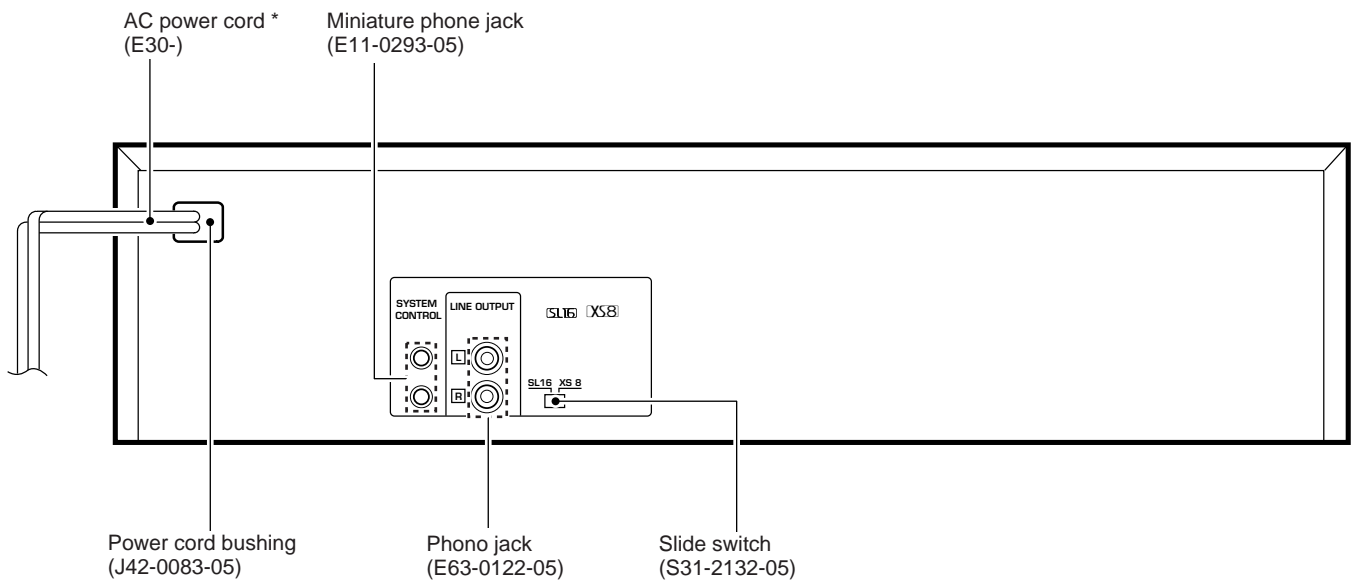
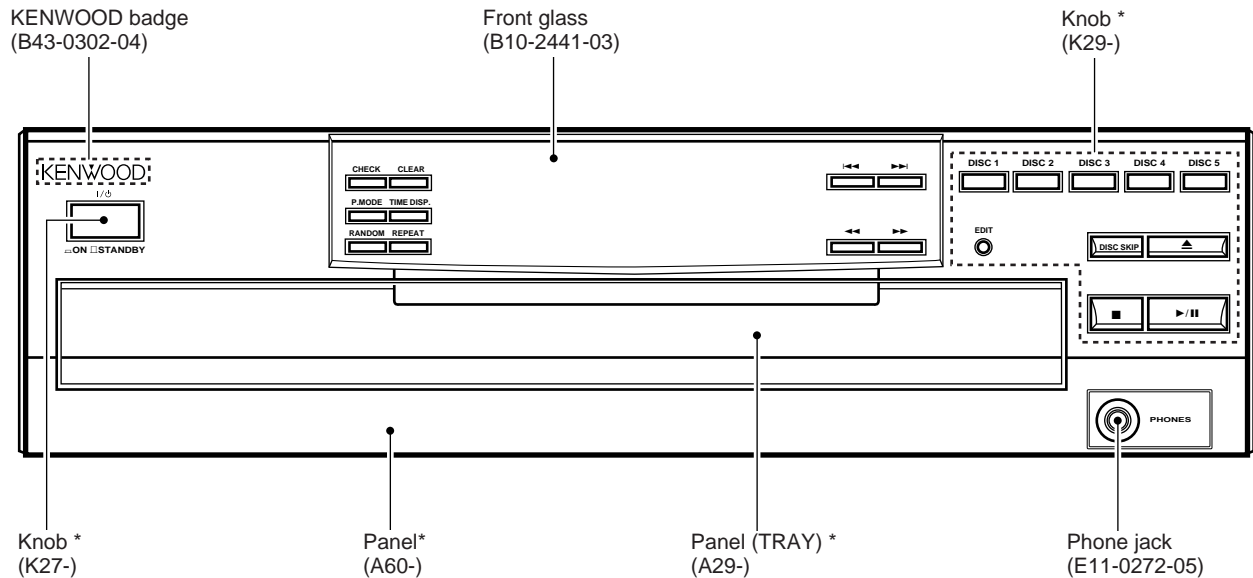


CD-203/DPF-R3010/DPF-R3010E CD-204/DPF-R4010/DPF-R4010E SERVICE MANUAL



Illust is CD-204/DPF-R4010/DPF-R4010E.

* Refer to parts list on page 16.

In compliance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety.

KENWOOD-Crop. certifies this equipment conforms to DHHS Regulations No. 21 DFR 1040. 10, Chapter 1, Subchapter J.

**DANGER : Laser radiation when open and interlock defeated.
AVOID DIRECT EXPOSURE TO BEAM**

Refer to 103CD/104CD/1050CD, DP-R797/R3090/R4090 (B51-5269-00) if you require circuit description and block diagram in detail.

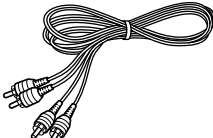
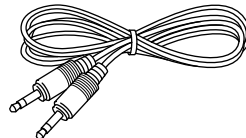
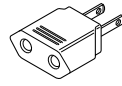
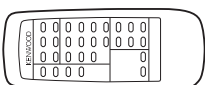
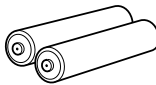


CONTENTS / ACCESSORIES

Contents

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| CIRCUIT DESCRIPTION | 3 | EXPLODED VIEW | 14 |
| ADJUSTMENT | 5 | PARTS LIST | 16 |
| PC BOARD | 6 | SPECIFICATIONS | Back cover |

Accessories

| | | |
|---|--|--|
| <p>Audio cord (1) (E30-0505-05)</p>  | <p>System control cord (1) (E30-2816-05)</p>  | <p>AC plug adapter (1) (E03-0115-05) DPF-R3010/R4010 : M type only</p>  |
| <p>Remote control unit (1) (A70-1128-05) : RC-P0504 CD-204/DPF-R4010/DPF-R4010E only</p>  | <p>Batteries (R6/AA) (2) CD-204/DPF-R4010/DPF-R4010E only</p>  | |

Battery cover: (A09-0356-08)

HOW TO READ THE PARTS LIST

ABBREVIATION OF MODEL AND MASS PRODUCTION'S DESTINATIONS

| MODEL | ABB. | Australia | Canada | China | England | Europe | Germany | Korea | Malaysia |
|------------|------|-----------|--------|-------|---------|--------|---------|-------|----------|
| CD-203 | - | - | P3 | - | - | - | - | - | - |
| DPF-R3010 | - | X3 | - | - | T3 | E3 | - | - | - |
| DPF-R3010E | - | - | - | - | - | E4 | - | - | - |
| CD-204 | - | - | P1 | - | - | - | - | - | - |
| DPF-R4010 | - | X1 | - | - | T1 | E1 | - | - | - |
| DPF-R4010E | - | - | - | - | - | E2 | - | - | - |

| MODEL | ABB. | Mexico | PX/AAFES | Russia | Scandinavia | Shanghai | USA | Other area | |
|------------|------|--------|----------|--------|-------------|----------|-----|------------|---|
| CD-203 | - | - | - | - | - | - | K3 | - | - |
| DPF-R3010 | - | - | Y3 | - | - | - | - | M3 | - |
| DPF-R3010E | - | - | - | - | - | - | - | - | - |
| CD-204 | - | - | - | - | - | - | K1 | - | - |
| DPF-R4010 | - | - | Y1 | - | - | - | - | M1 | - |
| DPF-R4010E | - | - | - | - | - | - | - | - | - |

CIRCUIT DESCRIPTION

1. Pin description

| Pin No. | Name | I/O | Function | |
|---------|----------------|-----|---|--------------|
| 1~7 | 7G~1G | O | Display digit control (Grid7~Grid1) | |
| 8 | VDD | | Power supply (+5V) | |
| 9 | SQCK | O | Q data reading clock output | |
| 10 | NC | O | Unused | |
| 11 | SUBQ | I | Q data input | |
| 12~15 | KR3~KR0 | I | Key return 3~0 | |
| 16 | NC | I | Unused | |
| 17 | RESET | I | Reset input | L : RESET |
| 18 | SLT SW | I | CDM25 start limit switch input | L : SW ON |
| 19 | DOWN SW | I | CDM25 mechanism down switch input | L : SW ON |
| 20 | AVSS | I | Unused (connected to VSS) | |
| 21 | UP SW | I | CDM25 mechanism up switch input | L : SW ON |
| 22 | CLOSE SW | I | CDM25 close switch input | L : SW ON |
| 23 | OPEN SW | I | CDM25 open switch input | L : SW ON |
| 24 | OPEN M | O | Open motor control | H : ACTIVE |
| 25 | CLOSE M | O | Close motor control | H : ACTIVE |
| 26 | RTRAY R | O | Rotary tray motor control (CW) | H : ACTIVE |
| 27 | RTRAY L | O | Rotary tray motor control (CCW) | H : ACTIVE |
| 28 | RTRAY S | O | Rotary tray motor control (deceleration) | H : ACTIVE |
| 29 | AVDD | | Unused (connected to VDD) | |
| 30 | AVREF | | Unused (connected to VSS) | |
| 31 | NC | I | Unused | |
| 32 | XT2 | | Unused (OPEN) | |
| 33 | VSS | | GND | |
| 34 | X1 | I | System clock input | |
| 35 | X2 | | Unused | |
| 36 | DSENSE | I | CDM25 disc sensor detection | |
| 37 | PSNSE | I | CDM25 position sensor detection | |
| 38 | LDC | O | Laser signal output | L : LASER ON |
| 39 | FOK | I | FOK signal input | H : FOCUS ON |
| 40 | D.R.I.V.E | I | Unused | |
| 41 | SERIAL SW | I | Serial communication 8 (XS8)/16(SL16) bit changover | H : 16 BIT |
| 42 | SDATA | I/O | System serial data signal input output | |
| 43 | BUSY | I/O | System serial busy signal input output | |
| 44 | SCOR | I | Sub code frame sync detection | |
| 45 | MON | O | Focus drug countermeasure circuit control | |
| 46 | MUTG | O | Digital mute control | H : MUTE ON |
| 47 | REM | I | Remote control signal input | |
| 48 | VPP | | GND | |
| 49 | SENSE | I | Sense input from CXD2507AQ | |
| 50 | DTA | O | Data output for CXD2507AQ | |
| 51 | CLK | O | Clock output for CXD2507AQ | |
| 52 | VDD | | Power supply (+5V) | |
| 53,54 | DEFECT SEL./NC | I | Unused | |
| 55 | LAT | O | Latch output for CXD2507AQ | |
| 56 | GFS | I | Frame signal input | |
| 57 | RMUTE | O | Analog mute control | L : MUTE ON |
| 58 | MDT | O | Attenuater data output | |
| 59 | MCK | O | Attenuater clock output | |
| 60 | MEL | O | Attenuater latch output | |
| 61~70 | Sp~Sg/KS | O | Display segment control (Seg p~Seg g) / Key scan | |
| 71 | VLOAD | | Display drive negative power supply (-35V) | |
| 72~77 | Sf~Sa/KS | O | Display segment control (Seg f~Seg a) / Key scan | |
| 78~80 | 10G~8G | O | Display digit control (Grid10~Grid8) | |

CIRCUIT DESCRIPTION

2. Test mode

2-1. Setting the test mode

- The microprocessor built in the unit can be put to TEST MODE by just pressing the TIME DISP. key when set to power on.
- DP-R series is available to set to each test mode by each key.

