

37

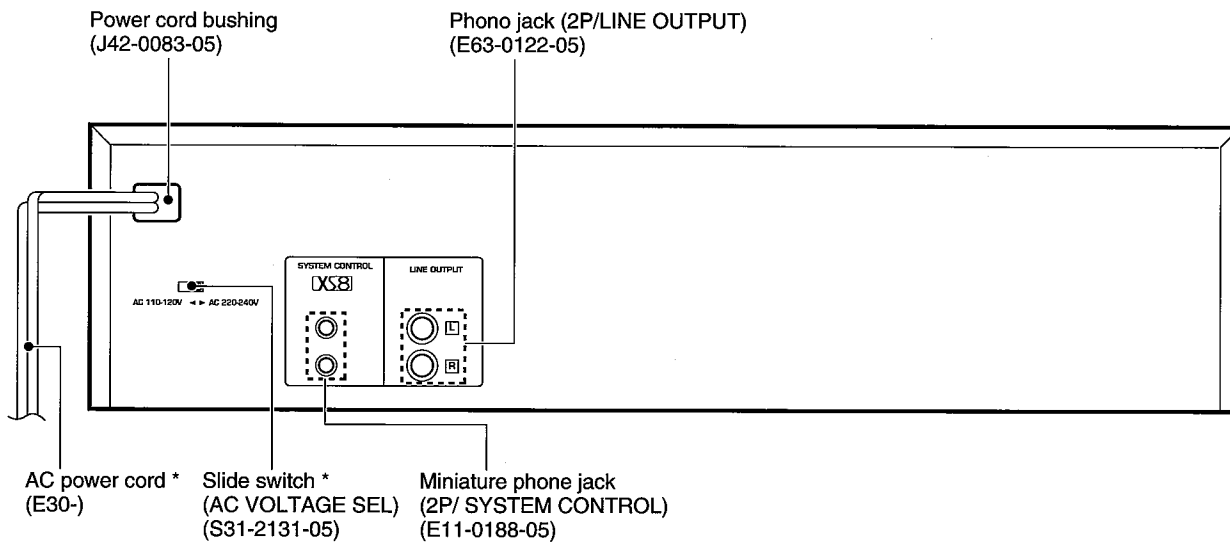
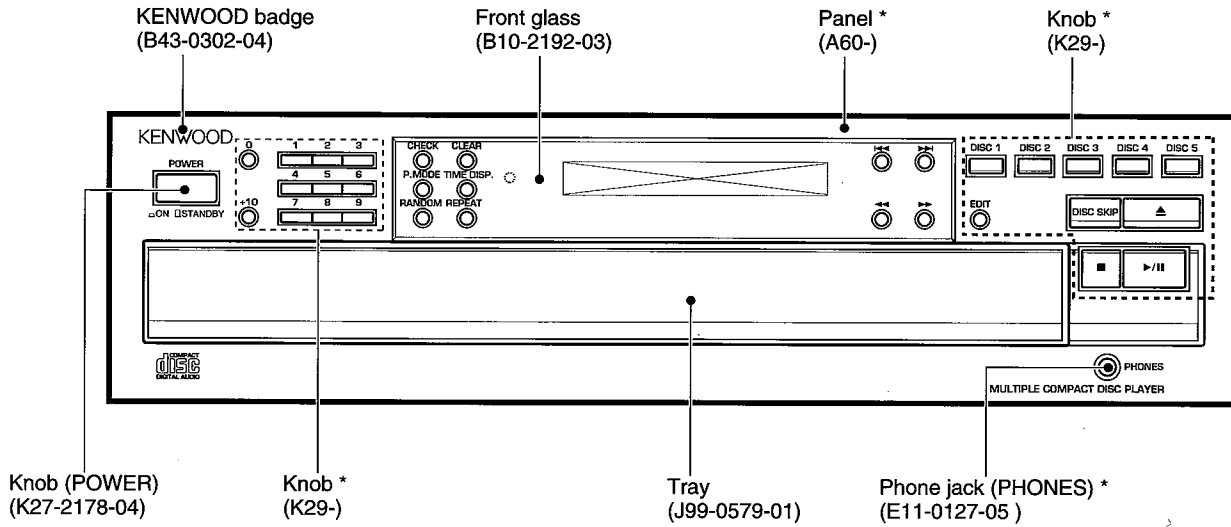
MULTIPLE COMPACT DISC PLAYER

DP-R3080/R4080

SERVICE MANUAL

KENWOOD

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

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

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

Illust is DP-R4080.

* Refer to parts list on page 18.

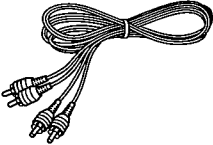
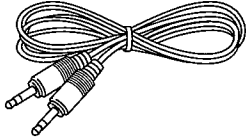
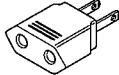
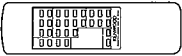
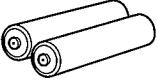
DP-R3080/R4080

CONTENTS / ACCESSORIES / CAUTION

Contents

| | | | |
|--|---|---------------------------------|------------|
| CONTENTS / ACCESSORIES / CAUTION | 2 | SCHEMATIC DIAGRAM | 11 |
| BLOCK DIAGRAM | 3 | EXPLODED VIEW (MECHANISM) | 15 |
| CIRCUIT DESCRIPTION | 4 | EXPLODED VIEW (UNIT) | 16 |
| ADJUSTMENT | 7 | PARTS LIST..... | 18 |
| PC BOARD | 9 | SPECIFICATIONS..... | BACK COVER |

Accessories

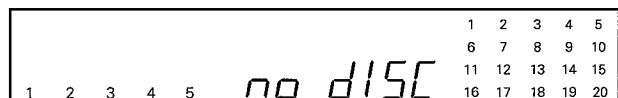
| | | |
|--|---|--|
| Audio cord (1) (E30-0505-05)  | System control cord (1) (E30-2733-05)  | AC plug adaptor (1) (E03-0115-05) M type only  |
| Remote control unit (1) (A70-1048-05: RC-P0703) DP-R4080 only  | Batteries (R6/AA) (2) DP-R4080 only  | |
| Battery cover: (A09-0146-08) | | |

Caution

Note related to transportation and movement

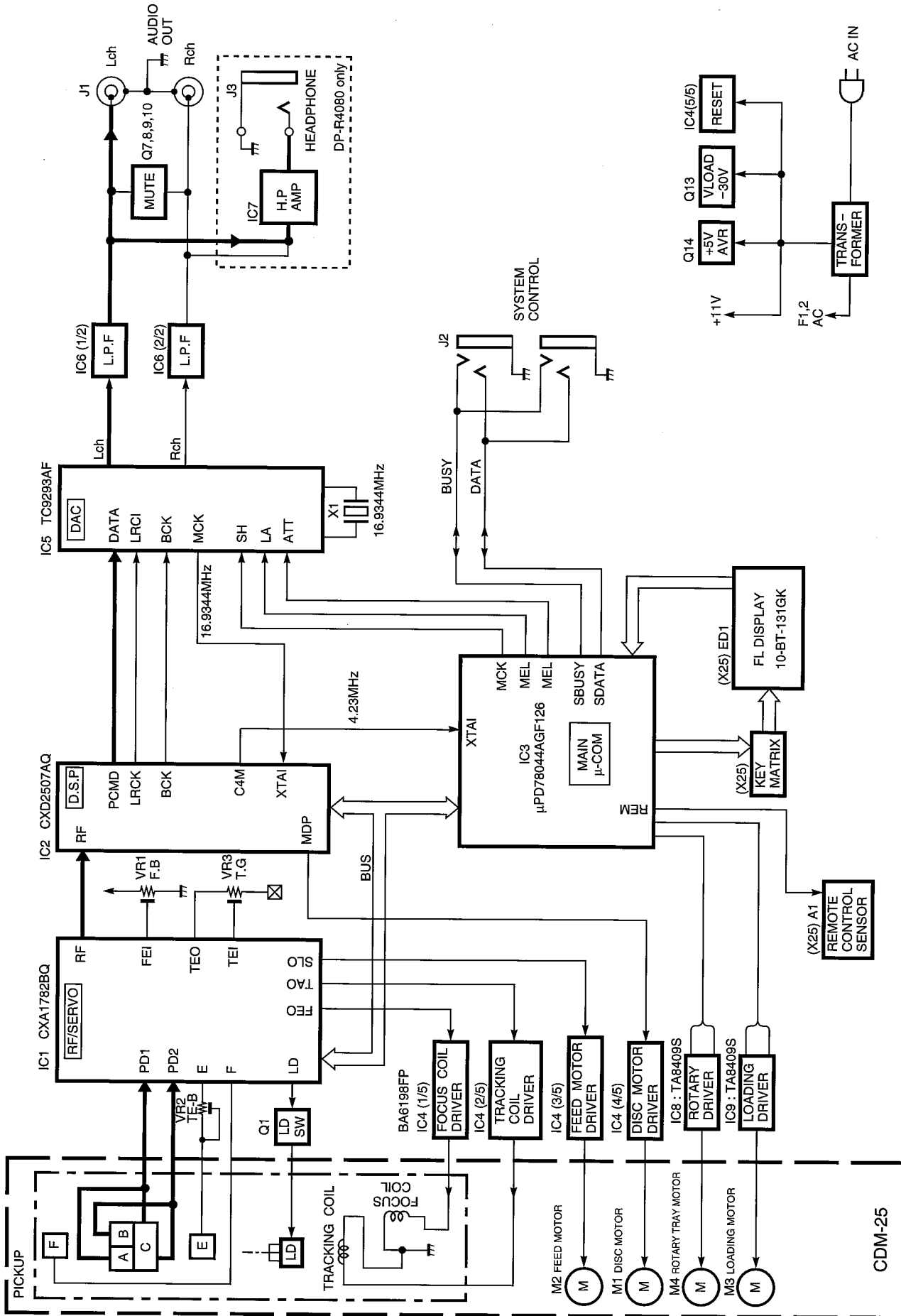
Before transporting or moving this unit, carry out the following operations.

