

CD RECEIVER

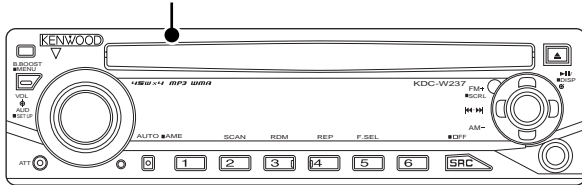
KDC-W237AY/W237GY
 KDC-W3037AY/W3037GY
 KDC-W311AY/W311GY
 KDC-W3537AY/W3537GY/W4037Y
SERVICE MANUAL

KENWOOD

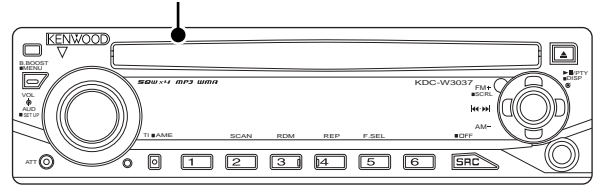
Kenwood Corporation

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 B53-0483-00 (N) 229

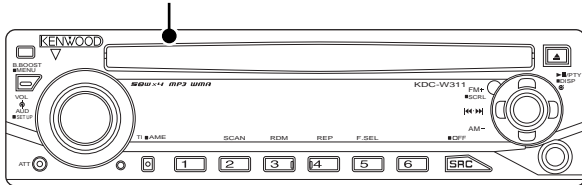
Panel assy
 KDC-W237AY/W237GY (A64-4058-02)



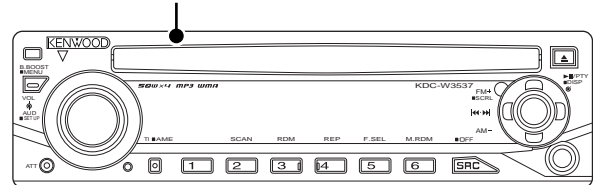
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 KDC-W3037AY/W3037GY (A64-4056-12)



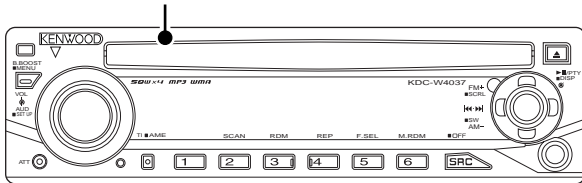
Panel assy
 KDC-W311AY/W311GY (A64-4057-12)



Panel assy
 KDC-W3537AY/W3537GY (A64-4042-12)



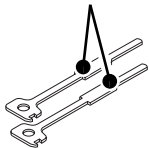
Panel assy
 KDC-W4037Y (A64-4038-12)



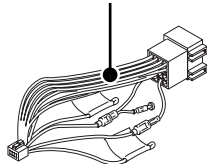
SPARE TDF PANEL

| MAIN UNIT NAME | TDF PARTS No. | TDF NAME |
|----------------|---------------|------------|
| KDC-W237AY | Y33-2660-60 | TDF-W237A |
| KDC-W237GY | Y33-2660-61 | TDF-W237G |
| KDC-W3037AY | Y33-2650-63 | TDF-W3037A |
| KDC-W3037GY | Y33-2650-64 | TDF-W3037G |
| KDC-W311AY | Y33-2650-65 | TDF-W311A |
| KDC-W311GY | Y33-2650-66 | TDF-W311G |
| KDC-W3537AY | Y33-2650-61 | TDF-W3537A |
| KDC-W3537GY | Y33-2650-62 | TDF-W3537G |
| KDC-W4037Y | Y33-2650-60 | TDF-W4037 |

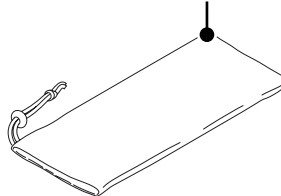
Lever
 (D10-4589-04) x2



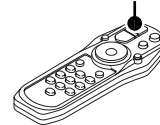
DC cord
 (E30-6427-05)



Carrying case
 (W01-1685-05)



* Remote controller assy (RC-557)
 (A70-2087-05)

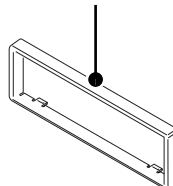


Battery
 (Not supplied)

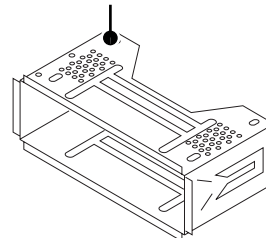
Antenna adaptor
 (T90-0523-05)



* Escutcheon
 (B07-xxxx-xx)



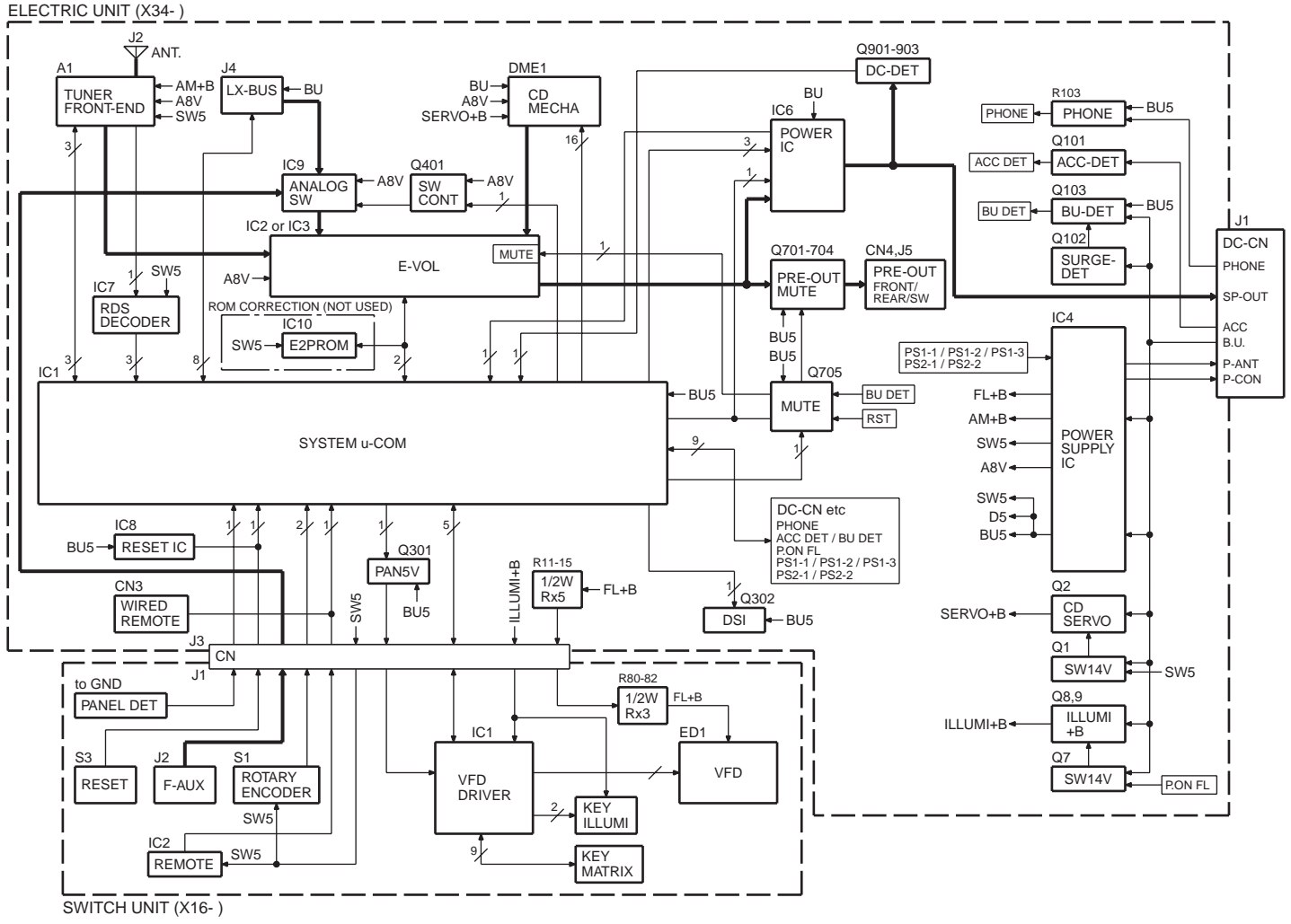
Mounting hardware assy
 (J21-9716-03)



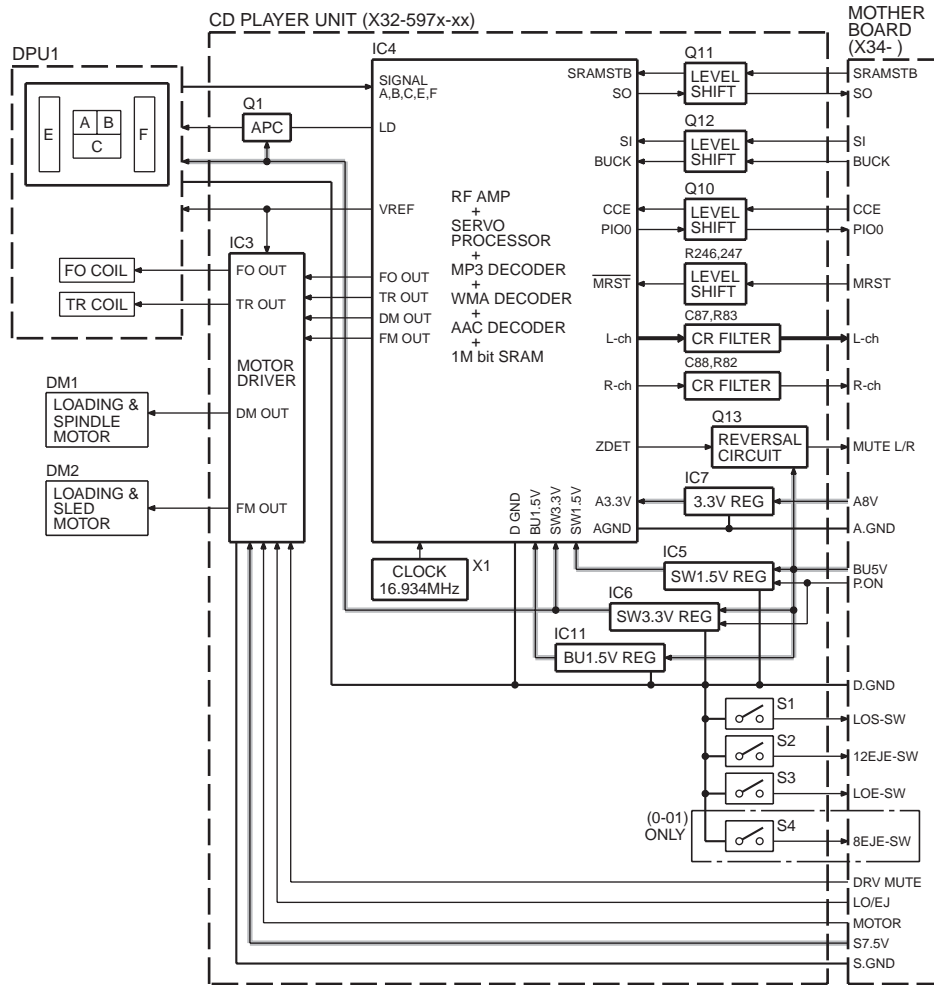
* Depends on the model. Refer to the parts list.



BLOCK DIAGRAM



BLOCK DIAGRAM



COMPONENTS DESCRIPTION

● ELECTRIC UNIT (X34-467x-xx)

| Ref. No. | Application / Function | Operation / Condition / Compatibility |
|----------|-------------------------|--|
| IC1 | System μ -COM | Controls FM/AM tuner, the changer, CD mechanism, panel, volume and tone. |
| IC2,3 | E-VOL | Controls the source, volume and tone. |
| IC4 | Power Supply IC | Outputs 5Vx2, 8.1Vx2, 10.2V, P-CON and P-ANT. |
| IC6 | Power IC | Amplifies the front L/R and the rear L/R to 50W or 45W maximum. |
| IC7 | RDS IC | RDS decoder. |
| IC8 | Reset IC | Lo when detection voltage goes below 3.6V. |
| IC9 | Analog SW | Multiplex triple 2-channel analog SW. |
| Q1 | SW14V | ON when the base goes Hi. |
| Q2 | Servo+B AVR | When Q3's base goes Hi, Servo+B AVR outputs 7.5V. |
| Q3 | Control SW for Servo+B | ON when the base goes Hi. |
| Q7 | VFD+B SW | ON when the base goes Hi. |
| Q8 | VFD+B AVR | When Q9's base goes Hi, Servo+B AVR outputs 10.5V. |
| Q9 | Control SW for VFD+B | ON when the base goes Hi. |
| Q101 | ACC DET | ON when the base goes Hi during ACC is applied. |
| Q102 | Serge DET | When the base goes Hi, surge voltage is detected. |
| Q103 | BU DET | ON when the base goes Hi during BU is applied. |
| Q104,105 | Mute Control | ON when the base goes Hi. |
| Q301 | Panel 5V SW | ON when the base goes Lo. |
| Q302 | DSI ILLUMI SW | ON when the base goes Hi. |
| Q401 | IC9 Control SW | Switches to AUX when the base goes Hi, and switches to LX-BUS (CD-CH) when the base goes Lo. |
| Q402 | Quick Charge Voltage SW | Charges voltage quickly when the base goes Hi. |
| Q701,702 | Pre-out Mute SW | When a base of the 4 transistors goes Hi, pre-out is muted. |
| Q705 | Mute Driver for Pre-out | ON when the base goes Lo. |
| Q901 | DC Offset DET | ON when the base goes Hi after Q902's and Q903's outputs are separated. |
| Q902,903 | DC Offset DET SW | ON when the bases go Lo after IC6's SP-OUTs (DC) are separated. |

● SWITCH UNIT (X16-386x-xx)

| Ref. No. | Application / Function | Operation / Condition / Compatibility |
|----------|------------------------|---------------------------------------|
| IC1 | VFD Driver | |
| IC3 | Remote Control Sensor | |
| Q1 | GREEN LED SW | ON when the base goes Hi. |
| Q2 | RED LED SW | ON when the base goes Hi. |

● CD PLAYER UNIT (X32-5970-00)

| Ref. No. | Application / Function | Operation / Condition / Compatibility |
|----------|-----------------------------------|--|
| IC3 | 4ch BTL Driver | Driver for focusing & tracking coil, driver for sled & spindle motor, and operation for disc loading & ejection. |
| IC4 | Servo DSP with built-in Audio DAC | With built-in MP3/WMA/AAC decoder and 1M-bit-SRAM. |
| IC5 | D1.5V REG. | Power supply for digital 1.5V. |

COMPONENTS DESCRIPTION

| Ref. No. | Application / Function | Operation / Condition / Compatibility |
|----------|-----------------------------------|---|
| IC6 | D3.3V REG. | Power supply for digital 3.3V. |
| IC7 | A3.3V REG. | Power supply for audio 3.3V. |
| IC11 | BU1.5V REG. | Power supply for back-up 1.5V. |
| Q1 | APC (Auto Power Control) | Drives LD (Laser Diode). |
| Q10~12 | 5V~3.3V Level Shift | Converts signal from 5V to 3.3V, or from 3.3V to 5V. |
| Q13 | Inverter | Inverts ZDET signal. |
| D1 | Level Down | Lowers signal level by about 1.2V so that Lo level signal that turns the regulator ON/OFF surely becomes Lo judgment level of the regulator SW. |
| D2 | Laser Diode Protection | Prevents reverse bias which is applied to laser. Laser destruction prevention. |
| D3,4 | Static Electricity Countermeasure | Prevents malfunction by static electricity. |

MICROCOMPUTER'S TERMINAL DESCRIPTION

● SYSTEM μ -COM: IC1 on X34- (ELECTRIC UNIT)

| Pin No. | Pin Name | I/O | Application | Truth Value Table | Processing Operation Description |
|---------|-------------------------------|-----|-----------------------------------|-------------------|--------------------------------------|
| 1 | LX DATA M | I/O | Data to slave unit | | Pull-down (GND) |
| 2 | LX CLK | I/O | LX-BUS clock | | 125k~65kHz |
| 3~5 | NC | - | Not used | | Output Lo fixed |
| 6 | REMO | I | Remote control signal input | | Detects pulse width |
| 7 | NC | - | Not used | | Output L fixed |
| 8 | BYTE | I | Memory extended bus width setting | | Connects to VSS |
| 9 | CNVSS | - | | | Connects to VSS |
| 10 | XCIN | - | 32.768kHz | | |
| 11 | XCOU | - | 32.768kHz | | |
| 12 | $\overline{\text{RESET}}$ | - | | | L: Reset |
| 13 | XOUT | - | 10.0MHz | | |
| 14 | VSS | - | | | |
| 15 | XIN | - | 10.0MHz | | |
| 16 | VCC1 | - | | | |
| 17 | NMI | I | | | Connects to VSS |
| 18 | $\overline{\text{PANEL DET}}$ | I | Panel communication detection | | H: Panel detached, L: Panel attached |
| 19,20 | NC | - | Not used | | Output L fixed |
| 21 | ROMCOR DET | I | E2PROM writing request | | H: Writing |
| 22,23 | NC | - | Not used | | Output L fixed |

MICROCOMPUTER'S TERMINAL DESCRIPTION

| Pin No. | Pin Name | I/O | Application | Truth Value Table | Processing Operation Description |
|---------|-------------------------------|-----|--|-------------------|---|
| 24 | PON FL | O | Key illumination power supply control | | ON: H, OFF: L |
| 25 | NC | - | Not used | | |
| 26 | $\overline{\text{PON PANEL}}$ | I/O | Panel 5V control | | ON: L, Momentary power down/Panel detached : Hi-Z, 11 minutes after ACC OFF: Hi-Z |
| 27 | NC | - | Not used | | Output L fixed |
| 28 | PWIC BEEP | O | Beep output | | |
| 29 | AUD SCL | I/O | E-VOL clock output | | |
| 30 | AUD SDA | I/O | E-VOL data input/output | | |
| 31 | VFD SYS DATA | O | VFD data output | | |
| 32 | VFD PAN DATA | I | VFD data input | | |
| 33 | VFD CLK | O | VFD clock output | | 125kHz |
| 34 | VFD BLK | O | VFD data blanking output | | H: Reset cancelled, L: Reset, Momentary power down /Panel detached: L, 11 minutes after ACC OFF: L |
| 35 | CD SI | O | CD mechanism serial output | | |
| 36 | CD SO | I | CD mechanism serial input | | |
| 37 | CD CLK | O | Serial clock output | | 1MHz |
| 38 | CD LOS SW | I | CD loading detection | | |
| 39 | PIO0 | I | Communication request from mechanism DSP | | H: Data request |
| 40 | CD SRAMSTB | O | 1M-bit SRAM standby | | H: SRAM standby |
| 41 | EPM | I | Flash EPM input | | Connects to VSS |
| 42 | CD LOE LIM SW | I | CD detection (Chucking SW) | | H: Loading completed, L: No disc |
| 43 | PON CD | O | CD mechanism power supply control | | H: Power ON |
| 44 | CD LOEJ | I/O | CD motor control | ① | Refer to the truth value table |
| 45 | CD MOTOR | I/O | CD motor control | ① | Refer to the truth value table |
| 46 | VFD CE | O | VFD control request | | |
| 47 | CD DRIVEMUTE | O | Motor driver mute output | | |
| 48 | CD CCE | O | CD mechanism chip enable | | |
| 49 | CD DISC8 SW | I | 8cm disc detection | | Pull-up (B.U.) |
| 50 | CD MRST | O | CD mechanism μ -com reset | | H: Normal, L: Reset |
| 51~53 | NC | - | Not used | | Output L fixed |
| 54 | CD MUTE | I | CD mute request | | L: Mute request |
| 55 | CD DISC12 SW | I | 12cm disc detection | | Pull-up (B.U.) |
| 56 | ROTARY CCW | I | VOL key input | | Detects pulse width |
| 57 | ROTARY CW | I | VOL key input | | Detects pulse width |
| 58 | NC | - | Not used | | Output L fixed |
| 59 | DSI | I/O | DSI control | | OFF: Hi-z, Panel detached: Pulse drives, ON: H |
| 60 | RDS DATA | I | RDS decoder data input | | |
| 61 | RDS QUAL | I | RDS decoder QUAL input | | |
| 62 | VCC2 | - | | | |

MICROCOMPUTER'S TERMINAL DESCRIPTION

| Pin No. | Pin Name | I/O | Application | Truth Value Table | Processing Operation Description |
|---------|-----------------------------|-----|---|-------------------|---|
| 63 | NC | - | Not used | | Output L fixed |
| 64 | VSS | - | | | |
| 65 | RDS AFS M | I/O | Noise detection time constant switching | ② | Refer to the truth value table |
| 66 | TUN IFC OUT | I | Front-end IFC-OUT input | | H: Station found, L: No station |
| 67 | PON EXT GND | I/O | IC2 external input quick charge control | | L: OFF, Hi-Z: Quick charge, When IC2 is in source select: Hi-Z, Mute L: L, Momentary power down/Power OFF: L |
| 68 | MUTE | I/O | Mute | | L: Mute OFF, Hi-Z: Mute ON |
| 69 | ANALOG CON | O | AUX/LX audio switching | | AUX: H (Switches after 100ms after first-out mute begins to work), LX/Other source: L |
| 70 | LX RST | O | Forced reset to slave unit | | H: Reset, L: Normal |
| 71 | LX CON | O | Start-up request to slave unit | | H: Slave unit ON, L: Slave unit OFF |
| 72 | LX MUTE | I | Mute request from slave unit | | H: Mute ON, L: Mute OFF |
| 73 | LX REQ M | O | Communication request to slave unit | | |
| 74 | RDS CLK | I | RDS decoder clock input | | |
| 75 | LX REQ S | I | Communication request from slave unit | | Pull-down (GND) |
| 76 | PWIC SVR | O | SVR discharging circuit | | During 500ms after momentary power down: H, Since then: L |
| 77 | PWIC STBY | O | Power IC standby control | | Power ON: H, Power OFF: L |
| 78 | PWIC MUTE | O | Power IC mute | | STANDBY source/Momentary power down: L, TEL mute: L |
| 79 | $\overline{\text{ACC DET}}$ | I | ACC power supply detection | | ACC found: L, No ACC: H |
| 80 | $\overline{\text{BU DET}}$ | I | Detection of momentary power down | | BU found: L, No BU/Momentary power down: H (Operates after less than 4ms after momentary power down is detected) |
| 81,82 | NC | O | Not used | | Output L fixed |
| 83 | RDS NOISE | I | FM noise detection | | |
| 84 | TUN SMETER | I | S-meter input | | |
| 85 | TYPE1 | I | Destination switching | ③ | Refer to the truth value table |
| 86 | TYPE2 | I | Destination switching | ③ | Refer to the truth value table |
| 87 | PWIC DC DET | I | DC offset detection | | If DC offset is found 20 times in 100ms with condition of over 1.0V, it will be judged as DC offset detected. |
| 88 | LINE MUTE | I | Line mute selection | | TEL mute: Below 1V, NAVI mue: Over 2.5V |
| 89 | OFFSET DET | I | Power IC offset detection | | |
| 90 | PS2 2 | O | Power supply IC control | ④ | Refer to the truth value table |
| 91 | PS2 1 | O | Power supply IC control | ④ | Refer to the truth value table |
| 92 | PS1 1 | O | Power supply IC control | ④ | Refer to the truth value table |
| 93 | PS1 2 | O | Power supply IC control | ④ | Refer to the truth value table |
| 94 | PS1 3 | O | Power supply IC control | ④ | Refer to the truth value table |
| 95 | PON | - | Not used | | POWER ON: H, POWER OFF: L |

