CDP-C525/C625

SERVICE MANUAL

US Model
 Canadian Model
 CDP-C525/C625
 AEP Model
 Australian Model
 E Model
 CDP-C525



Photo : CDP-C625



| | |
|------------------------------------|----------|
| Model Name Using Similar Mechanism | CDP-C425 |
| Optical Pick-up Block Type | BU-5BD8B |

SPECIFICATIONS

System Compact disc digital audio system
Laser Semiconductor laser ($\lambda=780$ nm)
Laser output Emission duration: continuous
 Max. 44.6 μ W*
 * This output is the value measured at a distance of about 200 mm from the objective lens surface on the Optical Pick-up Block.

Frequency response 2 Hz - 20 kHz (± 0.5 dB)
Signal to noise ratio CDP-C525
 More than 105 dB
 CDP-C625
 More than 110 dB

Dynamic range More than 98 dB
Harmonic distortion CDP-C525
 Less than 0.005% (1 kHz)
 CDP-C625
 Less than 0.0027% (1 kHz)

Channel separation CDP-C525
 More than 100 dB (1 kHz)
 CDP-C625
 More than 102 dB (1 kHz)

Wow and flutter Below measurable limit

Outputs
LINE OUT (FIXED) (phono jacks) Output level 2 V (at 50 kilohms, non DSP mode)
 Load impedance over 10 kilohms

LINE OUT (VARIABLE) (phono jacks) Output level max. 2 V (at 50 kilohms, non DSP mode)
 Load impedance over 10 kilohms

DIGITAL OUT (OPTICAL) (optical output connector) (CDP-C625 only) Wave length 660 nm
 Output level -18 dBm

PHONES (stereo phone jack) Output level max. 15 mW
 Load impedance 32 ohms

General

Power requirements Model for USA and Canada
 120 V AC, 60 Hz
 Model for Australia
 240 V AC, 50/60 Hz

Power consumption 13 W

Dimensions Approx. 430 \times 125 \times 385 mm (w/h/d) (17 \times 5 \times 15 $\frac{1}{4}$ inches) not including projecting parts and controls

Weight Approx. 6 kg (13 lbs 4 oz), net

Remote commander **RM-D615**
Remote control system Infrared control
Power requirements 3 V DC with two batteries size AA (IEC designation R6)

- Continued on next page -

COMPACT DISC PLAYER
SONY[®]

Supplied accessories

- Connecting cord (1)
- (2 phono plugs ↔ 2 phono plugs)
- Remote commander (1)
- Sony SUM-3(NS) batteries (2)
- Operating Manual (1)

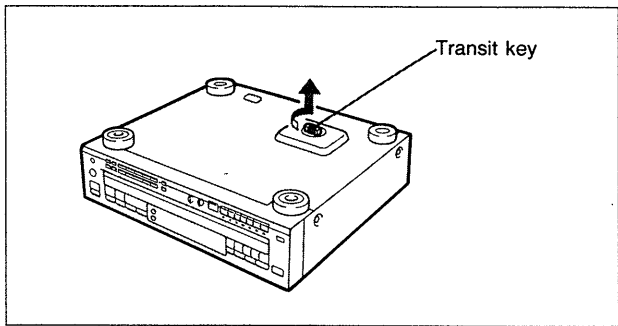
Optional accessory (CDP-C625 only)

- Audio optical connecting cord POC-15

Design and specifications subject to change without notice.

Note on the Transit Key

The transit key on the bottom exterior of the unit protects the optical system against shock during transportation. Before operating the CD player, be sure to remove the key by following the instructions on the label, and store it in a safe place. When transporting the unit, replace the key in its original hole and lock it in place.

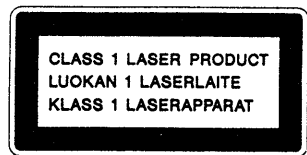


For the customers in Canada

CAUTION:
 TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS POLARIZED AC PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

THIS APPARATUS COMPLIES WITH THE CLASS B LIMITS FOR RADIO NOISE EMISSIONS SET OUT IN RADIO INTERFERENCE REGULATIONS.

For the customers in Australia



This Compact Disc player is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT label is located on the rear exterior.

SAFETY-RELATED COMPONENT WARNING!!

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

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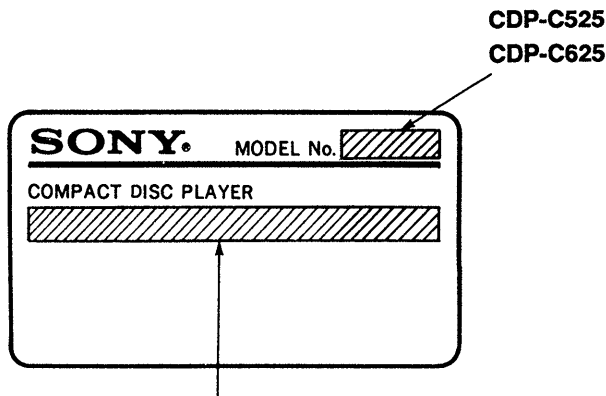
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ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

MODEL IDENTIFICATION

—Model Number Label—



US, Canadian model : AC : 120V 60Hz

Australian model : AC : 240V~50/60Hz

AEP model : AC : 220-230V~50/60Hz

E model : AC : 110-120V, 220-240V~50/60Hz

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

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

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

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

NOTES ON LASER DIODE EMISSION CHECK

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

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

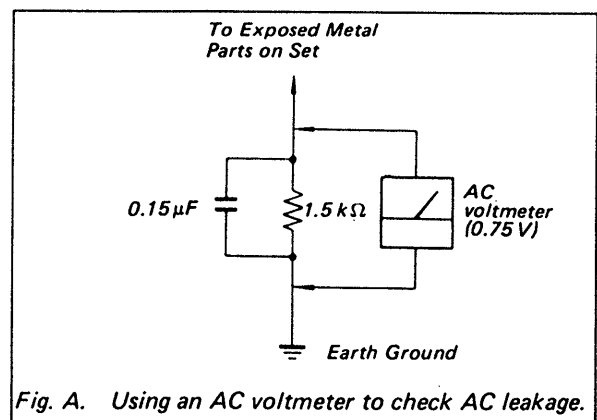


Fig. A. Using an AC voltmeter to check AC leakage.

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs a laser. Therefore, be sure to follow carefully the instructions below when servicing.

CAUTION

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

1. Laser Diode Properties

- Material: GaAlAs
- Wavelength: 780 nm
- Emission Duration: continuous
- Laser Output: max. 44.6 μ W*

* This output is the value measured at a distance of about 200 mm from the objective lens surface on the Optical Pick-up Block.

2. During service, do not take the Optical Pick-up Block apart, and do not adjust the APC circuit. If there is a breakdown in the APC circuit (including laser diode), replace the entire Optical Pick-up Block (including APC board).

BESKYTTELSE AF ØJNE MOD LASERSTRÅLING UNDER SERVICE

I dette apparat anvendes laserlys. Derfor skal nedenstående instruktioner nøje følges under service.

Følg iøvrigt instruktionerne i servicemanualen.

ADVARSEL!!

Under service må øjnene ikke komme nær objektiv-linsen på den optiske pick-up enhed. I tilfælde af at det er nødvendigt at kontrollere udsendelsen af laserlys, skal det ske i en afstand af mere end 25 cm fra den optiske pick-up.

1. Laser-dioe data

- Materiale: GaAlAs
- Bølgelængde: 780 nm
- Udstråling: Kontinuerlig
- Laseroutput: Max. 0,4 mW*

* Målt i 1,6 mm afstand fra overfladen af objektiv-linsen på den optiske pick-up enhed.

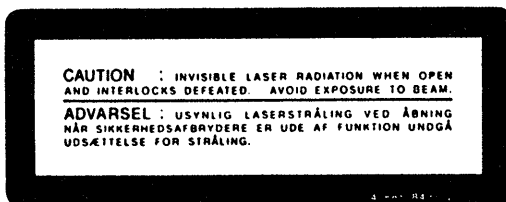
- Klassifikation: Klasse IIIb.

2. Adskil aldrig den optiske pick-up enhed under service, og juster ikke APC kredsløbet (Automatic Power Control). Hvis APC kredsløbet (incl. laserdioden) bryder ned, skal hele den optiske pick-up enhed (incl. APC printkortet) udskiftes.

LASER ADVARSEL MÆRKNING

Følgende mærkning findes indvendig i apparatet:

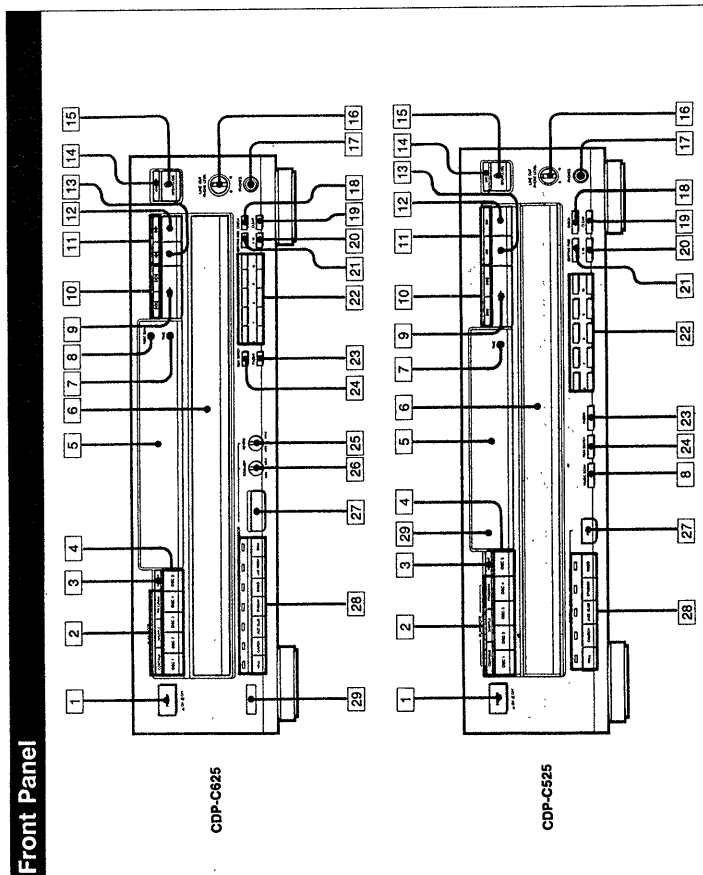
1. Advarsel Mærkning



VAROITUS: Laite sisältää, laserdiodin, joka lähettää (näkyvätöntä) silmille vaarallista lasersäteilyä.

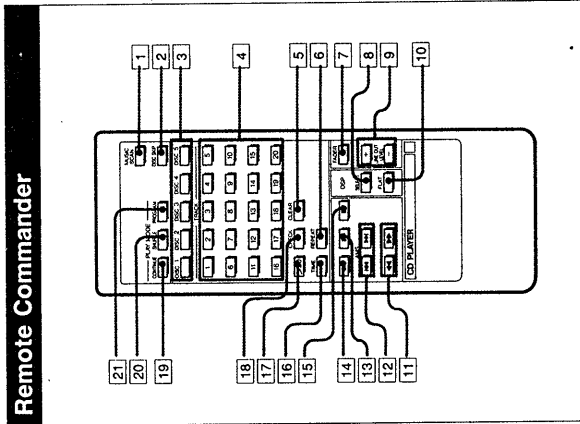
SECTION 1
GENERAL

1-1. LOCATION OF CONTROLS



- 1 POWER switch
- 2 PLAY MODE buttons
- 3 CONTINUE button
- 4 SHUFFLE button
- 5 PROGRAM button
- 6 REPEAT button
- 7 DISC 1-5 buttons
- 8 Display window
- 9 Disc tray
- 10 MUSIC SCAN button
- 11 (play) button
- 12 (AMS*) buttons
- 13 (manual search) buttons
- 14 (pause) button
- 15 DISC SKIP button
- 16 OPEN/CLOSE button
- 17 LIEN OUT/PHONE LEVEL control
- 18 PHONES jack
- 19 CHECK (program check) button
- 20 CLEAR (program clear) button
- 21 > 10 (over 10) button
- 22 EDIT/TIME FADE button
- 23 Numeric buttons (1-10)
- 24 FADER button
- 25 PEAK SEARCH button
- 26 DIGITAL SIGNAL PROCESSOR REVERB control (CDP-625 only)
- 27 DIGITAL SIGNAL PROCESSOR EQUALIZER control (CDP-C625 only)
- 28 DIGITAL SIGNAL PROCESSOR FLAT button and indicators
- 29 Remote sensor

* AMS is the abbreviation of Automatic Music Sensor.



- 1 MUSIC SCAN button
- 2 DISC SKIP button
- 3 DISC 1-5 buttons
- 4 Numeric buttons
- 5 CLEAR (program clear) button
- 6 REPEAT button
- 7 FADER button
- 8 DIGITAL SIGNAL PROCESSOR SELECT button
- 9 LINE OUT LEVEL buttons
- 10 DIGITAL SIGNAL PROCESSOR FLAT button
- 11 (manual search) buttons
- 12 (AMS) buttons
- 13 (pause) button
- 14 (play) button
- 15 (stop) button
- 16 TIME button
- 17 > 20 (over 20) button
- 18 CHECK (program check) button
- 19 CONTINUE button
- 20 SHUFFLE button
- 21 PROGRAM button

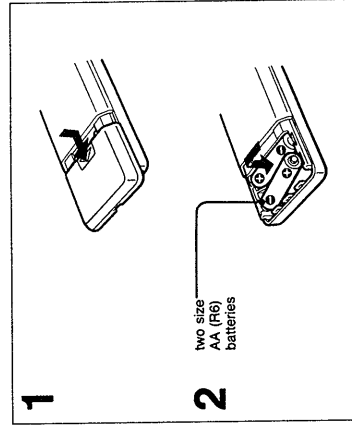
Installing Batteries in the Remote Commander

On battery life

- About half a year of normal operation can be expected when using the Sony SUM-3(NS) batteries.
- When the batteries are run down, the remote commander will not operate the unit. In this case, replace both batteries with new ones.

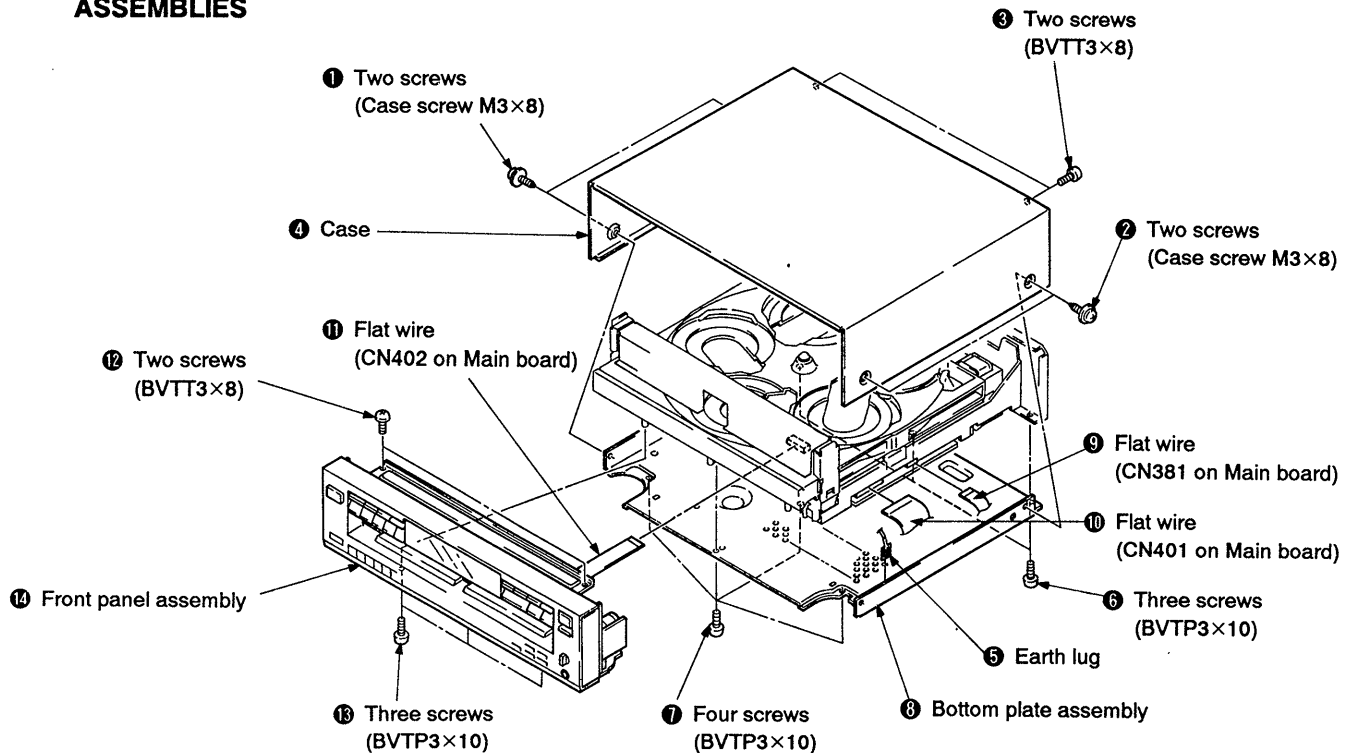
Notes on the remote commander and remote control operation

- Keep the commander away from extremely hot or humid places.
- Avoid dropping any foreign objects into the commander casing, particularly when replacing the batteries.
- Avoid exposing the remote sensor to direct sunlight or lighting apparatus. Such exposure can cause a malfunction.
- To avoid damage caused by battery leakage and corrosion, remove the batteries when the commander will not be used for a long time.