1. Turn the power ON but do not load a disc.
2. Wait a few seconds and verify that the display shown appears.
Wait further a few seconds.
3. Turn the power OFF.



DP-R3080/R4080

BLOCK DIAGRAM

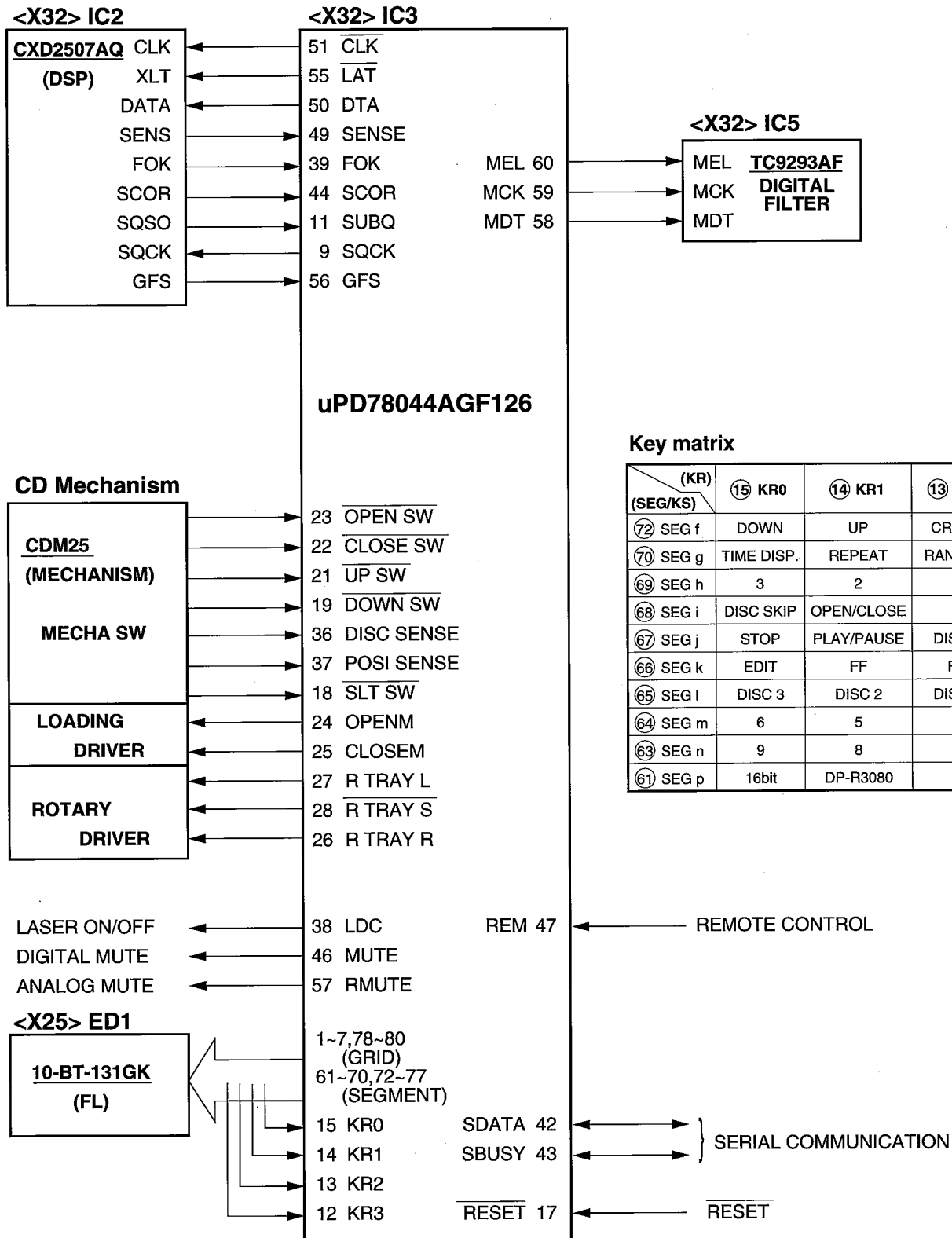


DP-R3080/R4080

CIRCUIT DESCRIPTION

1. Main Microprocessor : UPD78044AGF126(X32 : IC3)

1-1. Microprocessor periphery block diagram



Key matrix

| (KR) | ⑮ KR0 | ⑭ KR1 | ⑬ KR2 | ⑫ KR3 |
|----------|------------|------------|--------|--------|
| ⑦② SEG f | DOWN | UP | CREAR | CHECK |
| ⑦① SEG g | TIME DISP. | REPEAT | RANDOM | P.MODE |
| ⑥⑨ SEG h | 3 | 2 | 1 | 0 |
| ⑥⑧ SEG i | DISC SKIP | OPEN/CLOSE | - | - |
| ⑥⑦ SEG j | STOP | PLAY/PAUSE | DISC 5 | DISC 4 |
| ⑥⑥ SEG k | EDIT | FF | FB | - |
| ⑥⑤ SEG l | DISC 3 | DISC 2 | DISC 1 | - |
| ⑥④ SEG m | 6 | 5 | 4 | - |
| ⑥③ SEG n | 9 | 8 | 7 | +10 |
| ⑥① SEG p | 16bit | DP-R3080 | - | - |

DP-R3080/R4080

CIRCUIT DESCRIPTION

1-2. 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 | | O | Unused | |
| 11 | SUBQ | I | Q data input | |
| 12~15 | KR3~KR0 | I | Key return 3~0 | |
| 16 | | 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) | L : ACTIVE |
| 29 | AVDD | | Unused (connected to VDD) | |
| 30 | AVREF | | Unused (connected to VSS) | |
| 31 | | I | Unused | |
| 32 | | | Unused (OPEN) | |
| 33 | VSS | | GND | |
| 34 | X1 | I | System clock input | |
| 35 | X2 | | Unused | |
| 36 | DSENSE | I | CDM25 disc sensor detection | |
| 37 | PSENSE | I | CDM25 position sensor detection | |
| 38 | LDC | O | Laser signal output | L : LASER ON |
| 39 | FOK | I | FOK signal input | H : FOCUS ON |
| 40,41 | | I | Unused | |
| 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 | | | Unused | |
| 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 | | 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 | Sa~Sj/KS | O | Display segment control (Seg a~Seg j) / Key scan | |
| 71 | VLOAD | | Display drive negative power supply (-35V) | |
| 72~77 | Sk~Sp/KS | O | Display segment control (Seg k~Seg p) / Key scan | |
| 78~80 | 10G~8G | O | Display digit control (Grid10~Grid8) | |