2-2. Key vs Function in test mode

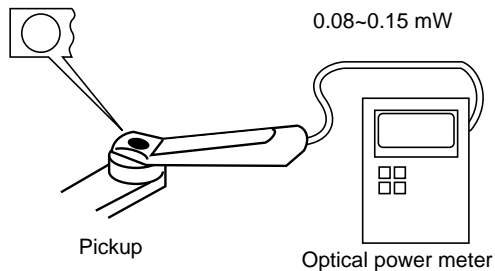
| Step | Key name | Display | Description | |
|------|------------------------|---------|--|----------------------------------|
| 1 | PLAY/PAUSE (Cyclic) | 03 | (1) Focus servoON (2) Tracking servoOFF (3) Feed servoOFF | TE-B adjustment |
| | | 05 | (1) Focus servoON (2) Tracking servoON (3) Feed servoON | F-GAIN/T-GAIN FE-B adjustment |
| 2 | UP | | Display goes on | |
| 3 | DOWN | | Display goes off | |
| 4 | DISC1 | | Search the position of No. 1 | |
| 5 | STOP | 00 | (1) Focus servoOFF (2) Tracking servoOFF (3) Feed servoOFF | Waiting key input |
| 6 | DISC2 | - | Canceled Test mode | Normal mode |
| 7 | DISC3 | 01 | Canceled Test mode, then 01 PLAY | Normal mode |

ADJUSTMENT

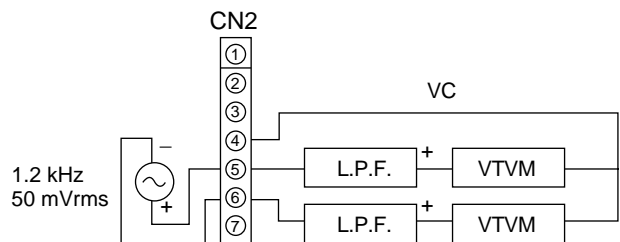
| No. | ITEM | INPUT SETTINGS | OUTPUT SETTINGS | PLAYER SETTINGS | ALIGNMENT POINTS | ALIGN FOR | FIG. |
|---|------------------------|--|--|---|-------------------|---|------|
| Open the tray (Normal mode), then turn the power off. | | | | | | | |
| 1 | LASER POWER | — | Apply the sensor section of optical power meter on the pickup lens. | While pressing the TIME DISP. key, turn the AC ON. (Test mode) Press the PLAY/PAUSE key, then confirm that the display is "03". | — | On the power from 0.08 to 0.15 mW, when the diffraction grating is correctly aligned with the RF level of 1.0 Vp-p or more. | (a) |
| 1. Press the STOP key. 2. Press the OPEN key. 3. Load a disc, then press the CLOSE key. 4. Press the PLAY key. 5. Press the OPEN key to open the tray. 6. Turn the power off. (Player stops as the tray is opened while the disc clamped.) 7. While pressing the TIME DISP. key, turn the power ON to enter the Test mode. | | | | | | | |
| 2 | TRACKING ERROR BALANCE | Test disc Type 4 | Connect an oscilloscope as follows. CH1 : RF (CN2 pin 1) CH2 : TE1 (CN2 pin 6) | Press the PLAY/PAUSE key, then confirm that the display is "03". | TE BALANCE VR2 | Symmetry between upper and lower patterns | |
| 3 | FOCUS ERROR BALANCE | Test disc Type 4 | Connect an oscilloscope as follows. CH1 : RF (CN2 pin 1) CH2 : TE1 (CN2 pin 6) | Press the PLAY/PAUSE key, then confirm that the display is "05". | FE BALANCE VR1 | Optimum eye pattern | |
| 4 | TRACKING GAIN | Test disc Type 4 Apply signal of 1.2 kHz, 50mVrms to CN2 pin 5-6. | Connect a LPF to CN2 pin 5-6 to which you connect an oscilloscope or AC voltmeters. | Press the PLAY/PAUSE key, then confirm that the display is "05". | TRACKING GAIN VR3 | Two VTVMs should read the same value. | (e) |

Note:
 Type 4 disc : SONY YEDS-18 Test Disc or equivalent.
 LPF: Around 47 kΩ+ 390 pF or so.
 Step 1-4 are in Test Mode.

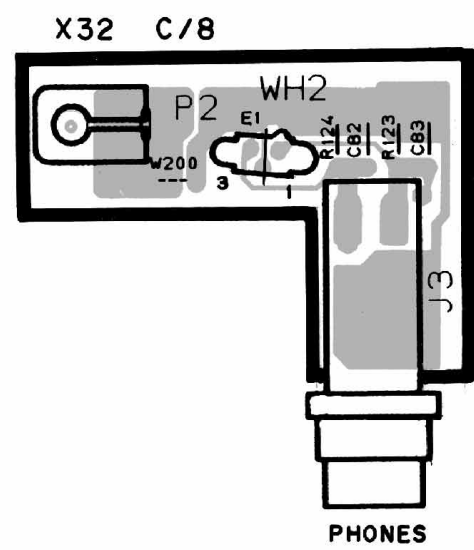
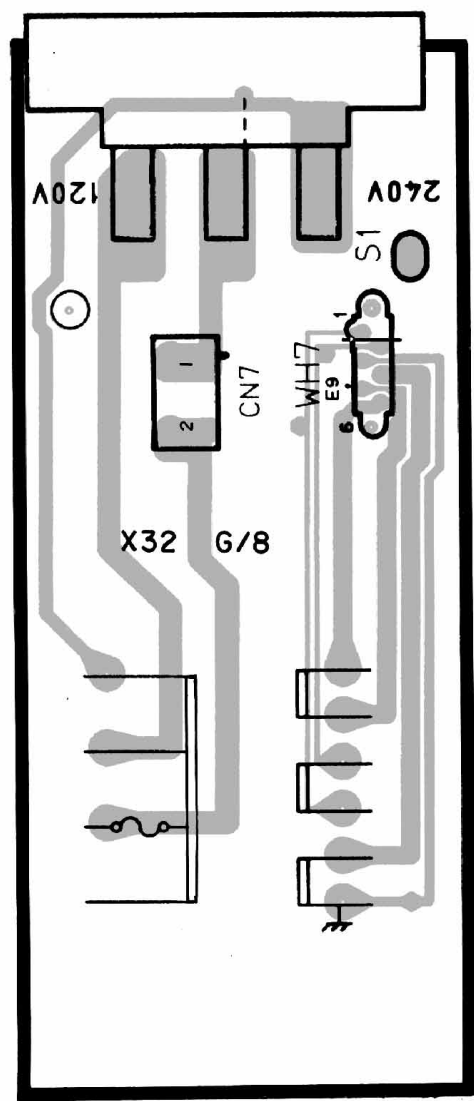
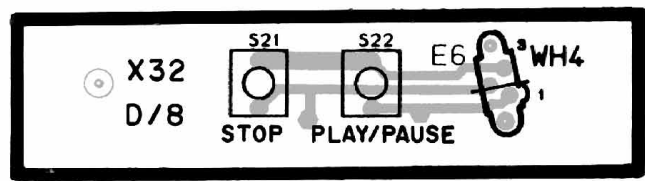
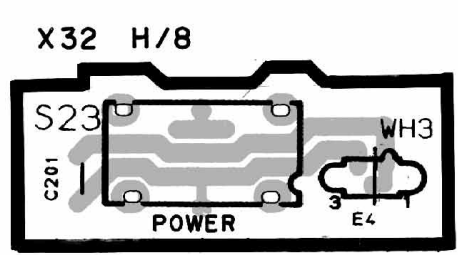
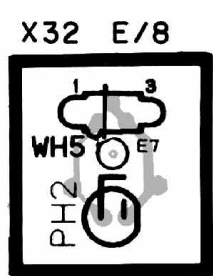
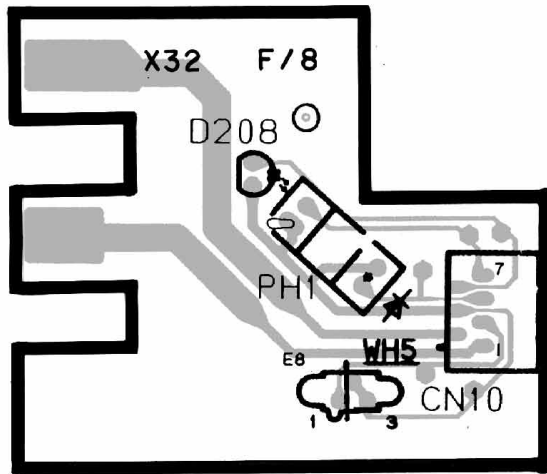
(a) Laser power



(e) Tracking gain



PC BOARD (Component side view)



PHONES

Refer to the schematic diagram for the value of resistors and capacitors.

PC BOARD(Component side view)

X32-363X-XX

0-10 : CD-204 (K,P)

0-11 : CD-203 (K,P)

0-21 : DPF-R4010 (Y,M)

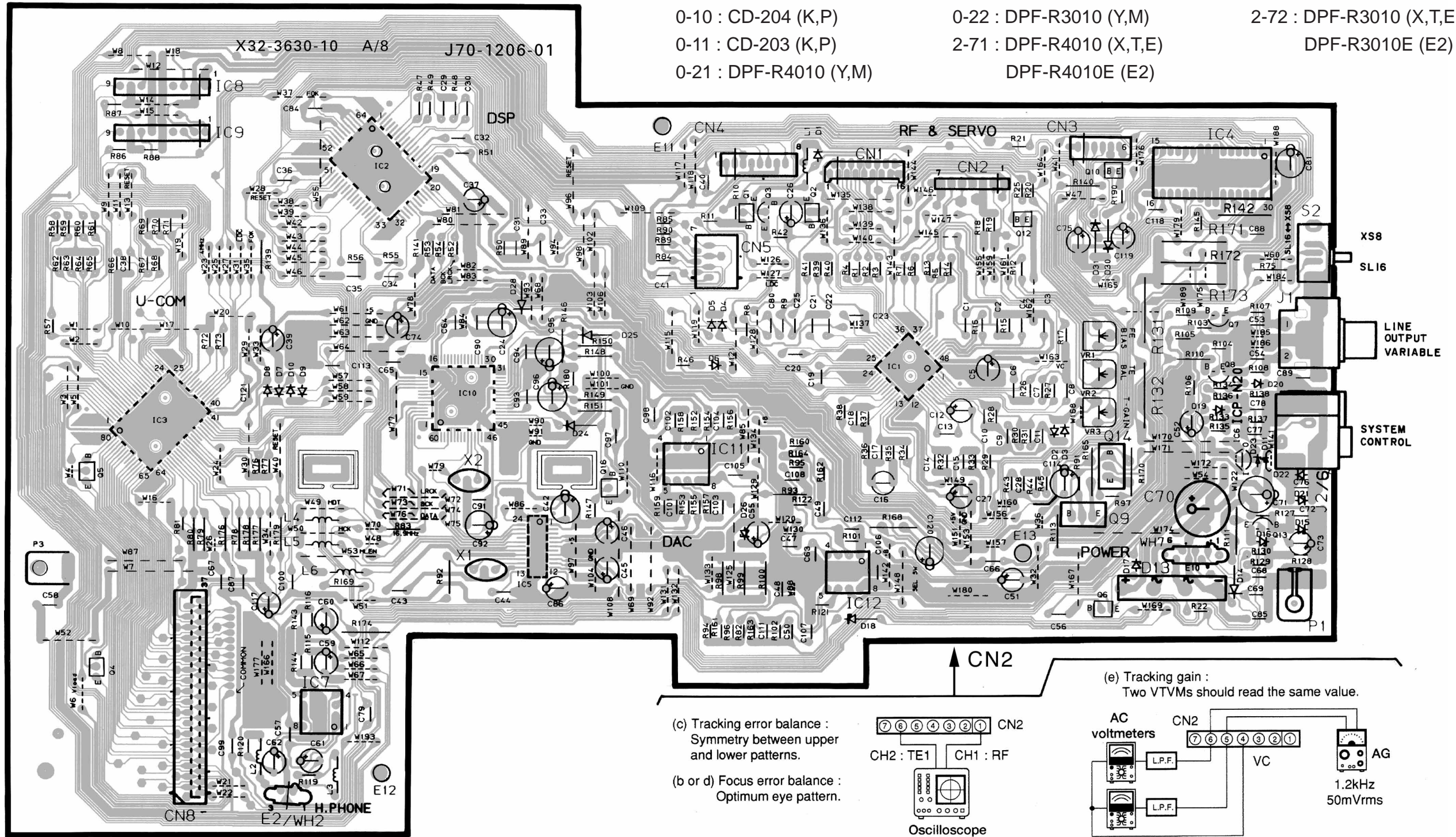
0-22 : DPF-R3010 (Y,M)