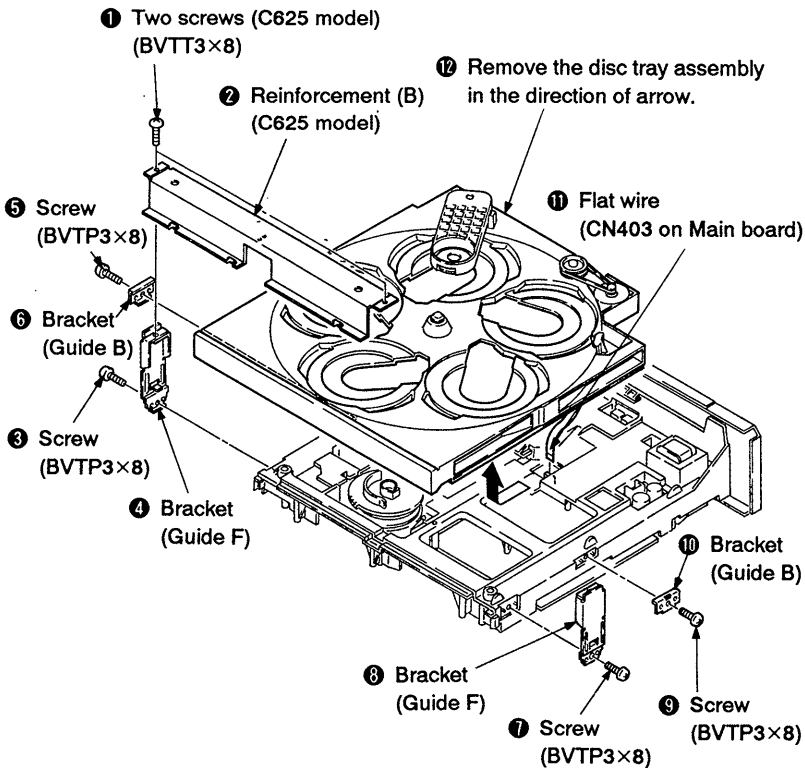


SECTION 2 DISASSEMBLY

2-1. REMOVAL OF CASE AND FRONT PANEL ASSEMBLIES

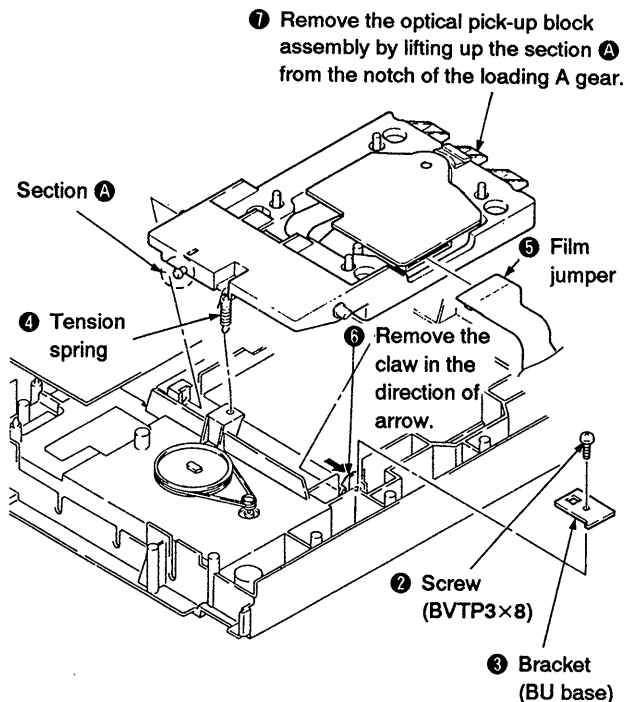


2-2. REMOVAL OF DISC TRAY ASSEMBLY



2-3. REMOVAL OF OPTICAL PICK-UP BLOCK ASSEMBLY

1) Replace the set up side down.



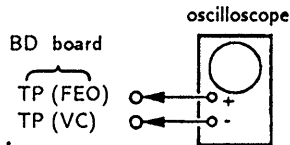
SECTION 3

ELECTRICAL BLOCK CHECKING

Note :

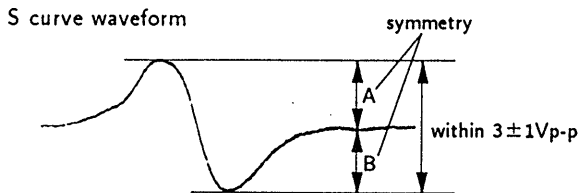
1. CD Block basically constructed to operate without adjustment. Therefore, check each item in order given.
2. Use YEDS-18 disc (3-702-101-01) unless otherwise indicated.
3. Use the oscilloscope with more than $10M\Omega$ impedance.
4. Clean an object lens by an applicator with neutral detergent when the signal level is low than specified value with the following checks.

S Curve Check



Procedure :

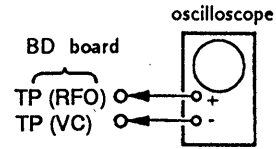
1. Connect oscilloscope to test point TP (FEO) on BD board.
2. Connect between test point TP (FES) and TP (VC) by lead wire.
3. Turned Power switch on and actuate the focus serch. (actuate the focus serch when disc table is moving in and out.)
4. Check the oscilloscope waveform (S curve) is symmetrical between A and B. And confirm peak to peak level within $3 \pm 1V_{p-p}$.



5. After check, remove the lead wire connected in step 2.

- Note :**
- Try to measure several times to make sure that the ratio of A : B or B : A is more than 10 : 7.
 - Take sweep time as long as possible and light up the brightness to obtain best waveform.

RF Level Check

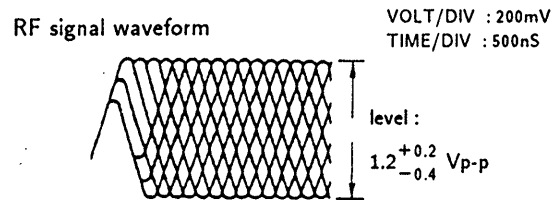


Procedure :

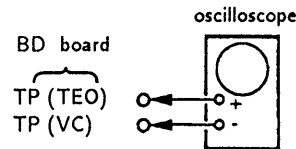
1. Connect oscilloscope to test point TP (RFO) on BD board.
2. Turn Power switch on.
3. Put disc (YEDS-18) in and playback.
4. Confirm that oscilloscope waveform is clear and check RF signal level is correct or not.

Note :

Clear RF signal waveform means that the shape "◇" can be clearly distinguished at the center of the waveform.

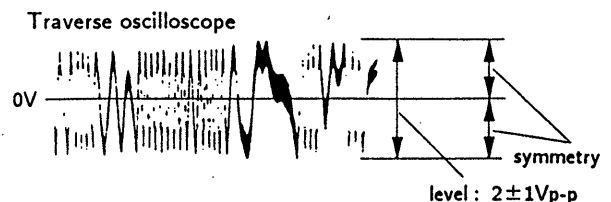


E-F Balance Check



Procedure :

1. Connect test point TP (ADJ) to ground and TP (TES) to TP (VC) with lead wire.
2. Connect oscilloscope to test point TP (TEO) on BD board.
3. Turn Power switch on.
4. Put disc (YEDS-18) in and playback.
5. Confirm that the oscilloscope waveform is symmetrical on the top and bottom in relation to 0V, and check this level.

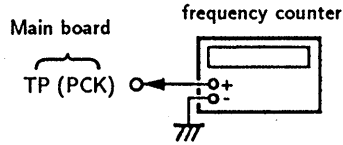


6. Remove the lead wire connected in step 1.

RF PLL Free-run Frequency Check

Procedure :

1. Connect frequency counter to test point (PCK) with lead wire.



2. Turn Power switch on.
3. Confirm that reading on frequency counter is
4. 3218MHz.

Focus/Tracking Gain

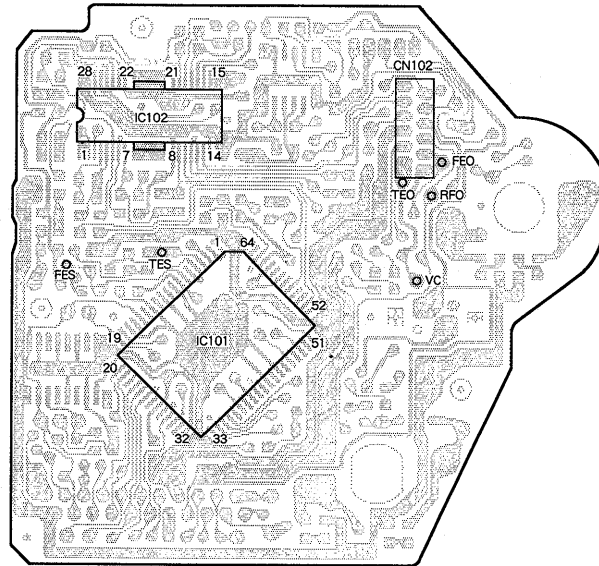
This gain has a margin, so even if it is slightly off. There is no problem.

Therefore, do not perform, this adjustment.

Please note that it should be fixed to mechanical center position when you moved and do not know original position.

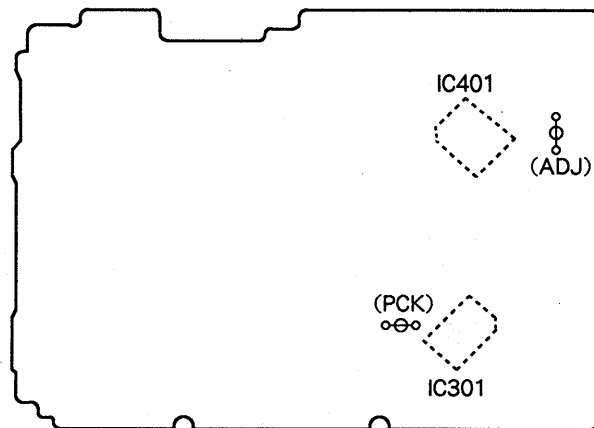
Adjustment Locations : [BD board]

— conductor side —



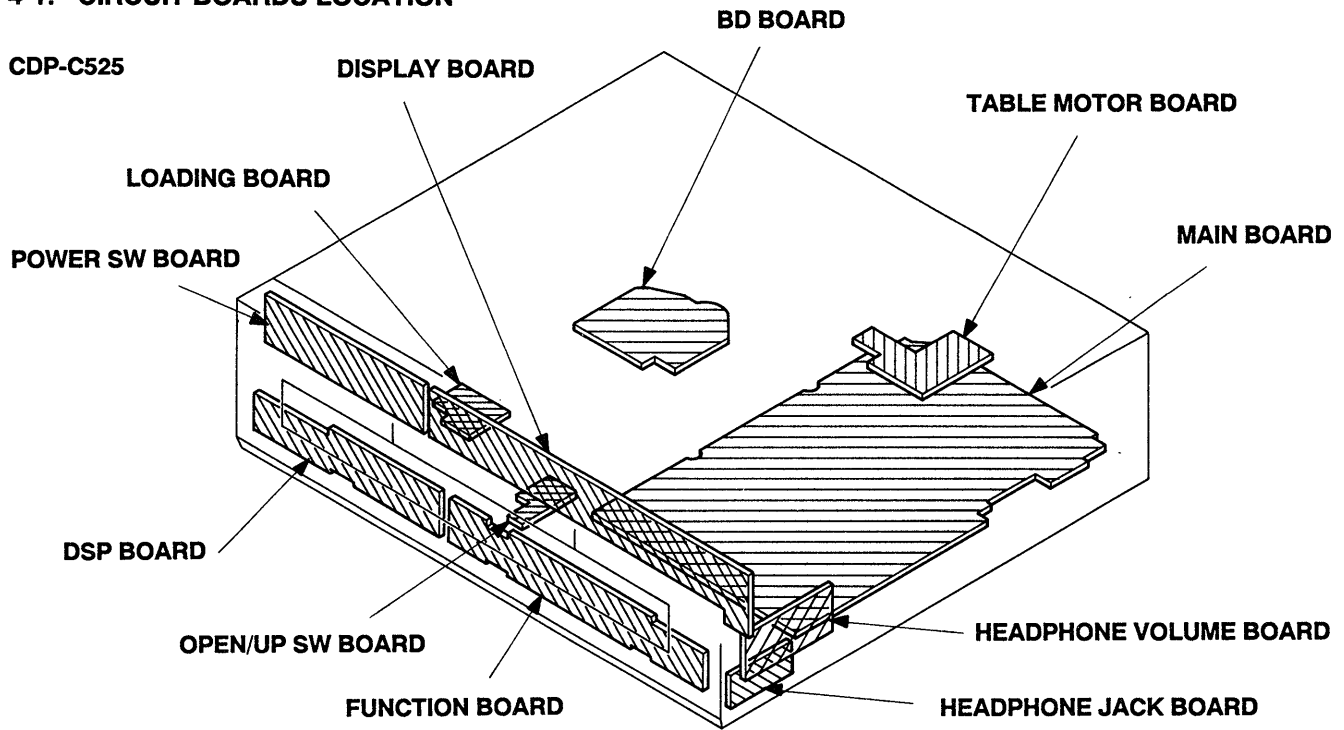
[Main board]

— component side —

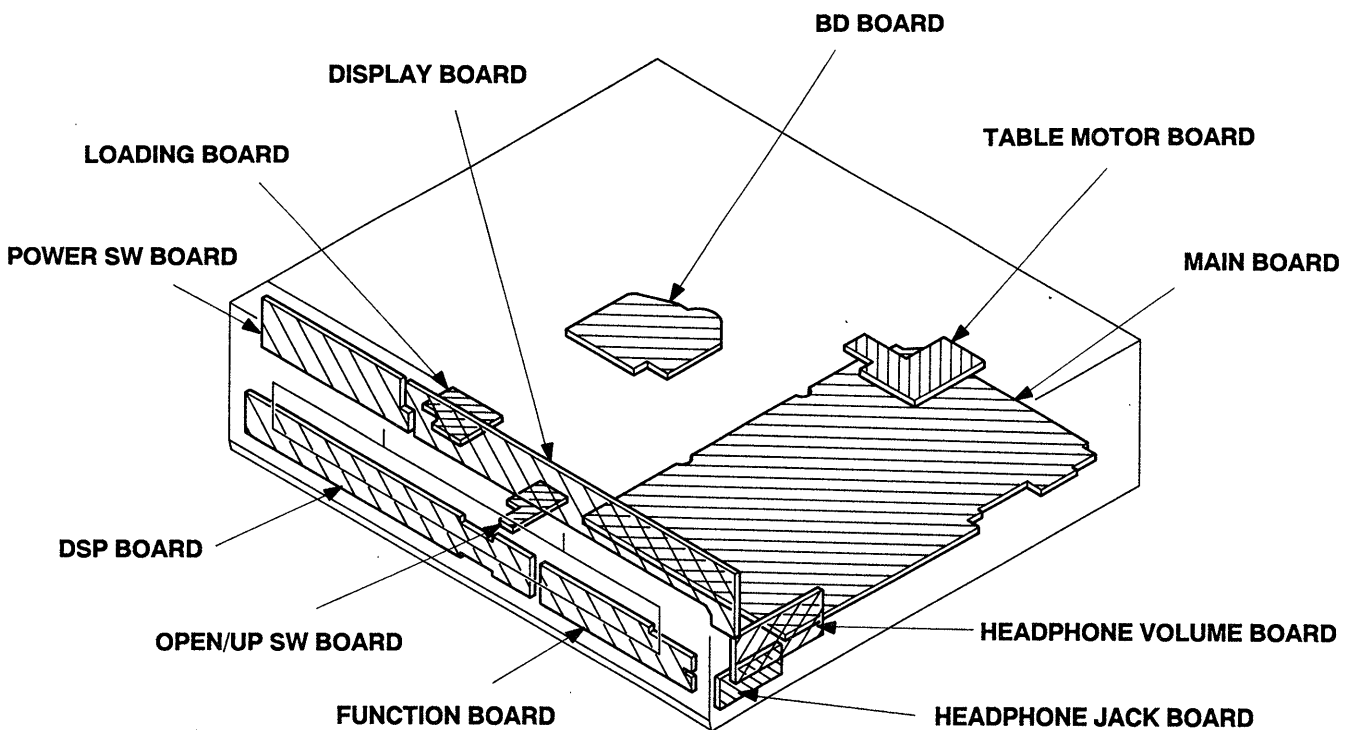


SECTION 4 DIAGRAMS

4-1. CIRCUIT BOARDS LOCATION



CDP-C625

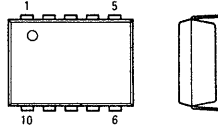


4-2. SEMICONDUCTOR LEAD LAYOUTS

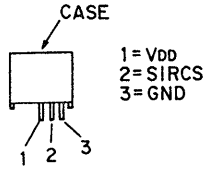
CXA1291P



LA5601



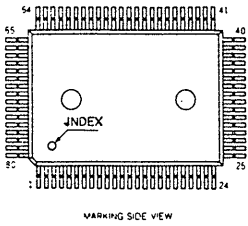
SBX1610-59



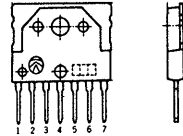
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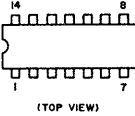
CXD2500AQ