MICROCOMPUTER'S TERMINAL DESCRIPTION

| Pin No. | Pin Name | I/O | Application | Truth Value Table | Processing Operation Description |
|---------|-----------|-----|----------------------|-------------------|----------------------------------|
| 96 | AVSS | - | | | |
| 97 | REF CON | O | VREF control | | Connects to VREF |
| 98 | VREF | - | | | |
| 99 | AVCC | - | | | |
| 100 | LX DATA S | I | Data from slave unit | | Pull-down (GND) |

• Truth value table

① CD motor control

| | CD motor | CD loading/eject |
|-------|----------|------------------|
| Stop | L | L |
| Load | H | L |
| Eject | H | H |
| Brake | H | Hi-z |

② AFS control

| | RDS AFS M | Condition |
|----------|-----------|---|
| AFS MID | L | Except AF search, seeking or tuner source |
| AFS HIGH | Hi-Z | Normal reception |

③ Destination switching

| TYPE 2 (Pin 86) | TYPE 1 (Pin 85) | Model |
|--------------------|--------------------|--|
| 3.6V | 0V | KDC-W3037AY/W3037GY/ W311AY/W311GY/W4037Y |
| 3.6V | 1.2V | KDC-W3537AY/W3537GY |
| 3.6V | 2.4V | KDC-W237AY/W237GY |

④ Power supply IC (IC4) control

SEL1 (Pin 10)

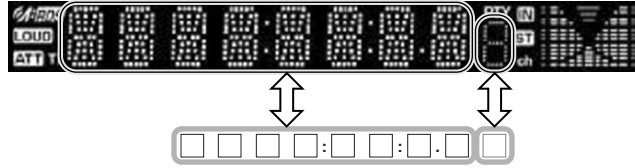
| PS1-2 | PS1-3 | PS2-1 | ILLUMI | P-CON | P-ANT |
|-------|-------|-------|--------|-------|-------|
| L | L | L | OFF | OFF | OFF |
| L | L | H | ON | OFF | OFF |
| H | L | H | ON | ON | OFF |
| H | H | H | ON | ON | ON |

SEL2 (Pin 11)

| PS1-1 | PS2-2 | AUDIO/SW5 | AM |
|-------|-------|-----------|-----|
| L | L | OFF | OFF |
| H | L | ON | OFF |
| H | H | ON | ON |

TEST MODE

■ Example



| Key | Description of display | Description |
|-----|--------------------------|--|
| 5 | Disc EJECT times display | Disc EJECT times display. MAX 65535 (times) |
| ■5 | | While disc EJECT times is displayed, press and hold for 2 seconds or longer to clear disc EJECT times. |

A symbol "■" in the key column indicates that the key should be pressed and held for 1 second or longer.

■ How to enter the test mode

| Procedure | Note |
|---|--|
| Press and hold the [1] key and [3] key and reset. | While "---" is displayed, power can be turned ON for only 30 minutes. (KDC-W3537AY/W3537GY/W4037Y only) |

All lamps blink when it is detected that the sub-clock resonator is disconnected.

Do not display "CODE_OFF", "CODE_ON" or "CODE_NG" when Power is ON.

When having started up in the test mode, change the LINE MUTE inhibition time from 10 seconds to 1 second.

When operating in the test mode, even if a DC offset error occurs, detection information is not written in the E2PROM.

When operating in the test mode, CD mechanism error log information clear mode, and DC offset error detection information clear mode, do not perform DEMO mode operations.

Also, do not display DEMO ON/OFF option items in the MENU in STANDBY source in the above modes.

Forced disc ejection is prohibited in the test mode.

■ How to clear the test mode

| Procedure | Note |
|--|------------------------|
| Reset, momentary power down, ACC OFF, Power OFF, Panel detached. | Clearing the test mode |

■ Test mode default condition

| Description | Default values |
|-------------|---|
| Source | STANDBY |
| Display | Display lights are all turned on. |
| Volume | -10dB ("30" is displayed.) |
| Bass Boost | OFF |
| CRSC | OFF regardless of having/not having the switching function. |
| AUX | ON |
| System Q | NATURAL (FLAT) |
| Beep | Sound on with a key pressed regardless of any settings. |
| Preout | Sub Woofer |

TEST MODE

■ Special displays when all lights are on in STANDBY source

| Key | Description of display | Description |
|--------|--|--|
| Common | All lights ON. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | All lights ON. |
| 1 | Destination terminal condition indication <input type="checkbox"/> T <input type="checkbox"/> Y <input type="checkbox"/> P <input type="checkbox"/> E : <input type="checkbox"/> 1 <input type="checkbox"/> 1 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | "TYPE" indicates system μ -com (IC1) destination, and shows real-time condition of the destination terminal. |
| | Development ID condition indication <input type="checkbox"/> 6 <input type="checkbox"/> 1 <input type="checkbox"/> 1 <input type="checkbox"/> A <input type="checkbox"/> 2 <input type="checkbox"/> - <input type="checkbox"/> 3 <input type="checkbox"/> . <input type="checkbox"/> 0 <input type="checkbox"/> 0 | Development ID – Version (system μ -com: IC1) |
| 2 | Serial No. display <input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> <input type="checkbox"/> | Serial No. is displayed (8 digits) |
| 3 | Power ON time display <input type="checkbox"/> P <input type="checkbox"/> O <input type="checkbox"/> N <input type="checkbox"/> <input type="checkbox"/> 0 <input type="checkbox"/> H <input type="checkbox"/> X <input type="checkbox"/> X <input type="checkbox"/> <input type="checkbox"/> | 00~50 is displayed for "XX". When less than 1 hour, displayed by increments of 10 minutes. |
| | <input type="checkbox"/> P <input type="checkbox"/> O <input type="checkbox"/> N <input type="checkbox"/> X <input type="checkbox"/> X <input type="checkbox"/> X <input type="checkbox"/> X <input type="checkbox"/> X <input type="checkbox"/> <input type="checkbox"/> | 00001~10922 is displayed for "XXXXX". MAX 10922 (hours) |
| ■3 | | When Power ON time is displayed, press and hold for 2 seconds or longer to clear Power ON time. |
| 4 | Disc operation time display <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> T <input type="checkbox"/> <input type="checkbox"/> 0 <input type="checkbox"/> H <input type="checkbox"/> X <input type="checkbox"/> X <input type="checkbox"/> <input type="checkbox"/> | 00~50 is displayed for "XX". When less than 1 hour, displayed by increments of 10 minutes. |
| | <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> T <input type="checkbox"/> X <input type="checkbox"/> X <input type="checkbox"/> X <input type="checkbox"/> X <input type="checkbox"/> X <input type="checkbox"/> <input type="checkbox"/> | 00001~10922 is displayed for "XXXXX". MAX 10922 (hours) |
| ■4 | | While the disc operation time is displayed, press and hold for 2 seconds or longer to clear the disc operation time. (Cleared only for displayed media.) |
| 5 | Disc EJECT times display <input type="checkbox"/> E <input type="checkbox"/> J <input type="checkbox"/> C <input type="checkbox"/> X <input type="checkbox"/> X <input type="checkbox"/> X <input type="checkbox"/> X <input type="checkbox"/> X <input type="checkbox"/> <input type="checkbox"/> | Disc EJECT times display. MAX 65535 (times) |
| | ■5 | |
| 6 | Panel open/close times display <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> X <input type="checkbox"/> X <input type="checkbox"/> X <input type="checkbox"/> X <input type="checkbox"/> X <input type="checkbox"/> <input type="checkbox"/> | PANEL open/close times display. MAX 65535 (times) |
| | ■6 | |
| FM | ROM correction version display <input type="checkbox"/> R <input type="checkbox"/> O <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | The number is the ROM correction version number. |
| | <input type="checkbox"/> E <input type="checkbox"/> R <input type="checkbox"/> R <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | When E2PROM is not installed. |
| | <input type="checkbox"/> R <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | When not written in yet. |
| | <input type="checkbox"/> R <input type="checkbox"/> * <input type="checkbox"/> * <input type="checkbox"/> * <input type="checkbox"/> * <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | When data not matched. (due to the difference in versions) |
| ■AM | ROM data transfer <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | |
| ▶▶ | Audio data initialization <input type="checkbox"/> A <input type="checkbox"/> U <input type="checkbox"/> D <input type="checkbox"/> <input type="checkbox"/> I <input type="checkbox"/> N <input type="checkbox"/> I <input type="checkbox"/> T <input type="checkbox"/> <input type="checkbox"/> | AUDIO setting value is re-set to the test mode default value. |
| ◀◀ | Forced Power OFF information display <input type="checkbox"/> P <input type="checkbox"/> O <input type="checkbox"/> F <input type="checkbox"/> F <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> | No forced power OFF |
| | <input type="checkbox"/> P <input type="checkbox"/> O <input type="checkbox"/> F <input type="checkbox"/> F <input type="checkbox"/> <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> | Forced power OFF because of missing Security Code. (Code security supporting model) |
| | <input type="checkbox"/> P <input type="checkbox"/> O <input type="checkbox"/> F <input type="checkbox"/> F <input type="checkbox"/> <input type="checkbox"/> P <input type="checkbox"/> N <input type="checkbox"/> L <input type="checkbox"/> <input type="checkbox"/> | Forced power OFF by communication error between system μ -com and panel. |
| ■◀◀ | | While the forced power OFF data is displayed, press and hold for 2 seconds to clear the data. |
| ▶▶ | CD information display mode ON/OFF <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | For the display contents, refer to "CD information display mode" in the next section. |
| | ■▶▶ | |

TEST MODE

• CD information display mode

| Key | Description of display | Description | |
|--|---|---|--|
| FM (forward rotation) AM (reverse rotation) | CD mechanism error log display | M C E R R 1 : X X <input type="checkbox"/> | Mechanism error log 1 (Latest) XX: Error number. “- -” is displayed in case there is no error. |
| | | M C E R R 2 : X X <input type="checkbox"/> | Mechanism error log 2 (Latest) XX: Error number. “- -” is displayed in case there is no error. |
| | | M C E R R 3 : X X <input type="checkbox"/> | Mechanism error log 3 (Latest) XX: Error number. “- -” is displayed in case there is no error. |
| ◀◀ / ▶▶ | CD Load error information display | L D E R R 1 : X X <input type="checkbox"/> | Load error switch 1 XX: Number of errors. “- -” is displayed in case there is no error. |
| | | L D E R R 2 : X X <input type="checkbox"/> | Load error switch 2 XX: Number of errors. “- -” is displayed in case there is no error. |
| ◀◀ / ▶▶ | CD Ejection error information display | E J E R R 1 : X X <input type="checkbox"/> | Ejection error switch 1 XX: Number of errors. “- -” is displayed in case there is no error. |
| | | E J E R R 2 : X X <input type="checkbox"/> | Ejection error switch 2 XX: Number of errors. “- -” is displayed in case there is no error. |
| | | E J E R R 3 : X X <input type="checkbox"/> | Ejection error switch 3 XX: Number of errors. “- -” is displayed in case there is no error. |
| | | E J E R R 4 : X X <input type="checkbox"/> | Ejection error switch 4 XX: Number of errors. “- -” is displayed in case there is no error. |
| ◀◀ / ▶▶ | CD time code error count data display (Missing counts) | C N T <input type="checkbox"/> L O S E <input type="checkbox"/> | CD time code error count data (Missing counts) mode display. |
| | | C D D A <input type="checkbox"/> : X X <input type="checkbox"/> | Number of CD-DA count errors XX: Number of errors. “- -” is displayed in case there is no error. |
| | | C D R O M <input type="checkbox"/> : X X <input type="checkbox"/> | CD-ROM (Compressed file) number of count errors XX: Number of errors. “- -” is displayed in case there is no error. |
| ◀◀ / ▶▶ | CD time code error count data display (count not updated) | C N T <input type="checkbox"/> S T A Y <input type="checkbox"/> | CD time code error count data (count not updated) mode display. |
| | | C D D A <input type="checkbox"/> : X X <input type="checkbox"/> | Number of CD-DA count errors XX: Number of errors. “- -” is displayed in case there is no error. |
| | | C D R O M <input type="checkbox"/> : X X <input type="checkbox"/> | CD-ROM (Compressed file) Number of count errors XX: Number of errors. “- -” is displayed in case there is no error. |

TEST MODE

■ Test mode specifications in TUNER source

Error is found in front-end (A1), etc. if indications below is displayed while in tuner source.

| Status | Display | Description |
|------------------------------------|-------------------|---|
| Front-end (A1) E2PROM data error | T N E 2 P □ N G □ | Front-end (A1) E2PROM is still the default (unspecified) value. |
| Front-end (A1) communication error | T N C O N □ N G □ | Communication with front-end (A1) is not possible. |

• TUNER preset operation

| Key | Description of display | Description |
|-----|--|--|
| 4 | Preset function F M 1 □ 9 8 . 3 A 4 | Change to 98.3MHz with the preset key [4]. |

• K3I forced switching

Every time when [6] key is pressed in tuner FM source, switched in the following order: AUTO → Forced WIDE → Forced MIDDLE → Forced NARROW → AUTO. Default status is AUTO, and displayed as shown below.

| Key | Description of display | Description |
|-----|---|---------------|
| 6 | K3I Forced switching F M 1 □ 9 8 . 1 A □ | AUTO |
| | F M 1 □ 9 8 . 1 W □ | Forced WIDE |
| | F M 1 □ 9 8 . 1 M □ | Forced MIDDLE |
| | F M 1 □ 9 8 . 1 N □ | Forced NARROW |

• RDS auto measurement

Add the process to replace the visual inspection of PS display previously done in the production line.

| Status | Display | Description |
|-------------------|-------------------|---|
| PS data reception | R D S □ T E S T □ | If displayed as shown at the left, force to OFF. P-CON is recovered by Power OFF/ON. |

• FST adjustment mode

Perform FST soft-mute adjustment.

| Key | Note |
|-----|--|
| ■▶ | Enter the FST adjustment mode. (Press for 1 second or longer.) |

Operations in the FST adjustment mode are as follows:

| Key | Description of display | Description |
|----------------------|---|--|
| FM (UP) AM (DOWN) | Soft-mute adjustment S M D - F □ □ □ □ | 18dBμ (0) ↔ 36dBμ (F) |
| ■▶ | Adjustment value memory E P □ W R I T E □ | Displays the data that has been written in the E2PROM when pressing the key for 2 seconds or longer. |
| ▶ | Mode clear F M 1 □ 9 8 . 3 A 4 | Clear the FST adjustment mode. (Returns to normal display and the test mode is retained.) |

After completing the FST adjustment, if You wish to clear the test mode, You can do this using the reset button.

TEST MODE

■ Test mode specifications in CD source

Display mode default: P-Time

• Procedure in CD-DA media (KTD-02A)

| Key | Description of display | | Description |
|-----|--|---------------------|---|
| ▶▶ | Track up procedure | | Every time pressed, jumps to the track shown below. No.9 → No.15 → No.10 → No.11 → No.12 → No.13 → No.22 → No.14 → No.9 (recursive) But in case the disc has 8 tracks or less, playback starts with track No.1. (For both CD-DA and compressed file discs) |
| ◀◀ | Track down procedure | | Goes down by 1 track from the currently played track. |
| 1 | Jump procedure | | Jump to No. 28 (Scratch 0.7mm for MUSIC line vibration testing) |
| 2 | Jump procedure | | Jump to No. 14 (Blurring surface disc TCD-731RA Tr14) |
| 3 | Information display Mechanism model name Mechanism version | 6 E 0 0 : □ □ □ □ □ | Display of Mechanism model name and Mechanism version. (When key is pressed while the display in the left is being shown, returns to normal display.) |
| 6 | Jump procedure | | Jump to No. 15. Set the volume value to "25". (For 20Hz 0dB DC protection false-operation FCT checking) |

Used media: For CD, KTD-02A

■ Audio-related test mode

| Procedure | Note |
|--|--|
| Press the [AUD] key (main unit) Press the [AUD] and [*] keys (Remote control) | Enter audio adjustment mode (the initial item should be Fader, and then, Balance → Bass Level → Middle Level → Treble Level → (SW Level →) System Q → V-Offset → (LPF Sub Woofer.). () means KDC-W4037Y only. |

About audio adjustment items (include both Audio Function Mode and Audio Setup Mode)

| Procedure | Item | Procedure | Description |
|---|----------------|------------------------------|--|
| For item forwarding procedure, press [AUD] key and [FM] key | Fader | [VOL] knob and [◀◀ / ▶▶] key | Adjust to 3 steps of R15 ↔ 0 ↔ F15. (Default value: 0) |
| | Balance | [VOL] knob and [◀◀ / ▶▶] key | Adjust to 3 steps of L15 ↔ 0 ↔ R15. (Default value: 0) |
| | Bass Level | [VOL] knob and [◀◀ / ▶▶] key | Adjust to 3 steps of -8 ↔ 0 ↔ +8. (Default value 0) |
| | Middle Level | [VOL] knob and [◀◀ / ▶▶] key | Adjust to 3 steps of -8 ↔ 0 ↔ +8. (Default value 0) |
| | Treble Level | [VOL] knob and [◀◀ / ▶▶] key | Adjust to 3 steps of -8 ↔ 0 ↔ +8. (Default value 0) |
| | LPF Sub woofer | [VOL] knob and [◀◀ / ▶▶] key | Adjust to 2 steps of 80Hz ↔ Through. (Default value: Through) (Only in models with Sub Woofer output) |
| | Volume Offset | [VOL] knob and [◀◀ / ▶▶] key | Adjust to 3 steps of -8 ↔ 0 ↔ +8. (Default value 0) |

| Procedure | Note |
|--|--|
| Press the [B.BOOST] key for 1 second or longer | Switch Bass Boost (Note: Front key functions as MENU.) |

TEST MODE

■ MENU-related test mode

| Procedure | Note |
|--|---|
| Press the [B.BOOST] key (main unit) Press the [DNPP/SBF] and [DIRECT] keys (Remote control) | Continuous forwarding by remote control is prohibited |

■ Backup current measurement

| Procedure | Note |
|-----------------------------------|--|
| While ACC OFF (Back Up ON), Reset | MUTE terminal is OFF after 2 seconds, not after 15 seconds. (During this time, the CD mechanism does not function.) |

■ PREOUT switching (KDC-W4037Y only)

| Procedure | Note |
|--|-----------------|
| In the STANDBY source, press and hold [TI] key for 1 second or longer | Switches PREOUT |

■ Key illumination switching

| Procedure | Note |
|--|--|
| In STANDBY source press [AUTO] or [TI] key | Switches the key illumination GREEN / RED. |

■ Fluorescent indicator tube (ED1) short check

| Procedure | Note |
|--|--|
| In the STANDBY source, press [ATT] key | All lights are off → Turns on odd and even terminals alternatively every 125ms (terminals that have a maximum number of grids) → Turns on only the odd terminals → Turn on only the even terminals → |

■ Clearing CD mechanism information / Service information / DC offset error information (Clearing E2PROM data)

| Status | Display | Description |
|---|-------------------------------------|-------------------------|
| While pressing and holding [B.BOOST] key and [ATT] key, reset-start. | [C] [D] [] [O] [] [] [] [] [] | At normal termination |
| | [C] [D] [] [X] [] [] [] [] [] | At abnormal termination |

While “- - - -” is displayed, power can be ON for 30 minutes. This mode is cancelled by resetting. (The last screen will not be retained.)

Data to be cleared is shown below.

| | |
|-----------------------------|--|
| CD mechanism information | I2C communication status display |
| | CD mechanism error log display |
| | Displays CD loading error data |
| | Displays CD EJECT error data |
| | Displays CD time code count error data (missing count) |
| | Displays CD time code count error data (count not updated) |
| Service Information | Power ON time display |
| | CD operation time display |
| | CD EJECT times display |
| | PANEL open/close times display |
| | Forced Power OFF information display |
| DC offset error information | DC offset error 1 display (Provides information on whether there is an improper connection or another error) |
| | DC offset error 2 display (Provides information on the number of capacitor leaks) |

TEST MODE

■ Clearing DC offset error detection data (E2PROM data clearing)

| Procedure | Note |
|--|--|
| While pressing and holding [3] key and [6] key, reset-start. | Entering DC offset error display mode. |

| Procedure | Display | Description |
|--|-------------------|---|
| Press and hold the [3] and [6] keys, and reset-start | D C □ □ E R R □ □ | When DC offset error is detected (when either one of capacitors is leaking, or an improper connection or another error is detected) |
| | D C □ □ O K □ □ □ | When DC offset error is not detected (when none of capacitors leak, no improper connection or other error is detected) |
| 1 | D C 1 □ E R R □ □ | When improper connection or other DC offset errors are detected. |
| | D C 1 □ O K □ □ □ | When improper connection or other DC offset errors are not detected. |
| ■1 | D C 1 □ O K □ □ □ | When detecting improper connection or other DC offset errors, clears detection data. (Clear E2PROM) |
| 2 | D C 2 □ 4 □ □ □ □ | When detecting capacitor leak, provides information on the number of capacitor leaks. (0~4) |
| ■2 | D C 2 □ 0 □ □ □ □ | When detecting capacitor leak, clears the number of capacitor leaks. (Clear E2PROM) |

This mode is cancelled by resetting. (The last screen will not be retained.)

