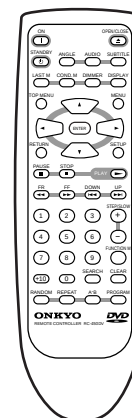
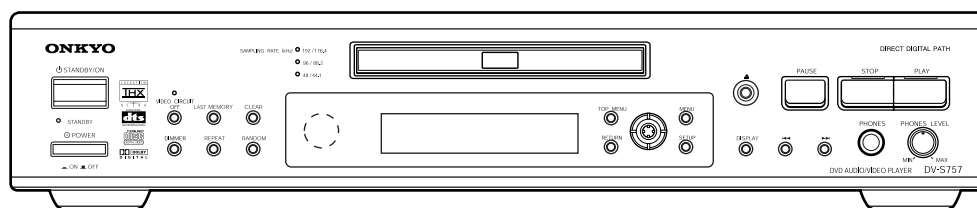


ONKYO SERVICE MANUAL

DVD AUDIO/VIDEO PLAYER MODEL DV-S757



RC-450DV

Black, Silver and Golden models

(B)MUP2P, (S)MUP2P
(G)MUT3P
(B)MUS4P, (G)MUS4P
(G)MUR6P

100-240V AC, 50/60Hz

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK  ON THE SCHEMATIC DIAGRAM AND IN THE PARTS LIST ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE THESE COMPONENTS WITH ONKYO PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL.

MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

SPECIFICATIONS

■ DVD Player

Power supply	AC 100-240 V, 50/60 Hz
Power consumption	15 W
Weight	3.4 kg, 7.5 lbs.
External dimensions	435 × 91 × 312 mm (W/H/D), 17-1/8" × 3-9/16" × 12-5/16"
Signal system	PAL/AUTO
Regional restriction code	Some Asian area: 3 South American area: 4 Chinese area: 6
Laser	Semiconductor laser, wavelength 650 nm
Frequency range (digital audio)	DVD linear sound: 48 kHz sampling 4 Hz to 22 kHz 96 kHz sampling 4 Hz to 44 kHz Audio CD: 4 Hz to 20 kHz
Signal-to-noise ratio (digital audio)	More than 100 dB
Audio dynamic range (digital audio)	More than 96 dB
Harmonic distortion (digital audio)	Less than 0.015 %
Wow and flutter	Below measurable level (less than ±0.001 % (W.PEAK))
Operating conditions	Temperature: 5°C to 35°C (41°F to 95°F), Operation status: Horizontal

■ Outputs

Video output	1.0 V (p-p), 75 Ω , negative sync., pin jack × 2
S-video output	(Y) 1.0 V (p-p), 75 Ω , negative sync., Mini DIN 4-pin × 2 (C) 0.286 V (p-p), 75 Ω
Component video output	(Y) 1.0 V (p-p), 75 Ω , negative sync., pin jack × 1 (PB)/(PR) 0.7 V (p-p), 75 Ω
Audio output (digital output Optical)	Optical connector × 2
Audio output (digital output Coaxial)	0.5 V (p-p), 75 Ω , pin jack × 1
Audio output (analog audio)	2.0 V (rms), 470 Ω , pin jack (L, R) × 2
Audio output (5.1 channel analog audio)	2.0 V (rms), 470 Ω , pin jack (FRONT L, FRONT R, CENTER, SURR L, SURR R, SUB WOOFER) × 1

Specifications and features are subject to change without notice.

SERVICE PROCEDURES-1

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

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

WARNING!!

SERVICE WARNING : DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION, BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICKUP BLOCK.

Laser Diode Properties

CD	
Wavelength:	650 nm
Laser output:	0.43 mW
DVD	
Wavelength:	780 nm
Laser output:	0.14 mW

WARNING

WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



WARNING
RISK OF ELECTRIC SHOCK
DO NOT OPEN

AVIS
RISQUE DE CHOC ELECTRIQUE
NE PAS OUVRIR



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

LASER WARNING

This unit contains a semiconductor laser system and is classified as a "CLASS 1 LASER PRODUCT". So, to use this model properly, read this Instruction Manual carefully. In case of any trouble, please contact the store where you purchased the unit. To prevent being exposed to the laser beam, do not try to open the enclosure.

CAUTION:

VISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK FAILED OR DEFEATED. DO NOT STARE INTO BEAM.

CAUTION:

THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

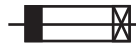
The label on the right is applied on the rear panel except for USA and Canadian models.

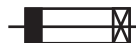
**"CLASS 1 LASER
PRODUCT"**

1. This unit is a CLASS 1 LASER PRODUCT and employs a laser inside the cabinet.
2. To prevent the laser from being exposed, do not remove the cover. Refer servicing to qualified personnel.

SERVICE PROCEDURE

1. Replacing the fuses

 This symbol located near the fuse indicates that the fuse used is show operating type, For continued protection against fire hazard, replace with same type fuse , For fuse rating, refer to the marking adjust to the symbol.

 Ce symbole indique que le fusible utilise est e lent. Pour une protection permanente, n'utiliser que des fusibles de meme type. Ce demier est indique la qu le present symbol est apposse.

REF. NO.	PART NO.	DESCRIPTION
F1	252073 or 	1.6A-SE-EAK IECFUSE
	252273 	1.6A-SE-TL250V

2. Safety-check out

(Only U.S.A. model)

After correcting the original service problem perform the following safety check before releasing the set to the customer Connect the insulating-resistance tester between the plug of power supply cord and terminal GND on the back panel.

Specifications: More than 10M ohm at 500V

LASER BEAM CAUTION LABEL



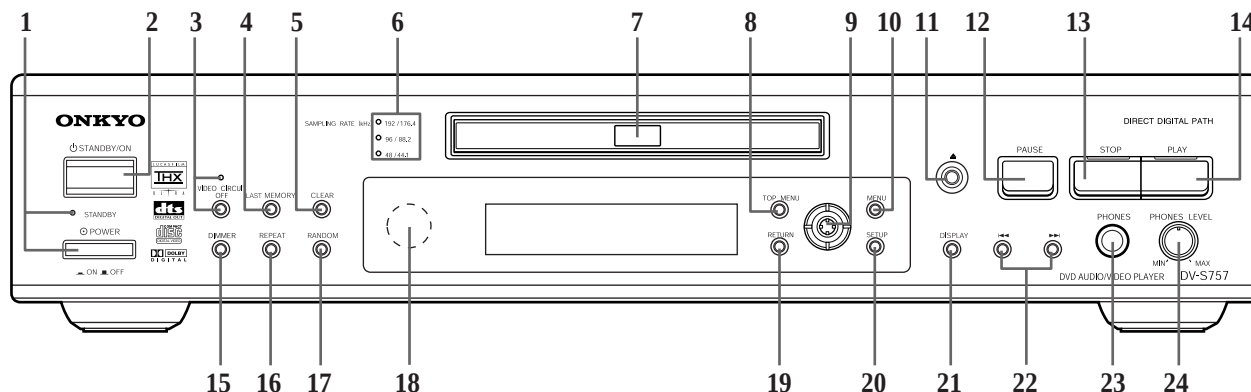
WAVE LENGTH:650nm
MAXLASER POWER:0.5mW
波 長: 650nm
最大レーザー出力: 0.5mW

98764160



PANEL VIEW-1

FRONT PANEL



1. POWER switch and STANDBY indicator

Turns on the main power supply for the DV-S757. The DV-S757 enters standby state and the STANDBY indicator lights up. Pressing the switch again to the off position (OFF) shuts down the main power supply into the DV-S757.

Before turning on the power, make sure all cables are properly connected.

2. STANDBY/ON button

When STANDBY/ON button is pressed to ON while the POWER switch is set to ON, the DV-S757 turns on and the STANDBY indicator turns off. The indicator around ▲ button light up. Pressing the button again returns the DV-S757 to the standby state. This state turns off the display, disables control functions.

3. VIDEO CIRCUIT OFF button and indicator

Press to switch the video signal off.

4. LAST MEMORY button

You can resume DVD or Video CD playback from the point you last watched even if the disc is removed from the player. Press LAST MEMORY during playback to set a Last Memory point. When you want to resume playback of that disc, press LAST MEMORY in the stop mode and playback starts from the memorized point. Last Memory locations can be stored for up to 5 DVDs and 1 Video CD.

5. CLEAR button

Works in conjunction with a number of player functions. Use to cancel repeat and random playback, and to edit programs.

7. Disc tray

When loading a disc, place discs in the disc tray with the label side facing up.

8. TOP MENU button

Press to call up the top menu programmed on the DVD. Depending on the DVD, the top menu may be identical to the DVD menu.

9. Cursor (◀/▶/▲/▼) button/ENTER button

Use ◀/▶/▲/▼ to move through the options on menu screens and to change settings. Use ENTER to implement settings selected with the cursor buttons or to set items highlighted in a menu.

10. MENU button

Use to display or close the DVD menu or MP3 Navigator screen.

11. ▲ button

Press to open and close the disc tray.

12. || PAUSE button

Press during playback to pause. Press again to resume playback.

13. ■ STOP button

Press to stop playback. Pressing once enables playback to resume from a point shortly before the location where it stopped. Pressing twice causes the disc to return to the beginning of the disc if playback starts again.

Whenever a disc is loaded in the player, indicator above ■ STOP lights up.

14. ► PLAY button

Press to start or resume playback.

Whenever a disc is loaded in the player, indicator above ► PLAY lights up.

15. DIMMER button

Toggle to control the lightness of the display (3 steps).

16. REPEAT button

Use to set the repeat mode.

17. RANDOM button

Press to play chapters/tracks in random order.

18. Remote control sensor

Point the remote control toward the remote sensor to operate the player.

19. RETURN button

Use to go one menu back (current settings are maintained). Use RETURN when you do not want to change the option setting in a menu.

20. SETUP button

Press when the player is in either play or stop mode to open and close the Setup screen.

21. DISPLAY button

Press during playback to display statistical disc information. Press repeatedly to display different information.

22. ◀◀ ▶▶ button

Press to go back or advance to previous chapters/tracks. Press and hold to perform fast-reverse/fast-forward playback scanning.

23. PHONES jack

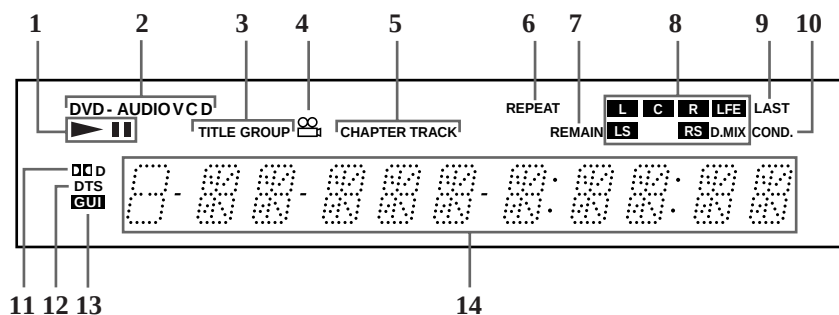
This is a standard stereo jack for connecting stereo headphones. The audio for the ANALOG OUTPUT CH 1 and CH 2 are sent to the headphone speakers.

24. PHONES LEVEL dial

Use to control the phones level. Turn the dial clockwise to increase the phones level and counterclockwise to decrease it.

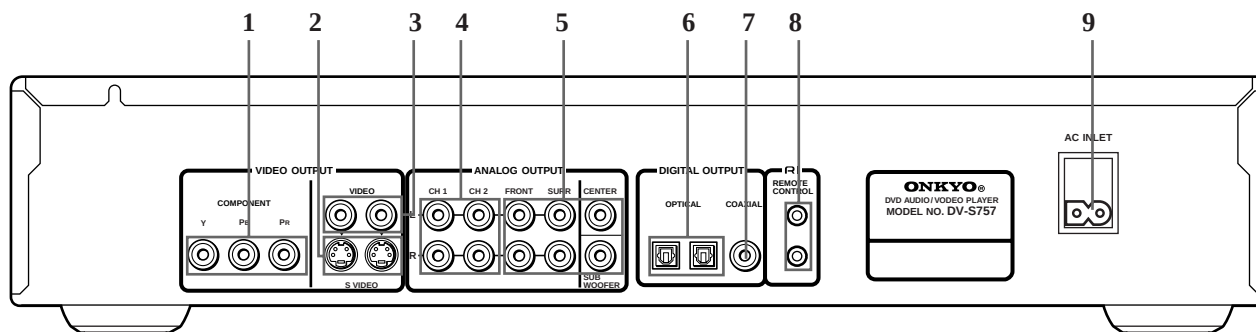
PANEL VIEW-2

DISPLAY



1. ►/■ indicator
2. Inserted disc indicator
3. TITLE/GROUP indicator
4. Angle icon indicator
5. CHAPTER/TRACK indicator
6. REPEAT indicator
7. REMAIN indicator
8. L, C, R, LS, RS, LFE and D.MIX indicator
9. LAST indicator
10. COND. indicator
11. D indicator
12. DTS indicator
13. GUI indicator
14. Multifunctional indicator (e.g. operating status and error messages)

REAR PANEL



1. VIDEO OUT COMPONENT jacks

If your TV or monitor has component video inputs, you can produce a higher quality picture on your TV or monitor by connecting to the component video outputs on this unit.

2. VIDEO OUTPUT S VIDEO jack

If your TV or monitor has an S-video input, clear picture reproduction is possible by connecting the player to your TV or monitor via the S-Video jack.

You can switch between [S1] and [S2] S-video output from the Setup menu.

3. VIDEO OUTPUT VIDEO jack

Connect to the video input on a TV or monitor or AV amplifier or receiver with video input capability.

4. ANALOG OUTPUT CH 1/CH 2 jacks

Use to output two-channel audio (analog) to the audio stereo inputs on a TV or stereo amplifier.

5. ANALOG OUTPUT FRONT/SURR/CENTER/SUBWOOFER jacks

Use to output 5.1 channel audio (analog) to the 5.1 channel discrete inputs on an amplifier. If you are connecting to a receiver that has both digital and analog input jacks for DVD player connection, it may be beneficial to make both connections.

6. DIGITAL OUTPUT OPTICAL jack

Use to output the digital audio signal recorded on discs. You can output the digital signal via the optical output jack to an AV amplifier or receiver.

7. DIGITAL OUTPUT COAXIAL jack

Use to output the digital audio signal recorded on discs. You can output the digital signal via the coaxial output jack to an AV amplifier or receiver.

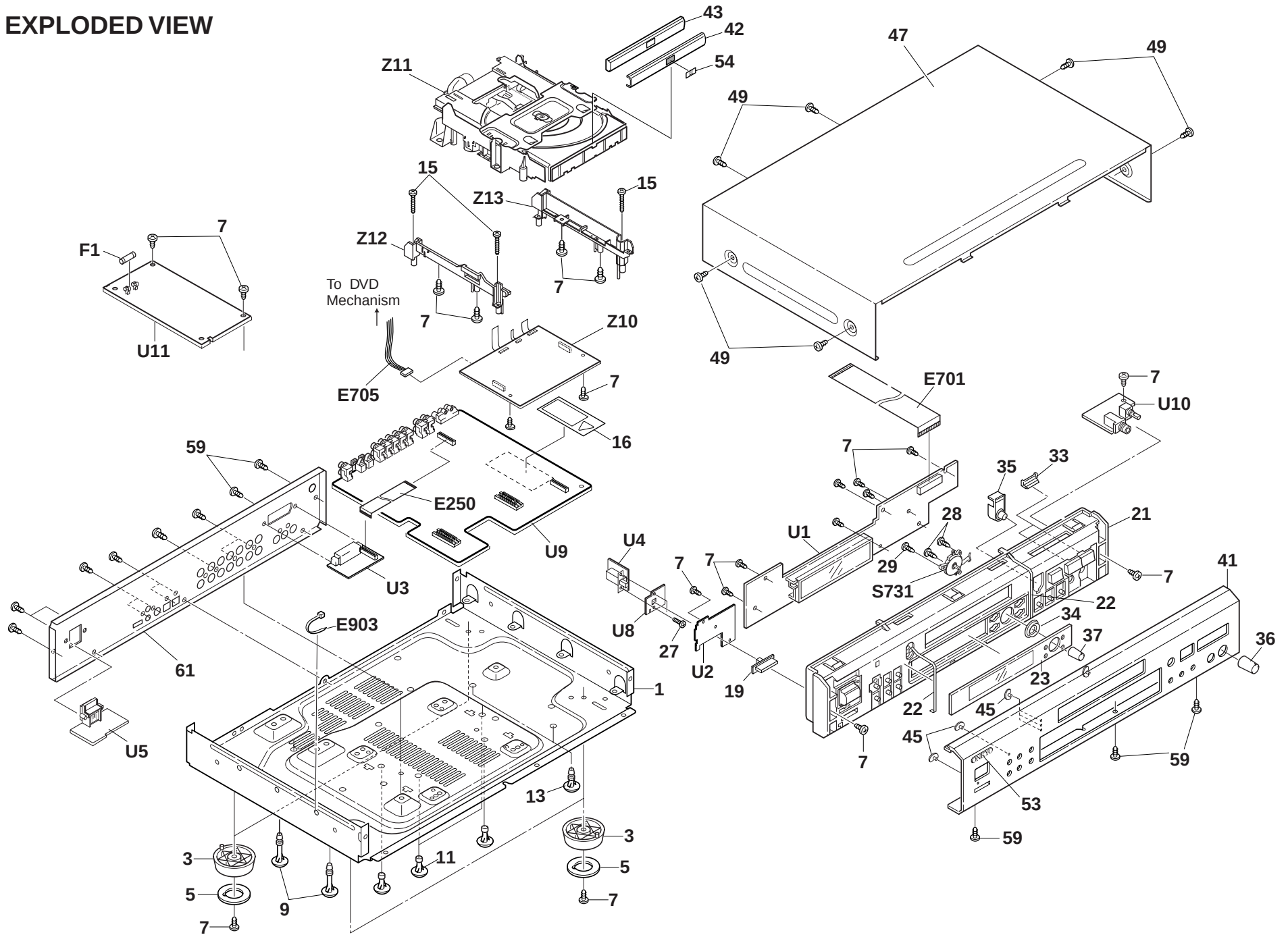
8. RI jack

Use to connect this player to another component bearing the . mark. This lets you control this unit as though it were a component in a system.

9.AC INLET

Use to connect the power cord to the wall outlet.

EXPLODED VIEW



EXPLODED VIEW PARTS LIST-1

REF.NO.	PART NO.	DESCRIPTION
1	27100399A	Chassis
3	27175316B	Leg
5	28141332	Cushion
7	838130088	3TTB+8B, Self tapping screw
9	27190428A	KGLS-10RF, Holder
11	27191112	KGPS-6RF, Holder
13	27190693	KGLS-6R, Holder
15	838130208	3TTB+20B, Self tapping screw
16	29362584	! Label DVD
19	28325497A	Knob, power
	28325499A	Knob, power <G>
	28325547A	Knob power <S>
21	27111243	Front bracket
	27111244	Front bracket <S>
	27111245	Front bracket <G>
23	28191926	Clear plate
	28191927	Clear plate <S,G>
27	82143010	3P+10FN(BC), Pan head screw
28	838126068	2.6TTB+6B, Self tapping screw
29	838426088	2.6TTB+8B(BC), Self tapping screw
33	28198935	Facet, PLAY
34	27268041	Guide, CRS
35	28325953	Knob B, OPEN AS
	28325954	Knob S, OPEN AS <S>
	28325955	Knob G, OPEN AS <G>
36	28325452	Knob, MIC
	28325495	Knob, MIC <N,G>
	28325515	Knob, MIC <S>

NOTE: THE COMPONENTS IDENTIFIED BY MARK  ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE ONLY WITH PART NUMBER SPECIFIED.