DP-R3080/R4080

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 |

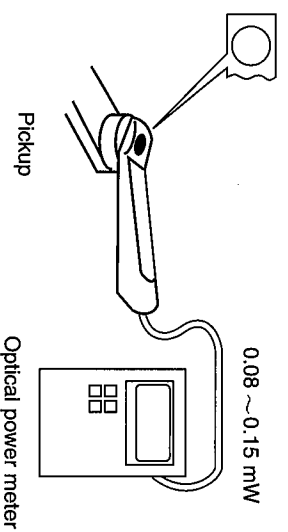
ADJUSTMENT

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) |
| <ol style="list-style-type: none"> 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 clumped.) 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 : TE (CN2 pin 6) | Press the PLAY/PAUSE key, then confirm that the display is "03". | TE BALANCE VR2 | Symmetry between upper and lower patterns | (c) |
| 3 | FOCUS ERROR BALANCE | Test disc Type 4 | Connect an oscilloscope as follows. CH1 : RF (CN2 pin 1) CH2 : TE (CN2 pin 6) | Press the PLAY/PAUSE key, then confirm that the display is "05". | FE BALANCE VR1 | Optimum eye pattern | (b) or (d) |
| 4 | TRACKING GAIN | Test disc Type 4 Apply signal of 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 VEDS-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

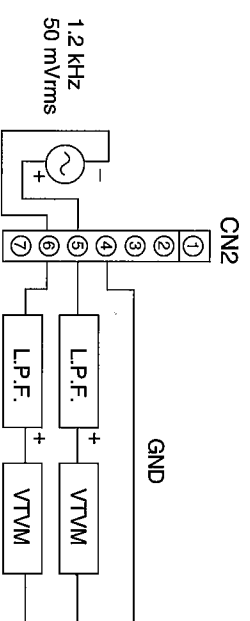
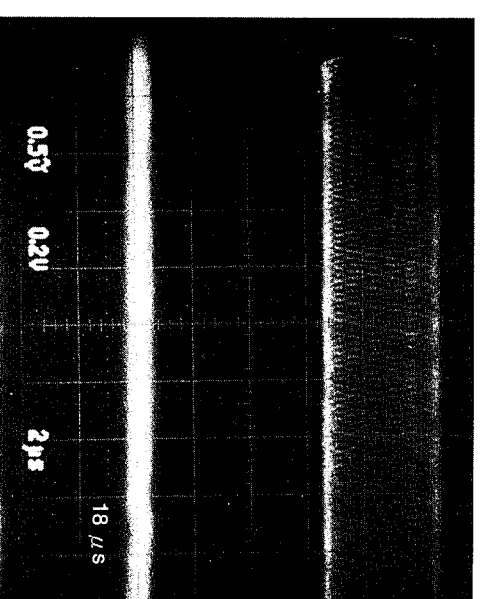
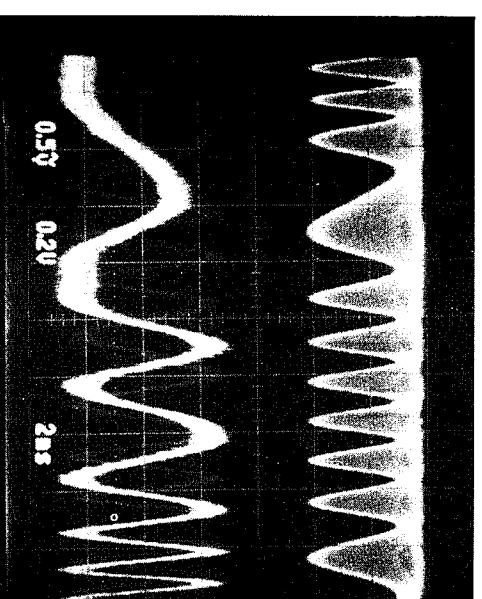


FIG. (b)



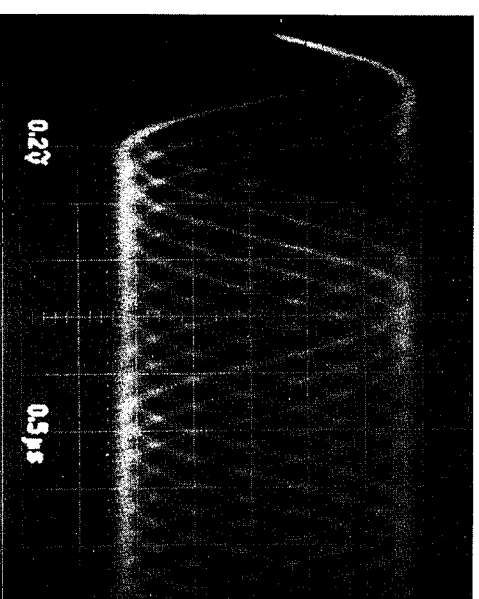
- RF signal and TE signal in test mode (PLAY).
- If the diffraction grating has been adjusted correctly, the influence of triggering is observed on the TE waveform of approx. 18 µs from RF signal trigger point, in the form of a projection.

FIG. (c)



- RF signal and TE signal in test mode (Focusing servo ON / Tracking servo OFF). (Disc Type 4)
- Adjust TE signal so that the waveform is symmetrical in relation to VC. (TE BALANCE)

FIG. (d)

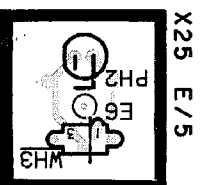
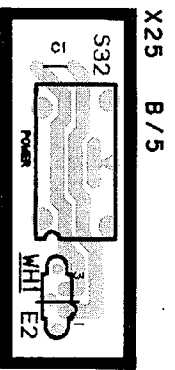
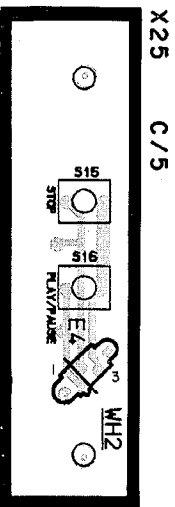
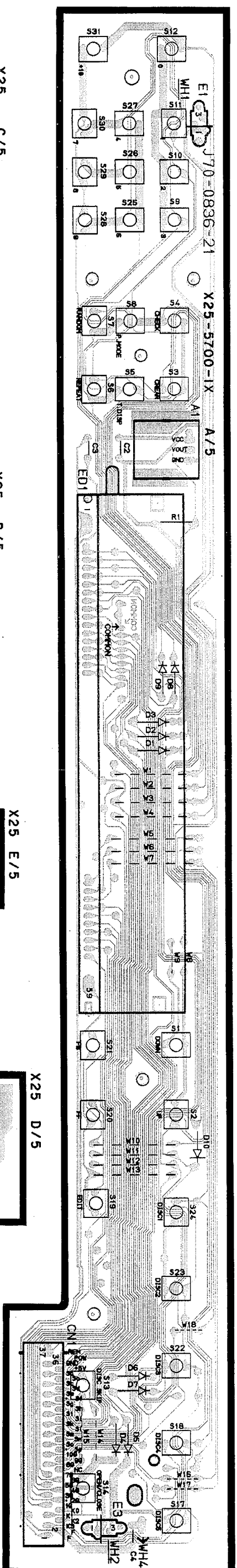


- RF signal in test mode (PLAY).
- Perform the tangential and focusing offset are focused into one point on the display. The crossing points above and below the center shall also be looked clearly. (FE BALANCE)

PC BOARD (Component side view)