■ Security (KDC-W3537AY/W3537GY/W4037GY only)

• Forced Power ON mode

| Procedure | Note |
|--|--|
| While pressing and holding [B.BOOST] key and [4] key, reset-start. | While "----" is displayed, power can be turned ON for only 30 minutes. After 30 minutes, can only be recovered by resetting. |

• How to register the security code on the "Car Audio Passport" after replacement of the FRONT-END (A1) with E2PROM

| Procedure | Description |
|--|---|
| While pressing and holding [1] key and [3] key, reset-start | Enters the test mode |
| Press the [B.BOOST] key | Enters the MENU mode. |
| Press and hold [▶▶] key for 1 second or longer | Enters the security registration mode. |
| [FM] / [AM] / [◀◀] / [▶▶] key | Inputs the code. FM: Number up / AM: Number down / ◀◀ ▶▶ Cursor to the left / ▶▶ ▶▶ Cursor to the right |
| Press and hold [▶▶] key for 3 seconds or longer | "RE-ENTER" is displayed. |
| [FM] / [AM] / [◀◀] / [▶▶] key | Inputs the code again. FM: Number up / AM: Number down / ◀◀ ▶▶ Cursor to the left / ▶▶ ▶▶ Cursor to the right |
| Press and hold [▶▶] key for 3 seconds or longer | "APPROVED" is displayed. |
| Reset, momentary power down, ACC OFF, Power OFF, panel removed | Cancels the test mode. |

Note: The security code in this model cannot be all-clear.

TEST MODE

■ ROM data transfer

When replacing front-end (A1), this function is used to transfer E2PROM data (ROM correction, security and other data) to front-end (A1) to E2PROM of to mother unit (X34-), used for saving data, and, after completing replacement of front-end (A1), to recover data from the E2PROM of the mother unit (X34-), and for saving data to the new front-end (A1). Refer to “ROM data transfer processes” on the next page for details on front-end (A1) replacement procedures and on the data to be transferred.

| Procedure | Display | Description |
|---|---|---|
| While pressing and holding [1] key and [3] keys, reset-start | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> : <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | All lights ON. |
| Press [B.BOOST] key (MENU) | R O M <input type="checkbox"/> R E A D <input type="checkbox"/> | MENU mode |
| Press [◀◀] key or [▶▶] key | R O M <input type="checkbox"/> R E A D <input type="checkbox"/> | Front-end (A1) → Mother unit (X34-). Data transfer processing. |
| | R O M <input type="checkbox"/> W R T <input type="checkbox"/> | Mother unit (X34-) → Front-end (A1). Data transfer processing. |
| (In the above ROM READ status), ■[▶▶] key for 2 seconds or longer | R E A D <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | Front-end (A1) → Mother unit (X34-). ROM data is being transferred. |
| | R E A D <input type="checkbox"/> O K <input type="checkbox"/> | Front-end (A1) → Mother unit (X34-). ROM correction transfer, security and other data is OK. |
| | R E A D <input type="checkbox"/> O K 2 <input type="checkbox"/> | Front-end (A1) → Mother unit (X34-). Transfer of security and other data is OK. |
| | R E A D <input type="checkbox"/> N G <input type="checkbox"/> | Front-end (A1) → Mother unit (X34-). ROM data transfer is NG. |
| (In the above ROM WRT status), ■[▶▶] key for 2 seconds or longer | W R T <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | Mother unit (X34-) → Front -end (A1). ROM data is being transferred. |
| | W R T <input type="checkbox"/> <input type="checkbox"/> O K <input type="checkbox"/> | Mother unit (X34-) → Front-end (A1). ROM correction, security and other data transfer is OK. |
| | W R T <input type="checkbox"/> <input type="checkbox"/> O K 1 <input type="checkbox"/> | Mother unit (X34-) → Front-end (A1). ROM correction data transfer is OK. |
| | W R T <input type="checkbox"/> <input type="checkbox"/> O K 2 <input type="checkbox"/> | Mother unit (X34-) → Front-end (A1). Transfer of security and other data is OK. |
| | W R T <input type="checkbox"/> <input type="checkbox"/> N G <input type="checkbox"/> | Mother unit (X34-) → Front-end (A1). ROM data transfer is NG |
| (In every status of ROM data [▶▶] transfer processing) | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> : <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | Clear from ROM correction data transfer processing |

ROM DATA TRANSFER PROCESSES

When replacing front-end (A1) of mother unit (X34-), or when adding or replacing ROM correction (program correction with ROM IC (IC10)), the following activities are required.

■ Overview

When replacing front-end (A1) in the model where ROM correction and security data have been written into E2PROM, included in the front-end (A1) pack, the transfer function of the E2PROM data itself in the replaced front-end (A1) is required. This function in the above system configuration is used to allow for complete replacement of the front-end at any service center.

■ Overview of specifications

Procedures for replacement are as follows: To install the E2PROM to the mother unit (X34-), and replace front-end (A1) with new front-end after copying the data in the E2PROM (such as ROM correction data and other data) in the front-end (A1) to the mother unit (X34-) by operating the system, and then copy the data (such as ROM correction data and other data) into the mother unit to the E2PROM of the front-end (A1), operating the main body.

Tuner adjustment data was inserted during the tuner pack manufacturing, and data will not be transferred because front-end (A1) is built-in.

In addition, tuner adjustment data for new front-end (A1) is supplied as a service part in which data was inserted.

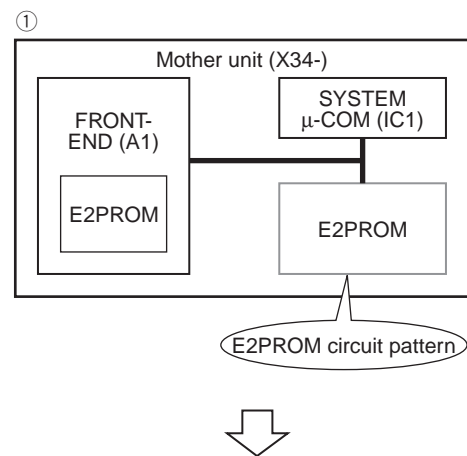
■ Data to be copied

- ROM correction data
- Other data
 - Security data
 - DEMO MODE ON/OFF status
 - POWER ON time (For maintenance)
 - Playback time (For maintenance)
 - EJECT count (For maintenance)
 - Panel open/close count (For maintenance)
 - CD I2C status (For maintenance)
 - CD offset error code (For maintenance)
 - CD sound skips count (For maintenance)
 - CD time code not updated count (For maintenance)
 - CD load switch errors count (For maintenance)
 - CD ejection errors count (For maintenance)
 - DC offset error (For maintenance)
 - Forced Power OFF information (For maintenance)
 - Serial number (For maintenance)
 - E2PROM data check data (For internal check)

■ Operation procedure

Operation procedure is different depending on the conditions. Proceed with the appropriate operation procedure depending on the specific condition.

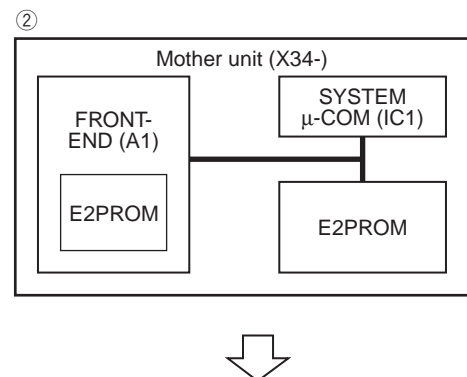
1. In case of replacing front-end (A1) without an applicable ROM correction.
2. In case of replacing front-end (A1) with an applicable ROM correction.
3. In case of applying new ROM correction at the same time when front-end (A1) is replaced. (No ROM correction has been carried out.)



Install new E2PROM.

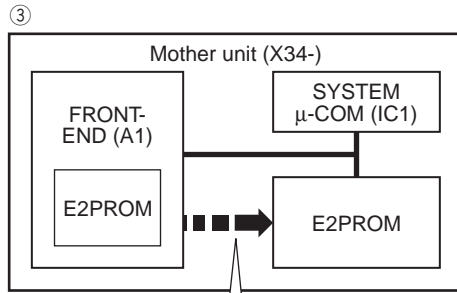
Install E2PROM containing no data, in case of [1] and [2].

In case of [3], install maintenance E2PROM with an applicable ROM correction program.



ROM DATA TRANSFER PROCESSES

Turn power on.
Press and hold the [1] and [3] keys and press reset button.
(Enter the system in the test mode.)
Press [B.BOOST] key. (ROM data System enters data transfer mode.)
Press [◀◀] (or ▶▶). (Select READ)
Press [▶▶] key for 1 second or longer. (Data transfer)



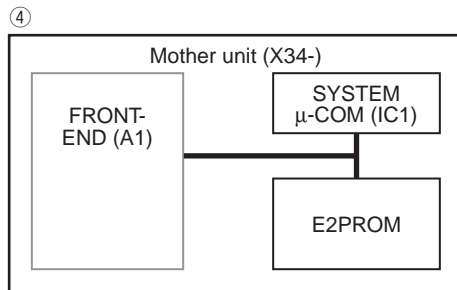
The system μ-COM (IC1) copies the data in the front-end (A1) in the E2PROM on the mother unit (X34-)

In case of [2]
 READ OK R-OK
 In case of [1] or [3]
 READ OK2 R-O2

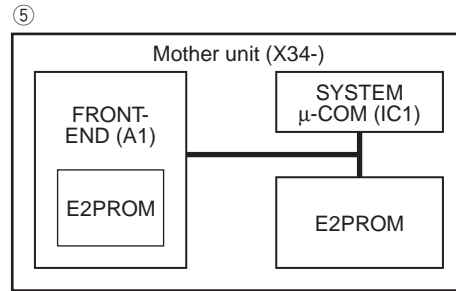


Press [▶▶] key. (Exit ROM data transfer mode.)
Turn power off.

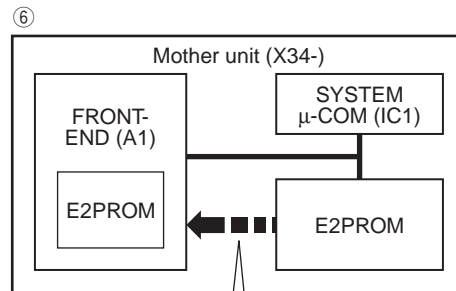
Remove front-end (A1).



Install new front-end (A1).
No ROM correction or other data status.



Turn power on.
Press and hold the [1] and [3] keys and press reset button.
(Enter the system in the test mode.)
Press [B.BOOST] key. (Start transferring ROM data.)
Press [◀◀] (or ▶▶). (Select WRT)
Press [▶▶] key for 1 second or longer. (Data transfer)



System μ-COM (IC1) copies data on the mother unit (X34-) into E2PROM in the front-end (A1)

In case of [2] or [3]
 WRT OK W-OK
 In case of [1]
 WRT OK2 W-O2

Press [▶▶] key. (Exit ROM data transfer mode.)

ROM DATA TRANSFER PROCESSES

4. In case of applying a new ROM correction when front-end (A1) is replaced (There is ROM correction data.)
5. In case of applying a new ROM correction even when front-end (A1) is not replaced.

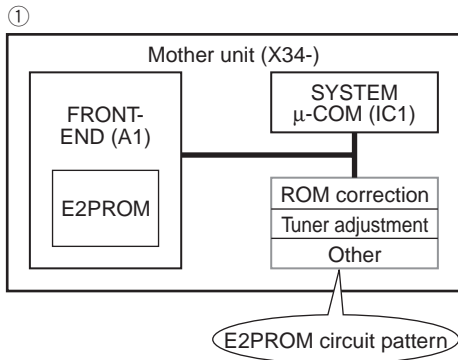
Turn power on.

Press and hold the [1] and [3] keys, press reset button. (Enter the system in the test mode.)

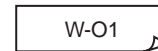
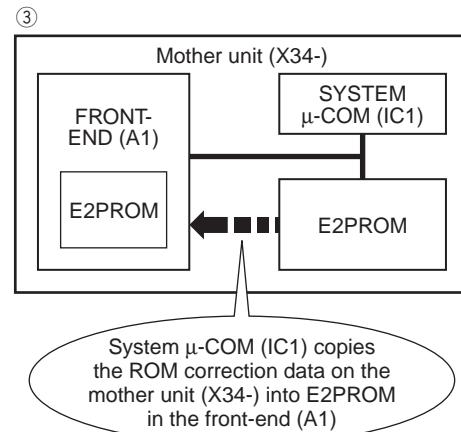
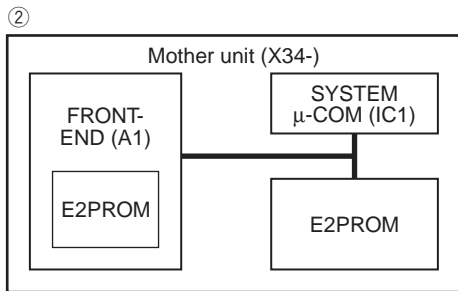
Press [B.BOOST] key. (ROM data System enters data transfer mode.)

Press [◀◀] (or ▶▶). (Select WRT)

Press [▶▶] key for 1 second or longer. (Data transfer)



Install new E2PROM. (E2PROM that has been updated with ROM correction)



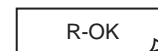
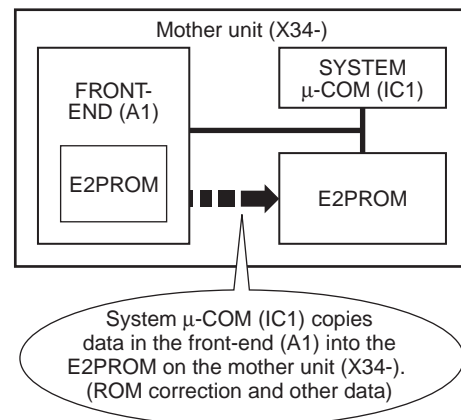
In case of [4]

In case of [5]

Press [▶▶] key. (Exit ROM data transfer mode.)

Press [◀◀] (or ▶▶). (Select READ)

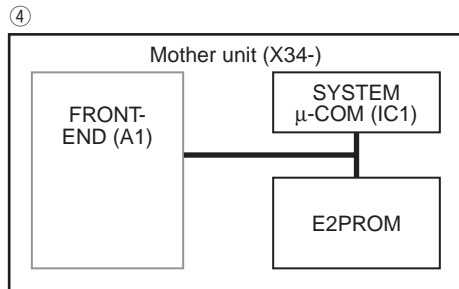
Press [▶▶] key for 1 second or longer. (Data transfer)



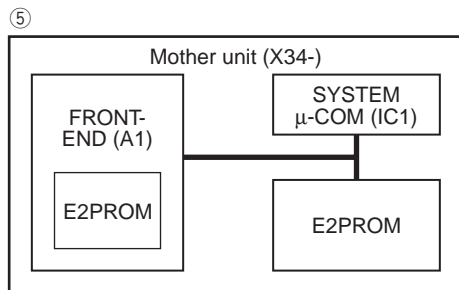
ROM DATA TRANSFER PROCESSES

Press [▶||] key. (Exit ROM data transfer mode.)
Turn power off.

Remove front-end (A1).



Install new front-end (A1).
No ROM correction or other data status.



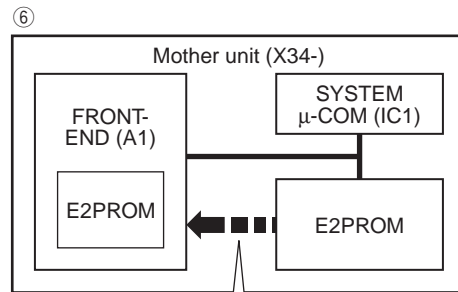
Turn power on.

Press and hold the [1] and [3] keys press reset button. (Enter the system in the test mode.)

Press [B.BOOST] key. (Enter the system in ROM data transfer mode.)

Press [◀◀] (or ▶▶). (Select WRT)

Press [▶||] key for 1 second or longer. (Data transfer)



System μ-COM (IC1) copies data on the mother unit (X34-) into E2PROM in the front-end (A1)

WRT OK

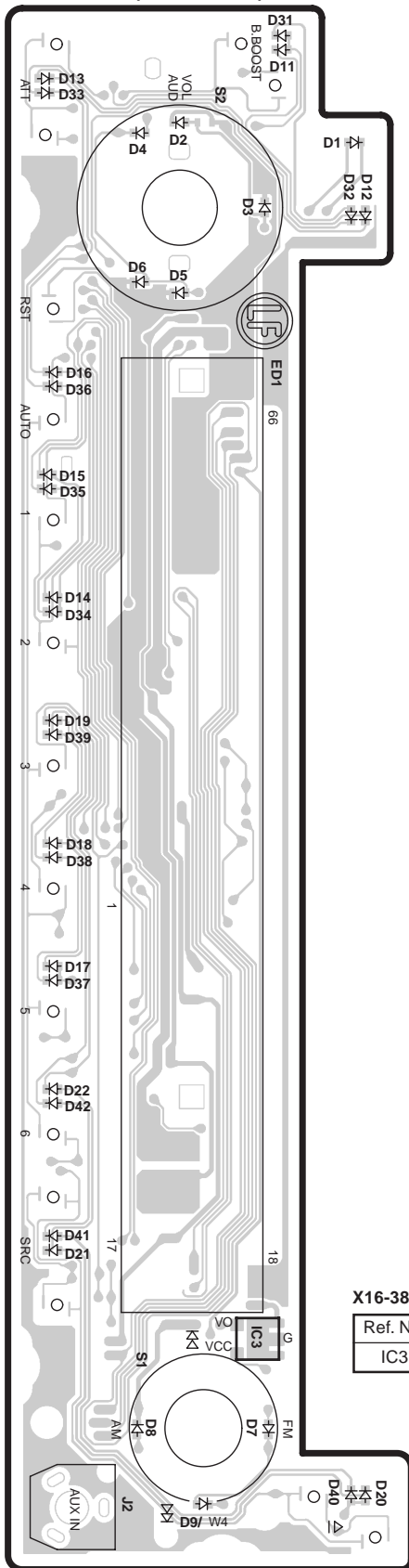
W-OK

Press [▶||] key. (Exit ROM data transfer mode.)

PC BOARD (COMPONENT SIDE VIEW)

SWITCH UNIT

X16-386x-xx (J76-0360-02)



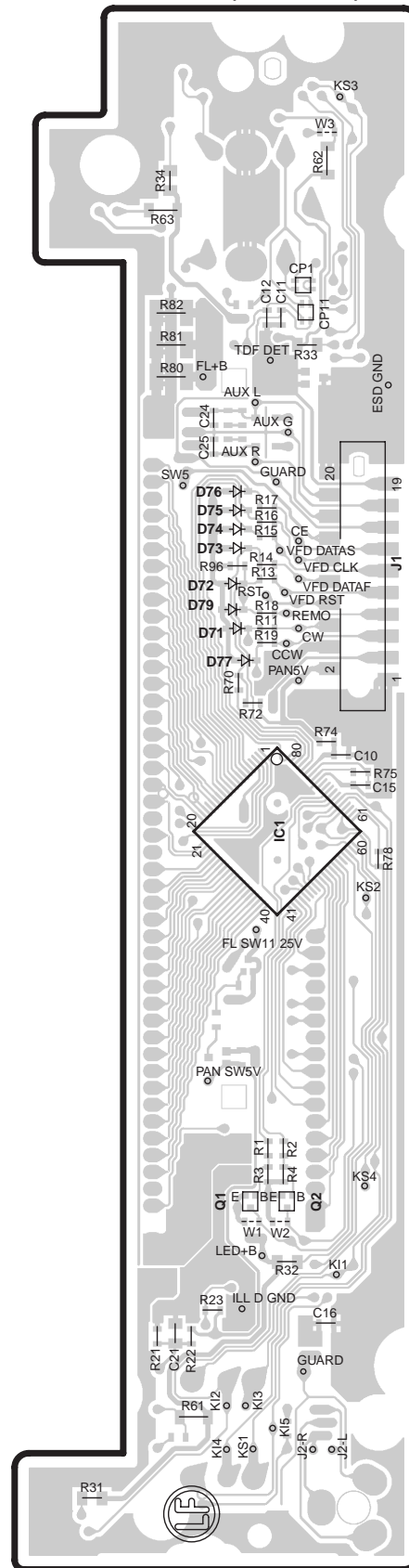
X16-386x-xx

| Ref. No. | Address |
|----------|---------|
| IC3 | 6A |

(FOIL SIDE VIEW)

SWITCH UNIT

X16-386x-xx (J76-0360-02)