2-71 : DPF-R4010 (X,T,E)

DPF-R4010E (E2)

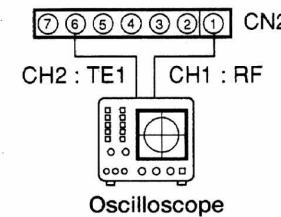
2-72 : DPF-R3010 (X,T,E)

DPF-R3010E (E2)

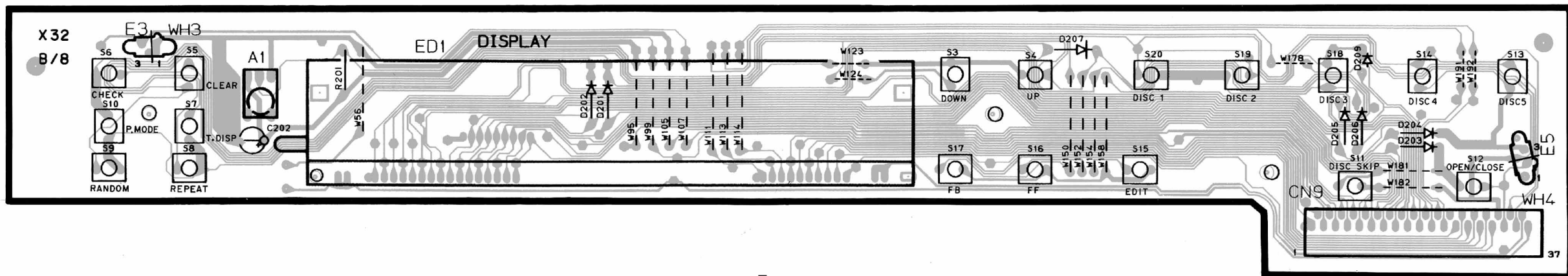
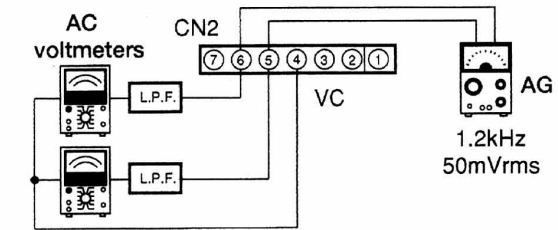


(c) Tracking error balance :
Symmetry between upper
and lower patterns.

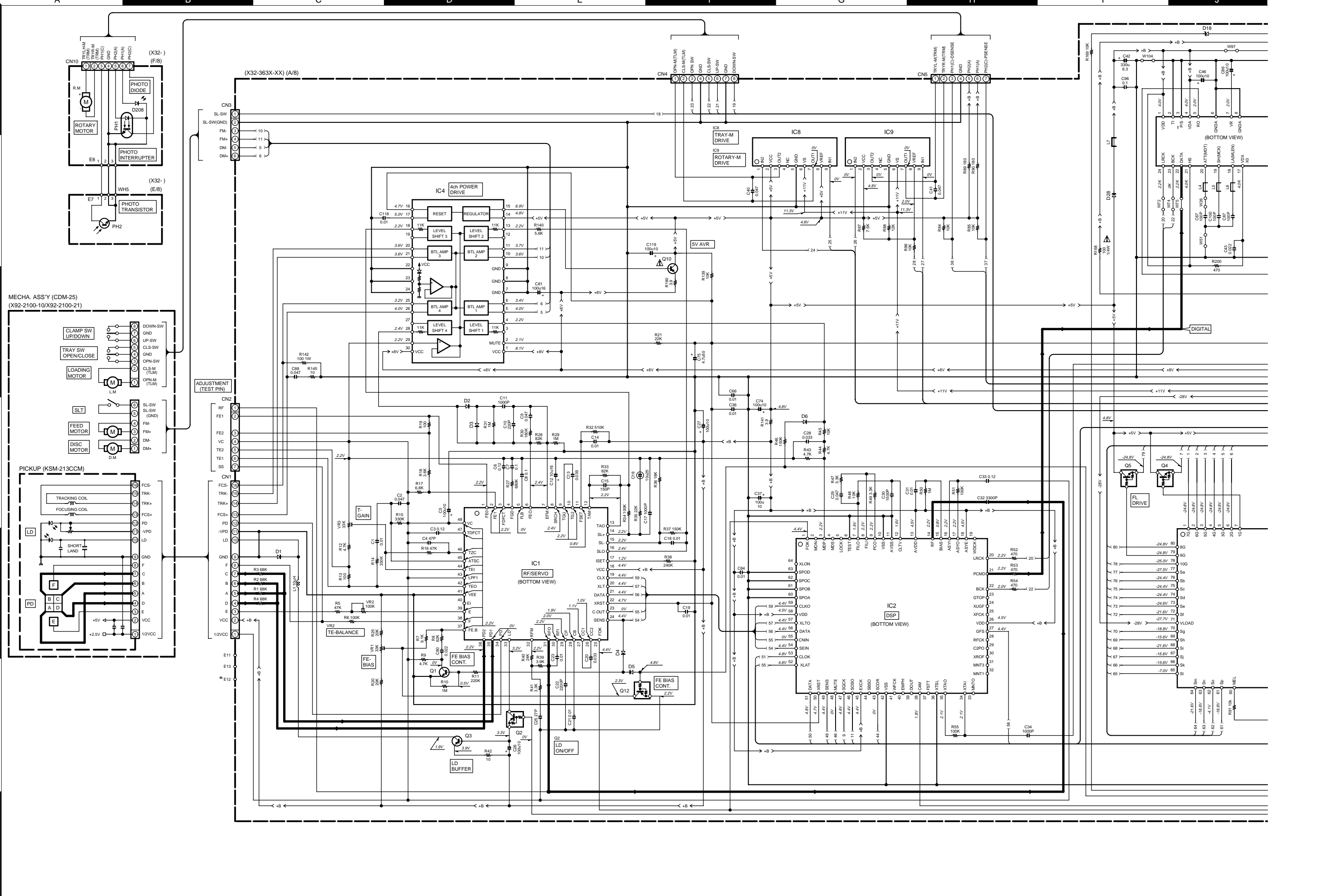
(b or d) Focus error balance :
Optimum eye pattern.



(e) Tracking gain :
Two VTVMs should read the same value.



Refer to the schematic diagram for the value of resistors and capacitors.



2

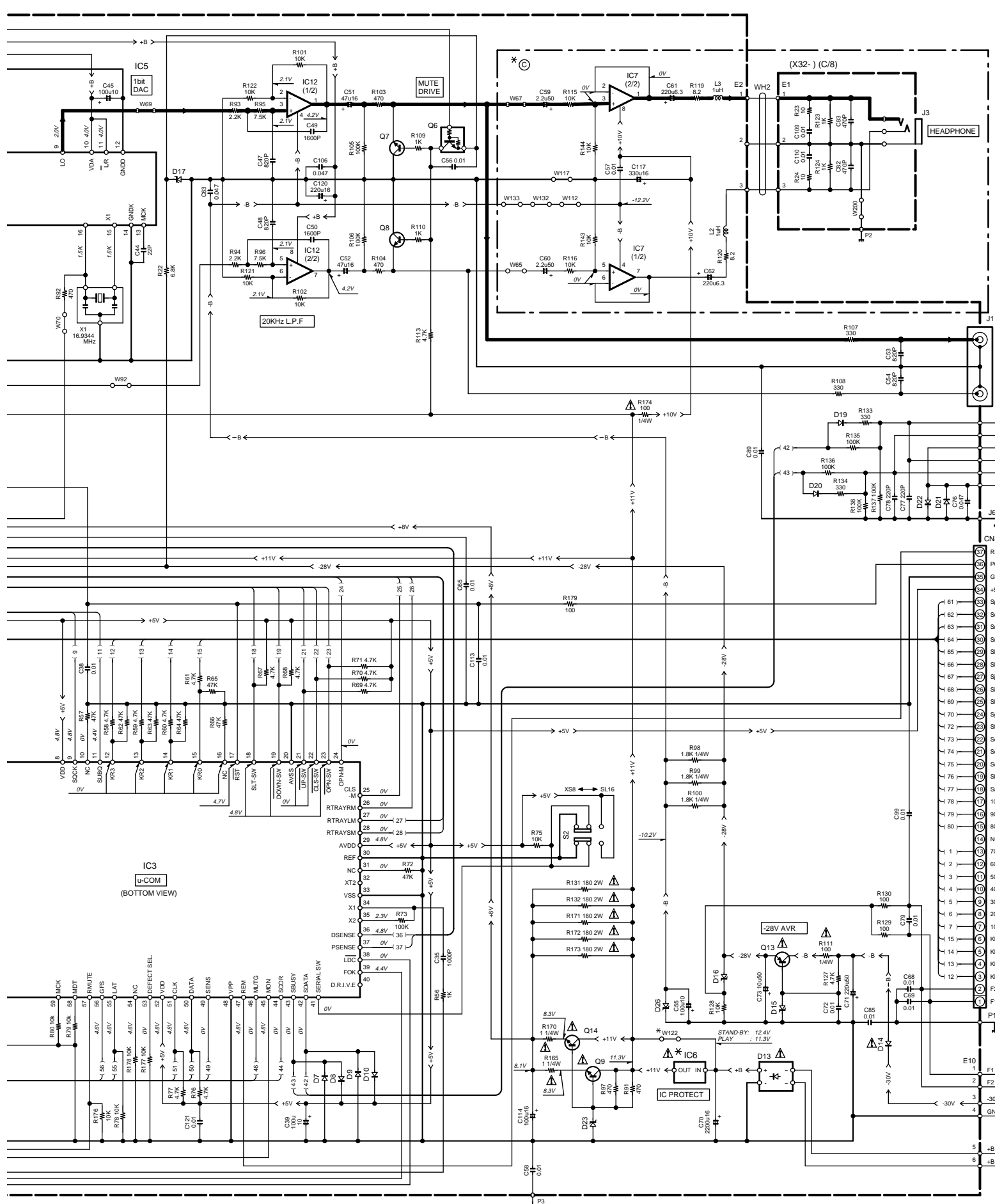
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4

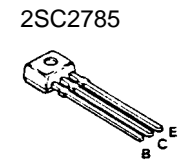
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6

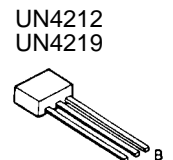
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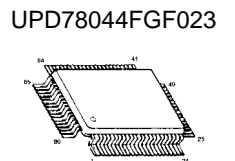
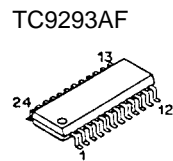
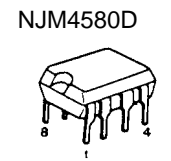
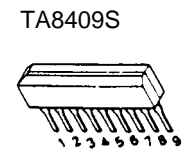
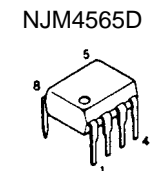
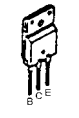
2SA1534A
2SA954
2SA992
2SC2878



