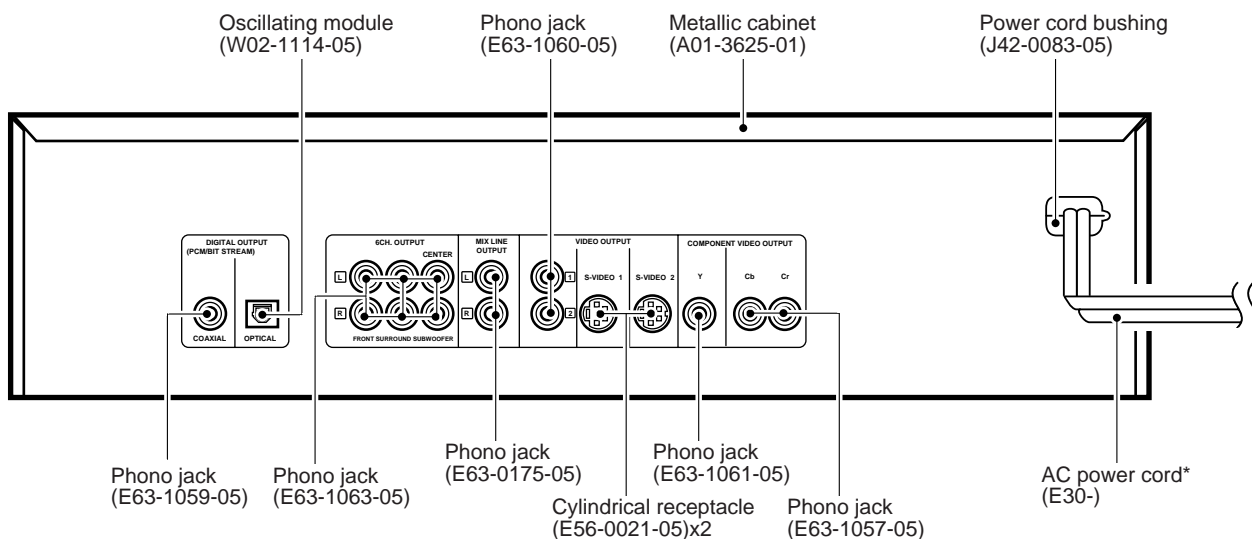
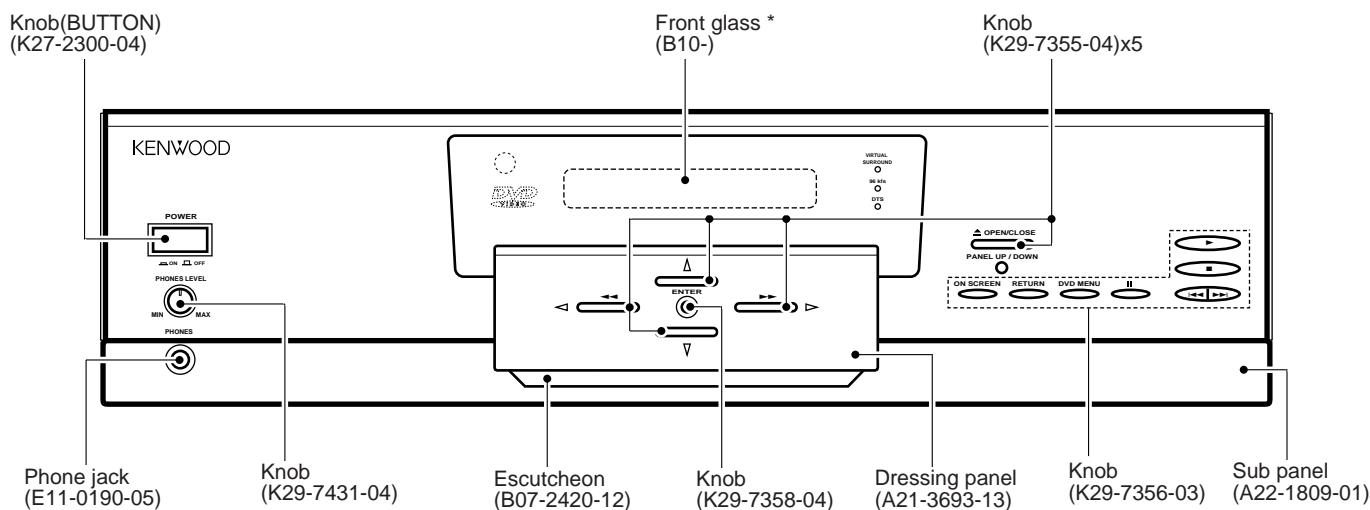


DV-203/2070 DVF-5010/9010/K7010 SERVICE MANUAL



Illust. is DVF-9010.

* Refer to parts list on page 52.

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

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

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

Caution : No connection of ground line if disassemble the unit. Please connect the ground line on rear panel, PCBs, Chassis and some others.

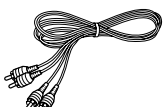
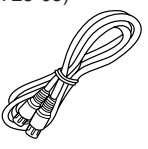
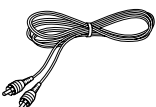

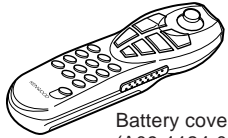
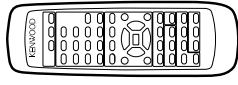
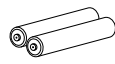
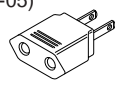
NOTE : Please replace the mechanism PCB (W02-266x-05) with new one, if it is malfunction.

CONTENTS / ACCESSORIES

Contents

| | | | |
|------------------------------|----|--------------------------|----|
| CONTENTS / ACCESSORIES | 2 | PARTS DESCRIPTIONS | 27 |
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Accessories

| | | | |
|---|---|--|---|
| Audio cord (Red, White) (3) (E30-0505-05)  | S-VIDEO cord (1) (E30-2725-05)  | Video cord (Yellow) (1) (E30-1427-05)  | Optical fiber cable (1) (B19-1529-05)  |
| Remote control unit (1) (A70-1227-05) : DV-2070/DVF-9010  Battery cover (A09-1124-08) | Remote control unit (1) (A70-1229-05) : DVF-K7010 (A70-1230-05) : DV-203/DVF-5010  Battery cover (A09-1105-05) | Batteries (R6/AA) (2)  | AC plug adaptor (1) (E03-0115-05)  Use to adapt the plug on the power cord to the shape of the wall outlet. (Accessory only for regions where use is necessary.) |

Cautions

Note related to transportation and movement

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

1. Set the **POWER** key to **ON** without loading a disc.
2. Wait a few seconds and verify that the display shown appears.
3. Set the **POWER** key to **OFF**.

NO DISC

Beware of condensation

When the difference between the internal temperature of the unit and external atmosphere is large, dew (mist) may be produced on the internal parts of the unit. In such a case, turn the unit **ON** and leave it for a few hours until the condensation has dried up.

Be especially careful in the following conditions:

When the unit is brought into a place where there is a large difference in temperature between the previous location, when the humidity of the listening room is high, etc.

Operation to reset

The microprocessor may fall into malfunction (impossibility to operate erroneous display, etc.) when the power cord is unplugged while power is **ON** or due to an external factor. In this case, execute the following procedure to reset the microprocessor and return it to normal condition.

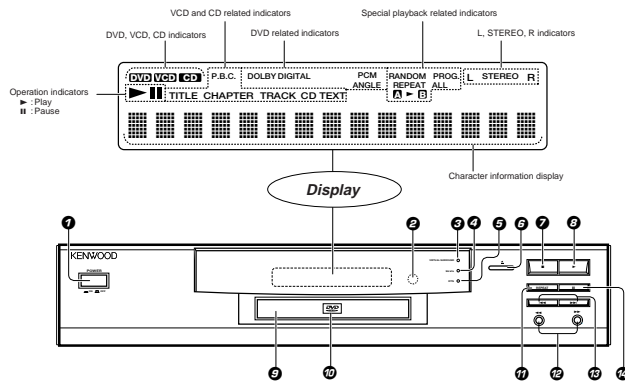
While holding the **■** key, press and hold the **■** key until **"INITIAL OK!"** appears.

- Please note that resetting the microprocessor clears the contents stored in, it returns the microprocessor to the condition when it left the factory.

CONTROLS

Control and Indication

Display / Main unit (DVF-5010)

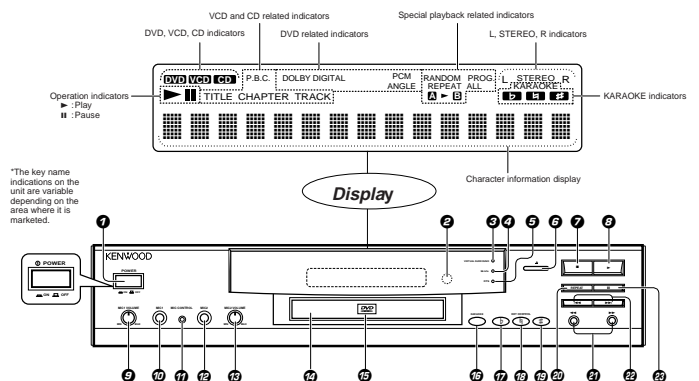


- 1 POWER key
- 2 Remote control sensor
- 3 VIRTUAL SURROUND indicator
Lights during playback of an AC-3 5.1-channel disc by setting virtual surround.
- 4 96 kfs indicator
Lights during playback of a DVD LPCM disc with 96 kfs sampling frequency.
- 5 DTS indicator
Lights during playback of a DVD DTS disc.
- 6 Open/close (Δ) key
- 7 Stop (■) key
- 8 Play (▶) key
- 9 Tray panel
- 10 DVD badge
- 11 REPEAT key
- 12 Manual search (◀▶) keys
- 13 Skip down (◀◀) / up (▶▶) keys
- 14 Pause (⏸) key

Standby mode of the unit

While the POWER key is set to ON, this unit can be put to the standby mode using the graphical remote control unit provided with a KENWOOD AUDIO VIDEO SURROUND RECEIVER. When the STANDBY indicator of this unit is lit, a small amount of current flows in it to back up the internal memory. This status is referred to as the standby mode.

Display / Main unit (DVF-K7010)

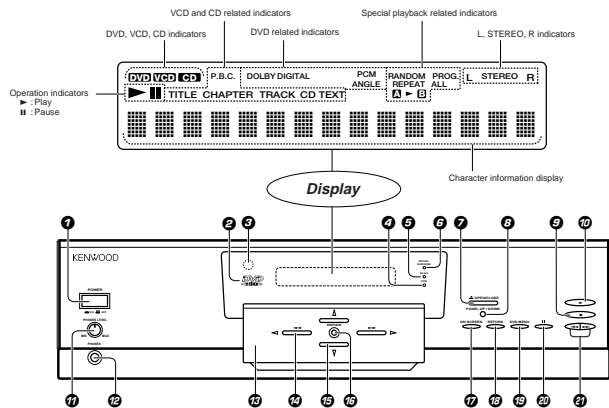


- 1 POWER (⊙ POWER) key
- 2 Remote control sensor
- 3 VIRTUAL SURROUND indicator
Lights during playback of an AC-3 5.1-channel disc by setting virtual surround.
- 4 96 kfs indicator
Lights during playback of a DVD LPCM disc with 96 kfs sampling frequency.
- 5 DTS indicator
Lights during playback of a DVD DTS disc.
- 6 Open/close (Δ) key
- 7 Stop (■) key
- 8 Play (▶) key
- 9 MIC 1 VOLUME control
- 10 MIC 1 jack
- 11 MIC 2 jack
- 12 MIC 2 VOLUME control
- 13 Tray panel
- 14 DVD badge
- 15 KARAOKE key
- 16 Flat (b) key
- 17 Natural (h) key
- 18 Sharp (♯) key
- 19 REPEAT key
- 20 Manual search (◀▶) keys
- 21 Skip down (◀◀) / up (▶▶) keys
- 22 Pause (⏸) key
- 23 KARAOKE indicators

Standby mode of the unit

While the POWER key is set to ON, this unit can be put to the standby mode using the graphical remote control unit provided with a KENWOOD AUDIO VIDEO SURROUND RECEIVER. When the STANDBY indicator of this unit is lit, a small amount of current flows in it to back up the internal memory. This status is referred to as the standby mode.

Display / Main unit (DVF-9010)



- 1 POWER key
- 2 DVD indicator
Lights when a DVD disc is loaded.
- 3 Remote control sensor
- 4 DTS indicator
Lights during playback of a DTS-encoded DVD disc.
- 5 96 kfs indicator
Lights during playback of a DVD LPCM disc with 96 kfs sampling frequency.
- 6 VIRTUAL SURROUND indicator
Lights during playback of an AC-3 5.1-channel disc by setting virtual surround.
- 7 OPEN/CLOSE (Δ) key
- 8 PANEL UP/DOWN key
- 9 Stop (■) key
- 10 Play (▶) key
- 11 PHONES LEVEL control
- 12 PHONES jack
- 13 Tray panel
- 14 Manual search (◀▶) keys
- 15 Cursor (⏪, ⏩, ⏴, ⏵) keys
- 16 ENTER key
- 17 ON SCREEN key
- 18 RETURN key
- 19 DVD MENU key
- 20 Pause (⏸) key
- 21 Skip down (◀◀) / up (▶▶) keys

Standby mode of the unit

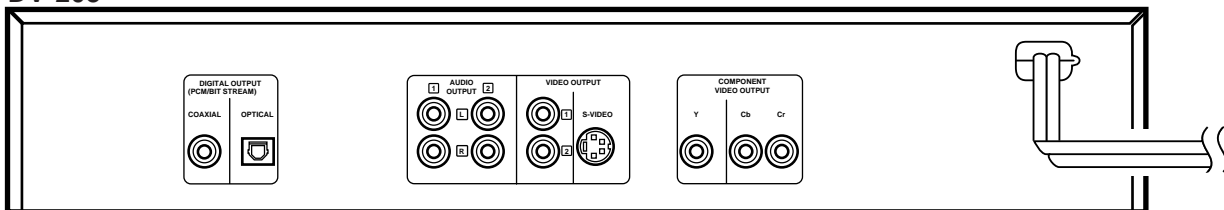
While the POWER key is set to ON, this unit can be put to the standby mode using the graphical remote control unit provided with a KENWOOD AUDIO VIDEO SURROUND RECEIVER. When the STANDBY indicator of this unit is lit, a small amount of current flows in it to back up the internal memory. This status is referred to as the standby mode.

DV-203/2070/DVF-5010/9010/K7010

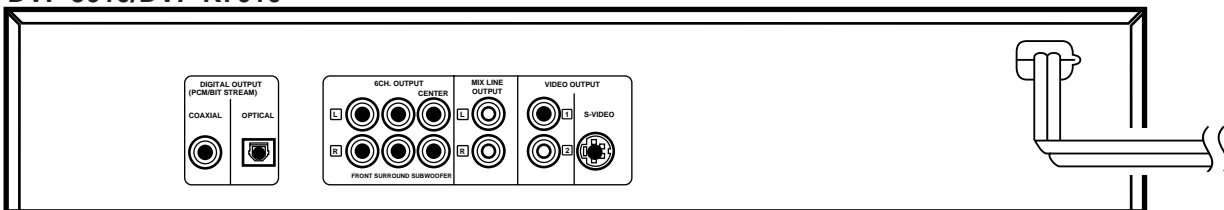
CONTROLS

REAR PANEL

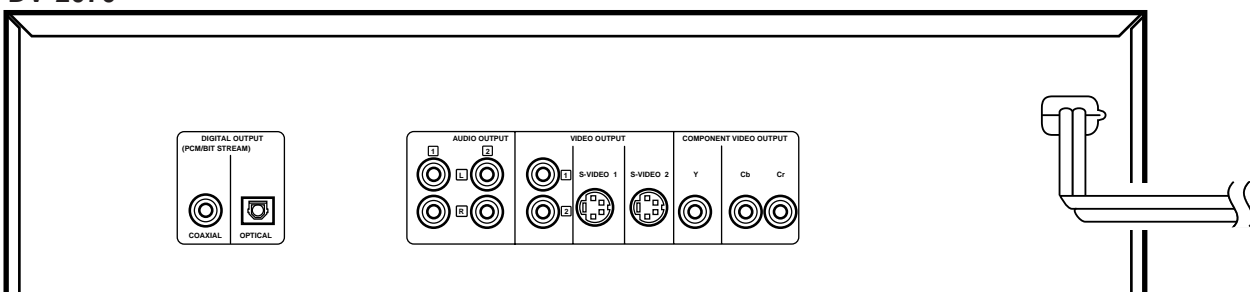
DV-203



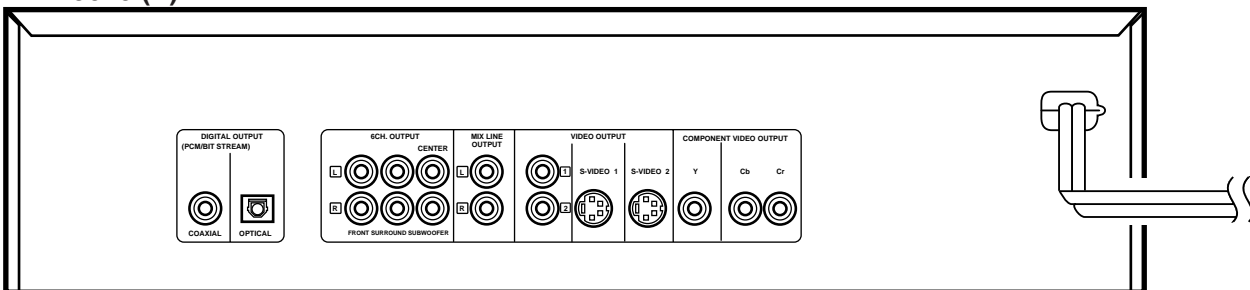
DVF-5010/DVF-K7010



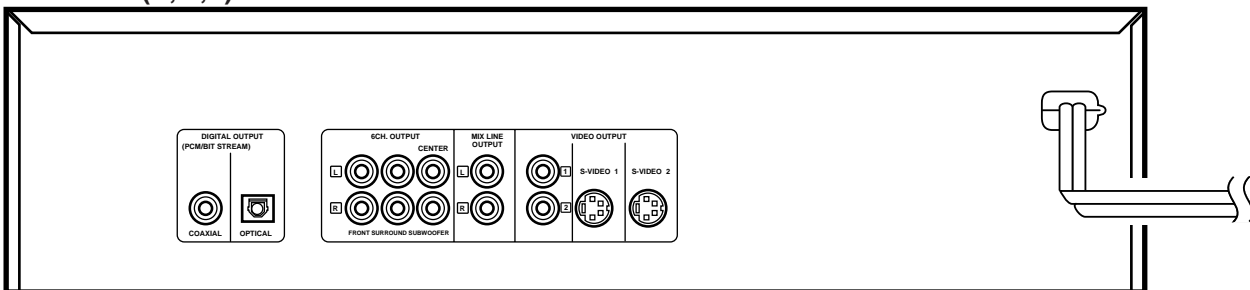
DV-2070



DVF-9010 (Y)



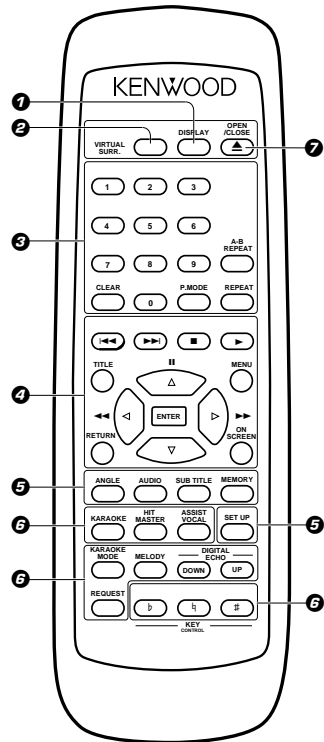
DVF-9010 (E,M,T)



Remote control unit

The remote control unit incorporates the basic operation keys as well as a variety of applied operation keys so that it can be used in a wide range of purposes.

Use care to store the remote control unit in a safe place so as not to lose it.



Model: RC-D0505
Infrared ray system

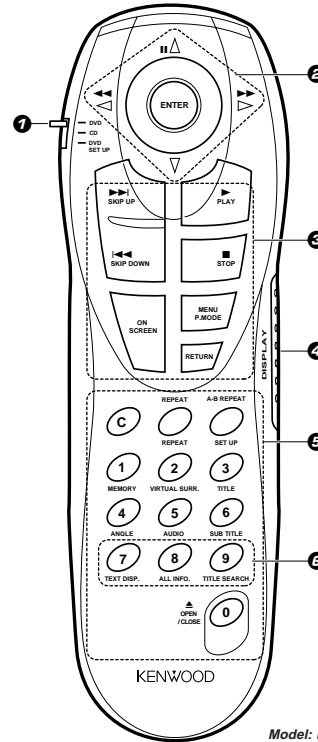
- 1 DISPLAY key
- 2 VIRTUAL SURR. key
- 3 CD, VCD and DVD related control keys
Numeric (0 to 9) keys
CLEAR key
P.MODE key
A-B REPEAT key
REPEAT key
- 4 CD, VCD and DVD related control keys
Skip down (◀◀) and Skip up (▶▶) keys
Stop (■) key
Play (▶) key
Cursor (△, ▽, ◀, ▶) keys
ENTER key
Pause (⏸) key
Forward and reverse search (◀◀, ▶▶) keys
TITLE key
MENU key
RETURN key
ON SCREEN key
- 5 TV monitor related control keys
ANGLE key
AUDIO key
SUB TITLE key
MEMORY key
- 6 Karaoke-related control keys
KARAOKE key
HIT MASTER key
ASSIST VOCAL key
KARAOKE MODE key
MELODY key
DIGITAL ECHO (DOWN/UP) keys
REQUEST key
Flat (♭) key
Natural (♮) key
Sharp (♯) key
- 7 OPEN/CLOSE (▲) key

Remote control unit

The remote control unit incorporates the basic operation keys as well as a variety of applied operation keys so that it can be used in a wide range of purposes.

Use care to store the remote control unit in a safe place so as not to lose it.

* The proper positioning of the mode switch (DVD, CD, DVD SET UP) is variable depending on the control and play modes.
Set the mode switch according to the desired control and play modes.
Information inside () below indicates the mode switch setting position to implement the function in question.



Model: RC-D0705
Infrared ray system

- 1 Remote control mode switch
DVD
CD
DVD SET UP
- 2 Joystick/ENTER/Pause/forward search/reverse search keys
(DVD, CD, DVD SET UP)
Joystick (△, ▽, ◀, ▶) keys
ENTER key
Pause (⏸) key
Forward and reverse search (◀◀, ▶▶) keys
- 3 CD, VCD and DVD related control keys
SKIP DOWN (◀◀) and SKIP UP (▶▶) keys
(DVD, CD, DVD SET UP)
ON SCREEN key (DVD, CD, DVD SET UP)
PLAY (▶) key (DVD, CD, DVD SET UP)
STOP (■) key (DVD, CD, DVD SET UP)
MENU key (DVD, DVD SET UP)/P.MODE key (CD)
RETURN key (DVD, CD, DVD SET UP)
- 4 DISPLAY key (DVD, CD, DVD SET UP)
- 5 TV monitor related control keys
Numeric (0 to 9) keys (CD)
C (Clear) key (DVD, CD, DVD SET UP)
REPEAT key (DVD, CD, DVD SET UP)
A-B REPEAT key (CD)
SET UP key (DVD SET UP)
MEMORY key (DVD)
VIRTUAL SURR. key (DVD)
TITLE key (DVD)
ANGLE key (DVD)
AUDIO key (DVD)
SUB TITLE key (DVD)
OPEN/CLOSE (▲) key (DVD)
- 6 CD-TEXT related control keys
TEXT DISP. key (DVD)
ALL INFO. key (DVD)
TITLE SEARCH key (DVD)

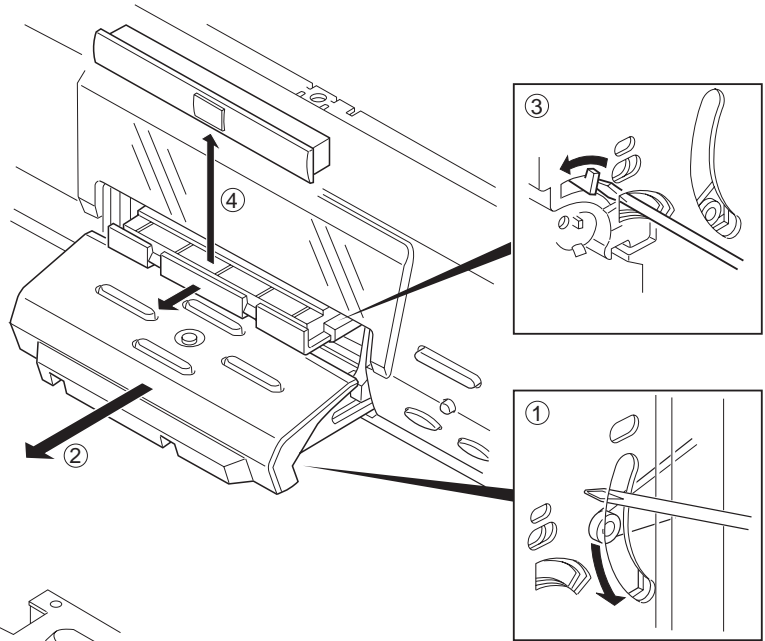
CONTROLS

DV-203/2070/DVF-5010/9010/K7010

DISASSEMBLY FOR REPAIR (DV-2070, DVF-9010)

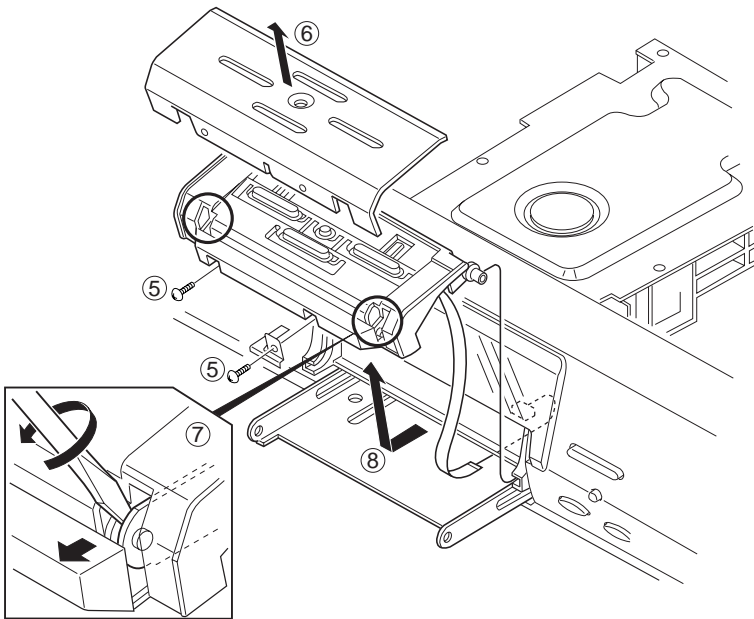
1. How to open the door panel and the tray if not comes out.

- (1) See the bottom of a set, then move the arm of the door mechanism by a screw driver (①) and pull out the door panel (②).
- (2) Move the rotary cam of the DVD mechanism by a screw driver (③), then pull out the tray and remove the tray panel (④).



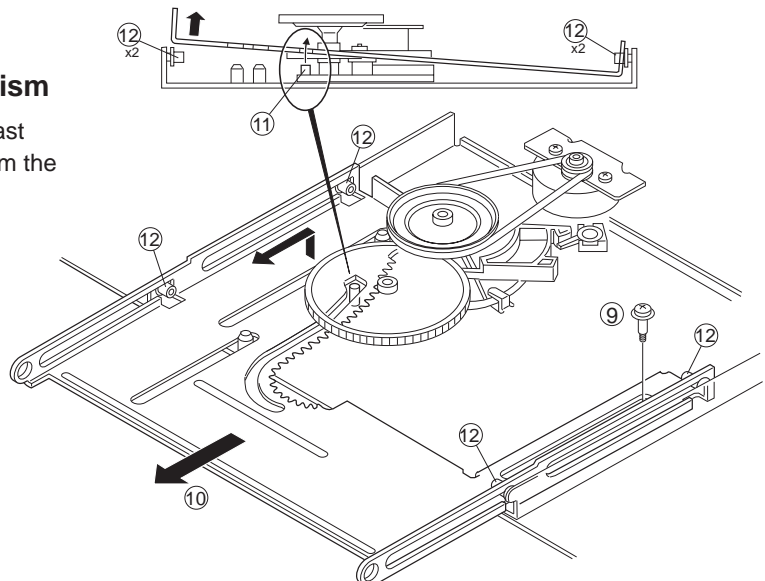
2. How to remove the door panel.

- (1) Remove 2 screws (⑤), then remove the door panel (⑥).
- (2) Remove 2 bosses (⑦), then remove the door escutcheon (⑧).



3. How to remove the moving door mechanism

1. Remove the 1 screw (⑨), Then pull the slider (⑩) till last
2. While raise the slider of left side, remove the slider from the bosses (⑪,⑫)

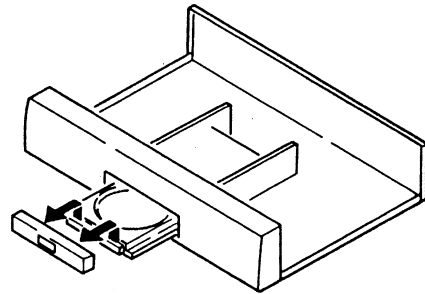
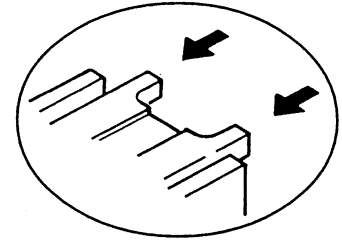
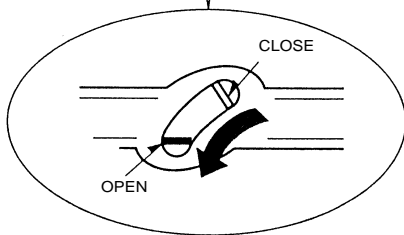
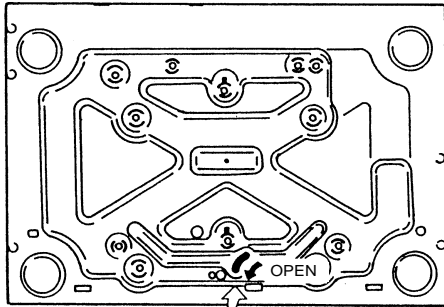
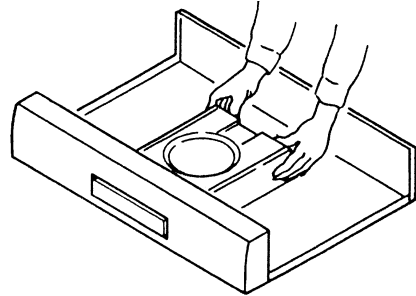


DISASSEMBLY FOR REPAIR

How to Disassemble mechanism.

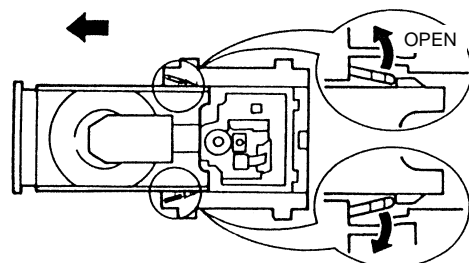
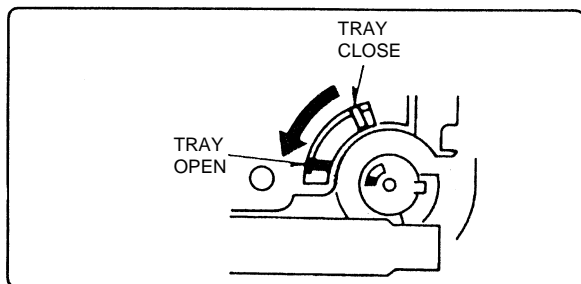
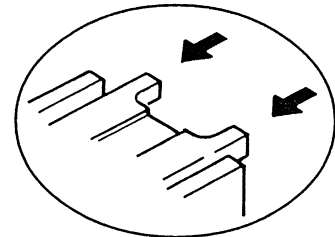
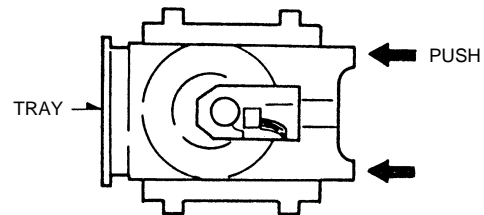
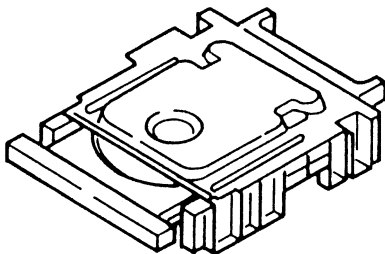
1. The disc is not coming out by pressing the open button.

1. Remove the case and DVD disc in the unit.
2. Insert the small screw driver into the hole on the bottom chassis.
3. Travel the rotary cam to the tray open position.
4. Travel the tray to open position by hand.
5. Remove the dress panel.



2. The Loading Tray

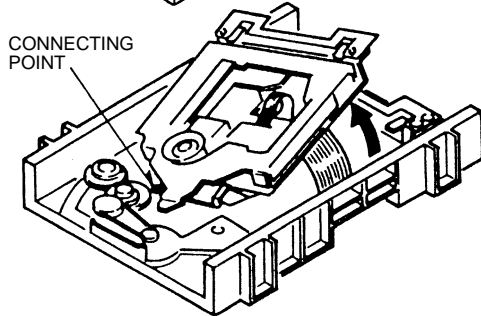
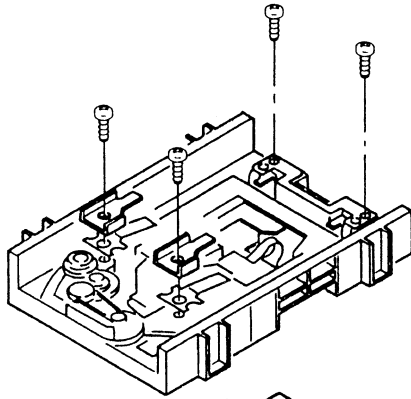
1. Travel the rotary cam to the tray open position.
2. Travel the tray to open position by hand.
3. Open the hooks of the tray holder and pull out it.



DISASSEMBLY FOR REPAIR

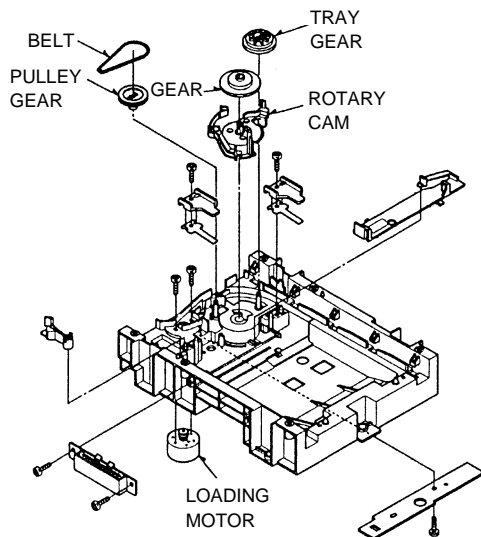
3. Traverse Unit

1. Remove the screws fixing the plate spring, the chassis stopper and the spring.
2. Lift the back of the traverse unit and remove it.



4. Loading Mechanism Parts

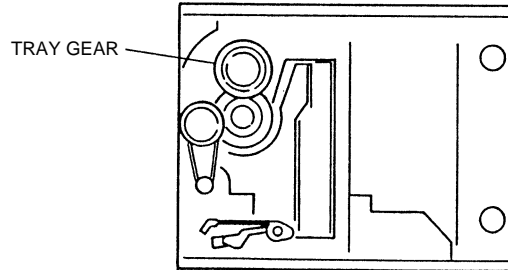
1. The loading parts are available without disassembly. Refer to the followings.



How to Assemble

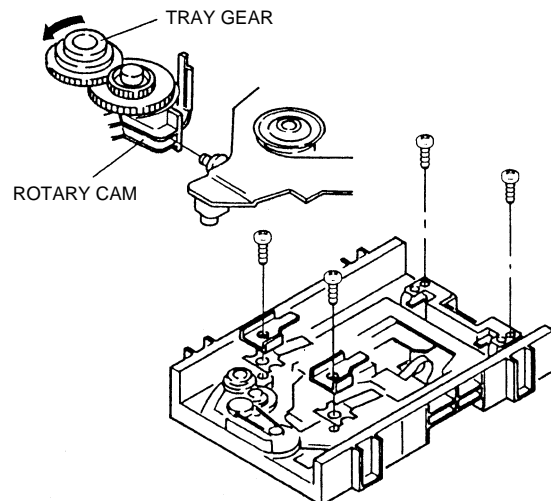
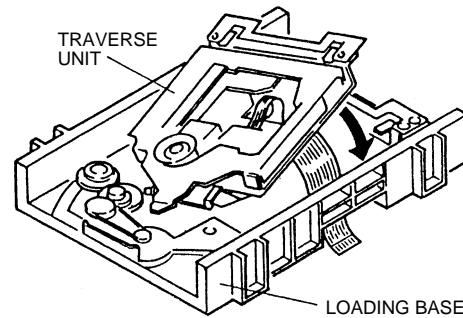
1. Loading Mechanism

This mechanism has no order for assembling the loading parts.



2. Traverse Unit

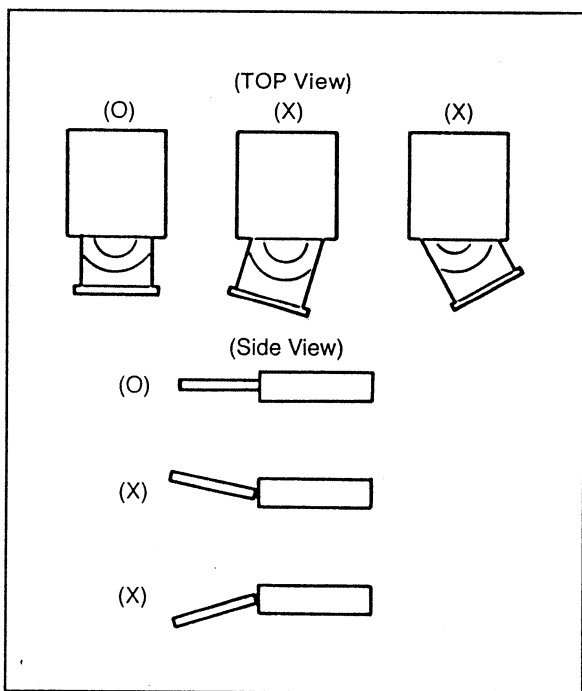
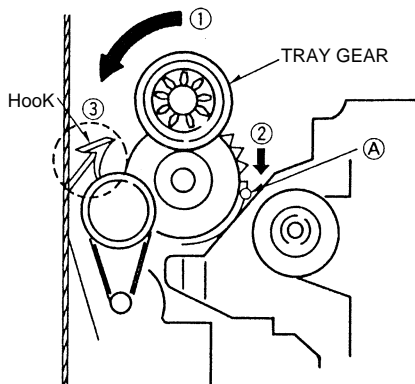
1. Pass the flexible cable from the inside of the loading base to the outside of that.
2. Insert the top of the traverse unit to the groove of the rotary cam and fix it with screws.



DISASSEMBLY FOR REPAIR

3. Loading Tray

1. Turn the tray gear to move the traverse unit at the bottom position counterclockwise.
2. Push the (A) of the rotary cam to the arrow direction.
3. Check the hook to be locked.
4. Load the tray to the loading base straightly.



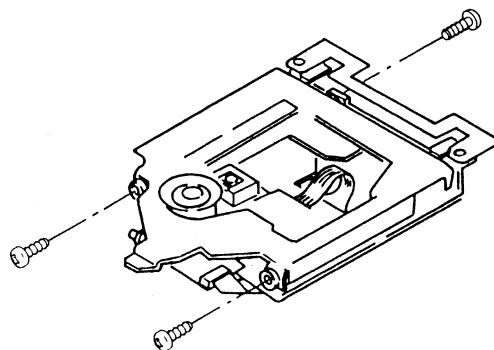
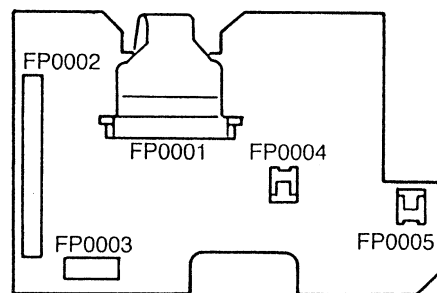
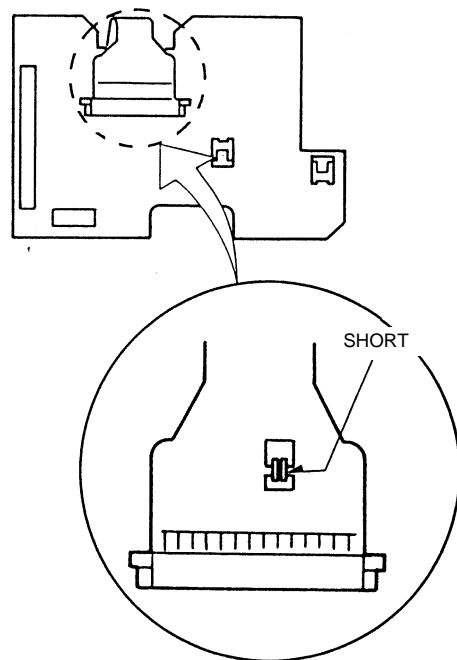
4. Clamper

1. Mount the clamper plate before assembling the loading base to the unit.

How to Replace

1. Preparation

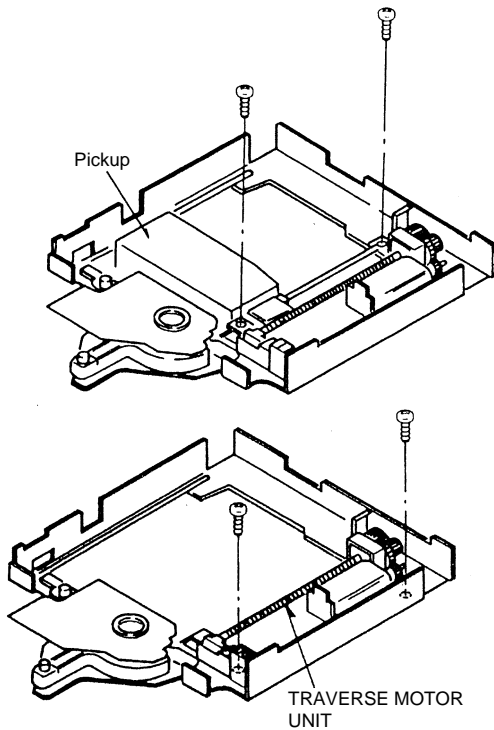
1. Short the pickup short lands for protecting the damage of the statics.
2. Remove all of the flexible cables on the connection pcb.
3. Remove screws to divide the traverse unit



DISASSEMBLY FOR REPAIR

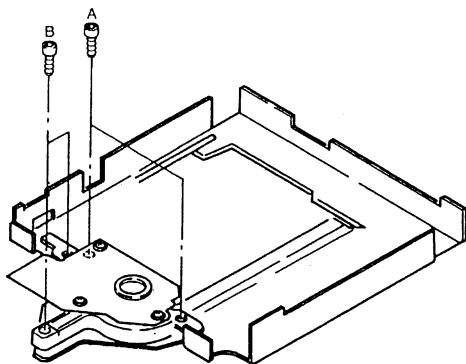
2. Laser Pickup

1. Remove the screws fixing the pickup.
2. Remove the screws fixing the traverse motor.



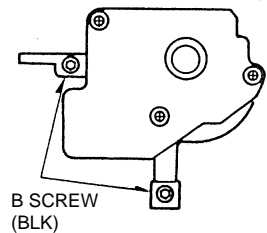
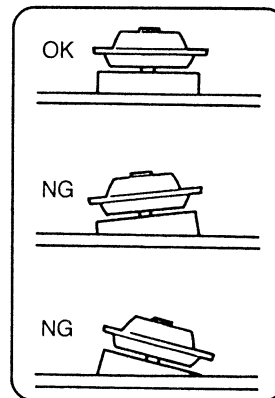
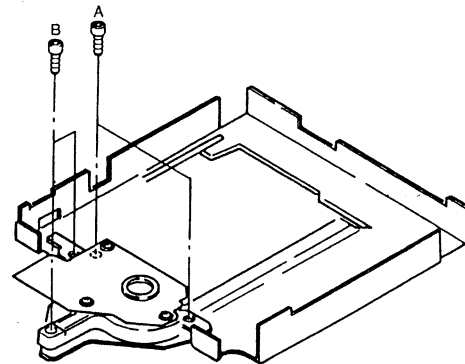
3. Disc Motor

1. Remove the A screw and the B screw in the order.
- Note: No need to remove the laser pickup when disc motor replace procedure.