REF.NO.	PART NO.	DESCRIPTION
37	28325933	Knob, CRS
	28325934	Knob, CRS <S>
	28325935	Knob, CRS <G>
41	27212342A	Front panel <MUP,MUS>
	27212343A	Front panel <S><MUP>
	27212344A	Front panel<G><MUS,MUT>
42	28148488	Door
	28148489	Door <S>
	28148490	Door <G>
43	28148491	Door, MOULD
	28148492	Door, MOULD <S>
	28148493	Door, MOULD <G>
45	28198906	Facet, S
47	28184779A	Top cover <S>
	28184780A	Top cover <G>
	28184808	Top cover
49	838430088	3TTB+8B(BC), Self tapping screw
	838930088	3TTB+8B(UN), Self tapping screw <S,G>
53	28135244	Badge <MUP,MUS>
	28135245	Badge <MUP,MUT,MUS>
	28135245	Badge <G><MUR>
54	28135284	Badge, DVD-AUDIO
	28135285	Badge, DVD-AUDIO <S><G>
59	838430088	3TTB+8B(BC), Self tapping screw

NOTE:

<MUP> :European arer(Regional restriction code-2)

<MUT> :Some Asian arer(Regional restriction code-3)

<MUS> :South American arer(Regional restriction code-4)

<MUR> :Chinese arer(Regional restriction code-6)

 :Black color model only

<G> :Golden color model only

<S> :Silver color model only

EXPLODED VIEW PARTS LIST-2

REF.NO.	PART NO.	DESCRIPTION	REF.NO.	PART NO.	DESCRIPTION
61	27122897B	Rear panel <MUP>	U1	1H465515-1B	NADIS-7215-1B, Display PC board ass'y <MUP>
	27122898B	Rear panel <MUT>		1H465515-1C	NADIS-7215-1C, Display PC board ass'y <MUT>
	27122899B	Rear panel <MUS>		1H465515-1D	NADIS-7215-1D, Display PC board ass'y <MUS>
	27122900B	Rear panel <MUR>		1H465515-1E	NADIS-7215-1E, Display PC board ass'y <MUR>
E250	2047201512	NCFC7-201512, Flexible flat cable <MUP>	U2	1H465516-1B	NADIS-7216-1B, Control switch PC board ass'y <MUP>
E701	2045222012	NCFC5-222012, Flexible flat cable		1H465516-1C	NADIS-7216-1C, Control switch PC board ass'y <MUT>
E705	2009990702UL	NSAS-10P0978		1H465516-1D	NADIS-7216-1D, Control switch PC board ass'y <MUS>
E903	260208	Binder, UL		1H465516-1E	NADIS-7216-1E, Control switch PC board ass'y <MUR>
F1	252073 or	⚠ 1.6A-SE-EAK IECFUSE	U3	1H465517-1B	NAVD-7217-1B, AV connector PC board ass'y <MUP>
	252273	⚠ 1.6A-SE-TL250V	U4	1H465518-1C	NASW-7218-1C, Power switch PC board ass'y <MUT>
S731	25035710	NPS-115-S673, Cursor switch ass'y		1H465518-1D	NASW-7218-1D, Power switch PC board ass'y <MUS>
Z10	24150022	DB-VPB302, Main PC board ass'y		1H465518-1E	NASW-7218-1E, Power switch PC board ass'y <MUR>
Z11	24801010	DB-VLD301-006, DVD mechanism ass'y	U5	1H465519-1B	NAPS-7219-1B, AC inlet PC board ass'y
Z12	24840149A	DB-VAC301, adapter(L)	U8	1H465515-1B	NAETC-7222-1B, Holder PC board ass'y
Z13	24840150A	DB-VAC302, adapter(R)	U9	1H465524-1B	NAAR-7224-1B, Output terminal PC board ass'y <MUP>
				1H465524-1C	NAAR-7224-1C, Output terminal PC board ass'y <MUS,MUT,MUR>
			U10	1H465525-1B	NAETC-7225-1B, Phones jack PC board ass'y <MUP>
				1H465525-1C	NAETC-7225-1C, Phones jack PC board ass'y <MUS,MUT,MUR>
			U11	24150021A	NGPS-0021-100V-240V, Power supply unit <MUP, MUT, MUS, MUR>

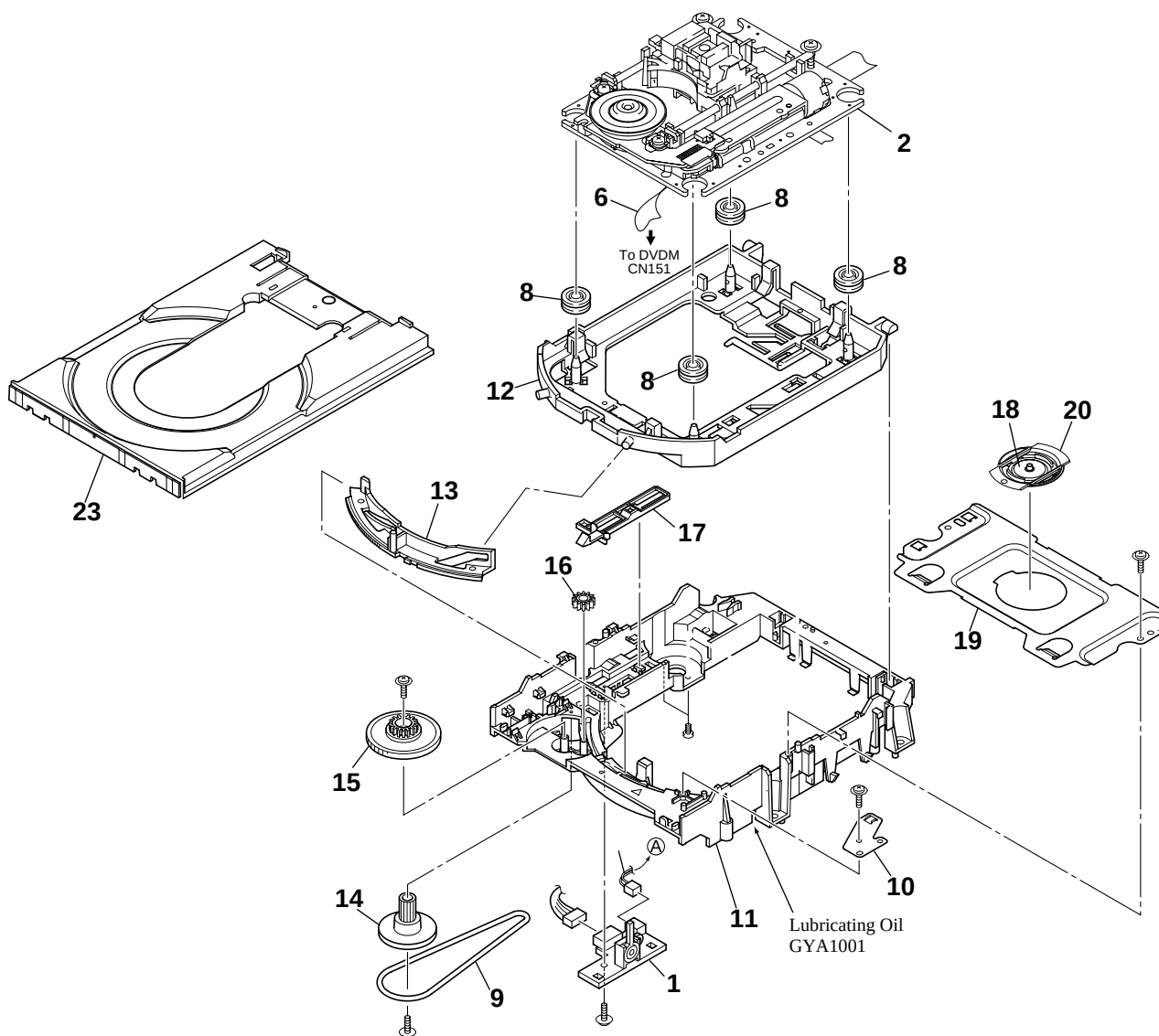
NOTE: THE COMPONENTS IDENTIFIED BY MARK ⚠ ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE ONLY WITH PART NUMBER SPECIFIED.

NOTE:

<MUP> :European arer(Regional restriction code-2)
 <MUT> :Some Asian arer(Regional restriction code-3)
 <MUS> :South American arer(Regional restriction code-4)
 <MUR> :Chinese arer(Regional restriction code-6)
 :Black color model only
 <G> :Golden color model only
 <S> :Silver color model only

EXPLODED VIEWS OF MECHANISM

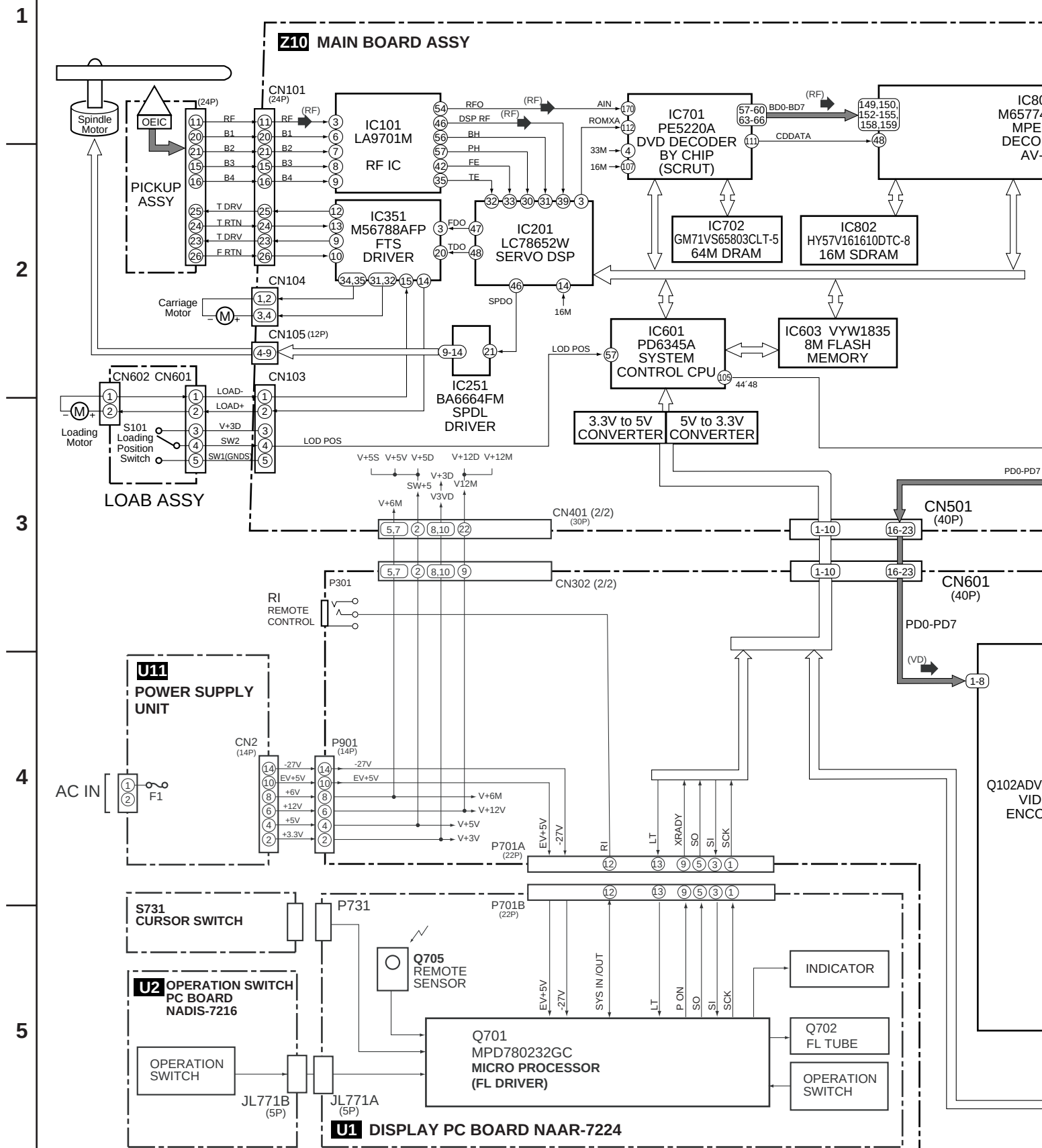
DVD MECHANISM : DB-VLD301-006

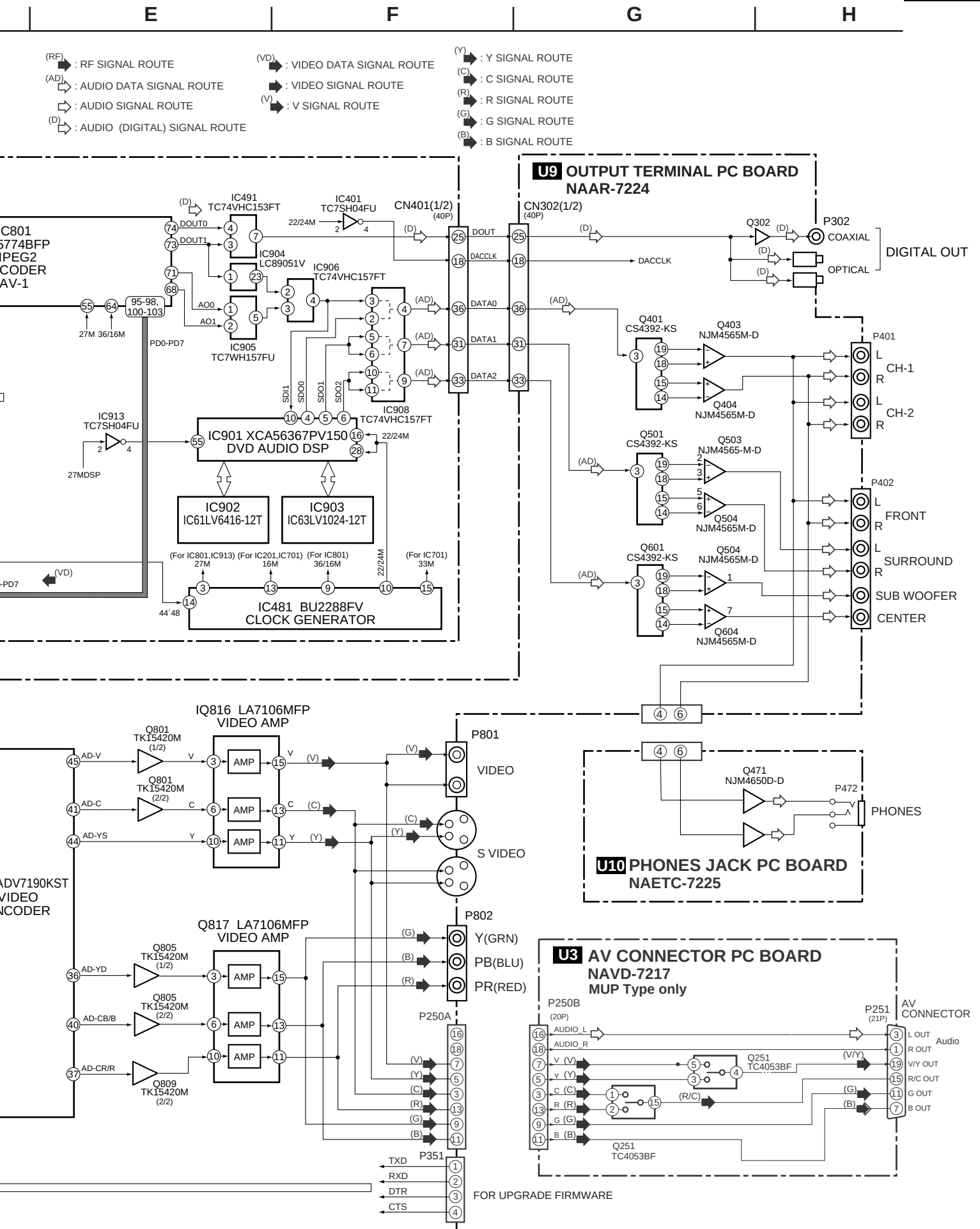


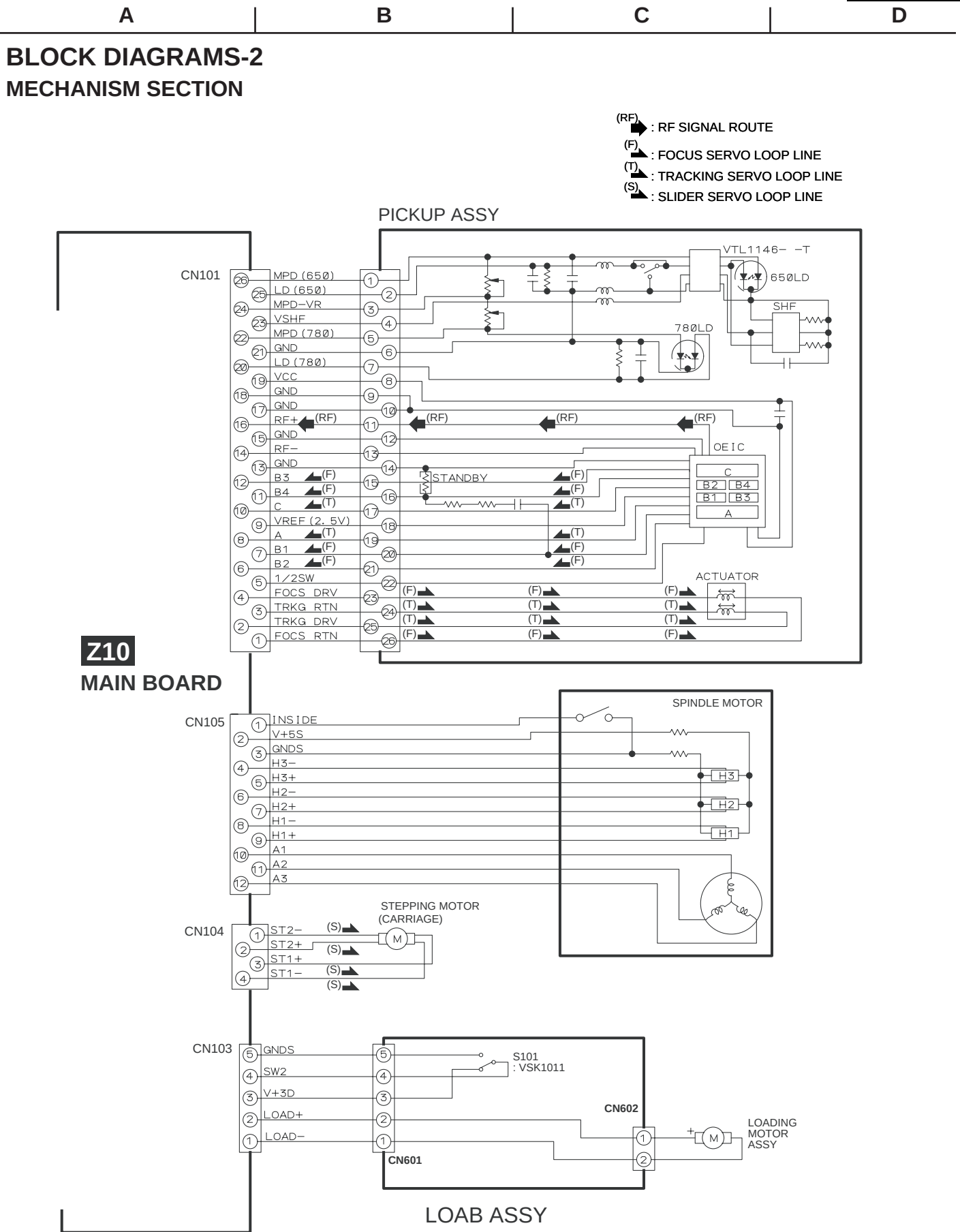
PARTS LIST

REF.NO	PART NO.	DESCRIPTION	REF.NO.	PART NO.	DESCRIPTION
1	VNP1836	Loading PC board assy	12	VNL1918	Float base DVD
2	VXX2782	Traverse mechanism assy	13	VNL1919	Drive cam
6	VDA1864	Flexible cable 26P	14	VNL1921	Gear pulley
8	VEB1327	Float rubber	15	VNL1922	Loading gear
9	VEB1328	Belt	16	VNL1923	Drive gear
10	VNE2253	Stabilizer	17	VNL1925	SW lever
11	VNL1917	Loading base	18	VNE2251	Clamper plate
			19	VNE2252	Bridge
			20	VNL1924	Clamper
			23	VNL1920	Tray