DTA124ESA
DTC124ESA
UN4112
2SC1740S



2SD2012



CD-203 (X32-3630-11)

| DESTINATION | COUNTRY | ABB | UNIT No. | IC6 | S1 | E12 | W122 | W187 |
|-------------|---------|-----|----------|-----|----|-----|------|------|
| U.S.A. | K | | 0-11 | NO | NO | NO | NO | YES |
| CANADA | P | | | | | | | |

DPF-R3010(X32-363X-XX)

| DESTINATION | COUNTRY | ABB | UNIT No. | IC6 | S1 | E12 | W122 | W187 |
|-------------|---------|-----|----------|-----|-----|-----|------|------|
| U.S.A. | K | | 0-22 | NO | YES | NO | NO | NO |
| AUSTRALIA | X | | | | | | | |
| U.K. | T | | 2-72 | NO | NO | NO | NO | YES |
| EUROPE | E | | | | | | | |

CD-204 (X32-3630-11)

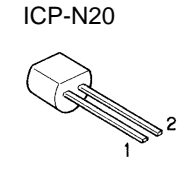
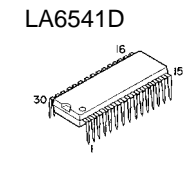
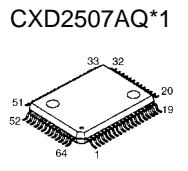
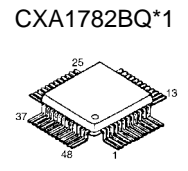
| DESTINATION | COUNTRY | ABB | UNIT No. | IC6 | S1 | E12 | W122 | W187 |
|-------------|---------|-----|----------|-----|----|-----|------|------|
| U.S.A. | K | | 0-10 | YES | NO | NO | YES | YES |
| CANADA | P | | | | | | | |

DPF-R4010(X32-363X-XX)

| DESTINATION | COUNTRY | ABB | UNIT No. | IC6 | S1 | E12 | W122 | W187 |
|-------------|---------|-----|----------|-----|-----|-----|------|------|
| U.S.A. | K | | 0-21 | YES | YES | YES | NO | NO |
| AUSTRALIA | X | | | | | | | |
| U.K. | T | | 2-71 | NO | NO | NO | NO | YES |
| EUROPE | E | | | | | | | |

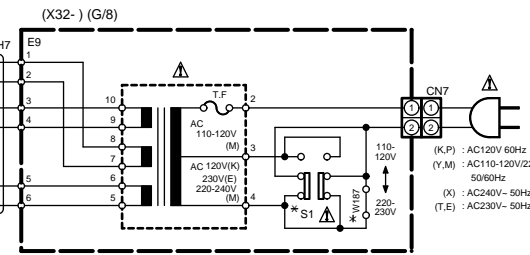
- IC1 : CXA1782BQ 1 *
- IC2 : CXD2507AQ 1 *
- IC3 : UPD78044FGF023
- IC4 : LA6541D
- IC5 : TC9293AF
- IC6 : ICP-N20
- IC7 : NJM4580D
- IC8,9 : TA8409S
- IC12 : NJM4565D
- Q1 : 2SC2785(F,E) or 2SC1740S(Q,R)
- Q2,12 : UN4112 or DTA124ESA
- Q3 : 2SA954(L,K)
- Q4,5 : UN4219 or DTC1132SA
- Q6 : UN4212 or DTC124ESA
- Q7,8 : 2SC2878(B)
- Q9,14 : 2SD2012
- Q10 : 2SA1534A
- Q13 : 2SA992(F,E)

- D1-10,19-22,28,201,207,209 : 1S133 or HSS104
- D13 : D3SBA20F03
- D14 : S5688B or 1SR139-400
- D15 : UZ-30BS or MTZJ30(B)
- D16,18 : UZ-5.6BSB or MTZJ5.6(B)
- D17 : UZ-4.7BSB or MTZJ4.7(B)
- D23 : UZ-8.2BSB or MTZJ8.2(B)
- D26 : UZ-10BSB or MTZJ10(B)
- D208 : SIR-335T3
- PH1 : T95-0145-05
- PH2 : RPT-38PT3F



CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter. The measurement value may vary depending on the measuring instruments used or on the product. Refer to the voltage during PLAY unless otherwise specified; The value shown in () is the voltage measured at the moment of STOP.

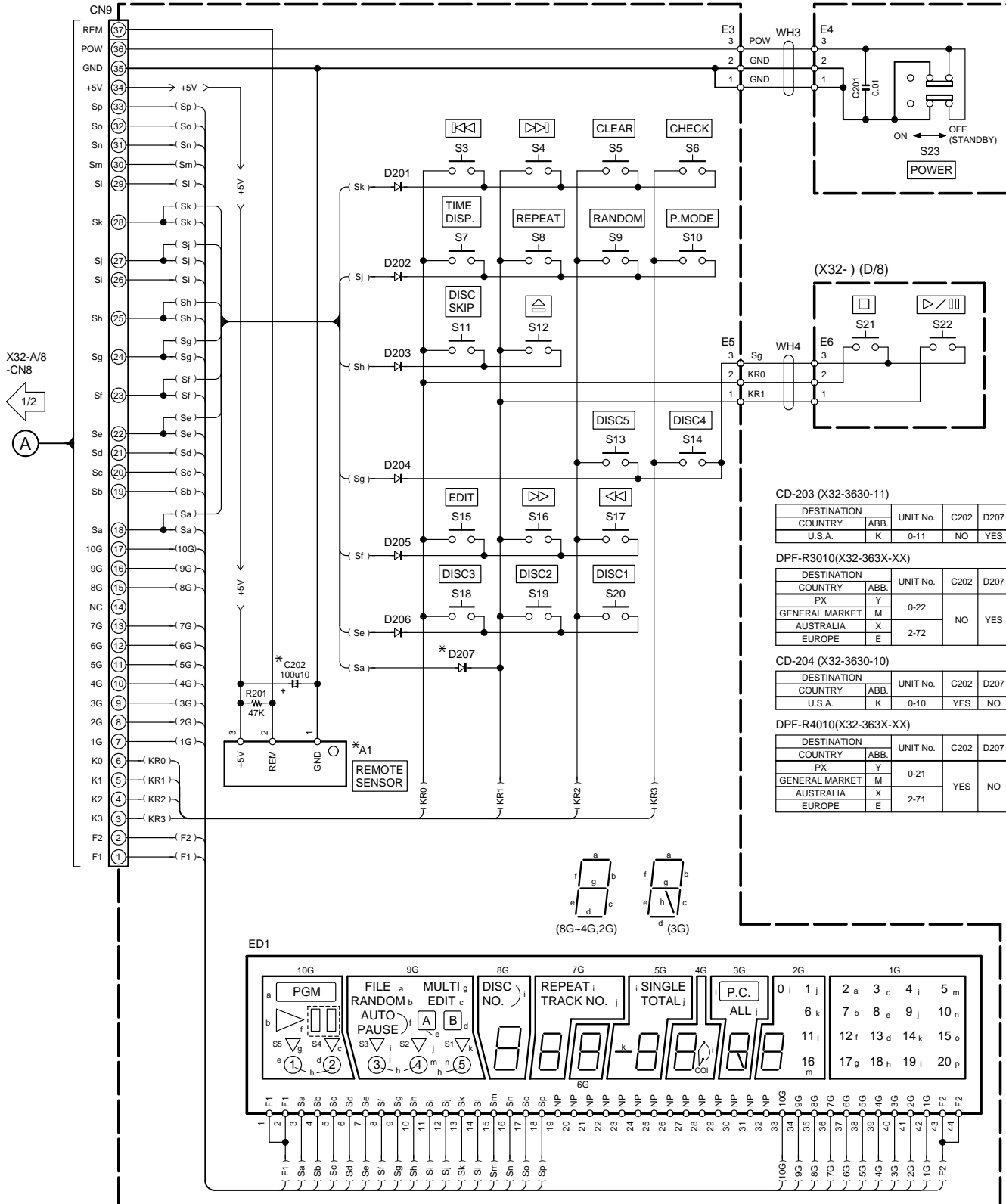


CD-203/204(K) (1/2)
DPF-R3010/R4010(M) (1/2)

CD-203/204/DPF-R3010/R3010E/R4010/R4010E

(X32-363X-XX) (B/8)

(X32-) (H/8)



(X32-) (D/8)

CD-203 (X32-3630-11)

| DESTINATION | COUNTRY | ABB. | UNIT No. | C202 | D207 | A1 |
|-------------|---------|------|----------|------|------|----|
| U.S.A. | K | | 0-11 | NO | YES | NO |

DPF-R3010(X32-363X-XX)

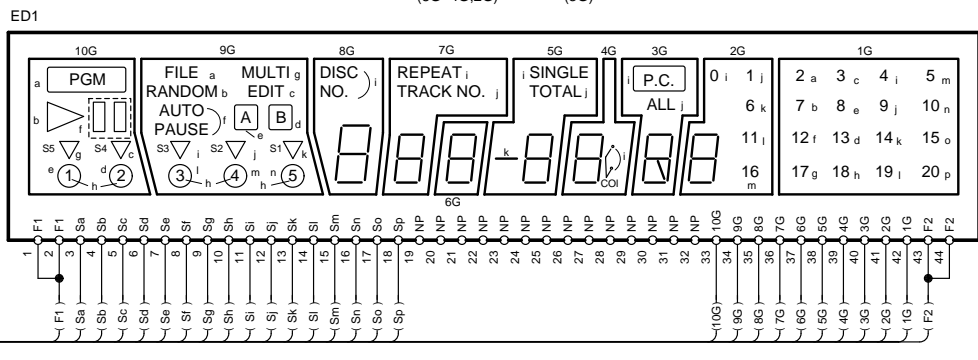
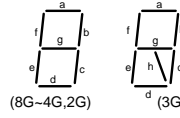
| DESTINATION | COUNTRY | ABB. | UNIT No. | C202 | D207 | A1 |
|----------------|---------|------|----------|------|------|----|
| PX | Y | | 0-22 | NO | YES | NO |
| GENERAL MARKET | M | | | | | |
| AUSTRALIA | X | | 2-72 | | | |
| EUROPE | E | | | | | |

CD-204 (X32-3630-10)

| DESTINATION | COUNTRY | ABB. | UNIT No. | C202 | D207 | A1 |
|-------------|---------|------|----------|------|------|-----|
| U.S.A. | K | | 0-10 | YES | NO | YES |

DPF-R4010(X32-363X-XX)

| DESTINATION | COUNTRY | ABB. | UNIT No. | C202 | D207 | A1 |
|----------------|---------|------|----------|------|------|-----|
| PX | Y | | 0-21 | YES | NO | YES |
| GENERAL MARKET | M | | | | | |
| AUSTRALIA | X | | 2-71 | | | |
| EUROPE | E | | | | | |



ED1 : 10-BT-131GK
A1 : W02-2537-05

— GND LINE
—<+B— +B LINE

CD-204/203(K) (2/2)
DPF-R4010/R3010(M) (2/2)