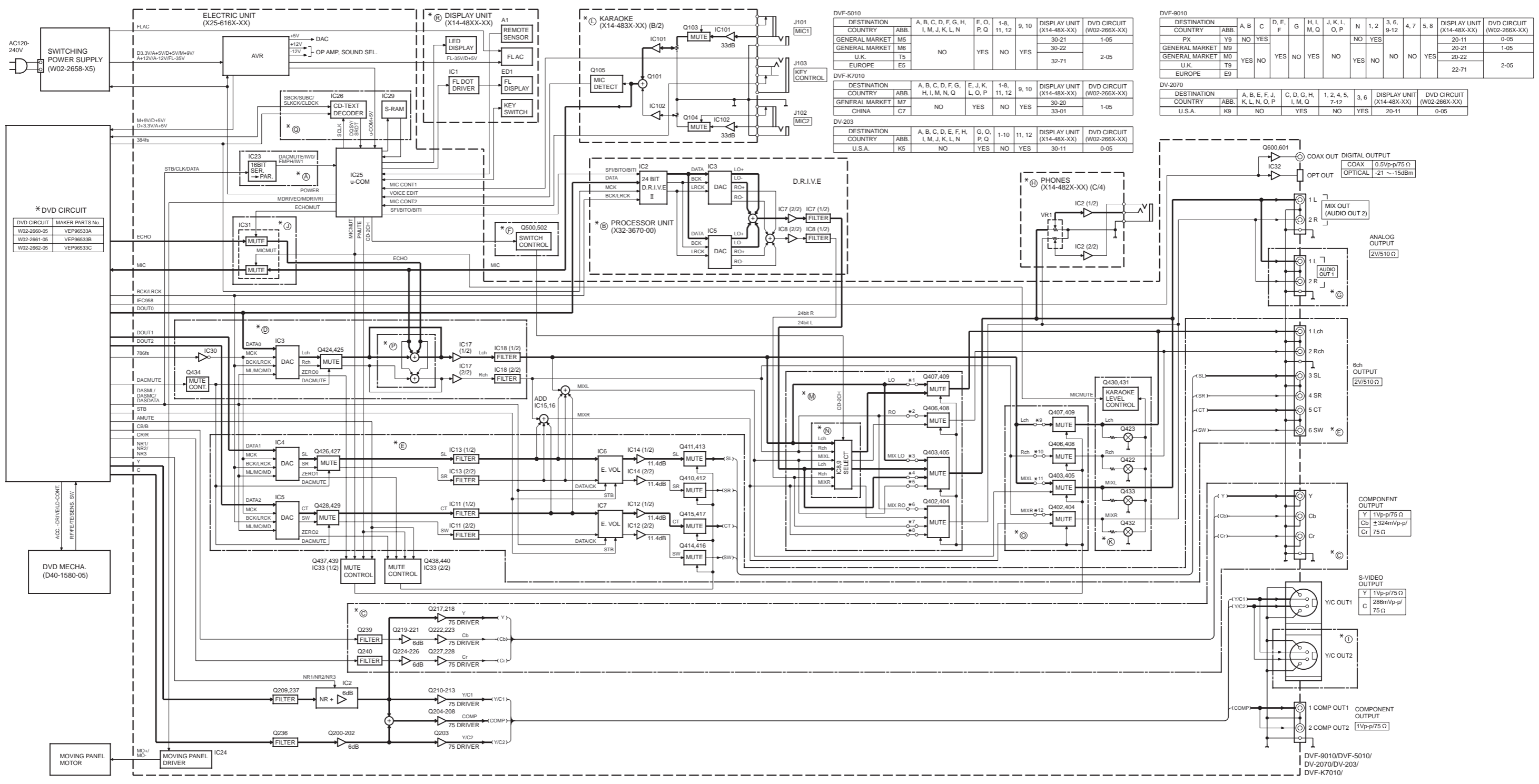
4. Assemble

1. Assemble the traverse unit and the pickup in the reverse order of disassembly.
2. Fix the A screw and the B adjusting screw when the disc motor unit mount.
3. Fix the B screw so that the disc motor unit is at a level with the traverse unit.



4. After assembled the pickup, the traverse motor unit or the disc motor, adjust "TANGENTIAL" and "TILT" of the adjustment.
(Need not adjust this adjustment to exchange the traverse unit.)

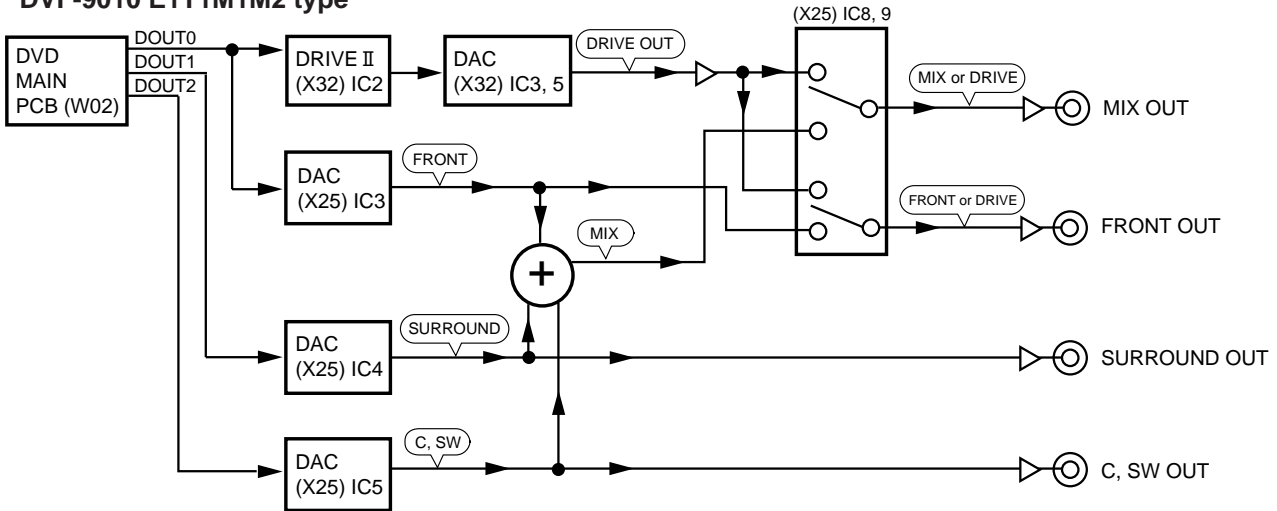
BLOCK DIAGRAM



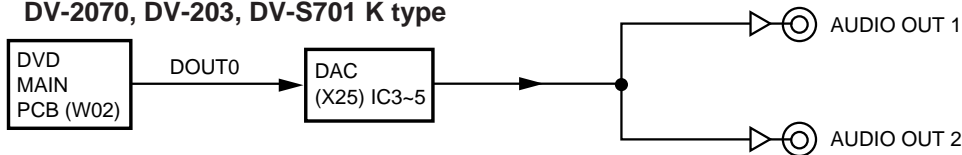
CIRCUIT DESCRIPTION

1. Audio circuit for model and destination

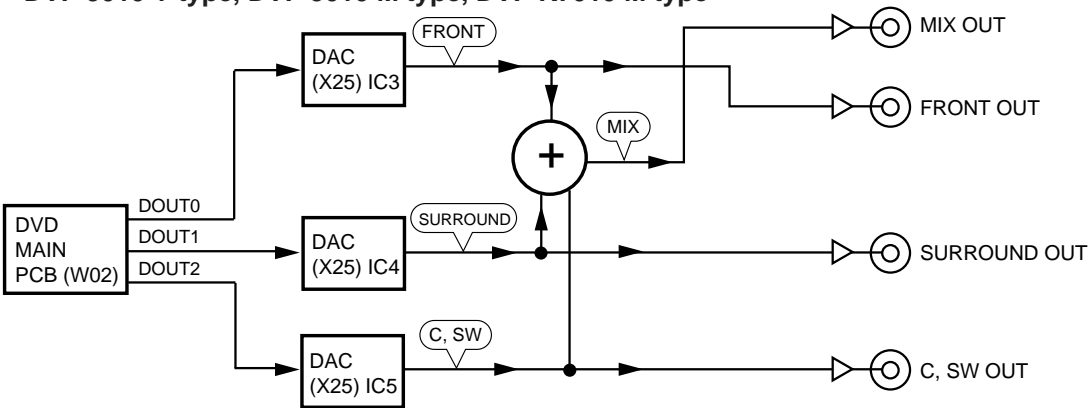
DVF-9010 E1T1M1M2 type



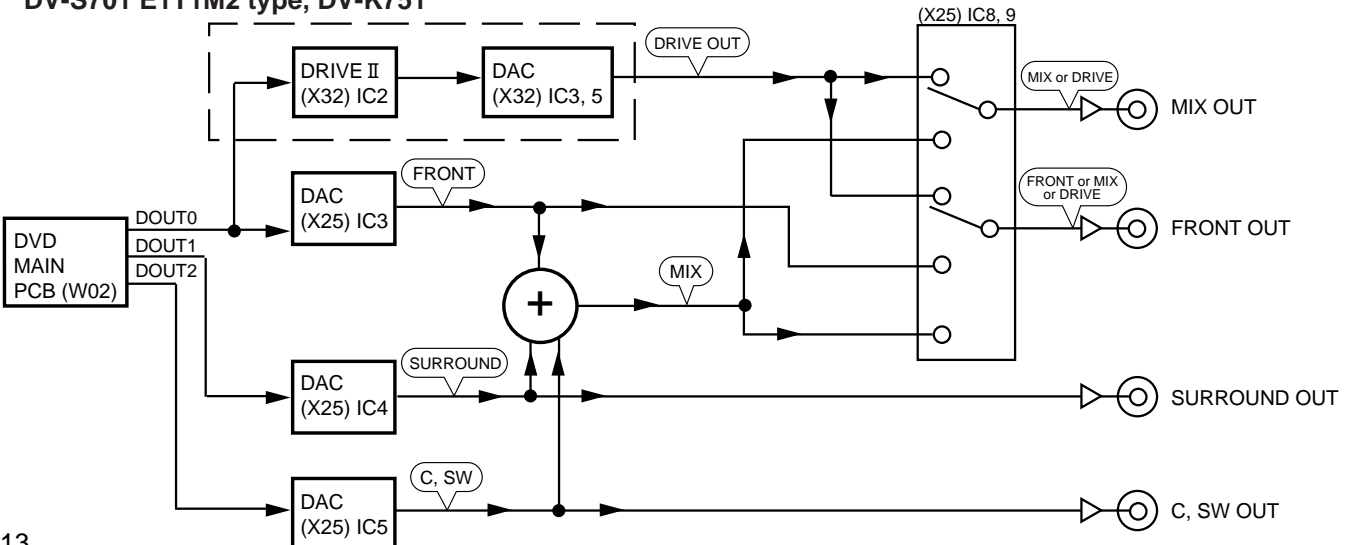
DV-2070, DV-203, DV-S701 K type



DVF-9010 Y type, DVF-5010 M type, DVF-K7010 M type



DV-S701 E1T1M2 type, DV-K751

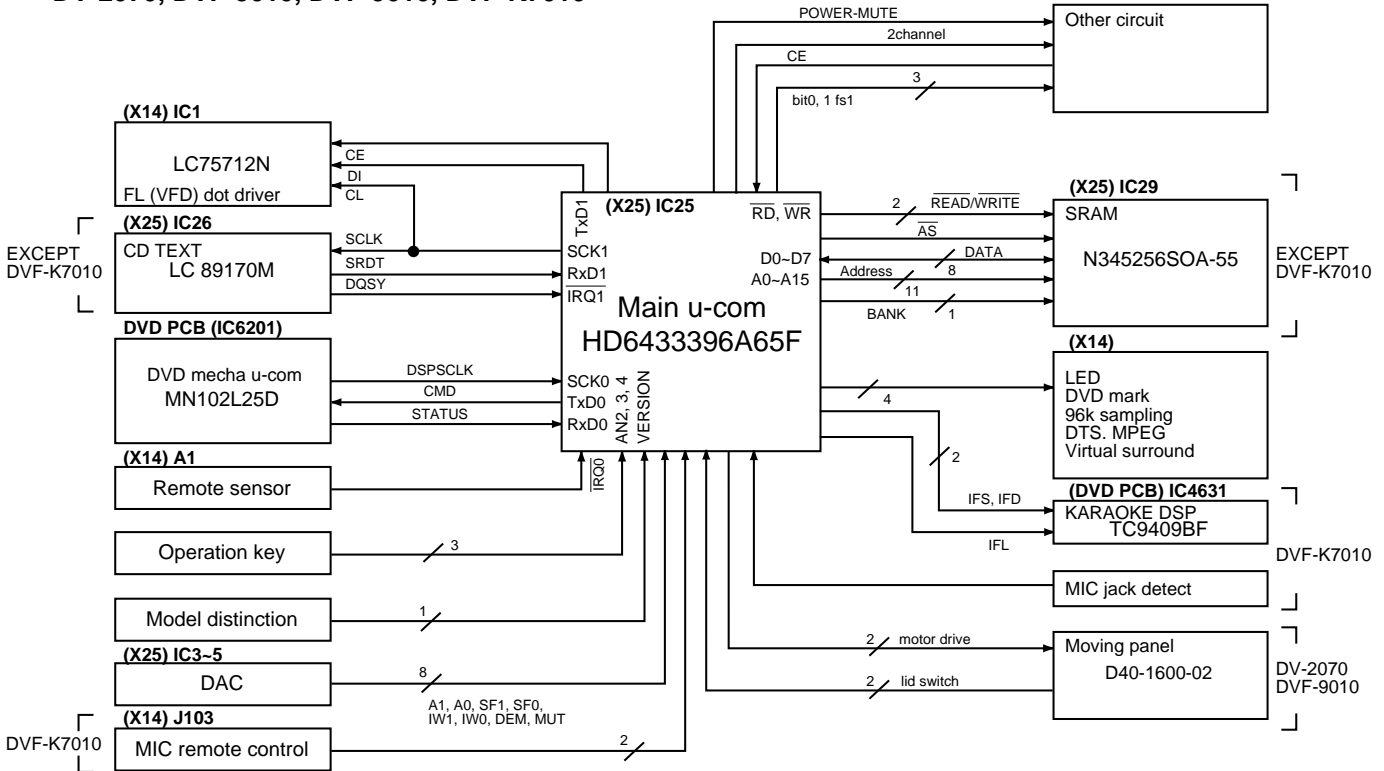


CIRCUIT DESCRIPTION

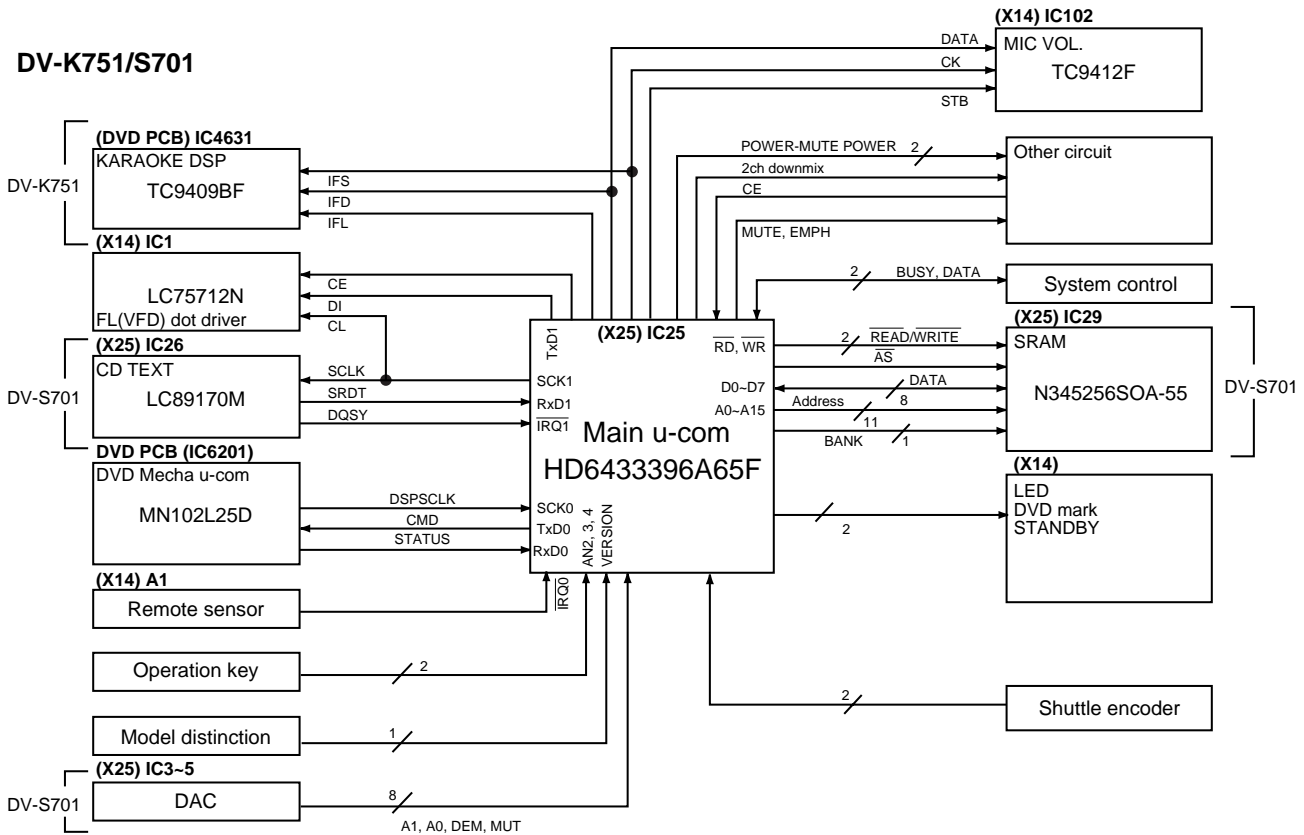
2. Main microprocessor : HD6433396A65F (X25: IC25)

2-1 Block diagram

DV-2070, DVF-5010, DVF-9010, DVF-K7010



DV-K751/S701



CIRCUIT DESCRIPTION

2-2 Pin description

| Pin No. | Pin Name | I/O | Description |
|---------|------------------|-----|--|
| 1 | /RES | I | Input port of the microprocessor reset |
| 2,3 | X/ETAL | I/O | Port of ceramic oscillator |
| 4,5 | MD1/0 | I | Operation mode0(fixed H) and 1(fixed L) |
| 6 | /NMI | - | No use |
| 7 | /STBY | - | No use |
| 8 | VCC | - | Power supply(+5V) |
| 9 | DSPCLK | I | Input port of the clock signal from the mechanism microprocessor |
| 10 | STATUS | I | Input port from the mechanism microprocessor reset |
| 11 | CMD | O | Output port to the mechanism microprocessor reset |
| 12 | VSS | - | GND |
| 13,14 | - | - | No use |
| 15 | /AS | O | Access mode of extra-address |
| 16 | /WR | O | Read mode of extra-address |
| 17 | /RD | O | Write mode of extra-address |
| 18 | REMOCON | O | Input port of remote control signal |
| 19 | DQSY | I | Input port of read signal from CD-TEXT IC |
| 20 | /2 CHANNEL | O | 2 channel H : except 2CH, L : 2CH |
| | /CD | O | CD H : except CD, L : CD |
| 21 | BIT 0 | O | Bit 0 H : 16 or 20bit, L : 24bits |
| | SYNCHRO BUSY | I/O | Synchro busy signal |
| 22 | SDATA | I/O | Synchro data signal |
| 23 | PANEL OPEN | O | Moving panel motor driver 0 |
| | IFS | O | Karaoke DSP serial clock output |
| | CK | O | KARAOKE DSP/MIC volume IC clock output |
| 24 | PANEL CLOSE | O | Moving panel motor driver 1 |
| | IFD | O | Karaoke DSP serial data output |
| | DATA | O | KARAOKE DSP/MIC volume IC data output |
| 25 | MUTE | O | DAC mute H : on, L : off |
| | IFL | O | Karaoke DSP serial latch output |
| 26 | FS1 | O | Sampling frequency(FS)1 H : 44.1 or 48kHz, L : 96kHz |
| | MIC-MUTE | O | Mic mute H : off, L : on |
| 27 | POWER | O | Power supply control port H : standby, L : power on |
| 28 | BIT 1 | O | Bit 1 H : 16bit, L : 20 or 24bits |
| | ECHO-MUTE | O | Echo mute H : off, L : on |
| 29 | AVCC | - | Standard voltage for A/D |
| 30 | PANEL CLOSE SW | I | Moving panel close switch L : on |
| | MIC REMOTE 1 | I | Mic remote control 1 |
| 31 | PANEL OPEN SW | I | Moving panel open switch L : on |
| | MIC REMOTE 0 | I | Mic remote control 0 |
| 32,33 | KEY0,1 | I | Key input port 0,1 |
| 34 | KEY2 | I | Key input port 2 |
| 35 | VERSION | I | Model selector |
| 36,37 | - | - | No use |
| 38 | AVSS | - | GND for A/D |
| 39 | LED 96kHz | O | 96kHz sampling indicator H : on, L : off |
| 40 | LED DTS/MPEG | O | DTS/MPEG indicator H : on, L : off |
| | 2CH DOWN MIX | O | 2 channel down mix H : on, L : off |
| 41 | LED DVD | O | DVD indicator H : on, L : off |
| 42 | LED VIRTUAL SURR | O | Virtual Surround indicator H : on, L : off |
| | LED STANDBY | O | LED standby H : on, L : off |
| 43 | BB-A1 | I | DAC data register address A1 |
| 44 | BB-A0 | I | DAC data register address A0 |
| | STB | O | Mic volume IC latch output |
| 45 | BB-IW1 | I | DAC data bit IW1 |
| | SHUTTLE SW1 | I | Shuttle switch 1 |
| 46 | BB-IW0 | I | DAC data bit IW0 |
| | SHUTTLE SW0 | I | Shuttle switch 0 |
| 47 | VCC | - | Power supply |
| 48 | BB-SF1 | I | DAC sampling rate(SF1) |
| | VOICE-DET | I | Voice defect H : voice, L : non-voice |

CIRCUIT DESCRIPTION

| Pin No. | Pin Name | I/O | Description |
|---------|----------|-----|--|
| 49 | BB-MUT | I | DAC soft mute |
| | MIC-IN | I | Mic input control port H : in, L : out |
| 50 | BB-SF0 | I | DAC sampling rate(SF0) |
| 51 | BB-DEM | I | DAC data deemphasis |
| 52 | CE | I | Chip enable H : Power supply on L : off |
| 53-55 | A10-8 | O | Access address of SRAM |
| 56 | VSS | - | GND |
| 57-64 | A7-0 | O | Access address of SRAM |
| 65-72 | D0-7 | I/O | Access data of SRAM |
| 73 | VSS | - | GND |
| 74 | BANK A | O | Bank selector A |
| 75 | P-MUTE | O | Power mute H : off, L : on |
| 76 | EMPH | O | Deemphasis H : on, L : off |
| 77 | CE | O | FL driver IC serial control latch |
| 78 | DI | O | FL driver IC serial data |
| 79 | SRDT | I | Data for CD-TEXT |
| 80 | CL | O | FL driver IC serial clock |
| | SCLK | O | Serial clock for CD-TEXT/VFD |

2-3 Port table

| Pin No. | Pin Name | I/O | DVF-9010 | DV-2070 | DVF-K7010 | DV-5010 | DV-203 | DV-S701 | DV-K751 |
|---------|--------------|-----|----------|---------|-----------|---------|--------|---------|---------|
| 1 | /RES | I | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 2 | XTAL | I/O | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 3 | EXTAL | I/O | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 4 | MD1 | I | HIGH | HIGH | HIGH | HIGH | HIGH | HIGH | HIGH |
| 5 | MD0 | I | LOW | LOW | LOW | LOW | LOW | LOW | LOW |
| 6 | /NM1 | - | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 7 | /STBY | - | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 8 | VCC | - | | | | | | | |
| 9 | DSPCLK | I | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 10 | STATUS | I | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 11 | CMD | O | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 12 | VSS | - | | | | | | | |
| 13,14 | - | - | | | | | | | |
| 15 | /AS | O | ○ | | ○ | ○ | ○ | ○ | |
| 16 | /WR | O | ○ | | ○ | ○ | ○ | ○ | |
| 17 | /RD | O | ○ | | ○ | ○ | ○ | ○ | |
| 18 | REMOCON | I | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 19 | DQSY | I | ○ | ○ | | ○ | ○ | ○ | |
| 20 | CD | O | | | | | | ○ | |
| | 2CHANNEL | O | ○ | | | | | | |
| 21 | SYNCHRO BUSY | I/O | | | | | | ○ | ○ |
| | BIT 0 | O | ○ | | | | | | |
| 22 | SYNCHRO DATA | I/O | | | | | | ○ | ○ |
| 23 | PANEL OPEN | O | ○ | ○ | | | | | |
| | IFS | O | | | ○ | | | | ▲ |
| | CK | O | | | | | | | ▲ |
| 24 | PANEL CLOSE | O | ○ | ○ | | | | | |
| | IFD | O | | | ○ | | | | ▲ |
| | DATA | O | | | | | | | ▲ |
| 25 | MUTE | O | ○ | | | | | ○ | |
| | IFL | O | | | ○ | | | | ○ |

CIRCUIT DESCRIPTION

| Pin No. | Pin Name | I/O | DVF-9010 | DV-2070 | DVF-K7010 | DV-5010 | DV-203 | DV-S701 | DV-K751 |
|---------|------------------|-----|----------|---------|-----------|---------|--------|---------|---------|
| 26 | FS1 | O | ○ | | | | | | |
| | MIC-MUTE | O | | | ○ | | | | ○ |
| 27 | POWER | O | ○ | ○ | ○ | ○ | ○ | | |
| 28 | BIT 1 | O | ○ | | | | | | |
| | ECHO-MUTE | O | | | ○ | | | | ○ |
| 29 | AVCC | - | | | | | | | |
| 30 | MIC REMOTE 1 | I | | | ○ | | | | |
| | PANEL CLOSE SW | I | ○ | ○ | | | | | |
| 31 | MIC REMOTE 0 | I | | | ○ | | | | |
| | PANEL OPEN SW | I | ○ | ○ | | | | | |
| 32,33 | KEY0,1 | I | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 34 | KEY 2 | I | ○ | ○ | ○ | | | | |
| 35 | VERSION | I | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 36,37 | - | - | | | | | | | |
| 38 | AVSS | - | | | | | | | |
| 39 | LED 96KHZ | O | ○ | ○ | ○ | ○ | ○ | | |
| 40 | LED DTS/MPEG | O | ○ | ○ | ○ | ○ | ○ | | |
| | 2CH DOWN MIX | O | | | | | | ○ | ○ |
| 41 | LED DVD | O | ○ | ○ | | | | ○ | ○ |
| 42 | LED VIRTUAL SURR | O | ○ | ○ | ○ | ○ | ○ | | |
| | LED STANDBY | O | | | | | | ○ | ○ |
| 43 | BB-A1 | I | ○ | | | | | ○ | |
| 44 | BB-A0 | I | ○ | | | | | ○ | |
| | STB | O | | | | | | | ○ |
| 45 | SHUTTLE SW 1 | I | | | | | | ○ | ○ |
| | BB-IW1 | I | ○ | | | | | | |
| 46 | SHUTTLE SW 0 | I | | | | | | ○ | ○ |
| | BB-IW0 | I | ○ | | | | | | |
| 47 | VCC | - | | | | | | | |
| 48 | VOICE-DET | I | | | ○ | | | | ○ |
| | BB-SF1 | I | ○ | | | | | | |
| 49 | MIC-IN | I | | | ○ | | | | ○ |
| | BB-MUT | I | ○ | | | | | ○ | |
| 50 | BB-SF0 | I | ○ | | | | | | |
| 51 | BB-DEM | I | ○ | | | | | ○ | |
| 52 | CE | I | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 53-64 | ADDRESS 0-10 | O | ○ | ○ | | ○ | ○ | ○ | |
| 65-72 | DATA 0-7 | I/O | ○ | ○ | | ○ | ○ | ○ | |
| 73 | VSS | - | | | | | | | |
| 74 | BANK A | O | ○ | ○ | | ○ | ○ | ○ | |
| 75 | POWER MUTE | O | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 76 | EMPH | O | ○ | | | | | ○ | |
| 77 | CE | O | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 78 | DI | O | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 79 | SRDT | I | ○ | ○ | | ○ | ○ | ○ | ○ |
| 80 | CL | O | ▲ | ▲ | ○ | ▲ | ▲ | ▲ | ▲ |
| | SCLK | O | ▲ | ▲ | | ▲ | ▲ | ▲ | ▲ |

○=use, ▲=common use

CIRCUIT DESCRIPTION

3. Voltage matrix

| PORT#32 | | | | PORT#33 | | | PORT#34 | | PORT#35 |
|---------------|----------------------|------------|---------------------|----------------------|----------------|---------------------|----------------------|--------------|------------|
| VOLTAGE | DVF-9010/ VD-2070 | DVF-K7010 | DVF-5010/ VD-203 | DVF-9010/ VD-2070 | DVF-K7010 | DVF-5010/ VD-203 | DVF-9010/ VD-2070 | DVF-K7010 | MODEL NAME |
| 5 V | | | | | | | | | |
| | - | - | - | - | - | - | - | - | DV-K751 |
| 4.58 V | | | | | | | | | |
| | ◀(LEFT) | - | - | - | REPEAT | REPEAT | - | - | DVF-9010 |
| 3.75 V | | | | | | | | | |
| | ▲(UP) | - | - | RETURN | ▢(STILL/PAUSE) | ▢(STILL/PAUSE) | - | - | DV-2070 |
| 2.92 V | | | | | | | | | |
| | ENTER | - | - | MENU | ◀◀(BWD SKIP) | ◀◀(BWD SKIP) | ▶▶(FWD SKIP) | KARAOKE | DVF-K7010 |
| 2.08 V | | | | | | | | | |
| | ▼(DOWN) | OPEN/CLOSE | OPEN/CLOSE | ▢(STILL/PAUSE) | ▶▶(FWD SKIP) | ▶▶(FWD SKIP) | ◀◀(BWD SKIP) | b (FLAT) | DVF5010 |
| 1.25 V | | | | | | | | | |
| | ▶(RIGHT) | ▶(PLAY) | ▶(PLAY) | PANEL UP/DOWN | ◀◀ (FB) | ◀◀ (FB) | ■(STOP) | h (NATURAL;) | DV-203 |
| 0.42 V | | | | | | | | | |
| | ON SCREEN | ■(STOP) | ■(STOP) | OPEN/CLOSE | ▶▶ (FF) | ▶▶ (FF) | ▶(PLAY) | #(SHARP) | DV-S701 |
| 0 V | | | | | | | | | |

4. MIC PORT

| MIC CONTROL | | PORT#31 | | |
|-------------|-----|---------|-----|---------------|
| | | 5 V | 4 V | 0 V |
| PORT#30 | 5 V | OFF | - | # |
| | 4 V | - | OFF | - |
| | 0 V | b | - | LESSON RETURN |

5. Setup and initial items

| items | Disc language | Ratings | Menu language | On-screen message | FL display | TV aspect | Digital audio output | Speaker setting | Other setting |
|-----------|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---|--|---|
| Contents | Audio: Original Subtitle: Automatic Menu: English | 8(No limit) | English | On | Bright | 4:3 | LPCM(DVD): Off Dolby digital: Bitstream MPEG: PCM/DTS: On | Front: On(small) Center: On(small) Rear: On(small) Subwoofer: On Delay time: 0ms Channel balance: 0dB | Still mode: Automatic Audio during search: On TV mode(4:3): Pan&scan D.range compression: On |
| DVF-9010 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| DV-2070 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> |
| DVF-K7010 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| DVF-5010 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| DV-203 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> |
| DV-S701 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> /x(K) | <input type="radio"/> |
| DV-K751 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

CIRCUIT DESCRIPTION

6. DAC : AD1855 (X32: IC3, 4)

6-1 Pin description

| Pin No. | Pin Name | I/O | Descriptions |
|---------|----------|-----|---|
| 1 | DGND | I | Digital GND. |
| 2 | MCLK | I | Master clock input. Connect to an external clock source at either 256,384 or 512Fs. |
| 3 | CLATCH | I | Latch input for control data. This input is rising edge sensitive. |
| 4 | CCLK | I | Control clock input for control data. Control input data must be valid on the rising edge of CCLK. CCLK may be continuous or gated. |
| 5 | CDATA | I | Serial control input, MSB first, containing 16 bits of unsigned data per channel. Used for specifying channel specific attenuation and mute. |
| 6 | 384/256 | I | Select the master clock mode as either 384 times the intended sampling frequency(HI) or 256 times the intended sampling frequency(LO). The state of this input should be hardwired to logic HI or logic LO or may be changed while the AD1855 is in power down/reset. It must not be changed while the AD1855 is operational. |
| 7 | X2MCLK | I | Select internal clock doubler(LO) or internal clock =MCLK(HI). |
| 8 | ZEROR | O | Right channel zero flag output. This port goes HI when left channel has no signal input for more than 1024 LR clock cycles. |
| 9 | DEEMP | I | Deemphasis. Digital deemphasis is enabled when this input signal is HI. This is used to impose a 50/15 ms response characteristic on the output audio spectrum at an assumed 44.1kHz sample rate. |
| 10 | 48/96 | I | Selects 48kHz(LO) or 96kHz sampling frequency control. |
| 11 | AGND | I | Analog GND |
| 12 | OUTR+ | O | Right channel positive line level analog output |
| 13 | OUTR- | O | Right channel negative line level analog output |
| 14 | FILTER | O | Voltage reference filter capacitor connection. Bypass and decouple the voltage reference with parallel 10uF and 0.1uF capacitor to the AGND. |
| 15 | AGND | I | Analog GND |
| 16 | OUTL- | O | Left channel negative line level analog output |
| 17 | OUTL+ | O | Left channel positive line level analog output |
| 18 | AVDD | I | Analog power supply. Connect to the analog +5V supply. |
| 19 | FILTB | - | Filter capacitor connection, connect 10uF capacitor to AGND. |
| 20 | IDPM1 | I | Input serial data port mode control one. With IDPM0, defines 1 of 4 serial modes. |
| 21 | IDPM0 | I | Input serial data port mode control zero. With IDPM1, defines 1 of 4 serial modes. |
| 22 | ZEROL | O | Left channel zero flag output. This port goes HI when right channel has no signal input for more than 1024 LR clock cycles. |
| 23 | MUTE | I | Mute. Assert HI to mute both stereo analog outputs. Dessert LO for normal operation. |
| 24 | PD/RST | I | Power down/reset. The AD1855 is placed in a low power consumption mode when this port is held LO. The AD1855 is reset on the rising edge of this signal. The serial control port registers are reset to the default values. Connect HI for normal operation. |
| 25 | LRCLK | I | Left/right clock input for input data. Must run continuously. |
| 26 | BCLK | I | Bit clock input for input data. Need not run continuously; may be gated or used in a burst fashion. |
| 27 | DSDAT | I | Serial input, MSB first, containing two channels of 16/18/20/24 bits of twos compliment data per channel. |
| 28 | DVDD | I | Digital power supply. Connect to the digital +5V supply. |

6-2 SERIAL DATA INPUT MODE

| IDPM1 (PIN20) | IDPM0 (PIN21) | Serial data input format |
|---------------|---------------|--------------------------------|
| 0 | 0 | Right-Justified (16 bits only) |
| 0 | 1 | I2S Compatible |
| 1 | 0 | Left-Justified |
| 1 | 1 | DSP |

CIRCUIT DESCRIPTION

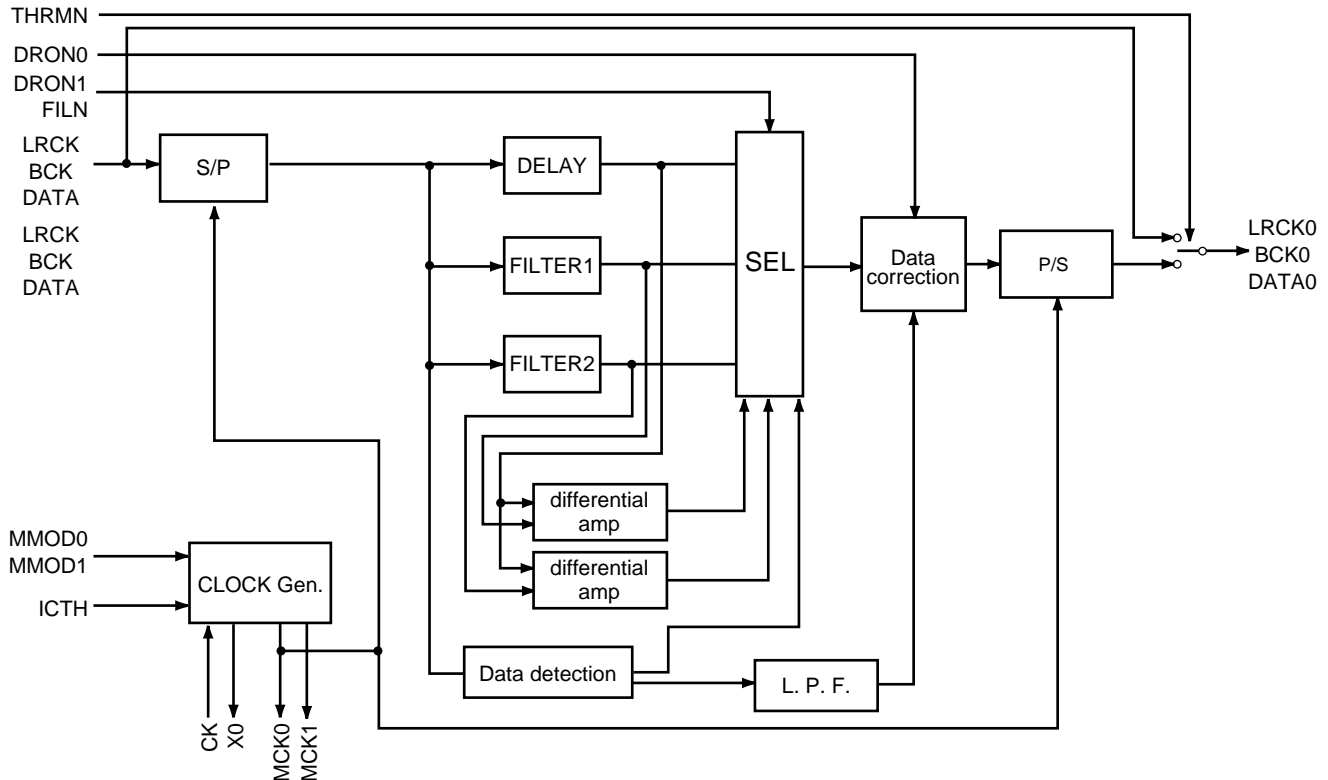
7. DSP/D.R.I.V.E. II : KAN06 (X32 : IC2)

7-1 Pin description

| Pin No. | Pin Name | I/O | Descriptions |
|---------|----------|-----|------------------------------|
| 1 | MUTE | I | Mute(H:on) |
| 2 | BCK | I | BCK input port |
| 3 | DATA | I | Data input port |
| 4 | LRCK | I | LRCK input port |
| 5 | RST | I | Reset input port(L:reset) |
| 6 | VSS | - | GND |
| 7 | IBF | I | Input format setting(1) |
| 8 | IIS | I | Input format setting(2) |
| 9 | IUD | I | Inverted input port of LRCK |
| 10 | IW0 | I | Input data period setting(1) |
| 11 | IW1 | I | Input data period setting(2) |
| 12 | VSS | - | GND |
| 13-16 | NCON3-0 | O | Test port |
| 17 | VDD | - | Power supply port |
| 18 | DR0N0 | I | ROM compensation on/off |
| 19 | DR0N1 | I | Filter compensation on/off |
| 20 | NT | I | Connect H level |
| 21 | RND0 | I | Open |
| 22 | RND1 | I | Open |
| 23 | OBF | I | Output format setting(1) |

| Pin No. | Pin Name | I/O | Descriptions |
|---------|----------|-----|---------------------------------------|
| 24 | OIS | I | Output format setting(2) |
| 25 | OLRRL | I | Output change port |
| 26 | OOD | I | Edge setting of LRCK0 |
| 27 | FILN | I | Connect H level |
| 28 | VSS | - | GND |
| 29 | LRCKO | O | LRCK output port |
| 30 | DATAO | O | DATA output port |
| 31 | BCKO | O | BCK output port |
| 32 | DRVW | I | Connect H level |
| 33 | THRMN | I | Through mode |
| 34 | ICTH | I | Phase setting of internal oscillation |
| 35 | VDD | - | Power supply port |
| 36 | CK | I | Master clock input port |
| 37 | X0 | O | Crystal output port |
| 38 | VSS | - | GND |
| 39 | VDD | - | Power supply port |
| 40,41 | MCK0,1 | O | Master clock output port |
| 42 | VSS | - | GND |
| 43,44 | MMOD0,1 | I | Master clock frequency setting |