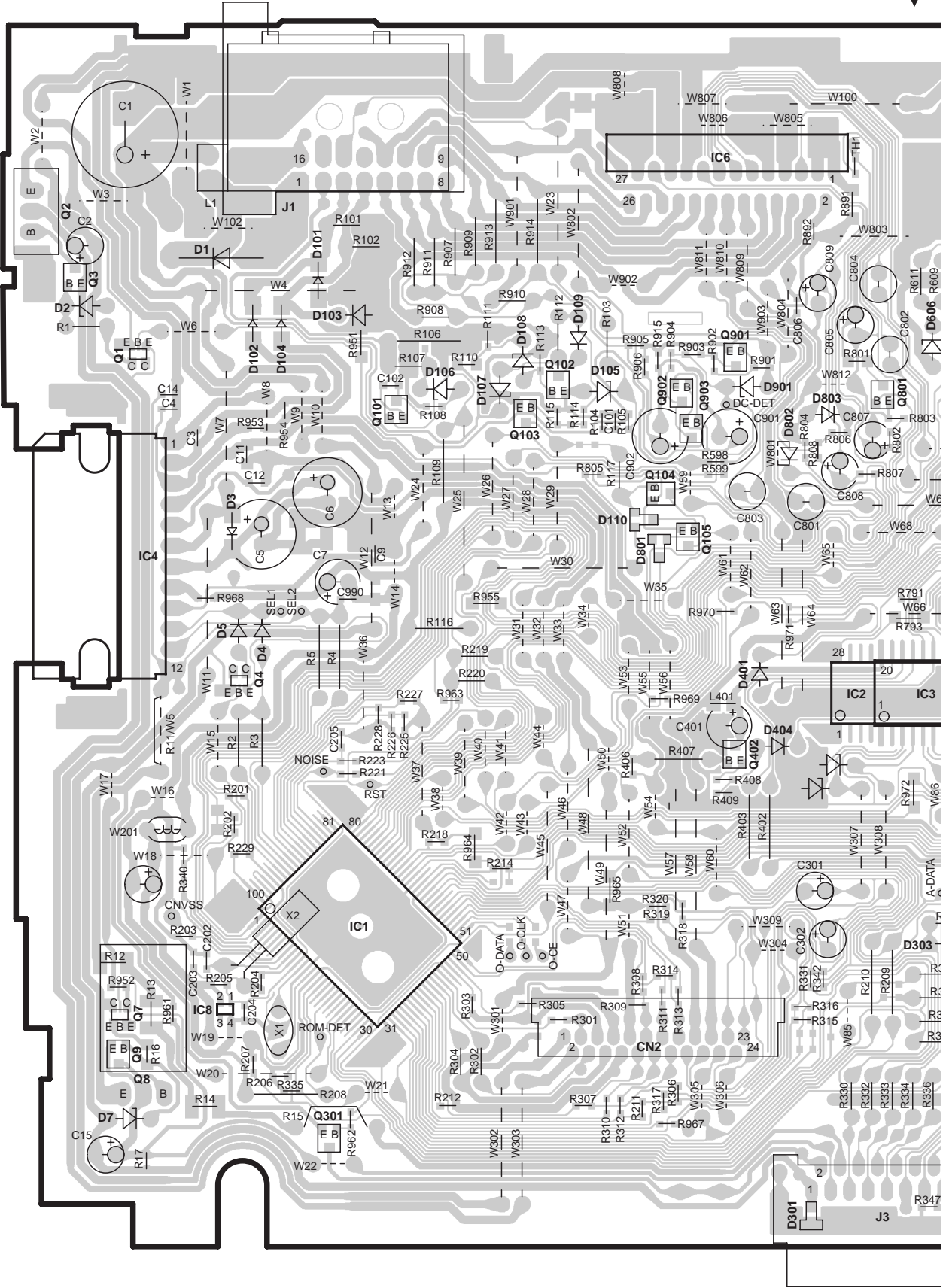
X16-386x-xx

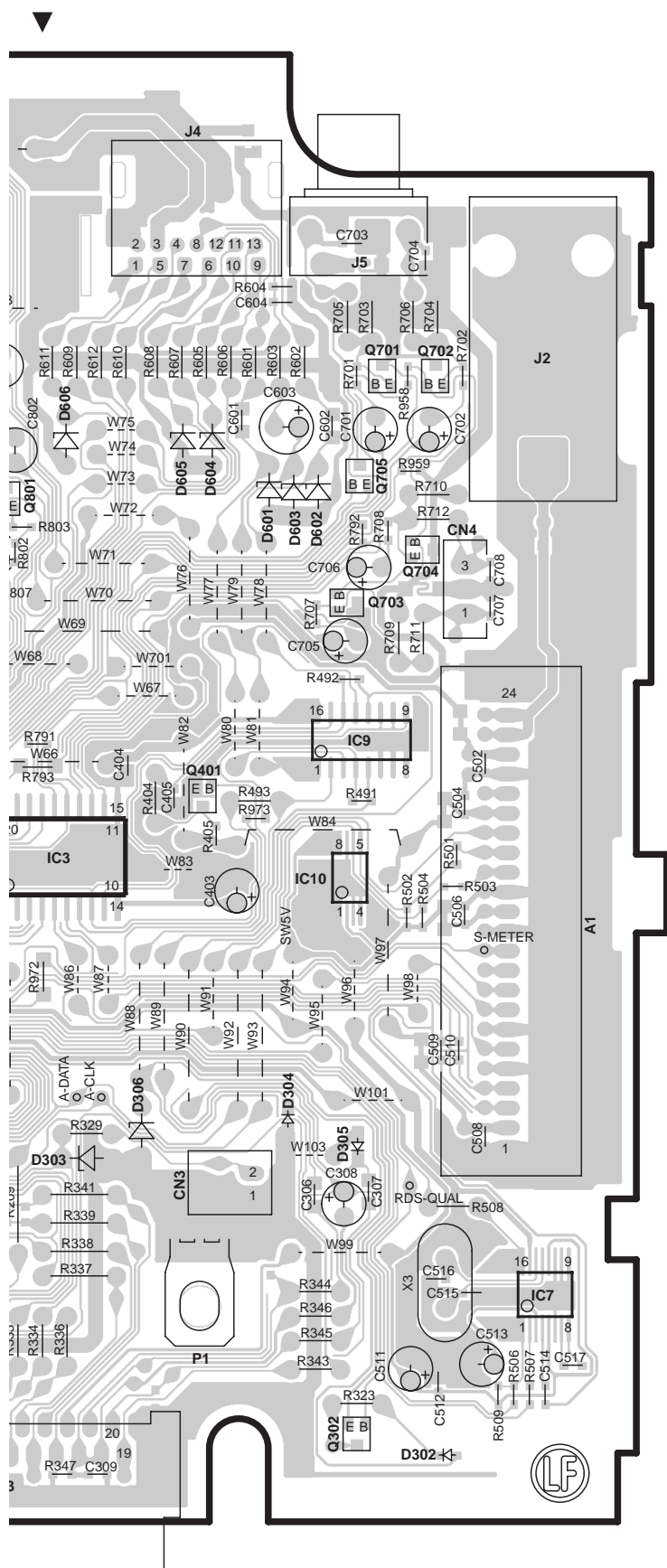
| Ref. No. | Address |
|----------|---------|
| IC1 | 4D |
| Q1 | 6D |
| Q2 | 6D |

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

PC BOARD (FOIL SIDE VIEW)

ELECTRIC UNIT X34-467x-xx (J76-0358-02)





X34-467x-xx

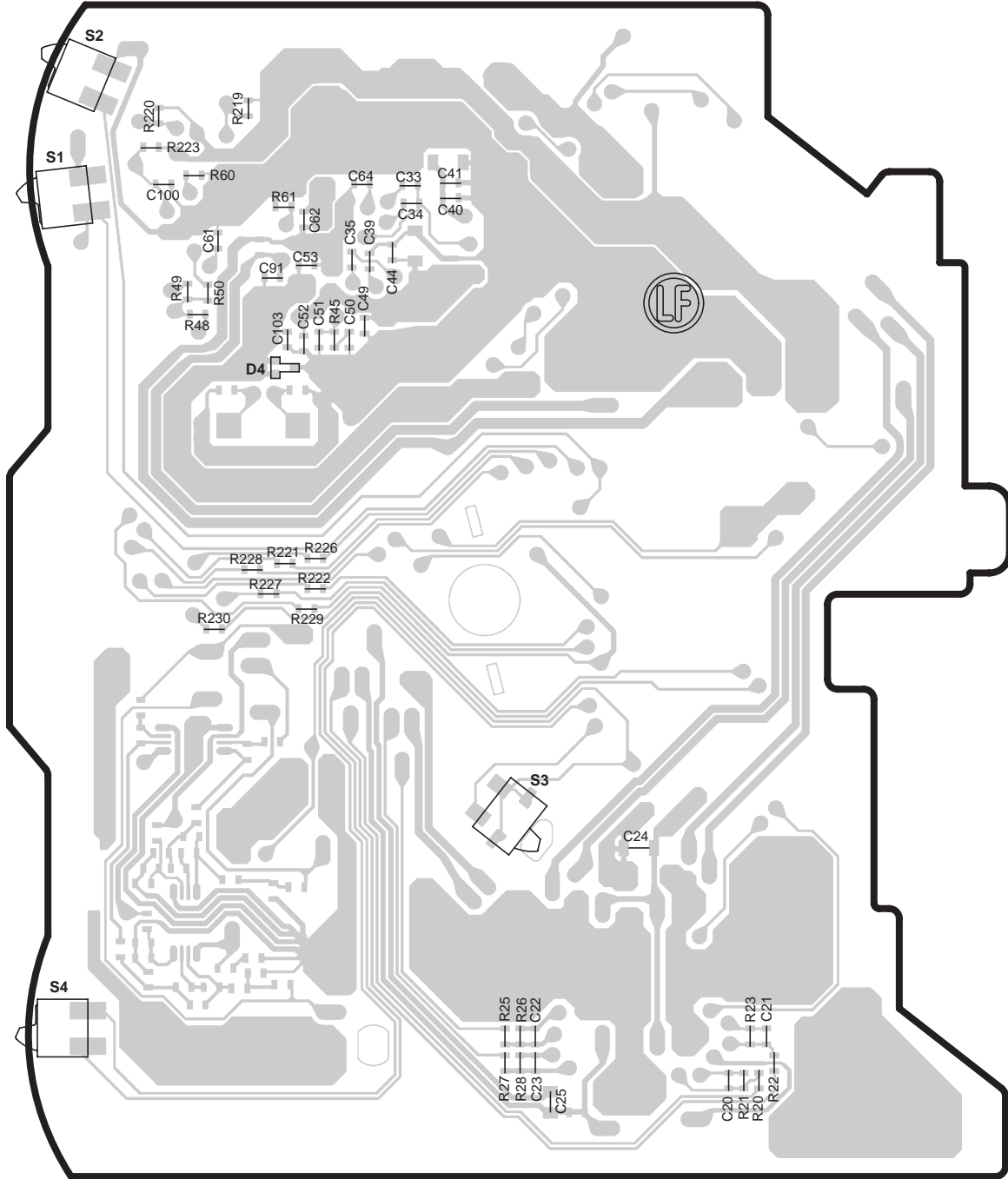
| Ref. No. | Address |
|----------|---------|
| IC1 | 5H |
| IC2 | 4J |
| IC3 | 4K |
| IC4 | 4G |
| IC6 | 2J |
| IC7 | 6M |
| IC8 | 6G |
| IC9 | 4L |
| Q1 | 3G |
| Q2 | 2G |
| Q3 | 3G |
| Q7 | 6G |
| Q8 | 6G |
| Q9 | 6G |
| Q101 | 3H |
| Q102 | 3I |
| Q103 | 3I |
| Q104 | 3I |
| Q105 | 4I |
| Q301 | 6H |
| Q302 | 7L |
| Q401 | 4K |
| Q402 | 5J |
| Q701 | 3L |
| Q702 | 3L |
| Q705 | 3L |
| Q901 | 3J |
| Q902 | 3I |
| Q903 | 3I |

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

KDC-W237AY/W237GY/W3037AY/W3037GY/
W311AY/W311GY/W3537AY/W3537GY/W4037Y

PC BOARD (COMPONENT SIDE VIEW)

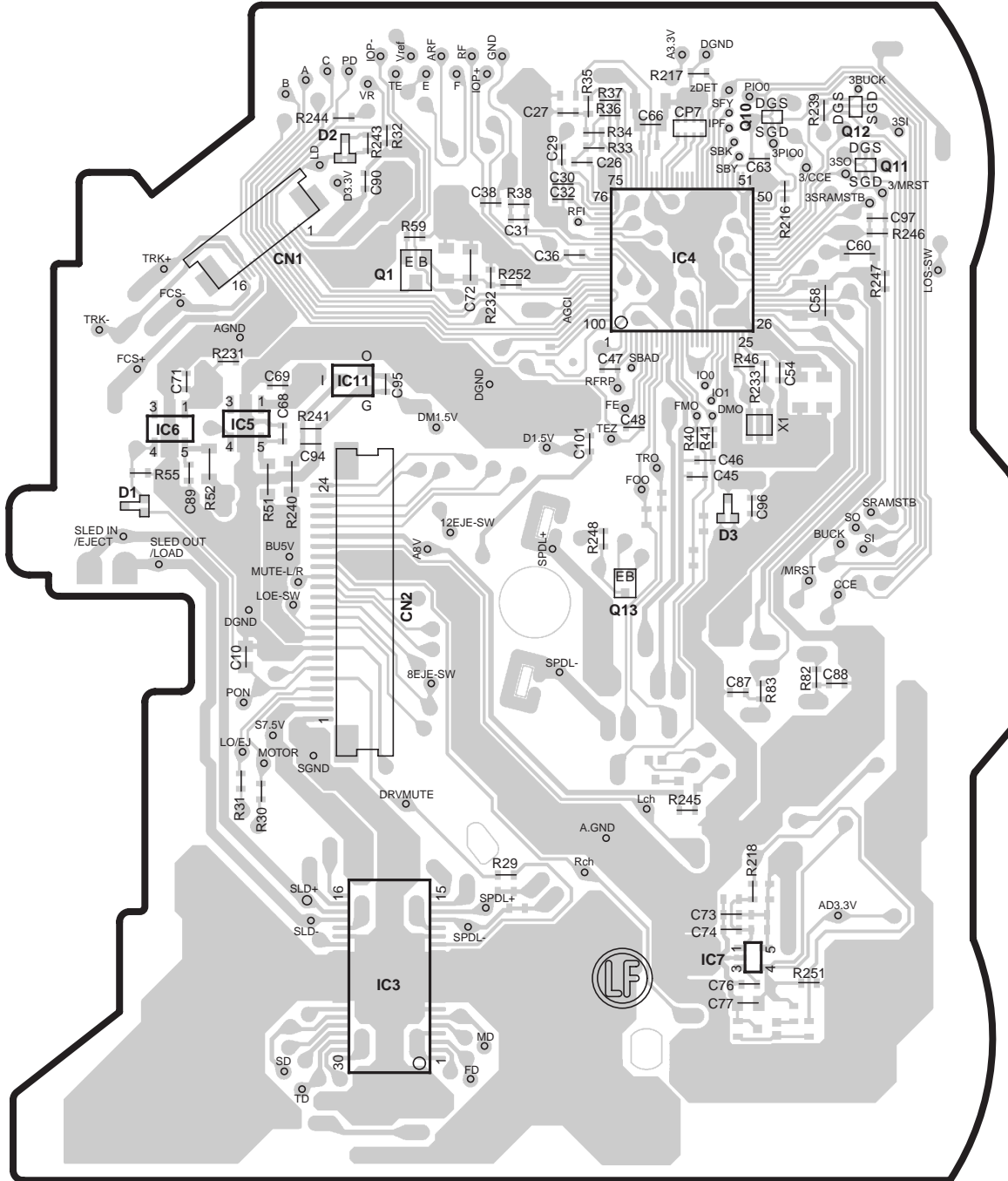
CD PLAYER UNIT X32-5970-00 (J76-0366-02)



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

PC BOARD (FOIL SIDE VIEW)

CD PLAYER UNIT X32-5970-00 (J76-0366-02)



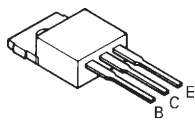
X32-5970-00

| Ref. No. | Address | Ref. No. | Address |
|----------|---------|----------|---------|
| IC3 | 5V | Q1 | 2V |
| IC4 | 2W | Q10 | 2X |
| IC5 | 3V | Q11 | 2X |
| IC6 | 3U | Q12 | 2X |
| IC7 | 5X | Q13 | 4W |
| IC11 | 3V | | |

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

ELECTRIC UNIT (X34-46xx-xx)