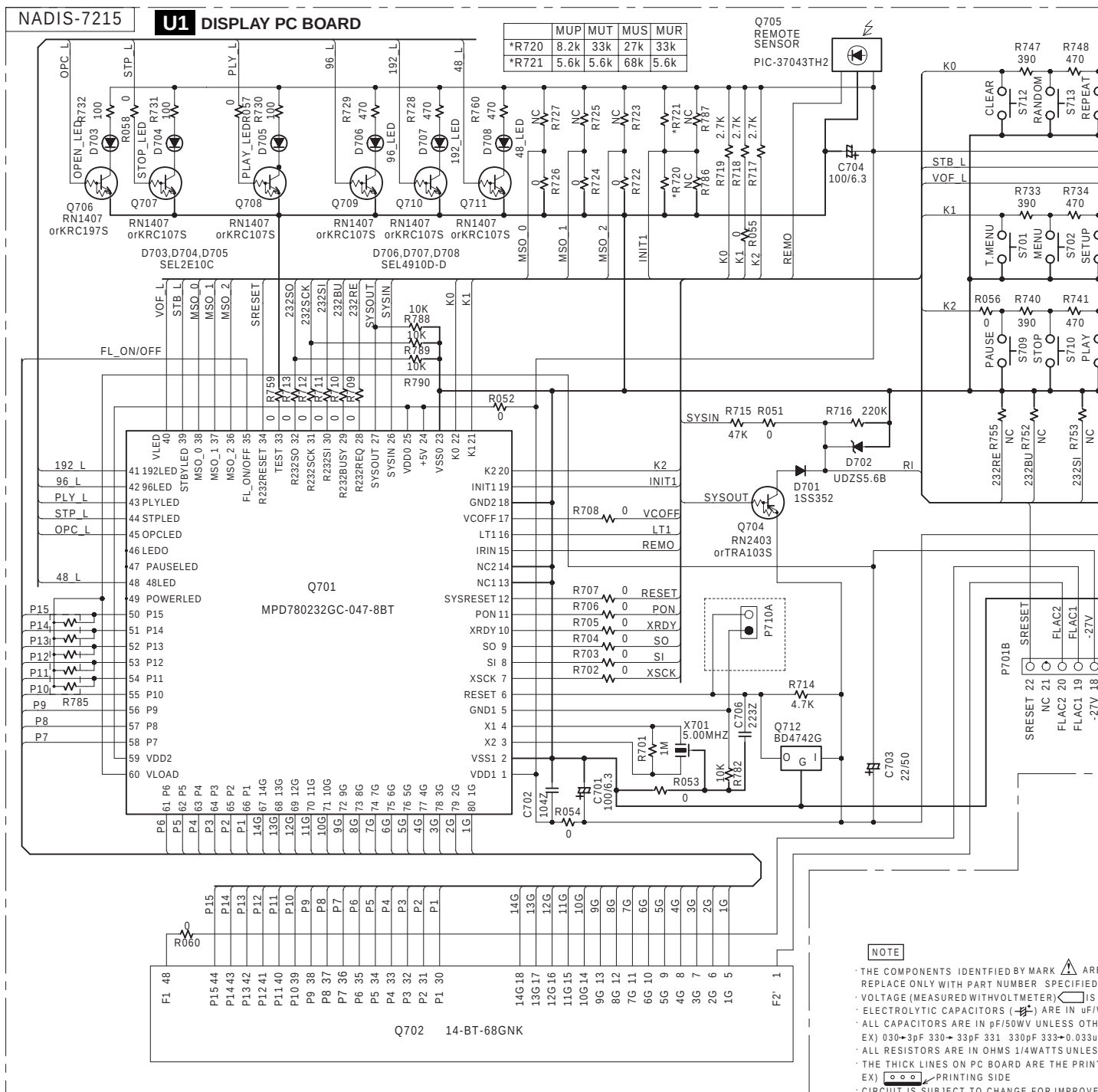
OVERALL







SCHEMATIC DIAGRAMS-1

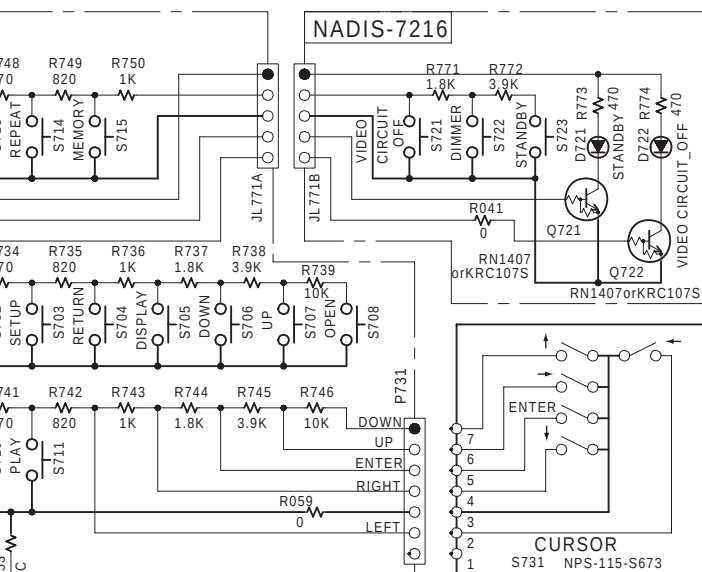
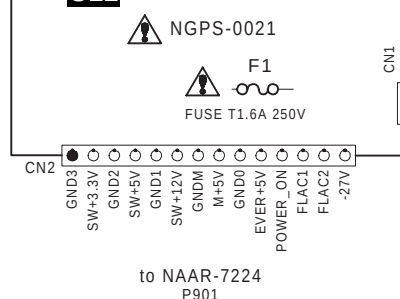
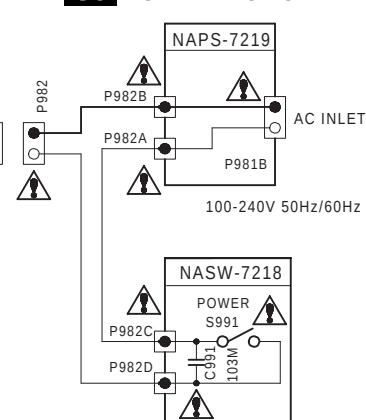


E

F

G

H

U2 OPERATION SWITCH PC BOARD**U11 POWER SUPPLY UNIT****U5 AC INLET PC BOARD****U4 POWER SWITCH PC BOARD****CAUTION**

FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH FUSE OF SAME TYPE AND RATING INDICATED.

**ATTENTION**

AFIN D'ASSURER UNE PROTECTION PERMANENTE CONTRE LES RISQUES D'INCENDIE, REMPLACER UNIQUEMENT PAR UN FUSIBLE DE MEME TYPE ET CALIBRATION COMME INDIQUE.



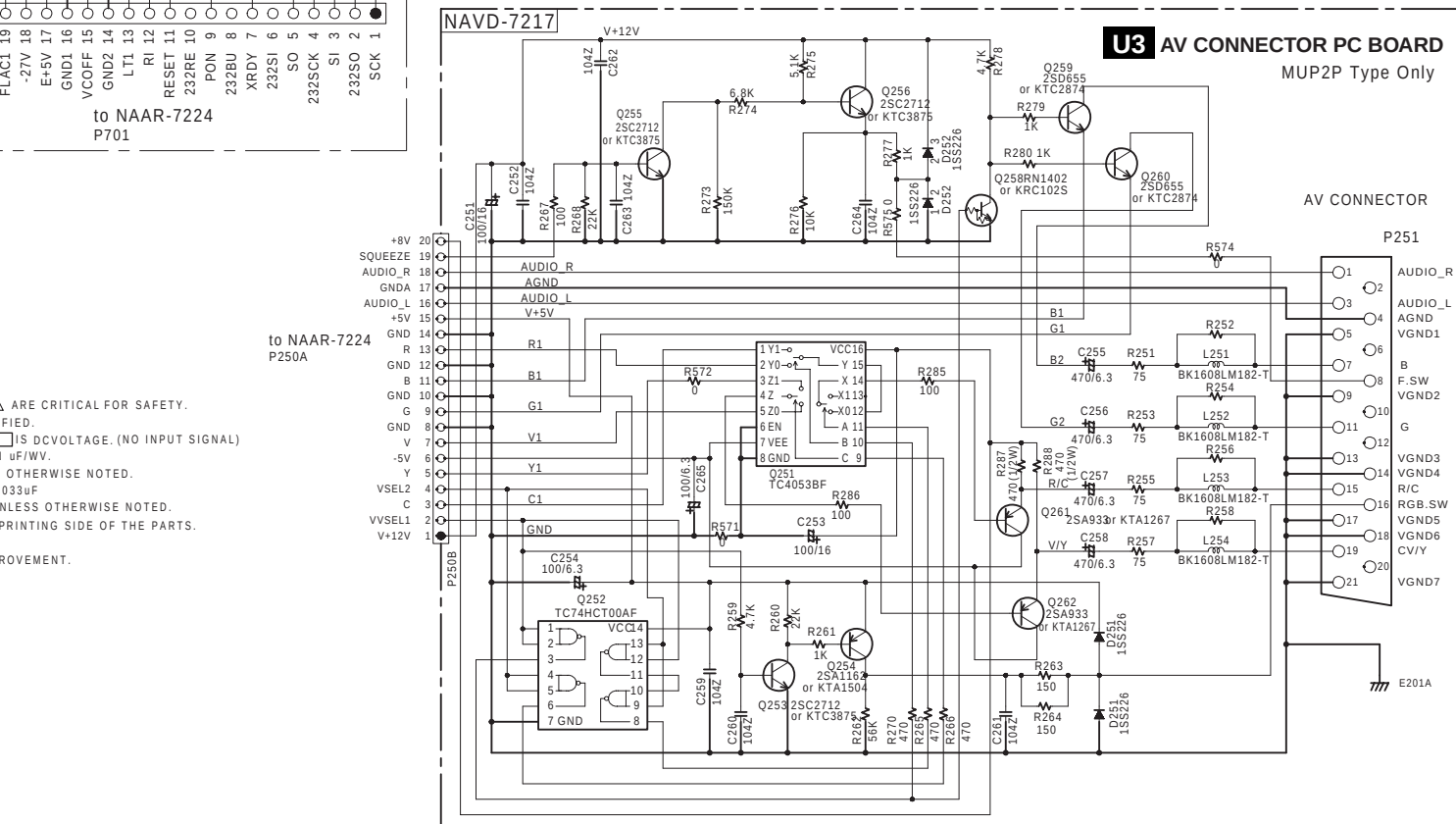
THIS SYMBOL LOCATED NEAR THE FUSE INDICATES THAT THE FUSE USED IS SLOW OPERATING TYPE FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE WITH SAME TYPE FUSE. FOR FUSE RATING REFER TO THE MARKING ADJACENT TO THE SYMBOL



CE SYMBOLE INDIQUE QUE LE FUSIBLE UTILISE EST E LENT. POUR UNE PROTECTION PERMANENTE, N'UTILISER QUE DES FUSIBLES DE MEME TYPE. CE DERNIER EST INDIQUE LA QU LE PRESENT SYMBOLE EST APPOSE.