7-2 Block diagram



CIRCUIT DESCRIPTION

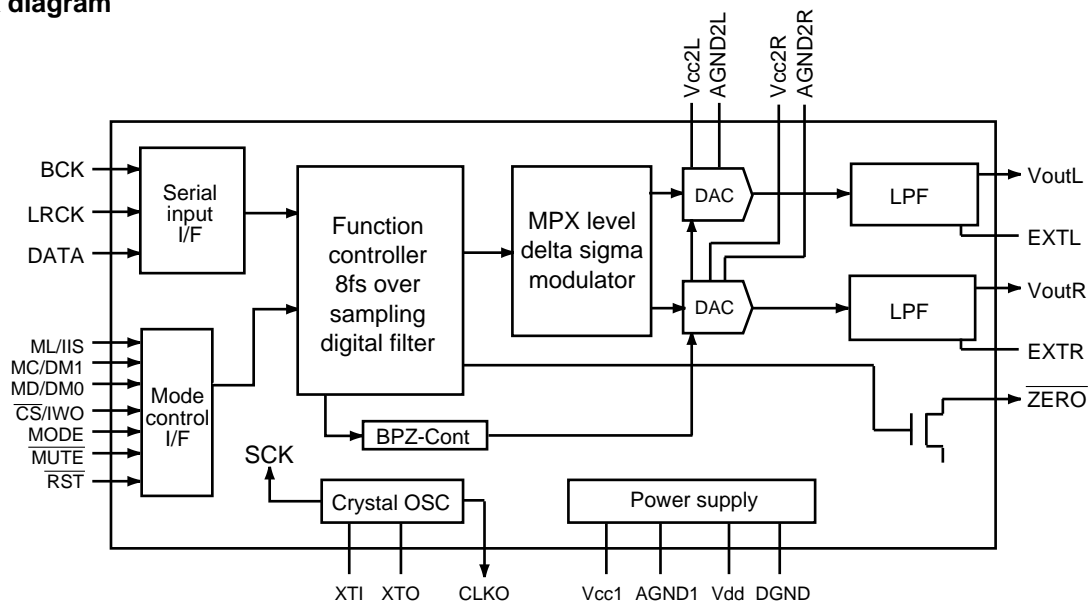
8. DAC : PCM1716E (X25 : IC3~5)

8-1 Pin description

| Pin No. | Pin Name | I/O | Descriptions |
|---------|----------|-----|---------------------------------|
| 1 | LRCK | I | LRCK clock input port |
| 2 | DATA | I | Data input port |
| 3 | BCK | I | Bit clock input port of data |
| 4 | CLKO | O | System clock buffer output port |
| 5 | XTI | I | Clock input port |
| 6 | XTO | O | Crystal connection port |
| 7 | DGND | - | Digital GND |
| 8 | VDD | - | Digital power supply(+5V) |
| 9 | VCC2R | - | Analog power supply(+5V) |
| 10 | AGND2R | - | Analog GND |
| 11 | EXTR | O | R-ch, analog output |
| 12 | NC | - | No connection |
| 13 | VOUTR | O | R-ch, analog output port |
| 14 | AGND1 | - | Analog GND |
| 15 | VCC1 | - | Analog power supply(+5V) |
| 16 | VOUTL | O | L-ch, analog output port |

| Pin No. | Pin Name | I/O | Descriptions |
|---------|----------|-----|---|
| 17 | NC | - | No connection |
| 18 | EXTL | O | L-ch, analog output |
| 19 | AGND2L | - | Analog GND |
| 20 | VCC2L | - | Analog power supply(+5V) |
| 21 | /ZERO | O | Zero data flag |
| 22 | /RST | I | Reset port |
| 23 | /CS/IWO | I | Chip select/input format select |
| 24 | MODE | I | Mode control selector (H:soft,L:hard) |
| 25 | /MUTE | I | Mute control |
| 26 | MD/DM0 | I | Mode control data/deemphasis selector |
| 27 | MC/DM1 | I | Mode control BCK/deemphasis selector |
| 28 | ML/IIS | I | Mode control latch/input format selector |

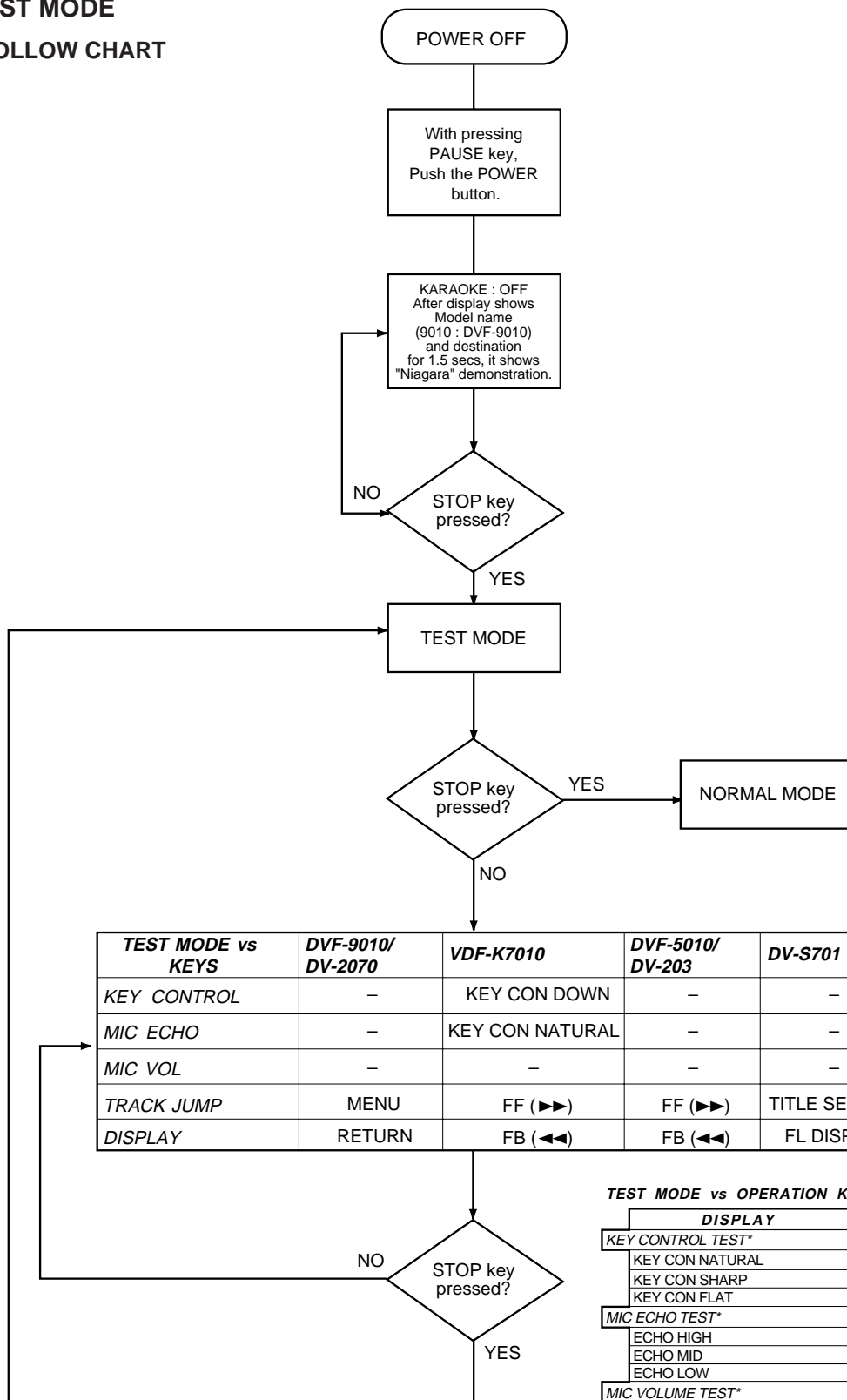
8-2 Block diagram



CIRCUIT DESCRIPTION

9. TEST MODE

9-1 FOLLOW CHART



| TEST MODE vs KEYS | DVF-9010/ DV-2070 | VDF-K7010 | DVF-5010/ DV-203 | DV-S701 | DV-K751 |
|-------------------|----------------------|-----------------|---------------------|--------------|------------|
| KEY CONTROL | - | KEY CON DOWN | - | - | MIC1 UP |
| MIC ECHO | - | KEY CON NATURAL | - | - | MIC2 UP |
| MIC VOL | - | - | - | - | MIC1 DOWN |
| TRACK JUMP | MENU | FF (▶▶) | FF (▶▶) | TITLE SEARCH | MIC2 DOWN |
| DISPLAY | RETURN | FB (◀◀) | FB (◀◀) | FL DISPLAY | FL DISPLAY |

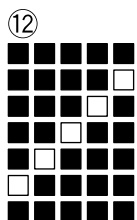
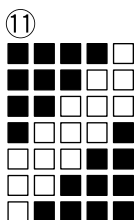
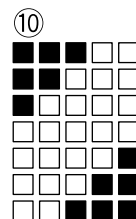
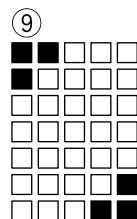
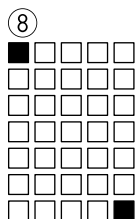
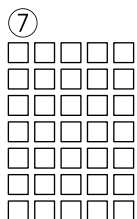
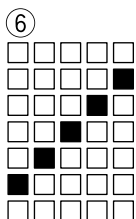
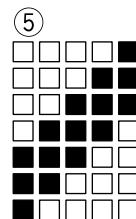
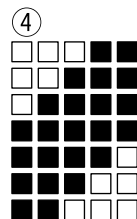
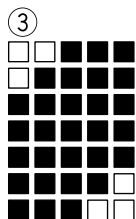
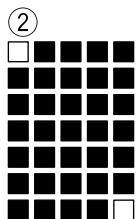
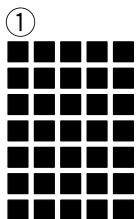
TEST MODE vs OPERATION KEY

| DISPLAY | Descriptions |
|---|----------------------|
| KEY CONTROL TEST* | |
| KEY CON NATURAL | 0 cent(level 0) |
| KEY CON SHARP | 600 cent(level 6) |
| KEY CON FLAT | -600 cent(level-6) |
| MIC ECHO TEST* | |
| ECHO HIGH | ECHO VALUE 15 |
| ECHO MID | ECHO VALUE 8 |
| ECHO LOW | ECHO VALUE 0 |
| MIC VOLUME TEST* | |
| MIC HIGH | ATTENUATION :0dB |
| MIC MID | ATTENUATION :-6dB |
| MIC LOW | ATTENUATION :MAXIMUM |
| TRACK JUMP TEST | |
| JUMP TO THE 41 TRACK IF PLAYBACK THE 1ST TRACK. JUMP TO THE 1ST TRACK IF NOT PLAYBACK THE 1ST TRACK. DISPLAY SHOWS "TEST MODE" AFTER TACK JUMP. | |

* FWD OR BWD KEYS IS AVAILABLE FOR DISPLAY CHANGE IN EVRY TEST .

CIRCUIT DESCRIPTION

9-2 NIAGARA Display



□ : ON

■ : OFF

- Figure in odd number.
Initial : ⑦. ⑦ → ⑫ → ① → ⑦ every change is 200m/s
- Figure in even number
Initial : ①. ① → ⑫ → ① every change is 200m/s

ADJUSTMENT

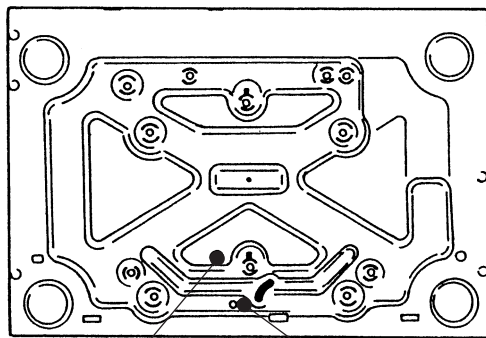
MECHANISM ADJUSTMENT PROCEDURE

| No. | ITEM | INPUT SETTING | OUTPUT SETTING | PLAYER SETTING | ALIGNMENT POINT | ALIGN FOR | FIG. |
|-------|------------|---------------|---|----------------|-----------------|---------------------------------|------|
| < 1 > | TANGENTIAL | DV DISC | Connect an oscilloscope to TL5206 and chassis GND (DVD main unit : W02-266x-xx) | STILL | Tangential nut | Minimum DC level and flat wave. | (a) |
| < 2 > | TILT | | | | Tilt nut | | |

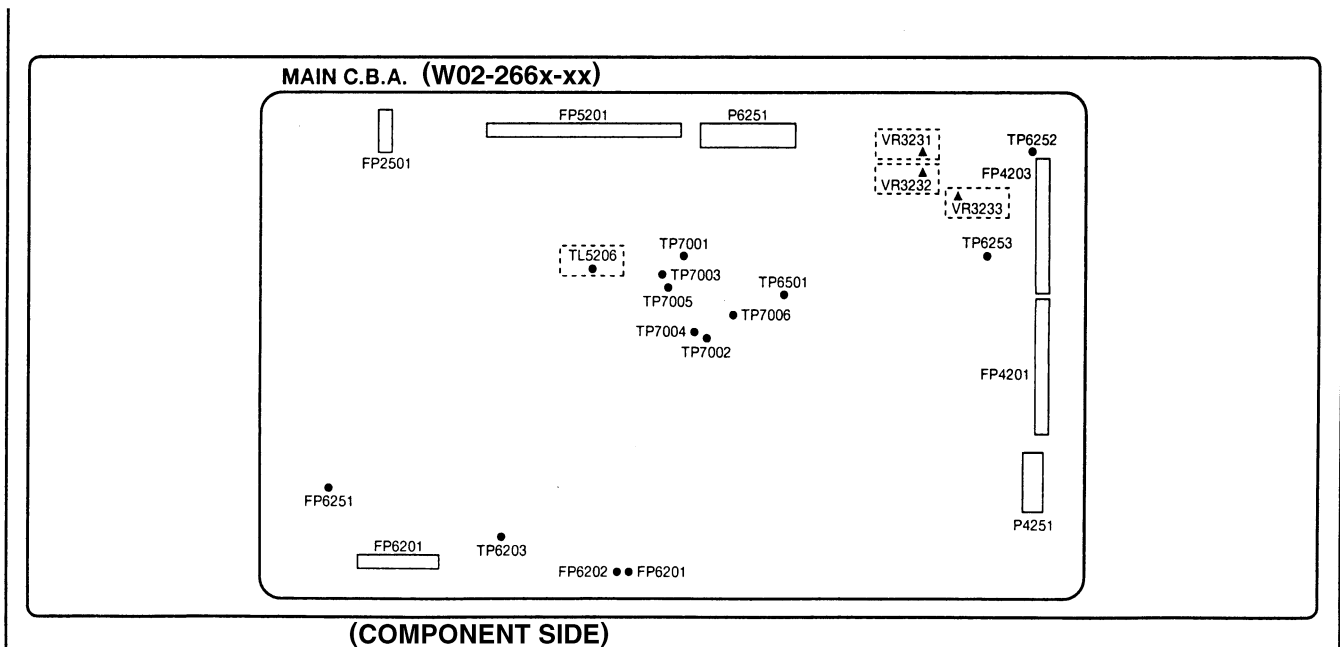
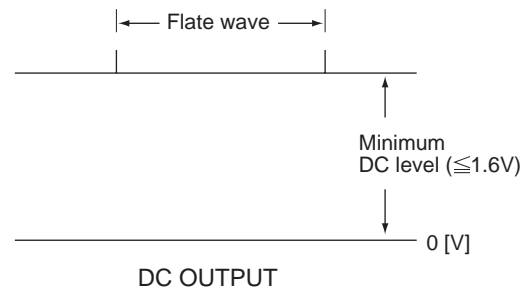
Note : Adjust to repeat No. < 1 > and < 2 > about 2~3 times by a hexagon driver on the bottom chassis of set (DV-2070, DVF-9010 : DVD MECHA.), then complete No. < 2 >.

: After complete adjustment, confirm to play MD, CD and Video CD disc the correct.

(a)



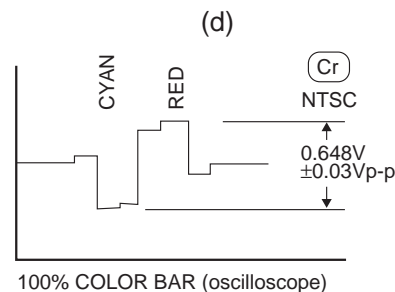
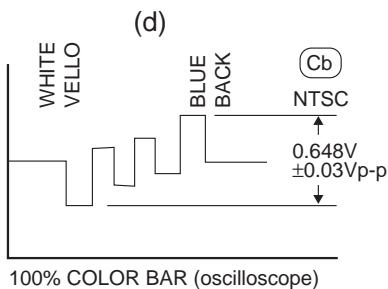
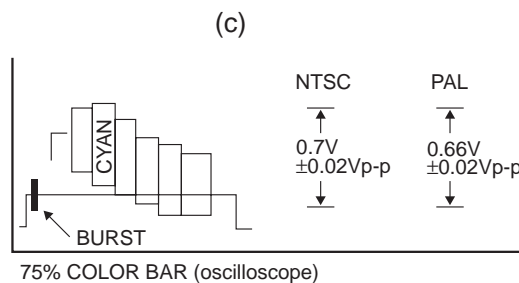
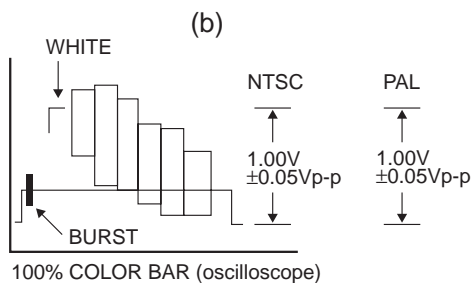
Tangential adjust FRONT Tilt adjust
(Bottom view)



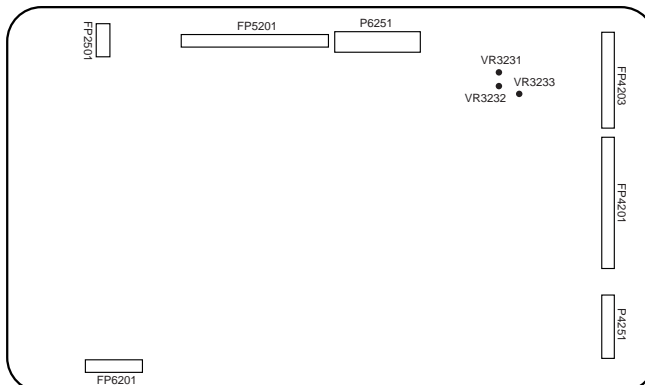
(COMPONENT SIDE)

ADJUSTMENT

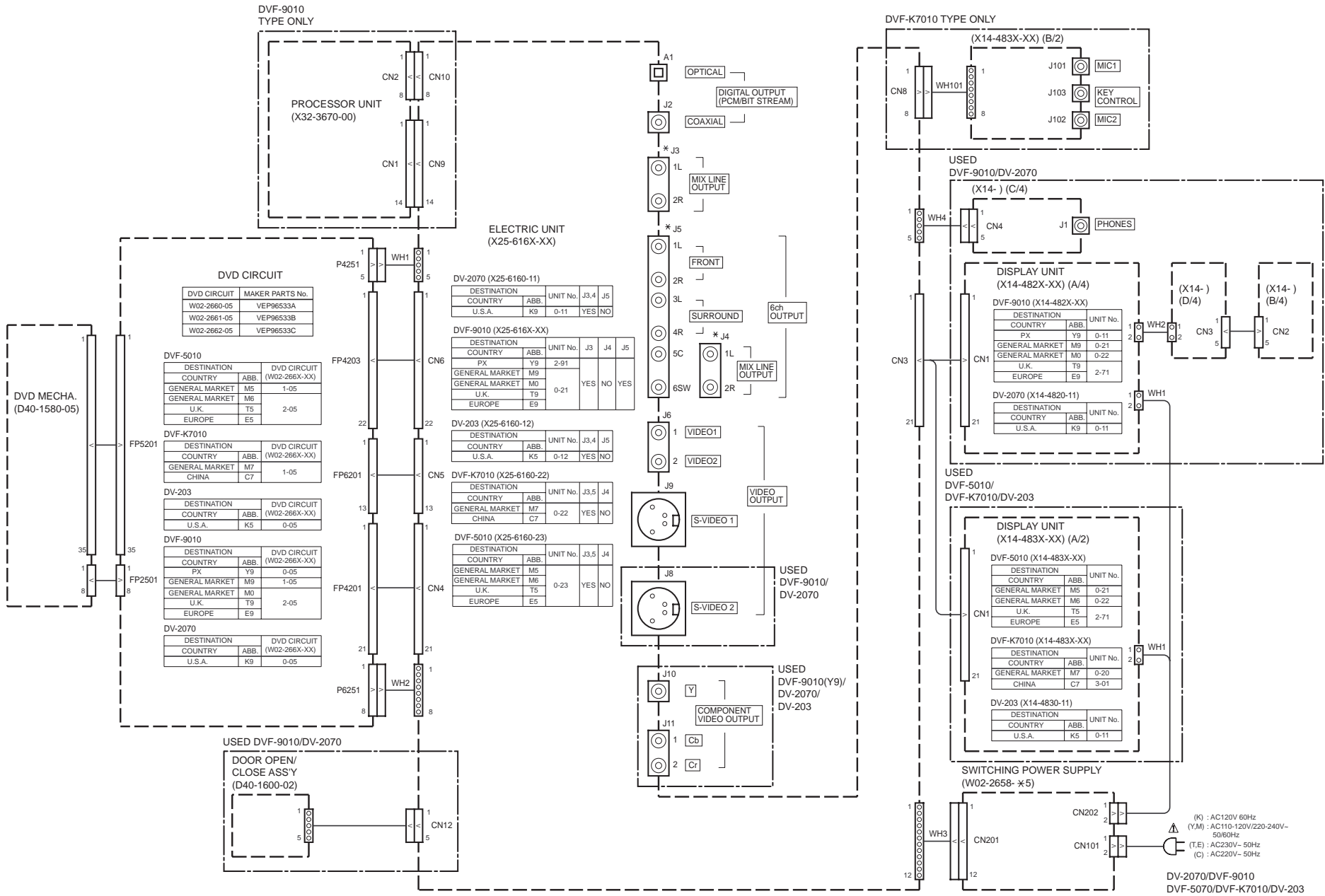
| No. | ITEM | INPUT SETTING | OUTPUT SETTING | DVD SETTING | ALIGNMENT POINT | ALING FOR | FIG. |
|---|-----------------------|--------------------|---|-------------|-------------------|----------------------------|------|
| DVD DISC : 100% and 75% color bar OUTPUT : Video output (composite or component / RCA PIN) | | | | | | | |
| NTSC | | | | | | | |
| 1 | VIDEO LEVEL(Y) | DISC 100%COLOR BAR | Connect the TV monitor and the oscilloscope | STILL | VR3232 (MAIN CBA) | (WHITE) 1.00V ±0.05Vp-p | (b) |
| 2 | VIDEO LEVEL(C) | DISC 75%COLOR BAR | Connect the TV monitor and the oscilloscope | STILL | VR3233 (MAIN CBA) | (CYAN) 0.7V ±0.02Vp-p | (c) |
| 3 | VIDEO LEVEL (Cb) (Cr) | DISC 100%COLOR BAR | Connect the TV monitor and the oscilloscope | STILL | VR3231 (MAIN CBA) | (Cb) (Cr) 0.648V ±0.03Vp-p | (d) |
| PAL | | | | | | | |
| 1 | VIDEO LEVEL(Y) | DISC 100%COLOR BAR | Connect the TV monitor and the oscilloscope | STILL | VR3232 (MAIN CBA) | (WHITE) 1.00V ±0.05Vp-p | (b) |
| 2 | VIDEO LEVEL(C) | DISC 75%COLOR BAR | Connect the TV monitor and the oscilloscope | STILL | VR3233 (MAIN CBA) | (CYAN) 0.66V ±0.02Vp-p | (c) |



MAIN C.B.A



WIRING DIAGRAM

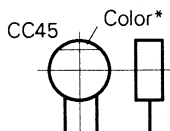


PARTS DESCRIPTIONS

CAPACITORS

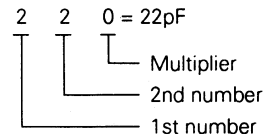
CC 45 TH 1H 220 J
 1 2 3 4 5 6

- 1 = Type ... ceramic, electrolytic, etc.
- 2 = Shape ... round, square, ect.
- 3 = Temp. coefficient
- 4 = Voltage rating
- 5 = Value
- 6 = Tolerance



Capacitor value

- 010 = 1pF
- 100 = 10pF
- 101 = 100pF
- 102 = 1000pF = 0.001μF
- 103 = 0.01μF



Temperature coefficient

| 1st Word | C | L | P | R | S | T | U |
|----------|-------|-----|--------|--------|-------|------|--------|
| Color* | Black | Red | Orange | Yellow | Green | Blue | Violet |
| ppm/°C | 0 | -80 | -150 | -220 | -330 | -470 | -750 |

| 2nd Word | G | H | J | K | L |
|----------|-----|-----|------|------|------|
| ppm/°C | ±30 | ±60 | ±120 | ±250 | ±500 |

Example : CC45TH = -470 ± 60ppm/°C

Tolerance (More than 10pF)

| Code | C | D | G | J | K | M | X | Z | P | No code |
|------|-------|------|----|----|-----|-----|------------|------------|------------|---|
| (%) | ±0.25 | ±0.5 | ±2 | ±5 | ±10 | ±20 | +40 -20 | +80 -20 | +100 -0 | More than 10μF -10 ~ +50 Less than 4.7μF -10 ~ +75 |

(Less than 10pF)

| Code | B | C | D | F | G |
|------|------|-------|------|----|----|
| (pF) | ±0.1 | ±0.25 | ±0.5 | ±1 | ±2 |

Voltage rating

| 2nd word \ 1st word | A | B | C | D | E | F | G | H | J | K | V |
|---------------------|------|------|------|------|------|------|------|------|------|------|----|
| 0 | 1.0 | 1.25 | 1.6 | 2.0 | 2.5 | 3.15 | 4.0 | 5.0 | 6.3 | 8.0 | - |
| 1 | 10 | 12.5 | 16 | 20 | 25 | 31.5 | 40 | 50 | 63 | 80 | 35 |
| 2 | 100 | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 | 800 | - |
| 3 | 1000 | 1250 | 1600 | 2000 | 2500 | 3150 | 4000 | 5000 | 6300 | 8000 | - |

Chip capacitors

(EX) C C 7 3 F S L 1 H 0 0 0 J
 1 2 3 4 5 6 7

(Chip) (CH, RH, UJ, SL)

(EX) C K 7 3 F F 1 H 0 0 0 Z
 1 2 3 4 5 6 7

(Chip) (B, F)

Refer to the table above.

- 1 = Type
- 2 = Shape
- 3 = Dimension
- 4 = Temp. coefficient
- 5 = Voltage rating
- 6 = Value
- 7 = Tolerance

Dimension (Chip capacitors)

| Dimension code | L | W | T |
|----------------|-----------|------------|----------------|
| Empty | 5.6 ± 0.5 | 5.0 ± 0.5 | Less than 2.0 |
| A | 4.5 ± 0.5 | 3.2 ± 0.4 | Less than 2.0 |
| B | 4.5 ± 0.5 | 2.0 ± 0.3 | Less than 2.0 |
| C | 4.5 ± 0.5 | 1.25 ± 0.2 | Less than 1.25 |
| D | 3.2 ± 0.4 | 2.5 ± 0.3 | Less than 1.5 |
| E | 3.2 ± 0.2 | 1.6 ± 0.2 | Less than 1.25 |
| F | 2.0 ± 0.3 | 1.25 ± 0.2 | Less than 1.25 |
| G | 1.6 ± 0.2 | 0.8 ± 0.2 | Less than 1.0 |

RESISTORS

Chip resistor (Carbon)

(EX) R K 7 3 E B 2 B 0 0 0 J
 1 2 3 4 5 6 7

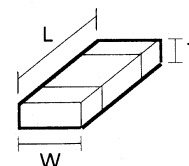
(Chip) (B,F)

Carbon resistor (Normal type)

(EX) R D 1 4 B B 2 C 0 0 0 J
 1 2 3 4 5 6 7

- 1 = Type
- 2 = Shape
- 3 = Dimension
- 4 = Temp. coefficient
- 5 = Rating wattage
- 6 = Value
- 7 = Tolerance

Dimension



Dimension (Chip resistor)

| Dimension code | L | W | T |
|----------------|-----------|------------|-----------|
| E | 3.2 ± 0.2 | 1.6 ± 0.2 | 1.0 |
| F | 2.0 ± 0.3 | 1.25 ± 0.2 | 1.0 |
| G | 1.6 ± 0.2 | 0.8 ± 0.2 | 0.5 ± 0.1 |

Rating wattage

| Code | Wattage | Code | Wattage | Code | Wattage |
|------|---------|------|---------|------|---------|
| 1J | 1/16W | 2C | 1/6W | 3A | 1W |
| 2A | 1/10W | 2E | 1/4W | 3D | 2W |
| 2B | 1/8W | 2H | 1/2W | | |

PC BOARD (Component side view)

1

2

3

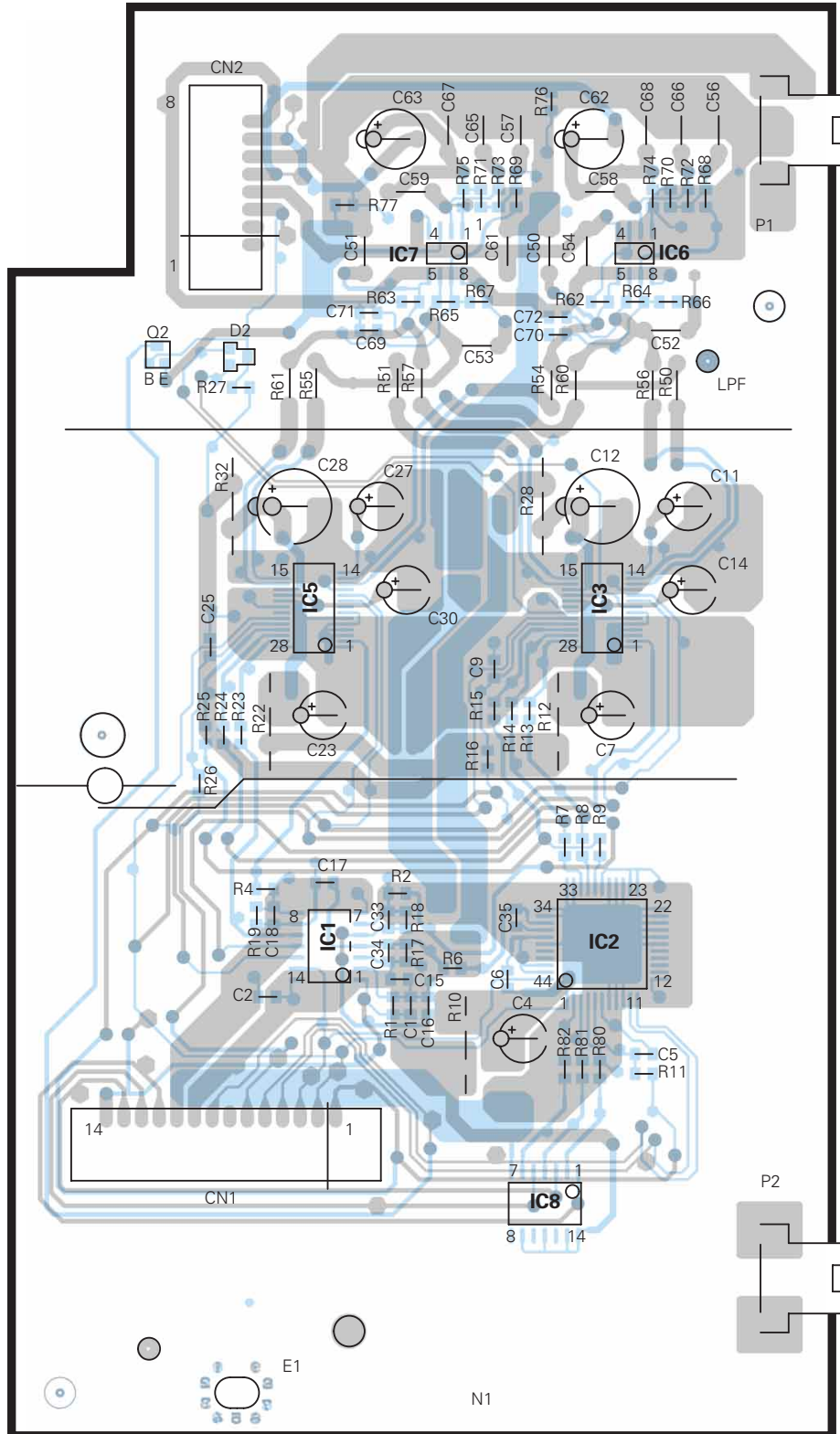
4

5

6

7

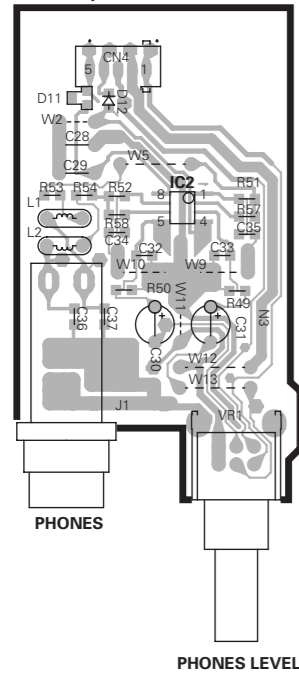
PROCESSOR UNIT X32-3670-00 (70-1240-12)



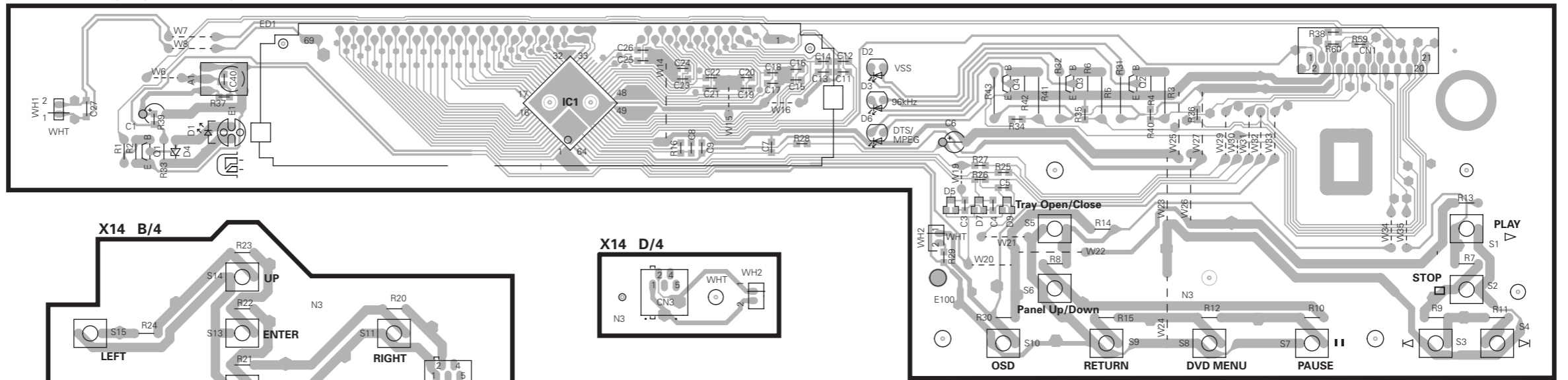
Refer to the schematic diagram for the value of resistors and capacitors.