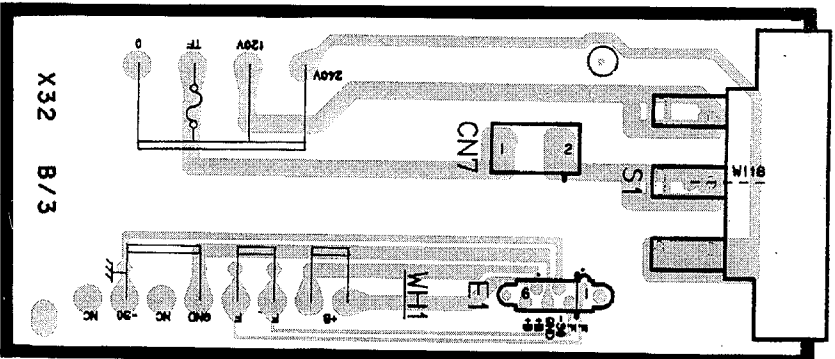
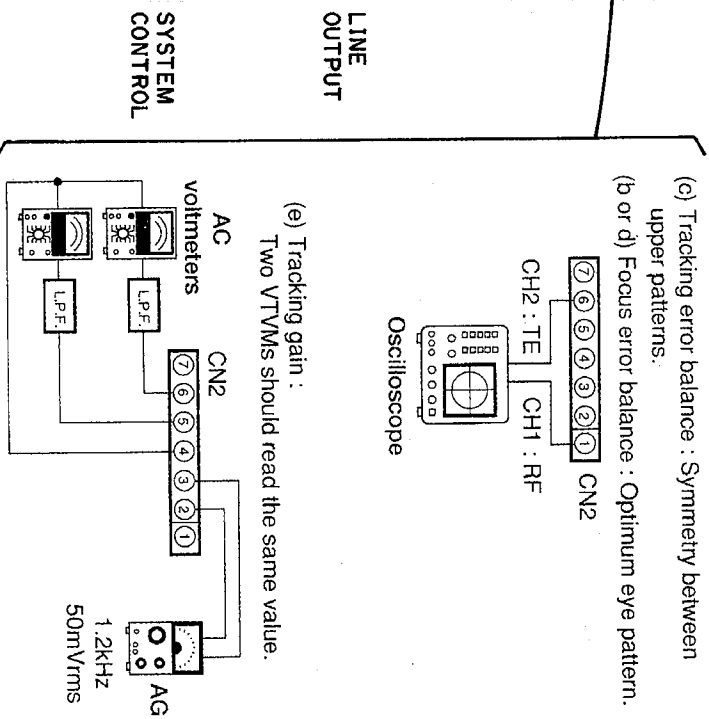
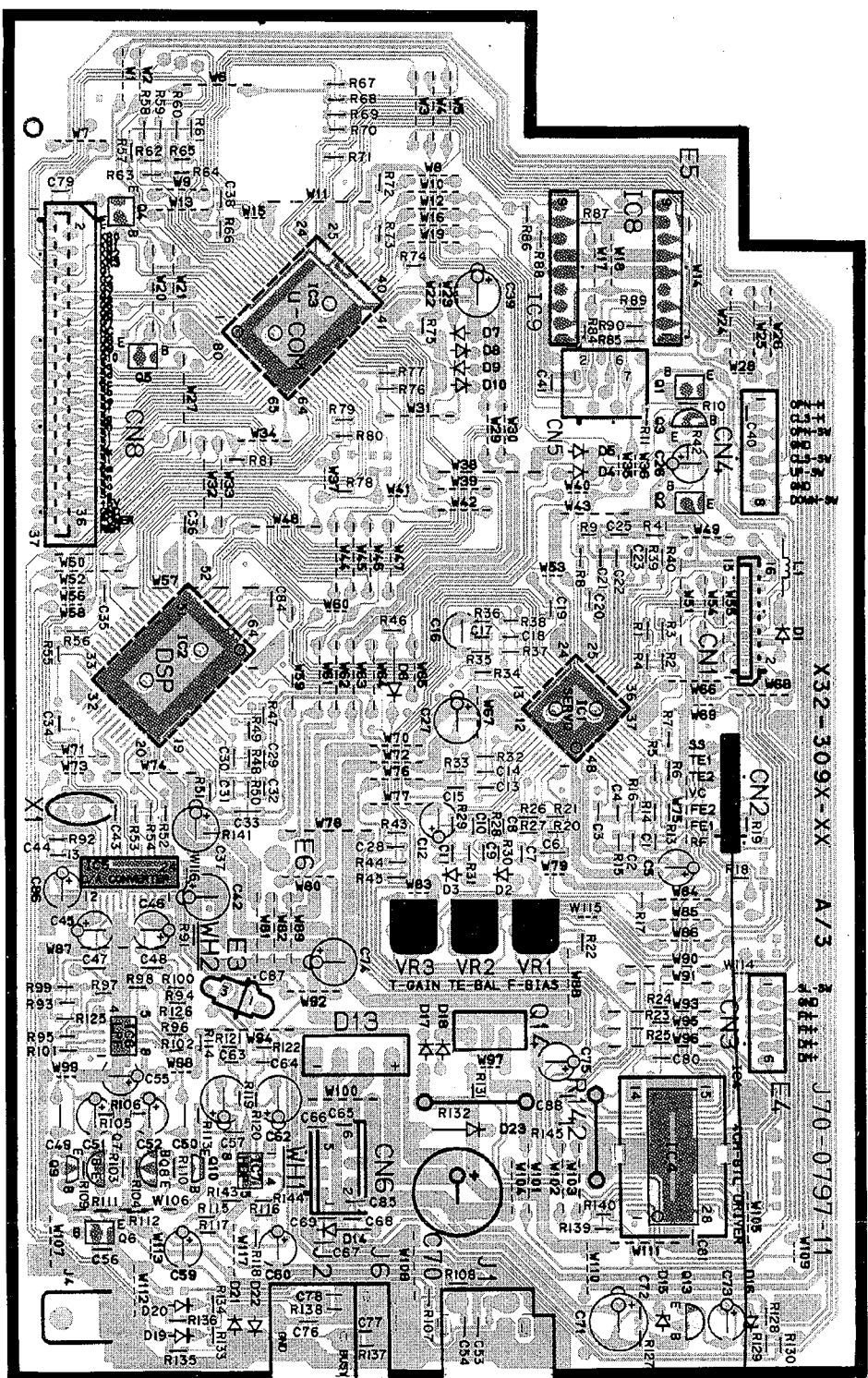
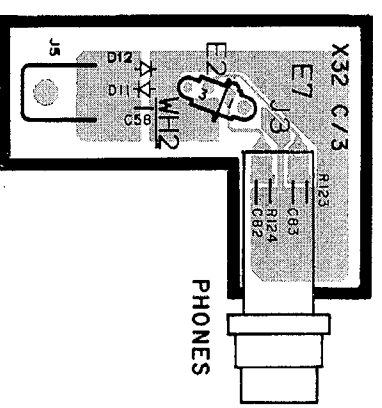
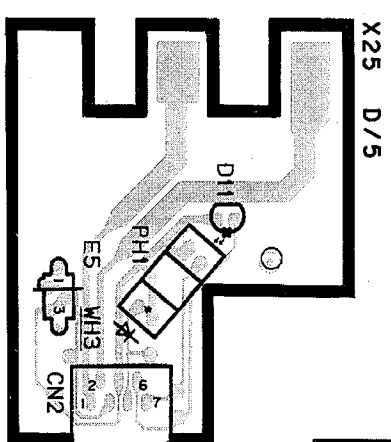
DISPLAY UNIT (X25-5700-XX)

10 : DP-R3080
11 : DP-R4080



CD PLAYER UNIT (X32-3090-XX)

10 : DP-R3080 K,P,X,E
11 : DP-R4080 K,P,X,T,E
21 : DP-R3080 M,Y
22 : DP-R4080 M,Y



DP-R3080/R4080

PARTS LIST

* New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

| Ref. No | Add-ress | New Parts | Parts No. | Description | Desig-nation | Re-marks |
|---------|----------|-----------|---------------|---------------------------------|--------------|----------|
| C81 | | | CK73FB1H103K | CHIP C | | |
| C82, 83 | | | CK73FSL1H821J | 0.010UF | | |
| C84, 85 | | | CK73FB1H103K | 820PF | K | 4 |
| C86 | | | CE04LW1A101M | 0.010UF | J | |
| C87 | | | CK73FB1H103K | 100UF | K | |
| | | | | 0.010UF | 10WV | |
| C88 | | | CK73FB1E104K | CHIP C | | |
| C89 | | | CK73FB1H103K | CHIP C | | |
| CN1 | | | E40-4856-05 | FLAT CABLE CONNECTOR (16P) | | |
| CN2 | | | E40-4876-05 | PIN ASSY (7P) | | |
| CN3 | | | E40-3250-05 | PIN ASSY (6P) | | |
| CN4 | | | E40-3252-05 | PIN ASSY (8P) | | |
| CN5 | | | E40-4187-05 | FLAT CABLE CONNECTOR (7P) | | |
| CN6 | | | E40-4296-05 | FLAT CABLE CONNECTOR (6P) | | |
| CN7 | | | E40-4345-05 | PIN ASSY (2P) | | |
| CN8 | | | E40-4924-05 | FLAT CABLE CONNECTOR (37P) | | |
| J1 | | * | E63-0122-05 | PHONE JACK (2P/LINE OUTPUT) | | |
| J2 | | | E11-0188-05 | MINIATURE PHONE JACK (2P/S.CON) | | |
| J3 | | | E11-0127-05 | PHONE JACK (PHONES) | | |
| E4-6 | | | J11-0808-05 | WIRE CLAMPER | | |
| E7 | | | J11-0808-05 | WIRE CLAMPER | | |
| L1 | | | L40-1001-17 | SMALL FIXED INDUCTOR (10UH,K) | | |
| X1 | | | L78-0289-05 | RESONATOR | | |
| R1-5 | | | CK73FB2A473J | 47K | J | 1/10W |
| R6 | | | CK73FB2A104J | 100K | J | 1/10W |
| R7 | | | CK73FB2A912J | 9.1K | J | 1/10W |
| R8 | | | CK73FB2A623J | 62K | J | 1/10W |
| R9 | | | CK73FB2A472J | 4.7K | J | 1/10W |
| R10 | | | CK73FB2A105J | 1.0M | J | 1/10W |
| R11 | | | CK73FB2A224J | 220K | J | 1/10W |
| R12 | | | CK73FB2A102J | 1.0K | J | 1/10W |
| R13 | | | CK73FB2A101J | 100 | J | 1/10W |
| R14, 15 | | | CK73FB2A334J | 330K | J | 1/10W |
| R16 | | | CK73FB2A473J | 47K | J | 1/10W |
| R17, 18 | | | CK73FB2A512J | 5.1K | J | 1/10W |
| R19 | | | CK73FB2A101J | 100 | J | 1/10W |
| R20 | | | CK73FB2A333J | 33K | J | 1/10W |
| R21 | | | CK73FB2A104J | 100K | J | 1/10W |
| R22 | | | CK73FB2A562J | 5.6K | J | 1/10W |
| R23 | | | CK73FB2A752J | 7.5K | J | 1/10W |
| R24, 25 | | | CK73FB2A104J | 100K | J | 1/10W |
| R26 | | | CK73FB2A103J | 10K | J | 1/10W |
| R27 | | | CK73FB2A684J | 680K | J | 1/10W |
| R28 | | | CK73FB2A114J | 110K | J | 1/10W |
| R29 | | | CK73FB2A105J | 1.0M | J | 1/10W |
| R30 | | | CK73FB2A114J | 110K | J | 1/10W |
| R31 | | | CK73FB2A105J | 1.0M | J | 1/10W |
| R32 | | | CK73FB2A514J | 510K | J | 1/10W |
| R33 | | | CK73FB2A563J | 56K | J | 1/10W |
| R34 | | | CK73FB2A104J | 100K | J | 1/10W |
| R35 | | | CK73FB2A223J | 22K | J | 1/10W |
| R36 | | | CK73FB2A912J | 9.1K | J | 1/10W |
| R37 | | | CK73FB2A104J | 100K | J | 1/10W |