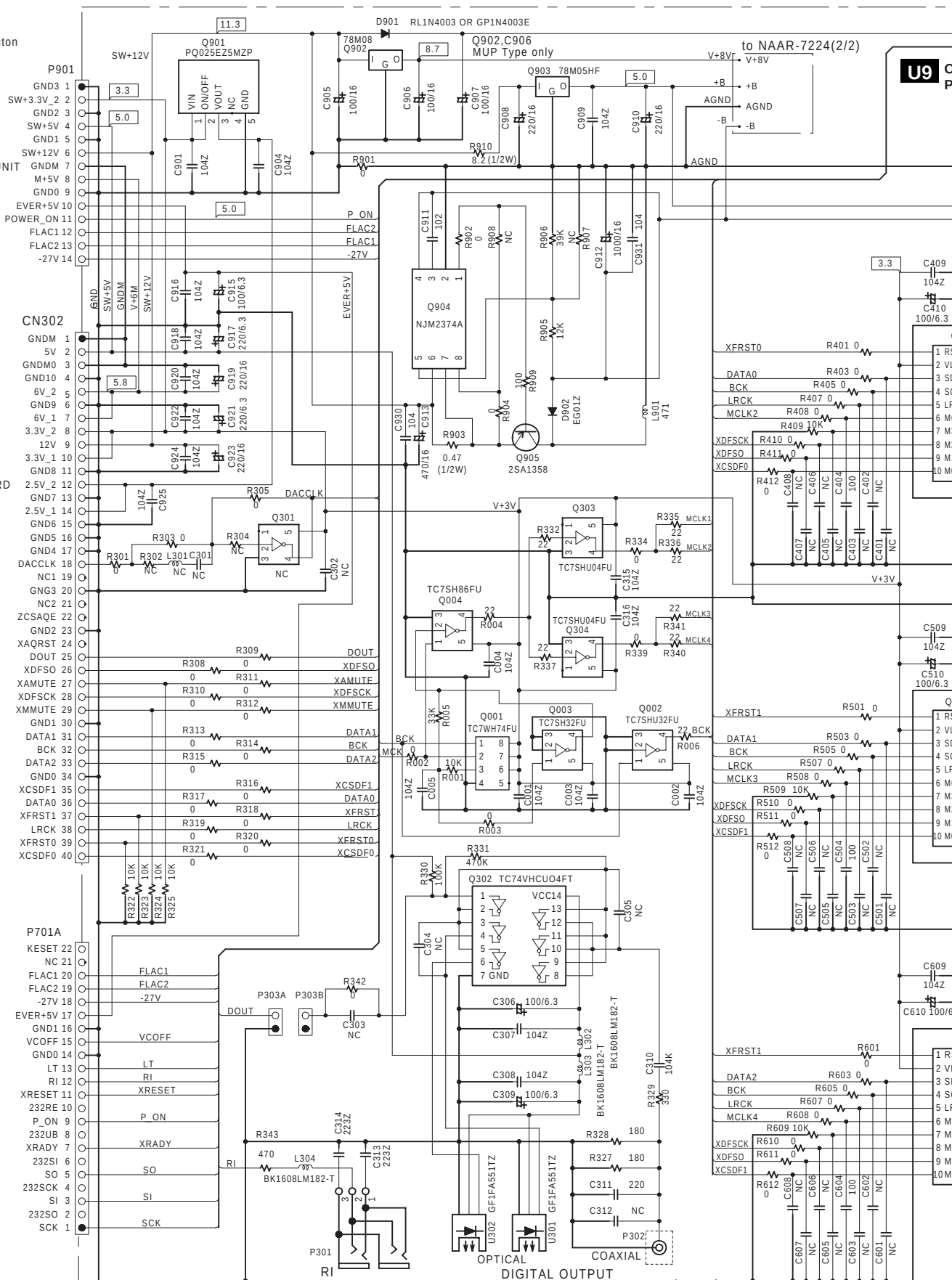
NAVD-7217**U3 AV CONNECTOR PC BOARD**

MUP2P Type Only



SCHEMATIC DIAGRAMS-2

NC : No connecton

To POWER SUPPLY UNIT
CN2to DVD MAIN BOARD
CN401to NADIS-7215
P701BU9
O
P

P471B

XAMUTF

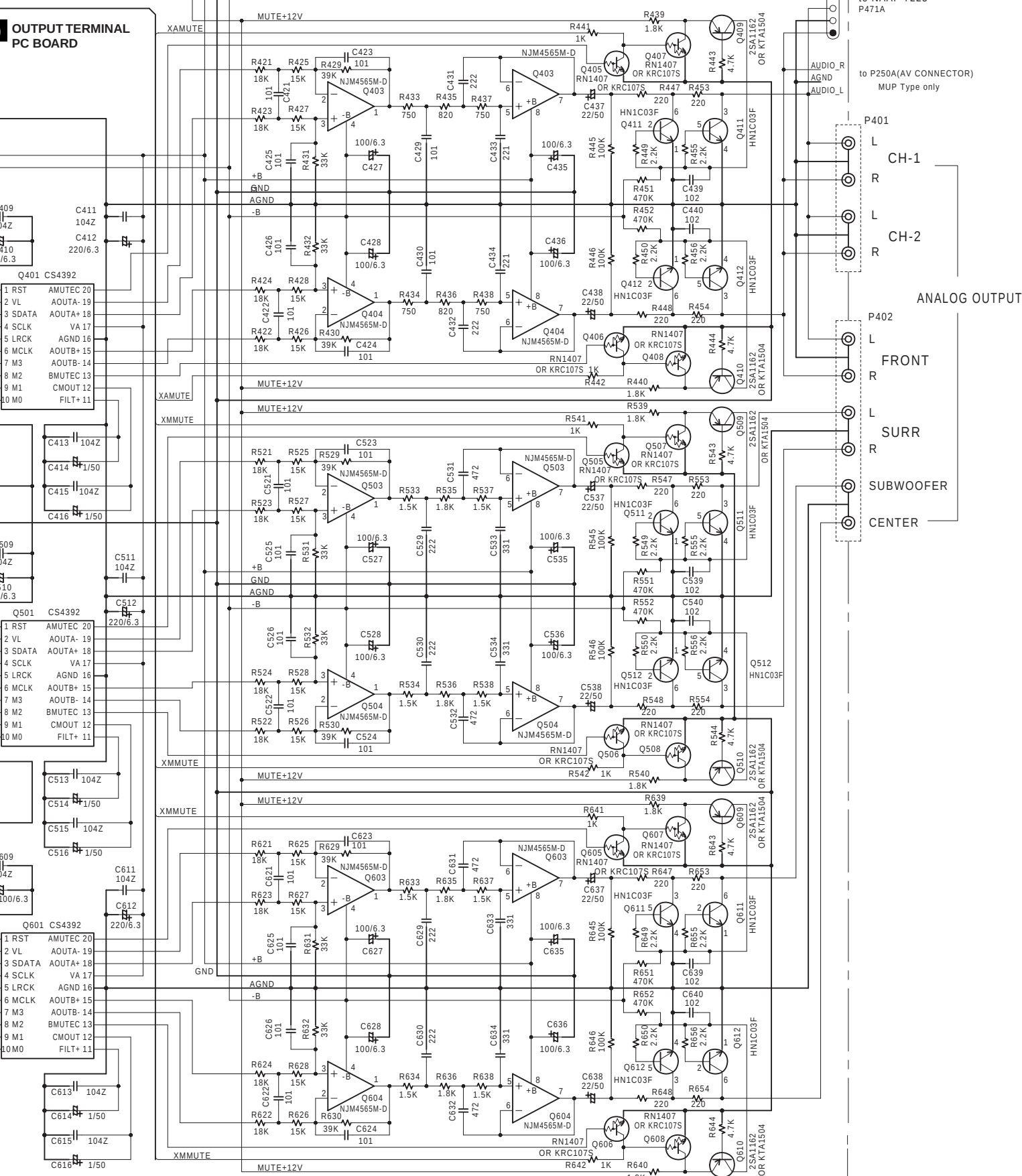
to NAAF-7225
P471A

to P250A(AV CONNECTOR)
MUP Type only

	P401	
a)	L	CH-1
b)	R	
c)	L	CH-2

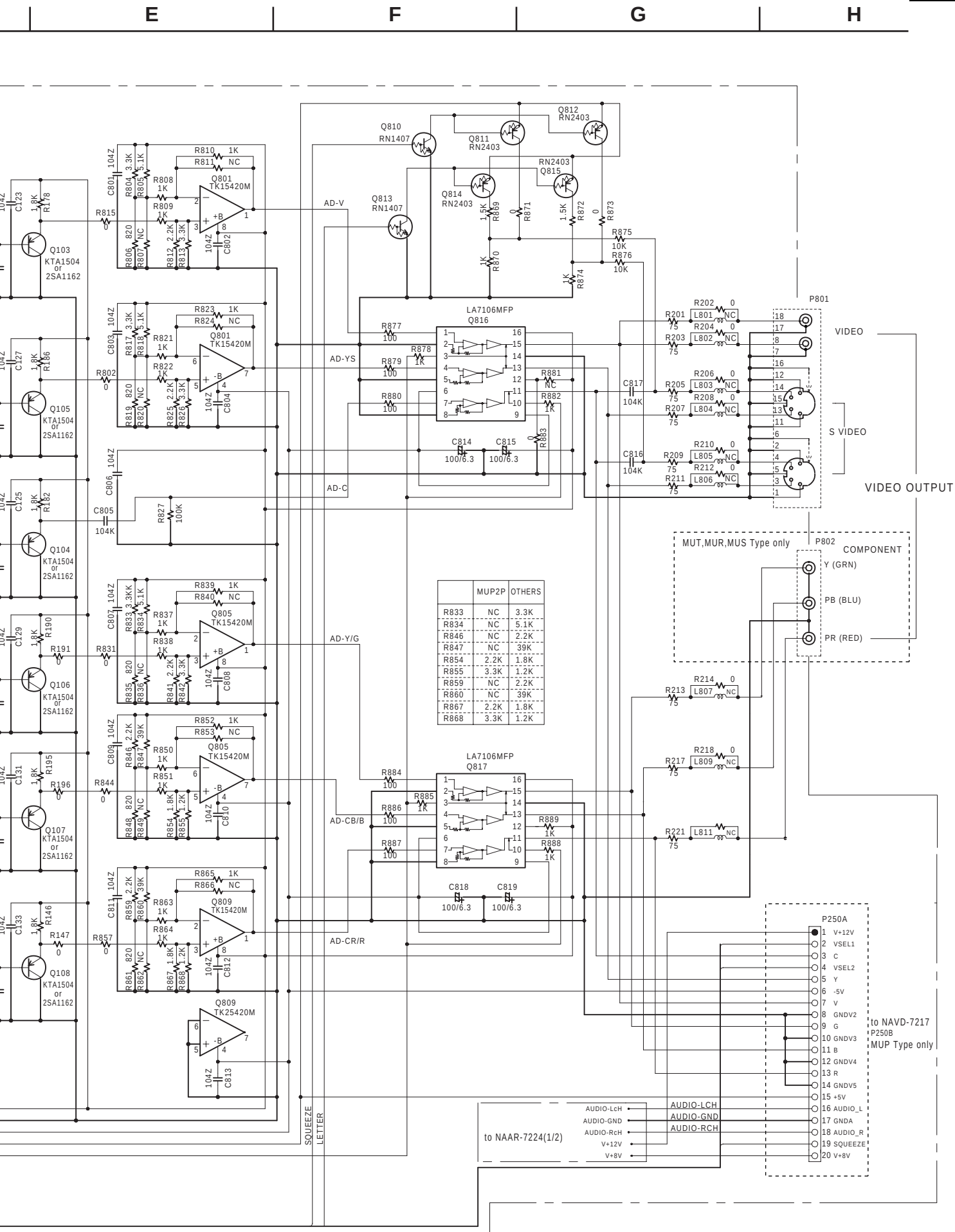
ANALOG OUTPUT

P402
L FRONT
R
L SURR
R
SUBWOOF
CENTER



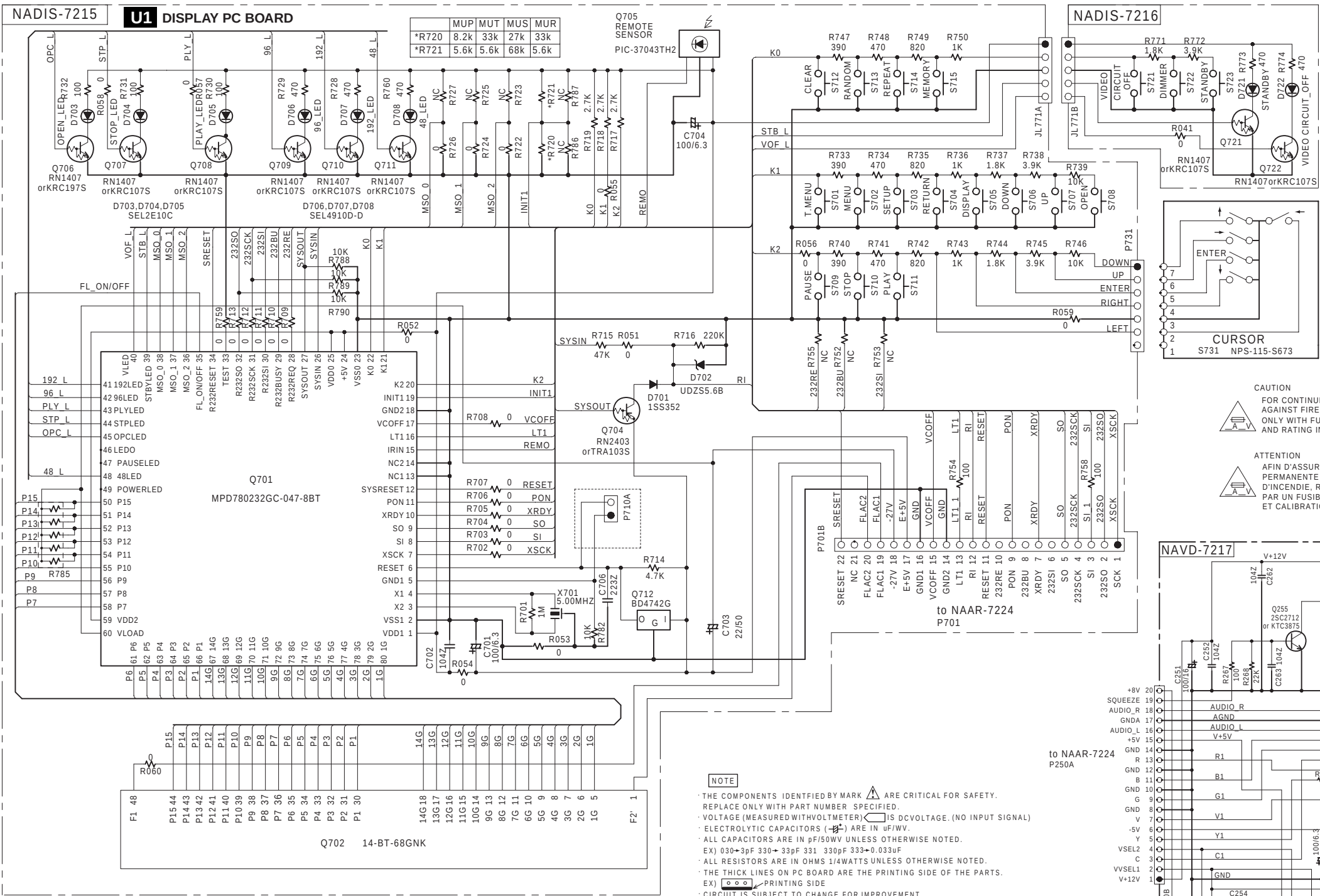
A	B	C	D
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SCHEMATIC DIAGRAMS-1

1
2
3
4
5



NOTE

THE COMPONENTS IDENTIFIED BY MARK  ARE CRITICAL FOR SAFETY. REPLACE ONLY WITH PART NUMBER SPECIFIED.

VOLTAGE (MEASURED WITH VOLT METER)  IS DC VOLTAGE. (NO INPUT SIGNAL)

ELECTROLYTIC CAPACITORS () ARE IN uF/WV.

ALL CAPACITORS ARE IN pF/50WV UNLESS OTHERWISE NOTED.

EX) 030+3pF 330+33pF 331 330pF 333+0.033uF

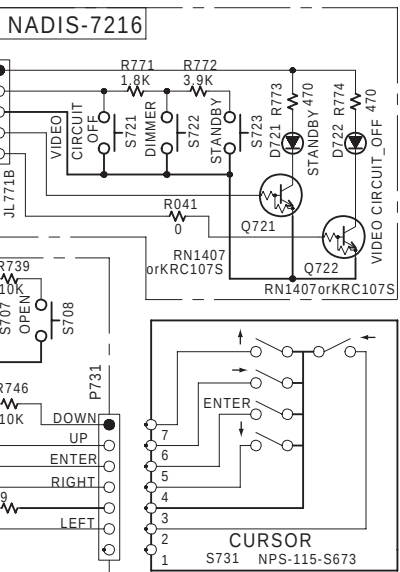
ALL RESISTORS ARE IN OHMS 1/4WATTS UNLESS OTHERWISE NOTED.

THE THICK LINES ON PC BOARD ARE THE PRINTING SIDE OF THE PARTS.

EX)  PRINTING SIDE

CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

U2 OPERATION SWITCH PC BOARD



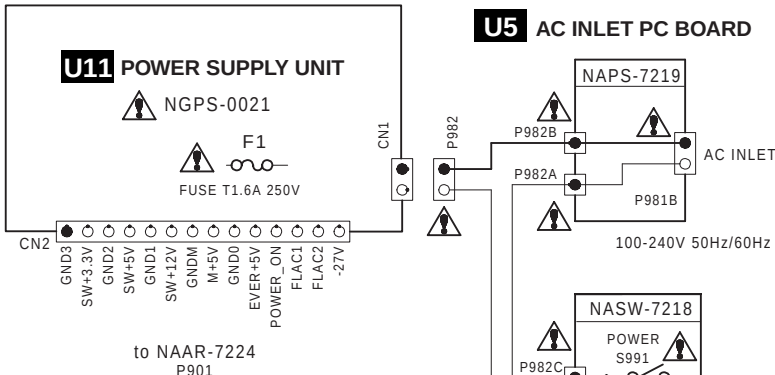
CAUTION
FOR CONTINUED PROTECTION
AGAINST FIRE HAZARD, REPLACE
ONLY WITH FUSE OF SAME TYPE
AND RATING INDICATED.

ATTENTION
AFIN D'ASSURER UNE PROTECTION
PERMANENTE CONTRE LES RISQUES
D'INCENDIE, REMPLACER UNIQUEMENT
PAR UN FUSIBLE DE MEME TYPE
ET CALIBRATION COMME INDIQUE.

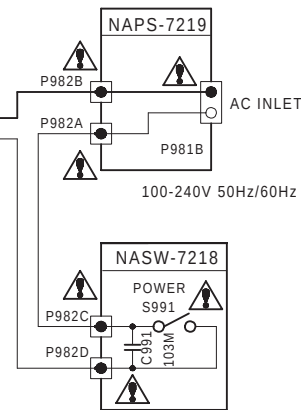
THIS SYMBOL LOCATED NEAR THE FUSE INDICATES
THAT THE FUSE USED IS SLOW OPERATING TYPE
FOR CONTINUED PROTECTION AGAINST FIRE
HAZARD, REPLACE WITH SAME TYPE FUSE. FOR FUSE
RATING REFER TO THE MARKING ADJACENT TO THE SYMBOL

CE SYMBOLE INDIQUE QUE LE FUSIBLE UTILISE EST
E LENT. POUR UNE PROTECTION PERMANENTE, N'UTILISER
QUE DES FUSIBLES DE MEME TYPE. CE DARNIER EST
INDIQUE LA QU LE PRESENT SYMBOLE EST APPOSE.

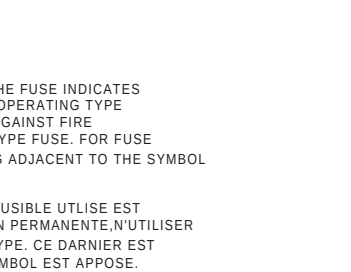
U11 POWER SUPPLY UNIT



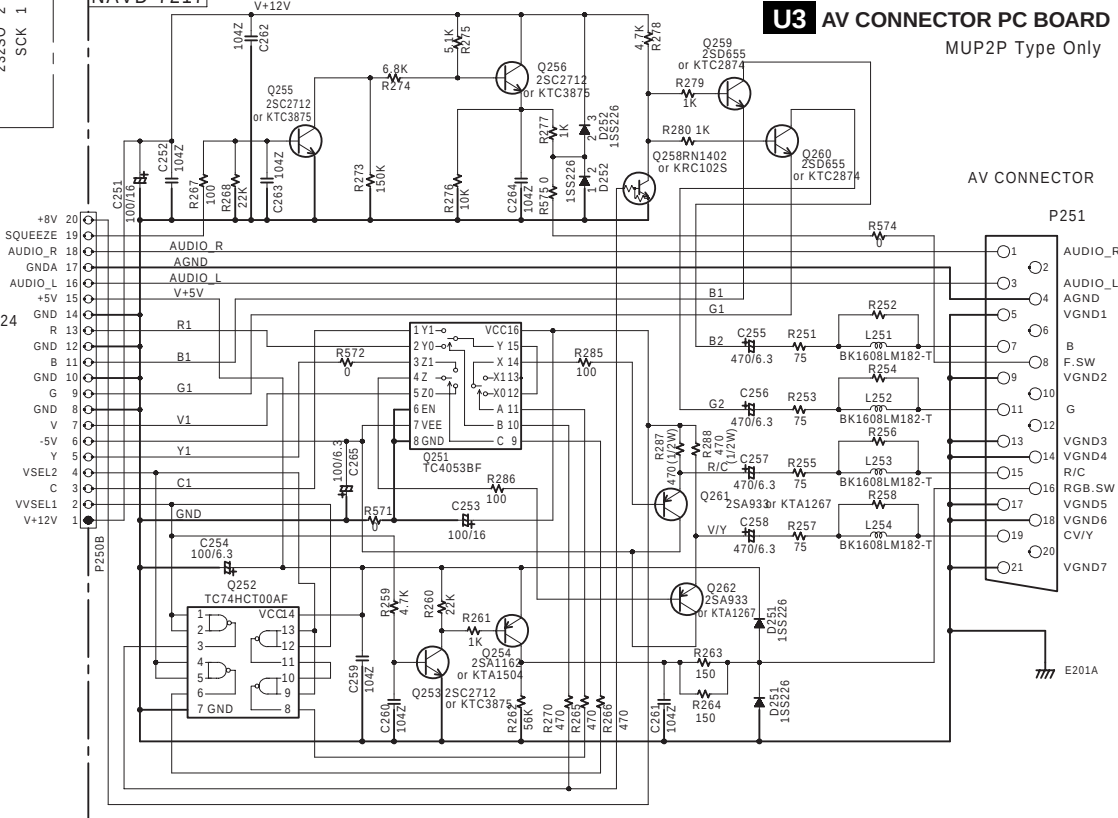
U5 AC INLET PC BOARD



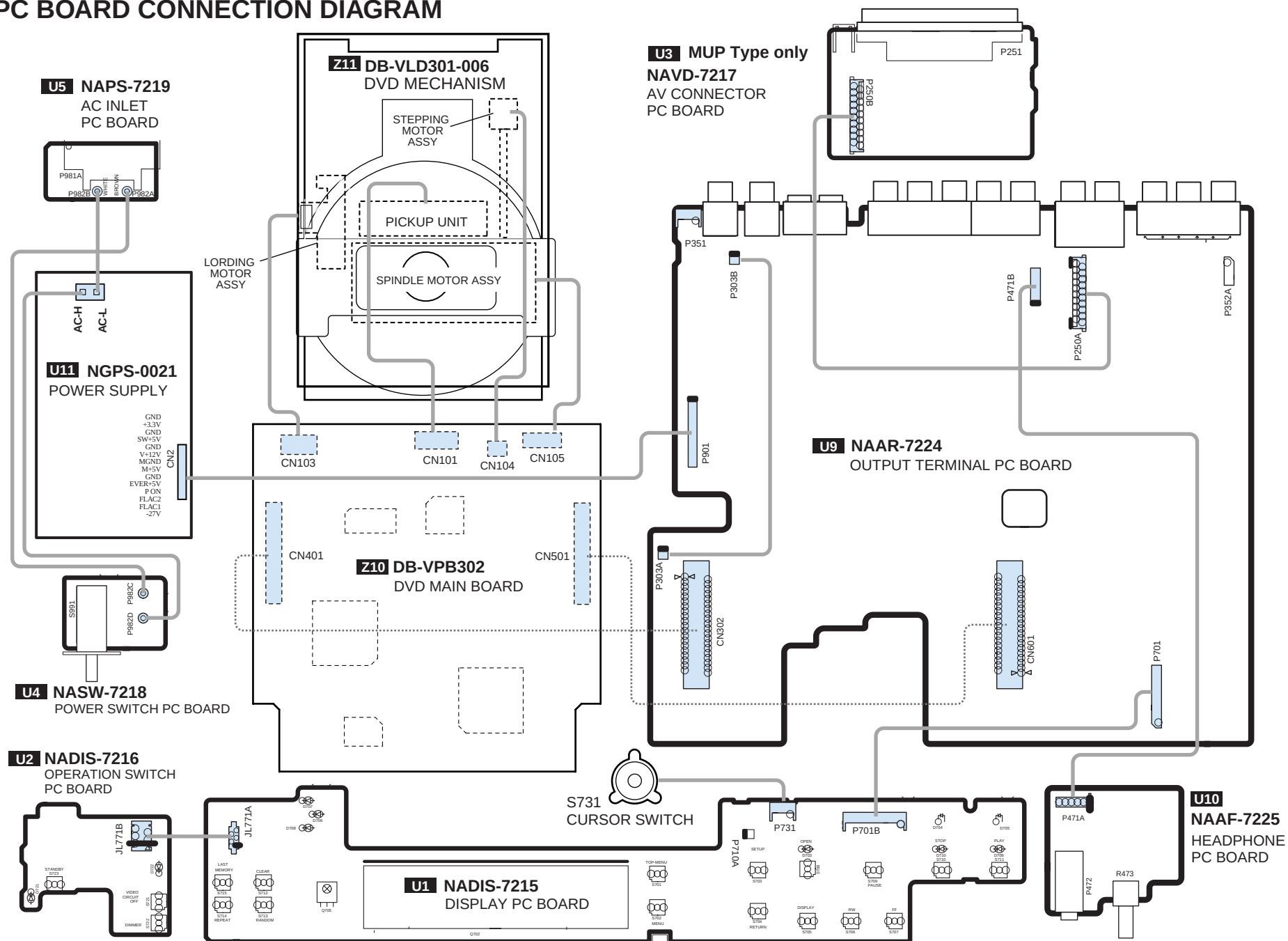
U4 POWER SWITCH PC BOARD



NAVD-7217



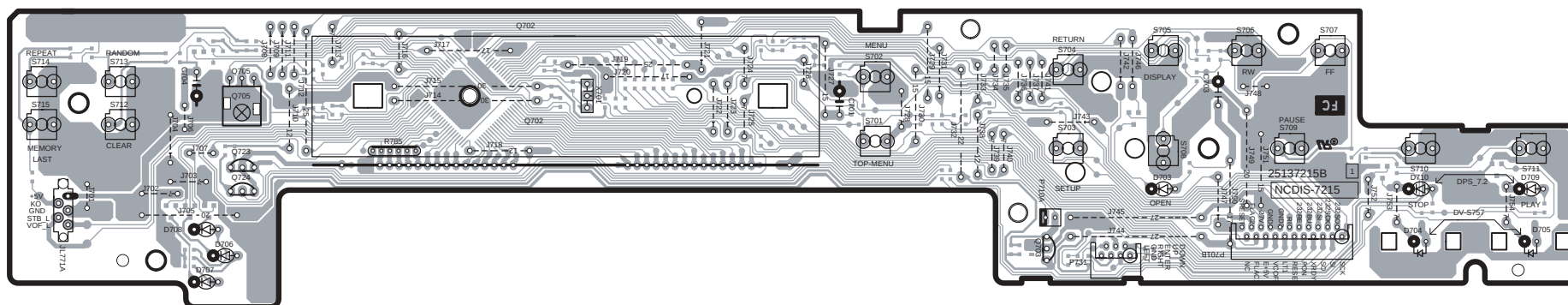
PC BOARD CONNECTION DIAGRAM



E

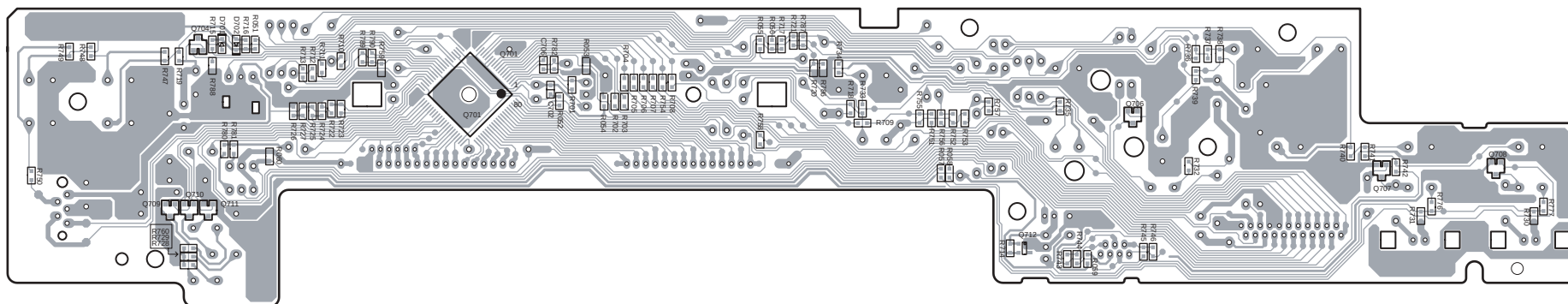
U1 DISPLAY PC BOARD (NADIS-7215)

Component side



2

3

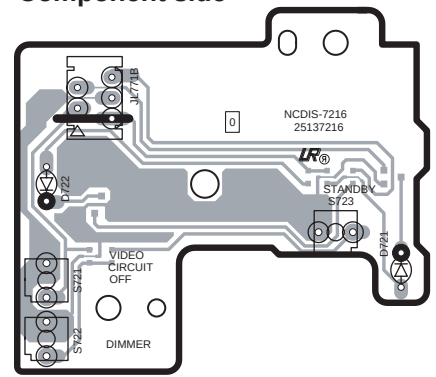


4

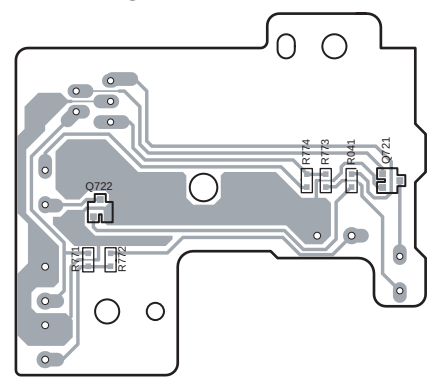
PRINTED CIRCUIT BOARD VIEWS-2

U2 OPERATION SWITCH PC BOARD (NADIS-7216)