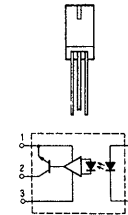
LA5602



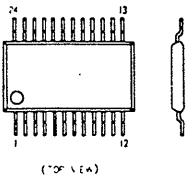
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GP-1A521



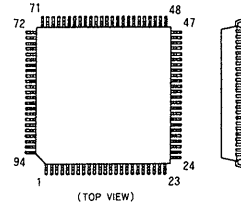
CXD2560M



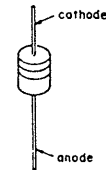
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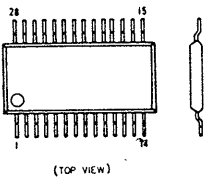
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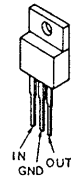
**11ES2
RD8.2ES-B2**



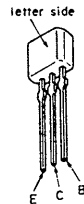
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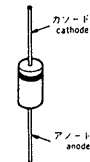
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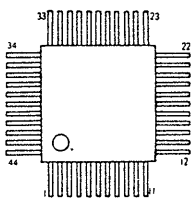
**2SA1175-HFE
2SC3623-LK
DTA124ES
DTC144ES**



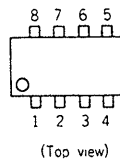
1N4148M



CXD2701Q



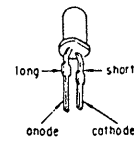
**MC33078
RC4556D
RC4558P
TL082ACP**



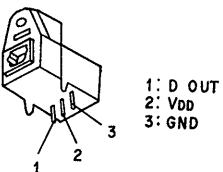
**2SC1815-Y
DTA144ES**



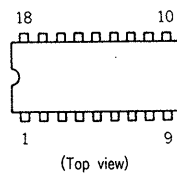
SEL2810A-C



GP1F32T



MS51464-10NC

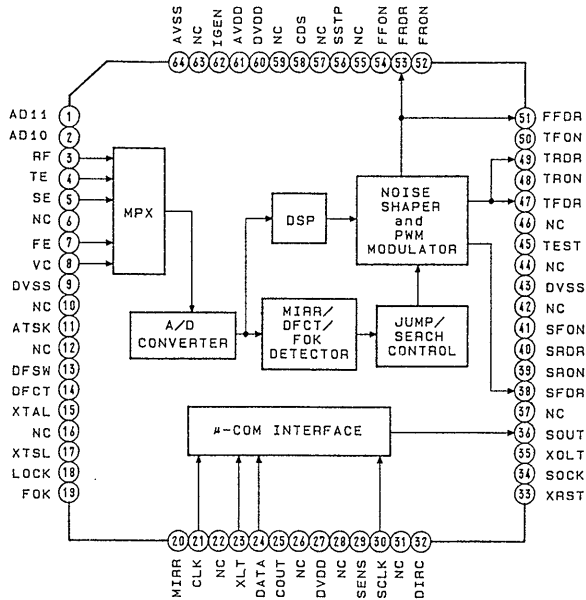


2SC2878-AB

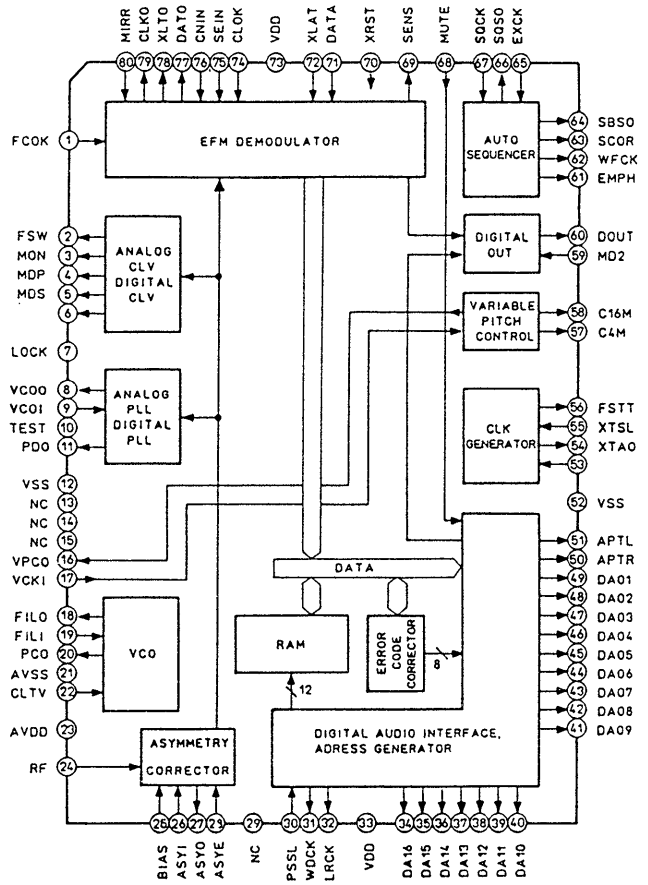


4-3. IC BLOCK DIAGRAMS

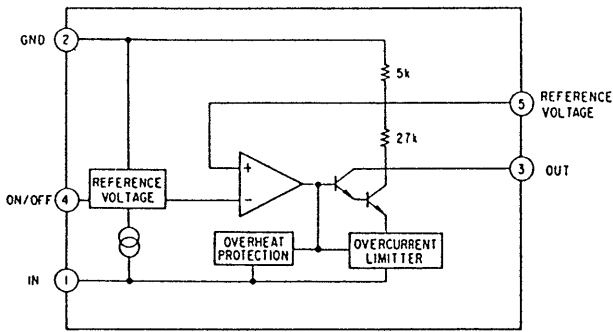
IC101 CXD2501Q



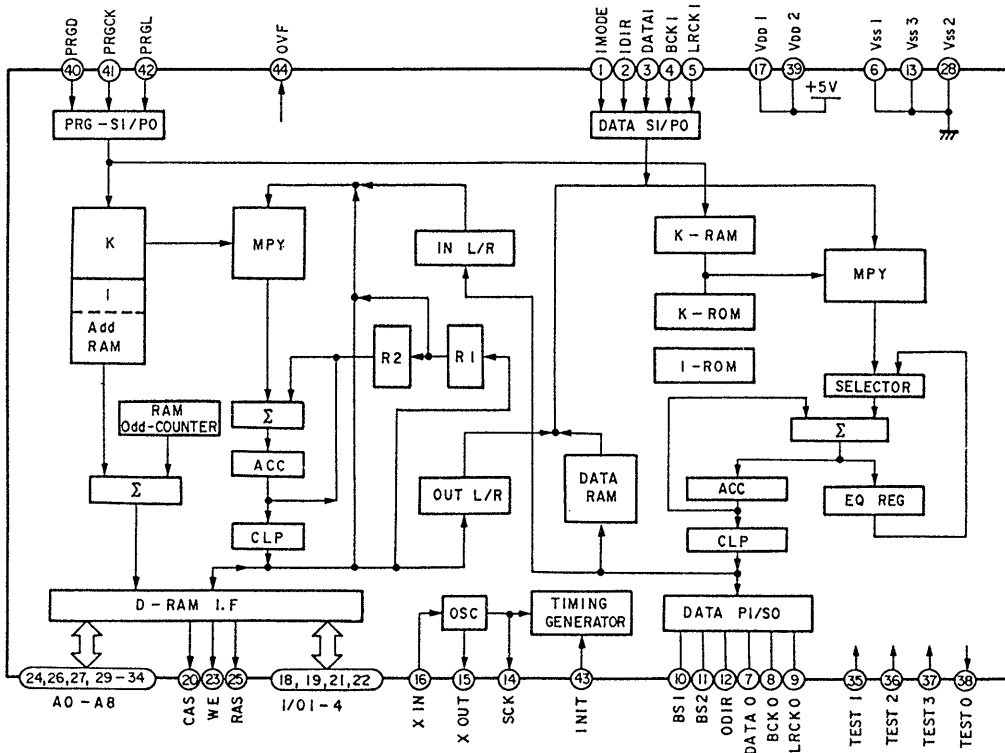
IC301 CXD2500Q



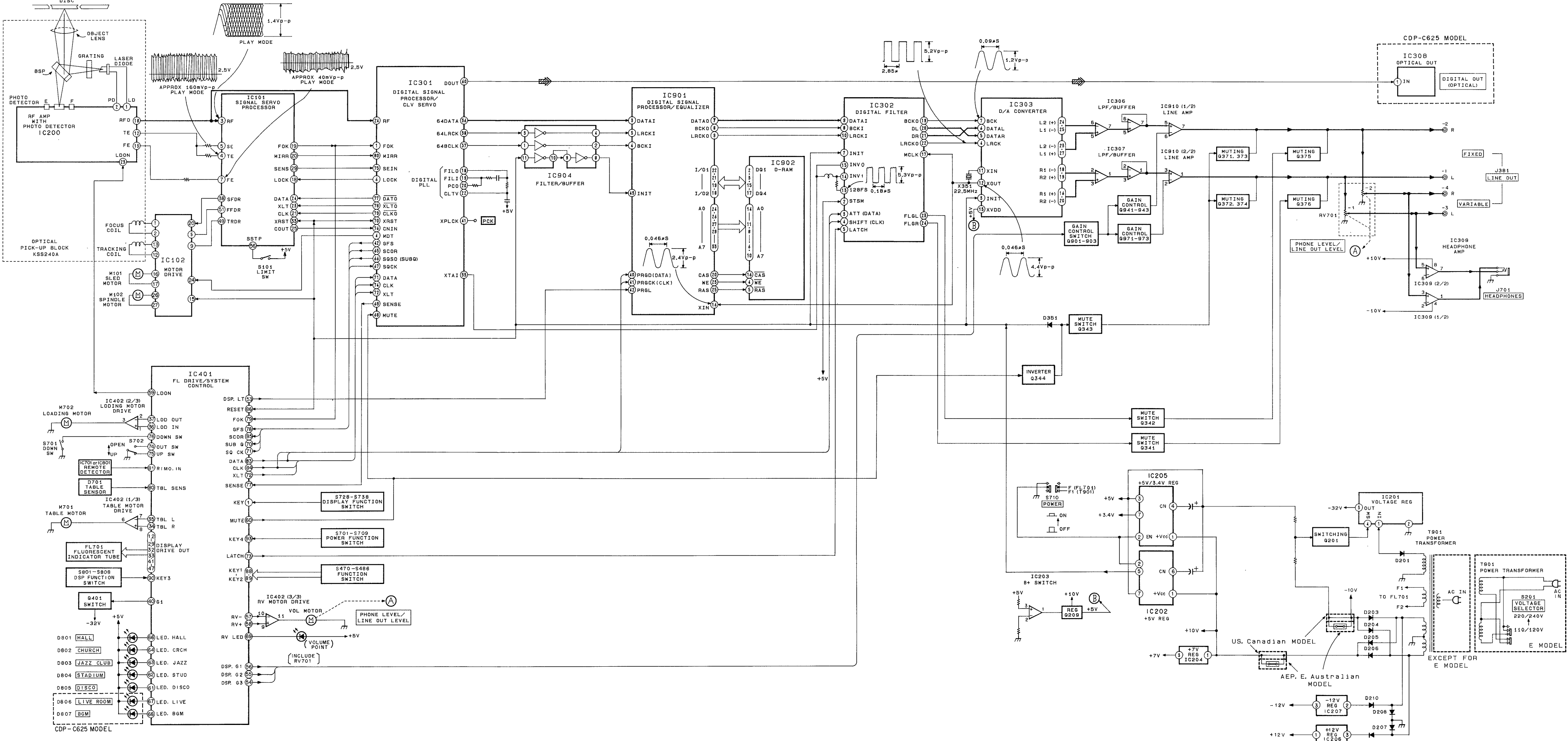
IC201 M5293L



IC901 CXD2701Q



4-4. BLOCK DIAGRAMS



4-5. PRINTED WIRING BOARDS

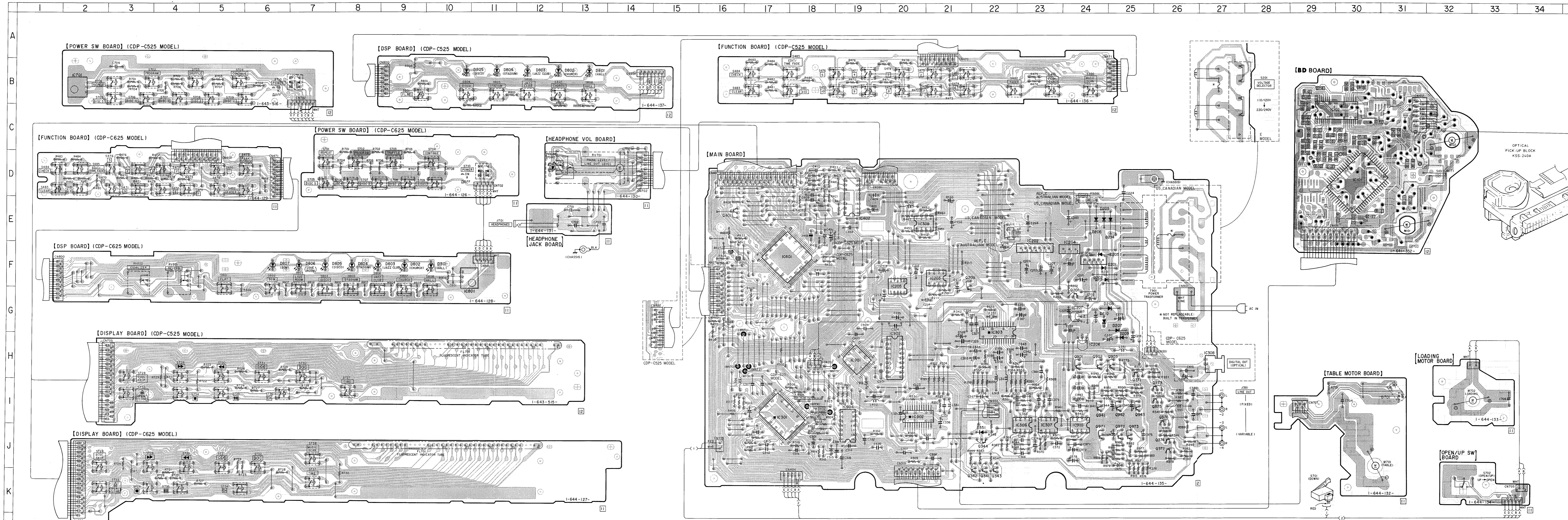
- Refer to page 10 for Semiconductor Lead Layouts.
- Refer to page 11 for IC BLOCK Diagrams.