PC BOARD (Component side view)

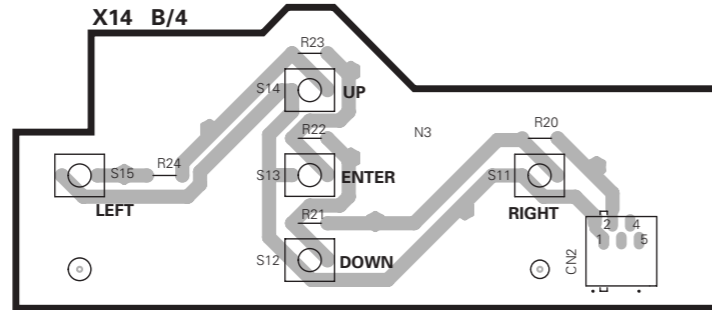
X14 C/4



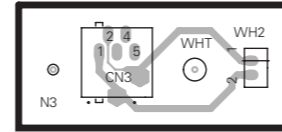
DISPLAY UNIT
X14-4820-00 A/4 (J70-1236-11)



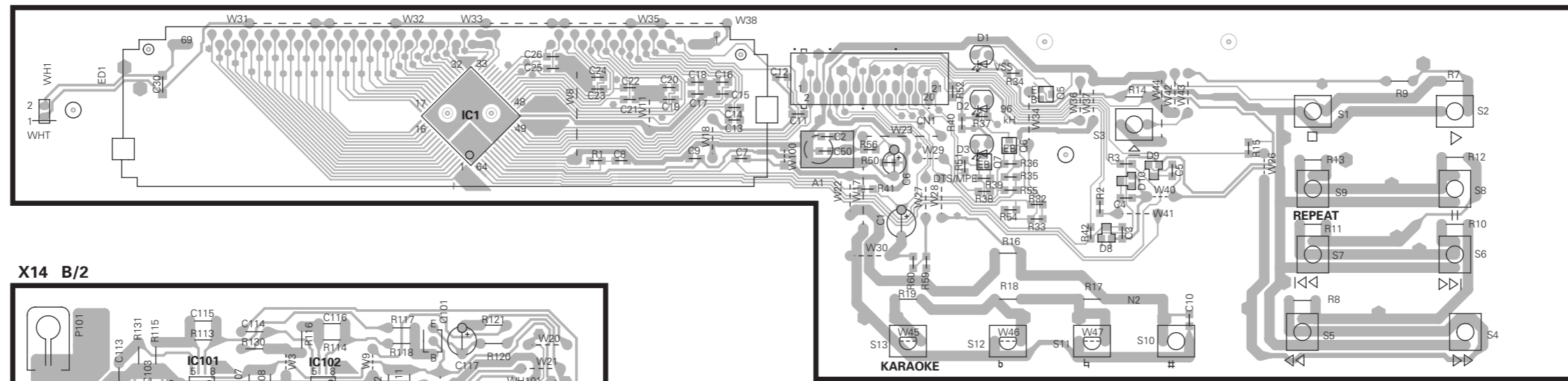
X14 B/4



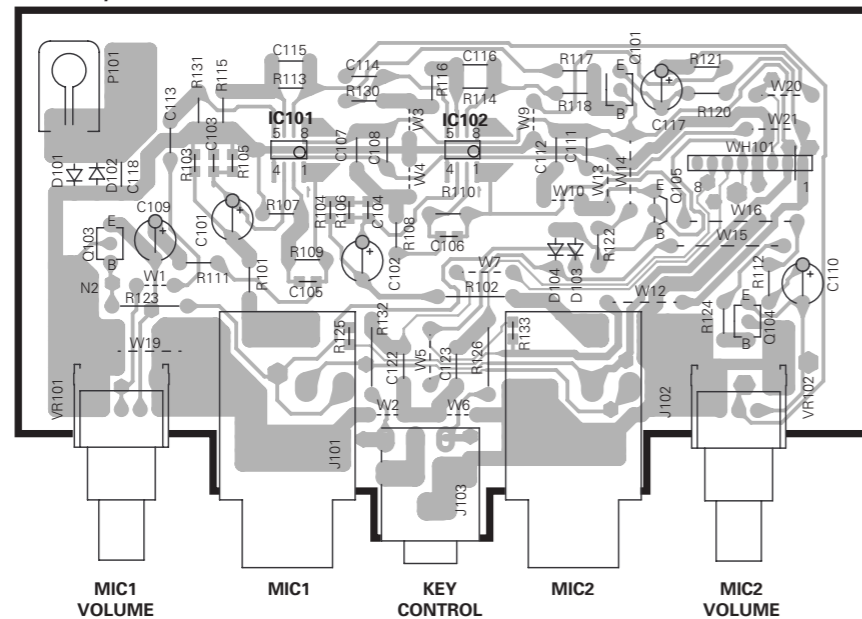
X14 D/4



X14-4830-20 A/2 (J70-1237-11)

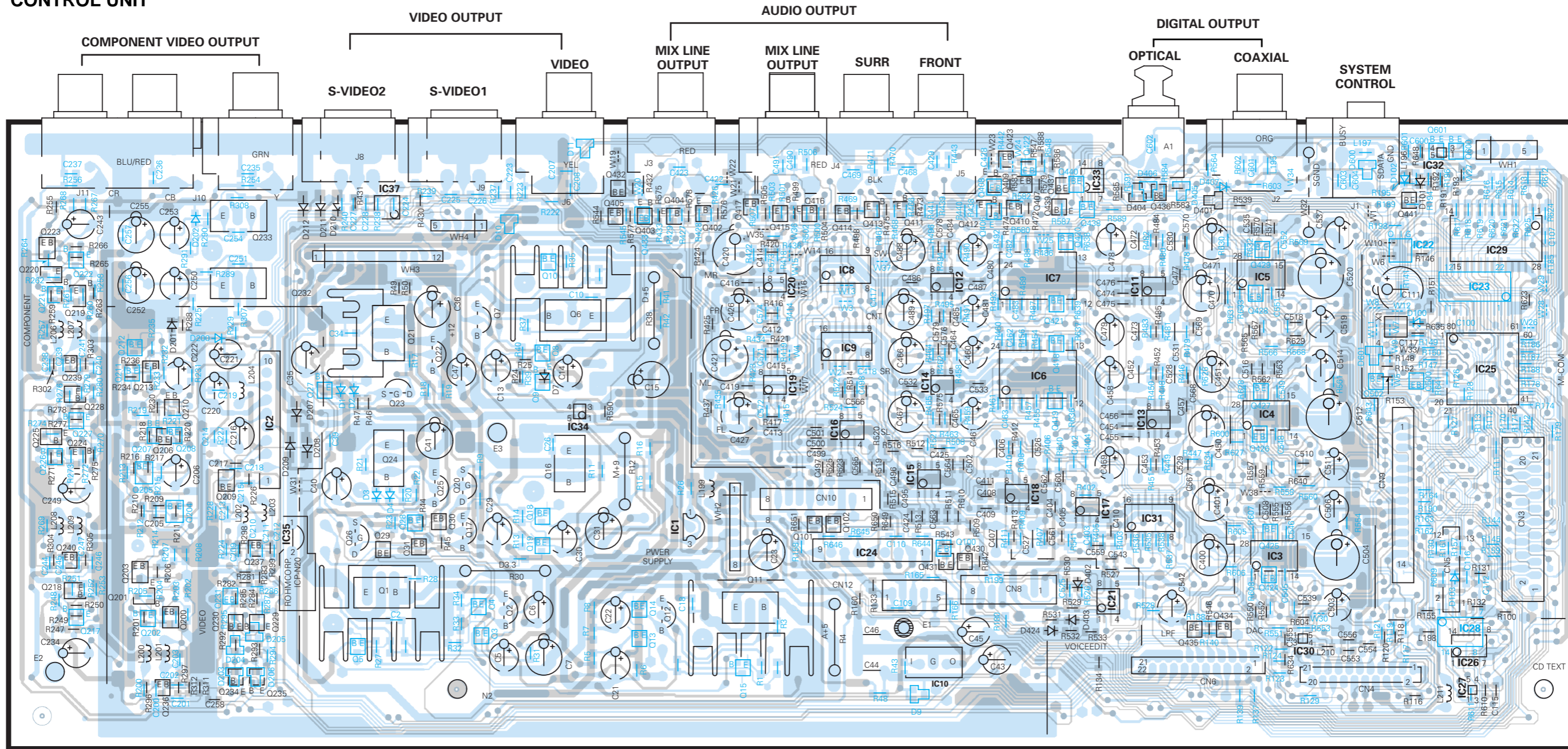


X14 B/2

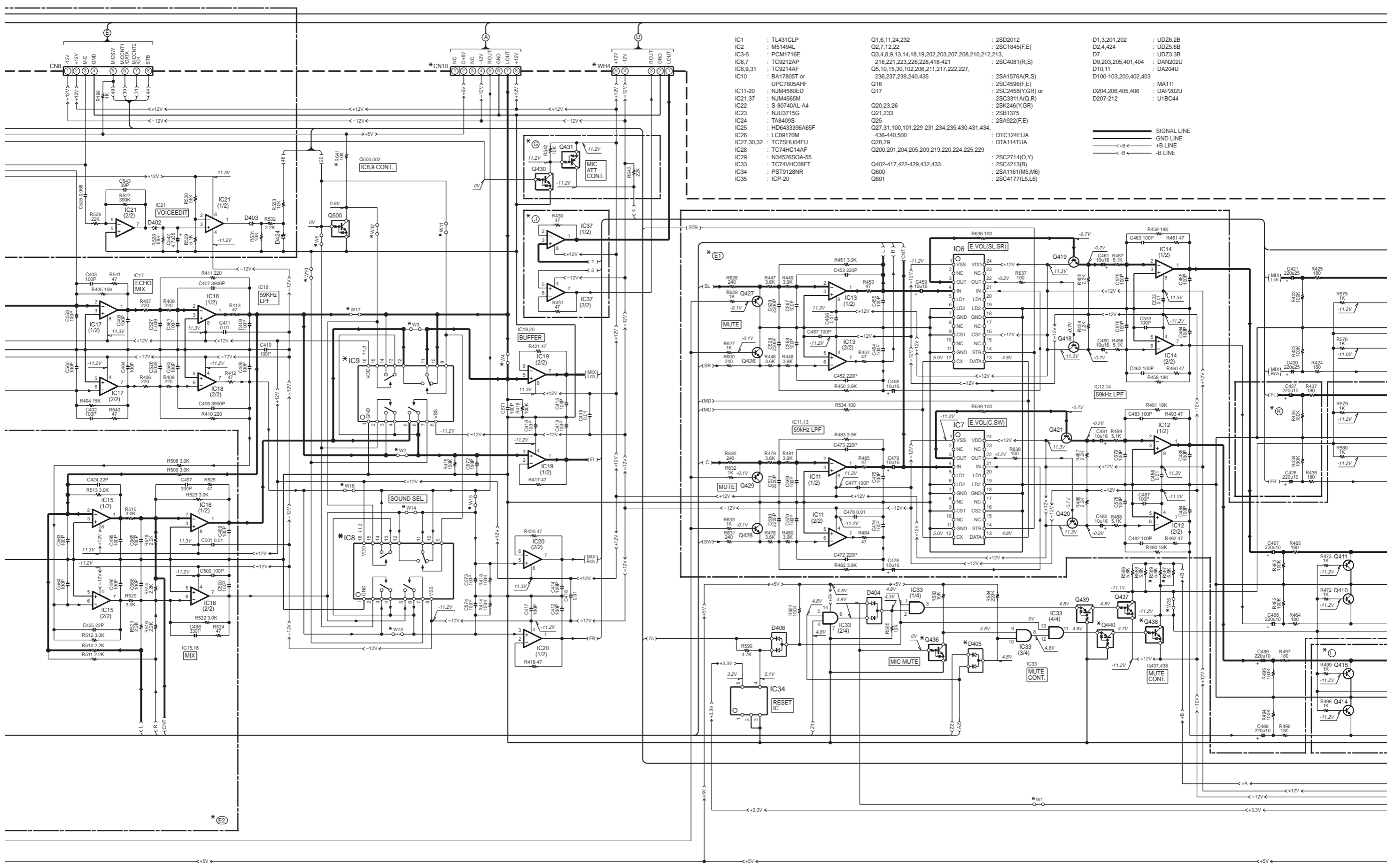


PC BOARD (Component side view)

CONTROL UNIT

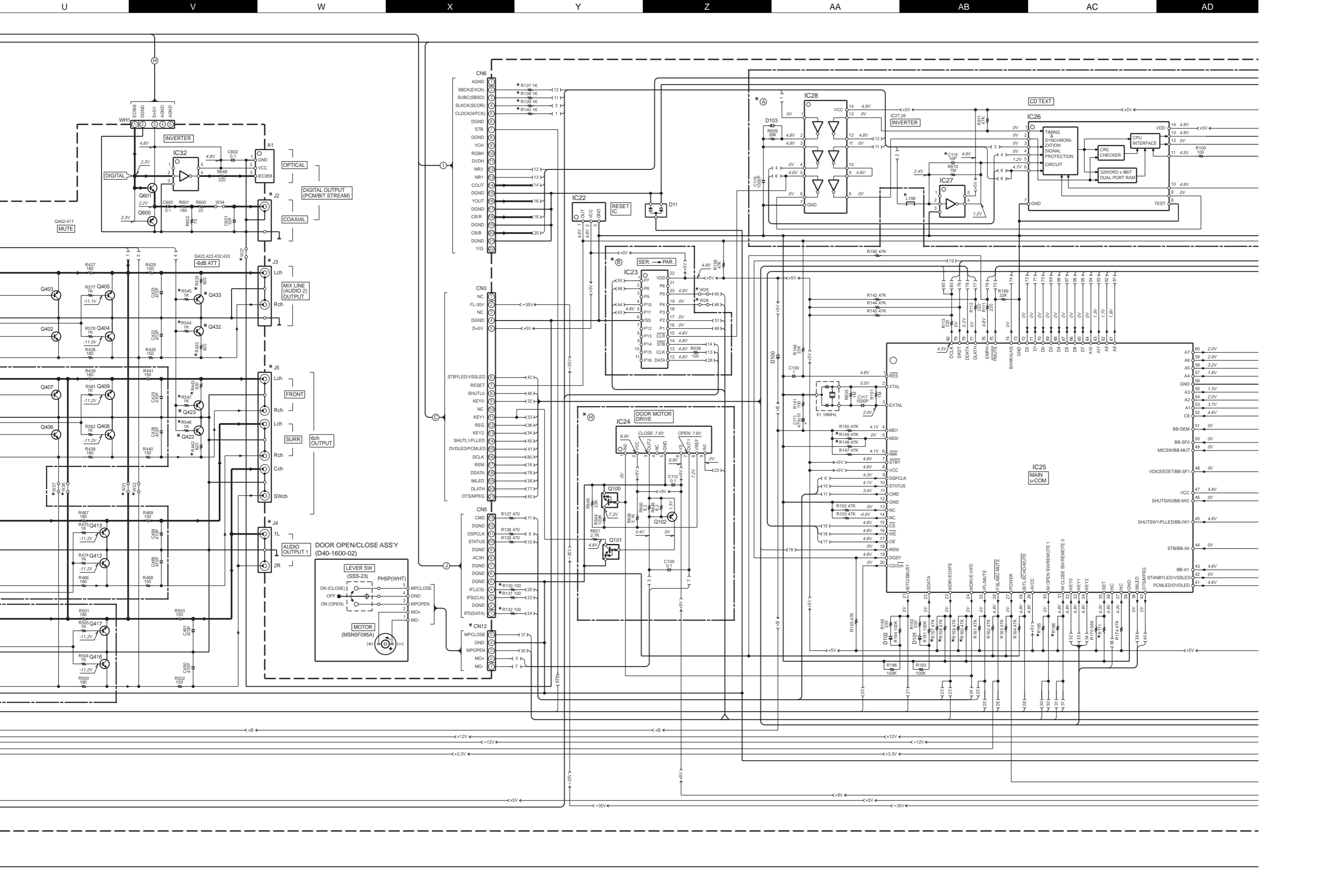


X25-6160-00 (J70-1239-11)



- | | | |
|-------------------------|--|------------------------------|
| IC1 : TL431CLP | Q16 : 2SD2012 | D1,3,201,202 : UD26.2B |
| IC2 : M51494L | Q17 : 2SC1845(F,E) | D2,4,424 : UD25.6B |
| IC3-5 : PCM1716E | Q20,23,26 : 2SC2458(F,E) | D7 : UD23.3B |
| IC6,7 : TC9212AP | Q21,233 : 2SC2458(Y,G,R) or | D9,203,205,401,404 : DAN202U |
| IC8,9,31 : TC9214AF | Q25 : 2SC246(Y,G,R) | D10,11 : DA204U |
| IC10 : BA17805T or | Q27,31,100,101,229-231,234,235,430,431,434,436-440,500 : DTC124EUA | D100-103,200,402,403 : MA111 |
| UPC7805AHF | Q28,29 : DTA114TUA | D204,206,405,406 : DAP202U |
| IC11-20 : NJM4580ED | Q402-417,422-429,432,433 : 2SC2714(O,Y) | D207-212 : U1BC44 |
| IC21,37 : NJM4565M | Q600 : 2SC4213(B) | |
| IC22 : S-80740AL-A4 | Q601 : 2SA1161(M5,M6) | |
| IC23 : NJU3715G | | |
| IC24 : TA8409S | | |
| IC25 : HD6433396A65F | | |
| IC26 : LC89170M | | |
| IC27,30,32 : TC7SHU04FU | | |
| IC28 : TC74HC14AF | | |
| IC29 : N34526SOA-55 | | |
| IC33 : TC74VHC08FT | | |
| IC34 : PST9128NR | | |
| IC35 : ICP-20 | | |

——— SIGNAL LINE
 - - - - - GND LINE
 ——— +B LINE
 ——— -B LINE



Q402-417
MUTE

DIGITAL OUTPUT
(PCM/BIT STREAM)

COAXIAL

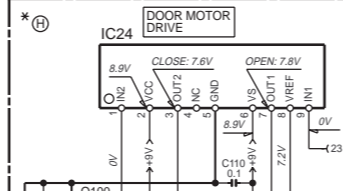
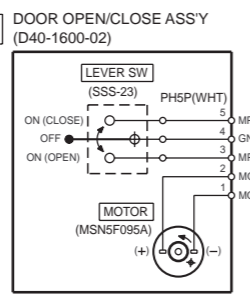
MIX LINE
(AUDIO 2)
OUTPUT

FRONT

SURR

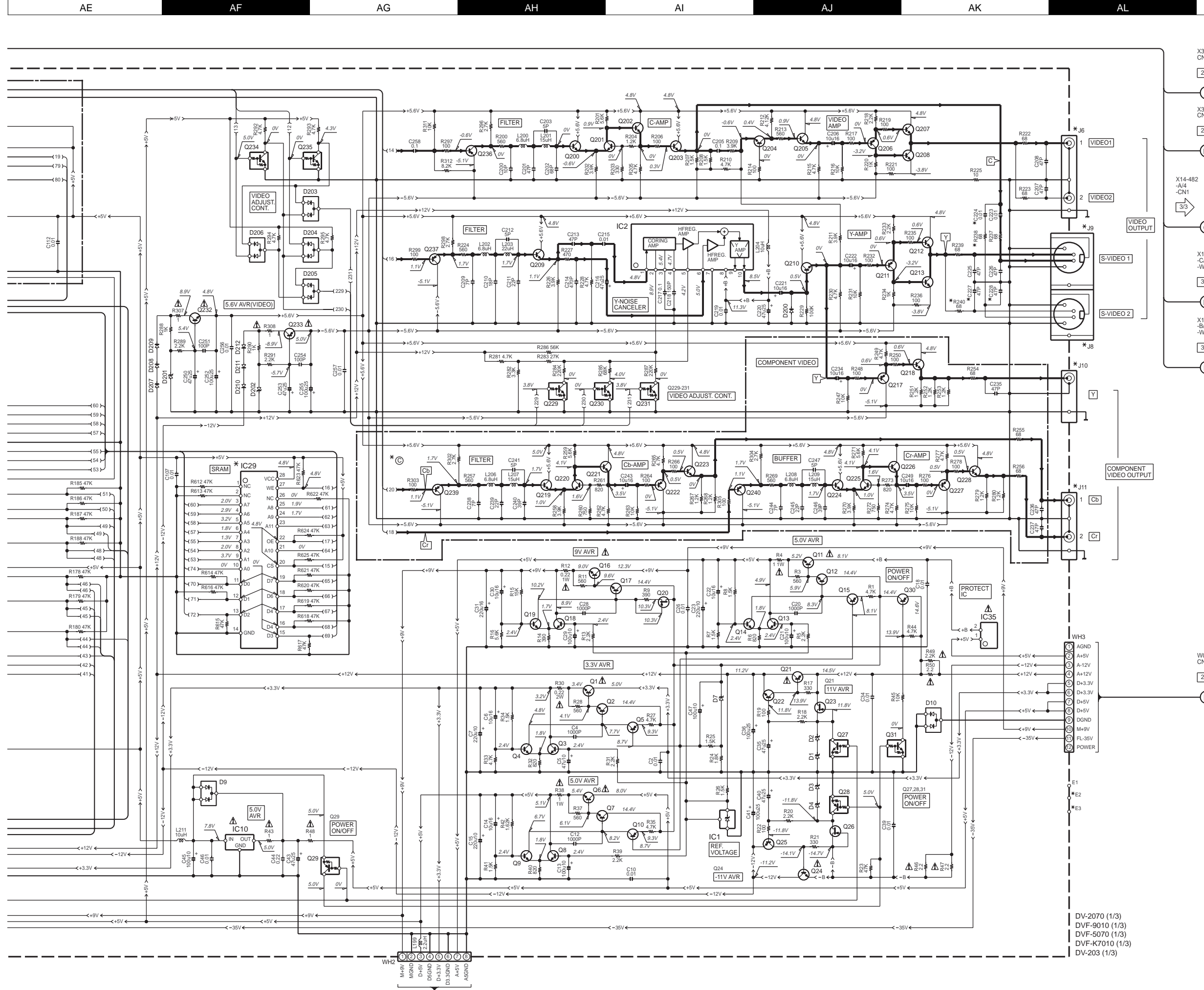
6ch
OUTPUT

AUDIO
OUTPUT 1



CD TEXT

IC25
MAIN
u-COM



- DV-2070 (1/3)
- DVF-9010 (1/3)
- DVF-5070 (1/3)
- DVF-K7010 (1/3)
- DV-203 (1/3)

| DV-2070 (X25-6160-11) | | | | | | | | | | |
|-----------------------|----------|----------|------|-----------|-------------|-------------|---------------|----------------|------------------|------------------|
| DESTINATION | UNIT No. | C115 | C224 | W1-3,9-12 | W2-13,15-17 | W3-18,19 | W4-9,12,15-17 | W5-21,22,25-37 | W6-42,43,432,433 | |
| COUNTRY | ABB | UNIT No. | C115 | C224 | W1-3,9-12 | W2-13,15-17 | W3-18,19 | W4-9,12,15-17 | W5-21,22,25-37 | W6-42,43,432,433 |
| U.S.A. | 98 | 0-11 | YES | NO | YES | NO | YES | NO | YES | NO |

| DVF-9010 (X25-616X-XX) | | | | | | | | | | |
|------------------------|----------|--|--|---|-------------|-------------|---------------|----------------|------------------|------------------|
| DESTINATION | UNIT No. | C115 | C224 | W1-3,9-12 | W2-13,15-17 | W3-18,19 | W4-9,12,15-17 | W5-21,22,25-37 | W6-42,43,432,433 | |
| COUNTRY | ABB | UNIT No. <td>C115 <td>C224 <td>W1-3,9-12</td> <td>W2-13,15-17</td> <td>W3-18,19</td> <td>W4-9,12,15-17</td> <td>W5-21,22,25-37</td> <td>W6-42,43,432,433</td> </td></td> | C115 <td>C224 <td>W1-3,9-12</td> <td>W2-13,15-17</td> <td>W3-18,19</td> <td>W4-9,12,15-17</td> <td>W5-21,22,25-37</td> <td>W6-42,43,432,433</td> </td> | C224 <td>W1-3,9-12</td> <td>W2-13,15-17</td> <td>W3-18,19</td> <td>W4-9,12,15-17</td> <td>W5-21,22,25-37</td> <td>W6-42,43,432,433</td> | W1-3,9-12 | W2-13,15-17 | W3-18,19 | W4-9,12,15-17 | W5-21,22,25-37 | W6-42,43,432,433 |
| U.S.A. | 98 | 0-11 | YES | NO | YES | NO | YES | NO | YES | NO |

| DV-203 (X25-6160-12) | | | | | | | | | | |
|----------------------|----------|--|--|---|-----------|----------|----------------|------------------|------------------|----------------|
| DESTINATION | UNIT No. | C115 | C224 | W1-3,9-14 | W4-15-17 | W5-18,19 | W6-21,22,25-37 | W7-42,43,432,433 | W8-436,438,440 | |
| COUNTRY | ABB | UNIT No. <td>C115 <td>C224 <td>W1-3,9-14</td> <td>W4-15-17</td> <td>W5-18,19</td> <td>W6-21,22,25-37</td> <td>W7-42,43,432,433</td> <td>W8-436,438,440</td> </td></td> | C115 <td>C224 <td>W1-3,9-14</td> <td>W4-15-17</td> <td>W5-18,19</td> <td>W6-21,22,25-37</td> <td>W7-42,43,432,433</td> <td>W8-436,438,440</td> </td> | C224 <td>W1-3,9-14</td> <td>W4-15-17</td> <td>W5-18,19</td> <td>W6-21,22,25-37</td> <td>W7-42,43,432,433</td> <td>W8-436,438,440</td> | W1-3,9-14 | W4-15-17 | W5-18,19 | W6-21,22,25-37 | W7-42,43,432,433 | W8-436,438,440 |
| U.S.A. | 95 | 0-12 | YES | NO | YES | NO | YES | NO | YES | NO |

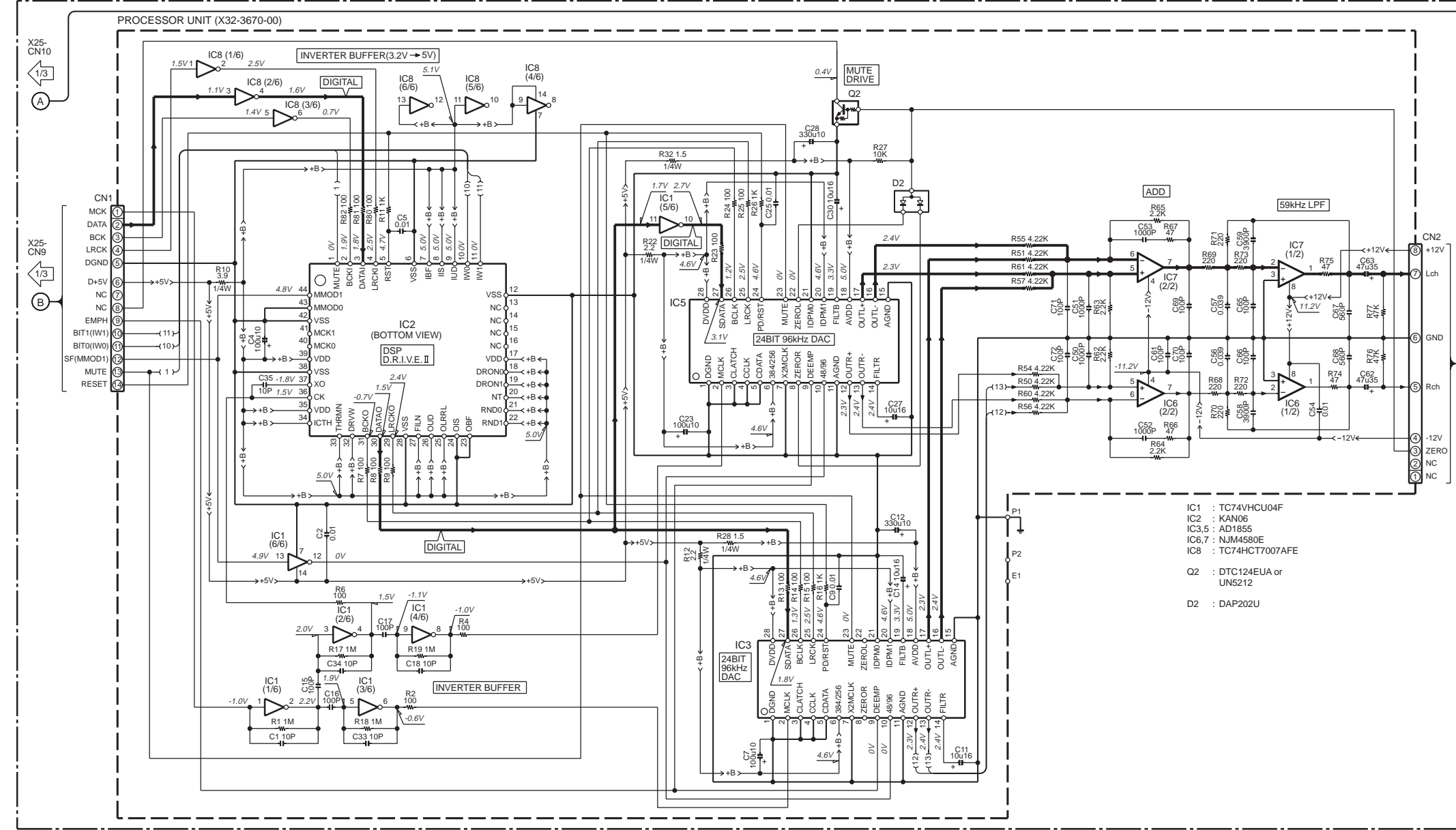
| DVF-K7010 (X25-6160-22) | | | | | | | | | | |
|-------------------------|----------|---|---|--|---------------|---------------|----------------|------------------|------------------|----------------|
| DESTINATION | UNIT No. | C115 | C224 | W1-3,9-13 | W4-9,12,15-17 | W5-18,19 | W6-21,22,25-37 | W7-42,43,432,433 | W8-436,438,440 | |
| COUNTRY | ABB | UNIT No. <td>C115 <td>C224 <td>W1-3,9-13</td> <td>W4-9,12,15-17</td> <td>W5-18,19</td> <td>W6-21,22,25-37</td> <td>W7-42,43,432,433</td> <td>W8-436,438,440</td> </td></td> | C115 <td>C224 <td>W1-3,9-13</td> <td>W4-9,12,15-17</td> <td>W5-18,19</td> <td>W6-21,22,25-37</td> <td>W7-42,43,432,433</td> <td>W8-436,438,440</td> </td> | C224 <td>W1-3,9-13</td> <td>W4-9,12,15-17</td> <td>W5-18,19</td> <td>W6-21,22,25-37</td> <td>W7-42,43,432,433</td> <td>W8-436,438,440</td> | W1-3,9-13 | W4-9,12,15-17 | W5-18,19 | W6-21,22,25-37 | W7-42,43,432,433 | W8-436,438,440 |
| U.S.A. | 95 | 0-12 | YES | NO | YES | NO | YES | NO | YES | NO |

| DVF-5010 (X25-6160-23) | | | | | | | | | | |
|------------------------|----------|--|--|---|-----------------|----------------|------------------|------------------|----------------|----------------|
| DESTINATION | UNIT No. | C115 | C224 | W1-3,9-12,15-17 | W2,3,13,14 | W4,22,23,25,37 | W5-42,43,432,433 | W6-436,438,440 | W7-474,475,476 | |
| COUNTRY | ABB | UNIT No. <td>C115 <td>C224 <td>W1-3,9-12,15-17</td> <td>W2,3,13,14</td> <td>W4,22,23,25,37</td> <td>W5-42,43,432,433</td> <td>W6-436,438,440</td> <td>W7-474,475,476</td> </td></td> | C115 <td>C224 <td>W1-3,9-12,15-17</td> <td>W2,3,13,14</td> <td>W4,22,23,25,37</td> <td>W5-42,43,432,433</td> <td>W6-436,438,440</td> <td>W7-474,475,476</td> </td> | C224 <td>W1-3,9-12,15-17</td> <td>W2,3,13,14</td> <td>W4,22,23,25,37</td> <td>W5-42,43,432,433</td> <td>W6-436,438,440</td> <td>W7-474,475,476</td> | W1-3,9-12,15-17 | W2,3,13,14 | W4,22,23,25,37 | W5-42,43,432,433 | W6-436,438,440 | W7-474,475,476 |
| U.S.A. | 95 | 0-23 | YES | NO | YES | NO | YES | NO | YES | NO |

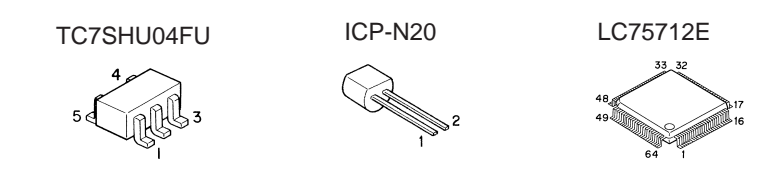
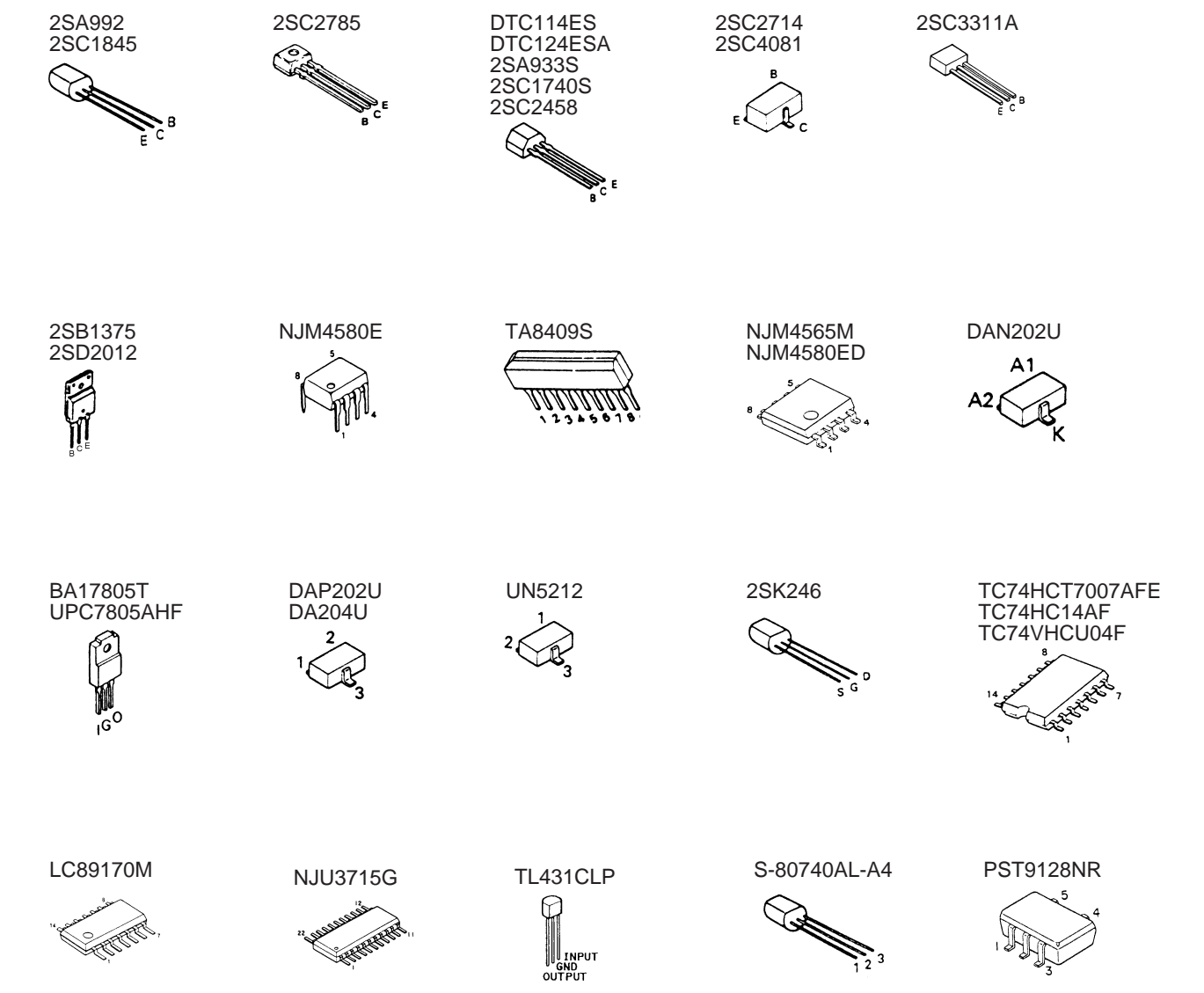
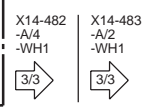
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock,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

The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded at playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.

DV-203/2070/DVF-5010/9010/K7010

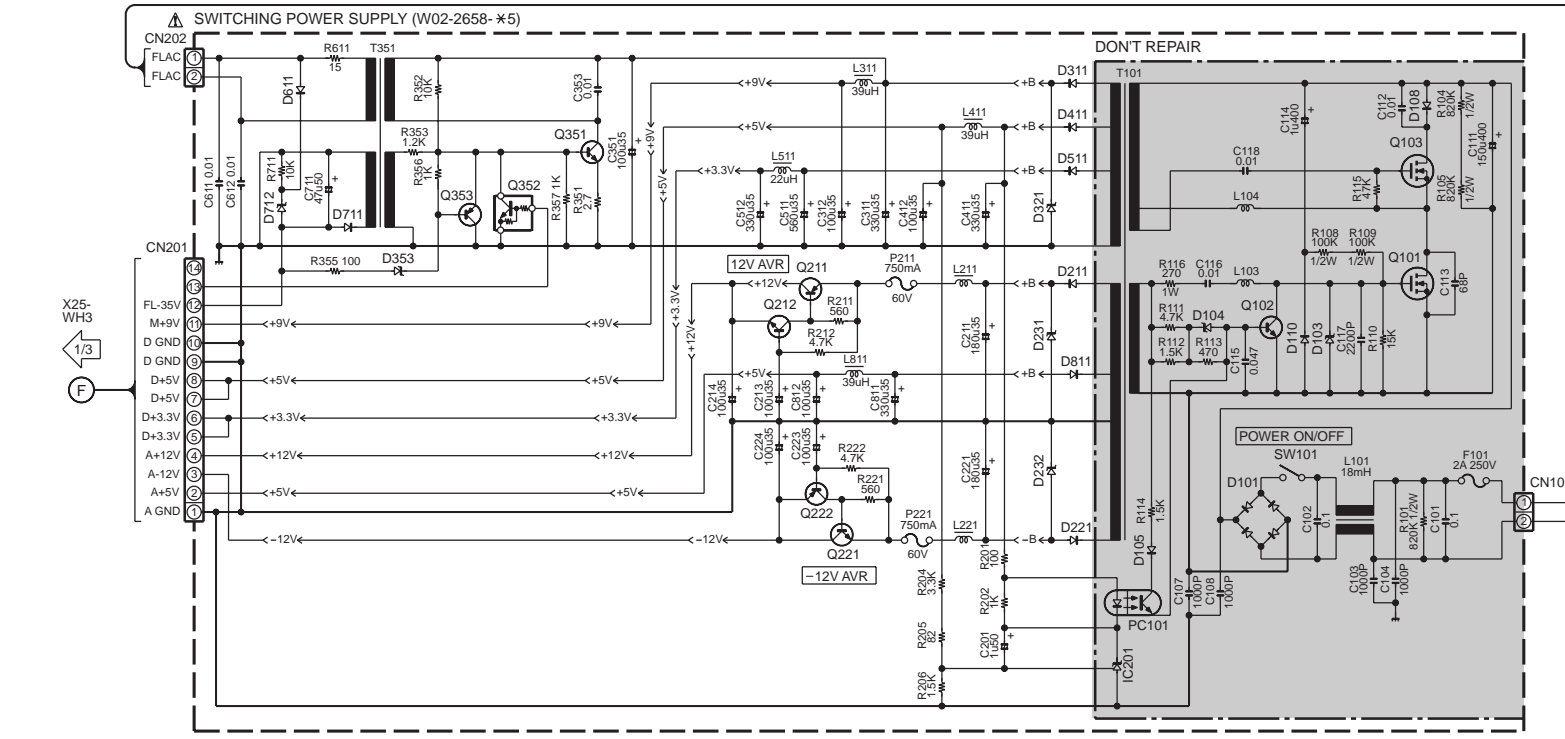


- IC1 : TCT4VHCU04F
- IC2 : K4N06
- IC3,5 : AD1855
- IC6,7 : NJM4580E
- IC8 : TCT4HC17007AFE
- Q2 : DTC124EUA or UN5212
- D2 : DAP202U

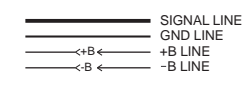


CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock,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

The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded at playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.



- Q211 : 2SB1566
- Q212 : 2SC1740S
- Q221,351 : 2SD2395
- Q222,353 : 2SA933S
- Q352 : DTC114ES
- D101 : S1WBA60
- D103 : RD18FB2
- D104 : MTZJ2.0B
- D105,611 : 1SS270A
- D108,110 : D1N60
- D211,221 : 11EQS10
- D231 : MTZJ5.6C
- D232 : MTZJ3.0C
- D311 : S2L20U
- D321 : MTZJ15B
- D353 : MTZJ39B
- D411,811 : 21DQ06
- D511 : D3SAM
- D611 : 1SS270A
- D711 : 10ELS2
- D712 : MTZJ12A
- PC101 : TLP721F



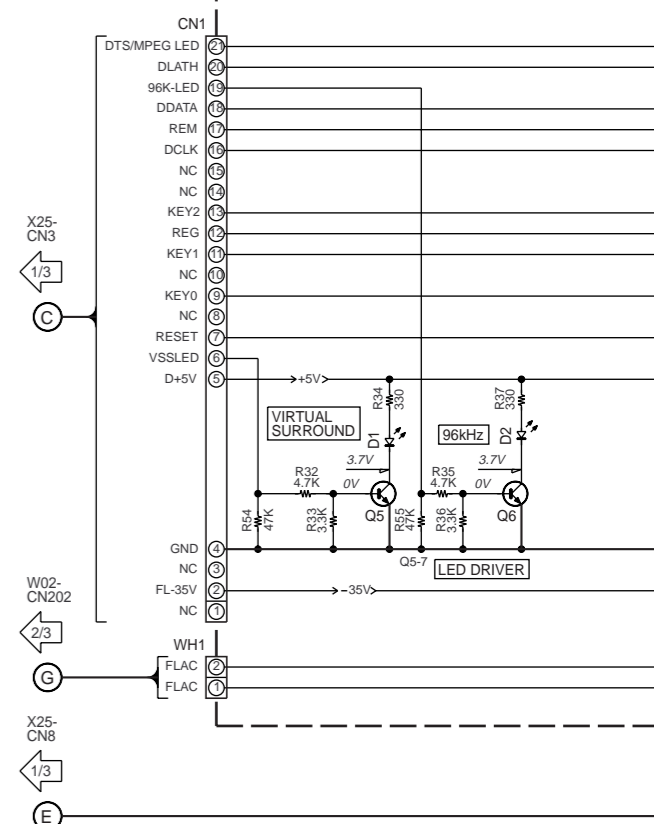
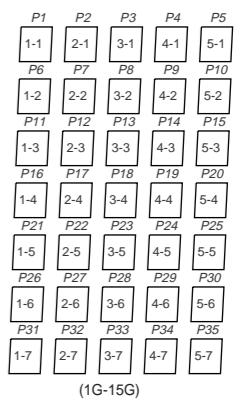
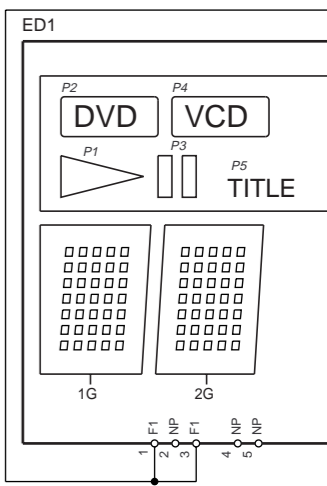
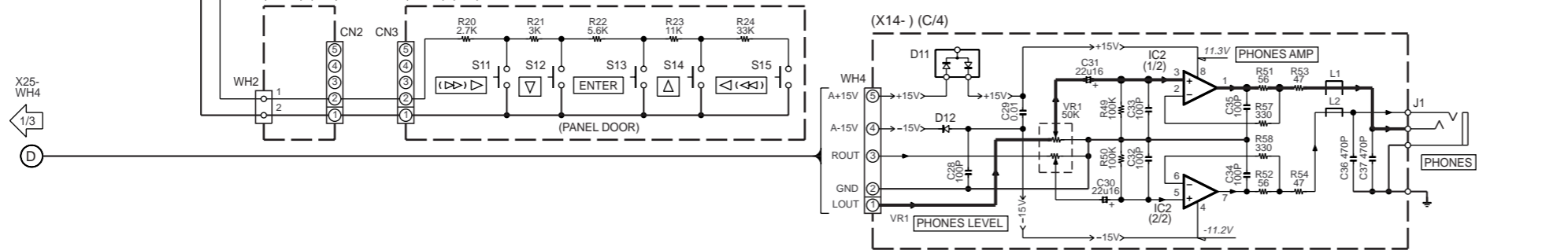
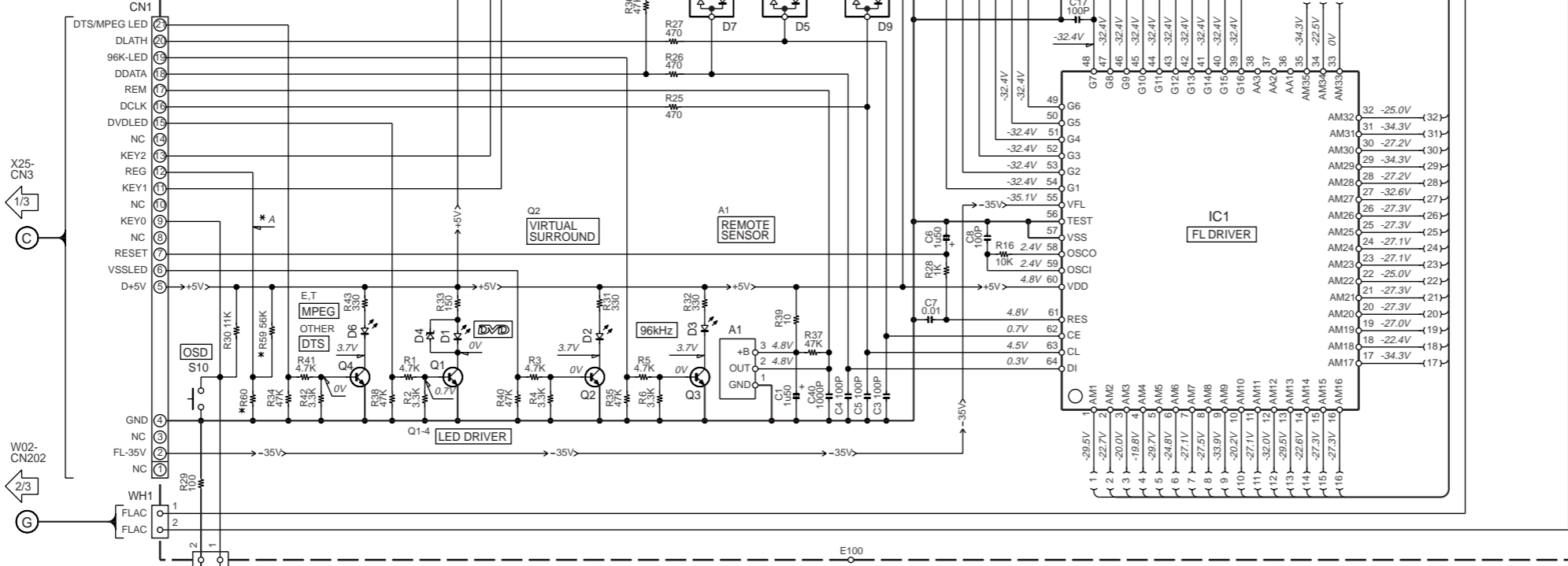
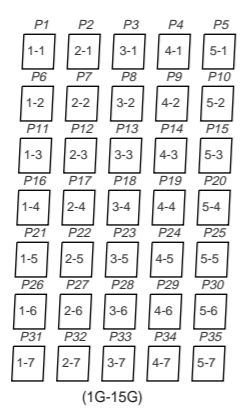
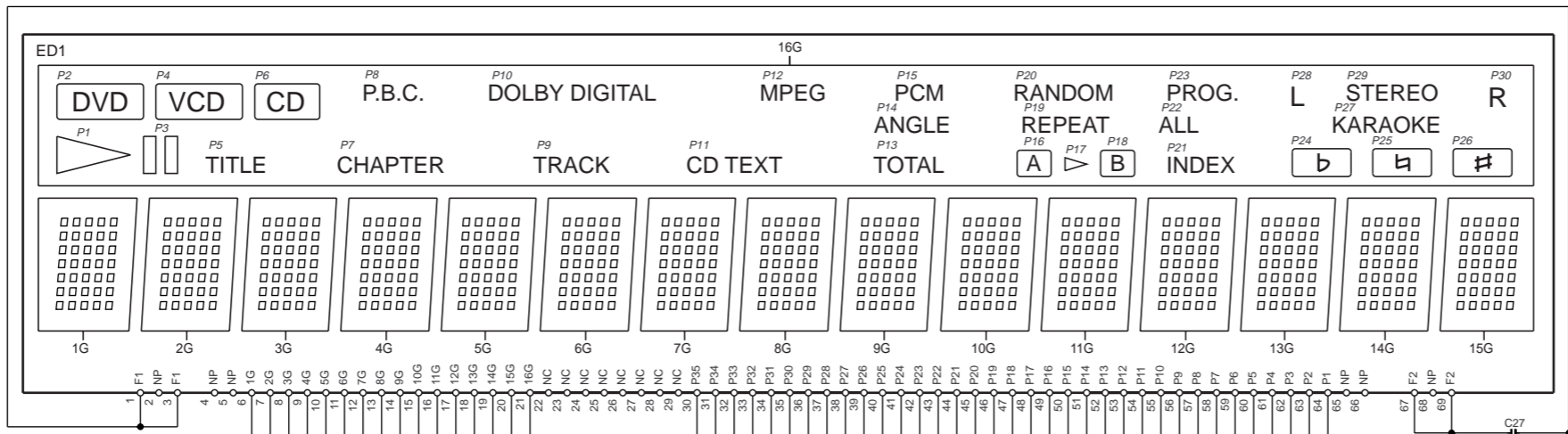
- (K) : AC120V 60Hz
- (Y.M) : AC110-120V/220-240V-50/60Hz
- (E) : AC230V-50Hz
- (C) : AC220V-50Hz