Component side

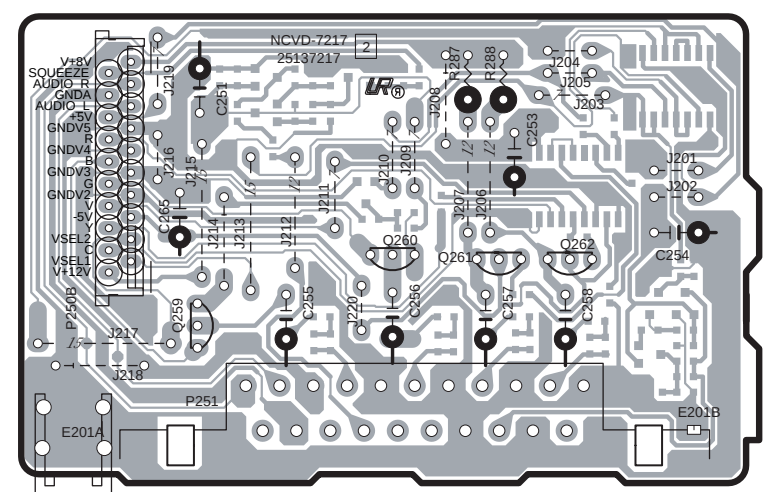


Soldering side

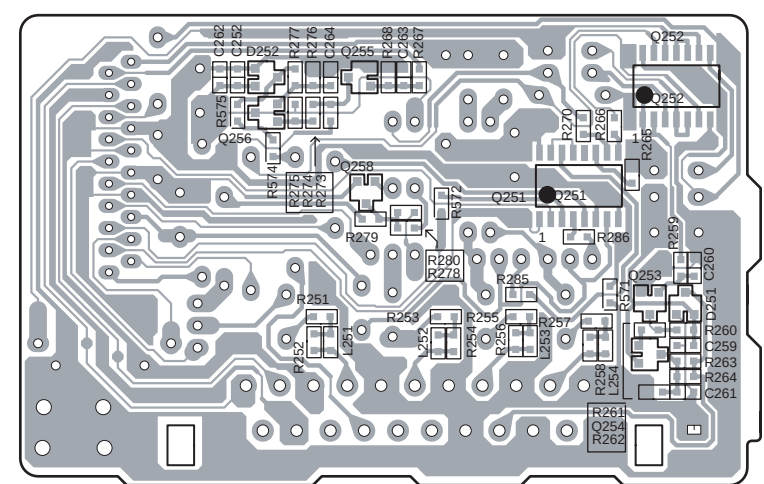


U3 AV CONNECTOR PC BOARD (NAVD-7217)

Component side

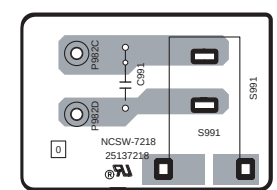


Soldering side



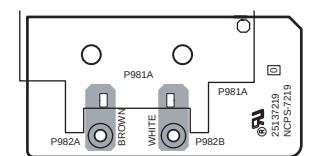
U4 POWER SWITCH PC BOARD (NASW-7218)

Soldering side



U5 AC INLET PC BOARD (NAPS-7219)

Soldering side



A

B

C

D

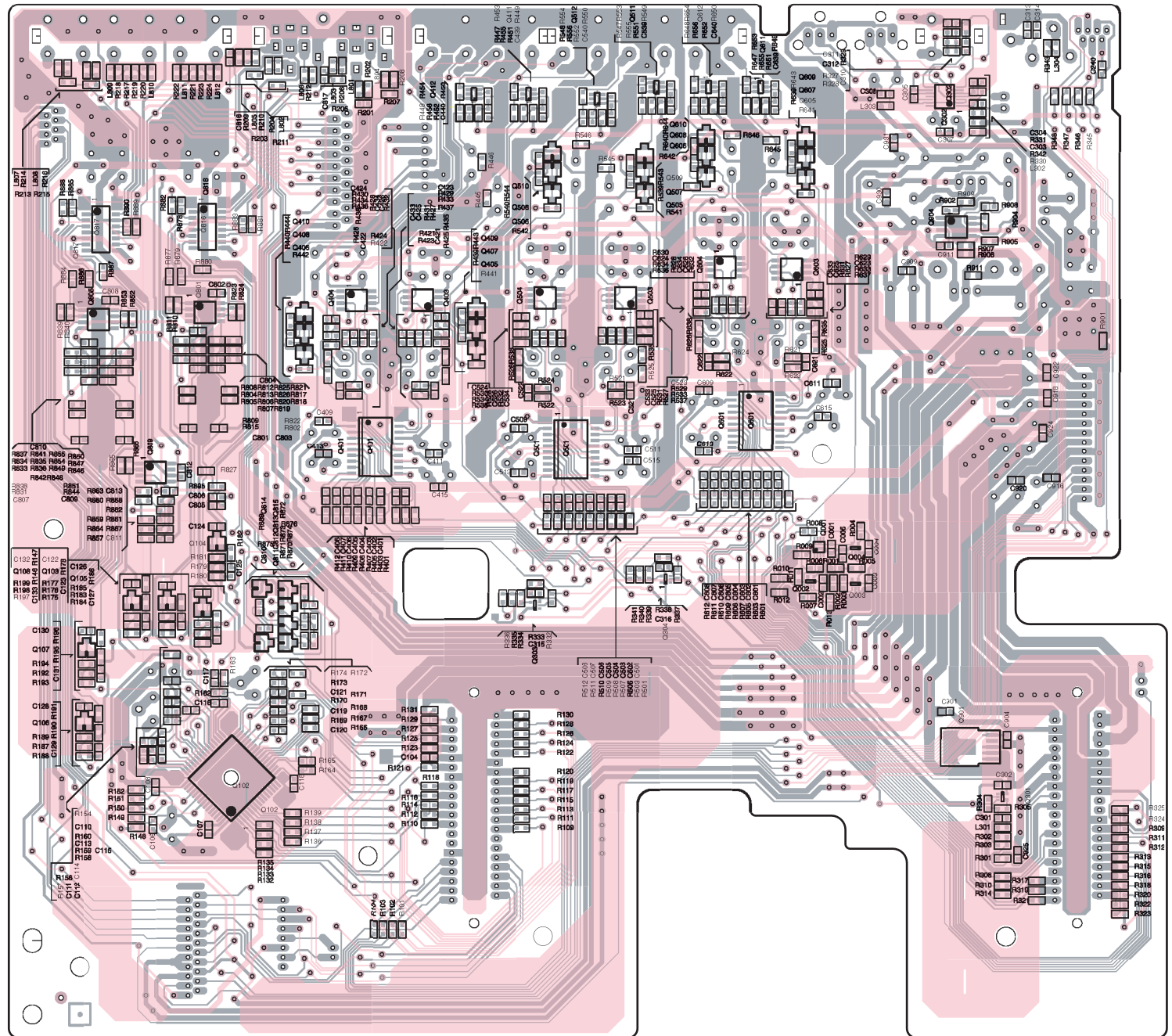
E

PRINTED CIRCUIT BOARD VIEWS-3

U9

**OUTPUT TERMINAL
PC BOARD (NAAR-7224)**

Soldering side



A

B

C

D

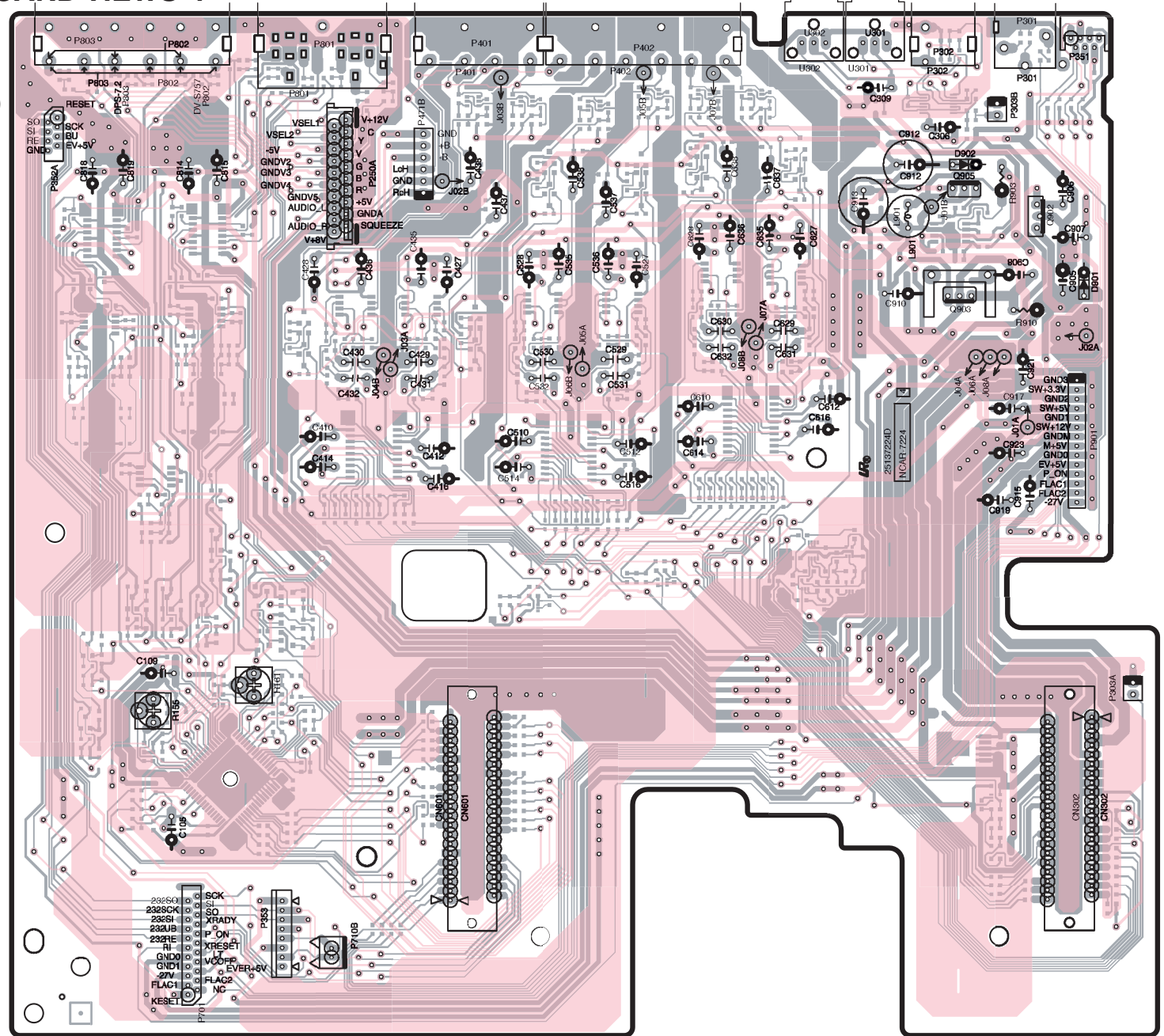
E

PRINTED CIRCUIT BOARD VIEWS-4

U9

OUTPUT TERMINAL
PC BOARD (NAAR-7224)

Component side



A

B

C

D

E

PRINTED CIRCUIT BOARD VIEWS-5

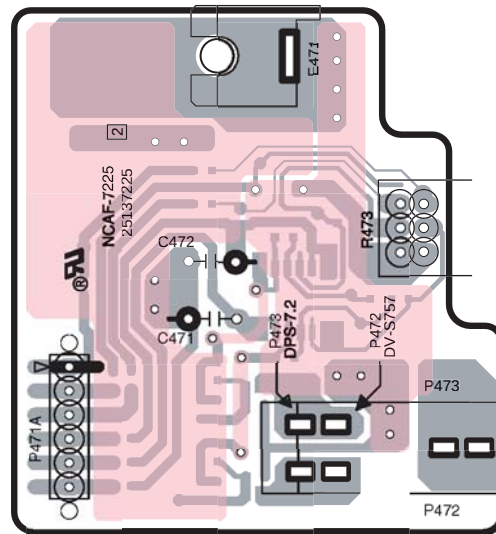
1

U10

PHONES JACK PC BOARD
(NAAF-7225)

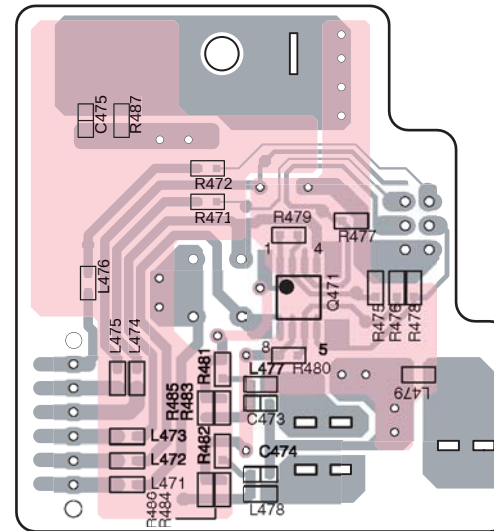
2

Component side



3

Soldering side



4

A

B

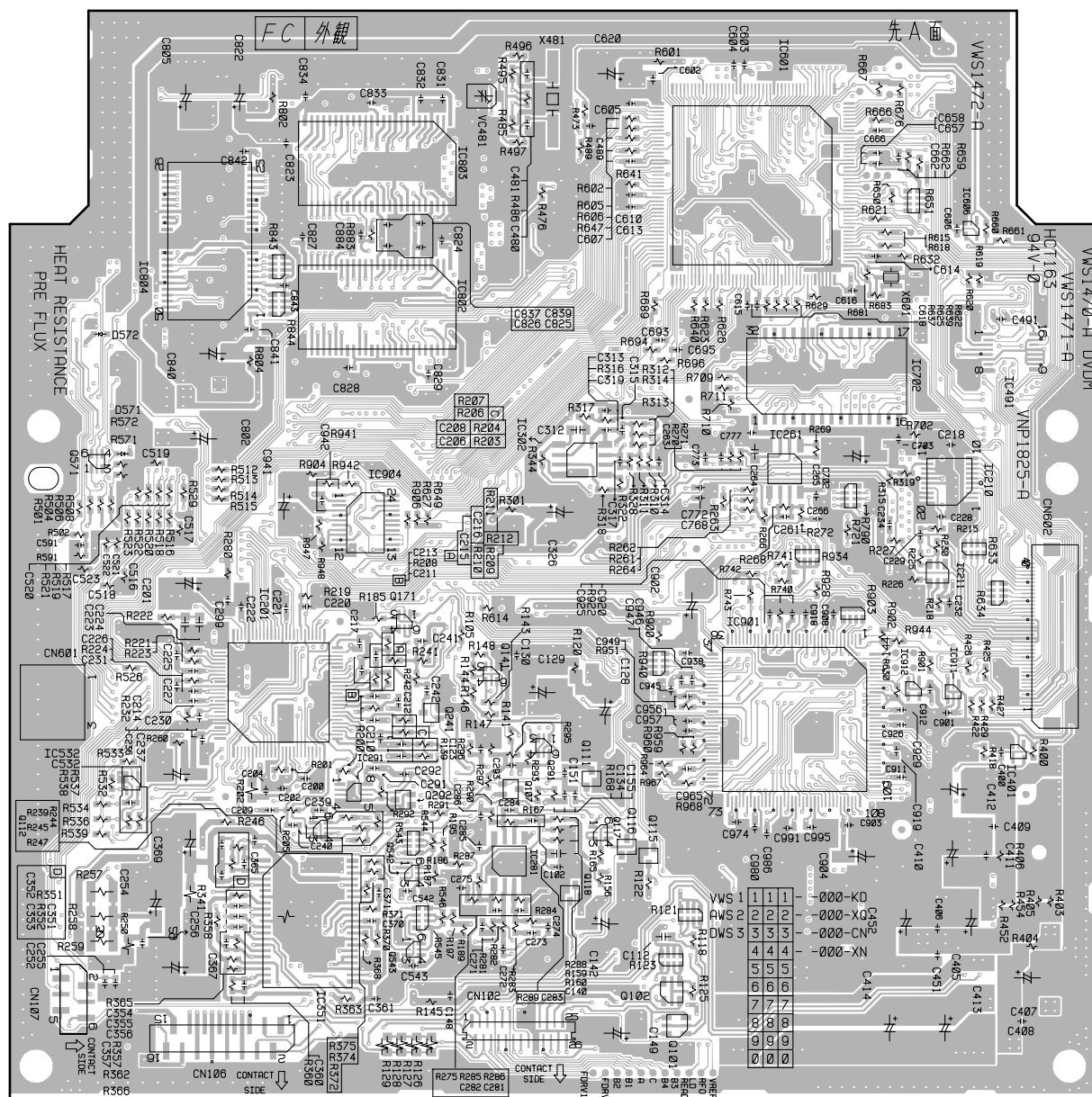
C

D

PRINTED CIRCUIT BOARD VIEWS-6

MAIN CIRCUIT PC BOARD (DB-VPB302)

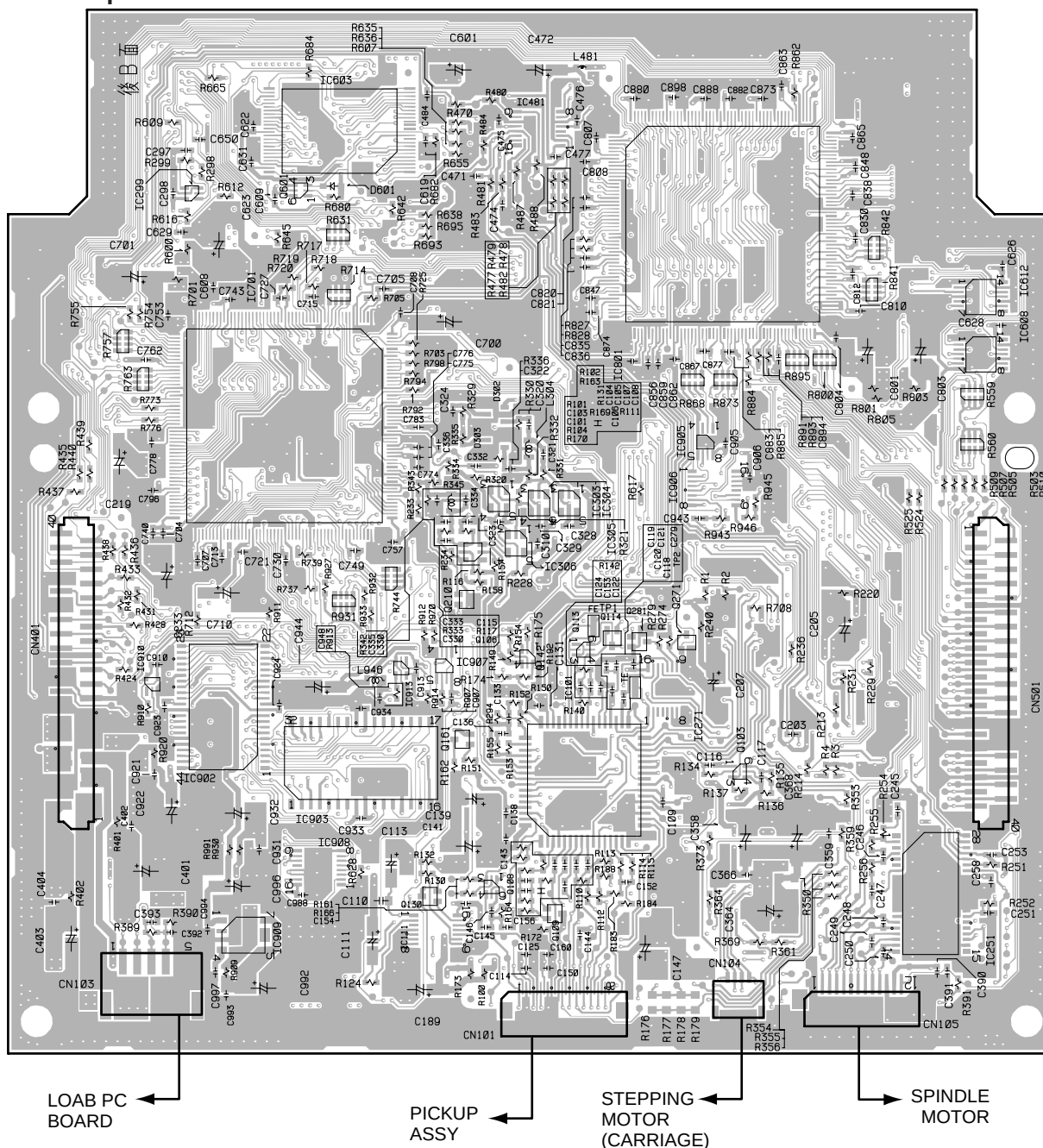
Top pattern and top silk



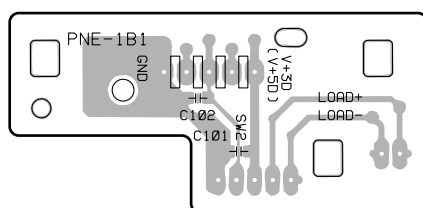
PRINTED CIRCUIT BOARD VIEWS-7

MAIN CIRCUIT PC BOARD (DB-VPB302)

Bottom pattern and bottom silk



LOAB PC BOARD (VNP1836)



This PC Board includes the DVD mechanism assy.