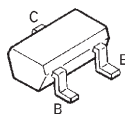
2SB1565



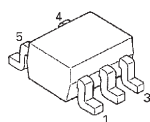
DTC114YUA
2SA1576A
2SC4617



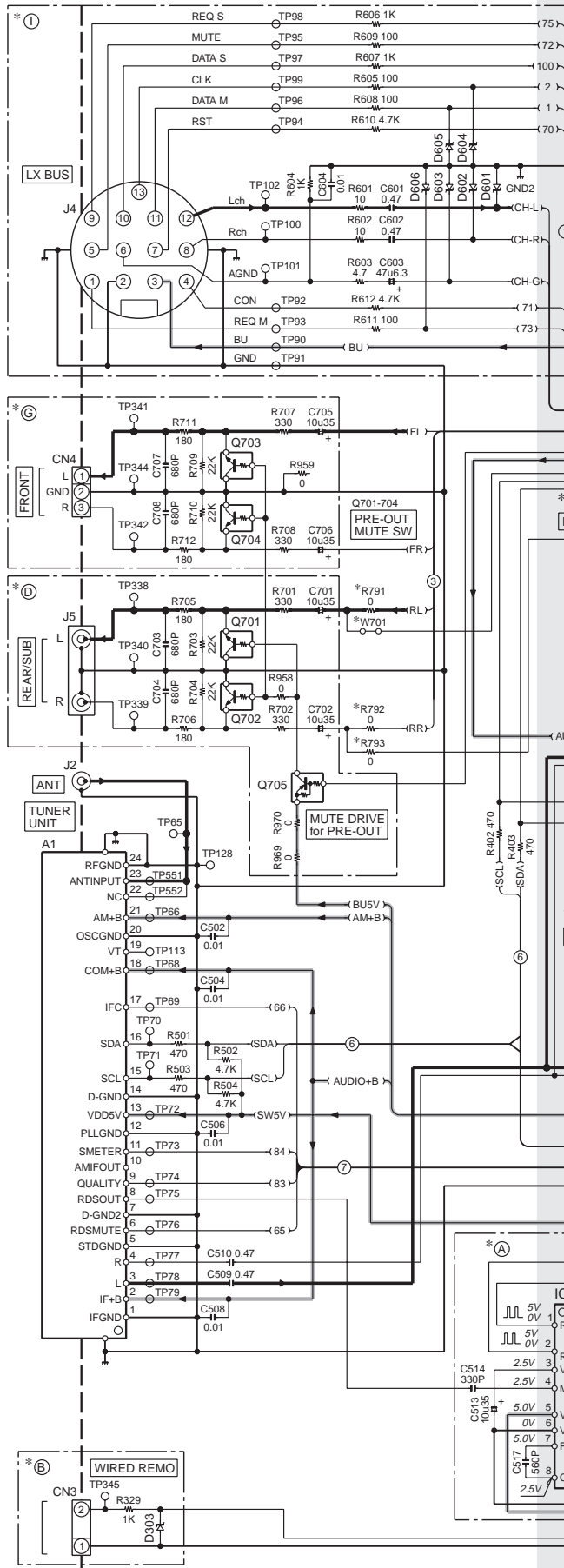
2SC4081

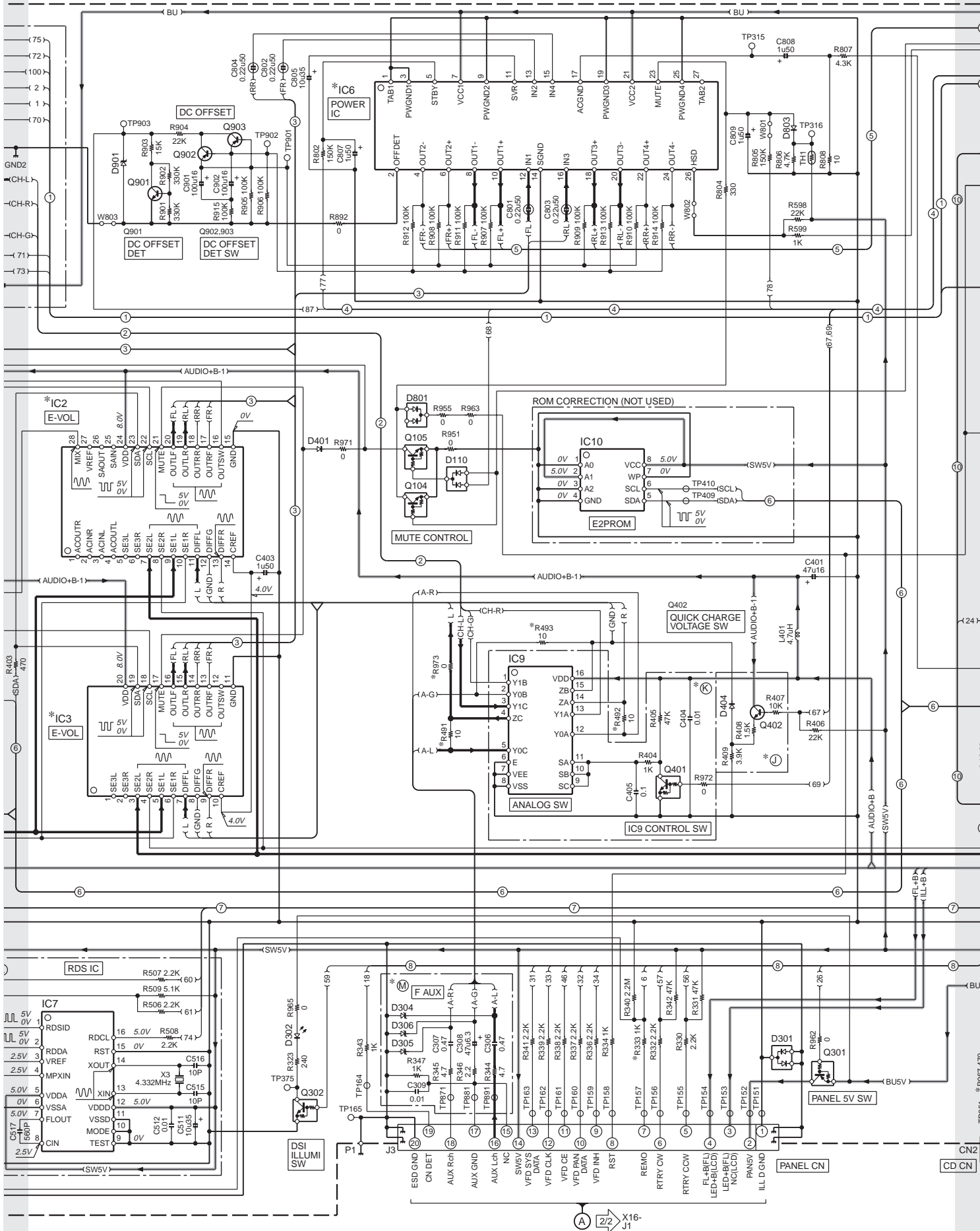


UMC2N

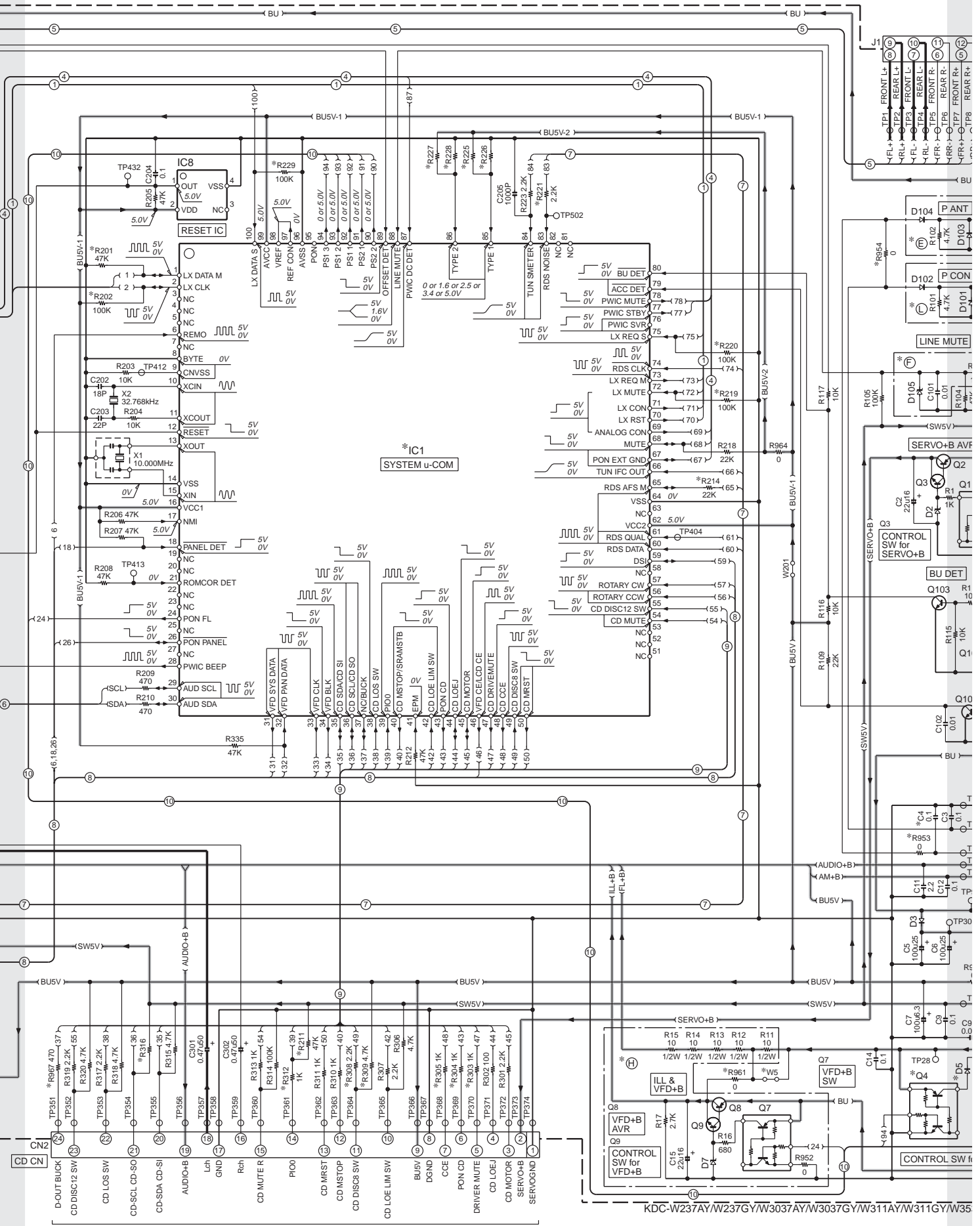


DAP202U
DA204U

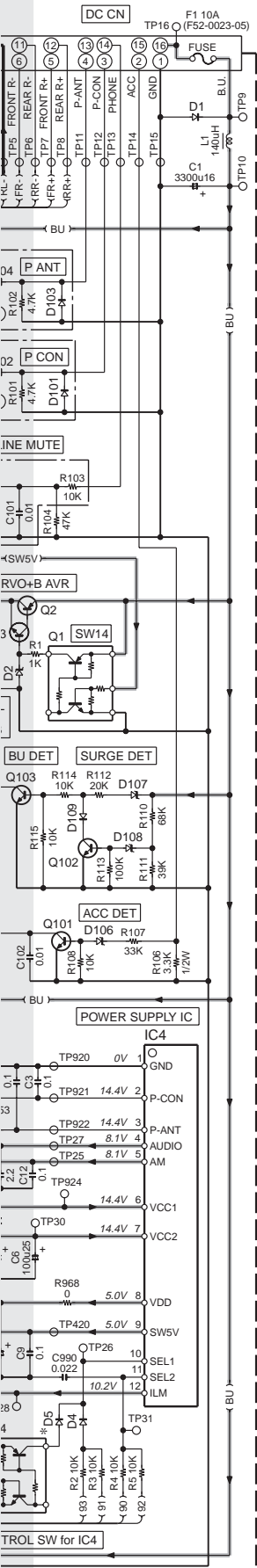




X16-
J1



to X32-CN2



ELECTRIC UNIT (X34-46xx-xx)

| MODEL NAME | DEST. IN/ON | UNIT No. | (A) | (B) | (D) | (E) | (F) | (G) | (H) | (I) | (J) | (K) | (L) | (M) | C4 | D5 | IC1 | IC2 or IC3 | IC6 | Q4 | R201,205, 219,220,225 | R21,308,305, 312,367 | R214, Z21 | R225 | R226 | R227 | R228 | R308 | R316 | R333 | R491, 492 | R791, 792 | R953 | R961 | R973 | W5 | W701 | | | | | | | |
|------------------|-------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---------------|------------|---------|----|-----------------------|----------------------|-----------|------|------|------|------|------|------|------|-----------|-----------|------|------|------|----|------|---|---|---|---|---|---|---|
| E223S | | X34-4630-02 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 30622MGPB23FP | E-TDA7418 | KK210Z | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | | | | | |
| E323S | | X34-4630-04 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 30622MGPB23FP | E-TDA7418 | KK209Z | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | | | | |
| RDT121 | J | X34-4630-01 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 30302MAPD32FP | E-TDA7418 | KK210Z | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | | | | |
| KDC-136GR | K4 | X34-4630-11 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 30622MGPB23FP | E-TDA7418 | KK210Z | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | | | | |
| KDC-MP205 | K2 | X34-4630-12 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 30622MGPB23FP | E-TDA7418 | KK210Z | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | | | |
| KDC-MP235 | K1 | X34-4630-11 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 30622MGPB23FP | E-TDA7418 | KK210Z | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | | | |
| KDC-MP235COR | K3 | X34-4630-13 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 30622MGPB23FP | E-TDA7418 | KK210Z | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | | | |
| KDC-136 | M7 | X34-4630-21 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 30302MAPD32FP | E-TDA7418 | KB209HQ | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | | | |
| KDC-MP3036 | M9 | X34-4630-24 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 30622MGPB23FP | E-TDA7418 | KB209Z | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | | | |
| KDC-MP3036AX | M8 | X34-4630-24 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 30622MGPB23FP | E-TDA7418 | KB209Z | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | | | |
| KDC-MP336/RCS | M6/M5/M7 | X34-4630-24 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 30622MGPB23FP | E-TDA7418 | KB209Z | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | | |
| KDC-MP336/AX/AXS | M3/M4 | X34-4630-23 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 30622MGPB23FP | E-TDA7418 | KB209Z | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | | |
| KDC-MP4036AX | M1 | X34-4630-21 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 30622MGPB23FP | E-TDA7418 | KB209Z | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | | |
| KDC-MP436AX | M2 | X34-4630-22 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 30302MAPD32FP | E-TDA7418 | KB209Z | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | | |
| KDC-237/SASG | E1E2 | X34-4672-76 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 30302MAPD32FP | E-TDA7418 | KB209HQ | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | | |
| KDC-237/SAT/SGY | E3E4 | X34-4672-76 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 30302MAPD32FP | E-TDA7418 | KB209HQ | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | | |
| KDC-237/SGY | E7E8 | X34-4672-76 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 30622MGPB23FP | E-TDA7418 | KB209HQ | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | | |
| KDC-W3037AY | E3E4 | X34-4672-74 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 30622MGPB23FP | E-TDA7418 | KB209Z | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | |
| KDC-W3037AY/GY | E3E4 | X34-4672-74 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 30622MGPB23FP | E-TDA7418 | KB209Z | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | |
| KDC-W311AY | E5E6 | X34-4672-75 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 30622MGPB23FP | E-TDA7418 | KB209Z | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | |
| KDC-W311AY/GY | E5E6 | X34-4672-75 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 30622MGPB23FP | E-TDA7418 | KB209Z | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| KDC-W3537AY | E1E2 | X34-4672-72 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 30622MGPB23FP | E-TDA7418 | KB209Z | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| KDC-W3537AY/GY | E1E2 | X34-4672-72 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 30622MGPB23FP | E-TDA7418 | KB209Z | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| KDC-W4037 | E | X34-4672-70 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 30622MGPB23FP | E-TDA7418 | KB209Z | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| KDC-W4037Y | E | X34-4672-71 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 30622MGPB23FP | E-TDA7418 | KB209Z | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

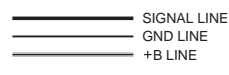
CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).
 △ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably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

• DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

- IC1 : 30302MAPD32FP
- IC2 : 30622MGPB23FP
- IC3 : 30622MGPB23FP
- IC4 : BD4913-V4
- IC6 : *
- IC7 : LC72725KV
- IC8 : S-80836CNNB-J
- IC9 : HEF4053BT
- IC10 : NOT USED

- Q1,4,7 : UMC2N
- Q2,8 : 2SB1565
- Q3,9,101-103,402,901 : 2SC4081
- Q104,105,401 : RT1N441M
- Q301 : RT1P144M
- Q302 : RT1N144M
- Q701-704 : RT1N430M
- Q705 : RT1P241M
- Q902,903 : 2SA1576A

- D1 : S2V60* A
- D2 : MTZJ8.2(B)
- D3,101,102,104 : D1F60-5063
- D4,5,109,401,404,803 : 1SS133
- D7 : MTZJ12(B)
- D103 : AM01ZNF
- D105,901 : MTZJ4.7(B)
- D106-108,306,601-606 : MTZJ6.8(B)
- D110,801 : MC2848
- D301 : DA204U
- D302 : B30-1567-05
- D303 : MTZJ6.2(B)
- D304,305 : UDZS6.8B



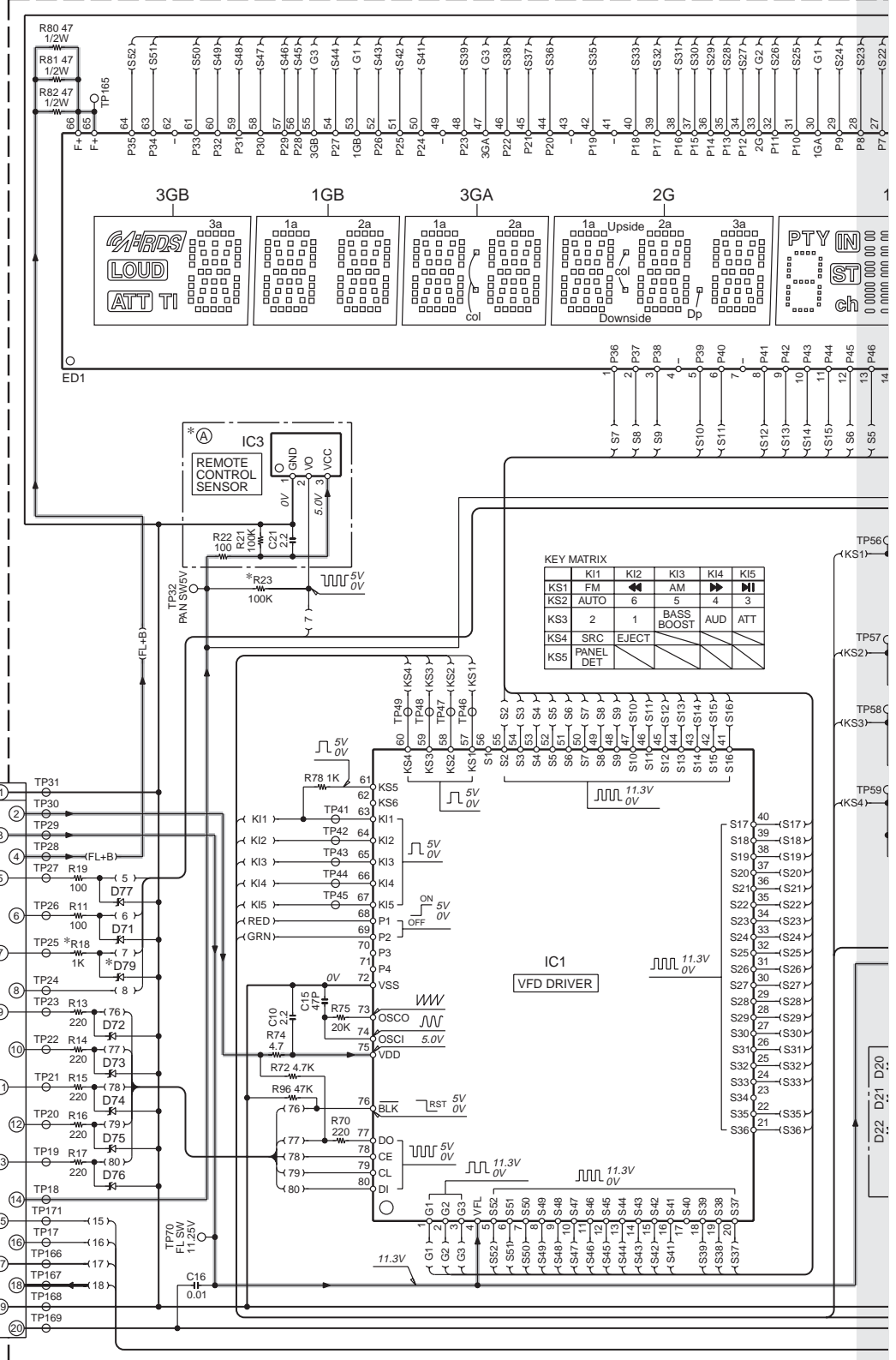
ANODE CONNECTION

| PIN NAME | 3GA,3GB | 2G | 1GA,1GB |
|----------|--------------|----------------|---------|
| P1 | — | col (Downside) | S1 |
| P2 | 2d | 2d | 2d |
| P3 | 1d | 1d | 1d |
| P4 | 2n | 2n | 2n |
| P5 | 1n | 1n | 1n |
| P6 | 2p | 2p | 2p |
| P7 | 1p | 1p | 1p |
| P8 | 2r | 2r | 2r |
| P9 | 1r | 1r | 1r |
| P10 | 2e | 2e | 2e |
| P11 | 1e | 1e | 1e |
| P12 | 2c | 2c | 2c |
| P13 | 1c | 1c | 1c |
| P14 | 2g | 2g | 2g |
| P15 | 1g | 1g | 1g |
| P16 | 2m | 2m | 2m |
| P17 | 1m | 1m | 1m |
| P18 | 2f | 2f | 2f |
| P19 | 1f | 1f | 1f |
| P20 | 2a | 2a | 2a |
| P21 | 1a | 1a | 1a |
| P22 | 2h | 2h | 2h |
| P23 | 1h | 1h | 1h |
| P24 | 2j | 2j | 2j |
| P25 | 1j | 1j | 1j |
| P26 | 2k | 2k | 2k |
| P27 | 1k | 1k | 1k |
| P28 | 2b | 2b | 2b |
| P29 | 1b | 1b | 1b |
| P30 | col (Upside) | S2 | |
| P31 | LOUD | — | S3 |
| P32 | ATT | — | S4 |
| P33 | TI | — | S5 |
| P34 | — | — | S6 |
| P35 | col | Dp | S7 |
| P36 | 3d | 3d | S8 |
| P37 | 3n | 3n | S9 |
| P38 | 3p | 3p | S10 |
| P39 | 3r | 3r | PTY |
| P40 | 3e | 3e | IN |
| P41 | 3c | 3c | ST |
| P42 | 3g | 3g | ch |
| P43 | 3m | 3m | d |
| P44 | 3f | 3f | e |
| P45 | 3b | 3b | c |
| P46 | 3k | 3k | g |
| P47 | 3j | 3j | f |
| P48 | 3h | 3h | b |
| P49 | 3a | 3a | a |

(3GB/1GB/3GA/2G)

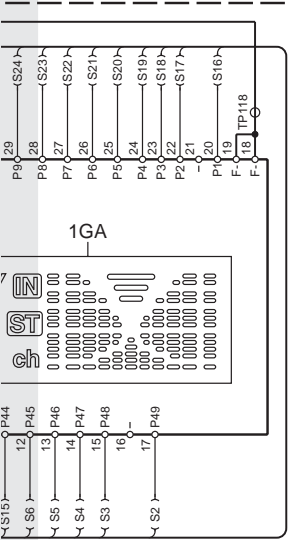
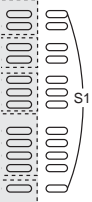
(1GA)

SWITCH UNIT (X16-386x-xx)



KEY MATRIX

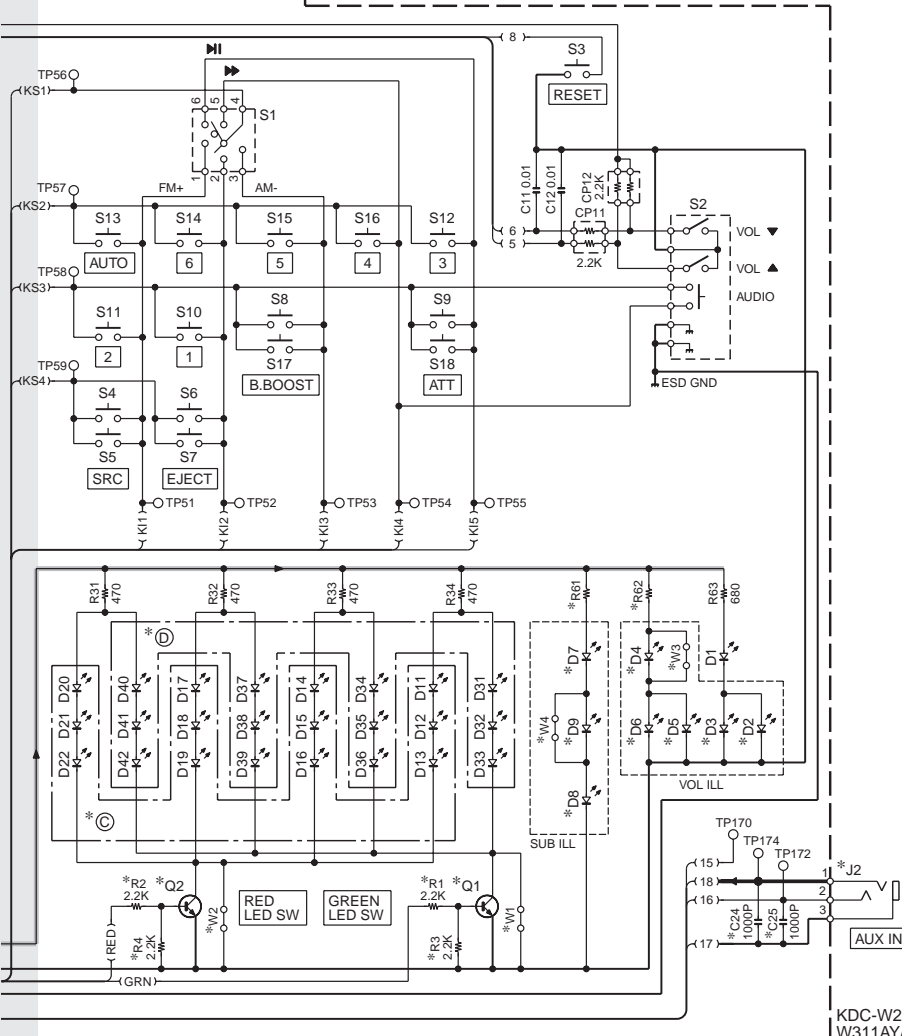
| | KI1 | KI2 | KI3 | KI4 | KI5 |
|-----|-----------|-------|------------|-----|-----|
| KS1 | FM | ◀ | AM | ▶ | MI |
| KS2 | AUTO | 6 | 5 | 4 | 3 |
| KS3 | 2 | 1 | BASS BOOST | AUD | ATT |
| KS4 | SRC | EJECT | | | |
| KS5 | PANEL DET | | | | |



SWITCH UNIT (X16-386x-xx)

| MODEL NAME | DESTI-NATION | UNIT No. | (A) | (C) | (D) | C24, 25 | D2,5 | D3,4,6,9 | D7,8 | D79 | J2 | Q1, 2 | R1-4 | R18 | R23 | R61 | R62 | W1 | W2 | W3, 4 | |
|-----------------|--------------|-------------|-----|-----|-------------|---------|------|-------------|-------------|-----|-------------|-------|------|-----|-----|-----|-----|-----|-----|-------|-----|
| E222/S | J1/J2 | X16-3860-01 | — | — | B30-1575-05 | YES | YES | — | B30-1767-05 | — | E11-0650-05 | — | — | — | — | — | 560 | 820 | YES | — | YES |
| E323S | J | X16-3860-01 | — | — | B30-1575-05 | YES | YES | — | B30-1767-05 | — | E11-0650-05 | — | — | — | — | — | 560 | 820 | YES | — | YES |
| KDC-MP2035 | K | X16-3860-10 | YES | YES | — | YES | YES | — | B30-1767-05 | YES | E11-0650-05 | — | — | YES | — | — | 560 | 820 | — | YES | YES |
| KDC-MP205 | K2 | X16-3862-73 | — | YES | — | YES | — | B30-1566-05 | B30-1566-05 | YES | E11-0649-05 | — | — | — | YES | YES | 470 | 680 | — | YES | — |
| KDC-MP235 | K1 | X16-3860-10 | YES | YES | — | YES | YES | — | B30-1767-05 | YES | E11-0650-05 | — | — | — | YES | — | 560 | 820 | — | YES | YES |
| KDC-MP235CR | K3 | X16-3862-75 | YES | YES | B30-1565-05 | YES | — | B30-1566-05 | B30-1566-05 | YES | E11-0649-05 | — | — | — | YES | — | 470 | 680 | — | YES | — |
| KDC-MP3036 | M9 | X16-3860-22 | YES | — | B30-1565-05 | — | — | B30-1565-05 | B30-1565-05 | YES | — | — | — | — | YES | — | 470 | 680 | YES | — | — |
| KDC-MP3036AX | M8 | X16-3862-76 | YES | — | B30-1565-05 | YES | — | B30-1565-05 | B30-1565-05 | YES | E11-0649-05 | — | — | — | YES | — | 470 | 680 | YES | — | — |
| KDC-MP336/RC/S | M6/M5/M7 | X16-3860-22 | YES | — | B30-1565-05 | — | — | B30-1565-05 | B30-1565-05 | YES | — | — | — | — | YES | — | 470 | 680 | YES | — | — |
| KDC-MP336AX/AXS | M3/M4 | X16-3862-76 | YES | — | B30-1565-05 | YES | — | B30-1565-05 | B30-1565-05 | YES | E11-0649-05 | — | — | — | YES | — | 470 | 680 | YES | — | — |
| KDC-MP4036AX | M1 | X16-3860-21 | YES | — | B30-1565-05 | YES | — | B30-1565-05 | B30-1767-05 | YES | E11-0650-05 | — | — | — | YES | — | 560 | 820 | YES | — | YES |
| KDC-MP436AX | M2 | X16-3862-76 | YES | — | B30-1565-05 | YES | — | B30-1565-05 | B30-1565-05 | YES | E11-0649-05 | — | — | — | YES | — | 470 | 680 | YES | — | — |
| KDC-237SA/SAY | E1/E3 | X16-3862-73 | — | YES | — | YES | — | B30-1566-05 | B30-1566-05 | YES | E11-0649-05 | — | — | — | YES | YES | 470 | 680 | — | YES | — |
| KDC-237SG/SGY | E2/E4 | X16-3862-74 | — | — | B30-1565-05 | YES | — | B30-1565-05 | B30-1565-05 | YES | E11-0650-05 | — | — | — | YES | YES | 470 | 680 | YES | — | — |
| KDC-W237A/AY | E7/E7 | X16-3862-73 | — | YES | — | YES | — | B30-1566-05 | B30-1566-05 | YES | E11-0649-05 | — | — | — | YES | YES | 470 | 680 | — | YES | — |
| KDC-W237G/GY | E8/E8 | X16-3862-74 | — | — | B30-1565-05 | YES | — | B30-1565-05 | B30-1565-05 | YES | E11-0650-05 | — | — | — | YES | YES | 470 | 680 | YES | — | — |
| KDC-W3037A/AY | E3/E3 | X16-3862-73 | — | YES | — | YES | — | B30-1566-05 | B30-1566-05 | YES | E11-0649-05 | — | — | — | YES | YES | 470 | 680 | — | YES | — |
| KDC-W3037G/GY | E4/E4 | X16-3862-74 | — | — | B30-1565-05 | YES | — | B30-1565-05 | B30-1565-05 | YES | E11-0650-05 | — | — | — | YES | YES | 470 | 680 | YES | — | — |
| KDC-W311A/AY | E5/E5 | X16-3862-73 | — | YES | — | YES | — | B30-1566-05 | B30-1566-05 | YES | E11-0649-05 | — | — | — | YES | YES | 470 | 680 | — | YES | — |
| KDC-W311G/GY | E6/E6 | X16-3862-74 | — | — | B30-1565-05 | YES | — | B30-1565-05 | B30-1565-05 | YES | E11-0650-05 | — | — | — | YES | YES | 470 | 680 | YES | — | — |
| KDC-W3537A/AY | E1/E1 | X16-3862-75 | YES | YES | — | YES | — | B30-1566-05 | B30-1566-05 | YES | E11-0649-05 | — | — | — | YES | — | 470 | 680 | — | YES | — |
| KDC-W3537G/GY | E2/E2 | X16-3862-76 | YES | — | B30-1565-05 | YES | — | B30-1565-05 | B30-1565-05 | YES | E11-0649-05 | — | — | — | YES | — | 470 | 680 | YES | — | — |
| KDC-W4037Y | E/E | X16-3862-72 | YES | YES | B30-1565-05 | YES | YES | — | B30-1767-05 | YES | E11-0649-05 | YES | YES | YES | — | — | 560 | 820 | — | — | YES |