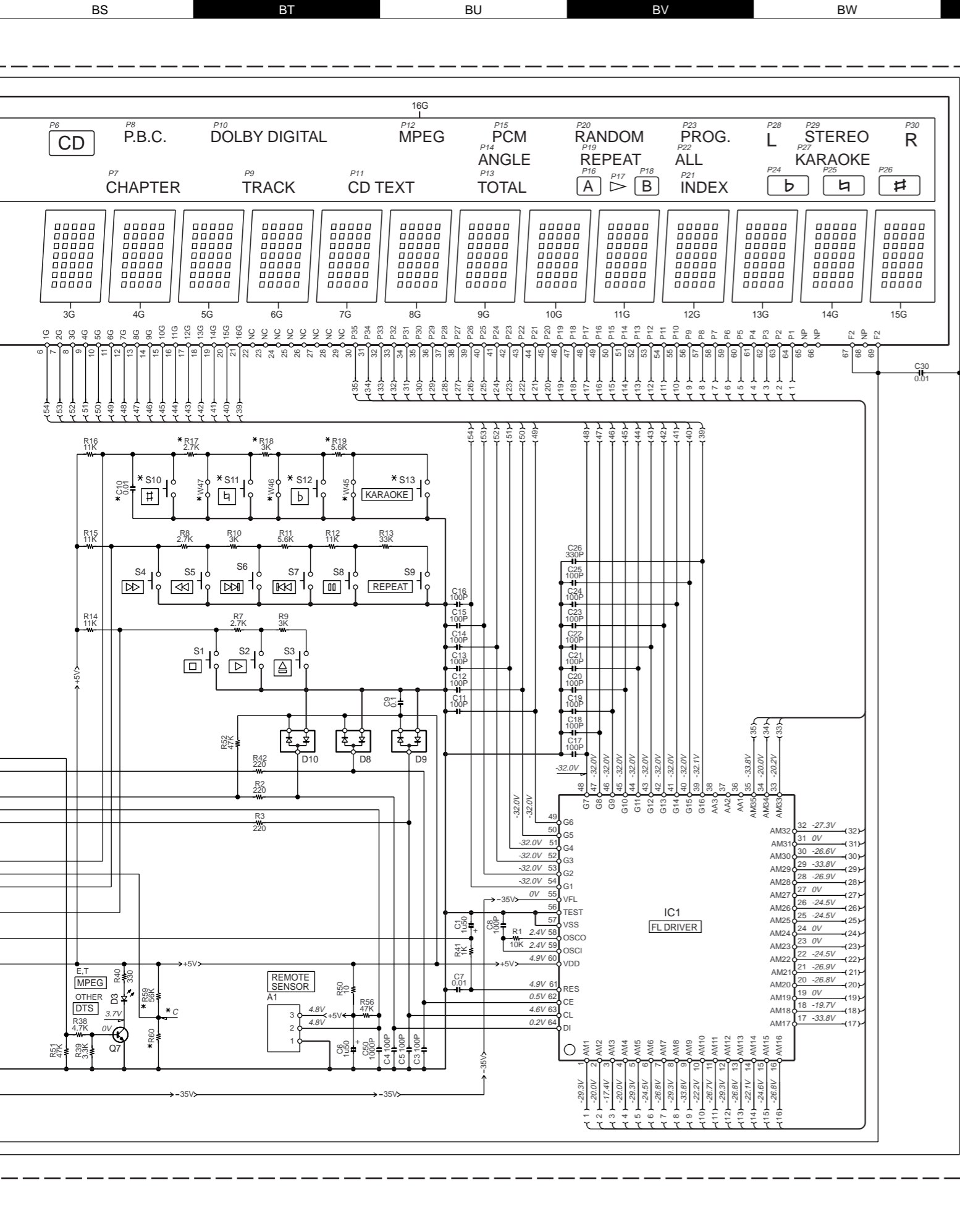
- DV-2070 (2/3)
- DVF-9010 (2/3)
- DVF-5070 (2/3)
- DVF-K7010 (2/3)
- DV-203 (2/3)

| DVF-9010 (X14-482X-XX) | | | | | | |
|------------------------|---------|------|----------|-----|------|--------|
| DESTINATION | COUNTRY | ABB. | UNIT No. | R59 | R60 | A |
| PX | Y | | 0-11 | YES | 100K | +3.2V |
| GENERAL MARKET | M | | 0-21 | NO | 27K | +1.62V |
| GENERAL MARKET | M2 | | 0-22 | NO | | 0V |
| U.K. | T | | | | 56K | |
| EUROPE | E | | 2-71 | YES | | +2.5V |

| DV-2070 (X14-4820-11) | | | | | | |
|-----------------------|---------|------|----------|-----|------|-------|
| DESTINATION | COUNTRY | ABB. | UNIT No. | R59 | R60 | A |
| U.S.A. | K | | 0-11 | YES | 100K | +3.2V |

- IC1 : LC75712E
- IC2 : NJM4580E
- Q1-4 : 2SC1740S(Q,R) or 2SC2785(F,E)
- D1 : B30-2526-05
- D2,3,6 : B30-2430-05
- D4 : RD5.6ES(B2) or HZS5.6N(B2)
- D5,7,9 : DA204U
- D11 : DAP204U
- D12 : MA111
- ED1 : 16-ST-20GK
- A1 : W02-2571-05





DVF-5010 (X14-483X-XX)

| DESTINATION | COUNTRY | ABB. | UNIT No. | R17-19 | R59 | R60 | S10-13 | C10 | W45-47 | C |
|----------------|---------|------|----------|--------|-----|-----|--------|-----|--------|--------|
| GENERAL MARKET | M | | 0-21 | | YES | 27K | | | NO | +1.62V |
| GENERAL MARKET | M2 | | 0-22 | NO | | | NO | NO | | 0V |
| U.K. | T | | | | YES | 56K | | | | +2.5V |
| EUROPE | E | | 2-71 | | | | | | | |

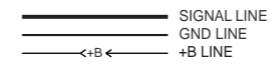
DVF-K7010 (X14-483X-XX)

| DESTINATION | COUNTRY | ABB. | UNIT No. | R17-19 | R59 | R60 | S10-13 | C10 | W45-47 | C |
|----------------|---------|------|----------|--------|-----|-----|--------|-----|--------|--------|
| GENERAL MARKET | M | | 0-20 | YES | YES | 27K | YES | NO | NO | +1.62V |
| CHINA | C | | 3-01 | | | 12K | | | | +0.88V |

DV-203 (X14-4830-11)

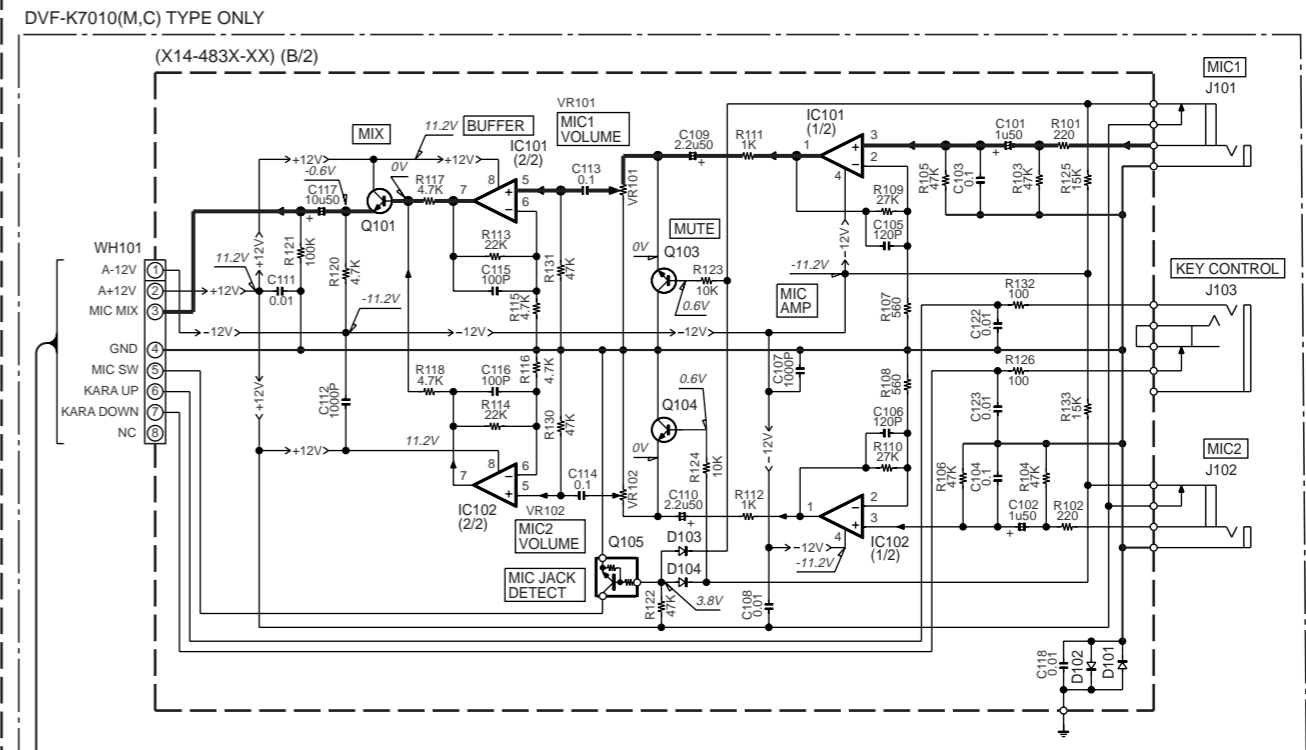
| DESTINATION | COUNTRY | ABB. | UNIT No. | R17-19 | R59 | R60 | S10-13 | C10 | W45-47 | C |
|-------------|---------|------|----------|--------|-----|------|--------|-----|--------|-------|
| U.S.A. | K | | 0-11 | NO | YES | 100K | NO | YES | YES | +3.2V |

- IC1 : LC75712E
- IC101,102 : NJM4580ED
- Q5-7 : 2SC4081(R,S)
- Q101,103,104 : 2SC1740S(Q,R) or 2SC2785(F,E)
- Q105 : DTC124ESA
- D1-3 : B30-2430-05
- D8-10 : DA204U
- D101-104 : 1SS133 or HSS104
- ED1 : 16-ST-20GK
- A1 : W02-2571-05



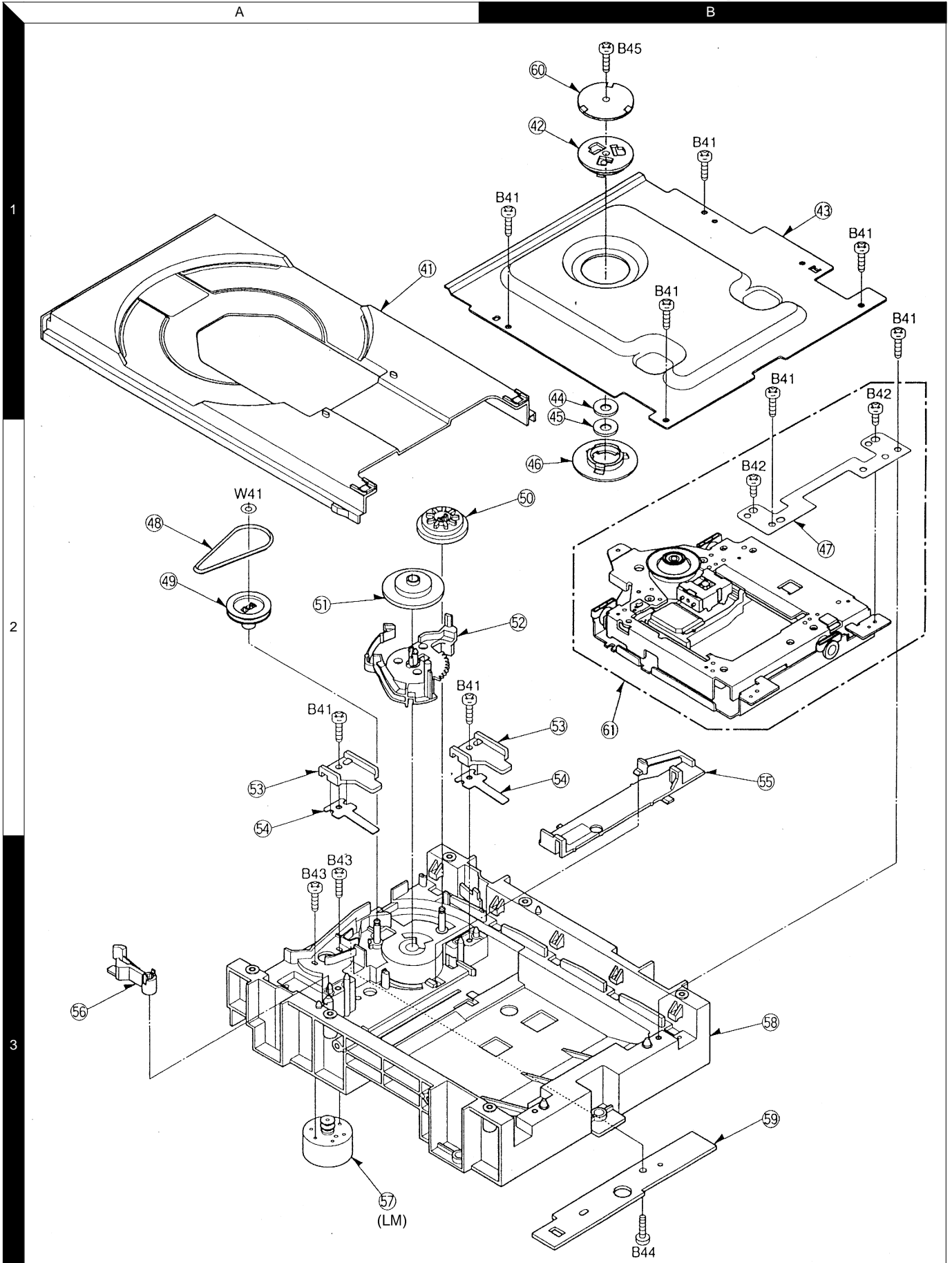
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock,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

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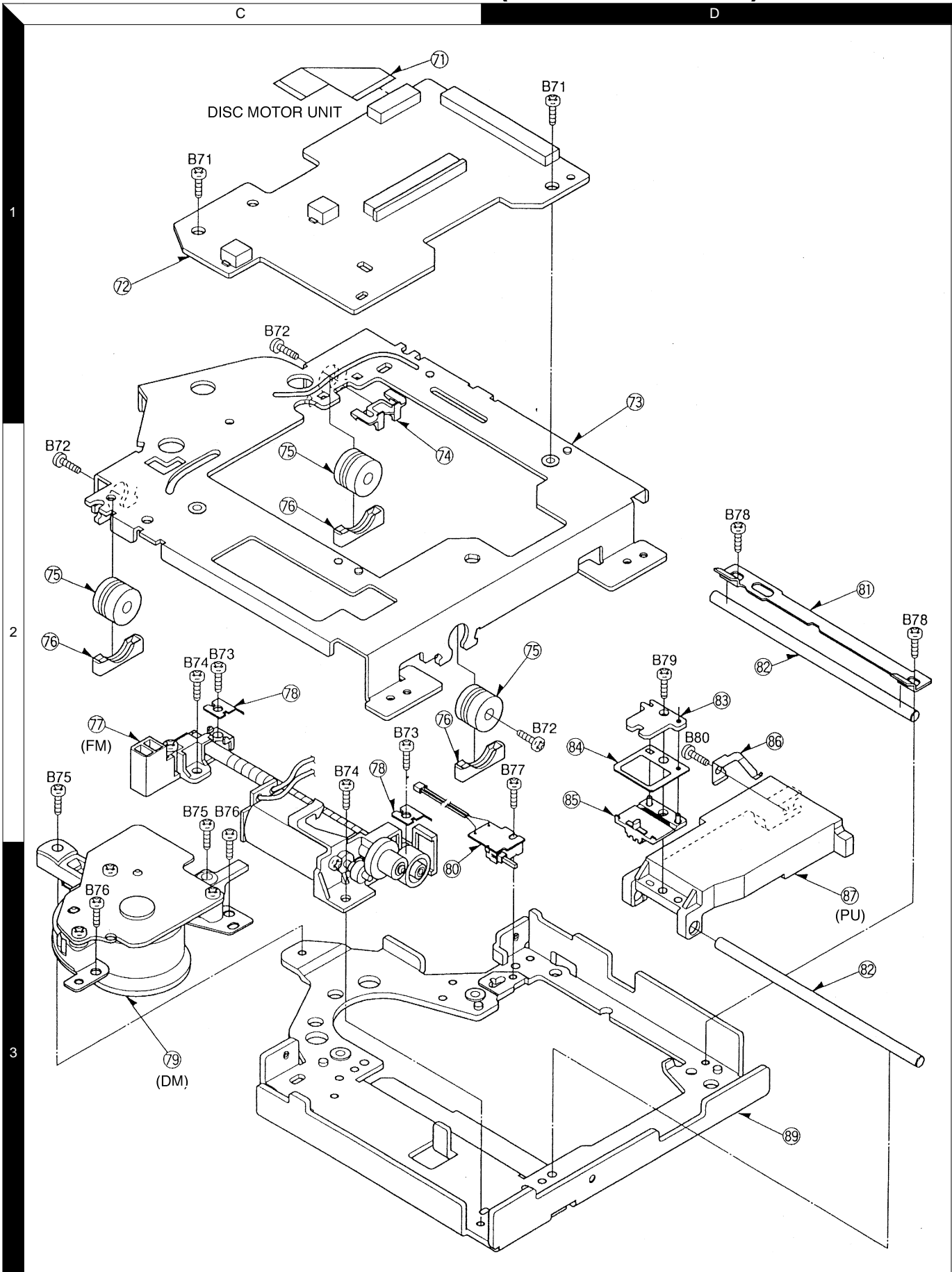
- DV-2070 (3/3)
- DVF-9010 (3/3)
- DVF-5010 (3/3)
- DVF-K7010 (3/3)
- DV-203 (3/3)

EXPLODED VIEW (MECHANISM : 1)



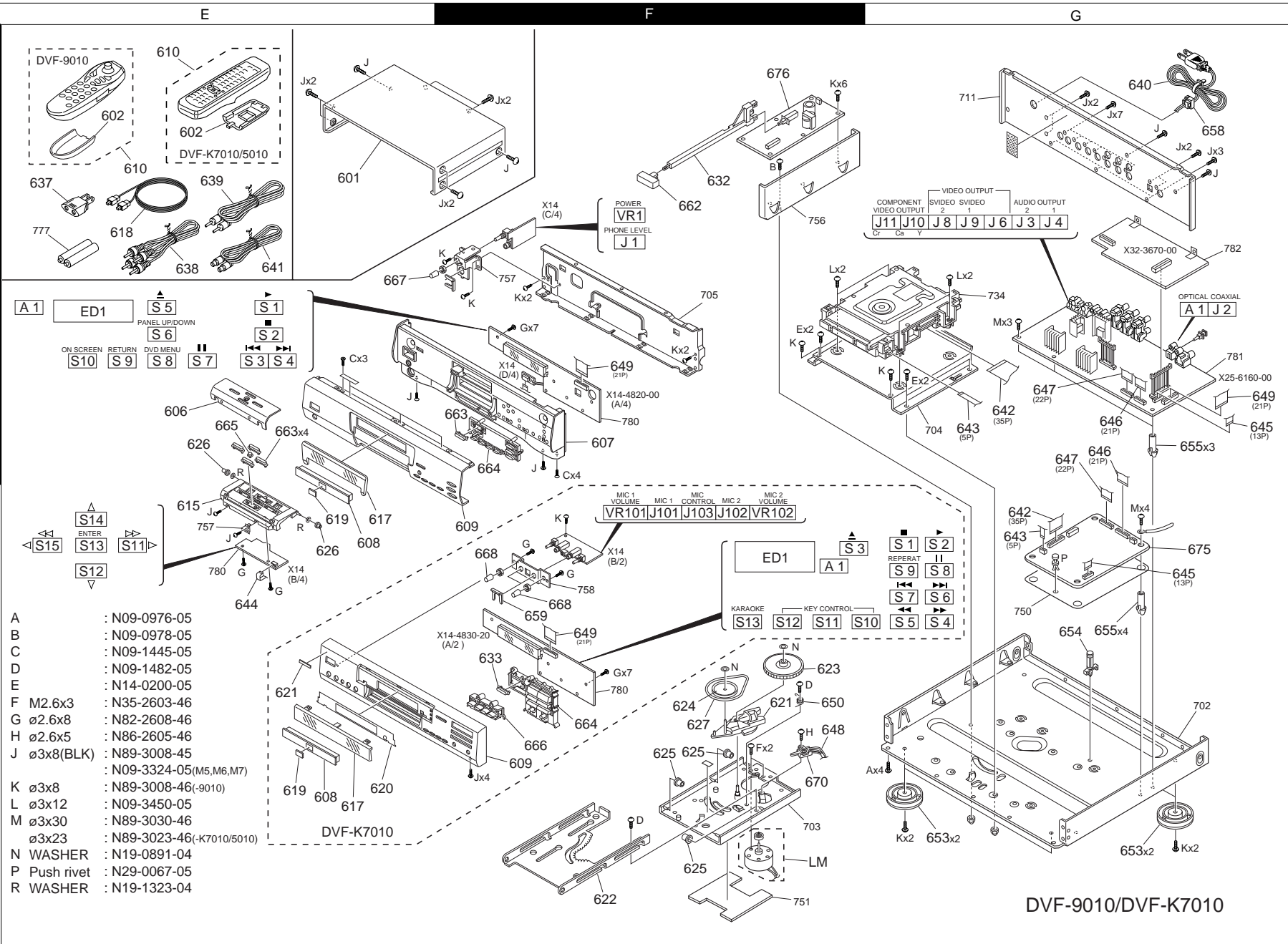
Parts with exploded view numbers larger than 700 are not supplied.

EXPLODED VIEW (MECHANISM : 2)



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

EXPLODED VIEW (UNIT)



- A : N09-0976-05
- B : N09-0978-05
- C : N09-1445-05
- D : N09-1482-05
- E : N14-0200-05
- F M2.6x3 : N35-2603-46
- G ϕ 2.6x8 : N82-2608-46
- H ϕ 2.6x5 : N86-2605-46
- J ϕ 3x8(BLK) : N89-3008-45
- K ϕ 3x8 : N09-3324-05(M5,M6,M7)
- L ϕ 3x12 : N09-3450-05
- M ϕ 3x30 : N89-3030-46
- N WASHER : N89-3023-46(-K7010/5010)
- P Push rivet : N19-0891-04
- R WASHER : N19-1323-04

* 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.

①

| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|-------------------------|----------|-----------|-------------|-------------------------------|--------------|----------|
| DV-2070/DVF-9010 | | | | | | |
| 601 | 1E | * | A01-3625-01 | METALLIC CABINET | | |
| 602 | 1E | * | A09-1124-08 | BATTERY COVER | | |
| 606 | 1F | * | A21-3693-13 | DRESSING PANEL | | |
| 607 | 1F | * | A22-1809-01 | SUB PANEL | | |
| 608 | 2E | * | A29-1017-03 | PANEL TRAY | | |
| 609 | 2F | * | A60-1474-02 | PANEL FRONT | M9 | |
| 609 | 2F | * | A60-1544-02 | PANEL FRONT | K9 | |
| 609 | 2F | * | A60-1547-02 | PANEL FRONT | Y9 | |
| 609 | 2F | * | A60-1548-02 | PANEL FRONT | MOT9E9 | |
| 610 | 1E | * | A70-1227-05 | REMOTE CONTROL ASSY(RC-D0705) | | |
| 615 | 2E | * | B07-2420-12 | ESCUTCHEON | | |
| 617 | 2E | * | B10-3404-13 | FRONT GLASS | K9Y9M9 | |
| 617 | 2E | * | B10-3427-13 | FRONT GLASS | MOT9E9 | |
| 618 | 1E | * | B19-1529-05 | OPTICAL FIBER | | |
| 619 | 2E | * | B43-0309-04 | BADGE | | |
| - | | | B46-0197-00 | QUESTIONNAIRE CARD | K9 | |
| - | | | B46-0310-03 | WARRANTY CARD | T9E9 | |
| - | | | B46-0319-00 | QUESTIONNAIRE CARD | T9 | |
| - | | | B46-0328-03 | WARRANTY CARD | K9Y9 | |
| - | | | B46-0336-03 | WARRANTY CARD | K9 | |
| - | | | B58-0945-03 | CAUTION CARD | T9 | |
| - | | | B59-1104-00 | SERVICE DIRECTORY | Y9 | |
| - | | * | B60-3924-00 | INSTRUCTION MANUAL(EN) | K9 | |
| - | | * | B60-3925-00 | INSTRUCTION MANUAL(FR) | K9 | |
| - | | * | B60-3926-00 | INSTRUCTION MANUAL(EN) | Y9 | |
| - | | * | B60-3927-00 | INSTRUCTION MANUAL(EN) | M9 | |
| - | | * | B60-3928-00 | INSTRUCTION MANUAL(EN) | MOT9E9 | |
| - | | * | B60-3929-00 | INSTRUCTION MANUAL(FR) | E9 | |
| - | | * | B60-3930-00 | INSTRUCTION MANUAL(GE) | E9 | |
| - | | * | B60-3931-00 | INSTRUCTION MANUAL(NE) | E9 | |
| - | | * | B60-3932-00 | INSTRUCTION MANUAL(IT) | E9 | |
| - | | * | B60-4035-00 | INSTRUCTION MANUAL(ES) | E9 | |
| - | | * | B60-4036-00 | INSTRUCTION MANUAL(TC) | M9 | |
| 621 | 2F | | D10-3715-04 | ARM ASSY | | |
| 622 | 2F | * | D10-3809-01 | SLIDER | | |
| 623 | 2F | * | D13-1807-04 | GEAR | | |
| 624 | 2F | * | D13-1881-03 | GEAR | | |
| 625 | 2F | * | D14-0385-14 | ROLLER | | |
| 626 | 1E,2E | * | D14-0395-04 | ROLLER | | |
| 627 | 2F | * | D16-0715-03 | BELT | | |
| 632 | 1F | * | D21-1897-03 | EXTENSION SHAFT | | |
| Δ 637 | 1E | | E03-0115-05 | AC PLUG ADAPTER | M9 | |
| 638 | 1E | | E30-0505-05 | AUDIO CORD | | |
| 639 | 1E | | E30-1427-05 | AUDIO CORD (VIDEO) | | |
| Δ 640 | 1G | | E30-2592-15 | AC POWER CORD | M9E9 | |
| Δ 640 | 1G | | E30-2605-05 | AC POWER CORD | Y9 | |
| Δ 640 | 1G | | E30-2650-05 | AC POWER CORD | K9 | |
| Δ 640 | 1G | | E30-2717-05 | AC POWER CORD | M0 | |
| Δ 640 | 1G | | E30-2721-05 | AC POWER CORD | T9 | |
| 641 | 1E | | E30-2725-05 | CORD WITH PLUG (S-VIDEO) | | |
| 642 | 1G,2G | | E35-2051-05 | FLAT CABLE 35P | | |
| 643 | 1G,2G | | E35-2054-05 | FLAT CABLE 5P | | |
| 644 | 2E | * | E35-2178-05 | FLAT CABLE | | |

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia
Y : PX(Far East, Hawaii) T : Europe E : Europe G : Germany V : China (Shanghai)
Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas Δ indicates safety critical components.

* 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.

②

| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|----------------------------------|----------|-----------|-------------|-------------------------------|--------------|----------|
| 645 | 1G,2G | * | E35-2179-05 | FLAT CABLE 13P | | |
| 646 | 1G | * | E35-2180-05 | FLAT CABLE 21P,100 | | |
| 647 | 1G,2G | * | E35-2181-05 | FLAT CABLE 22P | | |
| 648 | 2F | * | E35-2195-05 | WIRING HARNESS | | |
| 649 | 1F,1G | * | E35-2213-05 | FLAT CABLE 21P,390 | | |
| 650 | 2F | * | G01-4107-05 | TORSION SPRING | | |
| - | | * | H10-7498-02 | POLYSTYRENE FOAMED FIXTURE | | |
| - | | * | H10-7499-02 | POLYSTYRENE FOAMED FIXTURE | | |
| - | | * | H20-0568-04 | PROTECTION COVER | M9M0 | |
| - | | * | H25-0232-04 | PROTECTION BAG (235X350X0.03) | K9Y9M9 | |
| - | | * | H25-0232-04 | PROTECTION BAG (235X350X0.03) | M0E9 | |
| - | | * | H25-0651-04 | PROTECTION BAG (0232) | T9 | |
| - | | * | H25-0661-04 | PROTECTION BAG | E9 | |
| - | | * | H25-0661-04 | PROTECTION BAG | K9Y9T9 | |
| - | | * | H50-3018-14 | ITEM CARTON CASE | T9E9 | |
| - | | * | H50-3018-14 | ITEM CARTON CASE | Y9M9M0 | |
| - | | * | H50-3019-14 | ITEM CARTON CASE | K9 | |
| 653 | 2G | * | J02-1426-05 | FOOT | | |
| 654 | 2G | * | J19-2808-05 | HOLDER | | |
| 655 | 1G,2G | * | J19-3703-14 | UNIT HOLDER | | |
| Δ 658 | 1G | * | J42-0083-05 | POWER CORD BUSHING | | |
| - | | * | J61-0307-05 | WIRE BAND | | |
| 662 | 1F | * | K27-2300-04 | KNOB (BUTTON) | | |
| 663 | 1E,1F | * | K29-7355-04 | KNOB | | |
| 664 | 1F | * | K29-7356-03 | KNOB | | |
| 665 | 1E | * | K29-7358-04 | KNOB | | |
| 667 | 1E | * | K29-7431-04 | KNOB | | |
| 670 | 2F | * | S64-0026-05 | LEVER SWITCH | | |
| LM | 2F | * | T42-0922-04 | MOTOR ASSY | | |
| 675 | 2G | * | W02-2658-05 | CIRCUIT MODULE(DVD PCB) | | |
| 676 | 1F | * | W02-2660-05 | POWER SUPPLY (VEP96533A) | K9Y9 | |
| 676 | 1F | * | W02-2661-05 | POWER SUPPLY (VEP96533B) | M9 | |
| Δ 676 | 1F | * | W02-2662-05 | POWER SUPPLY (VEP96533C) | MOT9E9 | |
| DV-203/DVF-5010/DVF-K7010 | | | | | | |
| 601 | 1E | * | A01-3627-01 | METALLIC CABINET | C7 | |
| 601 | 1E | * | A01-3627-01 | METALLIC CABINET | K5T5E5 | |
| 601 | 1E | * | A01-3652-01 | METALLIC CABINET | M5M6M7 | |
| 602 | 1E | * | A09-1105-05 | BATTERY COVER | | |
| 608 | 1E | * | A29-1018-03 | PANEL TRAY | T5E5C7 | |
| 608 | 1E | * | A29-1027-03 | PANEL TRAY | K5 | |
| 608 | 1E | * | A29-1029-03 | PANEL TRAY | M5M6M7 | |
| 609 | 2F | * | A60-1478-01 | PANEL FRONT | C7 | |
| 609 | 2F | * | A60-1479-01 | PANEL FRONT | T5E5 | |
| 609 | 2F | * | A60-1480-01 | PANEL FRONT | K5 | |
| 609 | 2F | * | A60-1549-01 | PANEL FRONT | M7 | |
| 609 | 2F | * | A60-1550-01 | PANEL FRONT | M5 | |
| 609 | 2F | * | A60-1551-01 | PANEL FRONT | M6 | |
| 610 | 1E | * | A70-1229-05 | REMOTE CONTROL ASSY(RC-D0505) | C7M7 | |
| 610 | 1E | * | A70-1230-05 | REMOTE CONTROL ASSY(RC-D0305) | K5T5E5 | |
| 610 | 1E | * | A70-1230-05 | REMOTE CONTROL ASSY(RC-D0305) | M5M6 | |

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PARTS LIST

DV-203/2070/DVF-5010/9010/K7010

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③

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|---------|----------|-----------|-------------|-------------------------------|--------------|----------|
| 617 | 2E | * | B10-3408-03 | FRONT GLASS | K5M5 | |
| 617 | 2E | * | B10-3410-03 | FRONT GLASS | M6T5E5 | |
| 618 | 1E | * | B19-1529-05 | OPTICAL FIBER | | |
| 619 | 2E | * | B43-0309-04 | BADGE | | |
| 620 | 2E | * | B11-0368-03 | COLOR FILTER | | |
| 621 | 2E | | B43-0302-04 | KENWOOD BADGE | | |
| - | | | B46-0096-53 | WARRANTY CARD | M6 | |
| - | | | B46-0197-00 | QUESTIONNAIRE CARD | K5 | |
| - | | | B46-0310-03 | WARRANTY CARD | T5E5 | |
| - | | | B46-0319-00 | QUESTIONNAIRE CARD | T5 | |
| - | | | B46-0326-03 | WARRANTY CARD | C7 | |
| - | | | B46-0328-03 | WARRANTY CARD | K5 | |
| - | | | B46-0336-03 | WARRANTY CARD | K5 | |
| - | | | B58-0945-03 | CAUTION CARD | T5 | |
| - | | | B58-1599-03 | CAUTION CARD | C7 | |
| - | | * | B60-3955-00 | INSTRUCTION MANUAL(EN,6CH) | C7M7 | |
| - | | * | B60-3956-00 | INSTRUCTION MANUAL(SC) | C7 | |
| - | | * | B60-3957-00 | INSTRUCTION MANUAL(TC) | M7 | |
| - | | * | B60-3958-00 | INSTRUCTION MANUAL(EN,2CH) | K5 | |
| - | | * | B60-3959-00 | INSTRUCTION MANUAL(FR,2CH) | K5 | |
| - | | * | B60-3960-00 | INSTRUCTION MANUAL(EN,6CH) | M5 | |
| - | | * | B60-3961-00 | INSTRUCTION MANUAL(EN,6CH) | M6T5E5 | |
| - | | * | B60-3962-00 | INSTRUCTION MANUAL(FR,6CH) | E5 | |
| - | | * | B60-3963-00 | INSTRUCTION MANUAL(GE) | E5 | |
| - | | * | B60-3964-00 | INSTRUCTION MANUAL(NE) | E5 | |
| - | | * | B60-3965-00 | INSTRUCTION MANUAL(IT) | E5 | |
| - | | * | B60-3966-00 | INSTRUCTION MANUAL(ES) | E5 | |
| - | | * | B60-3967-00 | INSTRUCTION MANUAL(TC) | M5 | |
| 632 | 1F | * | D21-1898-03 | EXTENSION SHAFT | | |
| Δ 637 | 1E | | E03-0115-05 | AC PLUG ADAPTER | M5M7 | |
| 638 | 1E | | E30-0505-05 | AUDIO CORD | | |
| 639 | 1E | | E30-1427-05 | AUDIO CORD | | |
| Δ 640 | 1G | | E30-2592-15 | AC POWER CORD | M5E5M7 | |
| Δ 640 | 1G | | E30-2650-05 | AC POWER CORD | K5 | |
| Δ 640 | 1G | | E30-2717-05 | AC POWER CORD | M6 | |
| Δ 640 | 1G | | E30-2721-05 | AC POWER CORD | T5 | |
| Δ 640 | 1G | | E30-2867-05 | AC POWER CORD | C7 | |
| 642 | 1G,2G | | E35-2051-05 | FLAT CABLE 35P | | |
| 643 | 1G,2G | | E35-2054-05 | FLAT CABLE 5P | | |
| 645 | 1G,2G | | E35-2179-05 | FLAT CABLE 13P | | |
| 646 | 1G | | E35-2180-05 | FLAT CABLE 21P,100 | | |
| 647 | 1G | | E35-2181-05 | FLAT CABLE 22P | | |
| 649 | 1F,1G | | E35-2213-05 | FLAT CABLE 21P,390 | | |
| - | | * | H10-7502-02 | POLYSTYRENE FOAMED FIXTURE | | |
| - | | * | H10-7503-02 | POLYSTYRENE FOAMED FIXTURE | | |
| - | | | H20-0568-04 | PROTECTION COVER | | |
| - | | | H25-0232-04 | PROTECTION BAG (235X350X0.03) | M5 | |
| - | | | H25-0232-04 | PROTECTION BAG (235X350X0.03) | E5 | |
| - | | | H25-0232-04 | PROTECTION BAG (235X350X0.03) | K5M5M6 | |
| - | | | H25-0651-04 | PROTECTION BAG (0232) | T5 | |
| - | | | H25-0661-04 | PROTECTION BAG | E5 | |
| - | | | H25-0661-04 | PROTECTION BAG | K5M6T5 | |
| - | | * | H50-3062-04 | ITEM CARTON CASE | M7 | |
| - | | * | H50-3063-04 | ITEM CARTON CASE | C7 | |

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|---|----------|-----------|---------------|--------------------------|--------------|----------|
| - | | * | H50-3064-04 | ITEM CARTON CASE | E5 | |
| - | | * | H50-3064-04 | ITEM CARTON CASE | M5M6T5 | |
| - | | * | H50-3065-04 | ITEM CARTON CASE | K5 | |
| 653 | 2G | | J02-1024-05 | FOOT | T5E5 | |
| 653 | 2G | * | J02-1409-05 | FOOT (D=46,H=14.5,T) | K5M5M6 | |
| 654 | 2G | | J19-2808-05 | HOLDER | C7M7 | |
| 655 | 1G,2G | | J19-3722-14 | UNIT HOLDER | | |
| 658 | 1G | | J42-0083-05 | POWER CORD BUSHING | | |
| 659 | 2F | | J21-3326-05 | JACK MOUNTING HARDWARE | C7M7 | |
| - | | | J61-0307-05 | WIRE BAND | | |
| 662 | 1F | * | K27-2297-04 | KNOB (BUTTON) | T5E5C7 | |
| 662 | 1F | * | K27-2299-04 | KNOB (BUTTON) | K5 | |
| 662 | 1F | * | K27-2313-04 | KNOB (BUTTON) | M5M6M7 | |
| 663 | 2F | * | K29-7360-04 | KNOB | | |
| 664 | 2F | * | K29-7361-02 | KNOB | T5E5C7 | |
| 664 | 2F | * | K29-7426-02 | KNOB | K5 | |
| 664 | 2F | * | K29-7433-02 | KNOB | M5M6M7 | |
| 666 | 2F | * | K29-7369-04 | KNOB | C7 | |
| 666 | 2F | * | K29-7434-04 | KNOB | M7 | |
| 668 | 2F | | K29-4440-04 | KNOB | C7 | |
| 668 | 2F | * | K29-7432-04 | KNOB | M7 | |
| 675 | 2G | | W02-2658-05 | CIRCUIT MODULE (DVD PCB) | | |
| Δ 676 | 1F | | W02-2660-05 | POWER SUPPLY (VEP96533A) | K5 | |
| Δ 676 | 1F | | W02-2661-05 | POWER SUPPLY (VEP96533B) | M5C7M7 | |
| Δ 676 | 1F | | W02-2662-05 | POWER SUPPLY (VEP96533C) | M6T5E5 | |
| DISPLAY (X14-4820-11) DV-2070/DVF-9010 | | | | | | |
| D1 | | | B30-2526-05 | LED(BLUE) | | |
| D2 ,3 | | | B30-2430-05 | LED(RED) | | |
| D6 | | | B30-2430-05 | LED(RED) | | |
| C1 | | | C90-3253-05 | ELECTRO 1.0UF 50WV | | |
| C3 -5 | | | CC73FSL1H101J | CHIP C 100PF J | | |
| C6 | | | C90-3253-05 | ELECTRO 1.0UF 50WV | | |
| C7 | | | CK73FB1H103K | CHIP C 0.010UF K | | |
| C8 | | | CC73FSL1H101J | CHIP C 100PF J | | |
| C9 | | | CK73FB1C104K | CHIP C 0.10UF K | | |
| C11 -25 | | | CC73FSL1H101J | CHIP C 100PF J | | |
| C26 | | | CC73FSL1H331J | CHIP C 330PF J | | |
| C27 | | | CK73EB1H103K | CHIP C 0.010UF K | | |
| C28 | | | CC45FSL1H101J | CERAMIC 100PF J | | |
| C29 | | | CK45FF1H103Z | CERAMIC 0.010UF Z | | |
| C30 ,31 | | | C90-3226-05 | ELECTRO 22UF 16WV | | |
| C32 -35 | | | CC73FSL1H101J | CHIP C 100PF J | | |
| C36 ,37 | | | CC73FSL1H471J | CHIP C 470PF J | | |
| C40 | | | CC73FSL1H102J | CHIP C 1000PF J | | |
| CN1 | | | E40-4946-05 | FLAT CABLE CONNECTOR | | |
| CN2 ,3 | | | E40-4930-05 | FLAT CABLE CONNECTOR | | |
| CN4 | | | E40-3249-05 | PIN ASSY | | |
| J1 | | | E11-0190-05 | PHONE JACK (3P) | | |
| E100 | | | J11-0808-05 | WIRE CLAMPER | | |
| L1 ,2 | | | L92-0044-05 | FERRITE CORE | | |