PRINTED CIRCUIT BOARD PARTS LIST-1

U1 DISPLAY PC BOARD (NADIS-7215-1B/1C/D/E)

CIRCUIT NO.	PART NO.	DESCRIPTION
	FL tube	
Q702	212219	14-BT-68GNK
	Remote sensor	
Q705	241336	PIC-37043TH2
	ICs	
Q701	22241734R3 or	MPD780232GC-047-8BT
Q712	22241713R2	BD4742G
	Transistors	
Q704	2216230R2 or	KRA103S or
	2214540R2	RN2403
Q706, Q711	2216340R2 or	KRC107S or
	2216260R2	RN1407
	Diodes	
D701	223234R2 or	1SS352 or
	223269R2	1SS355
D702	224550560R2	UDZS5.6B
D703	225374	SEL2E10C, LED
D704, D705	225374	SEL2E10C
D706-D708	225291D	SEL4910D-D, LED
	Ceramic resonator	
X701	3010242	CST5.00MGW
	Capacitors	
C701, C704	355721019	CE04W6.3V-100uF, Elect.
C703	355782209	CE04W50V-22uF, Elect.
	Push switches	
S701-S715	25035699	NPS-111-S662
	Sockets	
JL771A	25051089	NSCT-5P876, Wire holder
P701B	25052359 or	NSCT-22P2256 or
	25051904 or	NSCT-22P1691 or
	25052543	NSCT-22P2440
P731	25052344 or	NSCT-7P2241 or
	25051889 or	NSCT-7P1676 or
	25052528	NSCT-7P2425
	FL folder	
Q702B	27191141	Folder
	LED holder	
D704A, D705A	27191150	Folder

U2 OPERATION SWITCH PC BOARD (NADIS-7216-1B/1C/1D/1E)

	Transistors	
Q721, Q722	2216340R2 or	KRC107S or
	2216260R2	RN1407

CIRCUIT NO.	PART NO.	DESCRIPTION
	LEDs	
D721	225290	SEL4110R
D722	225291D	SEL4910D-D
	Push switches	
S721-S723	25035699	NPS-111-S662
	Plug	
JL771B	25055626	NPLG-5P588, Wire trap

U3 AV CONNECTOR PC BOARD (NAVD-7217-1B) <MUP Only>

	ICs	
Q251, Q252	222840531R2TO	TC4053BF
	222740007R2TO	TC74HCT00AF
	Transistors	
JL771B	2213144R2 or	2SC2712-Y or
Q253, Q255, Q256	2213145R2 or	2SC2712-GR or
	2216174R2 or	KTC3875-Y or
Q251	2216175R2	KTC3875-GR
Q252	2216185R2 or	KTA1504-GR or
	2214374R2 or	2SA1162-Y or
	2214375R2	2SA1162-GR
	2216190R2 or	KRC102S or
	2214470R2	RN1402
Q259, Q260	2216002 or	KTC2874-B or
Q254	2211705 or	2SD655-E or
	2211706	2SD655-F
Q261, Q262	2213354 or	2SA933S-R or
	2213355	2SA933S-S
Q258	2215995	KTA1267-GR
	Diodes	
D251, D252	223266R2	1SS226
	Coils	
L251-L254	230958R1	BK1608LM182-T, EMI filter
	Capacitors	
C254-C258	354721019	CE04W6.3V-100uF, Elect.
C251, C253	354741019	CE04W16V-100uF, Elect.
	Resistors	
R287, R288	443524714	RS1/2WBJ-471J
	Sockets	
P250Bor	25051827 or	NSCT-20P1614 or
	25052029 or	NSCT-20P1816 or
	25052216	NSCT-20P2113
P251	25052279	NSCT-21P2176, Scart terminal
	Reterner	
E201B	27150455	Shield plate

NOTE:

<MUP> :European arer(Regional restriction code-2)
 <MUT> :Some Asian arer(Regional restriction code-3)
 <MUS> :South American arer(Regional restriction code-4)
 <MUR> :Chinese arer(Regional restriction code-6)

NOTE : THE COMPONENTS IDENTIFIED BY MARK  ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE ONLY WITH PART NUMBER SPECIFIED.

PRINTED CIRCUIT BOARD PARTS LIST-2

U4**POWER SWITCH PC BOARD
(NASW-7218-1B/1C/1D/1E)**

CIRCUIT NO.	PART NO.	DESCRIPTION	CIRCUIT NO.	PART NO.	DESCRIPTION
	Capacitor				
C991	3500196S	△ RE275V-103M, IS capacitor	Q505-Q508	2216340R2 or	KRC107S or
	Push switch			2216260R2	RN1407
S991	25035703 or	△ NPS-111-L666P or	Q509,Q510	2214373R2 or	2SA1162-O or
	25035550	△ NPS-111-L512P, Power		2214374R2 or	2SA1162-Y or
	Socket			2216185R2	KTA1504-GR
P982B	2009990661UL	△ NSAS-2P0921, Scket AS	Q511,Q512	2216141R2	HN1C03F-B, Transistor
			Q605-Q608	2216340R2 or	KRC107S or

U5**AC INLET PC BOARD(NAPS-7219-1B)**

P981A	25056027	△ NPLG-2P977, AC inlet	Q609,Q610	2214373R2 or	2SA1162-O or
				2214374R2 or	2SA1162-Y or

U9**OUTPUT TERMINAL PC BOARD
(NAAR-7224-1B/1C)**

	Photo couplers				
U301,U302	24120085	GP1FA551TZ, Digital output	Q611,Q612	2216141R2	HN1C03F-B, Transistor
	ICs		Q810,Q813	2216340R2 or	KRC107S or
Q001	22241754R2	TC7WH74FU-TRB		2216260R2	RN1407
Q002,Q003	22241752R2	TC7SH32FU-TCB	Q811,Q812	2216230R2 or	KRA103S or
Q004	22241753R2	TC7SH86FU-TCB		2214540R2	RN2403
Q102	22241636R3	DB-VCP303(ADV7190KST)	Q814,Q815	2216230R2 or	KRA103S or
Q302	22274004HR2TO	TC74VHCU04FT		2214540R2	RN2403
Q303,Q304	22241638R2	TC7SHU04FU	Q905	2212644	2SA1358-Y
Q401,Q501,Q601	22241635R2	CS4392-KS		Diodes	
Q403,Q404	22241383R2	NJM4565M-D	D901	22380260 or	RL1N4003 or
Q503,Q504	22241383R2	NJM4565M-D		22380032 or	1SR139-100 or
Q603,Q604	22241383R2	NJM4565M-D		22380035	GP104003E
Q801,Q805,Q809	22241443R2	TK15420M, IC	D902	22380293	EG01Z
Q816,Q817	22241465R2	LA7106MFP			
Q901	22241515R2	PQ025EZ5MZP			
Q902	222780085	78M08HFB <MUP>			
Q903	222780055	78M05HF			
Q904	22241637R2	NJM2374A			
	Transistors				
Q103,Q108	2216185R2 or	KTA1504-GR or			
	2214373R2 or	2SA1162-O or			
	2214374R2	2SA1162-Y			
Q405-Q408	2216260R2 or	RN1407 or			
	2216340R2	KRC107S			
Q409,Q410	2214373R2 or	2SA1162-O or			
	2214374R2 or	2SA1162-Y or			
	2216185R2	KTA1504-GR			
Q411,Q412	2216141R2	HN1C03F-B, Transistor			

NOTE:

<MUP> :European arer(Regional restriction code-2)
 <MUT> :Some Asian arer(Regional restriction code-3)
 <MUS> :South American arer(Regional restriction code-4)
 <MUR> :Chinese arer(Regional restriction code-6)

NOTE : THE COMPONENTS IDENTIFIED BY MARK
 △ ARE CRITICAL FOR RISK OF FIRE AND
 ELECTRIC SHOCK. REPLACE ONLY WITH
 PART NUMBER SPECIFIED.

PRINTED CIRCUIT BOARD PARTS LIST-3

CIRCUIT NO.	PART NO.	DESCRIPTION	CIRCUIT NO.	PART NO.	DESCRIPTION
	Coils			Jacks	
L302,L303,L304	230958R1	BK1608LM182-T, EMI filter	P301	25045589	NPJ-2PDB400, RI
L477,L478,L479	230958R1	BK1608LM182-T, EMI filter	P302	25045548	NPJ-1PDOR369, Coaxial
L901	231253K471	NCH-1510, Choke coil	P401	25045594	NPJ-4PDWR405
	Capacitors		P402	25045669	NPJ-6PDBRW467
C105,C109	354721019	CE04W6.3V-100uF, Elect.	P801	25045659	NPJ-10PDBY458, S video
C306,C309,C410	354721019	CE04W6.3V-100uF, Elect.	P802	25045622	NPJ-3PDGLR429, Component video
C412,C512,C612	354722219	CE04W6.3V-220uF, Elect.		Sockets	
C414,C416	354780109	CE04W50V-1uF, Elect.	CN302,CN601	25052612	NSCT-40P2509
C427,C428	354721019	CE04W6.3V-100uF, Elect.	P250A	25052216 or	NSCT-20P2113 or
C429,C430	374721014	ECQ-B50V-101J, Plastic		25051827 or	NSCT-20P1614 or
C431,C432	374722224	ECQ-B50V-222J, Plastic		25052029	NSCT-20P1816 <MUP>
C435,C436	354721019	CE04W6.3V-100uF, Elect.	P303A	200BB190415UL	NSAS-4P0816, Socket AS
C437,C438	354782209	CE04W50V-22uF, Elect.	P351	25052344	NSCT-7P2241
C510,C527,C528	354721019	CE04W6.3V-100uF, Elect.	P701	25052322	NSCT-22P2219
C514,C516	354780109	CE04W50V-1uF, Elect.	P901	2002A392815	NSAS-28P0742, Socket AS
C529,C530	374722224	ECQ-B50V-222J, Plastic		Radiator	
C531,C532	374724724	ECQ-B50V-472J, Plastic	Q903a	27160145	RAD-51
C535,C536	354721019	CE04W6.3V-100uF, Elect.		Screw	
C537,C538	354782209	CE04W50V-22uF, Elect.	Q903b	838430107	3TTB+10S(BC)
C610,C627,C628	354721019	CE04W6.3V-100uF, Elect.			
C614,C616	354780109	CE04W50V-1uF, Elect.			
C629,C630	374722224	ECQ-B50V-222J, Plastic			
C631,C632	374724724	ECQ-B50V-472J, Plastic			
C635,C636	354721019	CE04W6.3V-100uF, Elect.			
C637,C638	354782209	CE04W50V-22uF, Elect.			
C814,C815	354721019	CE04W6.3V-100uF, Elect.			
C818,C819,C915	354721019	CE04W6.3V-100uF, Elect.			
C905,C907	354741019	CE04W16V-100uF, Elect.			
C906	354741019	CE04W16V-100uF, Elect. <MUP>			
C908,C910,C923	354742219	CE04W16V-220uF, Elect.			
C912	354741029S	CE04W16V-1000uF, Elect.			
C913	354744719	CE04W16V-470uF, Elect.			
C917,C919,C921	354722219	CE04W6.3V-220uF, Elect.			
	Resistors				
R903	453534794	RNU1/2WCJ-R47			
R910	453530824	RNU1/2WCJ-8R2			

U10 PHONES JACK PC BOARD(NAETC-7225-1B/1C)

		IC
Q471	22240581R2 or	NJM4565M or
	22241383R2	NJM4565M-D
		Coils
L471-L476	230958R1	BK1608LM182-T, EMI filter
		Capacitors
C471,C472	354744709	CE04W16V-47uF, Elect.
		Resistor
R473	5112463	N09RGL20KB20M, Phones level
		Jack
P472	25045255	YKB26-5009, Phones
		Socket
P471A	2009990698UL	NSAS-12P0973, Socket AS

NOTE:

<MUP> :European arer(Regional restriction code-2)

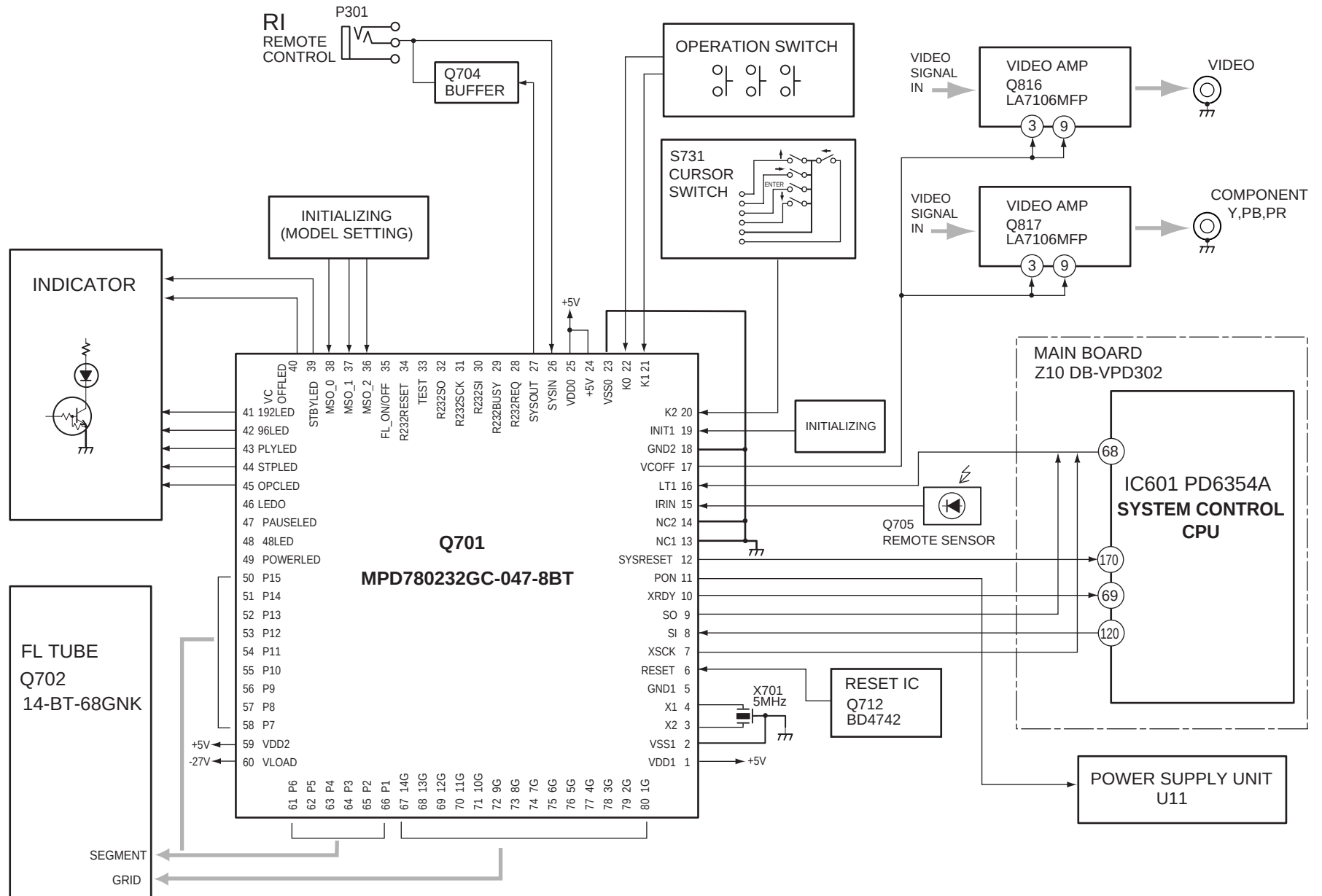
<MUT> :Some Asian arer(Regional restriction code-3)

<MUS> :South American arer(Regional restriction code-4)

<MUR> :Chinese arer(Regional restriction code-6)

NOTE : THE COMPONENTS IDENTIFIED BY MARK  ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE ONLY WITH PART NUMBER SPECIFIED.

MICROPROCESSOR CONNECTION DIAGRAM



MICROPROCESSOR TERMINAL DESCRIPTION

Q701: MPD78022GC-047-8BT

PIN NO.	FUNCTION	I/O	DESCRIPTION	PIN NO.	FUNCTION	I/O	DESCRIPTION
1	Vdd1	—	Power supply, +5V	41	SMP192LED	O	Output pin of sampling rate 192 LED. control.
2	Vss1	—	Ground pin	42	SMP96LED	O	Output pin of sampling rate 96 LED control.
3	X2	—	Main clock input pin (5MHz)	43	PLYLED	O	Output pin of Play LED control.
4	X1	—	Main clock input pin (5MHz)	44	STPLED	O	Output pin of Stop LED control.
5	GND	—	Ground pin	45	OPCLLED	O	Output pin of Open/ close LED control.
6	RESET	—	Reset pin of microprocessor	46	—	—	Not used
7	$\overline{\text{XSCK}}$	O	Output pin of the clock for the communication with the system microcomputer, and the writing the data to flash ROM	47	—	—	Not used
8	SI	I	Input pin of the data for the communication with the system microcomputer, and the writing the data to flash ROM	48	—	—	Not used
9	SO	O	Output pin of the data for the communication with the system microcomputer, and the writing the data to flash ROM	49	—	—	Not used
10	$\overline{\text{XRDY}}$	O	Output pin of the XRDY signal for the communication with the system microcomputer.	50	P15	O	Output pin for FL segment (P15) control.
11	PON	O	Output pin of Power ON control signal for system microcomputer.	51	P14	O	Output pin for FL segment (P14) control.
12	$\overline{\text{SYSRESET}}$	O	Output pin of reset signal for system microcomputer.	52	P13	O	Output pin for FL segment (P13) control.
13	—	I	Not used	53	P12	O	Output pin for FL segment (P12) control.
14	—	I	Not used	54	P11	O	Output pin for FL segment (P11) control.
15	$\overline{\text{IRIN}}$	I	Input pin of remote control signal from remote sensor.	55	P10	O	Output pin for FL segment (P10) control.
16	LT1	I	Input pin of LT data for communication with the system microcomputer.	56	P9	O	Output pin for FL segment (P9) control.
17	VCOFF	O	Output pin of video circuit control signal.	57	P8	O	Output pin for FL segment (P8) control.
18	GND	—	Ground pin for D/A converter.	58	P7	O	Output pin for FL segment (P7) control.
19	INIT1	I	Input pin for initializing set. (Analog signal)	59	Vdd2	—	Power supply pin (+5V)
20	K2	I	Input pin for the key operation of the unit.	60	Vload	—	FIP control pin to connect pull down resistor
21	K1	I	Input pin for the key operation of the unit.	61	P6	O	Output pin for FL segment (P6) control.
22	K0	I	Input pin for the key operation of the unit.	62	P5	O	Output pin for FL segment (P5) control.
23	Vss0	—	Ground pin	63	P4	O	Output pin for FL segment (P4) control.
24	+5V	—	Power supply pin of D/A converter, +5V	64	P3	O	Output pin for FL segment (P3) control.
25	Vdd0	—	Power supply, +5V	65	P2	O	Output pin for FL segment (P2) control.
26	$\overline{\text{SYSIN}}$	I	Input pin of system control signal (RI).	66	P1	O	Output pin for FL segment (P1) control.
27	$\overline{\text{SYSOUT}}$	O	Output pin of system control signal (RI).	67	14G	O	Output pin for FL grid (G14) control.
28	R232REQ	I	Input pin of REQ signal from microprocessor for RS-232C driver.	68	13G	O	Output pin for FL grid (G13) control.
29	R232BUSY	I	Input pin of BUSY signal from microprocessor for RS-232C driver	69	12G	O	Output pin for FL grid (G12) control.
30	R232SI	I	Input pin of SI signal from microprocessor for RS-232C driver	70	11G	O	Output pin for FL grid (G11) control.
31	R232SCK	O	Input pin of SCK signal from microprocessor for RS-232C driver	71	10G	O	Output pin for FL grid (G10) control.
32	R232SO	O	Input pin of SO signal from microprocessor for RS-232C driver	72	9G	O	Output pin for FL grid (G9) control.
33	TEST	I	Input pin for test mode.	73	8G	O	Output pin for FL grid (G8) control.
34	R232RESET	O	Output pin of reset signal to microprocessor of RS-232C driver	74	7G	O	Output pin for FL grid (G7) control.
35	FLON_OFF	O	Output pin of FL filament on/off control.	75	6G	O	Output pin for FL grid (G6) control.
36	MS0_2	I	Input pin-2 for initializing. (for model select)	76	5G	O	Output pin for FL grid (G5) control.
37	MS0_1	I	Input pin-1 for initializing set. (for model select)	77	4G	O	Output pin for FL grid (G4) control.
38	MS0_0	I	Input pin-0 for initializing set. (for model select)	78	3G	O	Output pin for FL grid (G3) control.
39	STBYLED	O	Output pin of standby LED control .	79	2G	O	Output pin for FL grid (G2) control.
40	VCOFFLED	O	Output pin of video circuit off LED control.	80	1G	O	Output pin for FL grid (G1) control.