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

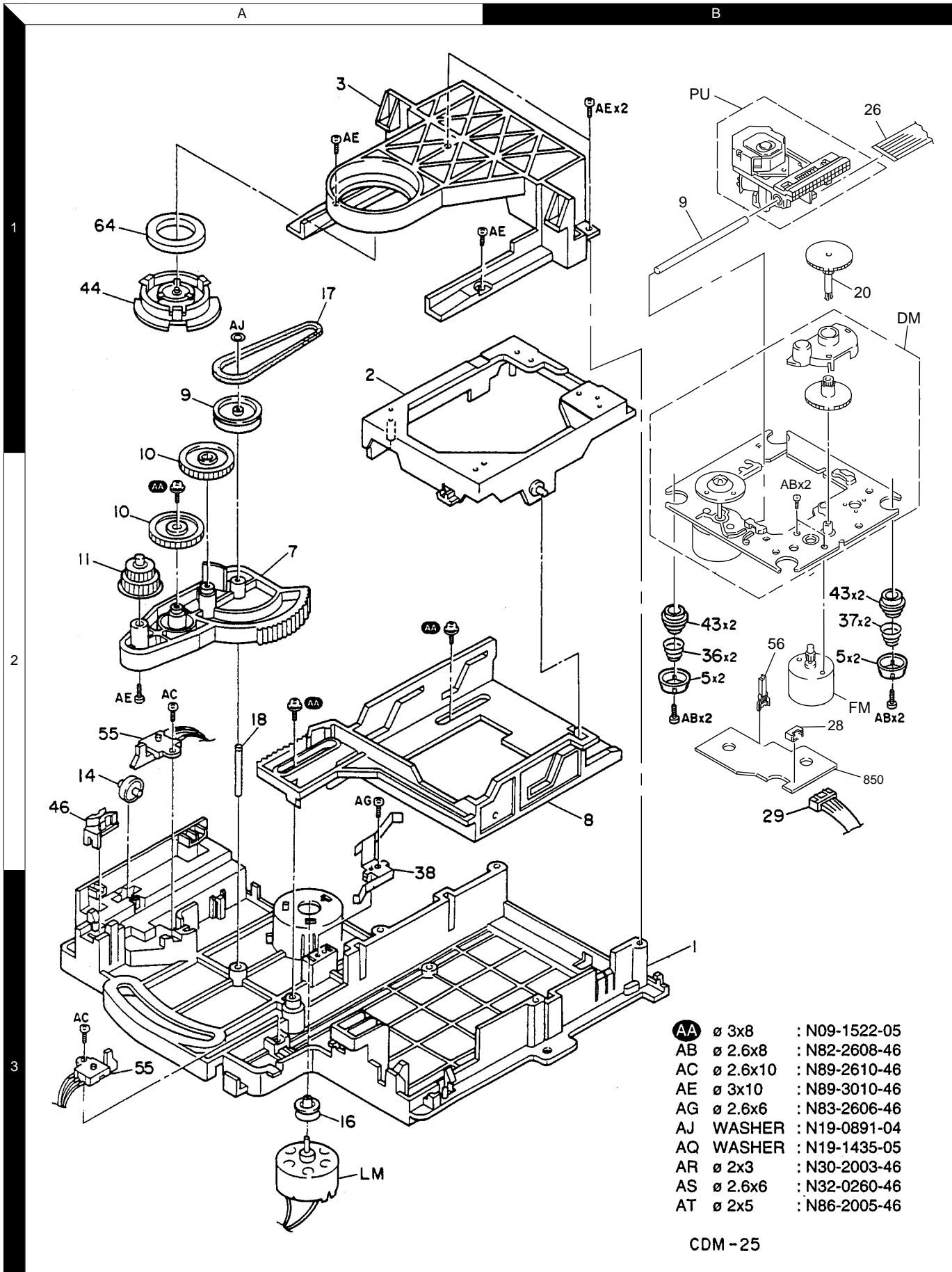
The DC voltage is an actual reading measured with a high impedance type voltmeter. The measurement value may vary depending on the measuring instruments used or on the product. Refer to the voltage during PLAY unless otherwise specified; The value shown in () is the voltage measured at the moment of STOP.

CD-203/204/DPF-R3010/R3010E/R4010/R4010E

Y22-7540-10

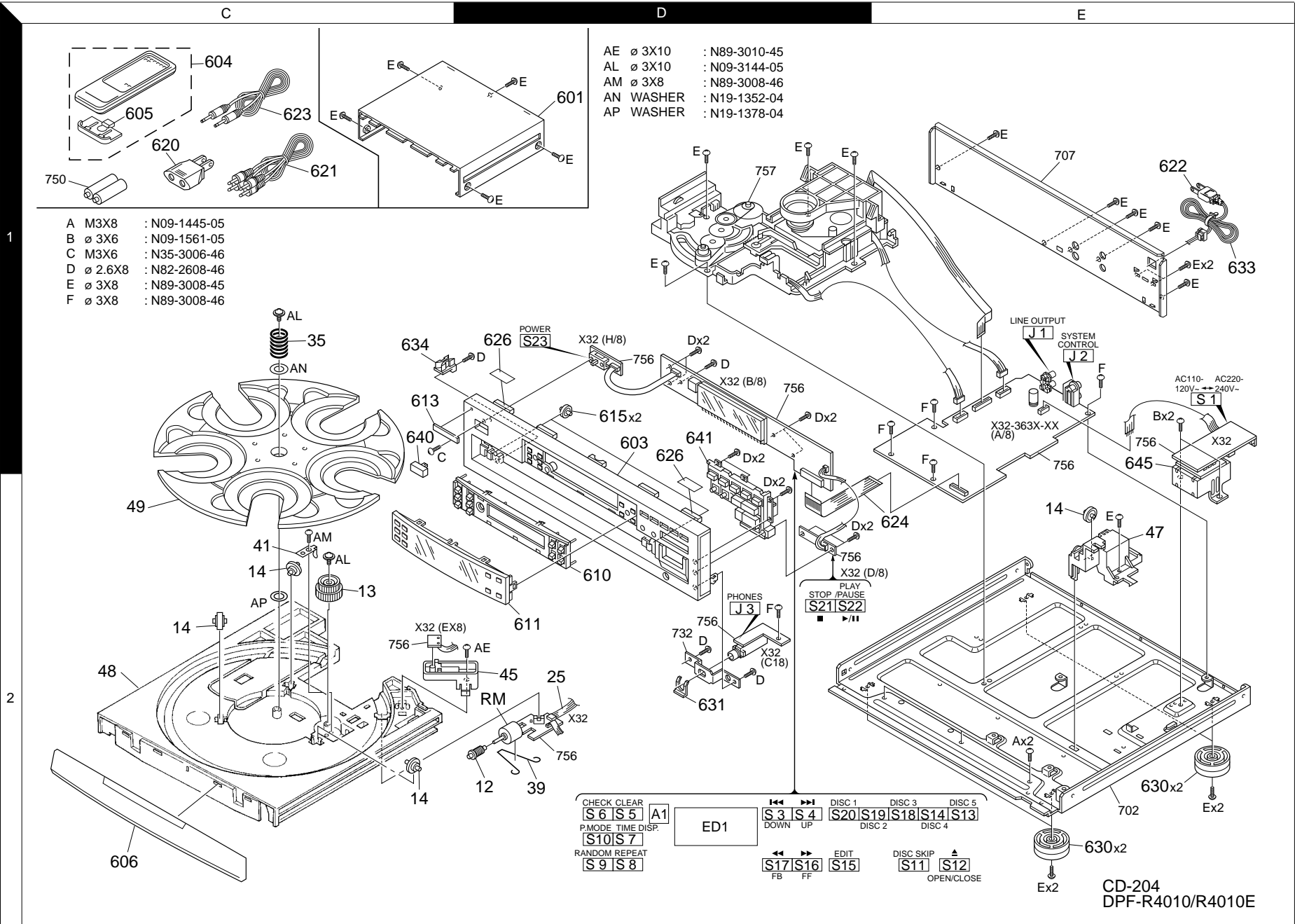
KENWOOD

EXPLODED VIEW (MECHANISM)



- AA \varnothing 3x8 : N09-1522-05
- AB \varnothing 2.6x8 : N82-2608-46
- AC \varnothing 2.6x10 : N89-2610-46
- AE \varnothing 3x10 : N89-3010-46
- AG \varnothing 2.6x6 : N83-2606-46
- AJ WASHER : N19-0891-04
- AQ WASHER : N19-1435-05
- AR \varnothing 2x3 : N30-2003-46
- AS \varnothing 2.6x6 : N32-0260-46
- AT \varnothing 2x5 : N86-2005-46

CDM-25



EXPLODED VIEW (UNIT)

CD-203/204/DPF-R3010/R3010E/R4010/R4010E

CD-204
DPF-R4010/R4010E

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①

| Ref. No | Address | New Parts | Parts No. | Description | Destination | Remarks |
|---|---------|-----------|-------------|------------------------------|-------------|---------|
| CD-203/DPF-R3010/3010E/CD-204/DPF-4010/4010E | | | | | | |
| 601 | 1D | * | A01-3547-01 | METALLIC CABINET | | |
| 603 | 1D | * | A60-1348-21 | PANEL | K1P1 | |
| 603 | 1D | * | A60-1349-21 | PANEL | Y1 | |
| 603 | 1D | * | A60-1350-21 | PANEL | K3P3 | |
| 603 | 1D | * | A60-1351-21 | PANEL | Y3 | |
| 603 | 1D | * | A60-1460-21 | PANEL | E1E2 | |
| 603 | 1D | * | A60-1460-21 | PANEL | M1X1T1 | |
| 603 | 1D | * | A60-1461-21 | PANEL | E3E4 | |
| 603 | 1D | * | A60-1461-21 | PANEL | M3X3T3 | |
| 604 | 1C | * | A70-1128-05 | REMOTE CONTROLLER(RC-P0504) | E1E2 | |
| 604 | 1C | * | A70-1128-05 | REMOTE CONTROLLER(RC-P0504) | K1P1Y1 | |
| 604 | 1C | * | A70-1128-05 | REMOTE CONTROLLER(RC-P0504) | M1X1T1 | |
| 605 | 1C | * | A09-0356-08 | BATTERY COVER | E1E2 | |
| 605 | 1C | * | A09-0356-08 | BATTERY COVER | K1P1Y1 | |
| 605 | 1C | * | A09-0356-08 | BATTERY COVER | M1X1T1 | |
| 606 | 2C | * | A29-0895-12 | PANEL | K1P1Y1 | |
| 606 | 2C | * | A29-0895-12 | PANEL | K3P3Y3 | |
| 606 | 2C | * | A29-1013-12 | PANEL | E1E2 | |
| 606 | 2C | * | A29-1013-12 | PANEL | E3E4 | |
| 606 | 2C | * | A29-1013-12 | PANEL | M1X1T1 | |
| 606 | 2C | * | A29-1013-12 | PANEL | M3X3T3 | |
| 610 | 2D | * | B07-2404-12 | ESCUTCHEON | K1P1Y1 | |
| 610 | 2D | * | B07-2404-12 | ESCUTCHEON | K3P3Y3 | |
| 610 | 2D | * | B07-2417-12 | ESCUTCHEON | E1E2 | |
| 610 | 2D | * | B07-2417-12 | ESCUTCHEON | E3E4 | |
| 610 | 2D | * | B07-2417-12 | ESCUTCHEON | M1X1T1 | |
| 610 | 2D | * | B07-2417-12 | ESCUTCHEON | M3X3T3 | |
| 611 | 2D | * | B10-2441-03 | FRONT GLASS | | |
| 613 | 2C | * | B43-0302-04 | KENWOOD BADGE | | |
| - | - | - | B46-0096-53 | WARRANTY CARD | X1 | |
| - | - | - | B46-0096-53 | WARRANTY CARD | X3 | |
| - | - | - | B46-0197-00 | QUESTIONNAIRE CARD | K1 | |
| - | - | - | B46-0197-00 | QUESTIONNAIRE CARD | K3 | |
| - | - | - | B46-0310-03 | WARRANTY CARD | T1E1E2 | |
| - | - | - | B46-0310-03 | WARRANTY CARD | T3E3E4 | |
| - | - | - | B46-0328-03 | WARRANTY CARD | K1Y1 | |
| - | - | - | B46-0328-03 | WARRANTY CARD | K3Y3 | |
| - | - | - | B46-0336-03 | WARRANTY CARD | P1 | |
| - | - | - | B46-0336-03 | WARRANTY CARD | P3 | |
| - | - | - | B58-0513-04 | CAUTION CARD (PRESET220-240) | Y1 | |
| - | - | - | B58-0513-04 | CAUTION CARD (PRESET220-240) | Y3 | |
| - | - | - | B58-0945-03 | CAUTION CARD | T1 | |
| - | - | - | B58-0945-03 | CAUTION CARD | T3 | |
| - | - | - | B58-0964-13 | CAUTION CARD (UL) | K1Y1 | |
| - | - | - | B58-0964-13 | CAUTION CARD (UL) | K3Y3 | |
| - | - | * | B58-0965-13 | CAUTION CARD (T,XtypePL) | X1T1 | |
| - | - | * | B58-0965-13 | CAUTION CARD (T,XtypePL) | X3T3 | |
| - | - | * | B58-0966-13 | CAUTION CARD (ELMtypePL) | M1E1 | |
| - | - | * | B58-0966-13 | CAUTION CARD (ELMtypePL) | M3E3 | |
| - | - | * | B58-0967-03 | CAUTION CARD (PtypePL) | P1 | |
| - | - | * | B58-0967-03 | CAUTION CARD (PtypePL) | P3 | |
| - | - | * | B58-1607-03 | CAUTION CARD | E2E4 | |