• Semiconductor Location

| Ref.No. | Location |
|------------|----------|
| D201 | F-25 |
| D202 | F-25 |
| D203 | E-25 |
| D204 | E-25 |
| D205 | F-25 |
| D206 | E-24 |
| D207 | H-25 |
| D208 | G-25 |
| D209 | H-25 |
| D210 | G-25 |
| D351 | J-22 |
| D701 | I-31 |
| D801(C525) | B-13 |
| D802(C525) | B-13 |
| D803(C525) | B-12 |
| D804(C525) | B-11 |
| D805(C525) | B-11 |
| D801(C625) | F-10 |
| D802(C625) | F-9 |
| D803(C625) | F-9 |
| D804(C625) | F-8 |
| D805(C625) | F-8 |
| D806(C625) | F-7 |
| D807(C625) | F-6 |
| IC101 | D-30 |
| IC102 | C-30 |
| IC201 | F-24 |
| IC202 | F-23 |
| IC203 | F-21 |
| IC204 | F-24 |
| IC205 | G-20 |
| IC206 | H-24 |
| IC207 | G-24 |
| IC301 | I-18 |
| IC302 | I-21 |
| IC303 | H-22 |
| IC306 | J-23 |
| IC307 | J-23 |
| IC308 | H-27 |
| IC309 | E-21 |
| IC401 | F-18 |
| IC402 | E-19 |
| IC701 | B-2 |
| IC801 | F-11 |
| IC901 | H-19 |
| IC902 | H-20 |
| IC904 | J-19 |
| IC910 | J-24 |
| Q201 | G-24 |
| Q209 | G-22 |
| Q341 | K-22 |
| Q342 | K-22 |
| Q343 | K-22 |
| Q344 | J-22 |
| Q371 | I-25 |
| Q372 | J-26 |
| Q373 | I-26 |
| Q374 | J-26 |
| Q375 | I-26 |
| Q376 | J-26 |
| Q401 | E-16 |
| Q901 | H-24 |
| Q902 | H-25 |
| Q903 | H-25 |
| Q941 | I-25 |
| Q942 | I-25 |
| Q943 | I-25 |
| Q971 | J-25 |
| Q972 | J-25 |
| Q973 | J-25 |

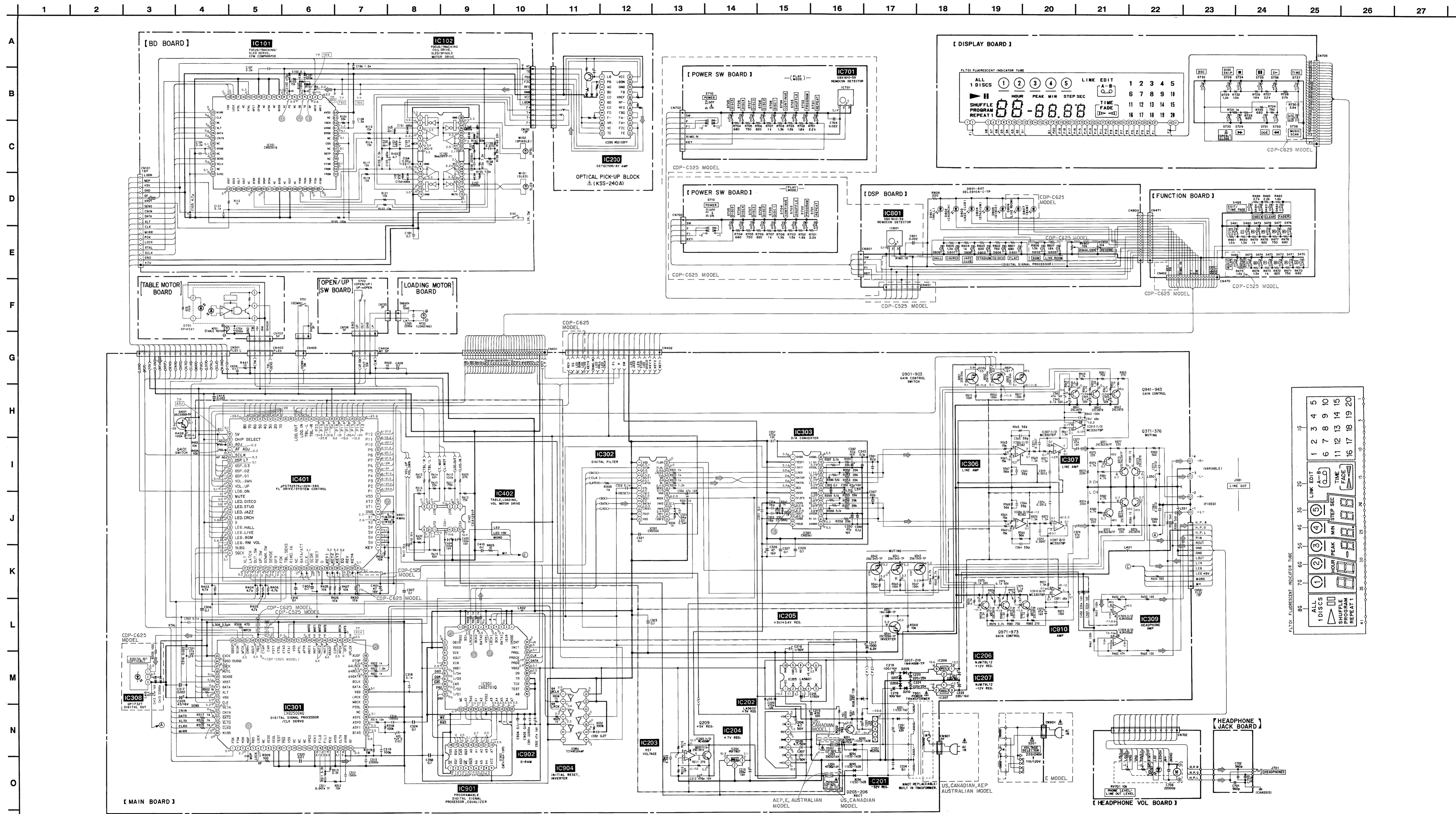
Note on Mounting Diagram:

- Note:
- : parts extracted from the component side.
 - : Through hole.
 - ▨ : Pattern on the side which is seen.
 - ▧ : Pattern of the rear side.



4-6. SCHEMATIC DIAGRAM

- Refer to page 10 for Semiconductor Lead Layouts.
- Refer to page 11 for IC BLOCK Diagrams.



Note on Schematic Diagram:

Note:

- All capacitors are in μF unless otherwise noted. pF: μF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.

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

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

— : B+ line
 - - - : B- line
 □ : adjustment for repair.
 Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
 Voltages are taken with a VOM (Input Impedance 10 M Ω). Voltage variations may be noted due to normal production tolerances.
 Waveforms are taken with an oscilloscope. Voltage variations may be noted due to normal production tolerances.
 Circled numbers refer to waveforms.
 Signal path.
 \Rightarrow : CD

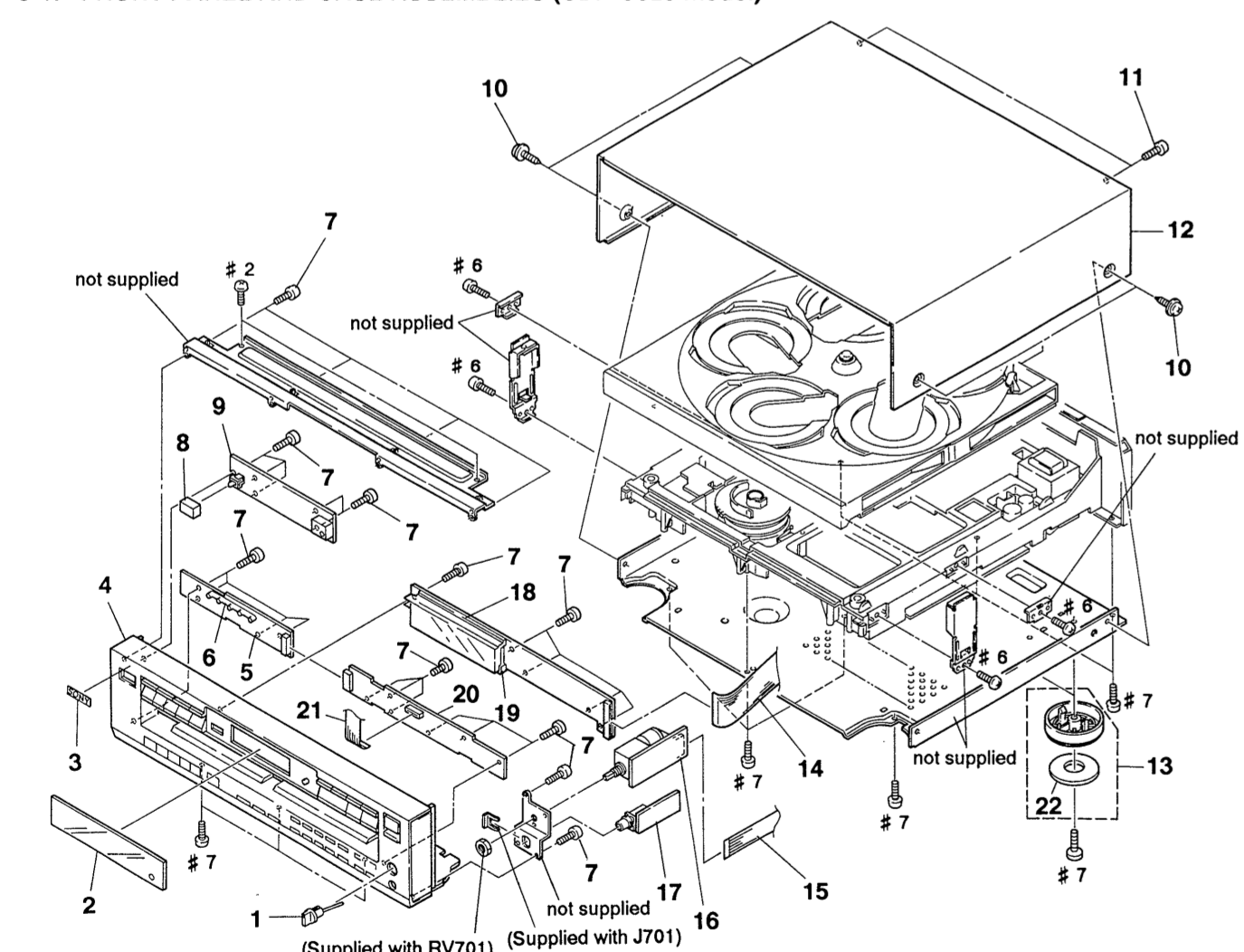
SECTION 5 EXPLODED VIEWS

NOTE:

- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
Example:
KNOB, BALANCE (WHITE) ... (RED)
↑ ↑
Parts color Cabinet's color
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list is 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.
Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

5-1. FRONT PANEL AND CASE ASSEMBLIES (CDP-C525 model)



| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|--------------|---|--------|----------|--------------|--------------------------------|--------|
| 1 | A-4660-105-A | KNOB (HP) ASSY | * | 12 | 4-944-153-01 | CASE | |
| 2 | 4-950-862-01 | PLATE (FL), INDICATION | | 13 | X-4942-197-1 | FOOT ASSY (US, Canadian) | |
| 3 | 4-925-534-11 | EMBLEM (S-A), SONY (AEP, E, Australian) | | 13 | X-4942-196-1 | FOOT ASSY (AEP, E, Australian) | |
| 4 | X-4942-482-1 | PANEL ASSY, FRONT (US, Canadian) | | 14 | 1-690-933-11 | WIRE (FLAT TYPE) (32 CORE) | |
| 4 | X-4942-483-1 | PANEL ASSY, FRONT (AEP, E, Australian) | | 15 | 1-690-934-11 | WIRE (FLAT TYPE) (13 CORE) | |
| * 5 | 1-644-137-11 | DSP BOARD | | * 16 | 1-644-130-11 | HEADPHONE VOLUME BOARD | |
| * 6 | 4-950-865-01 | HOLDER (LED) | | * 17 | 1-644-131-11 | HEADPHONE JACK BOARD | |
| 7 | 4-951-620-01 | SCREW (2.6X6), +BVTP | | * 18 | 1-643-515-11 | DISPLAY BOARD | |
| 8 | 4-922-921-01 | BUTTON (POWER) | | * 19 | 4-950-864-01 | HOLDER (FL) | |
| * 9 | 1-643-516-11 | POWER SW BOARD | | * 20 | A-4649-296-A | FUNCTION BOARD, COMPLETE | |
| 10 | 3-704-366-01 | SCREW (CASE) (M3X8) | | 21 | 1-690-932-11 | WIRE (FLAT TYPE) (15 CORE) | |
| 11 | 3-703-685-21 | SCREW (+BV 3X8) | | 22 | 4-923-836-11 | CUSHION | |

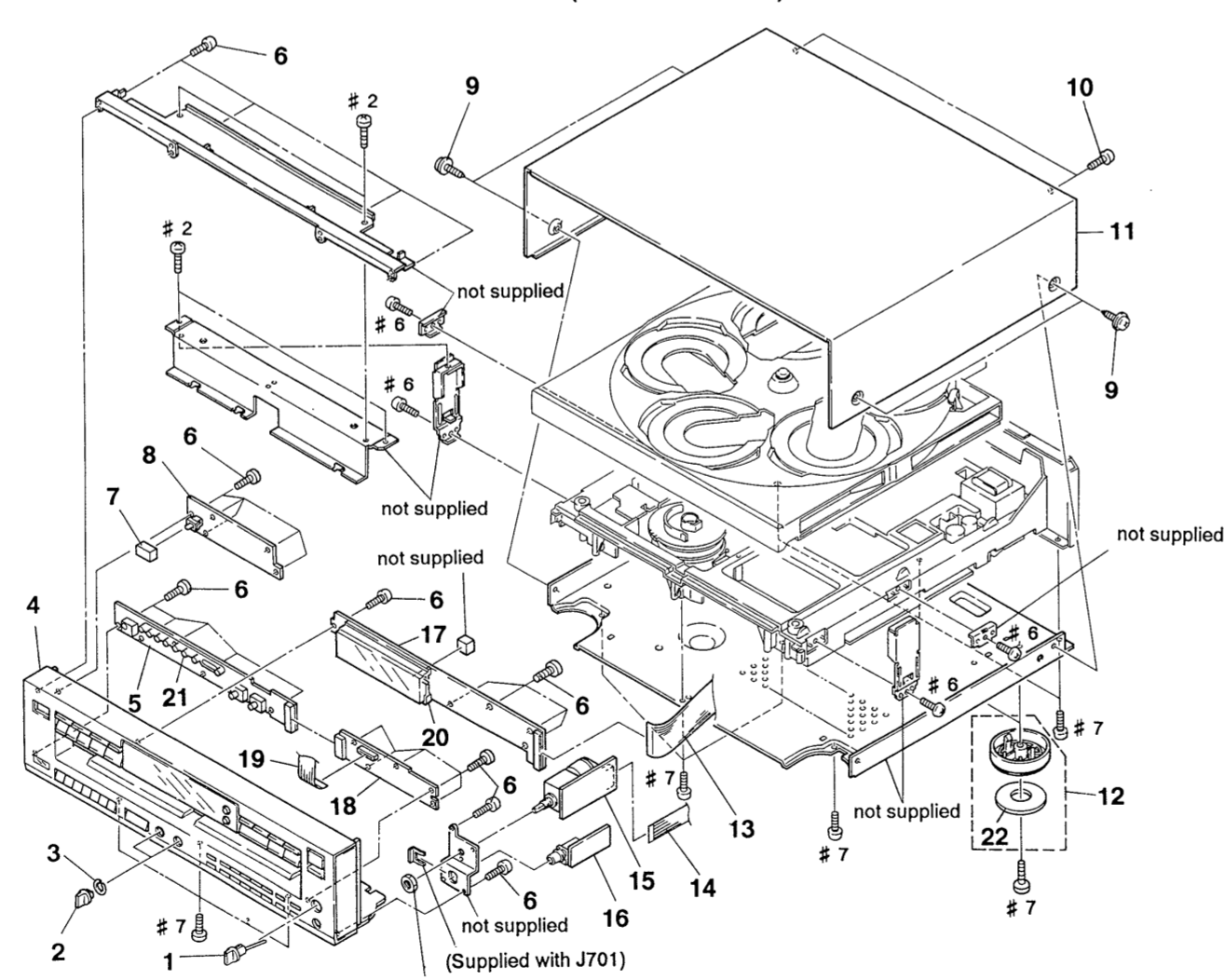
SECTION 5 EXPLODED VIEWS

NOTE:

- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
Example:
KNOB, BALANCE (WHITE) ... (RED)
↑ ↑
Parts color Cabinet's color
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list is given in the last of this parts list.

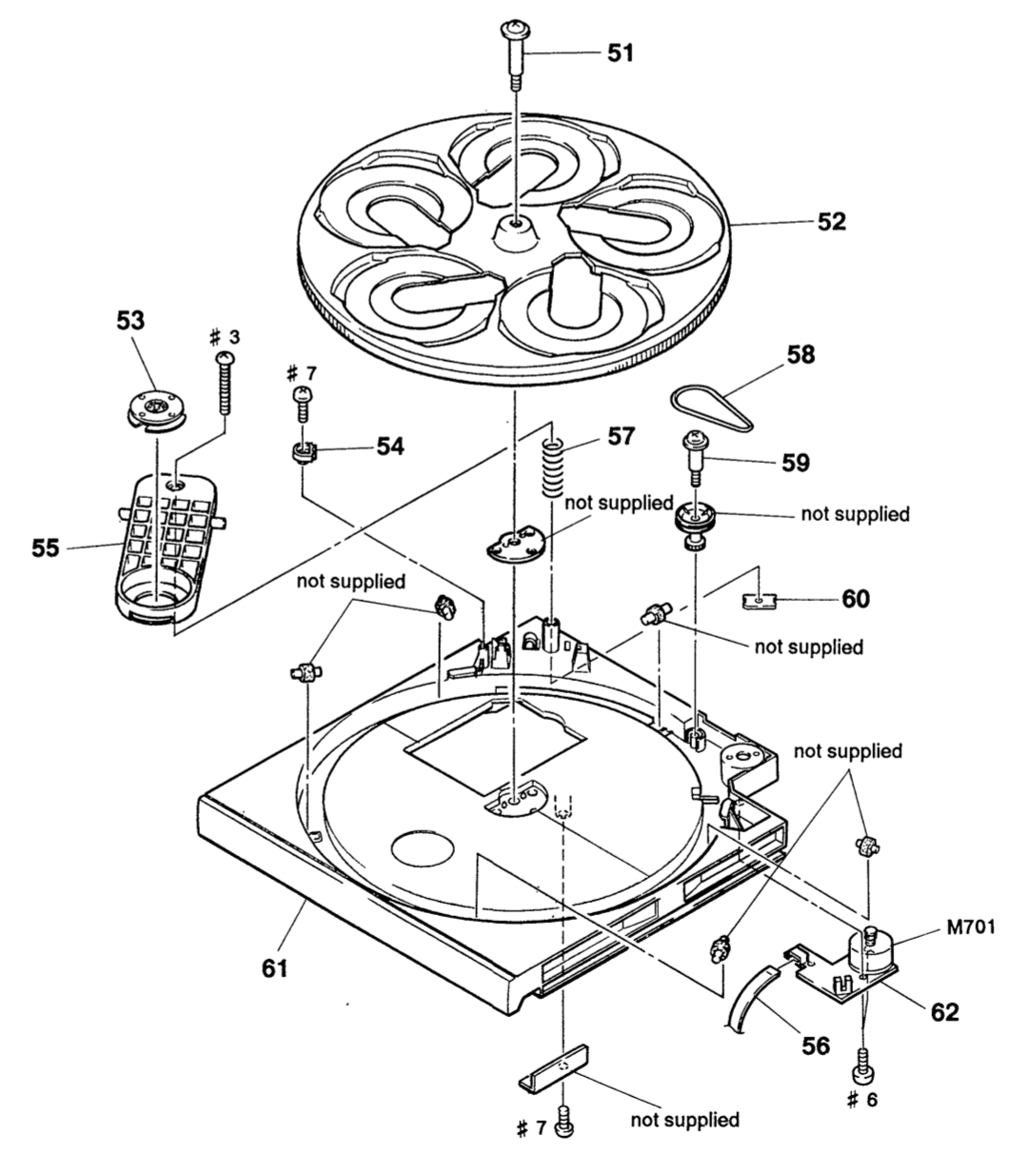
The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.
Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