DISASSEMBLING PROCEDURES-1

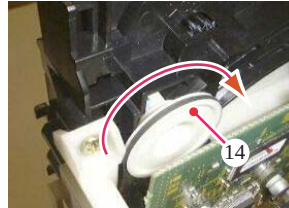
1. Optical pick-up are parts which are easy to receive damage with static electricity.
Therefore, in case reassembly mechanism, take the measures against static electricity.
2. The number of () in the explanatory note and ○ in the figure shows Ref. No. of the exploded view.

How to remove the DVD mechanism from chassis

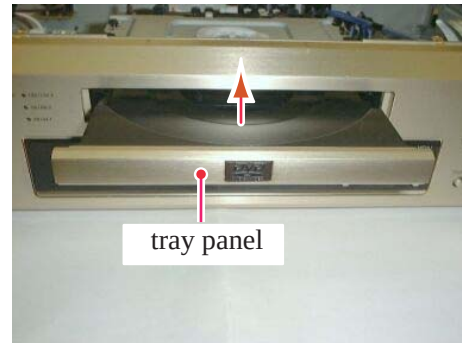
- 1 Remove the top cover
- 2 Begin to pull the tray by rotating the gear pulley (14) clockwise.



bottom view



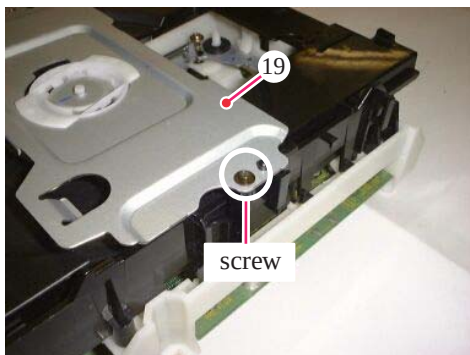
- 3 Remove the tray panel.



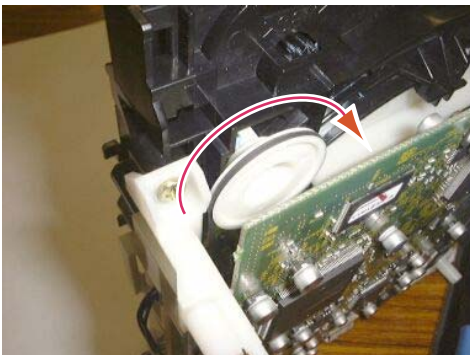
- 4 Remove the four screws which is fixing the dvd mechanism to the chassis, and remove the mechanism from chassis.

How to disassembling the DVD mechanism

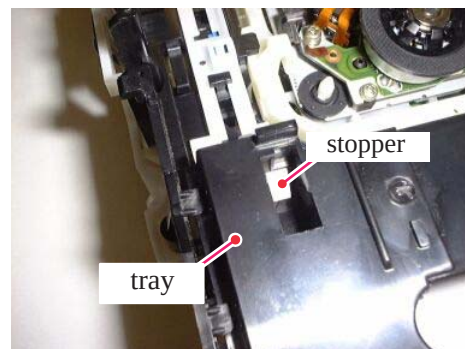
- 1 Remove the screw and remove the bridge (19).



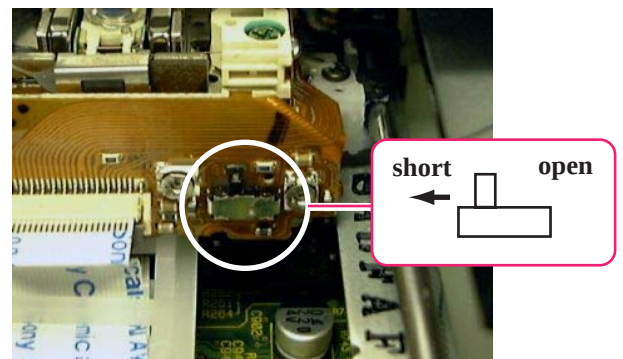
- 2 Begin to pull the tray by rotating the gear pulley (14) clockwise.



- 3 Remove the tray by pressing down the stopper SW lever (17).



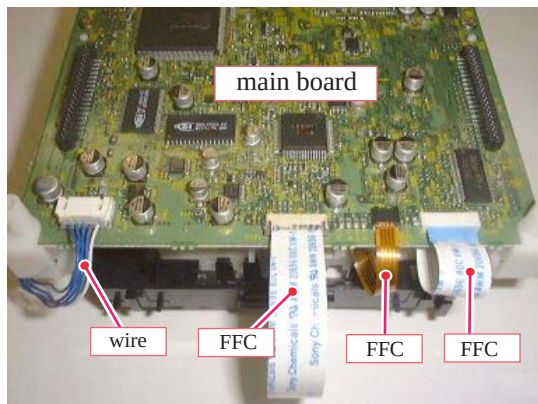
- 4 Set the pick short switch to short side.
[NOTE]
Do not disconnect the FFC and wire before doing this work.



DISASSEMBLING PROCEDURES-2

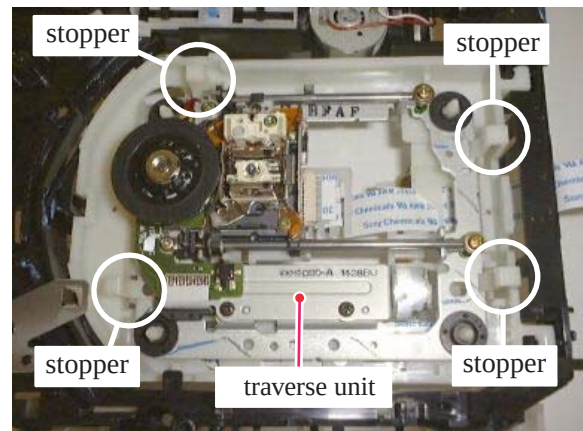
How to disassembling the DVD mechanism

- 5** Disconnect the three FFCs and the wire from the main board.



- 6** Remove the two screws which is fixing the main board to the mechanism, and remove the main board.

- 7** Remove the traverse unit by pressing down the four stoppers.



How to reassembling the DVD mechanism

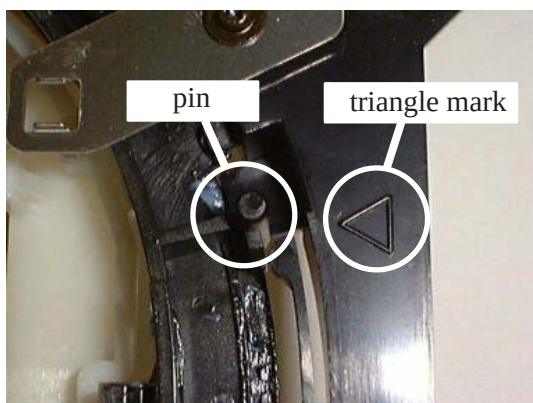
1. To reassemble each mechanism, reverse the applicable "disassemble procedures".

7 → **6** → ... → **1**

Notes in each process

1. Attachment of tray.

Insert it after matching the triangle mark of the loading base and the position of pin on the drive cam

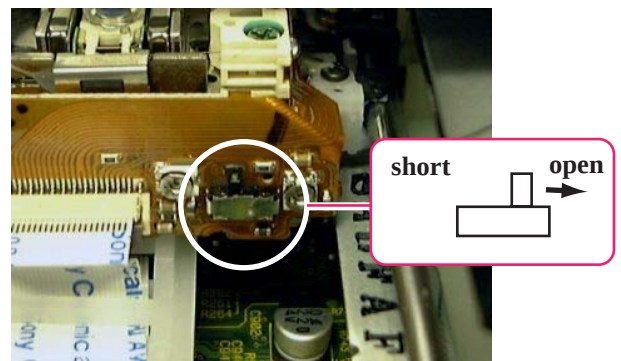


2. Set the pickup short switch.

Set the pick short switch to open side.

[NOTE]

Do not set the switch to open side before doing connect the FFC and wire to main board.



Replacement of DVD main board

After replacement of the DVD main board (DB-VPB302) should do the following work.

3. Set the ID number

The necessity of inputting ID data into the unit.

Refer to "Setting the ID number and ID data" of "UPGRADE FIRMWARE" about the method of input ID data.

2. Set the region code

It is unnecessary.

Unit is power on, the region code will be set up automatically.

1. Setup of the firmware

Firmware already exists in the main board.

Be sure to check the version of the firmware.

Refer to "UPGRADE FIRMWARE"

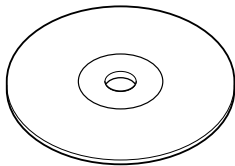
UPGRADE FIRMWARE-1

Prepares for upgrade firmware

ID DATA DISC (DB-VPB302)

Part No. 0R117

It is used for the input of ID data.

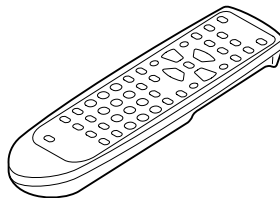


REMOTE CONTROLLER for UPGRADE

Part No. 24140451S

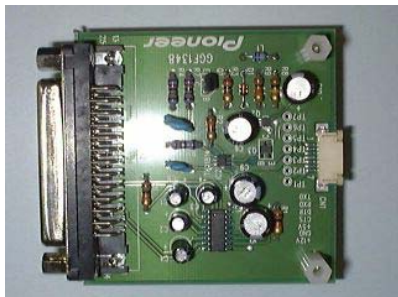
It is remote control of the exclusive use for inputting ID data.

Can not the input of ID data by remote controller attached to the unit.

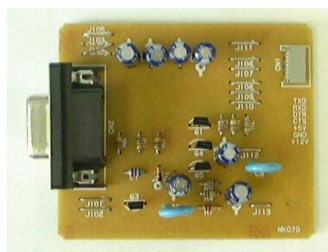


INTERFACE JIG

Part No. GGF1348

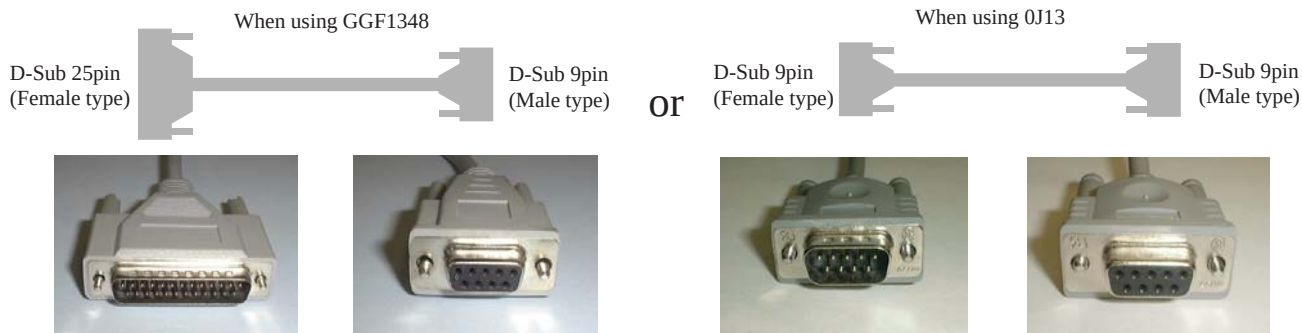


Part No. 0J13



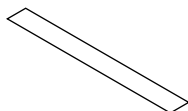
OR

RS-232C Cable (Straight type Cable)



Flexible flat cable

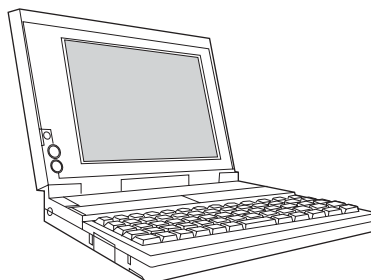
Part No.:GGD1231 or 0F001



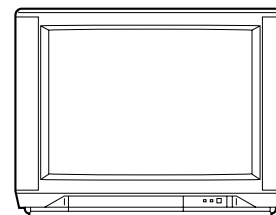
Video cable



PC (Personal computer)

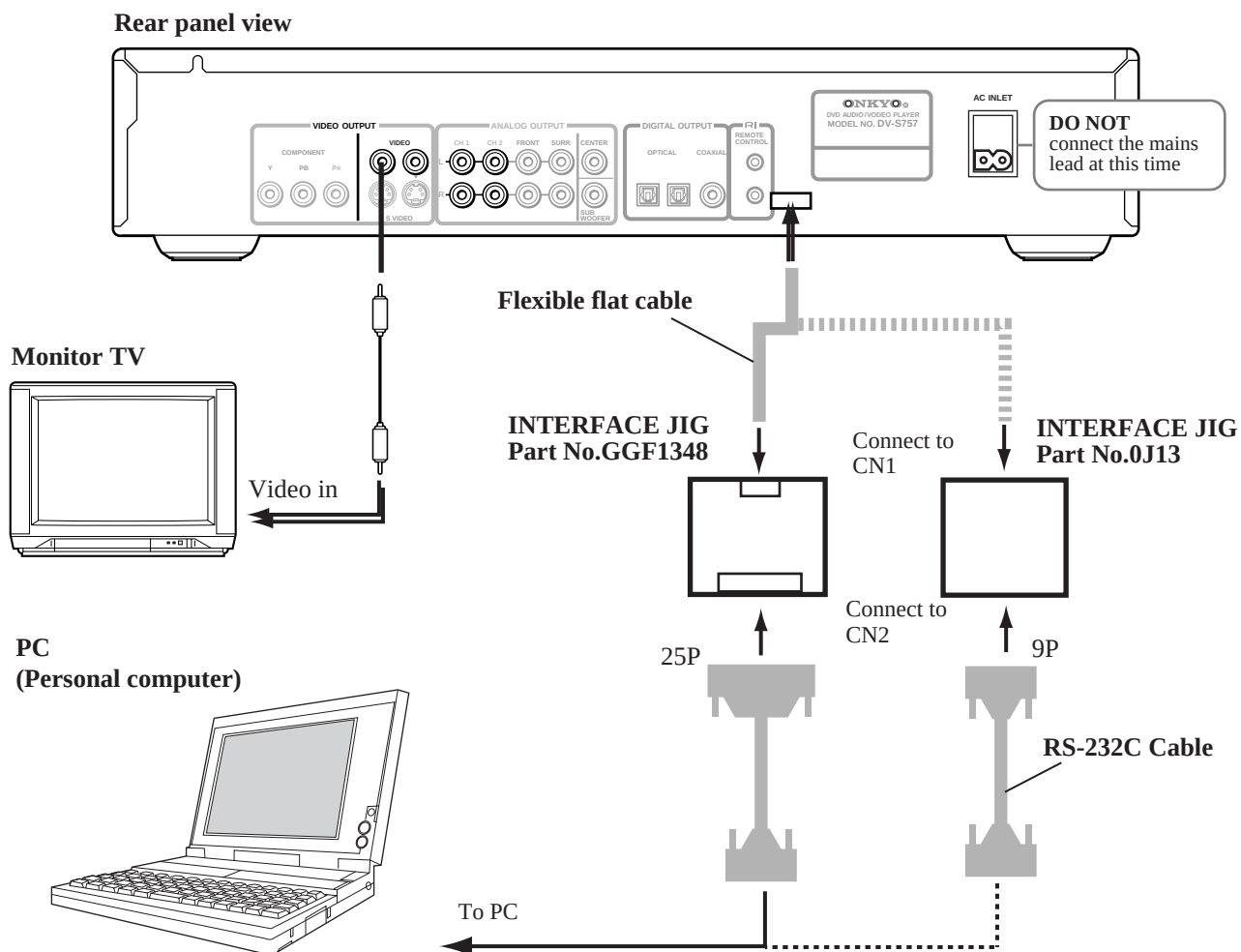


Monitor TV



UPGRADE FIRMWARE-2

Connections



Prepare the file required for rewriting of the firmware.

Build the folder to C drive of the hard disk of PC, and put in the file required for the folder.

The required file

NOTE: This is one example.

1. ok_down.exe

Rewriting tools

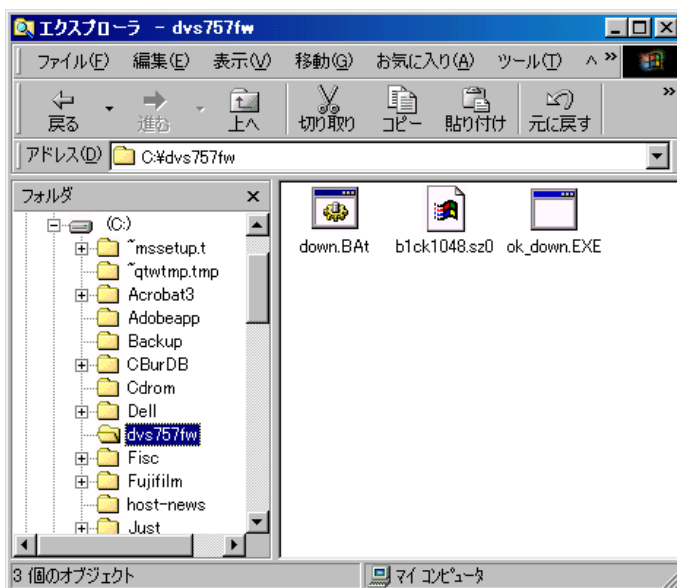
2. down.bat

Rewriting tools

3. b1ck1048.sz0

Firmware program

The file name changes with versions of the firmware.



UPGRADE FIRMWARE-3

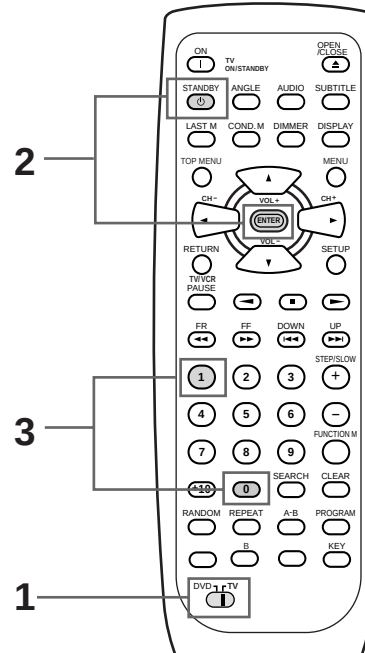
Pre programming the remote controller

Before using remote control for upgrade firmware, it is necessary to carry out the following operation.

1. Set the DVD/TV switch to TV

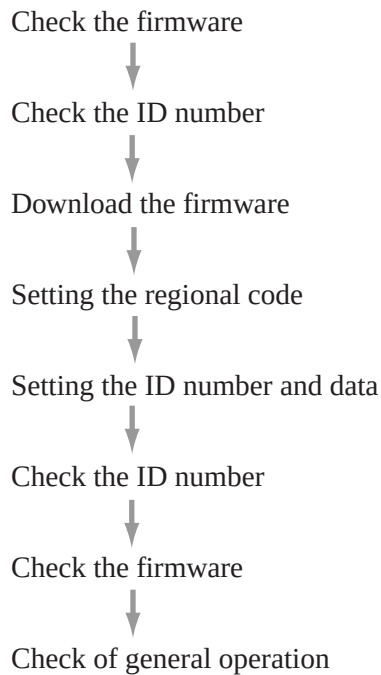


2. While holding down the **STANDBY** button on the Remote controller that you want to program, press the **ENTER** button, and then release both button.
3. 1 key is pushed, it continues within 20 seconds, and 0 key is pushed after that.
4. The complete of the setting of remote control.