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DV-203/2070/DVF-5010/9010/K7010

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|--|----------|-----------|---------------|------------------------|--------------|----------|
| R16 | | | RK73FB2A103J | CHIP R 10K J 1/10W | | |
| R25 -27 | | | RK73FB2A471J | CHIP R 470 J 1/10W | | |
| R28 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | | |
| R29 | | | RK73FB2A101J | CHIP R 100 J 1/10W | | |
| R34 -38 | | | RK73FB2A473J | CHIP R 47K J 1/10W | | |
| R39 | | | RK73FB2A100J | CHIP R 10 J 1/10W | | |
| R40 | | | RK73FB2A473J | CHIP R 47K J 1/10W | | |
| R49 ,50 | | | RK73FB2A104J | CHIP R 100K J 1/10W | | |
| R51 ,52 | | | RK73FB2A560J | CHIP R 56 J 1/10W | | |
| R53 ,54 | | | RK73FB2A470J | CHIP R 47 J 1/10W | | |
| R57 ,58 | | | RK73FB2A331J | CHIP R 330 J 1/10W | | |
| R59 | | | RK73FB2A563J | CHIP R 56K J 1/10W | K9Y9M9 | |
| R59 | | | RK73FB2A563J | CHIP R 56K J 1/10W | T9E9 | |
| R60 | | | RK73FB2A104J | CHIP R 100K J 1/10W | K9Y9 | |
| R60 | | | RK73FB2A273J | CHIP R 27K J 1/10W | M9 | |
| R60 | | | RK73FB2A563J | CHIP R 56K J 1/10W | T9E9M0 | |
| VR1 | | | R10-4049-05 | POTENTIOMETER | | |
| S1 -15 | | | S70-0031-05 | TACT SWITCH | | |
| D4 | | | HZS5.6N(B2) | ZENER DIODE | | |
| D4 | | | RD5.6ES(B2) | ZENER DIODE | | |
| D5 | | | DA204U | DIODE | | |
| D7 | | | DA204U | DIODE | | |
| D9 | | | DA204U | DIODE | | |
| D11 | | | DA204U | DIODE | | |
| D12 | | | MA111 | DIODE | | |
| ED1 | | | 16-ST-20GK | INDICATOR TUBE | | |
| IC1 | | | LC75712E | MOS-IC | | |
| IC2 | | | NJM4580E | ANALOGUE IC | | |
| Q1 -4 | | | 2SC1740S(Q,R) | TRANSISTOR | | |
| Q1 -4 | | | 2SC2785(F,E) | TRANSISTOR | | |
| A1 | | | W02-2571-05 | OPTIC RECEIVING MODULE | | |
| DISPLAY (X14-4830-11) DV-203/DVF-5010/DVF-K7010 | | | | | | |
| D1 -3 | | | B30-2430-05 | LED(REDF) | | |
| C1 | | | CE04KW1H010M | ELECTRO 1.0UF 50WV | | |
| C3 -5 | | | CC73FCH1H101J | CHIP C 100PF J | | |
| C6 | | | C90-3253-05 | ELECTRO 1.0UF 50WV | | |
| C7 | | | CK73FB1H103K | CHIP C 0.010UF K | | |
| C8 | | | CC73FCH1H101J | CHIP C 100PF J | | |
| C9 | | | CK73FB1C104K | CHIP C 0.10UF K | | |
| C10 | | | CK73FB1H103K | CHIP C 0.010UF K | | |
| C11 -25 | | | CC73FCH1H101J | CHIP C 100PF J | K5 | |
| C26 | | | CC73FCH1H331J | CHIP C 330PF J | | |
| C30 | | | CK73EB1H103K | CHIP C 0.010UF K | | |
| C50 | | | CC73FCH1H102J | CHIP C 1000PF J | | |
| C101,102 | | | CE04KW1H010M | ELECTRO 1.0UF 50WV | C7M7 | |
| C103,104 | | | CK73FB1C104K | CHIP C 0.10UF K | C7M7 | |
| C105,106 | | | CC73FSL1H121J | CHIP C 120PF J | C7M7 | |
| C107 | | | CK45FB1H102K | CERAMIC 1000PF K | C7M7 | |
| C108 | | | CK45FF1H103Z | CERAMIC 0.010UF Z | C7M7 | |
| C109,110 | | | CE04KW1H2R2M | ELECTRO 2.2UF 50WV | C7M7 | |
| C111 | | | CK45FF1H103Z | CERAMIC 0.010UF Z | C7M7 | |
| C112 | | | CK45FB1H102K | CERAMIC 1000PF K | C7M7 | |

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|-----------|----------|-----------|---------------|------------------------|--------------|----------|
| C113,114 | | | CQ93FMG1H104J | MYLAR 0.10UF J | C7M7 | |
| C115,116 | | | CC45FSL1H101J | CERAMIC 100PF J | C7M7 | |
| C117 | | | CE04KW1H100M | ELECTRO 10UF 50WV | C7M7 | |
| C118 | | | CK45FF1H103Z | CERAMIC 0.010UF Z | C7M7 | |
| C122,123 | | | CK45FF1H103Z | CERAMIC 0.010UF Z | C7M7 | |
| CN1 | | | E40-4946-05 | FLAT CABLE CONNECTOR | | |
| J101,102 | | | E11-0224-05 | PHONE JACK (4P) | C7M7 | |
| J103 | | | E11-0218-05 | MINIATURE PHONE JACK | C7M7 | |
| R1 | | | RK73FB2A103J | CHIP R 10K J 1/10W | | |
| R2 ,3 | | | RK73FB2A221J | CHIP R 220 J 1/10W | | |
| R15 | | | RK73FB2A113J | CHIP R 11K J 1/10W | | |
| R32 | | | RK73FB2A472J | CHIP R 4.7K J 1/10W | | |
| R33 | | | RK73FB2A332J | CHIP R 3.3K J 1/10W | | |
| R34 | | | RK73FB2A331J | CHIP R 330 J 1/10W | | |
| R35 | | | RK73FB2A472J | CHIP R 4.7K J 1/10W | | |
| R36 | | | RK73FB2A332J | CHIP R 3.3K J 1/10W | | |
| R37 | | | RK73FB2A331J | CHIP R 330 J 1/10W | | |
| R38 | | | RK73FB2A472J | CHIP R 4.7K J 1/10W | | |
| R39 | | | RK73FB2A332J | CHIP R 3.3K J 1/10W | | |
| R40 | | | RK73FB2A331J | CHIP R 330 J 1/10W | | |
| R41 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | | |
| R42 | | | RK73FB2A221J | CHIP R 220 J 1/10W | | |
| R50 | | | RK73FB2A100J | CHIP R 10 J 1/10W | | |
| R51 ,52 | | | RK73FB2A473J | CHIP R 47K J 1/10W | | |
| R54 -56 | | | RK73FB2A473J | CHIP R 47K J 1/10W | | |
| R59 | | | RK73FB2A563J | CHIP R 56K J 1/10W | K5M5M7 | |
| R59 | | | RK73FB2A563J | CHIP R 56K J 1/10W | T5E5C7 | |
| R60 | | | RK73FB2A104J | CHIP R 100K J 1/10W | K5 | |
| R60 | | | RK73FB2A123J | CHIP R 12K J 1/10W | C7 | |
| R60 | | | RK73FB2A273J | CHIP R 27K J 1/10W | M5M7 | |
| R60 | | | RK73FB2A563J | CHIP R 56K J 1/10W | M6T5E5 | |
| R103-106 | | | RK73FB2A473J | CHIP R 47K J 1/10W | C7M7 | |
| R125 | | | RK73FB2A153J | CHIP R 15K J 1/10W | C7M7 | |
| R133 | | | RK73FB2A153J | CHIP R 15K J 1/10W | C7M7 | |
| VR101,102 | | | R05-3021-05 | POTENTIOMETER(10K) | C7M7 | |
| W100 | | | R92-0679-05 | CHIP R 0 OHM | | |
| S1 -9 | | | S70-0031-05 | TACT SWITCH | | |
| S10 -13 | | | S70-0031-05 | TACT SWITCH | C7M7 | |
| D8 -10 | | | DA204U | DIODE | | |
| D101-104 | | | HSS104 | DIODE | C7M7 | |
| D101-104 | | | 1SS133 | DIODE | C7M7 | |
| ED1 | | | 16-ST-20GK | INDICATOR TUBE | | |
| IC1 | | | LC75712E | MOS-IC | | |
| IC101,102 | | | NJM4580ED | ANALOGUE IC | C7M7 | |
| Q5 -7 | | | 2SC4081(R,S) | TRANSISTOR | | |
| Q101 | | | 2SC1740S(Q,R) | TRANSISTOR | C7M7 | |
| Q101 | | | 2SC2785(F,E) | TRANSISTOR | C7M7 | |
| Q103,104 | | | 2SC1740S(Q,R) | TRANSISTOR | C7M7 | |
| Q103,104 | | | 2SC2785(F,E) | TRANSISTOR | C7M7 | |
| Q105 | | | DTC124ESA | DIGITAL TRANSISTOR | C7M7 | |
| A1 | | | W02-2571-05 | OPTIC RECEIVING MODULE | | |

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| CONTROL (X25-6160-11) | | | | | | |
| C2 | | | CK73FB1H103K | CHIP C 0.010UF K | | |
| C4 | | | CK45FB1H102K | CERAMIC 1000PF K | | |
| C5 | | | CE04KW1A470M | ELECTRO 47UF 10WV | | |
| C6 | | | CE04KW1C100M | ELECTRO 10UF 16WV | | |
| C7 | | | CE04KW1A221M | ELECTRO 220UF 10WV | | |
| C10 | | | CK73FB1H103K | CHIP C 0.010UF K | | |
| C12 | | | CK45FB1H102K | CERAMIC 1000PF K | | |
| C13 | | | CE04KW1A101M | ELECTRO 100UF 10WV | | |
| C14 | | | CE04KW1C100M | ELECTRO 10UF 16WV | | |
| C15 | | | CE04KW1A221M | ELECTRO 220UF 10WV | | |
| C18 | | | CK73FB1H103K | CHIP C 0.010UF K | | |
| C20 | | | CQ93FMG1H102J | MYLAR 1000PF J | | |
| C21 | | | CE04KW1A101M | ELECTRO 100UF 10WV | | |
| C22 | | | CE04KW1C100M | ELECTRO 10UF 16WV | | |
| C23 | | | CE04KW1A221M | ELECTRO 220UF 10WV | | |
| C26 | | | CK73FB1H103K | CHIP C 0.010UF K | | |
| C28 | | | CK45FB1H102K | CERAMIC 1000PF K | | |
| C29 | | | CE04KW1A101M | ELECTRO 100UF 10WV | | |
| C30 | | | CE04KW1C100M | ELECTRO 10UF 16WV | | |
| C31 | | | CE04KW1C221M | ELECTRO 220UF 16WV | | |
| C34 | | | CK73FB1H103K | CHIP C 0.010UF K | | |
| C35 | | | CE04KW1E470M | ELECTRO 47UF 25WV | | |
| C36 | | | CE04KW1E101M | ELECTRO 100UF 25WV | | |
| C39 | | | CK73FB1H103K | CHIP C 0.010UF K | | |
| C40 | | | CE04KW1E470M | ELECTRO 47UF 25WV | | |
| C41 | | | CE04KW1E101M | ELECTRO 100UF 25WV | | |
| C43 | | | CE04KW1E470M | ELECTRO 47UF 25WV | | |
| C44 | | | CQ93FMG1H224J | MYLAR 0.22UF J | | |
| C45 | | | CE04KW1A101M | ELECTRO 100UF 10WV | | |
| C46 | | | CQ93FMG1H103J | MYLAR 0.010UF J | | |
| C47 | | | CE04KW1A101M | ELECTRO 100UF 10WV | | |
| C100 | | | CK73FF1C105Z | CHIP C 1.0UF Z | | |
| C107 | | | CK73FB1H103K | CHIP C 0.010UF K | | |
| C109,110 | | | CK73FB1E104K | CHIP C 0.10UF K | T9E9K9 | |
| C109,110 | | | CK73FB1E104K | CHIP C 0.10UF K | Y9M9M0 | |
| C111 | | | CE04KW1A471M | ELECTRO 470UF 10WV | | |
| C112 | | | CK73FB1H103K | CHIP C 0.010UF K | K5T5E5 | |
| C112 | | | CK73FB1H103K | CHIP C 0.010UF K | M5M6 | |
| C112 | | | CK73FB1H103K | CHIP C 0.010UF K | T9E9K9 | |
| C112 | | | CK73FB1H103K | CHIP C 0.010UF K | Y9M9M0 | |
| C115 | | | CC73FSL1H100D | CHIP C 10PF D | K5T5E5 | |
| C115 | | | CC73FSL1H100D | CHIP C 10PF D | K9Y9 | |
| C115 | | | CC73FSL1H100D | CHIP C 10PF D | M5M6 | |
| C116 | | | CC73FSL1H102J | CHIP C 1000PF J | E5M5M6 | |
| C116 | | | CC73FSL1H102J | CHIP C 1000PF J | E9K9Y9 | |
| C116 | | | CC73FSL1H102J | CHIP C 1000PF J | M9M0T9 | |
| C116 | | | CC73FSL1H102J | CHIP C 1000PF J | T5K5 | |
| C117 | | | CC73FSL1H102J | CHIP C 1000PF J | | |
| C200 | | | CC73FSL1H100D | CHIP C 10PF D | | |
| C201 | | | CC73FSL1H470J | CHIP C 47PF J | | |
| C202 | | | CC73FSL1H680J | CHIP C 68PF J | | |
| C203 | | | CC73FSL1H050C | CHIP C 5.0PF C | | |
| C205 | | | CK73FB1E104K | CHIP C 0.10UF K | | |
| C206 | | | CE04KW1C100M | ELECTRO 10UF 16WV | | |
| C207,208 | | | CC73FSL1H470J | CHIP C 47PF J | | |

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| Ref. No | Address | New Parts | Parts No. | Description | Destination | Remarks |
|----------|---------|-----------|---------------|--------------------|-------------|---------|
| C209 | | | CC73FSL1H070D | CHIP C 7.0PF D | | |
| C210 | | | CC73FSL1H180J | CHIP C 18PF J | | |
| C211 | | | CC73FSL1H220J | CHIP C 22PF J | | |
| C212 | | | CC73FSL1H050C | CHIP C 5.0PF C | | |
| C213 | | | CC73FSL1H470J | CHIP C 47PF J | | |
| C214 | | | CC73FSL1H471J | CHIP C 470PF J | | |
| C215 | | | CK73FB1H103K | CHIP C 0.010UF K | | |
| C216 | | | CE04KW1E470M | ELECTRO 47UF 25WV | | |
| C217 | | | CK73FB1E104K | CHIP C 0.10UF K | | |
| C218 | | | CC73FSL1H151J | CHIP C 150PF J | | |
| C219 | | | CK73FB1H103K | CHIP C 0.010UF K | | |
| C220 | | | CE04KW1E470M | ELECTRO 47UF 25WV | | |
| C221,222 | | | CE04KW1C100M | ELECTRO 10UF 16WV | | |
| C223 | | | CK73FB1H103K | CHIP C 0.010UF K | | |
| C224 | | | CK73FB1H103K | CHIP C 0.010UF K | E9K9Y9 | |
| C224 | | | CK73FB1H103K | CHIP C 0.010UF K | M9M0T9 | |
| C225,226 | | | CC73FSL1H470J | CHIP C 47PF J | | |
| C227,228 | | | CC73FSL1H470J | CHIP C 47PF J | E9K9Y9 | |
| C227,228 | | | CC73FSL1H470J | CHIP C 47PF J | M9M0T9 | |
| C234 | | | CE04KW1C100M | ELECTRO 10UF 16WV | K5K9Y9 | |
| C235-237 | | | CC73FSL1H470J | CHIP C 47PF J | K5K9Y9 | |
| C238 | | | CC73FSL1H070D | CHIP C 7.0PF D | K5K9Y9 | |
| C239 | | | CC73FSL1H220J | CHIP C 22PF J | K5K9Y9 | |
| C240 | | | CC73FSL1H390J | CHIP C 39PF J | K5K9Y9 | |
| C241 | | | CC73FSL1H050C | CHIP C 5.0PF C | K5K9Y9 | |
| C243 | | | CE04KW1C100M | ELECTRO 10UF 16WV | K5K9Y9 | |
| C244 | | | CC73FSL1H070D | CHIP C 7.0PF D | K5K9Y9 | |
| C245 | | | CC73FSL1H220J | CHIP C 22PF J | K5K9Y9 | |
| C246 | | | CC73FSL1H390J | CHIP C 39PF J | K5K9Y9 | |
| C247 | | | CC73FSL1H050C | CHIP C 5.0PF C | K5K9Y9 | |
| C249 | | | CE04KW1C100M | ELECTRO 10UF 16WV | K5K9Y9 | |
| C250 | | | CE04KW1E470M | ELECTRO 47UF 25WV | | |
| C251 | | | CC73FSL1H101J | CHIP C 100PF J | | |
| C252 | | | CE04KW1E101M | ELECTRO 100UF 25WV | | |
| C253 | | | CE04KW1E470M | ELECTRO 47UF 25WV | | |
| C254 | | | CC73FSL1H101J | CHIP C 100PF J | | |
| C255 | | | CE04KW1E101M | ELECTRO 100UF 25WV | | |
| C256,257 | | | CK73FB1H103K | CHIP C 0.010UF K | | |
| C258 | | | CK73FB1E104K | CHIP C 0.10UF K | | |
| C400,401 | | | CE04KW1V470M | ELECTRO 47UF 35WV | | |
| C402-405 | | | CC73FSL1H101J | CHIP C 100PF J | | |
| C406,407 | | | CQ93FMG1H392J | MYLAR 3900PF J | | |
| C408-410 | | | CC73FSL1H101J | CHIP C 100PF J | | |
| C411 | | | CK73FB1H103K | CHIP C 0.010UF K | | |
| C412-415 | | | CC73FSL1H101J | CHIP C 100PF J | | |
| C416 | | | CK73FB1H103K | CHIP C 0.010UF K | | |
| C417,418 | | | CC73FSL1H101J | CHIP C 100PF J | | |
| C419 | | | CK73FB1H103K | CHIP C 0.010UF K | | |
| C420,421 | | | CE04KW1E221M | ELECTRO 220UF 25WV | | |
| C422,423 | | | CC73FSL1H471J | CHIP C 470PF J | | |
| C424,425 | | | CC73FSL1H220J | CHIP C 22PF J | E5C7M7 | |
| C424,425 | | | CC73FSL1H220J | CHIP C 22PF J | M5M6T5 | |
| C424,425 | | | CC73FSL1H220J | CHIP C 22PF J | T9E9 | |
| C424,425 | | | CC73FSL1H220J | CHIP C 22PF J | Y9M9M0 | |
| C426,427 | | | CE04KW1A221M | ELECTRO 220UF 10WV | E5C7M7 | |

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PARTS LIST

DV-203/2070/DVF-5010/9010/K7010

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| Ref. No | Address | New Parts | Parts No. | Description | Destination | Remarks |
|----------|---------|-----------|---------------|-------------|-------------|----------|
| C426,427 | | | CE04KW1A221M | ELECTRO | 220UF 10WV | M5M6T5 |
| C426,427 | | | CE04KW1A221M | ELECTRO | 220UF 10WV | Y9E9K9 |
| C426,427 | | | CE04KW1A221M | ELECTRO | 220UF 10WV | T9E9M9M0 |
| C428,429 | | | CC73FSL1H471J | CHIP C | 470PF J | E5C7M7 |
| C428,429 | | | CC73FSL1H471J | CHIP C | 470PF J | M5M6T5 |
| C428,429 | | | CC73FSL1H471J | CHIP C | 470PF J | T9E9 |
| C428,429 | | | CC73FSL1H471J | CHIP C | 470PF J | Y9M9M0 |
| C450,451 | | | CE04KW1V470M | ELECTRO | 47UF 35WV | E5C7M7 |
| C450,451 | | | CE04KW1V470M | ELECTRO | 47UF 35WV | M5M6T5 |
| C450,451 | | | CE04KW1V470M | ELECTRO | 47UF 35WV | T9E9 |
| C450,451 | | | CE04KW1V470M | ELECTRO | 47UF 35WV | Y9M9M0 |
| C452,453 | | | CC45FSL1H221J | CERAMIC | 220PF J | E5C7M7 |
| C452,453 | | | CC45FSL1H221J | CERAMIC | 220PF J | M5M6T5 |
| C452,453 | | | CC45FSL1H221J | CERAMIC | 220PF J | T9E9 |
| C452,453 | | | CC45FSL1H221J | CERAMIC | 220PF J | Y9M9M0 |
| C454,455 | | | CC73FSL1H101J | CHIP C | 100PF J | E5C7M7 |
| C454,455 | | | CC73FSL1H101J | CHIP C | 100PF J | M5M6T5 |
| C454,455 | | | CC73FSL1H101J | CHIP C | 100PF J | T9E9 |
| C454,455 | | | CC73FSL1H101J | CHIP C | 100PF J | Y9M9M0 |
| C456 | | | CK73FB1H103K | CHIP C | 0.010UF K | E5C7M7 |
| C456 | | | CK73FB1H103K | CHIP C | 0.010UF K | M5M6T5 |
| C456 | | | CK73FB1H103K | CHIP C | 0.010UF K | T9E9 |
| C456 | | | CK73FB1H103K | CHIP C | 0.010UF K | Y9M9M0 |
| C457 | | | CC73FSL1H101J | CHIP C | 100PF J | E5C7M7 |
| C457 | | | CC73FSL1H101J | CHIP C | 100PF J | M5M6T5 |
| C457 | | | CC73FSL1H101J | CHIP C | 100PF J | T9E9 |
| C457 | | | CC73FSL1H101J | CHIP C | 100PF J | Y9M9M0 |
| C457 | | | CC73FSL1H101J | CHIP C | 100PF J | M5M6T5 |
| C458-461 | | | CE04KW1C100M | ELECTRO | 10UF 16WV | E5C7M7 |
| C458-461 | | | CE04KW1C100M | ELECTRO | 10UF 16WV | M5M6T5 |
| C458-461 | | | CE04KW1C100M | ELECTRO | 10UF 16WV | T9E9 |
| C458-461 | | | CE04KW1C100M | ELECTRO | 10UF 16WV | Y9M9M0 |
| C458-461 | | | CE04KW1C100M | ELECTRO | 10UF 16WV | E5C7M7 |
| C462-465 | | | CC73FSL1H101J | CHIP C | 100PF J | M5M6T5 |
| C462-465 | | | CC73FSL1H101J | CHIP C | 100PF J | T9E9 |
| C462-465 | | | CC73FSL1H101J | CHIP C | 100PF J | Y9M9M0 |
| C462-465 | | | CC73FSL1H101J | CHIP C | 100PF J | E5C7M7 |
| C462-465 | | | CC73FSL1H101J | CHIP C | 100PF J | M5M6T5 |
| C466,467 | | | CE04KW1A221M | ELECTRO | 220UF 10WV | E5C7M7 |
| C466,467 | | | CE04KW1A221M | ELECTRO | 220UF 10WV | M5M6T5 |
| C466,467 | | | CE04KW1A221M | ELECTRO | 220UF 10WV | T9E9 |
| C466,467 | | | CE04KW1A221M | ELECTRO | 220UF 10WV | Y9M9M0 |
| C468,469 | | | CC73FSL1H471J | CHIP C | 470PF J | E5C7M7 |
| C468,469 | | | CC73FSL1H471J | CHIP C | 470PF J | M5M6T5 |
| C468,469 | | | CC73FSL1H471J | CHIP C | 470PF J | T9E9 |
| C468,469 | | | CC73FSL1H471J | CHIP C | 470PF J | Y9M9M0 |
| C470,471 | | | CE04KW1V470M | ELECTRO | 47UF 35WV | E5C7M7 |
| C470,471 | | | CE04KW1V470M | ELECTRO | 47UF 35WV | M5M6T5 |
| C470,471 | | | CE04KW1V470M | ELECTRO | 47UF 35WV | T9E9 |
| C470,471 | | | CE04KW1V470M | ELECTRO | 47UF 35WV | Y9M9M0 |
| C472,473 | | | CC45FSL1H221J | CERAMIC | 220PF J | E5C7M7 |
| C472,473 | | | CC45FSL1H221J | CERAMIC | 220PF J | M5M6T5 |
| C472,473 | | | CC45FSL1H221J | CERAMIC | 220PF J | T9E9 |
| C472,473 | | | CC45FSL1H221J | CERAMIC | 220PF J | Y9M9M0 |
| C472,473 | | | CC45FSL1H221J | CERAMIC | 220PF J | E5C7M7 |
| C474,475 | | | CC73FSL1H101J | CHIP C | 100PF J | M5M6T5 |
| C474,475 | | | CC73FSL1H101J | CHIP C | 100PF J | T9E9 |
| C474,475 | | | CC73FSL1H101J | CHIP C | 100PF J | Y9M9M0 |
| C474,475 | | | CC73FSL1H101J | CHIP C | 100PF J | M5M6T5 |

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|----------|---------|-----------|---------------|-------------|-------------|---------|
| C476 | | | CK73FB1H103K | CHIP C | 0.010UF K | E5C7M7 |
| C476 | | | CK73FB1H103K | CHIP C | 0.010UF K | M5M6T5 |
| C476 | | | CK73FB1H103K | CHIP C | 0.010UF K | T9E9 |
| C476 | | | CK73FB1H103K | CHIP C | 0.010UF K | Y9M9M0 |
| C477 | | | CC73FSL1H101J | CHIP C | 100PF J | E5C7M7 |
| C477 | | | CC73FSL1H101J | CHIP C | 100PF J | M5M6T5 |
| C477 | | | CC73FSL1H101J | CHIP C | 100PF J | T9E9 |
| C477 | | | CC73FSL1H101J | CHIP C | 100PF J | Y9M9M0 |
| C478-481 | | | CE04KW1C100M | ELECTRO | 10UF 16WV | E5C7M7 |
| C478-481 | | | CE04KW1C100M | ELECTRO | 10UF 16WV | M5M6T5 |
| C478-481 | | | CE04KW1C100M | ELECTRO | 10UF 16WV | T9E9 |
| C478-481 | | | CE04KW1C100M | ELECTRO | 10UF 16WV | Y9M9M0 |
| C482-485 | | | CC73FSL1H101J | CHIP C | 100PF J | E5C7M7 |
| C482-485 | | | CC73FSL1H101J | CHIP C | 100PF J | M5M6T5 |
| C482-485 | | | CC73FSL1H101J | CHIP C | 100PF J | T9E9 |
| C482-485 | | | CC73FSL1H101J | CHIP C | 100PF J | Y9M9M0 |
| C482-485 | | | CC73FSL1H101J | CHIP C | 100PF J | E5C7M7 |
| C486 | | | CK73FB1H103K | CHIP C | 0.010UF K | E5C7M7 |
| C486 | | | CK73FB1H103K | CHIP C | 0.010UF K | M5M6T5 |
| C486 | | | CK73FB1H103K | CHIP C | 0.010UF K | T9E9 |
| C486 | | | CK73FB1H103K | CHIP C | 0.010UF K | Y9M9M0 |
| C487 | | | CC73FSL1H101J | CHIP C | 100PF J | E5C7M7 |
| C487 | | | CC73FSL1H101J | CHIP C | 100PF J | M5M6T5 |
| C487 | | | CC73FSL1H101J | CHIP C | 100PF J | T9E9 |
| C487 | | | CC73FSL1H101J | CHIP C | 100PF J | Y9M9M0 |
| C488,489 | | | CE04KW1A221M | ELECTRO | 220UF 10WV | E5C7M7 |
| C488,489 | | | CE04KW1A221M | ELECTRO | 220UF 10WV | M5M6T5 |
| C488,489 | | | CE04KW1A221M | ELECTRO | 220UF 10WV | T9E9 |
| C488,489 | | | CE04KW1A221M | ELECTRO | 220UF 10WV | Y9M9M0 |
| C490,491 | | | CC73FSL1H471J | CHIP C | 470PF J | E5C7M7 |
| C495,496 | | | CC73FSL1H101J | CHIP C | 100PF J | M5M6T5 |
| C495,496 | | | CC73FSL1H101J | CHIP C | 100PF J | T9E9 |
| C495,496 | | | CC73FSL1H101J | CHIP C | 100PF J | Y9M9M0 |
| C497,498 | | | CC73FSL1H331J | CHIP C | 330PF J | E5C7M7 |
| C497,498 | | | CC73FSL1H331J | CHIP C | 330PF J | M5M6T5 |
| C497,498 | | | CC73FSL1H331J | CHIP C | 330PF J | T9E9 |
| C497,498 | | | CC73FSL1H331J | CHIP C | 330PF J | Y9M9M0 |
| C497,498 | | | CC73FSL1H331J | CHIP C | 330PF J | E5C7M7 |
| C499,500 | | | CC73FSL1H101J | CHIP C | 100PF J | M5M6T5 |
| C499,500 | | | CC73FSL1H101J | CHIP C | 100PF J | T9E9 |
| C499,500 | | | CC73FSL1H101J | CHIP C | 100PF J | Y9M9M0 |
| C501 | | | CK73FB1H103K | CHIP C | 0.010UF K | E5C7M7 |
| C501 | | | CK73FB1H103K | CHIP C | 0.010UF K | M5M6T5 |
| C501 | | | CK73FB1H103K | CHIP C | 0.010UF K | T9E9 |
| C501 | | | CK73FB1H103K | CHIP C | 0.010UF K | Y9M9M0 |
| C502 | | | CC73FSL1H101J | CHIP C | 100PF J | E5C7M7 |
| C502 | | | CC73FSL1H101J | CHIP C | 100PF J | M5M6T5 |
| C502 | | | CC73FSL1H101J | CHIP C | 100PF J | T9E9 |
| C502 | | | CC73FSL1H101J | CHIP C | 100PF J | Y9M9M0 |
| C503 | | | CE04KW1V220M | ELECTRO | 22UF 35WV | E5C7M7 |
| C504 | | | CE04KW1C331M | ELECTRO | 330UF 16WV | M5M6T5 |
| C506 | | | CE04KW1V220M | ELECTRO | 22UF 35WV | T9E9 |
| C508 | | | CK73FB1H103K | CHIP C | 0.010UF K | Y9M9M0 |
| C510 | | | CK73FB1E104K | CHIP C | 0.10UF K | E5C7M7 |
| C510 | | | CK73FB1E104K | CHIP C | 0.10UF K | M5M6T5 |

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| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|---------|----------|-----------|----------------|-------------------------------|--------------|----------|
| J6 | | * | E63-1060-05 | PHONO JACK | T9E9K9 | |
| J8 ,9 | | * | E56-0021-05 | CYLINDRICAL RECEPTACLE | T9E9K9 | |
| J8 ,9 | | * | E56-0021-05 | CYLINDRICAL RECEPTACLE | Y9M9M0 | |
| J9 | | * | E56-0014-05 | CYLINDRICAL RECEPTACLE | M6K5C7 | |
| J9 | | * | E56-0014-05 | CYLINDRICAL RECEPTACLE | M7 | |
| J9 | | * | E56-0014-05 | CYLINDRICAL RECEPTACLE | T5E5M5 | |
| J10 | | * | E63-1061-05 | PHONO JACK | K9Y9 | |
| J10 | | * | E63-1062-05 | PHONO JACK | K5 | |
| J11 | | * | E63-1057-05 | PHONO JACK | K9Y9 | |
| J11 | | * | E63-1058-05 | PHONO JACK | K5 | |
| E1 | | | J11-0809-05 | WIRE CLAMPER | | |
| E2 | | | J11-0809-05 | WIRE CLAMPER | C7M7 | |
| E3 | | | J11-0809-05 | WIRE CLAMPER | T9E9K9 | |
| E3 | | | J11-0809-05 | WIRE CLAMPER | Y9M9M0 | |
| L198 | | | L92-0075-05 | CHIP FERRITE | K5T5E5 | |
| L198 | | | L92-0075-05 | CHIP FERRITE | M5M6 | |
| L198 | | | L92-0131-05 | FERRITE CORE | E9T9K9 | |
| L198 | | | L92-0131-05 | FERRITE CORE | Y9M9M0 | |
| L199 | | | L40-2291-58 | SMALL FIXED INDUCTOR(2.2UH,K) | | |
| L200 | | | L40-6891-58 | SMALL FIXED INDUCTOR(6.8UH,K) | | |
| L201 | | | L40-1501-58 | SMALL FIXED INDUCTOR(15UH,K) | | |
| L202 | | | L40-6891-58 | SMALL FIXED INDUCTOR(6.8UH,K) | | |
| L203 | | | L40-2201-58 | SMALL FIXED INDUCTOR(22UH,K) | | |
| L204 | | | L40-1001-58 | SMALL FIXED INDUCTOR(10UH,K) | | |
| L206 | | | L40-6891-58 | SMALL FIXED INDUCTOR(6.8UH,K) | K5K9Y9 | |
| L207 | | | L40-1501-58 | SMALL FIXED INDUCTOR(15UH,K) | K5K9Y9 | |
| L208 | | | L40-6891-58 | SMALL FIXED INDUCTOR(6.8UH,K) | K5K9Y9 | |
| L209 | | | L40-1501-58 | SMALL FIXED INDUCTOR(15UH,K) | K5K9Y9 | |
| L210 | | | L92-0131-05 | FERRITE CORE | | |
| L211 | | | L40-1001-58 | SMALL FIXED INDUCTOR(10UH,K) | | |
| X1 | | | L78-0678-05 | RESONATOR (16MHZ) | | |
| R1 | | | RK73FB2A472J | CHIP R | 4.7K | J 1/10W |
| R3 | | | RK73FB2A561J | CHIP R | 560 | J 1/10W |
| R4 | | * | RS14KB3A1R0JTE | FL-PROOF RS | 1 | J 1W |
| R5 | | | RK73FB2A222J | CHIP R | 2.2K | J 1/10W |
| R6 | | | RK73FB2A821J | CHIP R | 820 | J 1/10W |
| R7 ,8 | | | R92-1860-05 | METAL GLAZE | 1.50K | F 1/10W |
| R9 | | | RK73FB2A391J | CHIP R | 390 | J 1/10W |
| R11 | | | RK73FB2A561J | CHIP R | 560 | J 1/10W |
| R12 | | | RS14KB3AR22J | FL-PROOF RS | 0.22 | J 1W |
| R13 | | | RK73FB2A222J | CHIP R | 2.2K | J 1/10W |
| R14 | | | RK73FB2A391J | CHIP R | 390 | J 1/10W |
| R15 | | * | R92-1880-05 | METAL GLAZE | 15K | F 1/10W |
| R16 | | * | R92-1881-05 | METAL GLAZE | 5.6K | F 1/10W |
| R17 | | | RK73FB2A331J | CHIP R | 330 | J 1/10W |
| R18 | | | RK73FB2A222J | CHIP R | 2.2K | J 1/10W |
| R19 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W |
| R20 | | | RK73FB2A222J | CHIP R | 2.2K | J 1/10W |
| R21 | | | RK73FB2A331J | CHIP R | 330 | J 1/10W |
| R22 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W |
| R23 | | | RK73FB2A473J | CHIP R | 47K | J 1/10W |
| R24 | | | RK73FB2A182J | CHIP R | 1.8K | J 1/10W |
| R25 ,26 | | | RK73FB2A152J | CHIP R | 1.5K | J 1/10W |
| R27 | | | RK73FB2A472J | CHIP R | 4.7K | J 1/10W |

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| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|-----------|----------|-----------|----------------|-------------|--------------|----------|
| R28 | | | RK73FB2A561J | CHIP R | 560 | J 1/10W |
| R30 | | | RS14KB3DR22J | FL-PROOF RS | 0.22 | J 2W |
| R31 | | | RK73FB2A222J | CHIP R | 2.2K | J 1/10W |
| R32 | | | RK73FB2A821J | CHIP R | 820 | J 1/10W |
| R33 | | | R92-1762-05 | METAL GLAZE | 4.7K | F 1/10W |
| R34 | | | R92-1860-05 | METAL GLAZE | 1.50K | F 1/10W |
| R35 | | | RK73FB2A472J | CHIP R | 4.7K | J 1/10W |
| R37 | | | RK73FB2A561J | CHIP R | 560 | J 1/10W |
| R38 | | * | RS14KB3A1R0JTE | FL-PROOF RS | 1 | J 1W |
| R39 | | | RK73FB2A222J | CHIP R | 2.2K | J 1/10W |
| R40 | | | RK73FB2A821J | CHIP R | 820 | J 1/10W |
| R41 | | | R92-1860-05 | METAL GLAZE | 1.50K | F 1/10W |
| R42 | | | R92-1861-05 | METAL GLAZE | 1.62K | F 1/10W |
| R43 | | | RK73FB2A1R0J | CHIP R | 1 | J 1/10W |
| R44 | | | RK73FB2A472J | CHIP R | 4.7K | J 1/10W |
| R45 | | | RK73FB2A103J | CHIP R | 10K | J 1/10W |
| R46 ,47 | | | RK73FB2A2R2J | CHIP R | 2.2 | J 1/10W |
| R48 | | | RK73FB2A1R0J | CHIP R | 1 | J 1/10W |
| R49 ,50 | | | RK73FB2A2R2J | CHIP R | 2.2 | J 1/10W |
| R100 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W |
| R100 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W |
| R100 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W |
| R100 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W |
| R111-113 | | | RK73FB2A221J | CHIP R | 220 | J 1/10W |
| R116 | | | RK73FB2A471J | CHIP R | 470 | J 1/10W |
| R116 | | | RK73FB2A471J | CHIP R | 470 | J 1/10W |
| R117 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W |
| R118, 119 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W |
| R118, 119 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W |
| R118, 119 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W |
| R120, 121 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W |
| R122 | | | RK73FB2A471J | CHIP R | 470 | J 1/10W |
| R123 | | | RK73FB2A331J | CHIP R | 330 | J 1/10W |
| R124 | | | RK73FB2A471J | CHIP R | 470 | J 1/10W |
| R126-128 | | | RK73FB2A471J | CHIP R | 470 | J 1/10W |
| R129 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W |
| R130-132 | | | RK73FB2A473J | CHIP R | 47K | J 1/10W |
| R137-140 | | | RK73FB2A102J | CHIP R | 1.0K | J 1/10W |
| R137-140 | | | RK73FB2A102J | CHIP R | 1.0K | J 1/10W |
| R137-140 | | | RK73FB2A102J | CHIP R | 1.0K | J 1/10W |
| R137-140 | | | RK73FB2A102J | CHIP R | 1.0K | J 1/10W |
| R141 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W |
| R142 | | | RK73FB2A473J | CHIP R | 47K | J 1/10W |
| R144, 145 | | | RK73FB2A473J | CHIP R | 47K | J 1/10W |
| R146 | | | RK73FB2A223J | CHIP R | 22K | J 1/10W |
| R147 | | | RK73FB2A473J | CHIP R | 47K | J 1/10W |
| R148 | | | RK73FB2A473J | CHIP R | 47K | J 1/10W |
| R148 | | | RK73FB2A473J | CHIP R | 47K | J 1/10W |
| R148 | | | RK73FB2A473J | CHIP R | 47K | J 1/10W |
| R149 | | | RK73FB2A473J | CHIP R | 47K | J 1/10W |
| R150 | | | RK73FB2A473J | CHIP R | 47K | J 1/10W |
| R151 | | | RK73FB2A105J | CHIP R | 1.0M | J 1/10W |
| R152, 153 | | | RK73FB2A473J | CHIP R | 47K | J 1/10W |

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|----------|----------|-----------|--------------|---------------------------|--------------|----------|
| R155 | | | RK73FB2A473J | CHIP R 47K J 1/10W | | |
| R157 | | | RK73FB2A473J | CHIP R 47K J 1/10W | C7M7 | |
| R157 | | | RK73FB2A473J | CHIP R 47K J 1/10W | E5M5M6 | |
| R157 | | | RK73FB2A473J | CHIP R 47K J 1/10W | T5K5 | |
| R158 | | | RK73FB2A473J | CHIP R 47K J 1/10W | E9K0Y9 | |
| R158 | | | RK73FB2A473J | CHIP R 47K J 1/10W | M9M0T9 | |
| R159 | | | RK73FB2A473J | CHIP R 47K J 1/10W | M6K5C7 | |
| R159 | | | RK73FB2A473J | CHIP R 47K J 1/10W | M7 | |
| R159 | | | RK73FB2A473J | CHIP R 47K J 1/10W | T5E5M5 | |
| R160 | | | RK73FB2A473J | CHIP R 47K J 1/10W | E9K9Y9 | |
| R160 | | | RK73FB2A473J | CHIP R 47K J 1/10W | M9M0T9 | |
| R161-164 | | | RK73FB2A473J | CHIP R 47K J 1/10W | | |
| R165,166 | | | RK73FB2A332J | CHIP R 3.3K J 1/10W | C7M7 | |
| R165,166 | | | RK73FB2A473J | CHIP R 47K J 1/10W | E9T9K9 | |
| R165,166 | | | RK73FB2A473J | CHIP R 47K J 1/10W | M6K5 | |
| R165,166 | | | RK73FB2A473J | CHIP R 47K J 1/10W | T5E5M5 | |
| R165,166 | | | RK73FB2A473J | CHIP R 47K J 1/10W | Y9M9M0 | |
| R170 | | | RK73FB2A563J | CHIP R 56K J 1/10W | | |
| R171 | | | RK73FB2A104J | CHIP R 100K J 1/10W | K9 | |
| R171 | | | RK73FB2A123J | CHIP R 12K J 1/10W | K5 | |
| R171 | | | RK73FB2A273J | CHIP R 27K J 1/10W | E5 | |
| R171 | | | RK73FB2A273J | CHIP R 27K J 1/10W | M5M6T5 | |
| R171 | | | RK73FB2A274J | CHIP R 270K J 1/10W | T9E9 | |
| R171 | | | RK73FB2A274J | CHIP R 270K J 1/10W | Y9M9M0 | |
| R171 | | | RK73FB2A563J | CHIP R 56K J 1/10W | C7M7 | |
| R174 | | | RK73FB2A473J | CHIP R 47K J 1/10W | | |
| R178-180 | | | RK73FB2A473J | CHIP R 47K J 1/10W | | |
| R185-188 | | | RK73FB2A473J | CHIP R 47K J 1/10W | | |
| R189 | | | RK73FB2A223J | CHIP R 22K J 1/10W | | |
| R190 | | | RK73FB2A473J | CHIP R 47K J 1/10W | | |
| R191 | | | RK73FB2A104J | CHIP R 100K J 1/10W | | |
| R192 | | | RK73FB2A331J | CHIP R 330 J 1/10W | | |
| R193,194 | | | RK73FB2A104J | CHIP R 100K J 1/10W | | |
| R195 | | | RK73FB2A331J | CHIP R 330 J 1/10W | | |
| R196 | | | RK73FB2A104J | CHIP R 100K J 1/10W | | |
| R198 | | | RK73FB2A473J | CHIP R 47K J 1/10W | | |
| R199 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | C7M7 | |
| R200 | | | RK73FB2A561J | CHIP R 560 J 1/10W | | |
| R201 | | | RK73FB2A562J | CHIP R 5.6K J 1/10W | | |
| R202 | | | RK73FB2A392J | CHIP R 3.9K J 1/10W | | |
| R203 | | | RK73FB2A331J | CHIP R 330 J 1/10W | | |
| R204 | | | RK73FB2A122J | CHIP R 1.2K J 1/10W | | |
| R205 | | | RK73FB2A472J | CHIP R 4.7K J 1/10W | | |
| R206 | | | RK73FB2A101J | CHIP R 100 J 1/10W | | |
| R207,208 | | | RK73FB2A152J | CHIP R 1.5K J 1/10W | | |
| R209 | | | RK73FB2A392J | CHIP R 3.9K J 1/10W | | |
| R210 | | | RK73FB2A472J | CHIP R 4.7K J 1/10W | | |
| R211 | | | RK73FB2A392J | CHIP R 3.9K J 1/10W | | |
| R212 | | * | R92-1915-05 | METAL GLAZE 4.12K F 1/10W | | |
| R213 | | | RK73FB2A561J | CHIP R 560 J 1/10W | | |
| R214 | | | RK73FB2A101J | CHIP R 100 J 1/10W | | |
| R215 | | | RK73FB2A472J | CHIP R 4.7K J 1/10W | | |
| R216 | | | RK73FB2A103J | CHIP R 10K J 1/10W | | |
| R217 | | | RK73FB2A101J | CHIP R 100 J 1/10W | | |
| R218 | | | RK73FB2A222J | CHIP R 2.2K J 1/10W | | |