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②

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|---------|---------|-----------|-------------|-------------------------------|-------------|---------|
| - | - | - | B59-1104-00 | SERVICE DIRECTORY | Y1 | |
| - | - | - | B59-1104-00 | SERVICE DIRECTORY | Y3 | |
| - | - | * | B60-3684-00 | INSTRUCTION MANUAL(ENGLISH) | E2 | |
| - | - | * | B60-3684-00 | INSTRUCTION MANUAL(ENGLISH) | E4 | |
| - | - | * | B60-3684-00 | INSTRUCTION MANUAL(ENGLISH) | K1P1Y1 | |
| - | - | * | B60-3684-00 | INSTRUCTION MANUAL(ENGLISH) | K3P3Y3 | |
| - | - | * | B60-3684-00 | INSTRUCTION MANUAL(ENGLISH) | M1X1T1 | |
| - | - | * | B60-3684-00 | INSTRUCTION MANUAL(ENGLISH) | M3X3T3 | |
| - | - | * | B60-3685-00 | INSTRUCTION MANUAL(FRENCH) | P1E1 | |
| - | - | * | B60-3685-00 | INSTRUCTION MANUAL(G,D,I) | P3E3 | |
| - | - | * | B60-3686-00 | INSTRUCTION MANUAL(G,D,I) | E1 | |
| - | - | * | B60-3686-00 | INSTRUCTION MANUAL(G,D,I) | E3 | |
| - | - | * | B60-3687-00 | INSTRUCTION MANUAL(SPANISH) | M1E1 | |
| - | - | * | B60-3687-00 | INSTRUCTION MANUAL(SPANISH) | M3E3 | |
| - | - | * | B60-3688-00 | INSTRUCTION MANUAL(TAIWANESE) | M1 | |
| - | - | * | B60-3688-00 | INSTRUCTION MANUAL(TAIWANESE) | M3 | |
| - | - | * | B60-3969-00 | INSTRUCTION MANUAL(PH) | E2E4 | |
| - | - | * | B60-3970-00 | INSTRUCTION MANUAL(R) | E2E4 | |
| - | - | * | B60-3971-00 | INSTRUCTION MANUAL(CZ) | E2E4 | |
| - | - | * | B60-3972-00 | INSTRUCTION MANUAL(HG) | E2E4 | |
| 615 | 1D | - | D14-0389-04 | ROLLER | | |
| △ 620 | 1C | - | E03-0115-05 | AC PLUG ADAPTER | M1 | |
| △ 620 | 1C | - | E03-0115-05 | AC PLUG ADAPTER | M3 | |
| △ 621 | 1C | - | E30-0505-05 | AUDIO CORD | | |
| △ 622 | 1E | - | E30-2787-05 | AC POWER CORD | K1P1 | |
| △ 622 | 1E | - | E30-2787-05 | AC POWER CORD | K3P3 | |
| △ 622 | 1E | - | E30-2788-05 | AC POWER CORD | M1E1E2 | |
| △ 622 | 1E | - | E30-2788-05 | AC POWER CORD | M3E3E4 | |
| △ 622 | 1E | - | E30-2789-05 | AC POWER CORD | Y1 | |
| △ 622 | 1E | - | E30-2789-05 | AC POWER CORD | Y3 | |
| △ 622 | 1E | - | E30-2790-05 | AC POWER CORD | X1 | |
| △ 622 | 1E | - | E30-2790-05 | AC POWER CORD | X3 | |
| △ 622 | 1E | - | E30-2791-05 | AC POWER CORD | T1 | |
| △ 622 | 1E | - | E30-2791-05 | AC POWER CORD | T3 | |
| 623 | 1C | - | E30-2816-05 | CORD WITH PLUG | | |
| 624 | 2E | * | E35-2059-05 | FLAT CABLE (37P) | | |
| 626 | 2D | - | G10-0444-04 | NON-WOVEN FABRIC | | |
| - | - | * | H10-7430-02 | POLYSTYRENE FOAMED FIXTURE(L) | E2 | |
| - | - | * | H10-7430-02 | POLYSTYRENE FOAMED FIXTURE(L) | E4 | |
| - | - | * | H10-7430-02 | POLYSTYRENE FOAMED FIXTURE(L) | K1P1Y1 | |
| - | - | * | H10-7430-02 | POLYSTYRENE FOAMED FIXTURE(L) | K3P3Y3 | |
| - | - | * | H10-7430-02 | POLYSTYRENE FOAMED FIXTURE(L) | M1X1E1 | |
| - | - | * | H10-7430-02 | POLYSTYRENE FOAMED FIXTURE(L) | M3X3E3 | |
| - | - | * | H10-7431-12 | POLYSTYRENE FOAMED FIXTURE(R) | E2 | |
| - | - | * | H10-7431-12 | POLYSTYRENE FOAMED FIXTURE(R) | E4 | |
| - | - | * | H10-7431-12 | POLYSTYRENE FOAMED FIXTURE(R) | K1P1Y1 | |
| - | - | * | H10-7431-12 | POLYSTYRENE FOAMED FIXTURE(R) | K3P3Y3 | |
| - | - | * | H10-7431-12 | POLYSTYRENE FOAMED FIXTURE(R) | M1X1E1 | |
| - | - | * | H10-7431-12 | POLYSTYRENE FOAMED FIXTURE(R) | M3X3E3 | |
| - | - | * | H10-7432-02 | POLYSTYRENE FOAMED FIXTURE(L) | T1 | |
| - | - | * | H10-7432-02 | POLYSTYRENE FOAMED FIXTURE(L) | T3 | |
| - | - | * | H10-7433-02 | POLYSTYRENE FOAMED FIXTURE(R) | T1 | |

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PARTS LIST

CD-203/204/DPF-R3010/R3010E/R4010/R4010E

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|---------|----------|-----------|-------------|-------------------------------|--------------|----------|
| | | | H10-7433-02 | POLYSTYRENE FOAMED FIXTURE(R) | T3 | |
| | | | H12-2339-04 | PACKING FIXTURE | | |
| | | | H13-0152-14 | CARTON BOARD | X1 | |
| | | | H13-0152-14 | CARTON BOARD | X3 | |
| | | | H13-0163-04 | CARTON BOARD | T1 | |
| | | | H13-0163-04 | CARTON BOARD | T3 | |
| | | | H20-0568-04 | PROTECTION COVER | M1 | |
| | | | H20-0568-04 | PROTECTION COVER | M3 | |
| | | | H21-0303-04 | PROTECTION SHEET | | |
| | | | H25-0232-04 | PROTECTION BAG (235X350X0.03) | E2 | |
| | | | H25-0232-04 | PROTECTION BAG (235X350X0.03) | E4 | |
| | | | H25-0232-04 | PROTECTION BAG (235X350X0.03) | K1P1Y1 | |
| | | | H25-0232-04 | PROTECTION BAG (235X350X0.03) | K3P3Y3 | |
| | | | H25-0232-04 | PROTECTION BAG (235X350X0.03) | M1X1E1 | |
| | | | H25-0232-04 | PROTECTION BAG (235X350X0.03) | M3X3E3 | |
| | | | H25-0651-04 | PROTECTION BAG (0232 PRINT) | T1 | |
| | | | H25-0651-04 | PROTECTION BAG (0232 PRINT) | T3 | |
| | | | H25-0661-04 | PROTECTION BAG | E2 | |
| | | | H25-0661-04 | PROTECTION BAG | E4 | |
| | | | H25-0661-04 | PROTECTION BAG | K1P1Y1 | |
| | | | H25-0661-04 | PROTECTION BAG | K3P3Y3 | |
| | | | H25-0661-04 | PROTECTION BAG | X1T1E1 | |
| | | | H25-0661-04 | PROTECTION BAG | X3T3E3 | |
| | | * | H50-2776-04 | ITEM CARTON CASE | Y1X1E1 | |
| | | * | H50-2777-04 | ITEM CARTON CASE | M1 | |
| | | * | H50-2778-04 | ITEM CARTON CASE | T1 | |
| | | * | H50-2779-04 | ITEM CARTON CASE | K1P1 | |
| | | * | H50-2780-04 | ITEM CARTON CASE | Y3X3E3 | |
| | | * | H50-2781-04 | ITEM CARTON CASE | M3 | |
| | | * | H50-2782-04 | ITEM CARTON CASE | T3 | |
| | | * | H50-2783-04 | ITEM CARTON CASE | K3P3 | |
| | | * | H50-3069-04 | ITEM CARTON CASE | E2 | |
| | | * | H50-3070-04 | ITEM CARTON CASE | E4 | |
| 630 | 2E | | J02-1167-03 | FOOT | E1E2 | |
| 630 | 2E | | J02-1167-03 | FOOT | E3E4 | |
| 630 | 2E | | J02-1167-03 | FOOT | M1X1T1 | |
| 630 | 2E | | J02-1167-03 | FOOT | M3X3T3 | |
| 630 | 2E | * | J02-1405-03 | FOOT (D=46,H=14.5,T) | K1P1Y1 | |
| 630 | 2E | * | J02-1405-03 | FOOT (D=46,H=14.5,T) | K3P3Y3 | |
| 631 | 2D | | J21-3326-05 | JACK MOUNTING HARDWARE | E1E2 | |
| 631 | 2D | | J21-3326-05 | JACK MOUNTING HARDWARE | K1P1Y1 | |
| 631 | 2D | | J21-3326-05 | JACK MOUNTING HARDWARE | M1X1T1 | |
| 633 | 1E | | J42-0083-05 | POWER CORD BUSHING | M1X1T1 | |
| 634 | 1C | * | J90-0851-04 | GUIDE | | |
| | | | J61-0307-05 | WIRE BAND | T1E1E2 | |
| | | | J61-0307-05 | WIRE BAND | T3E3E4 | |
| | | | J61-0307-05 | WIRE BAND | Y1M1X1 | |
| | | | J61-0307-05 | WIRE BAND | Y3M3X3 | |
| 640 | 1C | * | K27-2258-04 | KNOB (BUTTON) POWER | K1P1Y1 | |
| 640 | 1C | * | K27-2258-04 | KNOB (BUTTON) POWER | K3P3Y3 | |
| 640 | 1C | * | K27-2295-04 | KNOB (BUTTON) POWER | E1E2 | |
| 640 | 1C | * | K27-2295-04 | KNOB (BUTTON) POWER | E3E4 | |
| 640 | 1C | * | K27-2295-04 | KNOB (BUTTON) POWER | M1X1T1 | |
| 640 | 1C | * | K27-2295-04 | KNOB (BUTTON) POWER | M3X3T3 | |