L : Scandinavia K : USA P : Canada 3 : DP-R3080
 Y : PX(Far East, Hawaii) T : Europe E : Europe 4 : DP-R4080
 V : AAFES(Europe) X : Australia M : Other Areas
 Δ indicates safety critical components.

* New Parts
Parts without **Parts No.** are not supplied.
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Teile ohne **Parts No.** werden nicht geliefert.

| Ref. No | Add-ress | New Parts | Parts No. | Description | Desig-nation | Re-marks |
|----------|----------|-----------|---------------|-------------|--------------|----------|
| C6 | | | CK73EB1C474K | 0.47UF | K | |
| C7, 8 | | | CK73FB1E104K | 0.10UF | K | |
| C9 | | | CK73FB1H473K | 0.047UF | K | |
| C10 | | | CK73FSL1H221J | 220PF | J | |
| C11 | | | CK73FB1H102K | 1000PF | K | |
| C12 | | | CE04LW1C100M | 10UF | 16WV | |
| C13 | | | CK73FB1H333K | 0.033UF | K | |
| C14 | | | CK73FB1H103K | 0.010UF | K | |
| C15 | | | CK73FSL1H151J | 150PF | J | |
| C16 | | | CE04HW1E100M | 10UF | 25WV | |
| C17 - 19 | | | CK73FB1H103K | 0.010UF | K | |
| C20 | | | CK73FB1H333K | 0.033UF | K | |
| C21 | | | CK73FB1H103K | 0.010UF | K | |
| C22 | | | CK73FB1H222K | 2200PF | K | |
| C23 | | | CK73FB1H103K | 0.010UF | K | |
| C25 | | | CK73FSL1H680J | 68PF | J | |
| C26 | | | CE04LW1A101M | 100UF | 10WV | |
| C27 | | | CE04LW0J331M | 330UF | 6.3WV | |
| C28 | | | CK73FB1H333K | 0.033UF | K | |
| C29 | | | CK73FB1H473K | 0.047UF | K | |
| C30 | | | CK73FB1H152K | 1500PF | K | |
| C31 | | | CK73FB1H103K | 0.010UF | K | |
| C32 | | | CK73FB1H332K | 3300PF | K | |
| C33 | | | CK73EB1C474K | 0.47UF | K | |
| C34, 35 | | | CK73FB1H102K | 1000PF | K | |
| C36 | | | CK73FB1H103K | 0.010UF | K | |
| C37 | | | CE04LW0J331M | 330UF | 6.3WV | |
| C38 | | | CK73FB1H103K | 0.010UF | K | |
| C39 | | | CE04LW0J331M | 330UF | 6.3WV | |
| C40, 41 | | | CK73FB1E104K | 0.10UF | K | |
| C42 | | | CE04LW0J221M | 220UF | 6.3WV | |
| C43 | | | CK73FB1H223K | 0.022UF | K | |
| C44 | | | CK73FSL1H220J | 22PF | J | |
| C45, 46 | | | CE04LW1A101M | 100UF | 10WV | |
| C47, 48 | | | CQ93FMG1H102J | 1000PF | J | |
| C49, 50 | | | CQ93FMG1H821J | 820PF | J | |
| C51, 52 | | | CE04LW1C100M | 10UF | 16WV | |
| C53, 54 | | | CK73FSL1H821J | 820PF | J | |
| C55 | | | CE04LW1C470M | 47UF | 16WV | |
| C56 | | | CK73FB1H103K | 0.010UF | K | 4 |
| C57, 58 | | | CK73FB1H103K | 0.010UF | K | 4 |
| C59, 60 | | | CE04LW1H2R2M | 2.2UF | 50WV | 4 |
| C61, 62 | | | CE04LW0J221M | 220UF | 6.3WV | 4 |
| C63, 64 | | | CK73FB1H103K | 0.010UF | K | 4 |
| C65-69 | | | CK73FB1H103K | 0.010UF | K | |
| C70 | | | CE04LW1C222M | 2200UF | 16WV | |
| C71 | | | CE04LW1H101M | 100UF | 50WV | |
| C72 | | | CK73FB1H103K | 0.010UF | K | |
| C73 | | | CE04LW1H100M | 10UF | 50WV | |
| C74 | | | CE04LW0J221M | 220UF | 6.3WV | |
| C75 | | | CE04LW1H4R7M | 4.7UF | 50WV | |
| C76 | | | CK73FB1H473K | 0.047UF | K | |
| C77, 78 | | | CK73FSL1H221J | 220PF | J | |
| C79 | | | CK73FB1H103K | 0.010UF | K | |
| C80 | | | CK73FSL1H470J | 47PF | J | |

L : Scandinavia K : USA P : Canada 3 : DP-R3080
 Y : PX(Far East, Hawaii) T : Europe E : Europe 4 : DP-R4080
 V : AAFES(Europe) X : Australia M : Other Areas
 Δ indicates safety critical components.