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|----------|----------|-----------|--------------|---------------------|--------------|----------|
| R219 | | | RK73FB2A101J | CHIP R 100 J 1/10W | | |
| R220 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | | |
| R221 | | | RK73FB2A101J | CHIP R 100 J 1/10W | | |
| R222,223 | | | RK73FB2A680J | CHIP R 68 J 1/10W | | |
| R224 | | | RK73FB2A561J | CHIP R 560 J 1/10W | | |
| R225 | | | RK73FB2A100J | CHIP R 10 J 1/10W | | |
| R226 | | | RK73FB2A392J | CHIP R 3.9K J 1/10W | | |
| R227 | | | RK73FB2A471J | CHIP R 470 J 1/10W | | |
| R228 | | | RK73FB2A472J | CHIP R 4.7K J 1/10W | | |
| R229 | | | RK73FB2A104J | CHIP R 100K J 1/10W | | |
| R230 | | | RK73FB2A472J | CHIP R 4.7K J 1/10W | | |
| R231 | | | RK73FB2A103J | CHIP R 10K J 1/10W | | |
| R232 | | | RK73FB2A101J | CHIP R 100 J 1/10W | | |
| R233 | | | RK73FB2A222J | CHIP R 2.2K J 1/10W | | |
| R234 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | | |
| R235,236 | | | RK73FB2A101J | CHIP R 100 J 1/10W | | |
| R237 | | | RK73FB2A680J | CHIP R 68 J 1/10W | | |
| R238 | | | RK73FB2A680J | CHIP R 68 J 1/10W | T9E9K9 | |
| R238 | | | RK73FB2A680J | CHIP R 68 J 1/10W | Y9M9M0 | |
| R239 | | | RK73FB2A680J | CHIP R 68 J 1/10W | | |
| R240 | | | RK73FB2A680J | CHIP R 68 J 1/10W | T9E9K9 | |
| R240 | | | RK73FB2A680J | CHIP R 68 J 1/10W | Y9M9M0 | |
| R247 | | | RK73FB2A103J | CHIP R 10K J 1/10W | | |
| R248 | | | RK73FB2A101J | CHIP R 100 J 1/10W | | |
| R249 | | | RK73FB2A472J | CHIP R 4.7K J 1/10W | | |
| R250 | | | RK73FB2A101J | CHIP R 100 J 1/10W | | |
| R251-253 | | | RK73FB2A122J | CHIP R 1.2K J 1/10W | | |
| R254-256 | | | RK73FB2A680J | CHIP R 68 J 1/10W | | |
| R257 | | | RK73FB2A561J | CHIP R 560 J 1/10W | | |
| R258 | | | RK73FB2A392J | CHIP R 3.9K J 1/10W | | |
| R259 | | | RK73FB2A562J | CHIP R 5.6K J 1/10W | | |
| R260 | | | RK73FB2A751J | CHIP R 750 J 1/10W | | |
| R261 | | | RK73FB2A821J | CHIP R 820 J 1/10W | | |
| R262 | | | RK73FB2A472J | CHIP R 4.7K J 1/10W | | |
| R263 | | | RK73FB2A103J | CHIP R 10K J 1/10W | | |
| R264 | | | RK73FB2A101J | CHIP R 100 J 1/10W | | |
| R265 | | | RK73FB2A472J | CHIP R 4.7K J 1/10W | | |
| R266 | | | RK73FB2A101J | CHIP R 100 J 1/10W | | |
| R267,268 | | | RK73FB2A122J | CHIP R 1.2K J 1/10W | | |
| R269 | | | RK73FB2A561J | CHIP R 560 J 1/10W | | |
| R270 | | | RK73FB2A392J | CHIP R 3.9K J 1/10W | | |
| R271 | | | RK73FB2A562J | CHIP R 5.6K J 1/10W | | |
| R272 | | | RK73FB2A751J | CHIP R 750 J 1/10W | | |
| R273 | | | RK73FB2A821J | CHIP R 820 J 1/10W | | |
| R274 | | | RK73FB2A472J | CHIP R 4.7K J 1/10W | | |
| R275 | | | RK73FB2A103J | CHIP R 10K J 1/10W | | |
| R276 | | | RK73FB2A101J | CHIP R 100 J 1/10W | | |
| R277 | | | RK73FB2A472J | CHIP R 4.7K J 1/10W | | |
| R278 | | | RK73FB2A101J | CHIP R 100 J 1/10W | | |
| R279,280 | | | RK73FB2A122J | CHIP R 1.2K J 1/10W | | |
| R281 | | | RK73FB2A472J | CHIP R 4.7K J 1/10W | | |
| R282 | | | RK73FB2A332J | CHIP R 3.3K J 1/10W | | |
| R283 | | | RK73FB2A273J | CHIP R 27K J 1/10W | | |
| R284 | | | RK73FB2A224J | CHIP R 220K J 1/10W | | |
| R285 | | | RK73FB2A683J | CHIP R 68K J 1/10W | | |

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|------------|----------|-----------|--------------|---------------------|--------------|----------|
| R286 | | | RK73FB2A563J | CHIP R 56K J 1/10W | | |
| R287 | | | RK73FB2A224J | CHIP R 220K J 1/10W | | |
| R288 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | | |
| R289 | | | RK73FB2A222J | CHIP R 2.2K J 1/10W | | |
| R290 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | | |
| R291 | | | RK73FB2A222J | CHIP R 2.2K J 1/10W | | |
| R292-295 | | | RK73FB2A472J | CHIP R 4.7K J 1/10W | | |
| R296 | | | RK73FB2A272J | CHIP R 2.7K J 1/10W | | |
| R297 | | | RK73FB2A101J | CHIP R 100 J 1/10W | | |
| R298 | | | RK73FB2A272J | CHIP R 2.7K J 1/10W | | |
| R299 | | | RK73FB2A101J | CHIP R 100 J 1/10W | | |
| R302 | | | RK73FB2A272J | CHIP R 2.7K J 1/10W | K5K9Y9 | |
| R303 | | | RK73FB2A101J | CHIP R 100 J 1/10W | K5K9Y9 | |
| R304 | | | RK73FB2A272J | CHIP R 2.7K J 1/10W | K5K9Y9 | |
| R305 | | | RK73FB2A101J | CHIP R 100 J 1/10W | K5K9Y9 | |
| △ R307,308 | | | RK73FB2A1R0J | CHIP R 1 J 1/10W | | |
| R311 | | | RK73FB2A103J | CHIP R 10K J 1/10W | | |
| R312 | | | RK73FB2A822J | CHIP R 8.2K J 1/10W | | |
| R402,403 | | | RK73FB2A752J | CHIP R 7.5K J 1/10W | | |
| R404,405 | | | RK73FB2A153J | CHIP R 15K J 1/10W | | |
| R406-411 | | | RK73FB2A221J | CHIP R 220 J 1/10W | | |
| R412,413 | | | RK73FB2A470J | CHIP R 47 J 1/10W | | |
| R414,415 | | | RK73FB2A104J | CHIP R 100K J 1/10W | | |
| R416,417 | | | RK73FB2A470J | CHIP R 47 J 1/10W | | |
| R418,419 | | | RK73FB2A104J | CHIP R 100K J 1/10W | | |
| R420,421 | | | RK73FB2A470J | CHIP R 47 J 1/10W | | |
| R422,423 | | | RK73FB2A104J | CHIP R 100K J 1/10W | | |
| R424-427 | | | RK73FB2A181J | CHIP R 180 J 1/10W | | |
| R428,429 | | | RK73FB2A151J | CHIP R 150 J 1/10W | | |
| R430,431 | | | RK73FB2A470J | CHIP R 47 J 1/10W | T9E9K9 | |
| R430,431 | | | RK73FB2A470J | CHIP R 47 J 1/10W | Y9M9M0 | |
| R432,433 | | | RK73FB2A821J | CHIP R 820 J 1/10W | C7M7 | |
| R434,435 | | | RK73FB2A104J | CHIP R 100K J 1/10W | E5C7M7 | |
| R434,435 | | | RK73FB2A104J | CHIP R 100K J 1/10W | M5M6T5 | |
| R434,435 | | | RK73FB2A104J | CHIP R 100K J 1/10W | T9E9K9 | |
| R434,435 | | | RK73FB2A104J | CHIP R 100K J 1/10W | Y9M9M0 | |
| R436,437 | | | RK73FB2A181J | CHIP R 180 J 1/10W | E5C7M7 | |
| R436,437 | | | RK73FB2A181J | CHIP R 180 J 1/10W | T9E9 | |
| R436,437 | | | RK73FB2A181J | CHIP R 180 J 1/10W | Y9M9M0 | |
| R436,437 | | | RK73FB2A181J | CHIP R 180 J 1/10W | T9E9K9 | |
| R436,437 | | | RK73FB2A181J | CHIP R 180 J 1/10W | Y9M9M0 | |
| R438,439 | | | RK73FB2A181J | CHIP R 180 J 1/10W | E9Y9C7 | |
| R438,439 | | | RK73FB2A181J | CHIP R 180 J 1/10W | M6T5 | |
| R438,439 | | | RK73FB2A181J | CHIP R 180 J 1/10W | M7E5M5 | |
| R438,439 | | | RK73FB2A181J | CHIP R 180 J 1/10W | M9MOT9 | |
| R440,441 | | | RK73FB2A151J | CHIP R 150 J 1/10W | E5C7M7 | |
| R440,441 | | | RK73FB2A151J | CHIP R 150 J 1/10W | M5M6T5 | |
| R440,441 | | | RK73FB2A151J | CHIP R 150 J 1/10W | T9E9 | |
| R440,441 | | | RK73FB2A151J | CHIP R 150 J 1/10W | Y9M9M0 | |
| R442,443 | | | RK73FB2A821J | CHIP R 820 J 1/10W | C7M7 | |
| R446,447 | | | RK73FB2A362J | CHIP R 3.6K J 1/10W | E5C7M7 | |
| R446,447 | | | RK73FB2A362J | CHIP R 3.6K J 1/10W | M5M6T5 | |
| R446,447 | | | RK73FB2A362J | CHIP R 3.6K J 1/10W | T9E9 | |
| R448-451 | | | RK73FB2A392J | CHIP R 3.9K J 1/10W | Y9M9M0 | |
| R448-451 | | | RK73FB2A392J | CHIP R 3.9K J 1/10W | M5M6T5 | |

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| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|----------|----------|-----------|--------------|---------------------|--------------|----------|
| R448-451 | | | RK73FB2A392J | CHIP R 3.9K J 1/10W | T9E9 | |
| R448-451 | | | RK73FB2A392J | CHIP R 3.9K J 1/10W | Y9M9M0 | |
| R452,453 | | | RK73FB2A470J | CHIP R 47 J 1/10W | E5C7M7 | |
| R452,453 | | | RK73FB2A470J | CHIP R 47 J 1/10W | M5M6T5 | |
| R452,453 | | | RK73FB2A470J | CHIP R 47 J 1/10W | T9E9 | |
| R452,453 | | | RK73FB2A470J | CHIP R 47 J 1/10W | Y9M9M0 | |
| R454,455 | | | RK73FB2A222J | CHIP R 2.2K J 1/10W | E5C7M7 | |
| R454,455 | | | RK73FB2A222J | CHIP R 2.2K J 1/10W | M5M6T5 | |
| R454,455 | | | RK73FB2A222J | CHIP R 2.2K J 1/10W | T9E9 | |
| R454,455 | | | RK73FB2A222J | CHIP R 2.2K J 1/10W | Y9M9M0 | |
| R456,457 | | | RK73FB2A512J | CHIP R 5.1K J 1/10W | E5C7M7 | |
| R456,457 | | | RK73FB2A512J | CHIP R 5.1K J 1/10W | M5M6T5 | |
| R456,457 | | | RK73FB2A512J | CHIP R 5.1K J 1/10W | T9E9 | |
| R456,457 | | | RK73FB2A512J | CHIP R 5.1K J 1/10W | Y9M9M0 | |
| R458,459 | | | RK73FB2A183J | CHIP R 18K J 1/10W | E5C7M7 | |
| R458,459 | | | RK73FB2A183J | CHIP R 18K J 1/10W | M5M6T5 | |
| R458,459 | | | RK73FB2A183J | CHIP R 18K J 1/10W | T9E9 | |
| R460,461 | | | RK73FB2A470J | CHIP R 47 J 1/10W | Y9M9M0 | |
| R460,461 | | | RK73FB2A470J | CHIP R 47 J 1/10W | E5C7M7 | |
| R460,461 | | | RK73FB2A470J | CHIP R 47 J 1/10W | T9E9 | |
| R460,461 | | | RK73FB2A470J | CHIP R 47 J 1/10W | Y9M9M0 | |
| R462,463 | | | RK73FB2A104J | CHIP R 100K J 1/10W | E5C7M7 | |
| R462,463 | | | RK73FB2A104J | CHIP R 100K J 1/10W | M5M6T5 | |
| R462,463 | | | RK73FB2A104J | CHIP R 100K J 1/10W | T9E9 | |
| R462,463 | | | RK73FB2A104J | CHIP R 100K J 1/10W | Y9M9M0 | |
| R464-467 | | | RK73FB2A181J | CHIP R 180 J 1/10W | E5C7M7 | |
| R464-467 | | | RK73FB2A181J | CHIP R 180 J 1/10W | T9E9 | |
| R464-467 | | | RK73FB2A181J | CHIP R 180 J 1/10W | Y9M9M0 | |
| R464-467 | | | RK73FB2A181J | CHIP R 180 J 1/10W | E5C7M7 | |
| R468,469 | | | RK73FB2A151J | CHIP R 150 J 1/10W | M5M6T5 | |
| R468,469 | | | RK73FB2A151J | CHIP R 150 J 1/10W | T9E9 | |
| R468,469 | | | RK73FB2A151J | CHIP R 150 J 1/10W | Y9M9M0 | |
| R472-475 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | E5C7M7 | |
| R472-475 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | T9E9 | |
| R472-475 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | Y9M9M0 | |
| R478,479 | | | RK73FB2A362J | CHIP R 3.6K J 1/10W | E5C7M7 | |
| R478,479 | | | RK73FB2A362J | CHIP R 3.6K J 1/10W | M5M6T5 | |
| R478,479 | | | RK73FB2A362J | CHIP R 3.6K J 1/10W | T9E9 | |
| R478,479 | | | RK73FB2A362J | CHIP R 3.6K J 1/10W | Y9M9M0 | |
| R480-483 | | | RK73FB2A392J | CHIP R 3.9K J 1/10W | E5C7M7 | |
| R480-483 | | | RK73FB2A392J | CHIP R 3.9K J 1/10W | T9E9 | |
| R480-483 | | | RK73FB2A392J | CHIP R 3.9K J 1/10W | Y9M9M0 | |
| R480-483 | | | RK73FB2A392J | CHIP R 3.9K J 1/10W | E5C7M7 | |
| R484,485 | | | RK73FB2A392J | CHIP R 3.9K J 1/10W | Y9M9M0 | |
| R484,485 | | | RK73FB2A470J | CHIP R 47 J 1/10W | E5C7M7 | |
| R484,485 | | | RK73FB2A470J | CHIP R 47 J 1/10W | T9E9 | |
| R484,485 | | | RK73FB2A470J | CHIP R 47 J 1/10W | Y9M9M0 | |
| R486,487 | | | RK73FB2A222J | CHIP R 2.2K J 1/10W | E5C7M7 | |
| R486,487 | | | RK73FB2A222J | CHIP R 2.2K J 1/10W | M5M6T5 | |
| R486,487 | | | RK73FB2A222J | CHIP R 2.2K J 1/10W | T9E9 | |
| R486,487 | | | RK73FB2A222J | CHIP R 2.2K J 1/10W | Y9M9M0 | |
| R488,489 | | | RK73FB2A512J | CHIP R 5.1K J 1/10W | E5C7M7 | |

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| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks | |
|----------|----------|-----------|--------------|-------------|--------------|----------|--------|
| R488,489 | | | RK73FB2A512J | CHIP R | 5.1K | J 1/10W | M5M6T5 |
| R488,489 | | | RK73FB2A512J | CHIP R | 5.1K | J 1/10W | T9E9 |
| R488,489 | | | RK73FB2A512J | CHIP R | 5.1K | J 1/10W | Y9M9M0 |
| R490,491 | | | RK73FB2A183J | CHIP R | 18K | J 1/10W | E5C7M7 |
| R490,491 | | | RK73FB2A183J | CHIP R | 18K | J 1/10W | M5M6T5 |
| R490,491 | | | RK73FB2A183J | CHIP R | 18K | J 1/10W | T9E9 |
| R490,491 | | | RK73FB2A183J | CHIP R | 18K | J 1/10W | Y9M9M0 |
| R492,493 | | | RK73FB2A470J | CHIP R | 47 | J 1/10W | E5C7M7 |
| R492,493 | | | RK73FB2A470J | CHIP R | 47 | J 1/10W | M5M6T5 |
| R492,493 | | | RK73FB2A470J | CHIP R | 47 | J 1/10W | T9E9 |
| R492,493 | | | RK73FB2A470J | CHIP R | 47 | J 1/10W | Y9M9M0 |
| R494,495 | | | RK73FB2A104J | CHIP R | 100K | J 1/10W | E5C7M7 |
| R494,495 | | | RK73FB2A104J | CHIP R | 100K | J 1/10W | M5M6T5 |
| R494,495 | | | RK73FB2A104J | CHIP R | 100K | J 1/10W | T9E9 |
| R494,495 | | | RK73FB2A104J | CHIP R | 100K | J 1/10W | Y9M9M0 |
| R496,497 | | | RK73FB2A181J | CHIP R | 180 | J 1/10W | E5C7M7 |
| R496,497 | | | RK73FB2A181J | CHIP R | 180 | J 1/10W | M5M6T5 |
| R496,497 | | | RK73FB2A181J | CHIP R | 180 | J 1/10W | T9E9 |
| R496,497 | | | RK73FB2A181J | CHIP R | 180 | J 1/10W | Y9M9M0 |
| R498,499 | | | RK73FB2A102J | CHIP R | 1.0K | J 1/10W | M5M6T5 |
| R498,499 | | | RK73FB2A102J | CHIP R | 1.0K | J 1/10W | T9E9K9 |
| R498,499 | | | RK73FB2A102J | CHIP R | 1.0K | J 1/10W | Y9M9M0 |
| R500,501 | | | RK73FB2A181J | CHIP R | 180 | J 1/10W | E5C7M7 |
| R500,501 | | | RK73FB2A181J | CHIP R | 180 | J 1/10W | M5M6T5 |
| R500,501 | | | RK73FB2A181J | CHIP R | 180 | J 1/10W | M9M0Y9 |
| R500,501 | | | RK73FB2A181J | CHIP R | 180 | J 1/10W | T9E9K9 |
| R502,503 | | | RK73FB2A151J | CHIP R | 150 | J 1/10W | |
| R504,505 | | | RK73FB2A102J | CHIP R | 1.0K | J 1/10W | E5C7M7 |
| R504,505 | | | RK73FB2A102J | CHIP R | 1.0K | J 1/10W | M5M6T5 |
| R504,505 | | | RK73FB2A102J | CHIP R | 1.0K | J 1/10W | T9E9K9 |
| R504,505 | | | RK73FB2A102J | CHIP R | 1.0K | J 1/10W | Y9M9M0 |
| R508,509 | | | RK73FB2A302J | CHIP R | 3.0K | J 1/10W | E5C7M7 |
| R508,509 | | | RK73FB2A302J | CHIP R | 3.0K | J 1/10W | M5M6T5 |
| R508,509 | | | RK73FB2A302J | CHIP R | 3.0K | J 1/10W | T9E9 |
| R508,509 | | | RK73FB2A302J | CHIP R | 3.0K | J 1/10W | Y9M9M0 |
| R510,511 | | | RK73FB2A222J | CHIP R | 2.2K | J 1/10W | E5C7M7 |
| R510,511 | | | RK73FB2A222J | CHIP R | 2.2K | J 1/10W | M5M6T5 |
| R510,511 | | | RK73FB2A222J | CHIP R | 2.2K | J 1/10W | T9E9 |
| R510,511 | | | RK73FB2A222J | CHIP R | 2.2K | J 1/10W | Y9M9M0 |
| R512,513 | | | RK73FB2A302J | CHIP R | 3.0K | J 1/10W | E5C7M7 |
| R512,513 | | | RK73FB2A302J | CHIP R | 3.0K | J 1/10W | M5M6T5 |
| R512,513 | | | RK73FB2A302J | CHIP R | 3.0K | J 1/10W | T9E9 |
| R512,513 | | | RK73FB2A302J | CHIP R | 3.0K | J 1/10W | Y9M9M0 |
| R514 | | | RK73FB2A222J | CHIP R | 2.2K | J 1/10W | E5C7M7 |
| R514 | | | RK73FB2A222J | CHIP R | 2.2K | J 1/10W | M5M6T5 |
| R514 | | | RK73FB2A222J | CHIP R | 2.2K | J 1/10W | T9E9 |
| R514 | | | RK73FB2A222J | CHIP R | 2.2K | J 1/10W | Y9M9M0 |
| R515 | | | RK73FB2A302J | CHIP R | 3.0K | J 1/10W | E5C7M7 |
| R515 | | | RK73FB2A302J | CHIP R | 3.0K | J 1/10W | M5M6T5 |
| R515 | | | RK73FB2A302J | CHIP R | 3.0K | J 1/10W | T9E9 |
| R515 | | | RK73FB2A302J | CHIP R | 3.0K | J 1/10W | Y9M9M0 |
| R516 | | | RK73FB2A222J | CHIP R | 2.2K | J 1/10W | E5C7M7 |
| R516 | | | RK73FB2A222J | CHIP R | 2.2K | J 1/10W | M5M6T5 |
| R516 | | | RK73FB2A222J | CHIP R | 2.2K | J 1/10W | T9E9 |

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| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks | |
|----------|----------|-----------|--------------|-------------|--------------|----------|--------|
| R516 | | | RK73FB2A222J | CHIP R | 2.2K | J 1/10W | Y9M9M0 |
| R519 | | | RK73FB2A222J | CHIP R | 2.2K | J 1/10W | E5C7M7 |
| R519 | | | RK73FB2A222J | CHIP R | 2.2K | J 1/10W | M5M6T5 |
| R519 | | | RK73FB2A222J | CHIP R | 2.2K | J 1/10W | T9E9 |
| R519 | | | RK73FB2A222J | CHIP R | 2.2K | J 1/10W | Y9M9M0 |
| R520 | | | RK73FB2A302J | CHIP R | 3.0K | J 1/10W | E5C7M7 |
| R520 | | | RK73FB2A302J | CHIP R | 3.0K | J 1/10W | M5M6T5 |
| R520 | | | RK73FB2A302J | CHIP R | 3.0K | J 1/10W | T9E9 |
| R520 | | | RK73FB2A302J | CHIP R | 3.0K | J 1/10W | Y9M9M0 |
| R521 | | | RK73FB2A222J | CHIP R | 2.2K | J 1/10W | E5C7M7 |
| R521 | | | RK73FB2A222J | CHIP R | 2.2K | J 1/10W | M5M6T5 |
| R521 | | | RK73FB2A222J | CHIP R | 2.2K | J 1/10W | T9E9 |
| R521 | | | RK73FB2A222J | CHIP R | 2.2K | J 1/10W | Y9M9M0 |
| R522,523 | | | RK73FB2A302J | CHIP R | 3.0K | J 1/10W | E5C7M7 |
| R522,523 | | | RK73FB2A302J | CHIP R | 3.0K | J 1/10W | M5M6T5 |
| R522,523 | | | RK73FB2A302J | CHIP R | 3.0K | J 1/10W | T9E9 |
| R522,523 | | | RK73FB2A302J | CHIP R | 3.0K | J 1/10W | Y9M9M0 |
| R524,525 | | | RK73FB2A470J | CHIP R | 47 | J 1/10W | E5C7M7 |
| R524,525 | | | RK73FB2A470J | CHIP R | 47 | J 1/10W | M5M6T5 |
| R524,525 | | | RK73FB2A470J | CHIP R | 47 | J 1/10W | T9E9 |
| R524,525 | | | RK73FB2A470J | CHIP R | 47 | J 1/10W | Y9M9M0 |
| R524,525 | | | RK73FB2A470J | CHIP R | 47 | J 1/10W | E5C7M7 |
| R524,525 | | | RK73FB2A470J | CHIP R | 47 | J 1/10W | M5M6T5 |
| R524,525 | | | RK73FB2A470J | CHIP R | 47 | J 1/10W | T9E9 |
| R524,525 | | | RK73FB2A470J | CHIP R | 47 | J 1/10W | Y9M9M0 |
| R528 | | | RK73FB2A683J | CHIP R | 68K | J 1/10W | C7M7 |
| R529 | | | RK73FB2A512J | CHIP R | 5.1K | J 1/10W | C7M7 |
| R530 | | | RK73FB2A563J | CHIP R | 56K | J 1/10W | C7M7 |
| R531 | | | RK73FB2A103J | CHIP R | 10K | J 1/10W | C7M7 |
| R532 | | | RK73FB2A222J | CHIP R | 2.2K | J 1/10W | C7M7 |
| R533 | | | RK73FB2A103J | CHIP R | 10K | J 1/10W | C7M7 |
| R534 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W | E5C7M7 |
| R534 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W | M5M6T5 |
| R534 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W | T9E9 |
| R534 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W | Y9M9M0 |
| R535,536 | | | RK73FB2A472J | CHIP R | 4.7K | J 1/10W | C7M7 |
| R537,538 | | | RK73FB2A432J | CHIP R | 4.3K | J 1/10W | C7M7 |
| R539 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W | K9M9M0 |
| R539 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W | T9E9 |
| R540,541 | | | RK73FB2A470J | CHIP R | 47 | J 1/10W | |
| R542 | | | RK73FB2A103J | CHIP R | 10K | J 1/10W | C7M7 |
| R543 | | | RK73FB2A223J | CHIP R | 22K | J 1/10W | C7M7 |
| R544,545 | | | RK73FB2A102J | CHIP R | 1.0K | J 1/10W | C7M7 |
| R546 | | | RK73FB2A272J | CHIP R | 2.7K | J 1/10W | |
| R547,548 | | | RK73FB2A102J | CHIP R | 1.0K | J 1/10W | C7M7 |
| R550-552 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W | |
| R553 | | | RK73FB2A100J | CHIP R | 10 | J 1/10W | |
| R554 | | | RK73FB2A4R7J | CHIP R | 4.7 | J 1/10W | |
| R555 | | | RK73FB2A102J | CHIP R | 1.0K | J 1/10W | |
| R556 | | | RK73FB2A472J | CHIP R | 4.7K | J 1/10W | |
| R557-559 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W | E5C7M7 |
| R557-559 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W | M5M6T5 |
| R557-559 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W | T9E9 |
| R557-559 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W | Y9M9M0 |
| R560 | | | RK73FB2A100J | CHIP R | 10 | J 1/10W | E5C7M7 |
| R560 | | | RK73FB2A100J | CHIP R | 10 | J 1/10W | M5M6T5 |
| R560 | | | RK73FB2A100J | CHIP R | 10 | J 1/10W | T9E9 |

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PARTS LIST

DV-203/2070/DVF-5010/9010/K7010

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| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|----------|----------|-----------|--------------|---------------------|--------------|----------|
| R560 | | | RK73FB2A100J | CHIP R 10 J 1/10W | Y9M9M0 | |
| R561 | | | RK73FB2A447J | CHIP R 4.7 J 1/10W | E5C7M7 | |
| R561 | | | RK73FB2A447J | CHIP R 4.7 J 1/10W | M5M6T5 | |
| R561 | | | RK73FB2A447J | CHIP R 4.7 J 1/10W | T9E9 | |
| R561 | | | RK73FB2A447J | CHIP R 4.7 J 1/10W | Y9M9M0 | |
| R562 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | E5C7M7 | |
| R562 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | M5M6T5 | |
| R562 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | T9E9 | |
| R562 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | Y9M9M0 | |
| R563 | | | RK73FB2A222J | CHIP R 2.2K J 1/10W | E5C7M7 | |
| R563 | | | RK73FB2A222J | CHIP R 2.2K J 1/10W | M5M6T5 | |
| R563 | | | RK73FB2A222J | CHIP R 2.2K J 1/10W | T9E9 | |
| R563 | | | RK73FB2A222J | CHIP R 2.2K J 1/10W | Y9M9M0 | |
| R564 | | | RK73FB2A223J | CHIP R 2.2K J 1/10W | E5C7M7 | |
| R564 | | | RK73FB2A223J | CHIP R 2.2K J 1/10W | M5M6T5 | |
| R564 | | | RK73FB2A223J | CHIP R 2.2K J 1/10W | T9E9 | |
| R564 | | | RK73FB2A223J | CHIP R 2.2K J 1/10W | Y9M9M0 | |
| R565-567 | | | RK73FB2A101J | CHIP R 100 J 1/10W | E5C7M7 | |
| R565-567 | | | RK73FB2A101J | CHIP R 100 J 1/10W | M5M6T5 | |
| R565-567 | | | RK73FB2A101J | CHIP R 100 J 1/10W | T9E9 | |
| R565-567 | | | RK73FB2A101J | CHIP R 100 J 1/10W | Y9M9M0 | |
| R568 | | | RK73FB2A100J | CHIP R 10 J 1/10W | E5C7M7 | |
| R568 | | | RK73FB2A100J | CHIP R 10 J 1/10W | M5M6T5 | |
| R568 | | | RK73FB2A100J | CHIP R 10 J 1/10W | T9E9 | |
| R568 | | | RK73FB2A100J | CHIP R 10 J 1/10W | Y9M9M0 | |
| R569 | | | RK73FB2A447J | CHIP R 4.7 J 1/10W | E5C7M7 | |
| R569 | | | RK73FB2A447J | CHIP R 4.7 J 1/10W | M5M6T5 | |
| R569 | | | RK73FB2A447J | CHIP R 4.7 J 1/10W | T9E9 | |
| R569 | | | RK73FB2A447J | CHIP R 4.7 J 1/10W | Y9M9M0 | |
| R570 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | E5C7M7 | |
| R570 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | M5M6T5 | |
| R570 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | T9E9 | |
| R570 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | Y9M9M0 | |
| R571 | | | RK73FB2A222J | CHIP R 2.2K J 1/10W | E5C7M7 | |
| R571 | | | RK73FB2A222J | CHIP R 2.2K J 1/10W | M5M6T5 | |
| R571 | | | RK73FB2A222J | CHIP R 2.2K J 1/10W | T9E9 | |
| R571 | | | RK73FB2A222J | CHIP R 2.2K J 1/10W | Y9M9M0 | |
| R575-578 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | K5 | |
| R575-578 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | K9 | |
| R575-578 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | E5C7M7 | |
| R575-582 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | M5M6T5 | |
| R575-582 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | T9E9 | |
| R575-582 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | Y9M9M0 | |
| R583 | | | RK73FB2A103J | CHIP R 10K J 1/10W | | |
| R584 | | | RK73FB2A224J | CHIP R 220K J 1/10W | | |
| R585 | | | RK73FB2A103J | CHIP R 10K J 1/10W | | |
| R586 | | | RK73FB2A562J | CHIP R 5.6K J 1/10W | | |
| R587 | | | RK73FB2A562J | CHIP R 5.6K J 1/10W | E5C7M7 | |
| R587 | | | RK73FB2A562J | CHIP R 5.6K J 1/10W | M5M6T5 | |
| R587 | | | RK73FB2A562J | CHIP R 5.6K J 1/10W | T9E9 | |
| R587 | | | RK73FB2A562J | CHIP R 5.6K J 1/10W | Y9M9M0 | |
| R588 | | | RK73FB2A562J | CHIP R 5.6K J 1/10W | | |
| R589 | | | RK73FB2A562J | CHIP R 5.6K J 1/10W | E5C7M7 | |
| R589 | | | RK73FB2A562J | CHIP R 5.6K J 1/10W | M5M6T5 | |
| R589 | | | RK73FB2A562J | CHIP R 5.6K J 1/10W | T9E9 | |

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|----------|----------|-----------|--------------|---------------------|--------------|----------|
| R589 | | | RK73FB2A562J | CHIP R 5.6K J 1/10W | Y9M9M0 | |
| R590 | | | RK73FB2A472J | CHIP R 4.7K J 1/10W | | |
| R591 | | | RK73FB2A104J | CHIP R 100K J 1/10W | | |
| R600 | | | RK73FB2A241J | CHIP R 240 J 1/10W | E5C7M7 | |
| R600 | | | RK73FB2A241J | CHIP R 240 J 1/10W | M5M6T5 | |
| R600 | | | RK73FB2A241J | CHIP R 240 J 1/10W | T9E9 | |
| R600 | | | RK73FB2A241J | CHIP R 240 J 1/10W | Y9M9M0 | |
| R601 | | | RK73FB2A181J | CHIP R 180 J 1/10W | | |
| R602 | | | RK73FB2A750J | CHIP R 75 J 1/10W | | |
| R603 | | | RK73FB2A220J | CHIP R 22 J 1/10W | | |
| R604 | | | RK73FB2A447J | CHIP R 4.7 J 1/10W | | |
| R605,606 | | | RK73FB2A331J | CHIP R 330 J 1/10W | | |
| R607,608 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | | |
| R609 | | | RK73FB2A393J | CHIP R 39K J 1/10W | E5M5M6 | |
| R609 | | | RK73FB2A393J | CHIP R 39K J 1/10W | E9K9Y9 | |
| R609 | | | RK73FB2A393J | CHIP R 39K J 1/10W | M9M0T9 | |
| R609 | | | RK73FB2A393J | CHIP R 39K J 1/10W | T5K5 | |
| R610 | | | RK73FB2A105J | CHIP R 1.0M J 1/10W | E5M5M6 | |
| R610 | | | RK73FB2A105J | CHIP R 1.0M J 1/10W | E9K9Y9 | |
| R610 | | | RK73FB2A105J | CHIP R 1.0M J 1/10W | M9M0T9 | |
| R610 | | | RK73FB2A105J | CHIP R 1.0M J 1/10W | T5K5 | |
| R611 | | | RK73FB2A473J | CHIP R 47K J 1/10W | K5T5E5 | |
| R611 | | | RK73FB2A473J | CHIP R 47K J 1/10W | M5M6 | |
| R611 | | | RK73FB2A473J | CHIP R 47K J 1/10W | T9E9K9 | |
| R611 | | | RK73FB2A473J | CHIP R 47K J 1/10W | Y9M9M0 | |
| R612-625 | | | RK73FB2A473J | CHIP R 47K J 1/10W | | |
| R626 | | | RK73FB2A241J | CHIP R 240 J 1/10W | E5C7M7 | |
| R626 | | | RK73FB2A241J | CHIP R 240 J 1/10W | M5M6T6 | |
| R626 | | | RK73FB2A241J | CHIP R 240 J 1/10W | T9E9 | |
| R626 | | | RK73FB2A241J | CHIP R 240 J 1/10W | Y9M9M0 | |
| R627,628 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | E5C7M7 | |
| R627,628 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | M5M6T5 | |
| R627,628 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | T9E9 | |
| R627,628 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | Y9M9M0 | |
| R629 | | | RK73FB2A447J | CHIP R 4.7 J 1/10W | E5C7M7 | |
| R629 | | | RK73FB2A447J | CHIP R 4.7 J 1/10W | T9E9 | |
| R629 | | | RK73FB2A447J | CHIP R 4.7 J 1/10W | Y9M9M0 | |
| R630,631 | | | RK73FB2A241J | CHIP R 240 J 1/10W | E5C7M7 | |
| R630,631 | | | RK73FB2A241J | CHIP R 240 J 1/10W | M5M6T5 | |
| R630,631 | | | RK73FB2A241J | CHIP R 240 J 1/10W | T9E9 | |
| R630,631 | | | RK73FB2A241J | CHIP R 240 J 1/10W | Y9M9M0 | |
| R632,633 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | E5C7M7 | |
| R632,633 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | M5M6T5 | |
| R632,633 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | T9E9 | |
| R632,633 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | Y9M9M0 | |
| R634,635 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | | |
| R636-639 | | | RK73FB2A101J | CHIP R 100 J 1/10W | E5C7M7 | |
| R636-639 | | | RK73FB2A101J | CHIP R 100 J 1/10W | M5M6T5 | |
| R636-639 | | | RK73FB2A101J | CHIP R 100 J 1/10W | T9E9 | |
| R636-639 | | | RK73FB2A101J | CHIP R 100 J 1/10W | Y9M9M0 | |
| R640 | | | RK73FB2A447J | CHIP R 4.7 J 1/10W | E5C7M7 | |
| R640 | | | RK73FB2A447J | CHIP R 4.7 J 1/10W | M5M6T5 | |
| R640 | | | RK73FB2A447J | CHIP R 4.7 J 1/10W | T9E9 | |
| R640 | | | RK73FB2A447J | CHIP R 4.7 J 1/10W | Y9M9M0 | |

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|----------|----------|-----------|--------------|-----------------------------|--------------|----------|
| R641 | | | RK73FB2A103J | CHIP R 10K J 1/10W | E9 | |
| R641 | | | RK73FB2A103J | CHIP R 10K J 1/10W | M9M0T9 | |
| R644 | | | RK73FB2A104J | CHIP R 100K J 1/10W | T9E9K9 | |
| R644 | | | RK73FB2A104J | CHIP R 100K J 1/10W | Y9M9M0 | |
| R645 | | | RK73FB2A512J | CHIP R 5.1K J 1/10W | T9E9K9 | |
| R645 | | | RK73FB2A512J | CHIP R 5.1K J 1/10W | Y9M9M0 | |
| R646 | | | RK73FB2A223J | CHIP R 22K J 1/10W | E9T9K9 | |
| R646 | | | RK73FB2A223J | CHIP R 22K J 1/10W | Y9M9M0 | |
| R648 | | | RK73FB2A221J | CHIP R 220 J 1/10W | | |
| R648 | | | RK73FB2A221J | CHIP R 220 J 1/10W | C7M7 | |
| R649,650 | | | RK73FB2A8R2J | CHIP R 8.2 J 1/10W | T9E9K9 | |
| R649,650 | | | RK73FB2A8R2J | CHIP R 8.2 J 1/10W | Y9M9M0 | |
| R651 | | | RK73FB2A272J | CHIP R 2.7K J 1/10W | T9E9K9 | |
| R651 | | | RK73FB2A272J | CHIP R 2.7K J 1/10W | Y9M9M0 | |
| W1 | | | R92-0670-05 | CHIP R 0 OHM | C7M7 | |
| W2 | | | R92-0670-05 | CHIP R 0 OHM | E5C7M7 | |
| W2 | | | R92-0670-05 | CHIP R 0 OHM | K9Y9 | |
| W2 | | | R92-0670-05 | CHIP R 0 OHM | M5M6T5 | |
| W3 | | | R92-0670-05 | CHIP R 0 OHM | E5M5M6 | |
| W3 | | | R92-0670-05 | CHIP R 0 OHM | T5 | |
| W3 | | | R92-0670-05 | CHIP R 0 OHM | Y9C7M7 | |
| W4 | | | R92-0670-05 | CHIP R 0 OHM | K9K5 | |
| W9 -12 | | | R92-0670-05 | CHIP R 0 OHM | E9 | |
| W9 -12 | | | R92-0670-05 | CHIP R 0 OHM | M9M0T9 | |
| W13 | | | R92-0670-05 | CHIP R 0 OHM | E5C7M7 | |
| W13 | | | R92-0670-05 | CHIP R 0 OHM | K9Y9 | |
| W13 | | | R92-0670-05 | CHIP R 0 OHM | M5M6T5 | |
| W14 | | | R92-0670-05 | CHIP R 0 OHM | E5M5M6 | |
| W14 | | | R92-0670-05 | CHIP R 0 OHM | T5 | |
| W14 | | | R92-0670-05 | CHIP R 0 OHM | Y9C7M7 | |
| W15 -17 | | | R92-0670-05 | CHIP R 0 OHM | K9K5 | |
| W21 ,22 | | | R92-0670-05 | CHIP R 0 OHM | K5 | |
| W25 ,26 | | | R92-0670-05 | CHIP R 0 OHM | | |
| W27 | | | R92-0670-05 | CHIP R 0 OHM | K5 | |
| W27 | | | R92-0670-05 | CHIP R 0 OHM | K5E5M5 | |
| W27 | | | R92-0670-05 | CHIP R 0 OHM | M5M6T5 | |
| W27 | | | R92-0670-05 | CHIP R 0 OHM | M6T5C7 | |
| W27 | | | R92-0670-05 | CHIP R 0 OHM | M7 | |
| W27 | | | R92-0670-05 | CHIP R 0 OHM | M7C7E5 | |
| W28 ,29 | | | R92-0670-05 | CHIP R 0 OHM | E9 | |
| W28 ,29 | | | R92-0670-05 | CHIP R 0 OHM | M9M0T9 | |
| W30 | | | R92-0670-05 | CHIP R 0 OHM | E5C7M7 | |
| W30 | | | R92-0670-05 | CHIP R 0 OHM | E9Y9 | |
| W30 | | | R92-0670-05 | CHIP R 0 OHM | M5M6T5 | |
| W30 | | | R92-0670-05 | CHIP R 0 OHM | M9M0T9 | |
| W30 | | | R92-0670-05 | CHIP R 0 OHM | M9M0T9 | |
| W32 | | | R92-1835-05 | JUMPER WIRE (RESISTOR TYPE) | | |
| W34 | | | R92-0670-05 | CHIP R 0 OHM | | |
| W35 -37 | | | R92-0670-05 | CHIP R 0 OHM | K9 | |
| D1 | | | UDZ6.2B | ZENER DIODE | | |
| D2 | | | UDZ5.6B | ZENER DIODE | | |
| D3 | | | UDZ6.2B | ZENER DIODE | | |
| D4 | | | UDZ5.6B | ZENER DIODE | | |
| D7 | | | UDZ3.3B | ZENER DIODE | | |