- ED1 : 3-BT-224N
- IC1 : LC75756W
- IC3 : PNA4S22M02KW
- Q1,2 : 2SC4617
- D1,11-22: B30-1566-05
- D3,4,6-9,31-42 : *
- D2,5 : B30-1767-05
- D71-77,79 : UDZ5S.6B



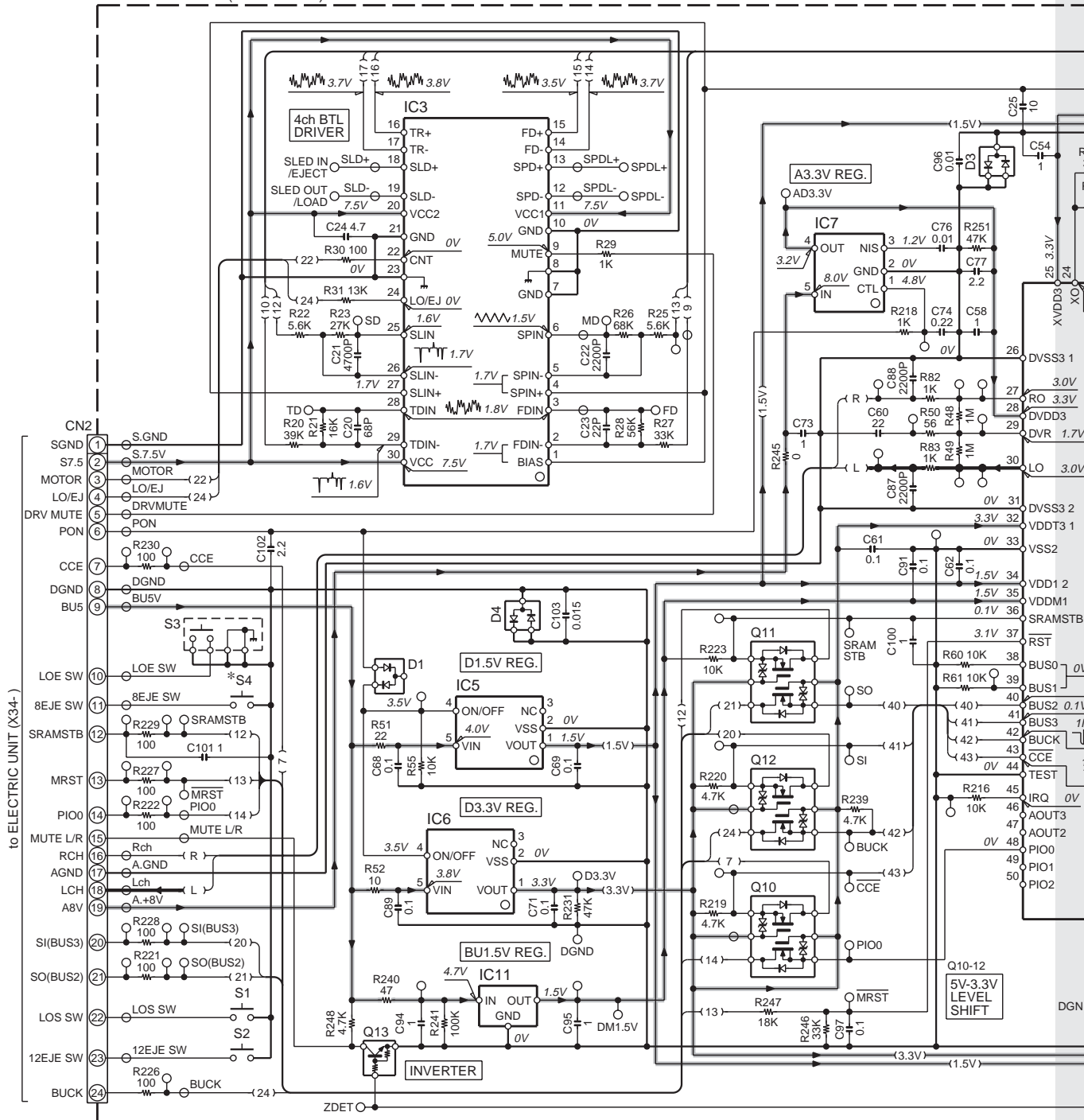
CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).
 ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably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

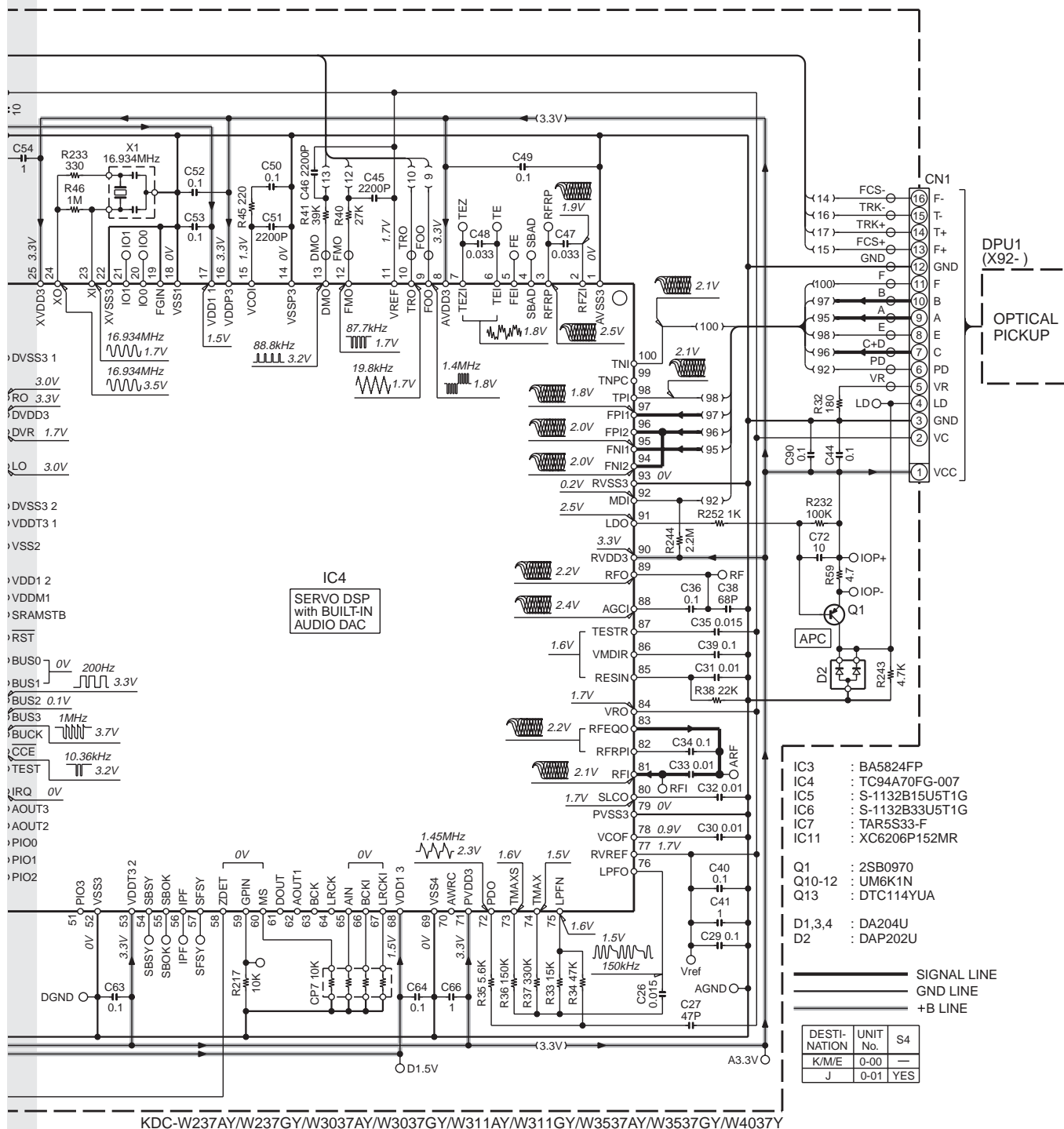
- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

KDC-W237AY/W237GY/W3037AY/W3037GY/
W311AY/W311GY/W3537AY/W3537GY/W4037Y (2/2)

KDC-W237AY/W237GY/W3037AY/W3037GY/
W311AY/W311GY/W3537AY/W3537GY/W4037Y

CD PLAYER UNIT (X32-597x-xx)





IC4
SERVO DSP
with BUILT-IN
AUDIO DAC

DPU1
(X92-)
OPTICAL PICKUP

- IC3 : BA5824FP
- IC4 : TC94A70FG-007
- IC5 : S-1132B15U5T1G
- IC6 : S-1132B33U5T1G
- IC7 : TAR5S33-F
- IC11 : XC6206P152MR

- Q1 : 2SB0970
- Q10-12 : UM6K1N
- Q13 : DTC114YUA

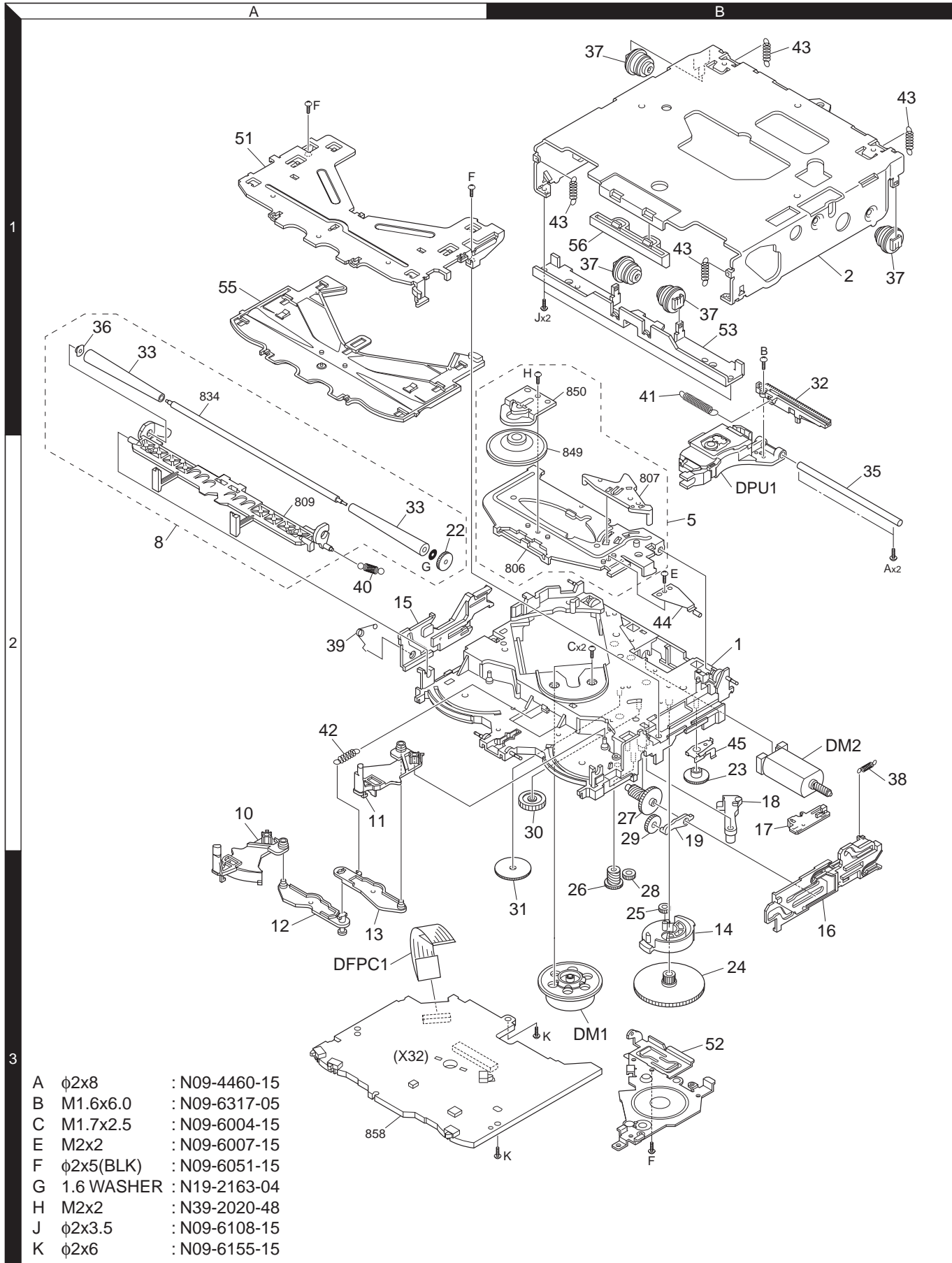
- D1,3,4 : DA204U
- D2 : DAP202U

| DESTI- NATION | UNIT No. | S4 |
|------------------|-------------|-----|
| K/M/E | 0-00 | — |
| J | 0-01 | YES |

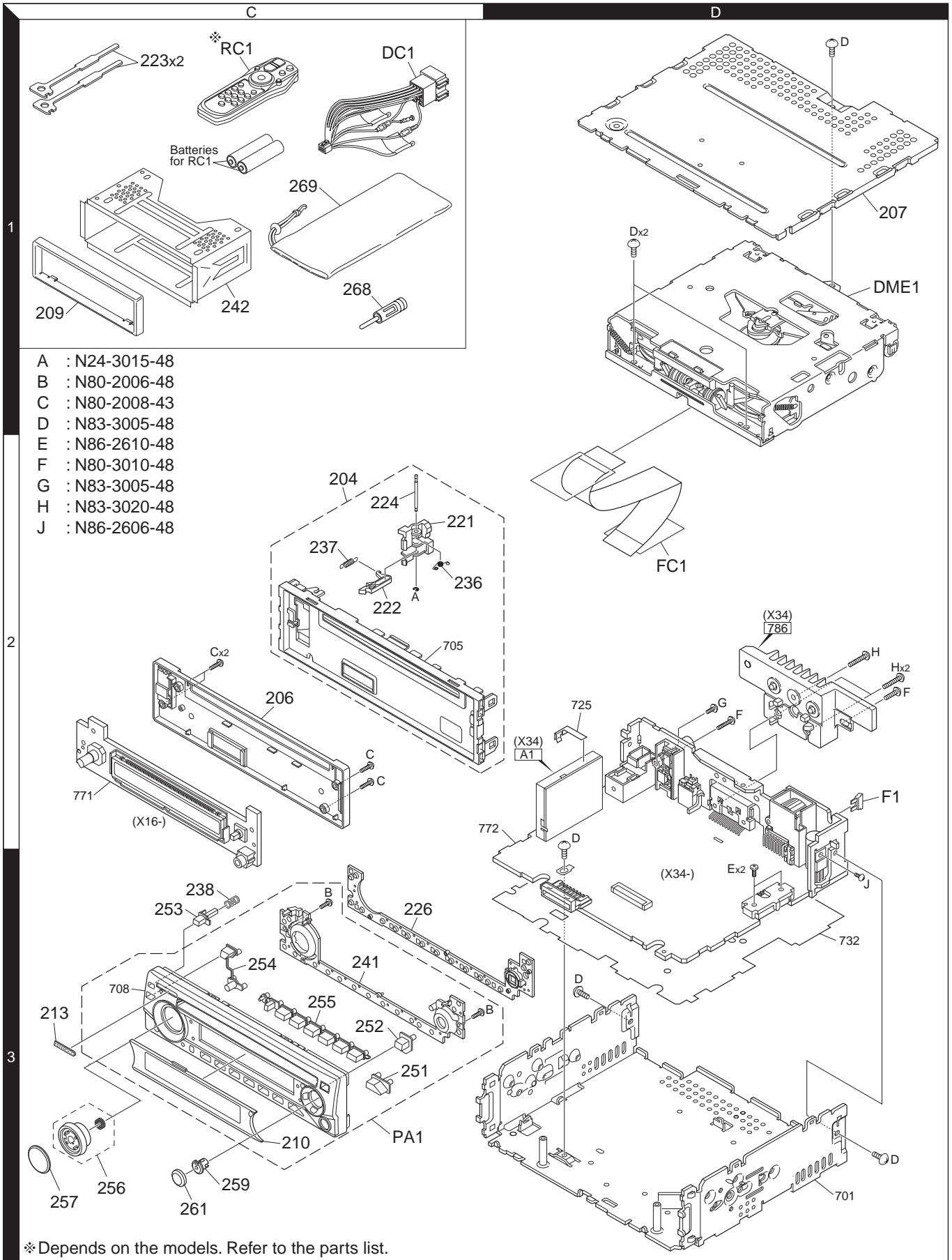
CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).
 ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably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

- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

EXPLODED VIEW (CD MECHANISM)



EXPLODED VIEW (UNIT)



Parts with the exploded numbers larger than 700 are not supplied.

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. | A d d | N e w | Parts No. | Description | Desti- nation |
|--|-------------|-------------|-------------|---------------------------------|------------------|
| KDC-W237/W3037/W311/W3537/W4037 | | | | | |
| 204 | 2C | * | A22-3117-13 | SUB PANEL ASSY | |
| 206 | 2C | * | A46-1846-11 | REAR COVER | |
| 207 | 1D | | A52-0804-12 | TOP PLATE | |
| PA1 | 3C | * | A64-4038-12 | PANEL ASSY | E |
| PA1 | 3C | * | A64-4042-12 | PANEL ASSY | E1E2 |
| PA1 | 3C | * | A64-4056-12 | PANEL ASSY | E3E4 |
| PA1 | 3C | * | A64-4057-12 | PANEL ASSY | E5E6 |
| PA1 | 3C | * | A64-4058-02 | PANEL ASSY | E7E8 |
| RC1 | 1C | * | A70-2087-05 | REMOTE CONTROLLER ASSY (RC-557) | EE1E2 |
| - | | | B46-0612-14 | ID CARD | EE1E2 |
| - | | | B46-0681-04 | ID CARD | E3E4E5 |
| - | | | B46-0681-04 | ID CARD | E6E7E8 |
| - | | * | B64-3496-00 | INST. MANUAL (ENGLISH) | |
| - | | * | B64-3498-00 | INST. MANUAL (RUSSIAN) | |
| 209 | 1C | | B07-3122-01 | ESCUTCHEON | EE1E2 |
| 209 | 1C | | B07-3122-01 | ESCUTCHEON | E3E4E7 |
| 209 | 1C | | B07-3122-01 | ESCUTCHEON | E8 |
| 209 | 1C | | B07-3123-01 | ESCUTCHEON | E5E6 |
| 210 | 3C | * | B10-4908-11 | FRONT GLASS | E |
| 210 | 3C | * | B10-4912-11 | FRONT GLASS | E1E2 |
| 210 | 3C | * | B10-4924-11 | FRONT GLASS | E3E4 |
| 210 | 3C | * | B10-4925-11 | FRONT GLASS | E5E6 |
| 210 | 3C | * | B10-4926-01 | FRONT GLASS | E7E8 |
| 213 | 3C | | B43-1518-04 | BADGE | |
| 221 | 2C | | D10-4446-03 | LEVER | |
| 222 | 2C | | D10-4447-03 | LEVER | |
| 223 | 1C | | D10-4589-04 | LEVER | |
| 224 | 2C | | D21-2329-04 | SHAFT | |
| 226 | 3C | * | E29-2089-02 | CONDUCTIVE RUBBER | |
| △ DC1 | 1C | | E30-6427-05 | DC CORD | |
| FC1 | 2D | | E39-0736-05 | FLAT CABLE (24-PIN) | |
| △ F1 | 2D | | F52-0023-05 | FUSE (MINI BLADE TYPE) (10A) | |
| 236 | 2C | | G01-2987-04 | TORSION COIL SPRING | |
| 237 | 2C | | G01-3096-04 | EXTENSION SPRING | |
| 238 | 3C | | G01-3244-04 | COMPRESSION SPRING (REL) | |
| - | | * | H54-3935-03 | ITEM CARTON CASE | E |
| - | | * | H54-3936-03 | ITEM CARTON CASE | E1 |
| - | | * | H54-3937-03 | ITEM CARTON CASE | E2 |
| - | | * | H54-3938-03 | ITEM CARTON CASE | E3 |
| - | | * | H54-3939-03 | ITEM CARTON CASE | E4 |
| - | | * | H54-3940-03 | ITEM CARTON CASE | E5 |
| - | | * | H54-3941-03 | ITEM CARTON CASE | E6 |
| - | | * | H54-3942-03 | ITEM CARTON CASE | E7 |
| - | | * | H54-3943-03 | ITEM CARTON CASE | E8 |
| 241 | 3C | * | J19-7158-01 | HOLDER | |
| 242 | 1C | | J21-9716-03 | MOUNTING HARDWARE ASSY | |
| 251 | 3C | * | K24-4653-04 | PUSH KNOB (SRC) | |
| 252 | 3C | * | K24-4652-04 | PUSH KNOB (EJECT) | |
| 253 | 3C | * | K24-4654-04 | PUSH KNOB (RELEASE) | |
| 254 | 3C | * | K25-1860-03 | PUSH KNOB (MENU/ATT) | |
| 255 | 3C | * | K25-1859-02 | PUSH KNOB (PRESET) | |