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|-------------------------------------|----------|-----------|---------------|-------------------|--------------|----------|
| 641 | 1D | * | K29-6908-02 | KNOB | K1P1Y1 | |
| 641 | 1D | * | K29-6908-02 | KNOB | K3P3Y3 | |
| 641 | 1D | * | K29-7331-02 | KNOB | E1E2 | |
| 641 | 1D | * | K29-7331-02 | KNOB | E3E4 | |
| 641 | 1D | * | K29-7331-02 | KNOB | M1X1T1 | |
| 641 | 1D | * | K29-7331-02 | KNOB | M3X3T3 | |
| △ 645 | 1E | | L07-2297-05 | POWER TRANSFORMER | K1P1 | |
| △ 645 | 1E | | L07-2297-05 | POWER TRANSFORMER | K3P3 | |
| △ 645 | 1E | | L07-2298-05 | POWER TRANSFORMER | E2 | |
| △ 645 | 1E | | L07-2298-05 | POWER TRANSFORMER | E4 | |
| △ 645 | 1E | | L07-2298-05 | POWER TRANSFORMER | X1T1E1 | |
| △ 645 | 1E | | L07-2298-05 | POWER TRANSFORMER | X3T3E3 | |
| △ 645 | 1E | | L07-2299-05 | POWER TRANSFORMER | Y1M1 | |
| △ 645 | 1E | | L07-2299-05 | POWER TRANSFORMER | Y3M3 | |
| CD PLAYER UNIT (X32-363X-XX) | | | | | | |
| C1 | | | CK45FF1H103Z | CERAMIC | 0.010UF | Z |
| C2 | | | CK45FF1H473Z | CERAMIC | 0.047UF | Z |
| C3 | | | CF92FV1H124J | MF-C | 0.12UF | J |
| C4 | | | CC45FSL1H470J | CERAMIC | 47PF | J |
| C5 | | | CE04LW1A101M | ELECTRO | 100UF | 10WV |
| C6 | | | CF92FV1H124J | MF-C | 0.12UF | J |
| C7 , 8 | | | CQ93FMG1H104J | MYLAR | 0.10UF | J |
| C9 | | | CK45FF1H473Z | CERAMIC | 0.047UF | Z |
| C10 | | | CC45FSL1H221J | CERAMIC | 220PF | J |
| C11 | | | CK45FB1H102K | CERAMIC | 1000PF | K |
| C12 | | | CE04LW1C100M | ELECTRO | 10UF | 16WV |
| C13 | | | CQ93FMG1H393J | MYLAR | 0.039UF | J |
| C14 | | | CK45FF1H103Z | CERAMIC | 0.010UF | Z |
| C15 | | | CC45FSL1H151J | CERAMIC | 150PF | J |
| C16 | | | CE04HW1E100M | NP-ELEC | 10UF | 25WV |
| C17 | | | CK45FB1H102K | CERAMIC | 1000PF | K |
| C18 , 19 | | | CK45FF1H103Z | CERAMIC | 0.010UF | Z |
| C20 | | | CQ93FMG1H333J | MYLAR | 0.033UF | J |
| C21 | | | CK45FF1H103Z | CERAMIC | 0.010UF | Z |
| C22 | | | CK45FB1H222K | CERAMIC | 2200PF | K |
| C23 | | | CK45FF1H103Z | CERAMIC | 0.010UF | Z |
| C25 | | | CC45FSL1H180J | CERAMIC | 18PF | J |
| C26 , 27 | | | CE04LW1A101M | ELECTRO | 100UF | 10WV |
| C28 | | | CQ93FMG1H333J | MYLAR | 0.033UF | J |
| C29 | | | CQ93FMG1H473J | MYLAR | 0.047UF | J |
| C30 | | | CK45FB1H152K | CERAMIC | 1500PF | K |
| C31 | | | CK45FF1H103Z | CERAMIC | 0.010UF | Z |
| C32 | | | CK45FB1H332K | CERAMIC | 3300PF | K |
| C33 | | | CF92FV1H124J | MF-C | 0.12UF | J |
| C34 , 35 | | | CK45FB1H102K | CERAMIC | 1000PF | K |
| C36 | | | CK45FF1H103Z | CERAMIC | 0.010UF | Z |
| C37 | | | CE04LW1A101M | ELECTRO | 100UF | 10WV |
| C38 | | | CK45FF1H103Z | CERAMIC | 0.010UF | Z |
| C39 | | | CE04LW1A101M | ELECTRO | 100UF | 10WV |
| C40 , 41 | | | CQ93FMG1H473J | MYLAR | 0.047UF | J |
| C42 | | | CE04LW0J331M | ELECTRO | 330UF | 6.3WV |
| C43 | | | CK45FF1H223Z | CERAMIC | 0.022UF | Z |
| C44 | | | CC45FSL1H220J | CERAMIC | 22PF | J |
| C45 , 46 | | | CE04LW1A101M | ELECTRO | 100UF | 10WV |

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| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|----------|----------|-----------|---------------|---------------------|--------------|----------|
| C47 .48 | | | CQ93FMG1H821J | MYLAR 820PF J | | |
| C49 .50 | | | CQ93FMG1H162J | MYLAR 1600PF J | | |
| C51 .52 | | | CE04LW1C470M | ELECTRO 47UF 16WV | | |
| C53 .54 | | | CQ93FMG1H821J | MYLAR 820PF J | | |
| C55 | | | CE04LW1A101M | ELECTRO 100UF 10WV | | |
| C56 | | | CK45FF1H103Z | CERAMIC 0.010UF Z | | |
| C57 | | | CK45FF1H103Z | CERAMIC 0.010UF Z | E1E2 | |
| C57 | | | CK45FF1H103Z | CERAMIC 0.010UF Z | K1P1Y1 | |
| C57 | | | CK45FF1H103Z | CERAMIC 0.010UF Z | M1X1T1 | |
| C58 | | | CK45FF1H103Z | CERAMIC 0.010UF Z | | |
| C59 .60 | | | CE04LW1H2R2M | ELECTRO 2.2UF 50WV | E1E2 | |
| C59 .60 | | | CE04LW1H2R2M | ELECTRO 2.2UF 50WV | K1P1Y1 | |
| C59 .60 | | | CE04LW1H2R2M | ELECTRO 2.2UF 50WV | M1X1T1 | |
| C61 .62 | | | CE04LW0J221M | ELECTRO 220UF 6.3WV | E1E2 | |
| C61 .62 | | | CE04LW0J221M | ELECTRO 220UF 6.3WV | K1P1Y1 | |
| C61 .62 | | | CE04LW0J221M | ELECTRO 220UF 6.3WV | M1X1T1 | |
| C63 | | | CK45FF1H473Z | CERAMIC 0.047UF Z | | |
| C65 .66 | | | CK45FF1H103Z | CERAMIC 0.010UF Z | | |
| C67 | | | CC45FSL1H101J | CERAMIC 100PF J | | |
| C68 .69 | | | CK45FF1H103Z | CERAMIC 0.010UF Z | | |
| C70 | | | CE04LW1C222M | ELECTRO 2200UF 16WV | | |
| C71 | | | CE04LW1H221M | ELECTRO 220UF 50WV | | |
| C72 | | | CK45FF1H103Z | CERAMIC 0.010UF Z | | |
| C73 | | | CE04LW1H100M | ELECTRO 10UF 50WV | | |
| C74 | | | CE04LW1A101M | ELECTRO 100UF 10WV | | |
| C75 | | | CE04LW1H4R7M | ELECTRO 4.7UF 50WV | | |
| C76 | | | CQ93FMG1H473J | MYLAR 0.047UF J | | |
| C77 .78 | | | CC45FSL1H221J | CERAMIC 220PF J | | |
| C79 | | | CK45FF1H103Z | CERAMIC 0.010UF Z | | |
| C80 | | | CK45FF1H223Z | CERAMIC 0.022UF Z | | |
| C81 | | | CE04LW1C101M | ELECTRO 100UF 16WV | | |
| C82 .83 | | | CQ93FMG1H471J | MYLAR 470PF J | E1E2 | |
| C82 .83 | | | CQ93FMG1H471J | MYLAR 470PF J | K1P1Y1 | |
| C82 .83 | | | CQ93FMG1H471J | MYLAR 470PF J | M1X1T1 | |
| C84 .85 | | | CK45FF1H103Z | CERAMIC 0.010UF Z | | |
| C86 | | | CE04LW1A101M | ELECTRO 100UF 10WV | | |
| C87 | | | CC45FSL1H101J | CERAMIC 100PF J | | |
| C88 | | | CK45FF1H473Z | CERAMIC 0.047UF Z | | |
| C89 | | | CK45FF1H103Z | CERAMIC 0.010UF Z | | |
| C96 | | | CQ93FMG1H104J | MYLAR 0.10UF J | | |
| C99 | | | CK45FF1H103Z | CERAMIC 0.010UF Z | | |
| C100 | | | CC45FSL1H101J | CERAMIC 100PF J | | |
| C106 | | | CK45FF1H473Z | CERAMIC 0.047UF Z | | |
| C109,110 | | | CK45FF1H103Z | CERAMIC 0.010UF Z | E1E2 | |
| C109,110 | | | CK45FF1H103Z | CERAMIC 0.010UF Z | K1P1Y1 | |
| C109,110 | | | CK45FF1H103Z | CERAMIC 0.010UF Z | M1X1T1 | |
| C113 | | | CK45FF1H103Z | CERAMIC 0.010UF Z | | |
| C114 | | | CE04LW1C101M | ELECTRO 100UF 16WV | | |
| C117 | | | CE04LW1C331M | ELECTRO 330UF 16WV | E1E2 | |
| C117 | | | CE04LW1C331M | ELECTRO 330UF 16WV | K1P1Y1 | |
| C117 | | | CE04LW1C331M | ELECTRO 330UF 16WV | M1X1T1 | |
| C118 | | | CK45FF1H103Z | CERAMIC 0.010UF Z | | |
| C119 | | | CE04LW1A101M | ELECTRO 100UF 10WV | | |
| C120 | | | CE04LW1C221M | ELECTRO 220UF 16WV | | |
| C121 | | | CK45FF1H103Z | CERAMIC 0.010UF Z | | |