5-1. FRONT PANEL AND CASE ASSEMBLIES (CDP-C625 model)



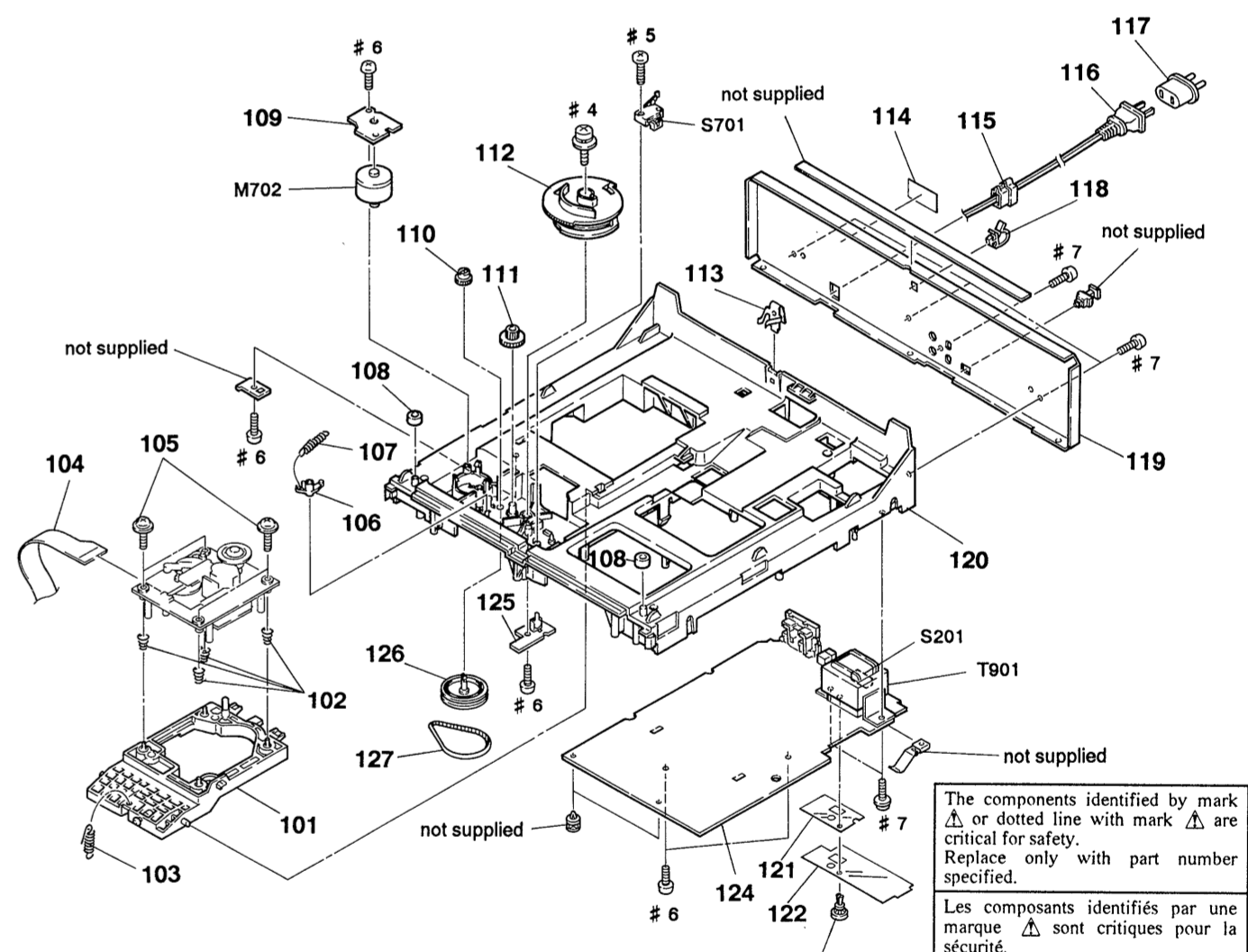
| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|--------------|----------------------|--------|----------|--------------|----------------------------|--------|
| 1 | A-4660-105-A | KNOB (HP) ASSY | * | 12 | X-4942-197-1 | FOOT ASSY | |
| 2 | 4-944-154-01 | KNOB (DSP) | | 13 | 1-690-933-11 | WIRE (FLAT TYPE) (32 CORE) | |
| 3 | 3-354-981-01 | SPRING (SUS), RING | | 14 | 1-690-934-11 | WIRE (FLAT TYPE) (13 CORE) | |
| 4 | X-4942-669-1 | PANEL ASSY, FRONT | | * 15 | 1-644-130-11 | HEADPHONE VOLUME BOARD | |
| * 5 | 1-644-128-11 | DSP BOARD | | * 16 | 1-644-131-11 | HEADPHONE JACK BOARD | |
| 6 | 4-951-620-01 | SCREW (2.6X6), +BVTP | | * 17 | 1-644-127-11 | DISPLAY BOARD | |
| 7 | 4-922-921-01 | BUTTON (POWER) | | * 18 | 1-644-129-11 | FUNCTION BOARD | |
| 8 | 1-644-126-11 | POWER SW BOARD | | 19 | 1-690-931-11 | WIRE (FLAT TYPE) (19 CORE) | |
| 9 | 3-704-366-01 | SCREW (CASE) (M3X8) | | * 20 | 4-950-864-01 | HOLDER (FL) | |
| 10 | 3-703-685-21 | SCREW (+BV 3X8) | | * 21 | 4-952-230-01 | HOLDER (LED) | |
| * 11 | 4-944-153-01 | CASE | | 22 | 4-923-836-11 | CUSHION | |

5-2. DISC TRAY ASSEMBLY



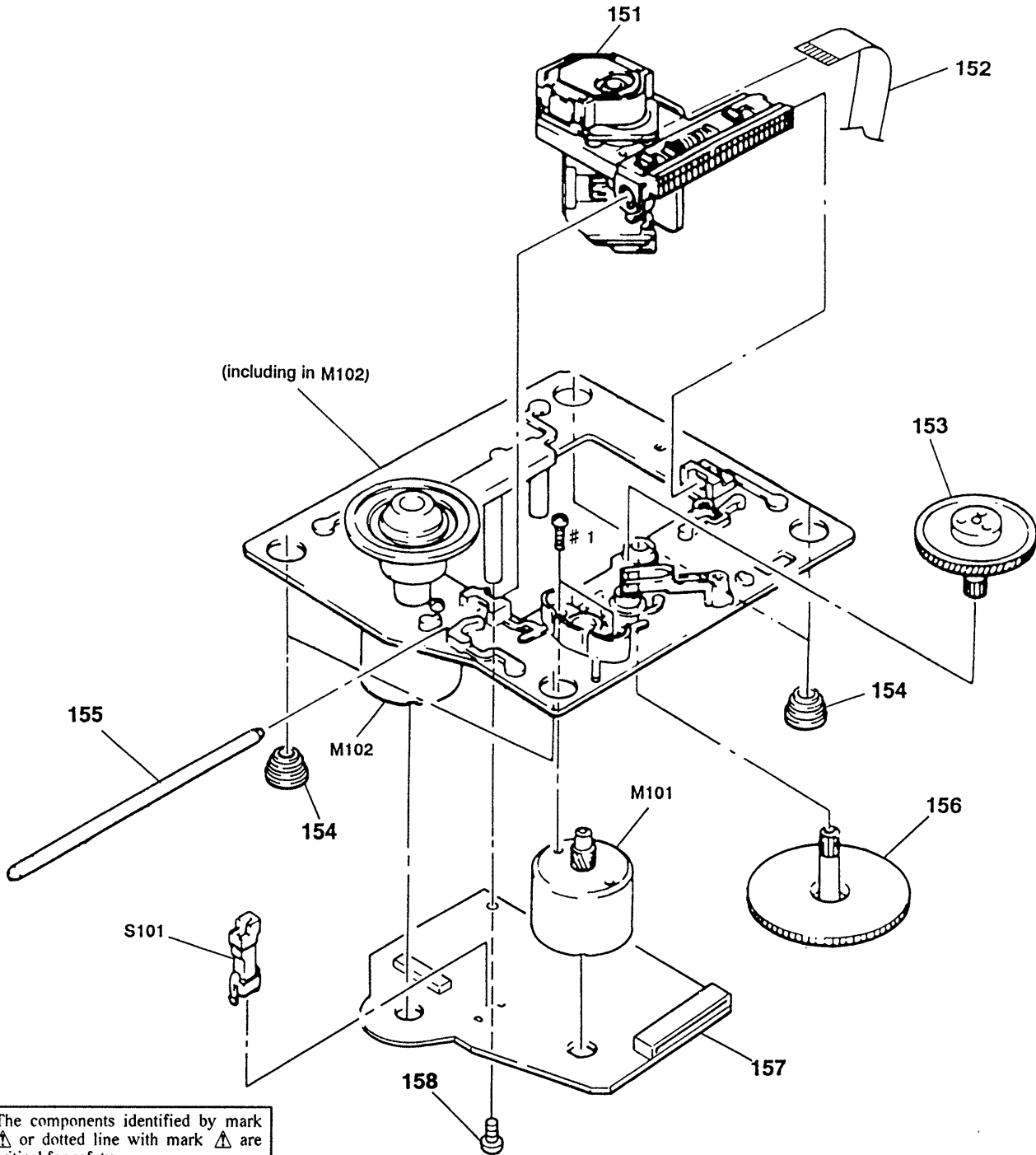
| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|--------------|--------------------------|--------|----------|--------------|----------------------------|--------|
| 51 | 4-926-384-01 | SCREW, STEP | | 58 | 4-926-399-01 | BELT | |
| * 52 | 4-926-383-01 | TABLE (B), DISK | | * 59 | 4-923-597-01 | SCREW, STEP | |
| * 53 | 1-452-538-11 | MAGNET | | * 60 | 4-926-388-01 | BRACKET (ADJUSTMENT) | |
| * 54 | 4-949-226-01 | PLATE, LOCK | | 61 | 4-950-866-01 | TABLE (A), DISK | |
| * 55 | 4-930-506-02 | BRACKET (PRESS PULLEY) | | * 62 | 1-644-132-11 | TABLE MOTOR BOARD | |
| 56 | 1-590-849-11 | WIRE, FLAT TYPE (5 CORE) | | M701 | A-4604-585-A | MOTOR ASSY, ROTARY (TABLE) | |
| 57 | 4-926-395-01 | SPRING, COMPRESSION | | | | | |

5-3. CHASSIS ASSEMBLY



| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|--------------|--|--------|----------|--------------|---|--------|
| * 101 | 4-934-373-01 | BRACKET (BU) | | * 119 | 4-949-993-21 | PANEL, BACK (C525:AEP) | |
| 102 | 4-949-385-01 | SPRING (D), COIL | | * 119 | 4-949-993-41 | PANEL, BACK (C525:Australian) | |
| 103 | 4-937-911-01 | SPRING, TENSION | | * 119 | 4-949-993-31 | PANEL, BACK (C525:E) | |
| 104 | 1-694-003-11 | JUMPER, FILM (WITH TERMINAL) | | * 119 | 4-951-174-01 | PANEL, BACK (C625) | |
| 105 | 4-933-134-01 | SCREW (+PTPHW M2.6X6) | | * 120 | 4-943-997-01 | CHASSIS | |
| 106 | 4-917-519-01 | LEVER, SET | | * 121 | 4-951-933-02 | SHEET, INSULATING (C525:AEP, Australian) | |
| 107 | 4-951-618-01 | TENSION | | * 122 | 4-944-178-01 | SHEET (INSULATING) | |
| * 108 | 1-644-133-11 | LOADING MOTOR BOARD | | 123 | 3-531-576-11 | RIVET | |
| * 109 | 4-934-375-01 | GEAR (LOADING B) | | * 124 | A-4649-295-A | MAIN BOARD, COMPLETE (C525:US, Canadian) | |
| 110 | 4-934-375-01 | GEAR (LOADING B) | | * 124 | A-4649-297-A | MAIN BOARD, COMPLETE (C525:AEP, Australian) | |
| 111 | 4-934-381-01 | GEAR (LOADING C) | | * 124 | A-4649-305-A | MAIN BOARD, COMPLETE (C625) | |
| 112 | 4-934-391-01 | GEAR (LOADING A) | | * 124 | A-4649-311-A | MAIN BOARD, COMPLETE (C525:E) | |
| * 113 | 4-943-996-01 | SPRING, LEAF | | * 125 | 1-644-134-11 | OPEN/UP SW BOARD | |
| * 114 | 4-941-548-01 | LABEL, CLASS 1 (C525:AEP, E, Australian) | | 126 | X-4941-529-1 | PULLEY ASSY | |
| * 115 | 3-703-244-00 | BUSHING (2104), CORD (EXCEPT C525:E) | | 127 | 4-944-490-01 | BELT (TIMING) | |
| 116 | 1-575-651-21 | CORD, POWER (C525:AEP) | | M702 | A-4604-834-A | MOTOR ASSY, LOADING | |
| 116 | 1-574-358-31 | CORD, POWER (WITH CONNECTOR) | | ΔS201 | 1-571-722-11 | SWITCH, VOLTAGE SELECTION (C525:E) | |
| 116 | 1-590-836-11 | CORD, POWER (C525:US, Canadian / C625) | | S701 | 1-572-713-11 | SWITCH, PUSH (WITH CONNECTOR) (DOWN) | |
| 116 | 1-590-836-11 | CORD, POWER (C525:US, Canadian / C625) | | ΔT901 | 1-449-955-11 | TRANSFORMER, POWER (C525:AEP, Australian) | |
| 117 | 1-569-007-11 | ADAPTER, CONVERSION 2P (C525:E) | | ΔT901 | 1-449-956-11 | TRANSFORMER, POWER (C525:E) | |
| * 118 | 4-948-235-01 | HOOK | | ΔT901 | 1-450-876-11 | TRANSFORMER, POWER (C525:US, Canadian / C625) | |
| * 119 | 4-949-993-01 | PANEL, BACK (C525:US, Canadian) | | | | | |

5-4. OPTICAL PICK-UP BLOCK ASSEMBLY (BU-5BD8B)



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

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

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|--------------|--------------|---------------------------|--------|----------|--------------|-------------------------------|--------|
| Δ 151 | 8-848-144-11 | DEVICE, OPTICAL KSS-240A | | * 157 | A-4649-199-A | BD BOARD, COMPLETE | |
| 152 | 1-575-001-11 | WIRE, FLAT TYPE (12 CORE) | | 158 | 4-951-620-01 | SCREW (2.6X8), +BVTP | |
| 153 | 4-917-567-01 | GEAR (M) | | M101 | X-4917-504-1 | MOTOR ASSY (SLED) | |
| 154 | 4-951-940-01 | INSULATOR (BU) | | M102 | X-4917-523-3 | BASE (OUTSERT) ASSY (SPINDLE) | |
| 155 | 4-917-565-01 | SHAFT, SLED | | S101 | 1-572-085-11 | SWITCH, LEAF (LIMIT IN) | |
| 156 | 4-917-564-01 | GEAR (P), FLATNESS | | | | | |

SECTION 6

ELECTRICAL PARTS LIST

BD **MAIN**

NOTE:

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

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

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

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
 - All resistors are in ohms
 - METAL: Metal-film resistor
 - METAL OXIDE: Metal Oxide-film resistor
 - F : nonflammable
- Color Indication of Appearance Parts Example:
 - ↑ KNOB, BALANCE (WHITE) ... (RED)
 - ↑ Parts color Cabinet's color
- 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, μ : for example:
 - $\mu A...$: $\mu A...$, $\mu PA...$: $\mu PA...$
 - $\mu PB...$: $\mu PB...$, $\mu PC...$: $\mu PC...$
 - $\mu PD...$: $\mu PD...$
- CAPACITORS
 - μF : μF
- COILS
 - μH : μH
- Hardware (# mark) list is given in the last of this parts list.