| Ref. No. | A d d | N e w | Parts No. | Description | Desti- nation |
|----------------------------------|-------------|-------------|---------------|----------------------------|------------------|
| 256 | 3C | * | K28-0201-03 | KNOB ASSY (VOL) | |
| 257 | 3C | * | K28-0190-03 | KEY TOP (VOL) | E |
| 257 | 3C | * | K28-0191-03 | KEY TOP (VOL) | E1E2E3 |
| 257 | 3C | * | K28-0191-03 | KEY TOP (VOL) | E4E5E6 |
| 257 | 3C | * | K28-0191-03 | KEY TOP (VOL) | E7E8 |
| 259 | 3C | | K29-7141-03 | KNOB BASE (FM/AM) | |
| 261 | 3C | * | K28-0195-03 | KEY TOP (FM/AM) | E |
| 261 | 3C | * | K28-0196-03 | KEY TOP (FM/AM) | E1E2E3 |
| 261 | 3C | * | K28-0196-03 | KEY TOP (FM/AM) | E4E5E6 |
| 261 | 3C | * | K28-0196-03 | KEY TOP (FM/AM) | E7E8 |
| A | 2C | | N24-3015-48 | E TYPE RETAINING RING | |
| B | 3C | | N80-2006-48 | PAN HEAD TAPTITE SCREW | |
| C | 2C | | N80-2008-43 | PAN HEAD TAPTITE SCREW | |
| D | 1D | | N83-3005-48 | PAN HEAD TAPTITE SCREW | |
| E | 3D | | N86-2610-48 | BINDING HEAD TAPTITE SCREW | |
| 268 | 1C | | T90-0523-05 | ANTENNA ADAPTOR | |
| 269 | 1C | * | W01-1685-05 | CARRYING CASE | |
| DME1 | 1D | * | X92-5880-00 | MECHANISM ASSY (DXM-6E00W) | |
| SWITCH UNIT (X16-386x-xx) | | | | | |
| D1 | | | B30-1566-05 | LED (1608,RED) | |
| D2 | | * | B30-1767-05 | LED | E |
| D3,4 | | | B30-1565-05 | LED (1608,PG) | E2E4E6 |
| D3,4 | | | B30-1565-05 | LED (1608,PG) | E8 |
| D3,4 | | | B30-1566-05 | LED (1608,RED) | E1E3E5 |
| D3,4 | | | B30-1566-05 | LED (1608,RED) | E7 |
| D5 | | * | B30-1767-05 | LED | E |
| D6-9 | | | B30-1565-05 | LED (1608,PG) | E2E4E6 |
| D6-9 | | | B30-1565-05 | LED (1608,PG) | E8 |
| D6-9 | | | B30-1566-05 | LED (1608,RED) | E1E3E5 |
| D6-9 | | | B30-1566-05 | LED (1608,RED) | E7 |
| D7,8 | | * | B30-1767-05 | LED | E |
| D11-22 | | | B30-1566-05 | LED (1608,RED) | EE1E3 |
| D11-22 | | | B30-1566-05 | LED (1608,RED) | E5E7 |
| D31-42 | | | B30-1565-05 | LED (1608,PG) | EE2E4 |
| D31-42 | | | B30-1565-05 | LED (1608,PG) | E6E8 |
| C10 | | | CK73GB0J225K | CHIP C 2.2UF K | |
| C11,12 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C15 | | | CC73GCH1H470J | CHIP C 47PF J | |
| C16 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C21 | | | CK73FB1A225K | CHIP C 2.2UF K | EE1E2 |
| C24,25 | | | CK73GB1H102K | CHIP C 1000PF K | |
| J1 | | * | E59-0852-05 | RECTANGULAR PLUG | |
| J2 | | * | E11-0649-05 | 3.5D PHONE JACK | EE1E2 |
| J2 | | * | E11-0649-05 | 3.5D PHONE JACK | E3E5E7 |
| J2 | | * | E11-0650-05 | 3.5D PHONE JACK | E4E6E8 |
| CP11,12 | | | RK74GA1J222J | CHIP-COM 2.2K J 1/16W | |
| R1-4 | | | RK73GB2A222J | CHIP R 2.2K J 1/10W | E |
| R11 | | | RK73GB2A101J | CHIP R 100 J 1/10W | |
| R13-17 | | | RK73GB2A221J | CHIP R 220 J 1/10W | |
| R18 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R19 | | | RK73GB2A101J | CHIP R 100 J 1/10W | |

E : KDC-W4037Y E1 : KDC-W3537AY E2 : KDC-W3537GY E3 : KDC-W3037AY E4 : KDC-W3037GY
E5 : KDC-W311AY E6 : KDC-W311GY E7 : KDC-W237AY E8 : KDC-W237GY

△ Indicates safety critical components.

PARTS LIST

SWITCH UNIT (X16-386x-xx)

| Ref. No. | Add | New | Parts No. | Description | Destination | Ref. No. | Add | New | Parts No. | Description | Destination |
|---|-----|-----|---------------|----------------------------|-------------|----------|-----|-----|--------------|----------------------|-------------|
| R21 | | | RK73GB2A104J | CHIP R 100K J 1/10W | EE1E2 | C45,46 | | | CK73GB1H222K | CHIP C 2200PF K | |
| R22 | | | RK73GB2A101J | CHIP R 100 J 1/10W | EE1E2 | C47,48 | | | CK73GB1H333K | CHIP C 0.033UF K | |
| R23 | | | RK73GB2A104J | CHIP R 100K J 1/10W | E3E4E5 | C49,50 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| R23 | | | RK73GB2A104J | CHIP R 100K J 1/10W | E6E7E8 | C51 | | | CK73GB1H222K | CHIP C 2200PF K | |
| R31-34 | | | RK73FB2B471J | CHIP R 470 J 1/8W | | C52,53 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| R61 | | | RK73EB2E471J | CHIP R 470 J 1/4W | E1E2E3 | C54 | | | CK73GB1A105K | CHIP C 1.0UF K | |
| R61 | | | RK73EB2E471J | CHIP R 470 J 1/4W | E4E5E6 | C58 | | | CK73EB1E105K | CHIP C 1.0UF K | |
| R61 | | | RK73EB2E471J | CHIP R 470 J 1/4W | E7E8 | C60 | | | CK73EB0J226K | CHIP C 22UF K | |
| R61 | | | RK73EB2E561J | CHIP R 560 J 1/4W | E | C61-64 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| R62 | | | RK73EB2E821J | CHIP R 820 J 1/4W | E | C66 | | | CK73FB1C105K | CHIP C 1.0UF K | |
| R62,63 | | | RK73EB2E681J | CHIP R 680 J 1/4W | E1E2E3 | C68,69 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| R62,63 | | | RK73EB2E681J | CHIP R 680 J 1/4W | E4E5E6 | C71 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| R62,63 | | | RK73EB2E681J | CHIP R 680 J 1/4W | E7E8 | C72 | | | CK73EB1A106K | CHIP C 10UF K | |
| R63 | | | RK73EB2E681J | CHIP R 680 J 1/4W | E | C73 | | | CK73GB1A105K | CHIP C 1.0UF K | |
| R70 | | | RK73GB2A221J | CHIP R 220 J 1/10W | | C74 | | | CK73GB1C224K | CHIP C 0.22UF K | |
| R72 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | | C76 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| R74 | | | RK73GB2A4R7J | CHIP R 4.7 J 1/10W | | C77 | | | CK73FB1A225K | CHIP C 2.2UF K | |
| R75 | | | RK73GB2A203J | CHIP R 20K J 1/10W | | C87,88 | | | CK73GB1H222K | CHIP C 2200PF K | |
| R78 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | | C89-91 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| R80-82 | | | RK73PB2H470J | CHIP R 47 J 1/2W | | C94,95 | | | CK73GB1A105K | CHIP C 1.0UF K | |
| R96 | | | RK73GB2A473J | CHIP R 47K J 1/10W | | C96 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| W1 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | E2E4E6 | C97 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| W1 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | E8 | C100,101 | | | CK73GB1A105K | CHIP C 1.0UF K | |
| W2 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | E1E3E5 | C102 | | | CK73FB1A225K | CHIP C 2.2UF K | |
| W2 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | E7 | C103 | | | CK73GB1H153K | CHIP C 0.015UF K | |
| W3,4 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | E | CN1 | | | E41-2612-05 | FLAT CABLE CONNECTOR | |
| S1 | | | S70-0106-05 | TACT SWITCH | | CN2 | | | E41-2083-15 | FLAT CABLE CONNECTOR | |
| S2 | | * | T99-0474-05 | ROTARY ENCODER | | X1 | | * | L78-1221-05 | RESONATOR (16.93MHZ) | |
| D71-77 | | | UDZS5.6B | ZENER DIODE | | CP7 | | | RK74GB1J103J | CHIP-COM 10K J 1/16W | |
| D79 | | | UDZS5.6B | ZENER DIODE | | R20 | | | RK73GB2A393J | CHIP R 39K J 1/10W | |
| ED1 | | | 3-BT-224N | FLUORESCENT INDICATOR TUBE | | R21 | | | RK73GB2A163J | CHIP R 16K J 1/10W | |
| IC1 | | | LC75756W | MOS-IC | | R22 | | | RK73GB2A562J | CHIP R 5.6K J 1/10W | |
| IC3 | | | PNA4S22M02KW | ANALOGUE IC | EE1E2 | R23 | | | RK73GB2A273J | CHIP R 27K J 1/10W | |
| Q1,2 | | | 2SC4617 | TRANSISTOR | E | R25 | | | RK73GB2A562J | CHIP R 5.6K J 1/10W | |
| CD PLAYER UNIT (X32-5970-00) IN CD MECHA | | | | | | R26 | | | RK73GB2A683J | CHIP R 68K J 1/10W | |
| C20 | | | CC73GCH1H680J | CHIP C 68PF J | | R27 | | | RK73GB2A333J | CHIP R 33K J 1/10W | |
| C21 | | | CK73GB1H472K | CHIP C 4700PF K | | R28 | | | RK73GB2A563J | CHIP R 56K J 1/10W | |
| C22 | | | CK73GB1H222K | CHIP C 2200PF K | | R29 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| C23 | | | CC73GCH1H220J | CHIP C 22PF J | | R30 | | | RK73GB2A101J | CHIP R 100 J 1/10W | |
| C24 | | | CK73EB1A475K | CHIP C 4.7UF K | | R31 | | | RK73GB2A133J | CHIP R 13K J 1/10W | |
| C25 | | | CK73FB0J106K | CHIP C 10UF K | | R32 | | | RK73GB2A181J | CHIP R 180 J 1/10W | |
| C26 | | | CK73GB1H153K | CHIP C 0.015UF K | | R33 | | | RK73GB2A153J | CHIP R 15K J 1/10W | |
| C27 | | | CC73GCH1H470J | CHIP C 47PF J | | R34 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| C29 | | | CK73GB1H104K | CHIP C 0.10UF K | | R35 | | | RK73GB2A562J | CHIP R 5.6K J 1/10W | |
| C30-33 | | | CK73GB1H103K | CHIP C 0.010UF K | | R36 | | | RK73GB2A154J | CHIP R 150K J 1/10W | |
| C34 | | | CK73GB1H104K | CHIP C 0.10UF K | | R37 | | | RK73GB2A334J | CHIP R 330K J 1/10W | |
| C35 | | | CK73GB1H153K | CHIP C 0.015UF K | | R38 | | | RK73GB2A223J | CHIP R 22K J 1/10W | |
| C36 | | | CK73GB1H104K | CHIP C 0.10UF K | | R40 | | | RK73GB2A273J | CHIP R 27K J 1/10W | |
| C38 | | | CC73GCH1H680J | CHIP C 68PF J | | R41 | | | RK73GB2A393J | CHIP R 39K J 1/10W | |
| C39,40 | | | CK73GB1H104K | CHIP C 0.10UF K | | R45 | | | RK73GB2A221J | CHIP R 220 J 1/10W | |
| C41 | | | CK73GB1A105K | CHIP C 1.0UF K | | R46 | | | RK73GB2A105J | CHIP R 1.0M J 1/10W | |
| C44 | | | CK73GB1H104K | CHIP C 0.10UF K | | R48,49 | | | RK73GB2A105J | CHIP R 1.0M J 1/10W | |
| | | | | | | R50 | | | RK73GB2A560J | CHIP R 56 J 1/10W | |

E : KDC-W4037Y E1 : KDC-W3537AY E2 : KDC-W3537GY E3 : KDC-W3037AY E4 : KDC-W3037GY E5 : KDC-W311AY E6 : KDC-W311GY E7 : KDC-W237AY E8 : KDC-W237GY Δ Indicates safety critical components.

PARTS LIST

CD PLAYER UNIT (X32-5970-00) IN CD MECHA

| Ref. No. | A d d | N e w | Parts No. | Description | Desti- nation | Ref. No. | A d d | N e w | Parts No. | Description | Desti- nation |
|------------------------------------|-------------|-------------|----------------|---------------------|------------------|----------|-------------|-------------|---------------|-----------------------------|------------------|
| R51 | | | RK73EB2E220J | CHIP R 22 J 1/4W | | C101,102 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| R52 | | | RK73EB2E100J | CHIP R 10 J 1/4W | | C202 | | | CC73GCH1H180J | CHIP C 18PF J | |
| R55 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | C203 | | | CC73GCH1H220J | CHIP C 22PF J | |
| R59 | | | RK73GB2A4R7J | CHIP R 4.7 J 1/10W | | C204 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| R60,61 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | C205 | | | CK73GB1H102K | CHIP C 1000PF K | |
| R82,83 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | | C301,302 | | | CD04AB1HR47M | ELECTRO 0.47UF 50WV | |
| R216,217 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | C306,307 | | | CK73FB1E474K | CHIP C 0.47UF K | |
| R218 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | | C308 | | | CD04AB0J470M | ELECTRO 47UF 6.3WV | |
| R219,220 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | | C309 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| R221,222 | | | RK73GB2A101J | CHIP R 100 J 1/10W | | C401 | | | CD04AB1C470M | ELECTRO 47UF 16WV | |
| R223 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | C403 | | | CD04AB1H010M | ELECTRO 1.0UF 50WV | |
| R226-230 | | | RK73GB2A101J | CHIP R 100 J 1/10W | | C404 | | | CK73GB1H103K | CHIP C 0.010UF K | EE1E2 |
| R231 | | | RK73GB2A473J | CHIP R 47K J 1/10W | | C405 | | | CK73GB1H104K | CHIP C 0.10UF K | EE1E2 |
| R232 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | C502 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| R233 | | | RK73GB2A331J | CHIP R 330 J 1/10W | | C504 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| R239 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | | C506 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| R240 | | | RK73EB2E470J | CHIP R 47 J 1/4W | | C508 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| R241 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | C509,510 | | | CK73GB1A474K | CHIP C 0.47UF K | |
| R243 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | | C511 | | | CD04AB1V100M | ELECTRO 10UF 35WV | EE1E2 |
| R244 | | | RK73GB2A225J | CHIP R 2.2M J 1/10W | | C511 | | | CD04AB1V100M | ELECTRO 10UF 35WV | E3E4E5 |
| R245 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | C511 | | | CD04AB1V100M | ELECTRO 10UF 35WV | E6 |
| R246 | | | RK73GB2A333J | CHIP R 33K J 1/10W | | C512 | | | CK73GB1H103K | CHIP C 0.010UF K | EE1E2 |
| R247 | | | RK73GB2A183J | CHIP R 18K J 1/10W | | C512 | | | CK73GB1H103K | CHIP C 0.010UF K | E3E4E5 |
| R248 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | | C512 | | | CK73GB1H103K | CHIP C 0.010UF K | E6 |
| R251 | | | RK73GB2A473J | CHIP R 47K J 1/10W | | C513 | | | CD04AB1V100M | ELECTRO 10UF 35WV | EE1E2 |
| R252 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | C513 | | | CD04AB1V100M | ELECTRO 10UF 35WV | E3E4E5 |
| S1,2 | | | S68-0863-05 | PUSH SWITCH | | C513 | | | CD04AB1V100M | ELECTRO 10UF 35WV | E6 |
| S3 | | | S68-0862-05 | PUSH SWITCH | | C514 | | | CC73GCH1H331J | CHIP C 330PF J | EE1E2 |
| D1 | | | DA204U | DIODE | | C514 | | | CC73GCH1H331J | CHIP C 330PF J | E3E4E5 |
| D2 | | | DAP202U | DIODE | | C514 | | | CC73GCH1H331J | CHIP C 330PF J | E6 |
| D3,4 | | | DA204U | DIODE | | C515,516 | | | CC73GCH1H100D | CHIP C 10PF D | EE1E2 |
| IC3 | | | BA5824FP | ANALOGUE IC | | C515,516 | | | CC73GCH1H100D | CHIP C 10PF D | E3E4E5 |
| IC4 | | * | TC94A70FG-007 | MOS-IC | | C517 | | | CC73GCH1H561J | CHIP C 560PF J | E6 |
| IC5 | | * | S-1132B15U5T1G | ANALOGUE IC | | C517 | | | CC73GCH1H561J | CHIP C 560PF J | EE1E2 |
| IC6 | | * | S-1132B33U5T1G | ANALOGUE IC | | C601,602 | | | CK73FB1E474K | CHIP C 0.47UF K | EE1E2 |
| IC7 | | | TAR5S33-F | ANALOGUE IC | | C603 | * | | CD04AC0J470M | ELECTRO 47UF 6.3WV | EE1E2 |
| IC11 | | * | XC6206P152MR | ANALOGUE IC | | C604 | | | CK73GB1H103K | CHIP C 0.010UF K | EE1E2 |
| Q1 | | | 2SB0970 | TRANSISTOR | | C701,702 | | | CD04AB1V100M | ELECTRO 10UF 35WV | E |
| Q10-12 | | | UM6K1N | DUAL FET | | C703,704 | | | CC73GCH1H681J | CHIP C 680PF J | E |
| Q13 | | | DTC114YUA | DIGITAL TRANSISTOR | | C801-804 | | | C90-6735-05 | NP-ELECT 0.22UF 50WV | |
| ELECTRIC UNIT (X34-467x-xx) | | | | | | | | | CD04AB1V100M | ELECTRO 10UF 35WV | |
| D302 | | | B30-1567-05 | LED (1608,RED) | | C805 | | | CD04AB1H010M | ELECTRO 1.0UF 50WV | |
| C1 | | * | CD04AZ1C332M2 | ELECTRO 3300UF 16WV | | C807 | | | CD04AB1H010M | ELECTRO 1.0UF 50WV | |
| C2 | | | CD04AB1C220M | ELECTRO 22UF 16WV | | C808 | | | C90-6802-05 | ELECTRO 1UF 50WV | |
| C3 | | | CK73GB1H104K | CHIP C 0.10UF K | | C809 | | | CD04AB1H010M | ELECTRO 1.0UF 50WV | |
| C5,6 | | | CD04AT1E101M | ELECTRO 100UF 25WV | | C901,902 | | | CD04AB1C101M | ELECTRO 100UF 16WV | |
| C7 | | | CD04AB0J101M | ELECTRO 100UF 6.3WV | | C990 | | | CK73GB1H223K | CHIP C 0.022UF K | |
| C9 | | | CK73GB1H104K | CHIP C 0.10UF K | | CN2 | | | E41-2581-05 | FLAT CABLE CONNECTOR | |
| C11 | | | CK73FB1A225K | CHIP C 2.2UF K | | J1 | | | E58-0991-05 | RECTANGULAR RECEPTACLE | |
| C12 | | | CK73GB1H104K | CHIP C 0.10UF K | | J2 | * | | E04-0334-05 | RF COAXIAL CABLE RECEPTACLE | |
| C14 | | | CK73GB1H104K | CHIP C 0.10UF K | | J3 | * | | E58-1060-05 | RECTANGULAR RECEPTACLE | |
| C15 | | | CD04AB1C220M | ELECTRO 22UF 16WV | | J4 | | | E56-0855-05 | CYLINDRICAL RECEPTACLE | EE1E2 |
| | | | | | | J5 | * | | E63-0941-05 | PIN JACK | E |