DP-R3080/R4080

PARTS LIST

* New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

* New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

| Ref. No | Add-ress | New Parts | Parts No. | Description | 1/10W | Desti-nation | Re-marks |
|-----------|----------|-----------|--------------|-------------|-------|--------------|----------|
| R38 | | | RK73FB2A244J | CHIP R | 1/10W | | |
| R39 | | | RK73FB2A152J | CHIP R | 1/10W | | |
| R40 | | | RK73FB2A752J | CHIP R | 1/10W | | |
| R41 | | | RK73FB2A102J | CHIP R | 1/10W | | |
| R42 | | | RK73FB2A100J | CHIP R | 1/10W | | |
| R43, 44 | | | RK73FB2A472J | CHIP R | 1/10W | | |
| R45 | | | RK73FB2A103J | CHIP R | 1/10W | | |
| R46 | | | RK73FB2A154J | CHIP R | 1/10W | | |
| R47 | | | RK73FB2A332J | CHIP R | 1/10W | | |
| R48 | | | RK73FB2A103J | CHIP R | 1/10W | | |
| R49 | | | RK73FB2A332J | CHIP R | 1/10W | | |
| R50 | | | RK73FB2A105J | CHIP R | 1/10W | | |
| R51 | | | RK73FB2A104J | CHIP R | 1/10W | | |
| R52-54 | | | RK73FB2A471J | CHIP R | 1/10W | | |
| R55 | | | RK73FB2A104J | CHIP R | 1/10W | | |
| R56 | | | RK73FB2A102J | CHIP R | 1/10W | | |
| R57 | | | RK73FB2A473J | CHIP R | 1/10W | | |
| R58-61 | | | RK73FB2A473J | CHIP R | 1/10W | | |
| R62-66 | | | RK73FB2A473J | CHIP R | 1/10W | | |
| R67-71 | | | RK73FB2A472J | CHIP R | 1/10W | | |
| R72 | | | RK73FB2A473J | CHIP R | 1/10W | | |
| R73 | | | RK73FB2A104J | CHIP R | 1/10W | | |
| R74, 75 | | | RK73FB2A473J | CHIP R | 1/10W | | |
| R76, 77 | | | RK73FB2A472J | CHIP R | 1/10W | | |
| R78-81 | | | RK73FB2A102J | CHIP R | 1/10W | | |
| R84-86 | | | RK73FB2A103J | CHIP R | 1/10W | | |
| R87 | | | RK73FB2A473J | CHIP R | 1/10W | | |
| R88 | | | RK73FB2A123J | CHIP R | 1/10W | | |
| R89, 90 | | | RK73FB2A181J | CHIP R | 1/10W | | |
| R91 | | | RK73FB2A220J | CHIP R | 1/10W | | |
| R92 | | | RK73FB2A471J | CHIP R | 1/10W | | |
| R93, 94 | | | RK73FB2A562J | CHIP R | 1/10W | | |
| R95, 96 | | | RK73FB2A752J | CHIP R | 1/10W | | |
| R97, 98 | | | RK73FB2A153J | CHIP R | 1/10W | | |
| R99, 100 | | | RK73FB2A562J | CHIP R | 1/10W | | |
| R101, 102 | | | RK73FB2A103J | CHIP R | 1/10W | | |
| R103, 104 | | | RK73FB2A681J | CHIP R | 1/10W | | |
| R105, 106 | | | RK73FB2A104J | CHIP R | 1/10W | | |
| R107, 108 | | | RK73FB2A331J | CHIP R | 1/10W | | |
| R109, 110 | | | RK73FB2A102J | CHIP R | 1/10W | | |
| R111, 112 | | | RK73FB2A223J | CHIP R | 1/10W | | |
| R113 | | | RK73FB2A222J | CHIP R | 1/10W | | |
| R114 | | | RK73FB2A271J | CHIP R | 1/10W | | |
| R115, 116 | | | RK73FB2A393J | CHIP R | 1/10W | | |
| R117, 118 | | | RK73FB2A473J | CHIP R | 1/10W | | |
| R119, 122 | | | RK73FB2A100J | CHIP R | 1/10W | | |
| R123, 124 | | | RK73FB2A102J | CHIP R | 1/10W | | |
| R125, 126 | | | RK73FB2A662J | CHIP R | 1/10W | | |
| R127 | | | RK73FB2A472J | CHIP R | 1/10W | | |
| R128 | | | RK73FB2A103J | CHIP R | 1/10W | | |
| R129, 130 | | | RK73FB2A101J | CHIP R | 1/10W | | |
| R131 | | | RK73FB2A6R6J | CHIP R | 1/10W | | |
| R132 | | | RS14KB3D151J | FL-PROOF RS | 2W | | |
| R133, 134 | | | RK73FB2A331J | CHIP R | 1/10W | | |
| R135-138 | | | RK73FB2A104J | CHIP R | 1/10W | | |
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| Δ 154 | | | | | | | |
| Δ 155 | | | | | | | |
| Δ 156 | | | | | | | |

DP-R3080/R4080

PARTS LIST

* New Parts
 Parts without **Parts No.** are not supplied.
 Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.
 Teile ohne **Parts No.** werden nicht geliefert.

7

| Ref. No | Add- ress | New Parts | Parts No. | Description | Desig- nation | Re- marks |
|---------|--------------|--------------|-------------|---------------------|------------------|--------------|
| 5 | 2B | | E09-0250-04 | CAP | | |
| 7 | 2A | | D10-3439-13 | ARM | | |
| 8 | 2B | | D10-3438-12 | SLIDER | | |
| 9 | 1A | | D13-1577-14 | GEAR | | |
| 10 | 2A | | D13-1578-04 | GEAR | | |
| 11 | 2A | | D13-1579-04 | GEAR | | |
| 12 | 3D | | D13-1682-04 | WORM | | |
| 13 | 2C | | D13-1881-04 | GEAR | | |
| 14 | 2C,2F | | D14-0357-04 | ROLLER | | |
| 16 | 3A | | D15-0359-04 | PULLEY | | |
| 17 | 1A | | D16-0355-03 | BELT | | |
| 18 | 2A | | D21-1763-14 | SHAFT | | |
| 19 | 2B | | D10-3619-08 | GUIDE SHAFT | | |
| 20 | 1B | | D13-1728-08 | GEAR | | (DRIVE) |
| 21 | 1B | | D13-1728-08 | GEAR | | (MIDDLE) |
| 25 | 3D | | E36-0747-25 | FLAT CABLE (7P) | | |
| 26 | 1B | | E36-1317-05 | FLAT CABLE (16P) | | |
| 29 | 2B | | E36-1318-05 | WIRING HARNESS (6P) | | |
| 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 | | |
| 40 | 2A | | G01-3697-24 | EXTENSION SPRING | | |
| 41 | 2C | | G02-1065-04 | FLAT SPRING | | |
| 43 | 2B | | J02-1121-04 | INSULATOR | | |
| 44 | 1A | | J11-0198-03 | CLAMPER | | |
| 45 | 3D | | J19-3634-04 | HOLDER | | |
| 46 | 2A | | J90-0811-04 | GUIDE | | |
| 47 | 2F | | J90-0810-22 | GUIDE | | |
| 48 | 3C | | J99-0579-01 | TRAY | | |
| 49 | 2C | | J99-0547-01 | TRAY | | |
| AK | | | N19-1417-08 | FLAT WASHER | | |
| 55 | 2A,3A | | S93-2061-05 | LEVER SWITCH | | |
| 56 | 2B | | S74-0054-08 | LEAF SWITCH | | |
| 63 | 1A | | T50-1055-04 | YOKE | | |
| 64 | 1A | | T99-0544-15 | MAGNET | | |
| FM | 2B | | T42-0840-08 | FEED MOTOR ASSY | | |
| LM | 3A | | T42-0524-05 | DC MOTOR | | |
| PU | 1B | | T25-0048-05 | PICKUP | | |
| RM | 3D | | T42-0828-05 | DC MOTOR | | |

L : Scandinavia
 Y : PX(Far East, Hawaii)
 Y : AAFES(Europe)

K : USA
 T : Europe
 X : Australia

P : Canada
 E : Europe
 M : Other Areas

⚠ indicates safety critical components.

DP-R3080/R4080

SPECIFICATIONS

[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, ± 1.0 dB
Signal to noise ratio More than 96 dB
Dynamic range More than 94 dB
Total harmonic distortion + noise
..... Less than 0.007 % (at 1kHz)

Channel separation More than 90 dB (at 1 kHz)
Wow flutter Unmeasurable limit
Output level / impedance
Fixed 2.0 V / 1.0 k Ω
Headphone output (max.) 20 mW / 32 Ω
(DP-R4080 only)

[General]

Power consumption 10 W
Dimensions W : 440 mm (17-5/16")
H : 123 mm (4-13/16")
D : 396 mm (15-9/16")
Weight (Net) 4.9 kg (10.8 lb)

Note:

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

Note:

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on the General market(M) 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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KENWOOD & LEE ELECTRONICS, LTD.