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|--------------|-----------------------------|---------|----------|--------------|--|--------|
| * | A-4649-199-A | BD BOARD, COMPLETE ***** | | R118 | 1-216-077-00 | METAL CHIP 15K 5% 1/10W | |
| | | < CAPACITOR > | | R121 | 1-216-077-00 | METAL CHIP 15K 5% 1/10W | |
| C101 | 1-163-005-11 | CERAMIC CHIP 470PF | 10% 50V | R122 | 1-216-077-00 | METAL CHIP 15K 5% 1/10W | |
| C102 | 1-163-038-00 | CERAMIC CHIP 0.1 μ F | 25V | R151 | 1-216-070-00 | METAL CHIP 7.5K 5% 1/10W | |
| C103 | 1-163-005-11 | CERAMIC CHIP 470PF | 10% 50V | R152 | 1-216-070-00 | METAL CHIP 7.5K 5% 1/10W | |
| C104 | 1-164-505-11 | CERAMIC CHIP 2.2 μ F | 16V | R153 | 1-216-070-00 | METAL CHIP 7.5K 5% 1/10W | |
| C105 | 1-135-155-21 | TANTALUM CHIP 4.7 μ F | 10% 16V | R154 | 1-216-070-00 | METAL CHIP 7.5K 5% 1/10W | |
| C106 | 1-164-346-11 | CERAMIC CHIP 1 μ F | 16V | R155 | 1-216-070-00 | METAL CHIP 7.5K 5% 1/10W | |
| C107 | 1-164-505-11 | CERAMIC CHIP 2.2 μ F | 16V | R156 | 1-216-070-00 | METAL CHIP 7.5K 5% 1/10W | |
| C108 | 1-164-346-11 | CERAMIC CHIP 1 μ F | 16V | R157 | 1-216-085-00 | METAL CHIP 33K 5% 1/10W | |
| C112 | 1-163-038-00 | CERAMIC CHIP 0.1 μ F | 25V | R158 | 1-216-076-00 | METAL CHIP 13K 5% 1/10W | |
| C151 | 1-163-007-11 | CERAMIC CHIP 680PF | 10% 50V | R159 | 1-216-085-00 | METAL CHIP 33K 5% 1/10W | |
| C152 | 1-163-007-11 | CERAMIC CHIP 680PF | 10% 50V | R160 | 1-216-081-00 | METAL CHIP 22K 5% 1/10W | |
| C153 | 1-163-038-00 | CERAMIC CHIP 0.1 μ F | 25V | R161 | 1-216-093-00 | METAL CHIP 68K 5% 1/10W | |
| C154 | 1-164-336-11 | CERAMIC CHIP 0.33 μ F | 25V | R162 | 1-216-085-00 | METAL CHIP 33K 5% 1/10W | |
| C155 | 1-163-007-11 | CERAMIC CHIP 680PF | 10% 50V | R163 | 1-216-308-00 | METAL CHIP 4.7 5% 1/10W | |
| C156 | 1-163-007-11 | CERAMIC CHIP 680PF | 10% 50V | | | < SWITCH > | |
| C157 | 1-163-037-11 | CERAMIC CHIP 0.022 μ F | 10% 25V | S101 | 1-572-085-11 | SWITCH, LEAF (LIMIT) | |
| C158 | 1-163-037-11 | CERAMIC CHIP 0.022 μ F | 10% 25V | | | ***** | |
| C159 | 1-163-023-00 | CERAMIC CHIP 0.015 μ F | 5% 50V | | | A-4649-295-A MAIN BOARD, COMPLETE (C525:US, Canadian) | |
| C160 | 1-163-019-00 | CERAMIC CHIP 0.0068 μ F | 10% 50V | * | | A-4649-297-A MAIN BOARD, COMPLETE (C525:AEP, Australian) | |
| C181 | 1-163-038-00 | CERAMIC CHIP 0.1 μ F | 25V | * | | A-4649-305-A MAIN BOARD, COMPLETE (C625) | |
| | | < CONNECTOR > | | * | | A-4649-311-A MAIN BOARD, COMPLETE (C525:E) ***** | |
| CN101 | 1-568-861-11 | SOCKET, CONNECTOR 18P | | * | 1-690-880-31 | READ (WITH CONNECTOR) | |
| CN102 | 1-568-795-11 | SOCKET, CONNECTOR 12P | | * | 4-950-865-01 | HOLDER (LED) (C525) | |
| | | < IC > | | | | < CAPACITOR > | |
| IC101 | 8-752-344-48 | IC CXD2501Q | | C201 | 1-124-572-11 | ELECT 100 μ F 20% 63V | |
| IC102 | 8-759-071-79 | IC BA6297AFP | | C202 | 1-126-059-11 | ELECT 10 μ F 20% 50V | |
| | | < RESISTOR > | | C203 | 1-124-887-00 | ELECT 3300 μ F 20% 16V | |
| R101 | 1-216-077-00 | METAL CHIP 15K 5% | 1/10W | C204 | 1-126-937-11 | ELECT 4700 μ F 20% 16V | |
| R102 | 1-216-097-00 | METAL CHIP 100K 5% | 1/10W | C205 | 1-126-163-11 | ELECT 4.7 μ F 20% 50V | |
| R103 | 1-216-077-00 | METAL CHIP 15K 5% | 1/10W | C206 | 1-126-163-11 | ELECT 4.7 μ F 20% 50V | |
| R104 | 1-216-085-00 | METAL CHIP 33K 5% | 1/10W | C207 | 1-126-301-11 | ELECT 1 μ F 20% 50V | |
| R105 | 1-216-097-00 | METAL CHIP 100K 5% | 1/10W | C209 | 1-124-997-11 | ELECT 470 μ F 20% 10V | |
| R112 | 1-216-049-00 | METAL CHIP 1K 5% | 1/10W | C210 | 1-126-024-11 | ELECT 220 μ F 20% 16V | |
| R113 | 1-216-077-00 | METAL CHIP 15K 5% | 1/10W | C212 | 1-124-997-11 | ELECT 470 μ F 20% 10V | |
| R114 | 1-216-077-00 | METAL CHIP 15K 5% | 1/10W | C213 | 1-126-301-11 | ELECT 1 μ F 20% 50V | |
| R117 | 1-216-077-00 | METAL CHIP 15K 5% | 1/10W | C214 | 1-130-487-00 | MYLAR 0.022 μ F 5% 50V | |

MAIN

| Ref. No. | Part No. | Description | | Remark | Ref. No. | Part No. | Description | | Remark |
|----------|--------------|-------------|-----------|--------|----------|---------------|--------------|--------------------------------------|------------------------|
| C215 | 1-124-997-11 | ELECT | 470uF | 20% | 10V | C366 | 1-162-213-31 | CERAMIC | 39PF 5% 50V |
| C216 | 1-126-301-11 | ELECT | 1uF | 20% | 50V | C367 | 1-162-280-31 | CERAMIC | 82PF 10% 50V |
| C217 | 1-124-471-00 | ELECT | 1000uF | 20% | 6. 3V | C371 | 1-130-479-00 | MYLAR | 0. 0047uF 5% 50V |
| C218 | 1-126-023-11 | ELECT | 100uF | 20% | 16V | C372 | 1-130-479-00 | MYLAR | 0. 0047uF 5% 50V |
| C219 | 1-126-023-11 | ELECT | 100uF | 20% | 16V | C373 | 1-130-472-00 | MYLAR | 0. 0012uF 5% 50V |
| C220 | 1-124-120-11 | ELECT | 220uF | 20% | 25V | C374 | 1-130-472-00 | MYLAR | 0. 0012uF 5% 50V |
| C221 | 1-124-120-11 | ELECT | 220uF | 20% | 25V | C377 | 1-126-022-11 | ELECT | 47uF 20% 16V |
| C222 | 1-126-024-11 | ELECT | 220uF | 20% | 16V | C378 | 1-126-022-11 | ELECT | 47uF 20% 16V |
| C223 | 1-126-024-11 | ELECT | 220uF | 20% | 16V | C379 | 1-130-472-00 | MYLAR | 0. 0012uF 5% 50V |
| C224 | 1-161-494-00 | CERAMIC | 0. 022uF | | 25V | C380 | 1-130-472-00 | MYLAR | 0. 0012uF 5% 50V |
| C301 | 1-124-589-11 | ELECT | 47uF | 20% | 16V | C401 | 1-126-022-11 | ELECT | 47uF 20% 16V |
| C303 | 1-164-159-11 | CERAMIC | 0. 1uF | | 50V | C402 | 1-164-159-11 | CERAMIC | 0. 1uF 50V |
| C305 | 1-126-022-11 | ELECT | 47uF | 20% | 16V | C403 | 1-126-023-11 | ELECT | 100uF 20% 16V |
| C306 | 1-164-159-11 | CERAMIC | 0. 1uF | | 50V | C404 | 1-126-023-11 | ELECT | 100uF 20% 16V |
| C307 | 1-164-159-11 | CERAMIC | 0. 1uF | | 50V | C408 | 1-164-159-11 | CERAMIC | 0. 1uF 50V |
| C311 | 1-130-491-00 | MYLAR | 0. 047uF | 5% | 50V | C409 | 1-164-159-11 | CERAMIC | 0. 1uF 50V |
| C312 | 1-161-374-11 | CERAMIC | 0. 0015uF | 20% | 50V | C410 | 1-164-159-11 | CERAMIC | 0. 1uF 50V |
| C313 | 1-161-494-00 | CERAMIC | 0. 022uF | | 25V | C412 | 1-126-022-11 | ELECT | 47uF 20% 16V (C625) |
| C314 | 1-162-306-11 | CERAMIC | 0. 01uF | 20% | 16V | C413 | 1-161-494-00 | CERAMIC | 0. 022uF 25V (C625) |
| C315 | 1-124-465-00 | ELECT | 0. 47uF | 20% | 50V | C414 | 1-161-494-00 | CERAMIC | 0. 022uF 25V |
| C316 | 1-161-494-00 | CERAMIC | 0. 022uF | | 25V | C415 | 1-164-159-11 | CERAMIC | 0. 1uF 50V |
| C317 | 1-161-494-00 | CERAMIC | 0. 022uF | | 25V | C416 | 1-164-159-11 | CERAMIC | 0. 1uF 50V |
| C318 | 1-164-159-11 | CERAMIC | 0. 1uF | | 50V | C450 | 1-126-024-11 | ELECT | 220uF 20% 16V |
| C319 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V | C460 | 1-126-024-11 | ELECT | 220uF 20% 16V |
| C320 | 1-130-483-00 | MYLAR | 0. 01uF | 5% | 50V | C901 | 1-161-494-00 | CERAMIC | 0. 022uF 25V |
| C321 | 1-164-159-11 | CERAMIC | 0. 1uF | | 50V | C902 | 1-126-022-11 | ELECT | 47uF 20% 16V |
| C322 | 1-164-159-11 | CERAMIC | 0. 1uF | | 50V | C903 | 1-164-159-11 | CERAMIC | 0. 1uF 50V |
| C323 | 1-164-159-11 | CERAMIC | 0. 1uF | | 50V | C904 | 1-164-159-11 | CERAMIC | 0. 1uF 50V |
| C324 | 1-164-159-11 | CERAMIC | 0. 1uF | | 50V | C941 | 1-162-219-31 | CERAMIC | 68PF 5% 50V |
| C327 | 1-164-159-11 | CERAMIC | 0. 1uF | | 50V | C942 | 1-126-022-11 | ELECT | 47uF 20% 16V |
| C328 | 1-126-022-11 | ELECT | 47uF | 20% | 16V | C943 | 1-124-463-00 | ELECT | 0. 1uF 20% 50V |
| C329 | 1-164-159-11 | CERAMIC | 0. 1uF | | 50V | C944 | 1-124-463-00 | ELECT | 0. 1uF 20% 50V |
| C331 | 1-162-208-31 | CERAMIC | 24PF | 5% | 50V | C945 | 1-124-463-00 | ELECT | 0. 1uF 20% 50V |
| C332 | 1-136-170-00 | FILM | 0. 27uF | 5% | 50V | C971 | 1-162-219-31 | CERAMIC | 68PF 5% 50V |
| C336 | 1-126-022-11 | ELECT | 47uF | 20% | 16V | C972 | 1-126-022-11 | ELECT | 47uF 20% 16V |
| C342 | 1-126-022-11 | ELECT | 47uF | 20% | 16V | C973 | 1-124-463-00 | ELECT | 0. 1uF 20% 50V |
| C343 | 1-164-159-11 | CERAMIC | 0. 1uF | | 50V | C974 | 1-124-463-00 | ELECT | 0. 1uF 20% 50V |
| C349 | 1-164-159-11 | CERAMIC | 0. 1uF | | 50V | C975 | 1-124-463-00 | ELECT | 0. 1uF 20% 50V |
| C350 | 1-126-022-11 | ELECT | 47uF | 20% | 16V | (CONNECTOR) | | | |
| C351 | 1-161-494-00 | CERAMIC | 0. 022uF | | 25V | * CN301 | 1-691-895-11 | CONNECTOR, FFC/FPC 18P | |
| C353 | 1-162-205-31 | CERAMIC | 18PF | 5% | 50V | * CN381 | 1-691-892-11 | CONNECTOR, FFC/FPC 13P | |
| C354 | 1-162-205-31 | CERAMIC | 18PF | 5% | 50V | * CN401 | 1-691-900-11 | CONNECTOR, FFC/FPC 32P | |
| C355 | 1-161-494-00 | CERAMIC | 0. 022uF | | 25V | * CN402 | 1-691-894-11 | CONNECTOR, FFC/FPC 15P (C525) | |
| C356 | 1-126-022-11 | ELECT | 47uF | 20% | 16V | * CN402 | 1-691-898-11 | CONNECTOR, FFC/FPC 19P (C625) | |
| C357 | 1-124-997-11 | ELECT | 470uF | 20% | 10V | * CN403 | 1-568-824-11 | SOCKET, CONNECTOR 5P | |
| C358 | 1-164-159-11 | CERAMIC | 0. 1uF | | 50V | * CN404 | 1-568-943-11 | PIN, CONNECTOR 5P | |
| C361 | 1-162-280-31 | CERAMIC | 82PF | 10% | 50V | * CN470 | 1-691-893-11 | CONNECTOR, FFC/FPC 15P (C525) | |
| C363 | 1-162-213-31 | CERAMIC | 39PF | 5% | 50V | * CN471 | 1-691-962-11 | CONNECTOR, BOARD TO BOARD 14P (C525) | |
| C364 | 1-162-213-31 | CERAMIC | 39PF | 5% | 50V | | | | |
| C365 | 1-162-213-31 | CERAMIC | 39PF | 5% | 50V | | | | |