E : KDC-W4037Y E1 : KDC-W3537AY E2 : KDC-W3537GY E3 : KDC-W3037AY E4 : KDC-W3037GY E5 : KDC-W311AY E6 : KDC-W311GY E7 : KDC-W237AY E8 : KDC-W237GY Δ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-467x-xx)

| Ref. No. | Add | New | Parts No. | Description | Destination | Ref. No. | Add | New | Parts No. | Description | Destination |
|----------|-----|-----|--------------|-------------------------------|-------------|----------|-----|-----|--------------|---------------------|-------------|
| L1 | | | L33-2319-05 | CHOKE COIL ASSY | | R227 | | | RK73GB2A223J | CHIP R 22K J 1/10W | E5E6E7 |
| L401 | | | L41-4795-33 | SMALL FIXED INDUCTOR (4.7UH) | | R227 | | | RK73GB2A223J | CHIP R 22K J 1/10W | E8 |
| X1 | | * | L78-1218-05 | RESONATOR (10.000MHZ) | | R228 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| X2 | | | L77-2920-05 | CRYSTAL RESONATOR (32.768KHZ) | | R229 | | | RK73GB2A104J | CHIP R 100K J 1/10W | EE1E2 |
| X3 | | | L77-2002-05 | CRYSTAL RESONATOR (4.332MHZ) | EE1E2 | R301 | | | RK73GB2A222J | CHIP R 2.2K J 1/10W | |
| X3 | | | L77-2002-05 | CRYSTAL RESONATOR (4.332MHZ) | E3E4E5 | R302 | | | RD14BB2C101J | RD 100 J 1/6W | |
| X3 | | | L77-2002-05 | CRYSTAL RESONATOR (4.332MHZ) | E6 | R303 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| F | 2D | | N80-3010-48 | PAN HEAD TAPTITE SCREW | | R304 | | | RD14BB2C102J | RD 1.0K J 1/6W | |
| G | 2D | | N83-3005-48 | PAN HEAD TAPTITE SCREW | | R305 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| H | 2D | | N83-3020-48 | PAN HEAD TAPTITE SCREW | | R306 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| J | 3D | | N86-2606-48 | BINDING HEAD TAPTITE SCREW | | R307 | | | RK73GB2A222J | CHIP R 2.2K J 1/10W | |
| R1 | | | RD14BB2C102J | RD 1.0K J 1/6W | | R310-313 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R2-5 | | | RD14BB2C103J | RD 10K J 1/6W | | R314 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R11 | | | RD14DB2H100J | SMALL-RD 10 J 1/2W | | R315 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R12-14 | | | RK73PB2H100J | CHIP R 10 J 1/2W | | R316,317 | | | RK73GB2A222J | CHIP R 2.2K J 1/10W | |
| R15 | | | RD14DB2H100J | SMALL-RD 10 J 1/2W | | R318 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R16 | | | RK73FB2B681J | CHIP R 680 J 1/8W | | R319 | | | RK73GB2A222J | CHIP R 2.2K J 1/10W | |
| R17 | | | RK73GB2A272J | CHIP R 2.7K J 1/10W | | R320 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R101,102 | | | RD14BB2C472J | RD 4.7K J 1/6W | | R323 | | | RD14BB2C241J | RD 240 J 1/6W | |
| R103 | | | RD14BB2C103J | RD 10K J 1/6W | | R330 | | | RD14BB2C222J | RD 2.2K J 1/6W | |
| R104 | | | RK73GB2A473J | CHIP R 47K J 1/10W | | R331 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R105 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | R332 | | | RD14BB2C222J | RD 2.2K J 1/6W | |
| R106 | | | RD14DB2H332J | SMALL-RD 3.3K J 1/2W | | R333,334 | | | RD14BB2C102J | RD 1.0K J 1/6W | EE1E2 |
| R107 | | | RD14BB2C333J | RD 33K J 1/6W | | R334 | | | RD14BB2C102J | RD 1.0K J 1/6W | E3E4E5 |
| R108 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | R334 | | | RD14BB2C102J | RD 1.0K J 1/6W | E6E7E8 |
| R109 | | | RD14BB2C223J | RD 22K J 1/6W | | R335 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R110 | | | RK73FB2B683J | CHIP R 68K J 1/8W | | R336-339 | | | RD14BB2C222J | RD 2.2K J 1/6W | |
| R111 | | | RK73GB2A393J | CHIP R 39K J 1/10W | | R340 | | | RK73GB2A225J | CHIP R 2.2M J 1/10W | |
| R112 | | | RD14BB2C203J | RD 20K J 1/6W | | R341 | | | RD14BB2C222J | RD 2.2K J 1/6W | |
| R113 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | R342 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R114,115 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | R343 | | | RD14BB2C102J | RD 1.0K J 1/6W | |
| R116,117 | | | RD14BB2C103J | RD 10K J 1/6W | | R344,345 | | | RD14BB2C4R7J | RD 4.7 J 1/6W | |
| R201 | | | RK73GB2A473J | CHIP R 47K J 1/10W | EE1E2 | R346 | | | RD14BB2C2R2J | RD 2.2 J 1/6W | |
| R202 | | | RK73GB2A104J | CHIP R 100K J 1/10W | EE1E2 | R347 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R203,204 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | R402,403 | | | RD14BB2C471J | RD 470 J 1/6W | |
| R205-207 | | | RK73GB2A473J | CHIP R 47K J 1/10W | | R404 | | | RD14BB2C102J | RD 1.0K J 1/6W | EE1E2 |
| R208 | | | RD14BB2C473J | RD 47K J 1/6W | | R405 | | | RK73GB2A473J | CHIP R 47K J 1/10W | EE1E2 |
| R209,210 | | | RD14BB2C471J | RD 470 J 1/6W | | R406 | | | RK73GB2A223J | CHIP R 22K J 1/10W | E |
| R211,212 | | | RK73GB2A473J | CHIP R 47K J 1/10W | | R407 | | | RD14BB2C103J | RD 10K J 1/6W | E |
| R214 | | | RK73GB2A223J | CHIP R 22K J 1/10W | EE1E2 | R408 | | | RK73GB2A152J | CHIP R 1.5K J 1/10W | E |
| R214 | | | RK73GB2A223J | CHIP R 22K J 1/10W | E3E4E5 | R409 | | | RK73GB2A392J | CHIP R 3.9K J 1/10W | E |
| R214 | | | RK73GB2A223J | CHIP R 22K J 1/10W | E6 | R491,492 | | | RK73GB2A100J | CHIP R 10 J 1/10W | E3E4E5 |
| R218 | | | RK73GB2A223J | CHIP R 22K J 1/10W | | R491,492 | | | RK73GB2A100J | CHIP R 10 J 1/10W | E6E7E8 |
| R219,220 | | | RD14BB2C104J | RD 100K J 1/6W | EE1E2 | R493 | | | RD14BB2C100J | RD 10 J 1/6W | E3E4E5 |
| R221 | | | RK73GB2A222J | CHIP R 2.2K J 1/10W | EE1E2 | R493 | | | RD14BB2C100J | RD 10 J 1/6W | E6E7E8 |
| R221 | | | RK73GB2A222J | CHIP R 2.2K J 1/10W | E3E4E5 | R501 | | | RK73GB2A471J | CHIP R 470 J 1/10W | |
| R221 | | | RK73GB2A222J | CHIP R 2.2K J 1/10W | E6 | R502 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R223 | | | RK73GB2A222J | CHIP R 2.2K J 1/10W | | R503 | | | RK73GB2A471J | CHIP R 470 J 1/10W | |
| R225 | | | RK73GB2A473J | CHIP R 47K J 1/10W | E1E2 | R504 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R225,226 | | | RK73GB2A473J | CHIP R 47K J 1/10W | E7E8 | R506,507 | | | RK73GB2A222J | CHIP R 2.2K J 1/10W | EE1E2 |
| R226 | | | RK73GB2A473J | CHIP R 47K J 1/10W | EE3E4 | R506,507 | | | RK73GB2A222J | CHIP R 2.2K J 1/10W | E3E4E5 |
| R226 | | | RK73GB2A473J | CHIP R 47K J 1/10W | E5E6 | R506,507 | | | RK73GB2A222J | CHIP R 2.2K J 1/10W | E6 |
| R226,227 | | | RK73GB2A223J | CHIP R 22K J 1/10W | E1E2 | R508 | | | RD14BB2C222J | RD 2.2K J 1/6W | EE1E2 |
| R227 | | | RK73GB2A223J | CHIP R 22K J 1/10W | EE3E4 | R508 | | | RD14BB2C222J | RD 2.2K J 1/6W | E3E4E5 |
| | | | | | | R508 | | | RD14BB2C222J | RD 2.2K J 1/6W | E6 |

E : KDC-W4037Y E1 : KDC-W3537AY E2 : KDC-W3537GY E3 : KDC-W3037AY E4 : KDC-W3037GY E5 : KDC-W311AY E6 : KDC-W311GY E7 : KDC-W237AY E8 : KDC-W237GY Δ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-467x-xx)

| Ref. No. | A d | N e w | Parts No. | Description | Desti- nation |
|----------|--------|-------------|--------------|---------------------|------------------|
| R509 | | | RK73GB2A512J | CHIP R 5.1K J 1/10W | EE1E2 |
| R509 | | | RK73GB2A512J | CHIP R 5.1K J 1/10W | E3E4E5 |
| R509 | | | RK73GB2A512J | CHIP R 5.1K J 1/10W | E6 |
| R598 | | | RK73GB2A223J | CHIP R 22K J 1/10W | |
| R599 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R601,602 | | | RD14BB2C100J | RD 10 J 1/6W | EE1E2 |
| R603 | | | RD14BB2C4R7J | RD 4.7 J 1/6W | EE1E2 |
| R604 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | EE1E2 |
| R605 | | | RD14BB2C101J | RD 100 J 1/6W | EE1E2 |
| R606,607 | | | RD14BB2C102J | RD 1.0K J 1/6W | EE1E2 |
| R608,609 | | | RD14BB2C101J | RD 100 J 1/6W | EE1E2 |
| R610 | | | RD14BB2C472J | RD 4.7K J 1/6W | EE1E2 |
| R611 | | | RD14BB2C101J | RD 100 J 1/6W | EE1E2 |
| R612 | | | RD14BB2C472J | RD 4.7K J 1/6W | EE1E2 |
| R701,702 | | | RK73GB2A331J | CHIP R 330 J 1/10W | E |
| R703,704 | | | RD14BB2C223J | RD 22K J 1/6W | E |
| R705,706 | | | RD14BB2C181J | RD 180 J 1/6W | E |
| R793 | | | RK73EB2E000J | CHIP R 0.0 J 1/4W | E |
| R802 | | | RK73GB2A154J | CHIP R 150K J 1/10W | |
| R804 | | | RK73GB2A331J | CHIP R 330 J 1/10W | |
| R805 | | | RK73GB2A154J | CHIP R 150K J 1/10W | |
| R806 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R807 | | | RK73GB2A432J | CHIP R 4.3K J 1/10W | |
| R808 | | | RK73GB2A100J | CHIP R 10 J 1/10W | |
| R892 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R901,902 | | | RK73GB2A334J | CHIP R 330K J 1/10W | |
| R903 | | | RK73GB2A153J | CHIP R 15K J 1/10W | |
| R904 | | | RK73GB2A223J | CHIP R 22K J 1/10W | |
| R905,906 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R907-914 | | | RD14BB2C104J | RD 100K J 1/6W | |
| R915 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R951 | | | RK73EB2E000J | CHIP R 0.0 J 1/4W | |
| R952 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R954 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R955 | | | RK73EB2E000J | CHIP R 0.0 J 1/4W | |
| R958 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | E |
| R962,963 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R964,965 | | | RK73EB2E000J | CHIP R 0.0 J 1/4W | |
| R967 | | | RK73GB2A471J | CHIP R 470 J 1/10W | |
| R968 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | E1E2E3 |
| R968 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | E4E5E6 |
| R968 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | E7E8 |
| R968-971 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | E |
| R971 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | E1E2E3 |
| R971 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | E4E5E6 |
| R971 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | E7E8 |
| R972 | | | RK73EB2E000J | CHIP R 0.0 J 1/4W | EE1E2 |
| R973 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| D1 | | | S2V60*A | DIODE | |
| D2 | | | MTZJ8.2(B) | ZENER DIODE | |
| D3 | | | D1F60-5063 | DIODE | |
| D4 | | | 1SS133 | DIODE | |
| D7 | | | MTZJ12(B) | ZENER DIODE | |
| D101,102 | | | D1F60-5063 | DIODE | |

| Ref. No. | A d | N e w | Parts No. | Description | Desti- nation |
|---|--------|-------------|---------------|--------------------|------------------|
| D103 | | | AM01ZNF | DIODE | |
| D104 | | | D1F60-5063 | DIODE | |
| D105 | | | MTZJ4.7(B) | ZENER DIODE | |
| D106-108 | | | MTZJ6.8(B) | ZENER DIODE | |
| D109 | | | 1SS133 | DIODE | |
| D110 | | | MC2848 | DIODE | |
| D301 | | | DA204U | DIODE | |
| D304,305 | | | UDZS6.8B | ZENER DIODE | |
| D306 | | | MTZJ6.8(B) | ZENER DIODE | |
| D401 | | | 1SS133 | DIODE | |
| D404 | | | 1SS133 | DIODE | E |
| D601-606 | | | MTZJ6.8(B) | ZENER DIODE | EE1E2 |
| D801 | | | MC2848 | DIODE | |
| D803 | | | 1SS133 | DIODE | |
| D901 | | | MTZJ4.7(B) | ZENER DIODE | |
| IC1 | | * | 30622MEPB25FP | MICROCONTROLLER IC | E3E4E5 |
| IC1 | | * | 30622MEPB25FP | MICROCONTROLLER IC | E6E7E8 |
| IC1 | | * | 30622MGPB23FP | MICROCONTROLLER IC | EE1E2 |
| IC2 | | * | E-TDA7419 | ANALOGUE IC | E |
| IC3 | | * | E-TDA7418 | ANALOGUE IC | E1E2E3 |
| IC3 | | * | E-TDA7418 | ANALOGUE IC | E4E5E6 |
| IC3 | | * | E-TDA7418 | ANALOGUE IC | E7E8 |
| IC4 | | * | BD4913-V4 | ANALOGUE IC | |
| IC6 | | | KKZ09Z | ANALOGUE IC | EE1E2 |
| IC6 | | | KKZ09Z | ANALOGUE IC | E3E4E5 |
| IC6 | | | KKZ09Z | ANALOGUE IC | E6 |
| IC6 | | | TB2904HQ | ANALOGUE IC | E7E8 |
| IC7 | | * | LC72725KV | ANALOGUE IC | EE1E2 |
| IC7 | | * | LC72725KV | ANALOGUE IC | E3E4E5 |
| IC7 | | * | LC72725KV | ANALOGUE IC | E6 |
| IC8 | | | S-80836CNNB-J | MOS-IC | |
| IC9 | | | HEF4053BT | MOS-IC | EE1E2 |
| Q1 | | | UMC2N | TRANSISTOR | |
| Q2 | | | 2SB1565 | TRANSISTOR | |
| Q3 | | | 2SC4081 | TRANSISTOR | |
| Q7 | | | UMC2N | TRANSISTOR | |
| Q8 | | | 2SB1565 | TRANSISTOR | |
| Q9 | | | 2SC4081 | TRANSISTOR | |
| Q101-103 | | | 2SC4081 | TRANSISTOR | |
| Q104,105 | | | RT1N441M | TRANSISTOR | |
| Q301 | | | RT1P144M | TRANSISTOR | |
| Q302 | | | RT1N144M | TRANSISTOR | |
| Q401 | | | RT1N441M | TRANSISTOR | EE1E2 |
| Q402 | | | 2SC4081 | TRANSISTOR | E |
| Q701,702 | | | RT1N430M | TRANSISTOR | E |
| Q705 | | | RT1P241M | TRANSISTOR | E |
| Q901 | | | 2SC4081 | TRANSISTOR | |
| Q902,903 | | | 2SA1576A | TRANSISTOR | |
| TH1 | | | PRF18BE471QS2 | POSITIVE RESISTOR | |
| A1 | 2D | * | X86-4032-70 | FRONT-END UNIT | |
| MECHANISM ASSY (X92-5880-00) DXM-6E00W | | | | | |
| 1 | 2B | | A10-5328-11 | CHASSIS | |
| 2 | 1B | | A10-5329-01 | CHASSIS | |

PARTS LIST

MECHANISM ASSY (X92-5880-00) DXM-6E00W

| Ref. No. | Add | New | Parts No. | Description | Destination | Ref. No. | Add | New | Parts No. | Description | Destination |
|----------|-----|-----|-------------|-------------------------------|-------------|----------|-----|-----|-------------|--------------------------|-------------|
| 5 | 2B | | D10-4910-13 | ARM ASSY | | DPU1 | 2B | | X93-2130-01 | OPTICAL PICKUP ASSY (LF) | |
| 8 | 2A | | D10-4911-03 | LEVER ASSY | | | | | | | |
| 10 | 2A | | D10-4906-33 | ARM | | | | | | | |
| 11 | 2A | | D10-4907-33 | ARM | | | | | | | |
| 12 | 3A | | D10-4908-03 | ARM | | | | | | | |
| 13 | 3A | | D10-4909-03 | ARM | | | | | | | |
| 14 | 3B | | D10-4915-03 | ARM | | | | | | | |
| 15 | 2A | | D10-4916-23 | SLIDER | | | | | | | |
| 16 | 3B | | D10-4914-12 | SLIDER | | | | | | | |
| 17 | 2B | | D10-4588-13 | SLIDER | | | | | | | |
| 18 | 2B | | D10-4917-04 | ARM | | | | | | | |
| 19 | 2B | | D10-4596-24 | ARM | | | | | | | |
| 22 | 2A | | D13-2151-04 | GEAR | | | | | | | |
| 23 | 2B | | D13-2152-04 | GEAR | | | | | | | |
| 24 | 3B | | D13-2153-04 | GEAR | | | | | | | |
| 25 | 3B | | D13-2154-04 | GEAR | | | | | | | |
| 26 | 3B | | D13-2155-04 | WORM | | | | | | | |
| 27 | 2B | | D13-2156-14 | GEAR | | | | | | | |
| 28 | 3B | | D13-2157-04 | GEAR | | | | | | | |
| 29 | 2B | | D13-2158-04 | GEAR | | | | | | | |
| 30 | 2B | | D13-2168-04 | GEAR | | | | | | | |
| 31 | 3B | | D13-2171-04 | GEAR | | | | | | | |
| 32 | 1B | | D13-2400-13 | RACK (GEAR) | | | | | | | |
| 33 | 2A | | D14-0759-04 | ROLLER | | | | | | | |
| 35 | 2B | | D21-2382-04 | SHAFT | | | | | | | |
| 36 | 1A | | D23-0954-04 | RETAINER | | | | | | | |
| 37 | 1B | | D39-0246-05 | DAMPER | | | | | | | |
| 38 | 2B | | G01-3072-04 | EXTENSION SPRING | | | | | | | |
| 39 | 2A | | G01-3073-04 | TORSION COIL SPRING | | | | | | | |
| 40 | 2A | | G01-3074-04 | EXTENSION SPRING | | | | | | | |
| 41 | 1B | | G01-4615-04 | EXTENSION SPRING | | | | | | | |
| 42 | 2A | | G01-3076-04 | EXTENSION SPRING | | | | | | | |
| 43 | 1B | | G01-3077-14 | EXTENSION SPRING | | | | | | | |
| 44 | 2B | | G02-1399-04 | FLAT SPRING | | | | | | | |
| 45 | 2B | | G02-1547-04 | FLAT SPRING | | | | | | | |
| 51 | 1A | | J22-0473-21 | MOUNTING HARDWARE | | | | | | | |
| 52 | 3B | | J22-0474-12 | MOUNTING HARDWARE | | | | | | | |
| 53 | 1B | | J22-0519-03 | MOUNTING HARDWARE | | | | | | | |
| 55 | 1A | | J90-1138-31 | GUIDE | | | | | | | |
| 56 | 1B | | J90-1023-03 | GUIDE | | | | | | | |
| DFPC1 | 3A | | J86-0027-05 | FPC (LEAD FREE) | | | | | | | |
| A | 2B | | N09-4460-15 | TAPTITE SCREW (PT2X8) | | | | | | | |
| B | 1B | | N09-6317-05 | TAPTITE SCREW (1.6X6.0) | | | | | | | |
| C | 2B | | N09-6004-15 | MACHINE SCREW (M1.7X2.5) | | | | | | | |
| E | 2B | | N09-6007-15 | MACHINE SCREW (M2X2) | | | | | | | |
| F | 1A | | N09-6051-15 | TAPTITE SCREW (PT2X5) | | | | | | | |
| G | 2A | | N19-2163-04 | FLAT WASHER (1.6X6X0.25) | | | | | | | |
| H | 1B | | N39-2020-48 | PAN HEAD MACHINE SCREW (M2X2) | | | | | | | |
| J | 1B | | N09-6108-15 | TAPTITE SCREW (M2X3.5) | | | | | | | |
| K | 3B | | N09-6155-15 | SEMS (TAPTITE SCREW) (PT2X6) | | | | | | | |
| DM1 | 3B | | T42-1066-14 | DC MOTOR (SPINDLE) | | | | | | | |
| DM2 | 2B | | T42-1067-14 | DC MOTOR (LOADING/SLED) | | | | | | | |

E : KDC-W4037Y E1 : KDC-W3537AY E2 : KDC-W3537GY E3 : KDC-W3037AY E4 : KDC-W3037GY E5 : KDC-W311AY E6 : KDC-W311GY E7 : KDC-W237AY E8 : KDC-W237GY △ Indicates safety critical components.

SPECIFICATIONS

FM tuner section

| | |
|---|-------------------------|
| Frequency range (50kHz space) | 87.5MHz~108.0MHz |
| Usable sensitivity (S/N=26dB) | 0.7 μ V/75 Ω |
| Quieting Sensitivity (S/N=46dB) | 1.6 μ V/75 Ω |
| Frequency response (\pm 3dB) | 30Hz~15kHz |
| Signal to Noise ratio (MONO) | 65dB |
| Selectivity (DIN) (\pm 400kHz) | \geq 80dB |
| Stereo separation (1kHz) | 35dB |

MW tuner section

| | |
|-------------------------------------|----------------|
| Frequency range (9kHz space) | 531kHz~1611kHz |
| Usable sensitivity (S/N=20dB) | 25 μ V |

LW tuner section

| | |
|-------------------------------------|---------------|
| Frequency range | 153kHz~281kHz |
| Usable sensitivity (S/N=20dB) | 45 μ V |

CD player section

| | |
|--|---------------------------------------|
| Laser diode | GaAlAs |
| Digital filter (D/A) | 8 Times Over Sampling |
| D/A Converter | 1Bit |
| Spindle speed | 500~200rpm (CLV) |
| Wow & Flutter | Below Measurable Limit |
| Frequency response (\pm 1dB) | 10Hz~20kHz |
| Total harmonic distortion (1kHz) | 0.01% |
| Signal to Noise ratio (1kHz) | 105dB |
| Dynamic range | 93dB |
| MP3 decode | Compliant with MPEG-1/2 Audio Layer-3 |
| WMA decode | Compliant with Windows Media Audio |

Audio section

| | |
|--|---------------------|
| Maximum output power | |
| KDC-W237AY/W237GY | 45W x 4 |
| Others | 50W x 4 |
| Output Power (DIN 45324, +B=14.4V) | |
| KDC-W237AY/W237GY | 28W x 4 |
| Others | 30W x 4 |
| Speaker Impedance | 4~8 Ω |
| Tone action | |
| Bass | 100Hz \pm 8dB |
| Middle | 1kHz \pm 8dB |
| Treble | 10kHz \pm 8dB |
| Preout level / Load (during disc play) | |
| KDC-W4037Y | 2000mV/10k Ω |
| Preout impedance (during disc play) | |
| KDC-W4037Y | \leq 600 Ω |

Auxiliary input

| | |
|---------------------------------------|---------------|
| Frequency response (\pm 1dB) | 20Hz~20kHz |
| Input Maximum Voltage | 1200mV |
| Input Impedance | 100k Ω |

General

| | |
|--|-------------------|
| Operating voltage (11~16V allowable) | 14.4V |
| Current consumption | 10A |
| Installation Size (W x H x D) | 182 x 53 x 155 mm |
| Weight | 1.40kg |

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

DANGER:

Please do not look at the laser beam directly during repair or operation check.