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| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|----------|----------|-----------|---------------|----------------------|--------------|----------|
| D9 | | | DAN202U | DIODE | | |
| D10 ,11 | | | DA204U | DIODE | | |
| D100-102 | | | MA111 | DIODE | | |
| D103 | | | MA111 | DIODE | E5M5M6 | |
| D103 | | | MA111 | DIODE | T5 | |
| D103 | | | MA111 | DIODE | T9E9K9 | |
| D103 | | | MA111 | DIODE | Y9M9M0 | |
| D103 | | | MA111 | DIODE | | |
| D200 | | | MA111 | DIODE | | |
| D201,202 | | | UDZ6.2B | ZENER DIODE | | |
| D203 | | | DAN202U | DIODE | | |
| D204 | | | DAP202U | DIODE | | |
| D205 | | | DAN202U | DIODE | | |
| D206 | | | DAP202U | DIODE | | |
| D207-212 | | | U1BC44 | DIODE | | |
| D401 | | | DAN202U | DIODE | E5C7M7 | |
| D401 | | | DAN202U | DIODE | | |
| D401 | | | DAN202U | DIODE | M5M6T5 | |
| D402,403 | | | MA111 | DIODE | T9E9 | |
| D404 | | | DAN202U | DIODE | Y9M9M0 | |
| D404 | | | DAN202U | DIODE | C7M7 | |
| D405 | | | DAP202U | DIODE | E5C7M7 | |
| D405 | | | DAP202U | DIODE | M5M6T5 | |
| D405 | | | DAP202U | DIODE | T9E9 | |
| D405 | | | DAP202U | DIODE | Y9M9M0 | |
| D406 | | | DAP202U | DIODE | | |
| D424 | | | UDZ5.6B | ZENER DIODE | C7M7 | |
| IC1 | | | TL431CLP | MOS-IC | | |
| IC2 | | | M51494L | ANALOGUE IC | | |
| IC3 | | | PCM1716E | MOS-IC | | |
| IC4 ,5 | | | PCM1716E | MOS-IC | E5C7M7 | |
| IC4 ,5 | | | PCM1716E | MOS-IC | | |
| IC4 ,5 | | | PCM1716E | MOS-IC | M5M6T5 | |
| IC4 ,5 | | | PCM1716E | MOS-IC | T9E9 | |
| IC6 ,7 | | * | TC9412AF | MOS-IC | Y9M9M0 | |
| IC6 ,7 | | * | TC9412AF | MOS-IC | E5C7M7 | |
| IC6 ,7 | | * | TC9412AF | MOS-IC | M5M6T5 | |
| IC6 ,7 | | * | TC9412AF | MOS-IC | T9E9 | |
| IC8 ,9 | | * | TC9214AF | MOS-IC | Y9M9M0 | |
| IC8 ,9 | | * | TC9214AF | MOS-IC | E9 | |
| IC8 ,9 | | * | TC9214AF | MOS-IC | M9M0T9 | |
| IC10 | | | BA17805T | ANALOGUE IC | | |
| IC10 | | | UPC7805AHF | ANALOGUE IC | | |
| IC11-16 | | | NJM4580ED | ANALOGUE IC | E5C7M7 | |
| IC11-16 | | | NJM4580ED | ANALOGUE IC | M5M6T5 | |
| IC11-16 | | | NJM4580ED | ANALOGUE IC | T9E9 | |
| IC11-16 | | | NJM4580ED | ANALOGUE IC | Y9M9M0 | |
| IC11-16 | | | NJM4580ED | ANALOGUE IC | | |
| IC17-20 | | | NJM4580ED | ANALOGUE IC | | |
| IC21 | | | NJM4565M | IC(OP AMP X2) | C7M7 | |
| IC22 | | | S-80740AL-A4 | IC(VOLTAGE DETECTOR) | | |
| IC23 | | | NJU3715G | MOS-IC | E9 | |
| IC23 | | | NJU3715G | MOS-IC | M9M0T9 | |
| IC24 | | | TA8409S | MOS-IC | T9E9K9 | |
| IC24 | | | TA8409S | MOS-IC | Y9M9M0 | |
| IC25 | | | HD6433396A65F | MI-COM IC | | |
| IC26 | | | LC89170M | MOS-IC | K5T5E5 | |
| IC26 | | | LC89170M | MOS-IC | M5M6 | |

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PARTS LIST

DV-203/2070/DVF-5010/9010/K7010

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|----------|----------|-----------|---------------|----------------------|--------------|----------|
| IC26 | | | LC89170M | MOS-IC | M9M0Y9 | |
| IC26 | | | LC89170M | MOS-IC | T9E9K9 | |
| IC27 | | | TC7SHU04FU | MOS-IC | K5T5E5 | |
| IC27 | | | TC7SHU04FU | MOS-IC | M5M6 | |
| IC27 | | | TC7SHU04FU | MOS-IC | T9E9K9 | |
| IC27 | | | TC7SHU04FU | MOS-IC | Y9M9M0 | |
| IC28 | | | TC74HC14AF | IC(SCHMIDT INVERTER) | K5T5E5 | |
| IC28 | | | TC74HC14AF | IC(SCHMIDT INVERTER) | M5M6 | |
| IC28 | | | TC74HC14AF | IC(SCHMIDT INVERTER) | T9E9K9 | |
| IC28 | | | TC74HC14AF | IC(SCHMIDT INVERTER) | Y9M9M0 | |
| IC29 | | | N345256SOA-55 | MEMORY IC | K5T5E5 | |
| IC29 | | | N345256SOA-55 | MEMORY IC | M5M6 | |
| IC29 | | | N345256SOA-55 | MEMORY IC | T9E9K9 | |
| IC29 | | | N345256SOA-55 | MEMORY IC | Y9M9M0 | |
| IC30 | | | TC7SHU04FU | MOS-IC | | |
| IC31 | | * | TC9214AF | MOS-IC | C7M7 | |
| IC32 | | | TC7SHU04FU | MOS-IC | | |
| IC33 | | * | TC74VHC08FT | MOS-IC | | |
| IC34 | | | PST9128NR | ANALOGUE IC | | |
| IC35 | | | ICP-N20 | ANALOGUE IC | | |
| IC37 | | | NJM4565M | IC(OP AMP X2) | T9E9K9 | |
| IC37 | | | NJM4565M | IC(OP AMP X2) | Y9M9M0 | |
| Q1 | | | 2SD2012 | TRANSISTOR | | |
| Q2 | | | 2SC1845(F,E) | TRANSISTOR | | |
| Q3 ,4 | | | 2SC4081(R,S) | TRANSISTOR | | |
| Q5 | | | 2SA1576A(R,S) | TRANSISTOR | | |
| Q6 | | | 2SD2012 | TRANSISTOR | | |
| Q7 | | | 2SC1845(F,E) | TRANSISTOR | | |
| Q8 ,9 | | | 2SC4081(R,S) | TRANSISTOR | | |
| Q10 | | | 2SA1576A(R,S) | TRANSISTOR | | |
| Q11 | | | 2SD2012 | TRANSISTOR | | |
| Q12 | | | 2SC1845(F,E) | TRANSISTOR | | |
| Q13 ,14 | | | 2SC4081(R,S) | TRANSISTOR | | |
| Q15 | | | 2SA1576A(R,S) | TRANSISTOR | | |
| Q16 | | | 2SC4596(E,F) | TRANSISTOR | | |
| Q17 | | | 2SC2458(Y,GR) | TRANSISTOR | | |
| Q17 | | | 2SC3311A(Q,R) | TRANSISTOR | | |
| Q18 ,19 | | | 2SC4081(R,S) | TRANSISTOR | | |
| Q20 | | | 2SK246(Y,GR) | FET | | |
| Q21 | | | 2SB1375 | TRANSISTOR | | |
| Q22 | | | 2SC1845(F,E) | TRANSISTOR | | |
| Q23 | | | 2SK246(Y,GR) | FET | | |
| Q24 | | | 2SD2012 | TRANSISTOR | | |
| Q25 | | | 2SA992(F,E) | TRANSISTOR | | |
| Q26 | | | 2SK246(Y,GR) | FET | | |
| Q27 | | | DTC124EUA | DIGITAL TRANSISTOR | | |
| Q28 ,29 | | | DTA114TUA | DIGITAL TRANSISTOR | | |
| Q30 | | | 2SA1576A(R,S) | TRANSISTOR | | |
| Q31 | | | DTC124EUA | DIGITAL TRANSISTOR | | |
| Q100,101 | | | DTC124EUA | DIGITAL TRANSISTOR | T9E9K9 | |
| Q100,101 | | | DTC124EUA | DIGITAL TRANSISTOR | Y9M9M0 | |
| Q102 | | | 2SA1576A(R,S) | TRANSISTOR | T9E9K9 | |
| Q102 | | | 2SA1576A(R,S) | TRANSISTOR | Y9M9M0 | |
| Q200,201 | | | 2SC2714(O,Y) | FET | | |
| Q202,203 | | | 2SC4081(R,S) | TRANSISTOR | | |

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PARTS LIST

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| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|----------|----------|-----------|---------------|--------------------|--------------|----------|
| Q204,205 | | | 2SC2714(O,Y) | FET | | |
| Q206 | | | 2SA1576A(R,S) | TRANSISTOR | | |
| Q207,208 | | | 2SC4081(R,S) | TRANSISTOR | | |
| Q209 | | | 2SC2714(O,Y) | FET | | |
| Q210 | | | 2SC4081(R,S) | TRANSISTOR | | |
| Q211 | | | 2SA1576A(R,S) | TRANSISTOR | | |
| Q212,213 | | | 2SC4081(R,S) | TRANSISTOR | | K5K9Y9 |
| Q217 | | | 2SA1576A(R,S) | TRANSISTOR | | K5K9Y9 |
| Q218 | | | 2SC4081(R,S) | TRANSISTOR | | K5K9Y9 |
| Q219,220 | | | 2SC2714(O,Y) | FET | | K5K9Y9 |
| Q221 | | | 2SC4081(R,S) | TRANSISTOR | | K5K9Y9 |
| Q222 | | | 2SA1576A(R,S) | TRANSISTOR | | K5K9Y9 |
| Q223 | | | 2SC4081(R,S) | TRANSISTOR | | K5K9Y9 |
| Q224,225 | | | 2SC2714(O,Y) | FET | | K5K9Y9 |
| Q226 | | | 2SC4081(R,S) | TRANSISTOR | | K5K9Y9 |
| Q227 | | | 2SA1576A(R,S) | TRANSISTOR | | K5K9Y9 |
| Q228 | | | 2SC4081(R,S) | TRANSISTOR | | K5K9Y9 |
| Q229-231 | | | DTC124EUA | DIGITAL TRANSISTOR | | |
| Q232 | | | 2SD2012 | TRANSISTOR | | |
| Q233 | | | 2SB1375 | TRANSISTOR | | |
| Q234,235 | | | DTC124EUA | DIGITAL TRANSISTOR | | |
| Q236,237 | | | 2SA1576A(R,S) | TRANSISTOR | | |
| Q239,240 | | | 2SA1576A(R,S) | TRANSISTOR | | K5K9Y9 |
| Q402-405 | | | 2SC4213(B) | TRANSISTOR | | |
| Q406-417 | | | 2SC4213(B) | TRANSISTOR | | E5C7M7 |
| Q406-417 | | | 2SC4213(B) | TRANSISTOR | | M5M6T5 |
| Q406-417 | | | 2SC4213(B) | TRANSISTOR | | T9E9 |
| Q406-417 | | | 2SC4213(B) | TRANSISTOR | | Y9M9M0 |
| Q414-417 | | | 2SC4213(B) | TRANSISTOR | | K9 |
| Q418-421 | | | 2SC4081(R,S) | TRANSISTOR | | E5C7M7 |
| Q418-421 | | | 2SC4081(R,S) | TRANSISTOR | | M5M6T5 |
| Q418-421 | | | 2SC4081(R,S) | TRANSISTOR | | T9E9 |
| Q418-421 | | | 2SC4081(R,S) | TRANSISTOR | | Y9M9M0 |
| Q422,423 | | | 2SC4213(B) | TRANSISTOR | | C7M7 |
| Q424,425 | | | 2SC4213(B) | TRANSISTOR | | |
| Q426-429 | | | 2SC4213(B) | TRANSISTOR | | E5C7M7 |
| Q426-429 | | | 2SC4213(B) | TRANSISTOR | | M5M6T5 |
| Q426-429 | | | 2SC4213(B) | TRANSISTOR | | T9E9 |
| Q426-429 | | | 2SC4213(B) | TRANSISTOR | | Y9M9M0 |
| Q430 | | | DTC124EUA | DIGITAL TRANSISTOR | | C7M7 |
| Q431 | | | DTA124EUA | DIGITAL TRANSISTOR | | C7M7 |
| Q432,433 | | | 2SC4213(B) | TRANSISTOR | | C7M7 |
| Q434 | | | DTC124EUA | DIGITAL TRANSISTOR | | |
| Q435 | | | 2SA1576A(R,S) | TRANSISTOR | | |
| Q436 | | | DTC124EUA | DIGITAL TRANSISTOR | | E5C7M7 |
| Q436 | | | DTC124EUA | DIGITAL TRANSISTOR | | M5M6T5 |
| Q436 | | | DTC124EUA | DIGITAL TRANSISTOR | | T9E9 |
| Q436 | | | DTC124EUA | DIGITAL TRANSISTOR | | Y9M9M0 |
| Q437 | | | DTC124EUA | DIGITAL TRANSISTOR | | K5K9 |
| Q438 | | | DTC124EUA | DIGITAL TRANSISTOR | | E5C7M7 |
| Q438 | | | DTC124EUA | DIGITAL TRANSISTOR | | M5M6T5 |
| Q438 | | | DTC124EUA | DIGITAL TRANSISTOR | | T9E9 |
| Q438 | | | DTC124EUA | DIGITAL TRANSISTOR | | Y9M9M0 |
| Q439 | | | DTA124EUA | DIGITAL TRANSISTOR | | |
| Q440 | | | DTA124EUA | DIGITAL TRANSISTOR | | E5C7M7 |

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| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|---|----------|-----------|----------------|---------------------|--------------|----------|
| Q440 | | | DTA124EUA | DIGITAL TRANSISTOR | M5M6T5 | |
| Q440 | | | DTA124EUA | DIGITAL TRANSISTOR | T9E9 | |
| Q440 | | | DTA124EUA | DIGITAL TRANSISTOR | Y9M9M0 | |
| Q500 | | | DTC124EUA | DIGITAL TRANSISTOR | | |
| Q600 | | | 2SA1611(M5,M6) | TRANSISTOR | | |
| Q601 | | | 2SC4177(L5,L6) | TRANSISTOR | | |
| A1 | | | W02-1114-05 | OSCILLATING MODULE | T9E9K9 | |
| A1 | | | W02-1114-05 | OSCILLATING MODULE | Y9M9M0 | |
| PROCESSOR (X32-3670-00) DVF-9010 | | | | | | |
| C1 | | | CC73FSL1H100D | CHIP C | 10PF | D |
| C2 | | | CK73FB1H103K | CHIP C | 0.010UF | K |
| C4 | | | CE04KW1A101M | ELECTRO | 100UF | 10WV |
| C5 | | | CK73FB1H103K | CHIP C | 0.010UF | K |
| C7 | | | CE04KW1A101M | ELECTRO | 100UF | 10WV |
| C9 | | | CK73FB1H103K | CHIP C | 0.010UF | K |
| C11 | | | CE04KW1C100M | ELECTRO | 10UF | 16WV |
| C12 | | | CE04KW1A331M | ELECTRO | 330UF | 10WV |
| C14 | | * | C90-3816-05 | ELECTRO | 10UF | 35WV |
| C15 -17 | | | CC73FSL1H101J | CHIP C | 100PF | J |
| C18 | | | CC73FSL1H100D | CHIP C | 10PF | D |
| C23 | | | CE04KW1A101M | ELECTRO | 100UF | 10WV |
| C25 | | | CK73FB1H103K | CHIP C | 0.010UF | K |
| C27 | | | CE04KW1C100M | ELECTRO | 10UF | 16WV |
| C28 | | | CE04KW1A331M | ELECTRO | 330UF | 10WV |
| C30 | | * | C90-3816-05 | ELECTRO | 10UF | 35WV |
| C33 -35 | | | CC73FSL1H100D | CHIP C | 10PF | D |
| C50 -53 | | | CQ93FMG1H102J | MYLAR | 1000PF | J |
| C54 | | | CQ93FMG1H103J | MYLAR | 0.010UF | J |
| C56 ,57 | | | CQ93FMG1H393J | MYLAR | 0.039UF | J |
| C58 ,59 | | | CQ93FMG1H392J | MYLAR | 3900PF | J |
| C61 | | | CC45FSL1H101J | CERAMIC | 100PF | J |
| C62 ,63 | | | CE04KW1V470M | ELECTRO | 47UF | 35WV |
| C65 ,66 | | | CC45FSL1H101J | CERAMIC | 100PF | J |
| C67 ,68 | | | CC45FSL1H561J | CERAMIC | 560PF | J |
| C69 -72 | | | CC73FSL1H101J | CHIP C | 100PF | J |
| CN1 | | | E40-4740-05 | SOCKET FOR PIN ASSY | | |
| CN2 | | | E40-4743-05 | SOCKET FOR PIN ASSY | | |
| E1 | | | J11-0809-05 | WIRE CLAMPER | | |
| R1 | | | RK73FB2A105J | CHIP R | 1.0M | J 1/10W |
| R2 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W |
| R4 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W |
| R6 -9 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W |
| R10 | | | RD14NB2E3R9J | RD | 3.9 | J 1/4W |
| R11 | | | RK73FB2A102J | CHIP R | 1.0K | J 1/10W |
| R12 | | | RD14NB2E2R2J | RD | 2.2 | J 1/4W |
| R13 -15 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W |
| R16 | | | RK73FB2A102J | CHIP R | 1.0K | J 1/10W |
| R17 -19 | | | RK73FB2A105J | CHIP R | 1.0M | J 1/10W |
| R22 | | | RD14NB2E2R2J | RD | 2.2 | J 1/4W |
| R23 -25 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W |
| R26 | | | RK73FB2A102J | CHIP R | 1.0K | J 1/10W |
| R27 | | | RK73FB2A103J | CHIP R | 10K | J 1/10W |

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|--|----------|-----------|----------------|-----------------------|--------------|----------|
| R28 | | | RD14NB2E1R5J | RD | 1.5 | J 1/4W |
| R32 | | | RD14NB2E1R5J | RD | 1.5 | J 1/4W |
| R50 ,51 | | | RN14BK2C4221F | RN | 4.22K | F 1/6W |
| R54 -57 | | | RN14BK2C4221F | RN | 4.22K | F 1/6W |
| R60 ,61 | | | RN14BK2C4221F | RN | 4.22K | F 1/6W |
| R62 -65 | | | RK73FB2A222J | CHIP R | 2.2K | J 1/10W |
| R66 ,67 | | | RK73FB2A470J | CHIP R | 47 | J 1/10W |
| R68 -73 | | | RK73FB2A221J | CHIP R | 220 | J 1/10W |
| R74 ,75 | | | RK73FB2A470J | CHIP R | 47 | J 1/10W |
| R76 ,77 | | | RK73FB2A473J | CHIP R | 47K | J 1/10W |
| R80 -82 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W |
| D2 | | | DAP202U | DIODE | | |
| IC1 | | | TC74VHC04F | MOS-IC | | |
| IC2 | | | KAN06 | MOS-IC | | |
| IC3 | | | AD1855 | MOS-IC | | |
| IC5 | | | AD1855 | MOS-IC | | |
| IC6 ,7 | | | NJM4580E | ANALOGUE IC | | |
| IC8 | | | TC74HCT7007AFE | MOS-IC | | |
| Q2 | | | DTC124EUA | DIGITAL TRANSISTOR | | |
| Q2 | | | UN5212 | DIGITAL TRANSISTOR | | |
| POWERSUPPLY (W02-2660-05/W02-2661-05/W02-2662-05) | | | | | | |
| C201 | | | CE04KW1H010M | ELECTRO | 1.0UF | 50WV |
| C211 | | * | C90-3817-08 | ELECTRO | 180UF | 35WV |
| C213,214 | | | CE04KW1V331M | ELECTRO | 330UF | 35WV |
| C221 | | * | C90-3817-08 | ELECTRO | 180UF | 35WV |
| C223,224 | | | CE04KW1V331M | ELECTRO | 330UF | 35WV |
| C311 | | * | C90-3819-08 | ELECTRO | 330UF | 35WV |
| C312 | | | CE04KW1V331M | ELECTRO | 330UF | 35WV |
| C351 | | | CE04KW1V101M | ELECTRO | 100UF | 35WV |
| C352,353 | | * | C91-1586-08 | FILE | 0.01UF | J |
| C411 | | * | C90-3819-08 | ELECTRO | 330UF | 35WV |
| C412 | | * | C90-3818-08 | ELECTRO | 100UF | 35WV |
| C511 | | * | C90-3820-08 | ELECTRO | 560UF | 35WV |
| C512 | | | CE04KW1V331M | ELECTRO | 330UF | 35WV |
| C611,612 | | * | C91-1586-08 | FILE | 0.01UF | J |
| C711 | | | CE04KW1H470M | ELECTRO | 47UF | 50WV |
| C811 | | | CE04KW1V331M | ELECTRO | 330UF | 35WV |
| C812 | | * | C90-3818-08 | ELECTRO | 100UF | 35WV |
| CN201 | | | E40-3256-05 | PIN ASSY | | |
| CN202 | | | E40-3246-05 | PIN ASSY | | |
| Δ F101 | | * | F05-0144-08 | FUSE | | |
| L311 | | * | L33-0582-08 | CHOKE COIL | | |
| L411 | | * | L33-0582-08 | CHOKE COIL | | |
| L511 | | * | L33-0583-08 | CHOKE COIL | | |
| L811 | | * | L33-0582-08 | CHOKE COIL | | |
| T351 | | * | L19-0090-08 | CONVERTER TRANSFORMER | | |
| P211 | | * | R92-1888-08 | METAL PLATE | | |
| P221 | | * | R92-1888-08 | METAL PLATE | | |
| R201 | | * | R92-1889-08 | RD | 100 | J 1/4W |
| R202 | | * | R92-1890-08 | RD | 1K | J 1/4W |
| R204 | | * | R92-1891-08 | RN | 3.3K | F 1/6W |
| R205 | | * | R92-1892-08 | RN | 82 | F 1/6W |

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PARTS LIST

DV-203/2070/DVF-5010/9010/K7010

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|----------|----------|-----------|-------------|-------------------|--------------|----------|
| R206 | | * | R92-1893-08 | RN 1.5K F 1/6W | | |
| R211 | | * | R92-1894-08 | RD 560 J 1/4W | | |
| R212,222 | | * | R92-1895-08 | RD 4.7K J 1/4W | | |
| R221 | | * | R92-1894-08 | RD 560 J 1/4W | | |
| R351 | | * | R92-1896-08 | RD 2.7 J 1/4W | | |
| R352 | | * | R92-1897-08 | RD 10K J 1/4W | | |
| R353 | | * | R92-1898-08 | RD 1.2K J 1/4W | | |
| R355 | | * | R92-1889-08 | RD 100 J 1/4W | | |
| R356,357 | | * | R92-1890-08 | RD 1K J 1/4W | | |
| R611 | | * | R92-1899-08 | RD 15 J 1/4W | | |
| R711 | | * | R92-1897-08 | RD 10K J 1/4W | | |
| Δ SW101 | | * | S68-0122-08 | PUSH SWITCH POWER | | |
| D211 | | | 11EQS10 | DIODE | | |
| D221 | | | 11EQS10 | DIODE | | |
| D231 | | * | MTZJ5.6C | ZENER DIODE | | |
| D232 | | | MTZJ30C | ZENER DIODE | | |
| D311 | | | S2L20U | DIODE | | |
| D321 | | | MTZJ15B | ZENER DIODE | | |
| D353 | | * | MTZJ39B | ZENER DIODE | | |
| D411 | | * | 21DQ06 | DIODE | | |
| D511 | | | D3S4M | DIODE | | |
| D611 | | | 1SS270A | DIODE | | |
| D711 | | | 10ELS2 | DIODE | | |
| D712 | | * | MTZJ12A | ZENER DIODE | | |
| D811 | | * | 21DQ06 | DIODE | | |
| Q211 | | * | 2SB1566 | TRANSISTOR | | |
| Q212 | | * | 2SC1740S | TRANSISTOR | | |
| Q221 | | * | 2SD2395 | TRANSISTOR | | |
| Q222 | | * | 2SA933S | TRANSISTOR | | |
| Q351 | | * | 2SD2395 | TRANSISTOR | | |
| Q352 | | | DTC114ES | TRANSISTOR | | |
| Q353 | | | 2SA933S | TRANSISTOR | | |

DVD MECHANISM (D40-1580-05)

| | | | | | | |
|----|-------|-------------|--------------------|--|--|--|
| 41 | 1A | J99-0806-08 | TRAY | | | |
| 42 | 1B | J19-5924-08 | CLAMPER HOLDER | | | |
| 43 | 1B | A11-1142-08 | CLAMPER PLATE | | | |
| 44 | 1B | T50-1080-08 | CLAMPER REAR YOKE | | | |
| 45 | 1B | T99-0610-08 | MAGNET | | | |
| 46 | 2B | J11-0834-08 | CLAMPER | | | |
| 47 | 2B | G02-1655-08 | SPRING | | | |
| 48 | 2A | D16-0722-08 | BELT | | | |
| 49 | 2A | D13-1876-08 | PULLEY GEAR | | | |
| 50 | 2B | D13-1877-08 | TRAY GEAR | | | |
| 51 | 2A | D13-1878-08 | TURNING GEAR | | | |
| 52 | 2B | D12-0159-08 | ROTARY CAM | | | |
| 53 | 2A,2B | D32-0355-08 | CHASSIS STOPPER | | | |
| 54 | 2A,2B | G02-1656-08 | CHASSIS HOLDER | | | |
| 55 | 2B | D10-3805-08 | SLIDER | | | |
| 56 | 3A | D10-3806-08 | SWITCH LEVER | | | |
| 57 | 3A | T42-0915-08 | LOADING MOTOR UNIT | | | |
| 58 | 3B | A10-3430-08 | LOADING BASE | | | |
| 59 | 3B | J70-1226-08 | LOADING MOTOR PCB | | | |
| 60 | 1B | N19-1457-08 | CLAMPER WEIGHT | | | |

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|-----------|----------|-----------|--------------|--------------------------|--------------|----------|
| 61 | 2B | | D40-1595-08 | TRAVERSE UNIT | | |
| 71 | 1C | | E35-2160-08 | PIN CABLE, 11P | | |
| 72 | 1C | | J70-1227-08 | REPEATER PCB | | |
| 73 | 1D | | A10-3431-08 | D-CHASSIS UNIT | | |
| 74 | 2C | | J19-5925-08 | CLAMPER | | |
| 75 | 2C,2D | | J02-1413-08 | DAMPER | | |
| 76 | 2C | | J19-5926-08 | DAMPER HOLDER | | |
| 77 | 2C | | T42-0916-08 | TRAVERSE MOTOR UNIT,FEED | | |
| 78 | 2C | | J21-6618-08 | MAIN SHAFT HOLDER | | |
| 79 | 3C | | T42-0917-08 | DISC MOTOR UNIT | | |
| 80 | 3C | | J26-0082-08 | CHIP SWITCH UNIT | | |
| 81 | 2D | | J21-6619-08 | SUB SHAFT HOLDER | | |
| 82 | 2D,3D | | D10-3807-08 | GUIDE SHAFT | | |
| 83 | 2D | | J21-6620-08 | NUT STOPPER | | |
| 84 | 2D | | G02-1657-08 | NUT STOP SPRING | | |
| 85 | 2D | | D13-1879-08 | SCREW NUT | | |
| 86 | 2D | | G02-1658-08 | PICKUP STOP SPRING | | |
| 87 | 3D | | T25-0077-08 | PICKUP | | |
| 89 | 3D | | A11-1143-08 | H-CHASSIS | | |
| B41 | 1B | | N80-2608-46 | SCREW | | |
| B42 | 1B | | N09-3455-08 | SCREW | | |
| B43 | 3A | | N09-3456-08 | SCREW | | |
| B44 | 3B | | N80-2608-46 | SCREW | | |
| B45 | 1B | | N88-2606-46 | SCREW | | |
| B71 | 1C | | N86-2605-08 | SCREW | | |
| B72 | 1C | | N09-3457-08 | SCREW | | |
| B73 | 2C | | N09-3458-08 | SCREW | | |
| B74 | 2C | | N09-3459-08 | SCREW | | |
| B75 | 2C | | N95-2610-45 | SCREW | | |
| B76 | 2C | | N09-3460-08 | SCREW | | |
| B77 | 2D | | N09-3461-08 | SCREW | | |
| B78 | 2D | | N30-2003-46 | SCREW | | |
| B79 | 2D | | N39-1745-46 | SCREW | | |
| B80 | 2D | | N09-3462-08 | SCREW | | |
| W41 | 2A | | N19-0891-04 | CUT WASHER | | |
| FP20001 | | | E40-8270-08 | FLAT CABLE CONNECTOR,26P | | |
| FP20002 | | | E40-8271-08 | FLAT CABLE CONNECTOR,35P | | |
| FP20003 | | | E40-8272-08 | FLAT CABLE CONNECTOR,11P | | |
| FP20004,5 | | | E40-8269-08 | PIN ASSY,2P | | |
| C0002 | | | CK73FF1C105Z | CHIP C 1.0UF Z | | |

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia
 Y : PX(Far East, Hawaii) T : Europe E : Europe G : Germany V : China (Shanghai)
 Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas Δ indicates safety critical components.

HOW TO READ THE PARTS LIST

ABBREVIATION OF MODEL AND MASS PRODUCTION'S DESTINATIONS

| MODEL | ABB. | Australia | Canada | China | England | Europe | Germany | Korea | Malaysia |
|-----------|------|-----------|----------|--------|-------------|----------|---------|------------|----------------|
| DV-203 | - | - | - | - | - | - | - | - | - |
| DV-2070 | - | - | - | - | - | - | - | - | - |
| DVF-5010 | - | - | - | - | T5 | E5 | - | - | - |
| DVF-K7010 | - | - | - | C7 | - | - | - | - | - |
| DVF-9010 | - | - | - | - | T9 | E9 | - | - | - |
| MODEL | ABB. | Mexico | PX/AAFES | Russia | Scandinavia | Shanghai | USA | Other area | Other area(M2) |
| DV-203 | - | - | - | - | - | - | K5 | - | - |
| DV-2070 | - | - | - | - | - | - | K9 | - | - |
| DVF-5010 | - | - | - | - | - | - | - | M5 | M6 |
| DVF-K7010 | - | - | - | - | - | - | - | M7 | - |
| DVF-9010 | - | - | Y9 | - | - | - | - | M9 | M0 |

SPECIFICATIONS

DV-203

[Type]

System DVD video player system
Signal read system Semiconductor laser

[D/A Conversion Section]

D/A conversion 24 Bit
Oversampling 8 fs (Sampling frequency; 44.1, 48 kHz)
4 fs (Sampling frequency; 96 kHz)

[Audio section]

Frequency response
Sampling frequency; 44.1 kHz (CD only) 2 Hz ~ 20 kHz
Sampling frequency; 48 kHz 2 Hz ~ 22 kHz
Sampling frequency; 96 kHz 2 Hz ~ 44 kHz
Signal to noise ratio (CD only) More than 110 dB
Dynamic range (CD only) More than 97 dB
Total harmonic distortion (CD only)
..... Less than 0.003 % (1 kHz)
Channel separation (CD only)
..... More than 90 dB (1 kHz, MIX LINE OUTPUT)
Wow and flutter (CD only)
..... Below measurable limit (± 0.001 % W. PEAK)
Analog output level/impedance
2ch 2 V_{rms} / 510 Ω
Digital output level/impedance
COAXIAL 0.5 V_{p-p} / 75 Ω
OPTICAL -21 dBm ~ -15 dBm (Wave length 660 nm)

[Video Section]

Video output format NTSC
Video compression
VCD MPEG-1
DVD MPEG-2
Composite video output level
..... 1 V_{p-p} (75 Ω load, sync. negative)
S-video output level
(Y-signal) 1 V_{p-p} (75 Ω load, sync. negative)
(C-signal)
NTSC 0.286 V_{p-p} (75 Ω)
Component video output level
Y-signal 1 V_{p-p} (75 Ω load, sync. negative)
Cb-signal ± 0.324 V_{p-p} (75 Ω) (FCC 100% Color Bar)
Cr-signal ± 0.324 V_{p-p} (75 Ω) (FCC 100% Color Bar)
Horizontal resolution More than 500 lines
Video signal to noise ratio More than 65 dB

[General]

Power consumption 35 W
Dimensions W:440 mm (17-5/16")
H: 93 mm (3-11/16")
D: 390 mm (15-3/8")
Weight (net) 4.5 kg (9.9 lb)

DVF-5010

[Type]

System DVD video player system
Signal read system Semiconductor laser

[D/A Conversion Section]

D/A conversion 24 Bit
Oversampling 8 fs (Sampling frequency; 44.1, 48 kHz)
4 fs (Sampling frequency; 96 kHz)

[Audio section]

Frequency response
Sampling frequency; 44.1 kHz (CD only) 2 Hz ~ 20 kHz
Sampling frequency; 48 kHz 2 Hz ~ 22 kHz
Sampling frequency; 96 kHz 2 Hz ~ 44 kHz
Signal to noise ratio (CD only) More than 110 dB
Dynamic range (CD only) More than 97 dB
Total harmonic distortion (CD only)
..... Less than 0.003 % (1 kHz)
Channel separation (CD only)
..... More than 90 dB (1 kHz, MIX LINE OUTPUT)
Wow and flutter (CD only)
..... Below measurable limit (± 0.001 % W. PEAK)
Analog output level/impedance
2ch 2 V_{rms} / 510 Ω
5.1ch 2 V_{rms} / 510 Ω (compression off: max 5.6 V)
Digital output level/impedance
COAXIAL 0.5 V_{p-p} / 75 Ω
OPTICAL -21 dBm ~ -15 dBm (Wave length 660 nm)

[Video Section]

Video output format NTSC/PAL
Video compression
VCD MPEG-1
DVD MPEG-2
Composite video output level
..... 1 V_{p-p} (75 Ω load, sync. negative)
S-video output level
(Y-signal) 1 V_{p-p} (75 Ω load, sync. negative)
(C-signal)
NTSC 0.286 V_{p-p} (75 Ω)
PAL 0.300 V_{p-p} (75 Ω)
Horizontal resolution More than 500 lines
Video signal to noise ratio More than 65 dB

[General]

Power consumption 35 W
Dimensions W:440 mm (17-5/16")
H: 93 mm (3-11/16")
D: 390 mm (15-3/8")
Weight (net) 4.5 kg (9.9 lb)

SPECIFICATIONS

DV-2070

[Type]

System DVD video player system
Signal read system Semiconductor laser

[D/A Conversion Section]

D/A conversion 24 Bit
Oversampling 8 fs (Sampling frequency; 44.1, 48 kHz)
4 fs (Sampling frequency; 96 kHz)

[Audio section]

Frequency response
Sampling frequency; 44.1 kHz (CD only) 2 Hz ~ 20 kHz
Sampling frequency; 48 kHz 2 Hz ~ 22 kHz
Sampling frequency; 96 kHz 2 Hz ~ 44 kHz
Signal to noise ratio (CD only) More than 113 dB
Dynamic range (CD only) More than 97 dB
Total harmonic distortion (CD only)
..... Less than 0.003 % (1 kHz)
Channel separation (CD only)
..... More than 90 dB (1 kHz, MIX LINE OUTPUT)
Wow and flutter (CD only)
..... Below measurable limit (± 0.001 % W. PEAK)
Analog output level/impedance
2ch $2 V_{rms} / 510 \Omega$
Digital output level/impedance
COAXIAL 0.5 Vp-p / 75 Ω
OPTICAL -21 dBm ~ -15 dBm (Wave length 660 nm)
Headphone output 20 mW / 32 Ω load (Phones level MAX)

DVF-9010

[Type]

System DVD video player system
Signal read system Semiconductor laser

[D/A Conversion Section]

D/A conversion 24 Bit
Oversampling 8 fs (Sampling frequency; 44.1, 48 kHz)
4 fs (Sampling frequency; 96 kHz)

[Audio section]

Frequency response
Sampling frequency; 44.1 kHz (CD only) 2 Hz ~ 20 kHz
Sampling frequency; 48 kHz 2 Hz ~ 22 kHz
Sampling frequency; 96 kHz 2 Hz ~ 44 kHz
Signal to noise ratio (CD only) More than 115 dB
Dynamic range (CD only) More than 100 dB
Total harmonic distortion (CD only)
..... Less than 0.002 % (1 kHz)
Channel separation (CD only)
..... More than 95 dB (1 kHz, MIX LINE OUTPUT)
Wow and flutter (CD only)
..... Below measurable limit (± 0.001 % W. PEAK)
Analog output level/impedance
2ch $2 V_{rms} / 510 \Omega$
5.1ch $2 V_{rms} / 510 \Omega$ (compression off: max 5.6 V)
Digital output level/impedance
COAXIAL 0.5 Vp-p / 75 Ω
OPTICAL -21 dBm ~ -15 dBm (Wave length 660 nm)
Headphone output 20 mW / 32 Ω load (Phones level MAX)

[Video Section]

Video output format NTSC
Video compression
VCD MPEG-1
DVD MPEG-2
Composite video output level
..... 1 Vp-p (75 Ω load, sync. negative)
S-video output level
(Y-signal) 1 Vp-p (75 Ω load, sync. negative)
(C-signal)
NTSC 0.286 Vp-p (75 Ω)
Component video output level
Y-signal 1 Vp-p (75 Ω load, sync. negative)
C_B-signal ± 0.324 Vp-p (75 Ω) (FCC 100% Color Bar)
C_R-signal ± 0.324 Vp-p (75 Ω) (FCC 100% Color Bar)
Horizontal resolution More than 500 lines
Video signal to noise ratio More than 65 dB

[General]

Power consumption 35 W
Dimensions W:440 mm (17-5/16")
H: 128 mm (5-1/16")
D: 384 mm (15-1/8")
Weight (net) 6.1 kg (13.4 lb)

[Video Section]

Video output format NTSC/PAL
Video compression
VCD MPEG-1
DVD MPEG-2
Composite video output level
..... 1 Vp-p (75 Ω load, sync. negative)
S-video output level
(Y-signal) 1 Vp-p (75 Ω load, sync. negative)
(C-signal)
NTSC 0.286 Vp-p (75 Ω)
PAL 0.300 Vp-p (75 Ω)
Horizontal resolution More than 500 lines
Video signal to noise ratio More than 65 dB

[General]

Power consumption 35 W
Dimensions W:440 mm (17-5/16")
H: 128 mm (5-1/16")
D: 384 mm (15-1/8")
Weight (net) 6.1 kg (13.4 lb)

SPECIFICATIONS

DVF-K7010

[Type]

System.....DVD video player system
Signal read system.....Semiconductor laser

[D/A Conversion Section]

D/A conversion..... 24 Bit
Oversampling 8 fs (Sampling frequency; 44.1, 48 kHz)
4 fs (Sampling frequency; 96 kHz)

[Audio section]

Frequency response
Sampling frequency; 44.1 kHz (CD only) 4 Hz ~ 20 kHz
Sampling frequency; 48 kHz 4 Hz ~ 22 kHz
Sampling frequency; 96 kHz 4 Hz ~ 44 kHz
Signal to noise ratio (CD only) More than 110 dB
Dynamic range (CD only) More than 97 dB
Total harmonic distortion (CD only)
..... Less than 0.003 % (1 kHz)
Channel separation (CD only)
..... More than 90 dB (1 kHz, MIX LINE OUTPUT)
Wow and flutter (CD only)
..... Below measurable limit (± 0.001 % W. PEAK)
Analog output level/impedance
2ch..... 2 V_{rms} / 510 Ω (mic on: 1.2 V / 315 Ω)
5.1ch..... 2 V_{rms} / 510 Ω (compression off: max 5.6 V)
Digital output level/impedance
COAXIAL..... 0.5 Vp-p / 75 Ω
OPTICAL..... -21 dBm ~ -15 dBm (Wave length 660 nm)
Microphone Input sensitivity/impedance
..... 6 mV / 24 k Ω (MIC 1, 2)

[Video Section]

Video output format NTSC/PAL
Video compression
VCD MPEG-1
DVD MPEG-2
Composite video output level
..... 1 Vp-p (75 Ω load, sync. negative)
S-video output level
(Y-signal) 1 Vp-p (75 Ω load, sync. negative)
(C-signal)
NTSC 0.286 Vp-p (75 Ω)
PAL 0.300 Vp-p (75 Ω)
Horizontal resolution More than 500 lines
Video signal to noise ratio More than 65 dB

[General]

Power consumption 35 W
Dimensions W: 440 mm (17-5/16")
H: 93 mm (3-11/16")
D: 390 mm (15-3/8")
Weight (net) 4.5 kg (9.9 lb)



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

- Sufficient performance may not be exhibited at extremely cold locations (Where water freezes).

Note:

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

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