MAIN

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|--------------|------------------------------|--------------------|----------|--------------|----------------|----------------------------|
| CN705 | 1-573-383-11 | PIN, CONNECTOR (PC BOARD) 2P | | L351 | 1-412-473-21 | INDUCTOR | 0uH |
| CN901 | 1-573-047-11 | PIN, CONNECTOR (PC BOARD) 2P | | L401 | 1-412-473-21 | INDUCTOR | 0uH |
| | | (DIODE) | | L402 | 1-412-473-21 | INDUCTOR | 0uH |
| D201 | 8-719-200-82 | DIODE | 11ES2 | | | (IC LINK) | |
| D202 | 8-719-110-08 | DIODE | RD8. 2ES-B2 | △PS201 | 1-532-685-00 | LINK, IC | (C525:AEP, E2/3, AUS) |
| D203 | 8-719-200-82 | DIODE | 11ES2 | △PS202 | 1-532-637-00 | LINK, IC | 1.0A (C525:AEP, E2/3, AUS) |
| D204 | 8-719-200-82 | DIODE | 11ES2 | | | (TRANSISTOR) | |
| D205 | 8-719-200-82 | DIODE | 11ES2 | | | | |
| D206 | 8-719-200-82 | DIODE | 11ES2 | Q201 | 8-729-119-76 | TRANSISTOR | 2SA1175-HFE |
| D207 | 8-719-987-63 | DIODE | 1N4148M | Q209 | 8-729-281-52 | TRANSISTOR | 2SC1815-Y |
| D208 | 8-719-987-63 | DIODE | 1N4148M | Q341 | 8-729-900-65 | TRANSISTOR | DTA144ES |
| D209 | 8-719-987-63 | DIODE | 1N4148M | Q342 | 8-729-900-65 | TRANSISTOR | DTA144ES |
| D210 | 8-719-987-63 | DIODE | 1N4148M | Q343 | 8-729-900-65 | TRANSISTOR | DTA144ES |
| D351 | 8-719-987-63 | DIODE | 1N4148M | Q344 | 8-729-900-89 | TRANSISTOR | DTC144ES |
| | | (IC) | | Q371 | 8-729-141-30 | TRANSISTOR | 2SC3623A-LK |
| IC201 | 8-759-633-42 | IC | M5293L | Q372 | 8-729-141-30 | TRANSISTOR | 2SC3623A-LK |
| IC202 | 8-759-061-65 | IC | LA5602 | Q373 | 8-729-141-30 | TRANSISTOR | 2SC3623A-LK |
| IC203 | 8-759-945-58 | IC | RC4558P | Q374 | 8-729-141-30 | TRANSISTOR | 2SC3623A-LK |
| IC204 | 8-759-604-86 | IC | M5F7807L | Q375 | 8-729-231-55 | TRANSISTOR | 2SC2878-AB |
| IC205 | 8-759-821-93 | IC | LA5601 | Q376 | 8-729-231-55 | TRANSISTOR | 2SC2878-AB |
| IC206 | 8-759-982-26 | IC | RC78L12A | Q401 | 8-729-900-89 | TRANSISTOR | DTC144ES |
| IC207 | 8-759-982-48 | IC | NJM79L12A | Q901 | 8-729-900-63 | TRANSISTOR | DTA124ES |
| IC301 | 8-752-337-26 | IC | CXD2500AQ | Q902 | 8-729-900-63 | TRANSISTOR | DTA124ES |
| IC302 | 8-752-342-65 | IC | CXD2560M | Q903 | 8-729-900-63 | TRANSISTOR | DTA124ES |
| IC303 | 8-752-351-19 | IC | CXD2561BM (C525) | Q941 | 8-729-231-55 | TRANSISTOR | 2SC2878-AB |
| IC303 | 8-752-351-20 | IC | CXD2561BM-1 (C625) | Q942 | 8-729-231-55 | TRANSISTOR | 2SC2878-AB |
| IC306 | 8-759-503-91 | IC | TL082ACP | Q943 | 8-729-231-55 | TRANSISTOR | 2SC2878-AB |
| IC307 | 8-759-073-60 | IC | MC33078 | Q971 | 8-729-231-55 | TRANSISTOR | 2SC2878-AB |
| IC308 | 8-749-921-12 | IC | GP1F32T (C625) | Q972 | 8-729-231-55 | TRANSISTOR | 2SC2878-AB |
| IC309 | 8-759-981-85 | IC | RC4556D | Q973 | 8-729-231-55 | TRANSISTOR | 2SC2878-AB |
| IC401 | 8-759-066-14 | IC | μPD75237GJ-024-5BG | | | (RESISTOR) | |
| IC402 | 8-759-821-32 | IC | CXA1291P | R201 | 1-249-435-11 | CARBON | 33K 5% 1/4W |
| IC901 | 8-752-341-99 | IC | CXD2701Q | R202 | 1-249-438-11 | CARBON | 56K 5% 1/4W |
| IC902 | 8-759-508-41 | IC | MS51464-10NC | R203 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| IC904 | 8-759-917-18 | IC | SN74HCU04AN | R210 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| IC910 | 8-759-073-60 | IC | MC33078 | R211 | 1-249-410-11 | CARBON | 270 5% 1/4W |
| | | (PIN JACK) | | R215 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| * J381 | 1-569-443-11 | JACK, PIN 4P (LINE OUT) | | R302 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| | | (COIL) | | R303 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| L306 | 1-408-403-00 | INDUCTOR | 3. 3uH | R305 | 1-249-411-11 | CARBON | 330 5% 1/4W (C625) |
| L311 | 1-412-473-21 | INDUCTOR | 0uH | R306 | 1-249-413-11 | CARBON | 470 5% 1/4W |
| L313 | 1-412-473-21 | INDUCTOR | 0uH | R309 | 1-249-405-11 | CARBON | 100 5% 1/4W |
| L331 | 1-408-403-00 | INDUCTOR | 3. 3uH | R311 | 1-249-423-11 | CARBON | 3. 3K 5% 1/4W |
| L350 | 1-412-473-21 | INDUCTOR | 0uH | R312 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| | | | | R313 | 1-249-423-11 | CARBON | 3. 3K 5% 1/4W |
| | | | | R314 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| | | | | R315 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| | | | | R316 | 1-249-417-11 | CARBON | 1K 5% 1/4W |

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

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

MAIN

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|--------------|-------------|---------------|----------|--------------|-------------|----------------------|
| R317 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R385 | 1-249-393-11 | CARBON | 10 5% 1/4W |
| R318 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R386 | 1-249-393-11 | CARBON | 10 5% 1/4W |
| R319 | 1-247-903-00 | CARBON | 1M 5% 1/4W | R389 | 1-249-414-11 | CARBON | 560 5% 1/4W |
| R321 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R390 | 1-249-414-11 | CARBON | 560 5% 1/4W |
| R322 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R396 | 1-247-848-11 | CARBON | 5. 1K 5% 1/4W |
| R323 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R397 | 1-247-848-11 | CARBON | 5. 1K 5% 1/4W |
| R324 | 1-249-418-11 | CARBON | 1. 2K 5% 1/4W | R398 | 1-247-848-11 | CARBON | 5. 1K 5% 1/4W |
| R330 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R399 | 1-247-848-11 | CARBON | 5. 1K 5% 1/4W |
| R331 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R403 | 1-249-425-11 | CARBON | 4. 7K 5% 1/4W |
| R332 | 1-247-893-11 | CARBON | 390K 5% 1/4W | R404 | 1-249-425-11 | CARBON | 4. 7K 5% 1/4W |
| R342 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R405 | 1-249-425-11 | CARBON | 4. 7K 5% 1/4W |
| R343 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R406 | 1-249-425-11 | CARBON | 4. 7K 5% 1/4W |
| R344 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R408 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R345 | 1-249-425-11 | CARBON | 4. 7K 5% 1/4W | R409 | 1-249-434-11 | CARBON | 27K 5% 1/4W |
| R346 | 1-249-425-11 | CARBON | 4. 7K 5% 1/4W | R410 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R347 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R411 | 1-247-876-11 | CARBON | 75K 5% 1/4W |
| R348 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R412 | 1-247-876-11 | CARBON | 75K 5% 1/4W |
| R351 | 1-249-436-11 | CARBON | 39K 5% 1/4W | R413 | 1-249-440-11 | CARBON | 82K 5% 1/4W |
| R352 | 1-249-436-11 | CARBON | 39K 5% 1/4W | R414 | 1-247-874-11 | CARBON | 62K 5% 1/4W |
| R353 | 1-249-436-11 | CARBON | 39K 5% 1/4W | R415 | 1-249-435-11 | CARBON | 33K 5% 1/4W |
| R354 | 1-249-436-11 | CARBON | 39K 5% 1/4W | R416 | 1-247-878-00 | CARBON | 91K 5% 1/4W |
| R355 | 1-249-436-11 | CARBON | 39K 5% 1/4W | R417 | 1-247-878-00 | CARBON | 91K 5% 1/4W |
| R356 | 1-249-436-11 | CARBON | 39K 5% 1/4W | R418 | 1-247-878-00 | CARBON | 91K 5% 1/4W |
| R357 | 1-249-436-11 | CARBON | 39K 5% 1/4W | R419 | 1-249-440-11 | CARBON | 82K 5% 1/4W |
| R358 | 1-249-436-11 | CARBON | 39K 5% 1/4W | R420 | 1-249-440-11 | CARBON | 82K 5% 1/4W |
| R359 | 1-247-903-00 | CARBON | 1M 5% 1/4W | R421 | 1-249-393-11 | CARBON | 10 5% 1/4W |
| R361 | 1-249-432-11 | CARBON | 18K 5% 1/4W | R422 | 1-249-393-11 | CARBON | 10 5% 1/4W |
| R362 | 1-249-432-11 | CARBON | 18K 5% 1/4W | R423 | 1-249-393-11 | CARBON | 10 5% 1/4W |
| R363 | 1-249-432-11 | CARBON | 18K 5% 1/4W | R424 | 1-249-411-11 | CARBON | 330 5% 1/4W |
| R364 | 1-249-432-11 | CARBON | 18K 5% 1/4W | R425 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R365 | 1-249-438-11 | CARBON | 56K 5% 1/4W | R426 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R366 | 1-249-438-11 | CARBON | 56K 5% 1/4W | R427 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R367 | 1-249-438-11 | CARBON | 56K 5% 1/4W | R430 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R368 | 1-249-438-11 | CARBON | 56K 5% 1/4W | R432 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R369 | 1-249-419-11 | CARBON | 1. 5K 5% 1/4W | R433 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R370 | 1-249-419-11 | CARBON | 1. 5K 5% 1/4W | R434 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R371 | 1-249-419-11 | CARBON | 1. 5K 5% 1/4W | R451 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R372 | 1-249-419-11 | CARBON | 1. 5K 5% 1/4W | R452 | 1-249-437-11 | CARBON | 47K 5% 1/4W |
| R373 | 1-247-887-00 | CARBON | 220K 5% 1/4W | R453 | 1-249-405-11 | CARBON | 100 5% 1/4W |
| R374 | 1-247-887-00 | CARBON | 220K 5% 1/4W | R461 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R375 | 1-249-409-11 | CARBON | 220 5% 1/4W | R462 | 1-249-437-11 | CARBON | 47K 5% 1/4W |
| R376 | 1-249-409-11 | CARBON | 220 5% 1/4W | R463 | 1-249-405-11 | CARBON | 100 5% 1/4W |
| R377 | 1-249-409-11 | CARBON | 220 5% 1/4W | R470 | 1-249-415-11 | CARBON | 680 5% 1/4W (C525) |
| R378 | 1-249-409-11 | CARBON | 220 5% 1/4W | R471 | 1-247-828-11 | CARBON | 750 5% 1/4W (C525) |
| R379 | 1-249-425-11 | CARBON | 4. 7K 5% 1/4W | R472 | 1-249-416-11 | CARBON | 820 5% 1/4W (C525) |
| R380 | 1-249-425-11 | CARBON | 4. 7K 5% 1/4W | R473 | 1-249-417-11 | CARBON | 1K 5% 1/4W (C525) |
| R381 | 1-249-425-11 | CARBON | 4. 7K 5% 1/4W | R474 | 1-247-834-11 | CARBON | 1. 3K 5% 1/4W (C525) |
| R382 | 1-249-425-11 | CARBON | 4. 7K 5% 1/4W | R475 | 1-249-419-11 | CARBON | 1. 5K 5% 1/4W (C525) |
| R383 | 1-249-414-11 | CARBON | 560 5% 1/4W | R476 | 1-249-415-11 | CARBON | 680 5% 1/4W (C525) |
| R384 | 1-249-414-11 | CARBON | 560 5% 1/4W | R477 | 1-247-828-11 | CARBON | 750 5% 1/4W (C525) |

MAIN

DISPLAY

| Ref. No. | Part No. | Description | Remark |
|----------|--------------|----------------------------|--------|
| R478 | 1-249-416-11 | CARBON 820 5% 1/4W (C525) | |
| R479 | 1-249-417-11 | CARBON 1K 5% 1/4W (C525) | |
| R480 | 1-247-834-11 | CARBON 1.3K 5% 1/4W (C525) | |
| R481 | 1-249-419-11 | CARBON 1.5K 5% 1/4W (C525) | |
| R482 | 1-249-420-11 | CARBON 1.8K 5% 1/4W (C525) | |
| R483 | 1-249-421-11 | CARBON 2.2K 5% 1/4W (C525) | |
| R484 | 1-249-422-11 | CARBON 2.7K 5% 1/4W (C525) | |
| R901 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R902 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R903 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R915 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R916 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R917 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R921 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R922 | 1-249-420-11 | CARBON 1.8K 5% 1/4W | |
| R923 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R924 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R925 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R941 | 1-249-419-11 | CARBON 1.5K 5% 1/4W | |
| R943 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R945 | 1-249-425-11 | CARBON 4.7K 5% 1/4W | |
| R946 | 1-249-425-11 | CARBON 4.7K 5% 1/4W | |
| R947 | 1-249-425-11 | CARBON 4.7K 5% 1/4W | |
| R948 | 1-249-421-11 | CARBON 2.2K 5% 1/4W | |
| R949 | 1-249-422-11 | CARBON 2.7K 5% 1/4W | |
| R950 | 1-247-836-11 | CARBON 1.6K 5% 1/4W | |
| R951 | 1-247-828-11 | CARBON 750 5% 1/4W | |
| R952 | 1-247-832-11 | CARBON 1.1K 5% 1/4W | |
| R953 | 1-249-410-11 | CARBON 270 5% 1/4W | |
| R971 | 1-249-419-11 | CARBON 1.5K 5% 1/4W | |
| R973 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R975 | 1-249-425-11 | CARBON 4.7K 5% 1/4W | |
| R976 | 1-249-425-11 | CARBON 4.7K 5% 1/4W | |
| R977 | 1-249-425-11 | CARBON 4.7K 5% 1/4W | |
| R978 | 1-249-421-11 | CARBON 2.2K 5% 1/4W | |
| R979 | 1-249-422-11 | CARBON 2.7K 5% 1/4W | |
| R980 | 1-247-836-11 | CARBON 1.6K 5% 1/4W | |
| R981 | 1-247-828-11 | CARBON 750 5% 1/4W | |
| R982 | 1-247-832-11 | CARBON 1.1K 5% 1/4W | |
| R983 | 1-249-410-11 | CARBON 270 5% 1/4W | |

< SWITCH >

| | | | |
|-------|--------------|---------------------------------------|--|
| △S201 | 1-571-722-11 | SWITCH, VOLTAGE SELECTION (C525:E2/3) | |
| S470 | 1-554-303-21 | SWITCH, TACTILE (10) (C525) | |
| S471 | 1-554-303-21 | SWITCH, TACTILE (9) (C525) | |
| S472 | 1-554-303-21 | SWITCH, TACTILE (8) (C525) | |
| S473 | 1-554-303-21 | SWITCH, TACTILE (7) (C525) | |
| S474 | 1-554-303-21 | SWITCH, TACTILE (6) (C525) | |
| S475 | 1-554-303-21 | SWITCH, TACTILE (PEAK SERCH) (C525) | |
| S476 | 1-554-303-21 | SWITCH, TACTILE (5) (C525) | |

| Ref. No. | Part No. | Description | Remark |
|----------|--------------|--|--------|
| S477 | 1-554-303-21 | SWITCH, TACTILE (4) (C525) | |
| S478 | 1-554-303-21 | SWITCH, TACTILE (3) (C525) | |
| S479 | 1-554-303-21 | SWITCH, TACTILE (2) (C525) | |
| S480 | 1-554-303-21 | SWITCH, TACTILE (1) (C525) | |
| S481 | 1-554-303-21 | SWITCH, TACTILE (10) (C525) | |
| S482 | 1-554-303-21 | SWITCH, TACTILE (FADER) (C525) | |
| S483 | 1-554-303-21 | SWITCH, TACTILE (CLEAR) (C525) | |
| S484 | 1-554-303-21 | SWITCH, TACTILE (CHECK) (C525) | |
| S485 | 1-554-303-21 | SWITCH, TACTILE (EDIT/TIME FADER) (C525) | |
| S486 | 1-554-303-21 | SWITCH, TACTILE (MUSIC SCAN) (C525) | |
| | | < VIBRATOR > | |
| X351 | 1-579-314-11 | VIBRATOR, CRYSTAL | |
| X401 | 1-577-358-21 | VIBRATOR, CERAMIC | |
| ***** | | | |
| * | 1-643-515-11 | DISPLAY BOARD (C525) | |
| | | ***** | |
| * | 1-644-127-11 | DISPLAY BOARD (C625) | |
| | | ***** | |
| * | 4-950-864-01 | HOLDER (FL) | |
| | | < CONNECTOR > | |
| * CN705 | 1-691-899-11 | CONNECTOR, FFC/FPC 32P | |
| | | < TUBE INDICATOR > | |
| FL701 | 1-519-721-11 | INDICATOR TUBE, FLUORESCENT | |
| | | < RESISTOR > | |
| R721 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R722 | 1-249-419-11 | CARBON 1.5K 5% 1/4W | |
| R723 | 1-249-416-11 | CARBON 820 5% 1/4W | |
| R724 | 1-247-828-11 | CARBON 750 5% 1/4W | |
| R725 | 1-249-415-11 | CARBON 680 5% 1/4W | |
| R726 | 1-249-420-11 | CARBON 1.8K 5% 1/4W | |
| R727 | 1-249-421-11 | CARBON 2.2K 5% 1/4W | |
| R728 | 1-249-422-11 | CARBON 2.7K 5% 1/4W | |
| R729 | 1-247-834-11 | CARBON 1.3K 5% 1/4W | |
| R730 | 1-249-424-11 | CARBON 3.9K 5% 1/4W (C625) | |

< SWITCH >

| | | | |
|------|--------------|--------------------------------|--|
| S728 | 1-554-303-21 | SWITCH, TACTILE (DISC SKIP) | |
| S729 | 1-554-303-21 | SWITCH, TACTILE (▶▶) | |
| S730 | 1-554-303-21 | SWITCH, TACTILE (◀◀) | |
| S731 | 1-554-303-21 | SWITCH, TACTILE (▷◁) | |
| S732 | 1-554-303-21 | SWITCH, TACTILE (◁◀) | |
| S733 | 1-554-303-21 | SWITCH, TACTILE (△ OPEN/CLOSE) | |
| S734 | 1-554-303-21 | SWITCH, TACTILE (■) | |
| S735 | 1-554-303-21 | SWITCH, TACTILE (▣) | |

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|--|--|
| The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified. | Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié. |
|--|--|