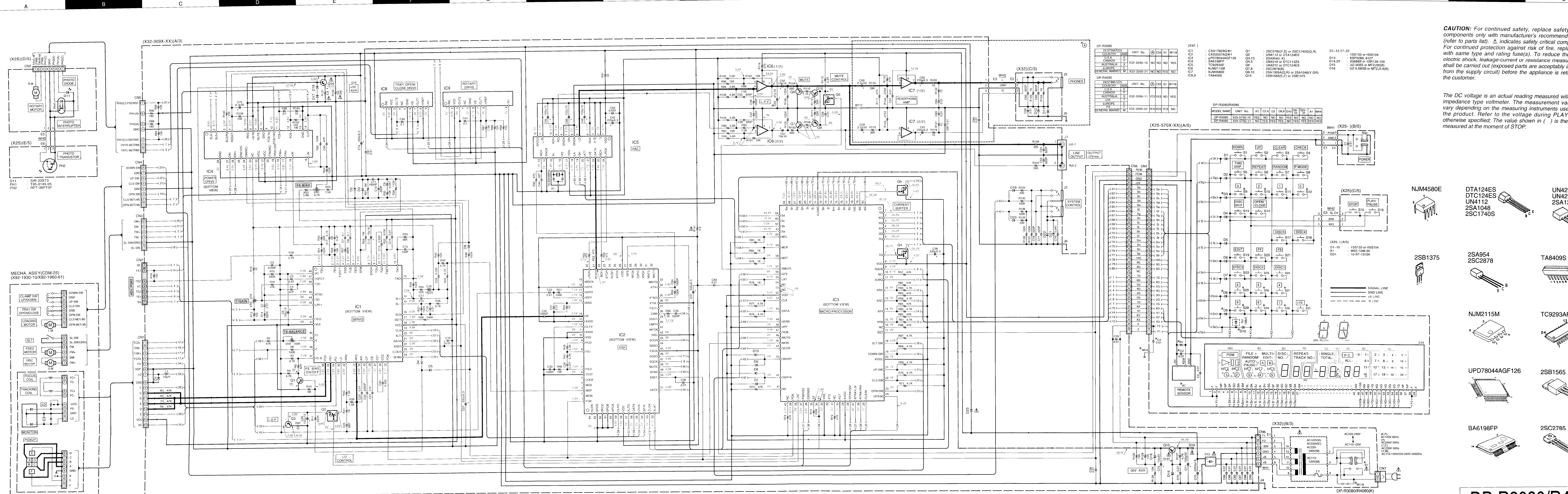
Unit 3712-3724, Level 37, Tower 1, Metroplaza, 223 Hing Fong Road, Kwai Fong N.T., Hong Kong

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No. 1 Genting Lane # 07-00, KENWOOD Building, Singapore, 349544

KENWOOD ELECTRONICS (MALAYSIA) SDN BHD

10th Floor, Block B, Wisma Semantan, No. 12 Janlan Gelenggang, Bukit Damarsara, 50490 Kuala Lumpur, Malaysia

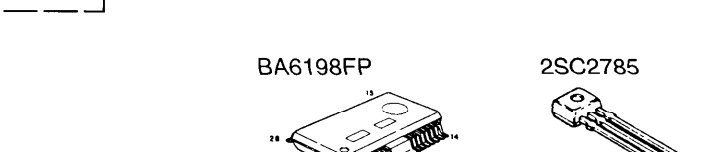
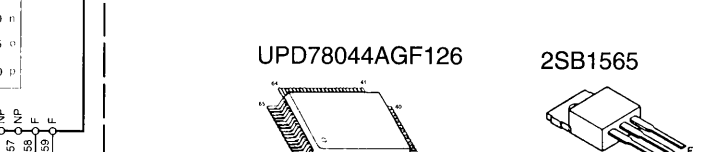
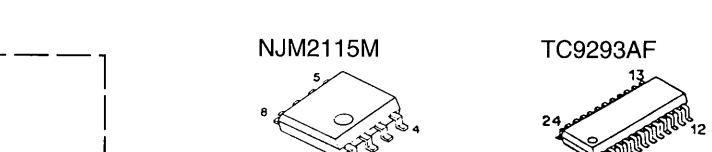
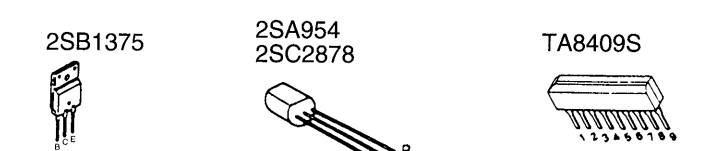
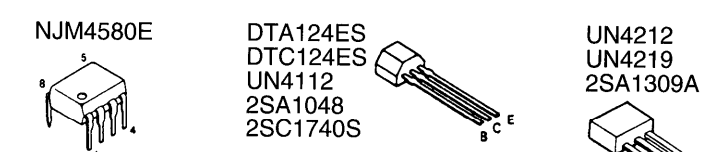


| DESIGNATION | UNIT No. | C | S | W | H |
|-------------|-------------|----|-----|-----|-----|
| DP-R3080 | X25-5700-10 | NO | NO | NO | YES |
| DP-R4080 | X25-5700-11 | NO | YES | YES | YES |

| DESIGNATION | UNIT No. | C | S | W | H |
|-------------|-------------|----|-----|-----|-----|
| DP-R3080 | X25-5700-10 | NO | NO | NO | NO |
| DP-R4080 | X25-5700-11 | NO | YES | YES | YES |

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.

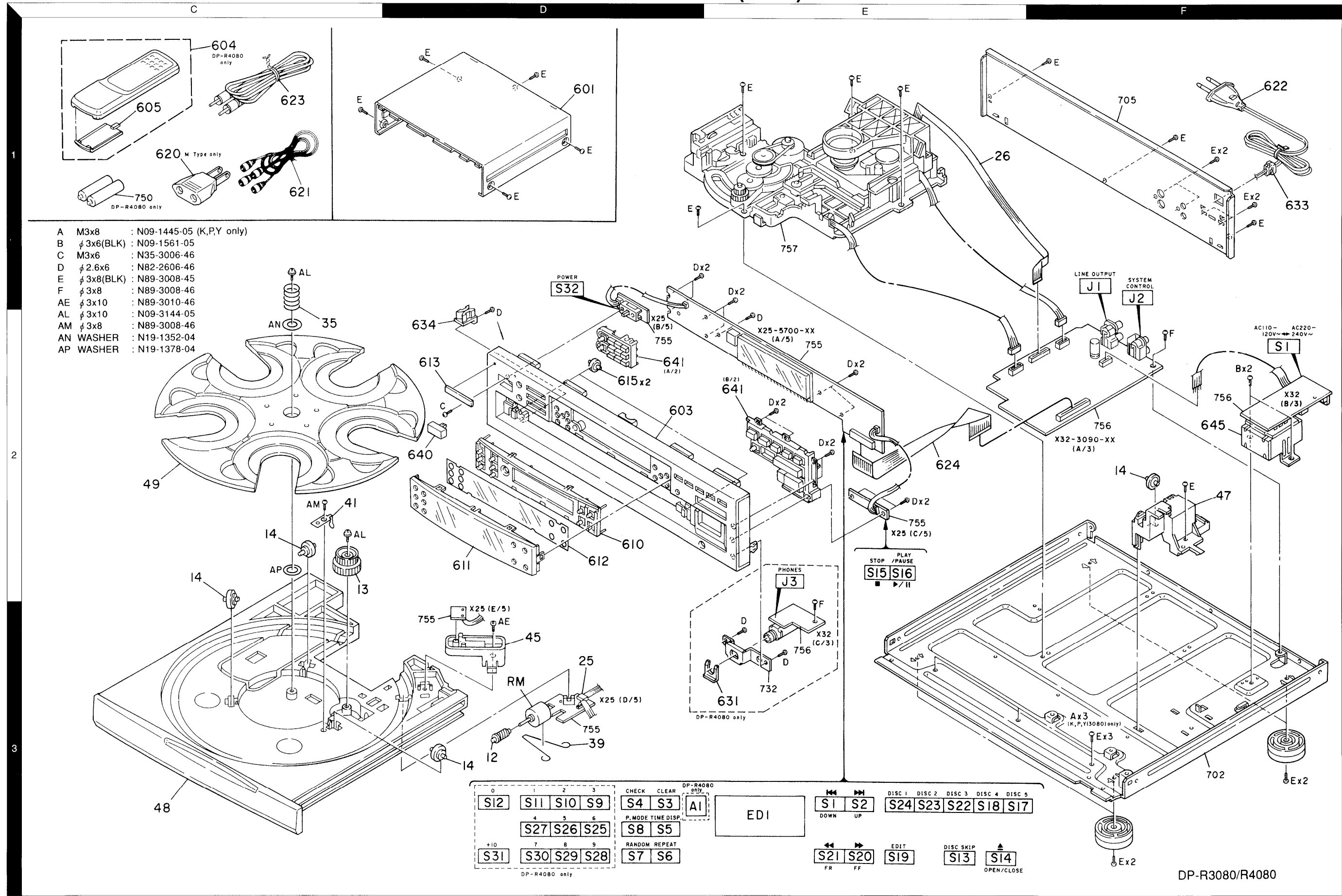
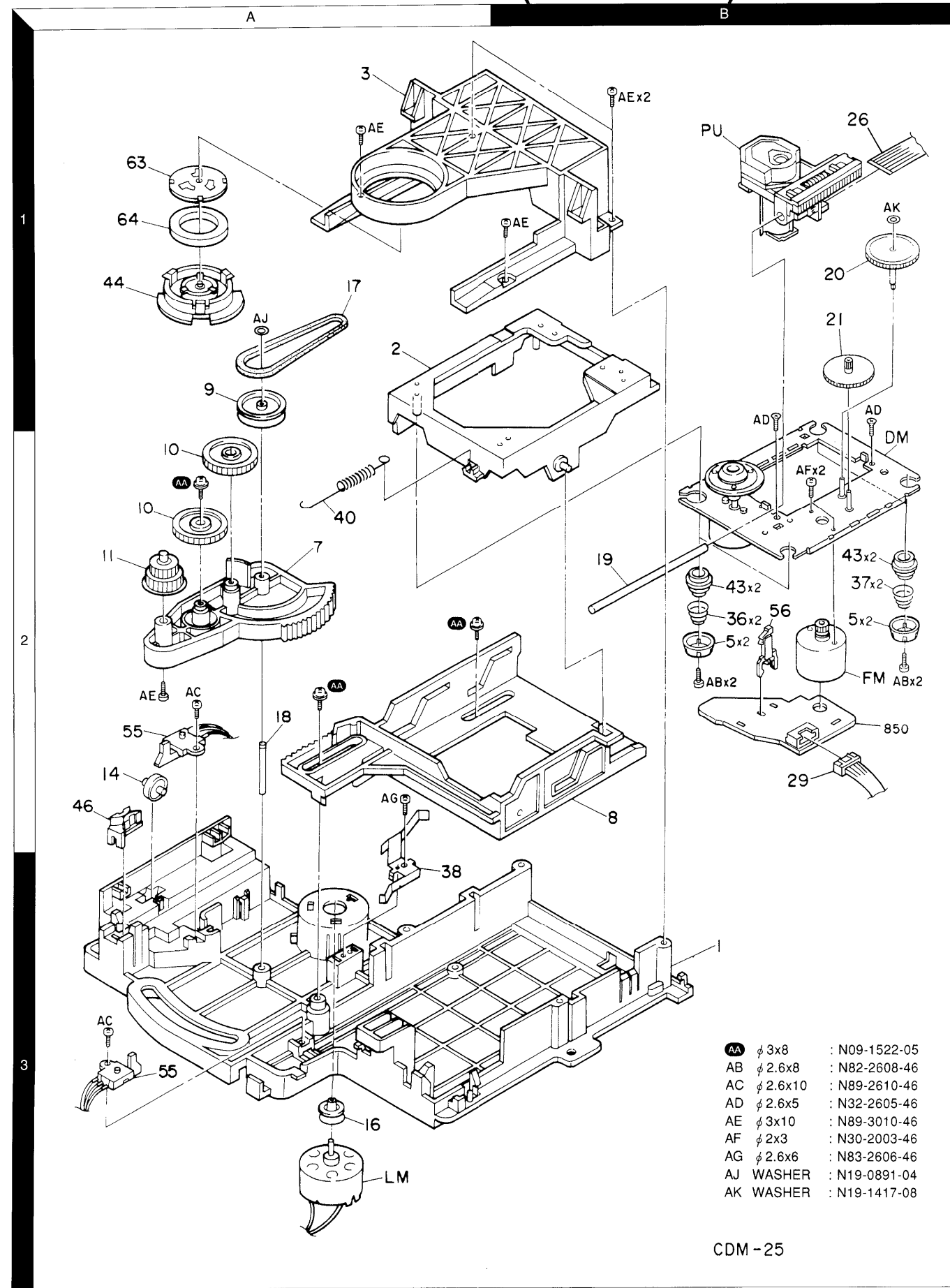
The DC voltage is an actual reading measured with a high impedance type voltmeter. The measurement value may vary depending on the measuring instruments used or on the product. Refer to the voltage during PLAY unless otherwise specified; The value shown in () is the voltage measured at the moment of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