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|------------|----------|-----------|--------------|------------------------------|--------------|----------|
| C201 | | | CK45FF1H103Z | CERAMIC 0.010UF Z | | |
| C202 | | | CE04LW1A101M | ELECTRO 100UF 10WV | E1E2 | |
| C202 | | | CE04LW1A101M | ELECTRO 100UF 10WV | K1P1Y1 | |
| C202 | | | CE04LW1A101M | ELECTRO 100UF 10WV | M1X1T1 | |
| CN1 | | | E40-8037-05 | FLAT CABLE CONNECTOR | | |
| CN2 | | | E40-4876-05 | PIN ASSY | | |
| CN3 | | | E40-3250-05 | PIN ASSY | | |
| CN4 | | | E40-3252-05 | PIN ASSY | | |
| CN5 | | | E40-4932-05 | FLAT CABLE CONNECTOR | | |
| CN7 | | | E40-4245-05 | PIN ASSY | | |
| CN8 | | | E40-4924-05 | FLAT CABLE CONNECTOR | | |
| CN9 | | | E40-4962-05 | FLAT CABLE CONNECTOR | | |
| CN10 | | | E40-4932-05 | FLAT CABLE CONNECTOR | | |
| J1 | | | E63-0122-05 | PHONO JACK | | |
| J2 | | | E11-0293-05 | MINIATURE PHONE JACK(2P) | | |
| J3 | | | E11-0272-05 | PHONE JACK | E1E2 | |
| J3 | | | E11-0272-05 | PHONE JACK | K1P1Y1 | |
| J3 | | | E11-0272-05 | PHONE JACK | M1X1T1 | |
| - | | | J19-3647-14 | HOLDER | | |
| E11 | | | J11-0808-05 | WIRE CLAMPER | | |
| E12 | | | J11-0808-05 | WIRE CLAMPER | E1E2 | |
| E12 | | | J11-0808-05 | WIRE CLAMPER | K1P1Y1 | |
| E12 | | | J11-0808-05 | WIRE CLAMPER | M1X1T1 | |
| E13 | | | J11-0808-05 | WIRE CLAMPER | | |
| L1 | | | L40-1001-17 | SMALL FIXED INDUCTOR(10UH,K) | | |
| L2 .3 | | | L40-1091-17 | SMALL FIXED INDUCTOR | E1E2 | |
| L2 .3 | | | L40-1091-17 | SMALL FIXED INDUCTOR | K1P1Y1 | |
| L2 .3 | | | L40-1091-17 | SMALL FIXED INDUCTOR | M1X1T1 | |
| L4 -6 | | | L92-0018-05 | FERRITE CORE | | |
| L7 | | | L92-0017-05 | FERRITE CORE | | |
| X1 | | | L78-0299-05 | RESONATOR (16.93M) | | |
| Δ R111 | | | RD14NB2E101J | RD 100 J 1/4W | | |
| Δ R131,132 | | | RS14KB3D181J | FL-PROOF RS 180 J 2W | | |
| R142 | | | RS14KB3A101J | FL-PROOF RS 100 J 1W | | |
| Δ R165 | | | RD14NB2E1R0J | RD 1 J 1/4W | | |
| Δ R168 | | | RD14NB2E101J | RD 100 J 1/4W | | |
| Δ R170 | | | RD14NB2E1R0J | RD 1 J 1/4W | | |
| Δ R171-173 | | | RS14KB3D181J | FL-PROOF RS 180 J 2W | | |
| Δ R174 | | | RD14NB2E101J | RD 100 J 1/4W | | |
| VR1 | | | R12-3687-05 | TRIMMING POT.(33K) | | |
| VR2 | | | R12-5651-05 | TRIMMING POT.(100K) | | |
| VR3 | | | R12-3687-05 | TRIMMING POT.(33K) | | |
| Δ S1 | | | S31-2131-05 | SLIDE SWITCH (POWER TYPE) | Y1M1 | |
| Δ S1 | | | S31-2131-05 | SLIDE SWITCH (POWER TYPE) | Y3M3 | |
| S2 | | | S31-2132-05 | SLIDE SWITCH | | |
| S3 -22 | | | S70-0031-05 | TACT SWITCH | | |
| S23 | | | S40-2351-05 | PUSH SWITCH | | |
| PH1 | | | T95-0145-05 | OPTO ISOLATOR | | |
| D1 -10 | | | HSS104 | DIODE | | |
| D1 -10 | | | 1SS133 | DIODE | | |
| Δ D13 | | | D3SBA20F03 | DIODE | | |
| Δ D14 | | | S5688B | DIODE | | |

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PARTS LIST

CD-203/204/DPF-R3010/R3010E/R4010/R4010E

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|----------|----------|-----------|----------------|--------------------|--------------|----------|
| Δ D14 | | | 1SR139-400 | DIODE | | |
| D15 | | | MTZJ30(B) | ZENER DIODE | | |
| D15 | | | UZ-30BS | ZENER DIODE | | |
| D16 | | | MTZJ5.6(B) | ZENER DIODE | | |
| D16 | | | UZ-5.6BSB | ZENER DIODE | | |
| D17 | | | MTZJ4.7(B) | ZENER DIODE | | |
| D17 | | | UZ-4.7BSB | ZENER DIODE | | |
| D18 | | | MTZJ5.6(B) | ZENER DIODE | | |
| D18 | | | UZ-5.6BSB | ZENER DIODE | | |
| D19 -22 | | | HSS104 | DIODE | | |
| D19 -22 | | | 1SS133 | DIODE | | |
| D23 | | | MTZJ8.2(B) | ZENER DIODE | | |
| D23 | | | UZ-8.2BSB | ZENER DIODE | | |
| D26 | | | MTZJ10(B) | ZENER DIODE | | |
| D26 | | | UZ-10BSB | ZENER DIODE | | |
| D28 | | | HSS104 | DIODE | | |
| D28 | | | 1SS133 | DIODE | | |
| D201-206 | | | HSS104 | DIODE | | |
| D201-206 | | | 1SS133 | DIODE | | |
| D207 | | | HSS104 | DIODE | E3E4 | |
| D207 | | | HSS104 | DIODE | K3P3Y3 | |
| D207 | | | 1SS133 | DIODE | M3X3T3 | |
| D207 | | | 1SS133 | DIODE | E3E4 | |
| D207 | | | 1SS133 | DIODE | K3P3Y3 | |
| D207 | | | 1SS133 | DIODE | M3X3T3 | |
| D208 | | | SIR-33ST3 | INFRARED LED | | |
| ED1 | | | 10-BT-131GK | INDICATOR TUBE | | |
| IC1 | | | CXA1782BQ*1 | ANALOGUE IC | | |
| IC2 | | | CXD2507AQ*1 | MOS-IC | | |
| IC3 | | | UPD78044FGF023 | MI-COM IC | | |
| IC4 | | | LA6541D | ANALOGUE IC | | |
| IC5 | | | TC9293AF | MOS-IC | | |
| Δ IC6 | | | ICP-N20 | ANALOGUE IC | T1E1E2 | |
| Δ IC6 | | | ICP-N20 | ANALOGUE IC | T3E3E4 | |
| Δ IC6 | | | ICP-N20 | ANALOGUE IC | Y1M1X1 | |
| Δ IC6 | | | ICP-N20 | ANALOGUE IC | Y3M3X3 | |
| IC7 | | | NJM4580D | IC(OP AMP X2) | E1E2 | |
| IC7 | | | NJM4580D | IC(OP AMP X2) | K1P1Y1 | |
| IC7 | | | NJM4580D | IC(OP AMP X2) | M1T1X1 | |
| IC8 ,9 | | | TA8409S | MOS-IC | | |
| IC12 | | | NJM4565D | ANALOGUE IC | | |
| PH2 | | | RPT-38PT3F | PHOTO TRANSISTOR | | |
| Q1 | | | 2SC1740S(Q,R) | TRANSISTOR | | |
| Q1 | | | 2SC2785(F,E) | TRANSISTOR | | |
| Q2 | | | DTA124ESA | DIGITAL TRANSISTOR | | |
| Q2 | | | UN4112 | DIGITAL TRANSISTOR | | |
| Q3 | | | 2SA954(L,K) | TRANSISTOR | | |
| Q4 ,5 | | | DTC113ZSA | DIGITAL TRANSISTOR | | |
| Q4 ,5 | | | UN4219 | DIGITAL TRANSISTOR | | |
| Q6 | | | DTC124ESA | DIGITAL TRANSISTOR | | |
| Q6 | | | UN4212 | DIGITAL TRANSISTOR | | |
| Q7 ,8 | | | 2SC2878(B) | TRANSISTOR | | |
| Q9 | | | 2SD2012 | TRANSISTOR | | |
| Δ Q10 | | | 2SA1534A | TRANSISTOR | | |
| Δ Q12 | | | DTA124ESA | DIGITAL TRANSISTOR | | |

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|---|----------|-----------|-------------|-------------------------|--------------|----------|
| Q12 | | | UN4112 | DIGITAL TRANSISTOR | | |
| Q13 | | | 2SA992(F,E) | TRANSISTOR | | |
| Δ Q14 | | | 2SD2012 | TRANSISTOR | | |
| A1 | | | W02-2537-05 | ELECTRIC CIRCUIT MODULE | E1E2 | |
| A1 | | | W02-2537-05 | ELECTRIC CIRCUIT MODULE | K1P1Y1 | |
| A1 | | | W02-2537-05 | ELECTRIC CIRCUIT MODULE | M1X1T1 | |
| MECHANISM ASSY (X92-2100-21/X92-2120-10) | | | | | | |
| 1 | 3B | * | A10-3360-01 | CHASSIS | | |
| 2 | 1A | * | A11-1126-02 | SUB CHASSIS | | |
| 3 | 1A | * | A11-1127-12 | SUB CHASSIS | | |
| 5 | 2B | * | B09-0255-04 | CAP | | |
| 7 | 2A | * | D10-3740-13 | ARM | | |
| 8 | 2B | * | D10-3741-02 | SLIDER | | |
| 9 | 1B | * | D13-1829-04 | GEAR | | |
| 10 | 2A | * | D13-1830-14 | GEAR | | |
| 11 | 2A | * | D13-1831-04 | GEAR | | |
| 12 | 2D | * | D13-1833-04 | WORM | | |
| 13 | 2C | * | D13-1832-04 | GEAR | | |
| 14 | 2C,2E | * | D14-0389-04 | ROLLER | | |
| 16 | 2A | * | D15-0407-04 | MOTOR PULLEY | | |
| 17 | 1A | * | D16-0355-03 | BELT | | |
| 18 | 2A | * | D21-1763-14 | SHAFT | | |
| 19 | 1B | * | D10-3606-08 | ROD | | |
| 20 | 1B | * | D13-1720-08 | GEAR | | |
| 25 | 3D | * | E35-0747-25 | FLAT CABLE (7P) | | |
| 26 | 1D | * | E35-1317-05 | FLAT CABLE (16P) | | |
| 28 | 2B | * | E40-3264-05 | PIN ASSY | | |
| 29 | 2B | * | E35-1669-05 | WIRING HARNESS | | |
| 35 | 2C | * | G01-3630-14 | COMPRESSION SPRING | | |
| 36 | 2B | * | G01-3753-04 | COMPRESSION SPRING | | |
| 37 | 2B | * | G01-3754-04 | COMPRESSION SPRING | | |
| 38 | 3A | * | G02-1049-04 | FLAT SPRING | | |
| 39 | 3D | * | G09-0634-04 | WIRE SPRING | | |
| 41 | 2D | * | G02-1631-04 | FLAT SPRING | | |
| - | | | G10-0146-04 | NON-WOVEN FABRIC | | |
| 43 | 2B | * | J02-1121-04 | INSULATOR | | |
| 44 | 1A | * | J11-0830-03 | CLAMPER | | |
| 45 | 3D | * | J19-5818-04 | HOLDER | | |
| 46 | 2A | * | J90-0851-04 | GUIDE | | |
| 47 | 2E | * | J90-0852-02 | GUIDE | | |
| 48 | 3C | * | J99-0801-01 | TRAY | | |
| 49 | 2C | * | J99-0596-01 | TRAY | | |
| 55 | 2A,3A | * | S33-2061-05 | LEVER SWITCH | | |
| 56 | 2B | * | S74-0038-08 | LEAF SWITCH | | |
| 64 | 1A | * | T99-0544-15 | MAGNET | | |
| DM | 1B | * | A11-1082-08 | DISC MOTOR ASSY | | |
| FM | 2B | * | T42-0817-08 | FEED MOTOR | | |
| LM | 3A | * | T42-0524-05 | DC MOTOR | | |
| PU | 1B | * | T25-0055-08 | OPTICAL PICKUP HEAD | | |
| RM | 3D | * | T42-0670-15 | DC MOTOR | | |

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CD-203204/DPF-R3010/R3010E/R4010/R4010E

SPECIFICATIONS

CD-204/203/DPF-R4010/3010

[Format]

System Compact disc digital audio system
Laser Semiconductor laser

[D/A Convertors]

D/A Conversion 1 Bit
Oversampling 8 fs (352.8 kHz)

[Audio]

Frequency response 4 Hz – 20 kHz, ± 0.5 dB
Signal to noise ratio More than 95 dB
Dynamic range More than 95 dB
Total harmonic distortion + noise

..... Less than 0.008% (at 1 kHz)

Wow & flutter Unmeasurable Limit

Output level/impedance

Fixed (CD-203/DPF-R3010) 2 V/0.8 k Ω

Variable (CD-204/DPF-R4010) (Max.) 2 V/0.3 k Ω

Headphone output (Max.)

(CD-204/DPF-R4010 only) 20 mW (32 Ω)

[General]

Power consumption 13 W

Dimensions W: 440 mm (17-5/16")

H: 125 mm (4-15/16")

D: 397 mm (15-5/8")

Weight (Net) 5.0 kg (11.0 lb)



1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
2. The full performance may not be exhibited in an extremely cold location (under a water-freezing temperature).

Note:

Component and circuit are subject to modification to insure best operation under differing local conditions. This manual is based on Europe (E) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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