DISPLAY

POWER SW

DSP

FUNCTION

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|--------------|---|-------------------|----------|----------|---------------|--------|
| S736 | 1-554-303-21 | SWITCH, TACTILE (▷) | | | | < CAPACITOR > | |
| S737 | 1-554-303-21 | SWITCH, TACTILE (TIME) | | | | | |
| S738 | 1-554-303-21 | SWITCH, TACTILE (MUSIC SCAN) (C625) | | | | | |
| ***** | | | | | | | |
| * | 1-643-516-11 | POWER SW BOARD (C525) | | | | | |
| | | ***** | | | | | |
| * | 1-644-126-11 | POWER SW BOARD (C625) | | | | | |
| | | ***** | | | | | |
| | | < CAPACITOR > | | | | | |
| C704 | 1-161-494-00 | CERAMIC | 0.022u 25V (C525) | | | | |
| | | < CONNECTOR > | | | | | |
| * CN702 | 1-568-945-11 | PIN, CONNECTOR 7P (C525) | | | | | |
| * CN702 | 1-568-943-11 | PIN, CONNECTOR 5P (C625) | | | | | |
| | | < IC > | | | | | |
| IC701 | 8-741-100-48 | IC | SBX1610-59 (C525) | | | | |
| | | < RESISTOR > | | | | | |
| R701 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | | | | |
| R702 | 1-249-420-11 | CARBON | 1.8K 5% 1/4W | | | | |
| R703 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W | | | | |
| R704 | 1-249-415-11 | CARBON | 680 5% 1/4W | | | | |
| R705 | 1-247-828-11 | CARBON | 750 5% 1/4W | | | | |
| | | < VARIABLE RESISTOR > | | | | | |
| R706 | 1-249-416-11 | CARBON | 820 5% 1/4W | | | | |
| R707 | 1-249-417-11 | CARBON | 1K 5% 1/4W | | | | |
| R708 | 1-247-834-11 | CARBON | 1.3K 5% 1/4W | | | | |
| | | < SWITCH > | | | | | |
| S701 | 1-554-303-21 | SWITCH, TACTILE (REPEAT (PLAY MODE)) | | | | | |
| S702 | 1-554-303-21 | SWITCH, TACTILE (PROGRAM(PLAY MODE)) | | | | | |
| S703 | 1-554-303-21 | SWITCH, TACTILE (SHUFFLE(PLAY MODE)) | | | | | |
| S704 | 1-554-303-21 | SWITCH, TACTILE (CONTINUE) | | | | | |
| S705 | 1-554-303-21 | SWITCH, TACTILE (DISC 5) | | | | | |
| S706 | 1-554-303-21 | SWITCH, TACTILE (DISC 4) | | | | | |
| S707 | 1-554-303-21 | SWITCH, TACTILE (DISC 3) | | | | | |
| S708 | 1-554-303-21 | SWITCH, TACTILE (DISC 2) | | | | | |
| S709 | 1-554-303-21 | SWITCH, TACTILE (DISC 1) | | | | | |
| S710 | 1-572-714-11 | SWITCH, PUSH (POWER) (C525) | | | | | |
| S710 | 1-572-714-11 | SWITCH, PUSH (POWER) (C625) | | | | | |
| ***** | | | | | | | |
| * | 1-644-128-11 | DSP BOARD (C625) | | | | | |
| | | ***** | | | | | |
| * | 4-952-230-01 | HOLDER (LED) | | | | | |
| | | < CONNECTOR > | | | | | |
| | | < CAPACITOR > | | | | | |
| C801 | 1-161-494-00 | CERAMIC | 0.022uF 25V | | | | |
| | | < CONNECTOR > | | | | | |
| * CN800 | 1-691-188-11 | CONNECTOR, BOARD TO BOARD 18P | | | | | |
| | | < DIODE > | | | | | |
| D801 | 8-719-301-52 | LED | SEL2810A-C | | | | |
| D802 | 8-719-301-52 | LED | SEL2810A-C | | | | |
| D803 | 8-719-301-52 | LED | SEL2810A-C | | | | |
| D804 | 8-719-301-52 | LED | SEL2810A-C | | | | |
| D805 | 8-719-301-52 | LED | SEL2810A-C | | | | |
| | | < IC > | | | | | |
| D806 | 8-719-301-52 | LED | SEL2810A-C | | | | |
| D807 | 8-719-301-52 | LED | SEL2810A-C | | | | |
| IC801 | 8-741-100-48 | IC | SBX1610-59 | | | | |
| | | < RESISTOR > | | | | | |
| R806 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W | | | | |
| R807 | 1-249-420-11 | CARBON | 1.8K 5% 1/4W | | | | |
| R808 | 1-249-409-11 | CARBON | 220 5% 1/4W | | | | |
| | | < VARIABLE RESISTOR > | | | | | |
| RV801 | 1-241-514-11 | RES, VAR, CARBON 10K | | | | | |
| RV802 | 1-241-514-11 | RES, VAR, CARBON 10K | | | | | |
| | | < SWITCH > | | | | | |
| S801 | 1-554-303-21 | SWITCH, TACTILE (FLAT (DIGITAL SIGNAL PROCESSOR)) | | | | | |
| S802 | 1-554-303-21 | SWITCH, TACTILE (BGM (DIGITAL SIGNAL PROCESSOR)) | | | | | |
| S803 | 1-554-303-21 | SWITCH, TACTILE (LIVE ROOM(DIGITAL SIGNAL PROCESSOR)) | | | | | |
| S804 | 1-554-303-21 | SWITCH, TACTILE (DISCO (DIGITAL SIGNAL PROCESSOR)) | | | | | |
| S805 | 1-554-303-21 | SWITCH, TACTILE (STADIUM (DIGITAL SIGNAL PROCESSOR)) | | | | | |
| S806 | 1-554-303-21 | SWITCH, TACTILE (JAZZ CLUB(DIGITAL SIGNAL PROCESSOR)) | | | | | |
| S807 | 1-554-303-21 | SWITCH, TACTILE (CHURCH (DIGITAL SIGNAL PROCESSOR)) | | | | | |
| S808 | 1-554-303-21 | SWITCH, TACTILE (HALL (DIGITAL SIGNAL PROCESSOR)) | | | | | |
| ***** | | | | | | | |
| * | 1-644-129-11 | FUNCTION BOARD (C625) | | | | | |
| | | ***** | | | | | |
| | | < CONNECTOR > | | | | | |

FUNCTION HEADPHONE VOL HEADPHONE JACK TABLE MOTOR

LOADING MOTOR OPEN/UP SW DSP

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|--------------|-----------------------------------|--------------|----------|--------------|-------------------------------|------------------|
| * CN402 | 1-691-897-11 | CONNECTOR, FFC/FPC 19P | | ***** | | | |
| * CN471 | 1-691-187-11 | CONNECTOR, BOARD TO BOARD 18P | | ***** | | | |
| | | < RESISTOR > | | ***** | | | |
| R470 | 1-249-415-11 | CARBON | 680 5% 1/4W | * | 1-644-131-11 | HEADPHONE JACK BOARD | |
| R471 | 1-247-828-11 | CARBON | 750 5% 1/4W | | | ***** | |
| R472 | 1-249-416-11 | CARBON | 820 5% 1/4W | | | < CAPACITOR > | |
| R473 | 1-249-417-11 | CARBON | 1K 5% 1/4W | C701 | 1-162-291-31 | CERAMIC | 560PF 10% 50V |
| R474 | 1-247-834-11 | CARBON | 1.3K 5% 1/4W | C702 | 1-162-291-31 | CERAMIC | 560PF 10% 50V |
| | | | | C703 | 1-164-159-11 | CERAMIC | 0.1uF 50V |
| R476 | 1-249-415-11 | CARBON | 680 5% 1/4W | | | < JACK > | |
| R477 | 1-247-828-11 | CARBON | 750 5% 1/4W | J701 | 1-568-519-41 | JACK, LARGE TYPE (HEADPHONES) | |
| R478 | 1-249-416-11 | CARBON | 820 5% 1/4W | ***** | | | |
| R479 | 1-249-417-11 | CARBON | 1K 5% 1/4W | * | 1-644-132-11 | TABLE MOTOR BOARD | |
| R480 | 1-247-834-11 | CARBON | 1.3K 5% 1/4W | | | ***** | |
| | | | | | | < CAPACITOR > | |
| R481 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W | C704 | 1-161-375-00 | CERAMIC | 0.0022uF 20% 50V |
| R482 | 1-249-420-11 | CARBON | 1.8K 5% 1/4W | | | < CONNECTOR > | |
| R483 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | * CN707 | 1-573-044-11 | SOCKET, CONNECTOR 5P | |
| R484 | 1-249-422-11 | CARBON | 2.7K 5% 1/4W | | | < DIODE > | |
| | | < SWITCH > | | D701 | 8-719-970-19 | DIODE | GP-1A521 |
| S470 | 1-554-303-21 | SWITCH, TACTILE (10) | | | | < RESISTOR > | |
| S471 | 1-554-303-21 | SWITCH, TACTILE (9) | | R701 | 1-249-416-11 | CARBON | 820 5% 1/4W |
| S472 | 1-554-303-21 | SWITCH, TACTILE (8) | | ***** | | | |
| S473 | 1-554-303-21 | SWITCH, TACTILE (7) | | * | 1-644-133-11 | LOADING MOTOR BOARD | |
| S474 | 1-554-303-21 | SWITCH, TACTILE (6) | | | | ***** | |
| | | | | | | < CAPACITOR > | |
| S475 | 1-554-303-21 | SWITCH, TACTILE (PEAK SERCH) | | C705 | 1-161-375-00 | CERAMIC | 0.0022uF 20% 50V |
| S476 | 1-554-303-21 | SWITCH, TACTILE (5) | | ***** | | | |
| S477 | 1-554-303-21 | SWITCH, TACTILE (4) | | * | 1-644-134-11 | OPEN/UP SW BOARD | |
| S478 | 1-554-303-21 | SWITCH, TACTILE (3) | | | | ***** | |
| S479 | 1-554-303-21 | SWITCH, TACTILE (2) | | | | < SWITCH > | |
| | | | | S702 | 1-571-300-21 | SWITCH, ROTARY (OPEN/UP) | |
| S480 | 1-554-303-21 | SWITCH, TACTILE (1) | | ***** | | | |
| S481 | 1-554-303-21 | SWITCH, TACTILE (10) | | * | 1-644-137-11 | DSP BOARD (C525) | |
| S482 | 1-554-303-21 | SWITCH, TACTILE (FADER) | | | | ***** | |
| S483 | 1-554-303-21 | SWITCH, TACTILE (CLEAR) | | | | < CONNECTOR > | |
| S484 | 1-554-303-21 | SWITCH, TACTILE (CHECK) | | ***** | | | |
| | | | | | | | |
| S485 | 1-554-303-21 | SWITCH, TACTILE (EDIT/TIME FADER) | | | | | |
| ***** | | | | | | | |
| * | 1-644-130-11 | HEADPHONE VOL BOARD | | | | | |
| | | ***** | | | | | |
| | | < CAPACITOR > | | | | | |
| C706 | 1-161-494-00 | CERAMIC | 0.022uF 25V | | | | |
| | | < CONNECTOR > | | | | | |
| * CN702 | 1-691-892-11 | CONNECTOR, FFC/FPC 13P | | | | | |
| | | < VARIABLE RESISTOR > | | | | | |
| RV701 | 1-241-919-11 | RES, VAR CARBON 10K/10K (VOLUME) | | | | | |

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|---------------|--------------|---|--------------|---------------------------------|---|--|--------|
| * CN800 | 1-691-963-11 | CONNECTOR, BOARD TO BOARD 14P (DIODE) | | M102 | X-4917-523-3 | BASE (OUTSERT) ASSY (SPINDLE) | |
| D801 | 8-719-301-52 | LED | SEL2810A-C | M701 | A-4604-585-A | MOTOR ASSY, ROTARY (TABLE) | |
| D802 | 8-719-301-52 | LED | SEL2810A-C | M702 | A-4604-834-A | MOTOR ASSY, LOADING | |
| D803 | 8-719-301-52 | LED | SEL2810A-C | S101 | 1-572-085-11 | SWITCH, LEAF (LIMIT IN) | |
| D804 | 8-719-301-52 | LED | SEL2810A-C | △S201 | 1-571-722-11 | SWITCH, VOLTAGE SELECTION (C525:E) | |
| D805 | 8-719-301-52 | LED | SEL2810A-C | S701 | 1-572-713-11 | SWITCH, PUSH (WITH CONNECTOR) (DOWN) | |
| | | (RESISTOR) | | △T901 | 1-449-955-11 | TRANSFORMER, POWER (C525:AEP, Australian) | |
| R801 | 1-249-415-11 | CARBON | 680 5% 1/4W | △T901 | 1-449-956-11 | TRANSFORMER, POWER (C525:E) | |
| R802 | 1-247-828-11 | CARBON | 750 5% 1/4W | △T901 | 1-450-876-11 | TRANSFORMER, POWER (C525:US, Canadian/C625) | |
| R803 | 1-249-416-11 | CARBON | 820 5% 1/4W | ***** | | | |
| R804 | 1-249-417-11 | CARBON | 1K 5% 1/4W | ACCESSORIES & PACKING MATERIALS | | | |
| R805 | 1-247-834-11 | CARBON | 1.3K 5% 1/4W | ***** | | | |
| R808 | 1-249-409-11 | CARBON | 220 5% 1/4W | 1-465-729-11 | REMOTE COMMANDER | | |
| | | (SWITCH) | | 1-558-271-11 | CORD, CONNECTION | | |
| S801 | 1-554-303-21 | SWITCH, TACTILE (FLAT (DIGITAL SIGNAL PROCESSOR)) | | 3-707-584-01 | COVER, BATTERY | | |
| S804 | 1-554-303-21 | SWITCH, TACTILE (DISCO (DIGITAL SIGNAL PROCESSOR)) | | 3-754-917-11 | MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, PORTUGUESE) (C525:AEP, E) | | |
| S805 | 1-554-303-21 | SWITCH, TACTILE (STADIUM (DIGITAL SIGNAL PROCESSOR)) | | 3-754-917-21 | MANUAL, INSTRUCTION (ENGLISH) (C525:US, Canadian, Australian/C625) | | |
| S806 | 1-554-303-21 | SWITCH, TACTILE (JAZZ CLUB (DIGITAL SIGNAL PROCESSOR)) | | 3-754-917-31 | MANUAL, INSTRUCTION (FRENCH) (C525:Canadian/C625:Canadian) | | |
| S807 | 1-554-303-21 | SWITCH, TACTILE (CHURCH (DIGITAL SIGNAL PROCESSOR)) | | 3-754-917-41 | MANUAL, INSTRUCTION (GERMAN, DUTCH, SWEDISH, ITALIAN) (C525:AEP) | | |
| S808 | 1-554-303-21 | SWITCH, TACTILE (HALL (DIGITAL SIGNAL PROCESSOR)) | | 3-754-917-71 | MANUAL, INSTRUCTION (DANISH, FINNISH) (C525:AEP) | | |
| ***** | | | | 4-937-945-01 | PLATE (TRANSPORT), LOCK | | |
| MISCELLANEOUS | | | | * 4-941-548-01 | LABEL, CLASS 1 (C525:AEP, E, Australian) | | |
| ***** | | | | * 4-944-110-01 | CUSHION (FRONT) | | |
| 13 | 1-690-933-11 | WIRE (FLAT TYPE) (32 CORE) | | * 4-944-111-01 | CUSHION (REAR) | | |
| 14 | 1-690-934-11 | WIRE (FLAT TYPE) (13 CORE) | | * 4-949-235-01 | HOOK | | |
| 19 | 1-690-931-11 | WIRE (FLAT TYPE) (19 CORE) (C625) | | * 4-951-752-21 | INDIVIDUAL CARTON (C525) | | |
| 21 | 1-690-932-11 | WIRE (FLAT TYPE) (15 CORE) (C525) | | * 4-951-752-31 | INDIVIDUAL CARTON (C625) | | |
| * 53 | 1-452-538-11 | MAGNET | | * 4-952-391-01 | INDIVIDUAL CARTON (C625) | | |
| 56 | 1-590-849-11 | WIRE, FLAT TYPE (5 CORE) | | * 4-952-392-01 | INDIVIDUAL CARTON (C525) | | |
| 104 | 1-694-003-11 | JAMPER, FILM (WITH TARMINAL) | | ***** | | | |
| △116 | 1-558-943-41 | CORD, POWER (C525:E) | | HARDWARE LIST | | | |
| △116 | 1-574-358-31 | CORD, POWER (WITH CONNECTOR) (C525: Australian) | | ***** | | | |
| △116 | 1-575-651-21 | CORD, POWER (C525:AEP) | | #1 | 7-621-255-15 | SCREW +P 2X3 | |
| △116 | 1-590-836-11 | CORD, POWER (C525:US, Canadian/C625) | | #2 | 7-682-548-04 | SCREW +BVTT 3X8 (S) | |
| △117 | 1-569-007-11 | ADAPTER, CONVERSION 2P (C525:E) | | #3 | 7-682-554-04 | SCREW +B 3X25 | |
| △151 | 8-848-144-11 | DEVICE, OPTICAL KSS-240A | | #4 | 7-682-661-09 | SCREW +PSW 4X8 | |
| 152 | 1-575-001-11 | WIRE, FLAT TYPE (12 CORE) | | #5 | 7-685-136-19 | SCREW +P 2. 6X12 TYPE2 NON-SLIT | |
| M101 | X-4917-504-1 | MOTOR ASSY (SLED) | | #6 | 7-685-646-79 | SCREW +BVTP 3X8 TYPE2 N-S | |
| | | | | #7 | 7-685-647-79 | SCREW, TAPPING | |

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