EXPLODED VIEW (MECHANISM)

EXPLODED VIEW (UNIT)

PARTS LIST



| Ref. No. | Add. res. | New Parts | Description | Re-mark | Dist-nation |
|----------|-----------|-----------|------------------------------|---------|-------------|
| 601 | | | METALLIC CABINET | | 3 |
| 602 | | | PANEL | | 4 |
| 603 | | | PANEL | | 4 |
| 604 | | | REMO. CON. ASSY (FC-P0703) | | 4 |
| 605 | | | BATTERY COVER | | 4 |
| 610 | | | ESCUTCHEON | | 3 |
| 611 | | | FRONT GLASS | | 4 |
| 612 | | | FRONT GLASS | | 4 |
| 613 | | | KENWOOD BADGE | | 4 |
| 620 | | | WARRANTY CARD | | 3 |
| 621 | | | WARRANTY CARD | | 3 |
| 622 | | | QUESTONNAIRE CARD | | 3 |
| 623 | | | CAUTION CARD (PRESET220-240) | | 4 |
| 624 | | | CAUTION CARD (CAUTION/ LUL) | | 4 |
| 625 | | | CAUTION CARD (TX TYPE PL) | | 4 |
| 626 | | | CAUTION CARD (P TYPE PL) | | 4 |
| 627 | | | SERVICE DIRECTORY | | 4 |
| 628 | | | INSTRUCTION MANUAL (EN) | | 4 |
| 629 | | | INSTRUCTION MANUAL (JA) | | 4 |
| 630 | | | INSTRUCTION MANUAL (IT) | | 4 |
| 631 | | | INSTRUCTION MANUAL (SP) | | 4 |
| 632 | | | INSTRUCTION MANUAL (TAIWAN) | | 4 |
| 633 | | | ROLLER | | 4 |
| 634 | | | AC PLUG ADAPTER | | 4 |
| 635 | | | AC POWER CORD | | 4 |
| 636 | | | AC POWER CORD | | 4 |
| 637 | | | AC POWER CORD | | 4 |
| 638 | | | AC POWER CORD | | 4 |
| 639 | | | AC POWER CORD | | 4 |
| 640 | | | AC POWER CORD | | 4 |
| 641 | | | AC POWER CORD | | 4 |
| 642 | | | AC POWER CORD | | 4 |
| 643 | | | AC POWER CORD | | 4 |
| 644 | | | AC POWER CORD | | 4 |
| 645 | | | AC POWER CORD | | 4 |
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| 647 | | | AC POWER CORD | | 4 |
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| 650 | | | AC POWER CORD | | 4 |
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| 659 | | | AC POWER CORD | | 4 |
| 660 | | | AC POWER CORD | | 4 |
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| 662 | | | AC POWER CORD | | 4 |
| 663 | | | AC POWER CORD | | 4 |
| 664 | | | AC POWER CORD | | 4 |
| 665 | | | AC POWER CORD | | 4 |
| 666 | | | AC POWER CORD | | 4 |
| 667 | | | AC POWER CORD | | 4 |
| 668 | | | AC POWER CORD | | 4 |
| 669 | | | AC POWER CORD | | 4 |
| 670 | | | AC POWER CORD | | 4 |
| 671 | | | AC POWER CORD | | 4 |
| 672 | | | AC POWER CORD | | 4 |
| 673 | | | AC POWER CORD | | 4 |
| 674 | | | AC POWER CORD | | 4 |
| 675 | | | AC POWER CORD | | 4 |
| 676 | | | AC POWER CORD | | 4 |
| 677 | | | AC POWER CORD | | 4 |
| 678 | | | AC POWER CORD | | 4 |
| 679 | | | AC POWER CORD | | 4 |
| 680 | | | AC POWER CORD | | 4 |
| 681 | | | AC POWER CORD | | 4 |
| 682 | | | AC POWER CORD | | 4 |
| 683 | | | AC POWER CORD | | 4 |
| 684 | | | AC POWER CORD | | 4 |
| 685 | | | AC POWER CORD | | 4 |
| 686 | | | AC POWER CORD | | 4 |
| 687 | | | AC POWER CORD | | 4 |
| 688 | | | AC POWER CORD | | 4 |
| 689 | | | AC POWER CORD | | 4 |
| 690 | | | AC POWER CORD | | 4 |
| 691 | | | AC POWER CORD | | 4 |
| 692 | | | AC POWER CORD | | 4 |
| 693 | | | AC POWER CORD | | 4 |
| 694 | | | AC POWER CORD | | 4 |
| 695 | | | AC POWER CORD | | 4 |
| 696 | | | AC POWER CORD | | 4 |
| 697 | | | AC POWER CORD | | 4 |
| 698 | | | AC POWER CORD | | 4 |
| 699 | | | AC POWER CORD | | 4 |
| 700 | | | AC POWER CORD | | 4 |

Δ indicates safety critical components.