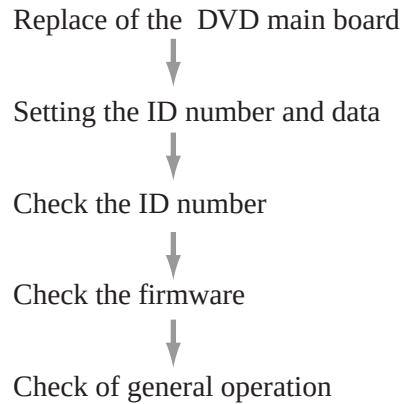


The order of work

In the case of upgrade firmware



In the case of replace of the DVD main board



UPGRADE FIRMWARE-4

Check the firmware

1. Press the **SETUP** key
2. Operate the **CURSOR** switch to make up the **Setup menu mode** are selected on monitor TV.
3. Press the **DISPLAY** button
The region and FW version information will appear on the monitor TV.



About ID number and ID data input

It is necessary to set up an individual number (ID number and ID data) for every player in the DVD audio correspondence player.
The guarantee of operation becomes impossible if this ID number and ID data are not set up correctly.

It is the following case that the input of ID number is required.

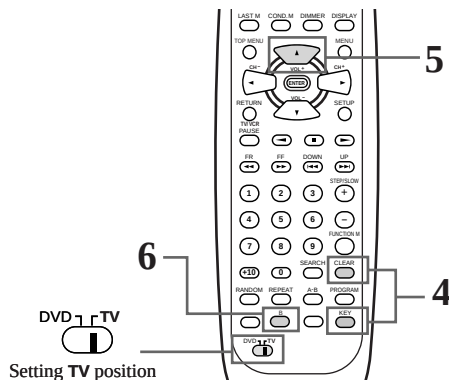
1. After download of the data to the flash ROM of the unit.
2. When displayed on FL display as "No ID Number "after turning ON the power supply of the unit.
3. When displayed on FL display as "No ID DATA".

Check ID number.

The input of ID number is needed by the work of rewriting of a farm.

Make a note by checking ID number of a set with the following procedure first.

1. Check the connecting the unit to PC and monitor TV.
2. **Switch ON** the power of unit.
3. Check that the disk is not contained in the unit.
4. Press and hold down **CLEAR** button, then press the **KEY** button of remote controller.
5. Press the **VOL+** button.



TV Monitor

[Player's ID Number Setting]
ID Number
[000000001]
compare
> *****
<CLEAR> Exit
Input ID Number !

FL Display

000000001

Set-up ID number is displayed.
It is displayed also on FL display.
This ID number is recorded in the memorandum.

6. Press the **B** button, and check mode is ended.

UPGRADE FIRMWARE-5

Download procedures

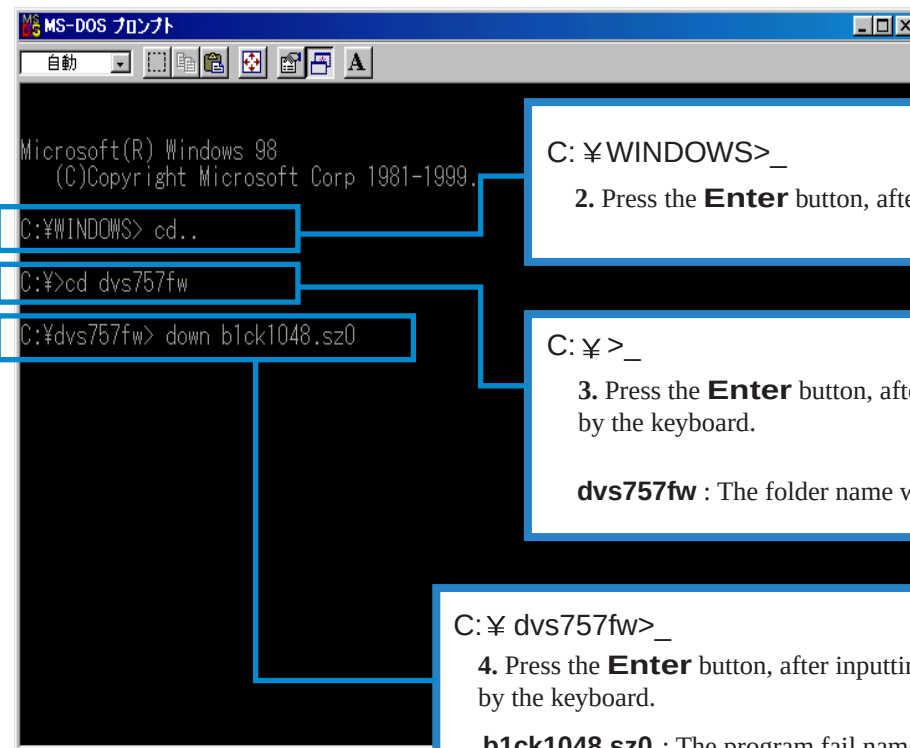
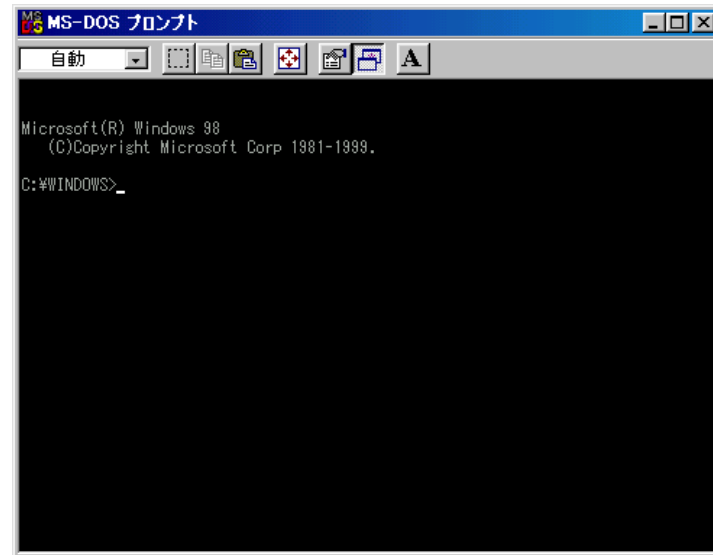
[NOTES]

This procedure document supposing using Japanese PC.

The program file name, the folder name, etc. are examples.

1. Start MS-DOS prompt using the start-up menu of PC.

Windows of MS DOS prompt



C: ¥WINDOWS>_

2. Press the **Enter** button, after inputting **cd..** by the keyboard.

C: ¥>_

3. Press the **Enter** button, after inputting **cd** **dvs757fw** by the keyboard.

Space

dvs757fw : The folder name which saves the program file

C: ¥ dvs757fw>_

4. Press the **Enter** button, after inputting **down** **b1ck1048.sz0** by the keyboard.

Space

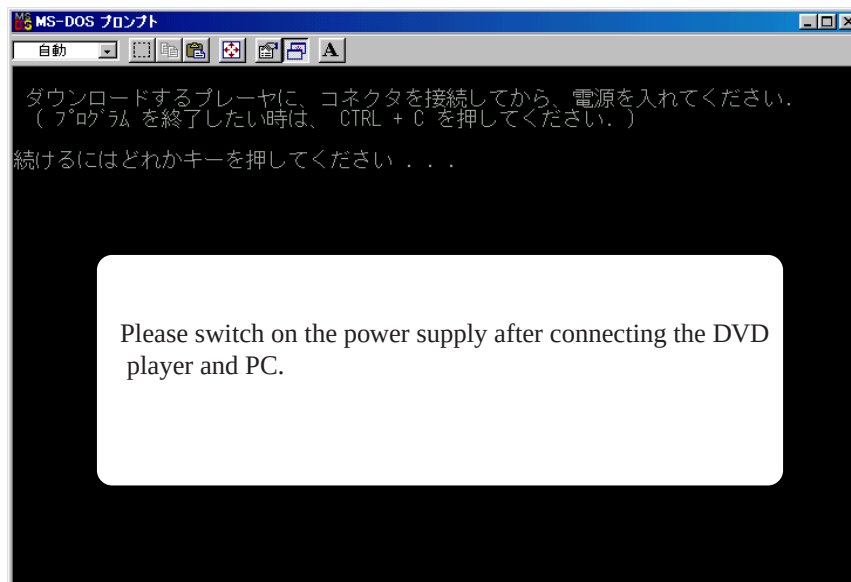
Zero

b1ck1048.sz0 : The program fail name

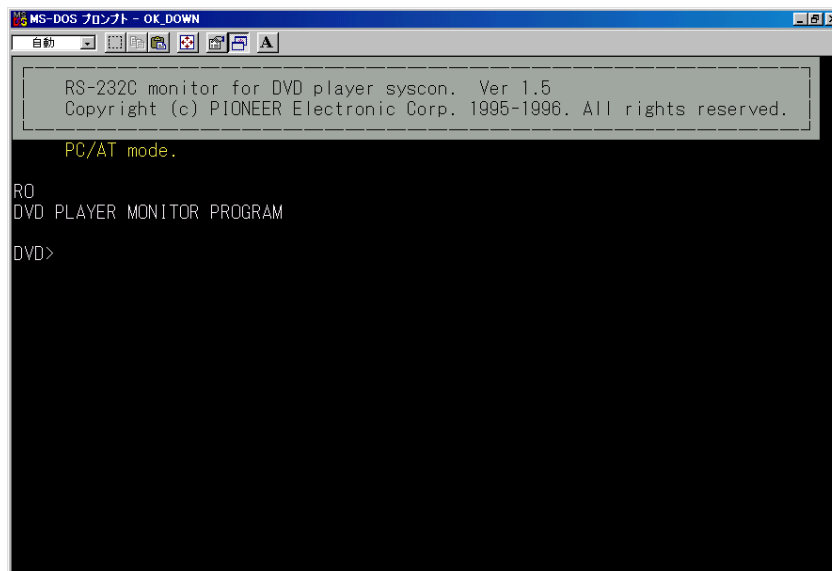
The file name changes with versions of FW.

UPGRADE FIRMWARE-6

Download procedures



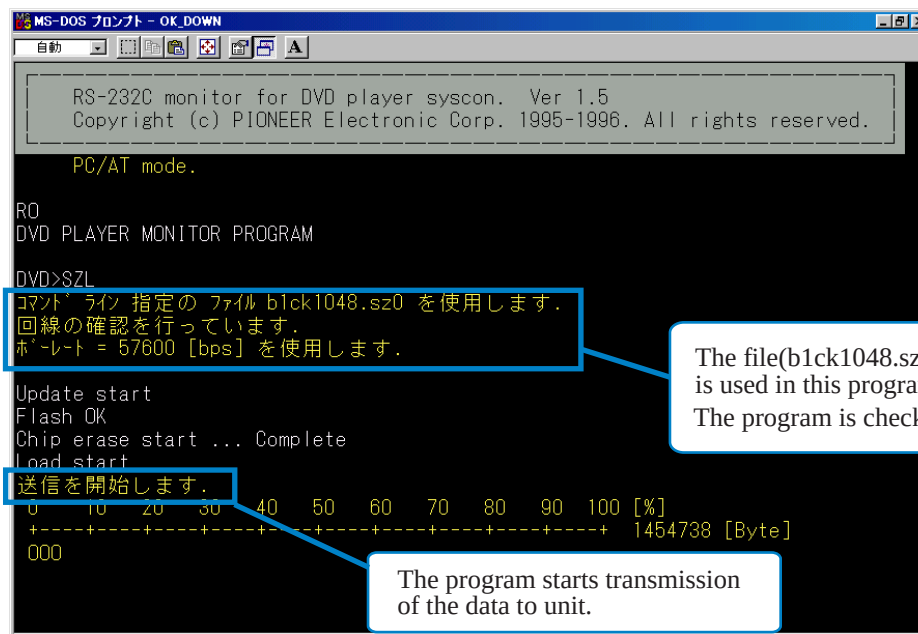
4. Check that the PC and TV monitor are correctly connected with unit.
5. Check that the disk is not contained in the disc.
6. Turn ON the power supply switch of the unit.
7. Press the **Enter** key of PC.
8. Press the **Enter** button, after inputting **MO** by the keyboard of PC.



UPGRADE FIRMWARE-7

Download procedures

9. Press the **Enter** button, after inputting **SZL** by the keyboard of PC.



```

MS-DOS プロンプト - OK_DOWN
自動
RS-232C monitor for DVD player syscon. Ver 1.5
Copyright (c) PIONEER Electronic Corp. 1995-1996. All rights reserved.

PC/AT mode.

RO
DVD PLAYER MONITOR PROGRAM

DVD>SZL
コマンドライン指定のファイル b1ck1048.sz0 を使用します。
回線の確認を行っています。
ボーレート = 57600 [bps] を使用します。

Update start
Flash OK
Chip erase start ... Complete
Load start
送信を開始します。
0 10 20 30 40 50 60 70 80 90 100 [%]
+-----+-----+-----+-----+-----+-----+-----+-----+ 1454738 [Byte]
000
  
```

FL Display

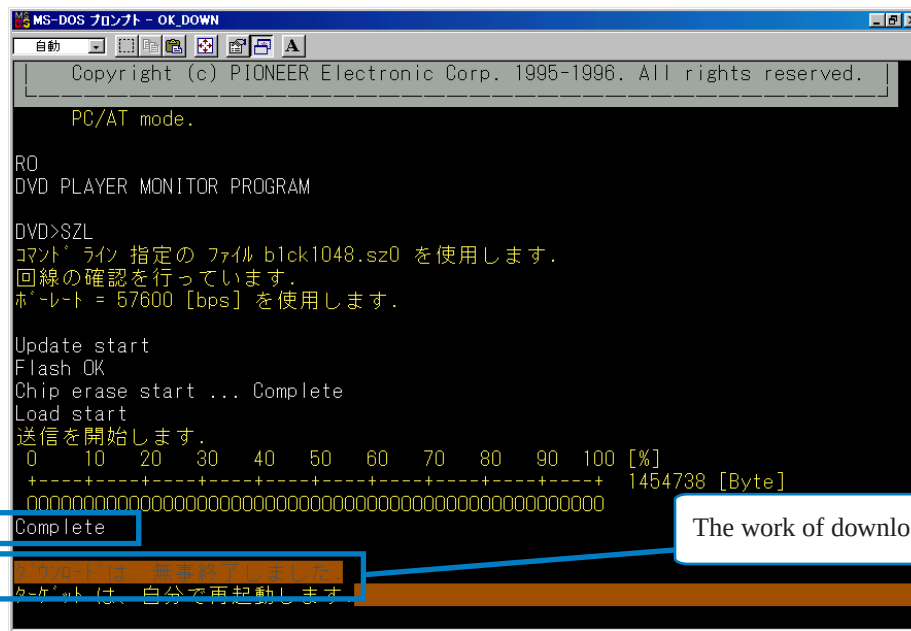
ROM ERASE



LOADING

Waiting for from 5 to 10 minutes.

The state which download completed



```

MS-DOS プロンプト - OK_DOWN
自動
Copyright (c) PIONEER Electronic Corp. 1995-1996. All rights reserved.

PC/AT mode.

RO
DVD PLAYER MONITOR PROGRAM

DVD>SZL
コマンドライン指定のファイル b1ck1048.sz0 を使用します。
回線の確認を行っています。
ボーレート = 57600 [bps] を使用します。

Update start
Flash OK
Chip erase start ... Complete
Load start
送信を開始します。
0 10 20 30 40 50 60 70 80 90 100 [%]
+-----+-----+-----+-----+-----+-----+-----+-----+ 1454738 [Byte]
oooooooooooooooooooooooooooooooooooooooooooooooooooooooooooooooooooo

Complete
ダウンロードは、満足が得られました。
ターゲットは、自分で再起動します。
  
```

FL Display

NO ID MUM!

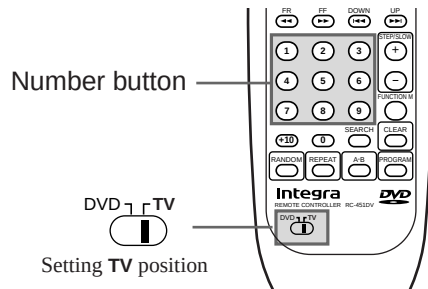
The work of download was completed satisfactory.

UPGRADE FIRMWARE-8

Setting the regional code

The windows which sets up a region code depending on the destination comes out.

Input the region code using remote controller.



TV Monitor

[player's Region setting]

<1> : Region 1

<2> : Region 2

<3> : Region 3

<4> : Region 4

<5> : Region 5

<6> : Region 6

Pick out any one of these!

FL display

REGION INI

Destination	Operation button name	Region code
MDD1N	*	1
MJJ2N	*	2
MUP2P	2	2
MUT3P	3	3
MUT4P	4	4
MUR6R	6	6

* : About the MDD1N and MJJ2N model, region code are set up automatically.

Setting the ID number and ID data

TV Monitor

No ID Number !!!

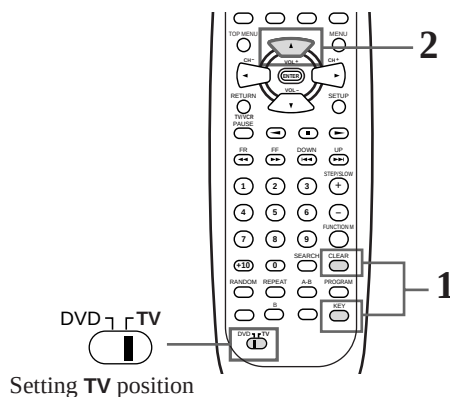
FL display

NO ID NUM!

The program is demanding the input of ID number.

Into the input mode of ID number.

1. Press and hold down the **CLEAR** button, then press the **KEY** button
2. Press the **VOL+** button.



TV Monitor

[Player's ID Number Setting]

ID Number?

> - - - - -

<CLEAR> Exit

Input ID Number!

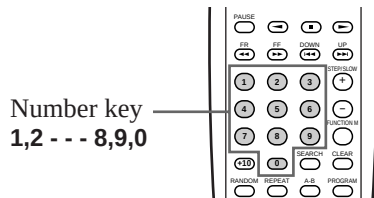
If input mode requires a unit, the input of the number will be attained. Please input nine-digit ID number in this state.

ID number is written to the yellow label also display on the rear panel .

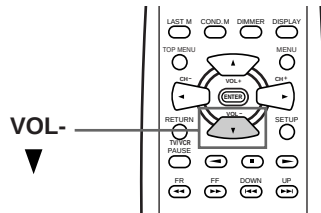
UPGRADE FIRMWARE-9

Setting the ID number.

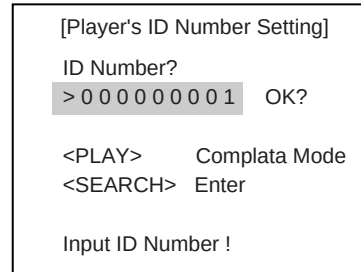
1. Input the ID number recorded before using the number button. (Refer to "Check ID number")



2. Press the **VOL -** button.



TV Monitor



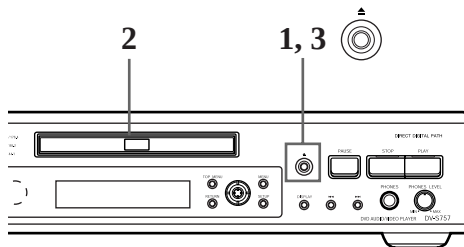
FL display

IN ID DATA

If ID number is set up, it will be in ID data input state from CDR.

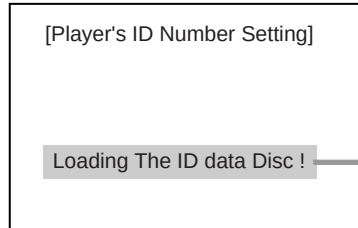
ID data setting

1. Press the **open/close** button of set and the tray is pulled out.
2. Load the ID data disc.
3. Press the **open/close** button and tray is closed.



The read-in work of ID data from CDR starts automatically.

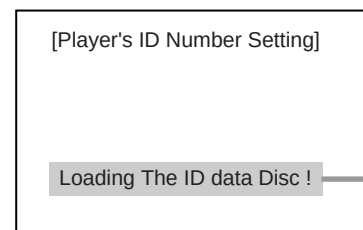
TV Monitor



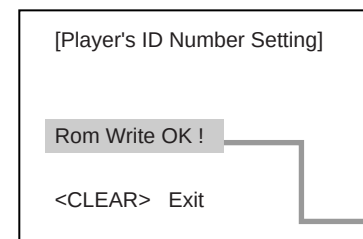
FL display

RD ID DATA

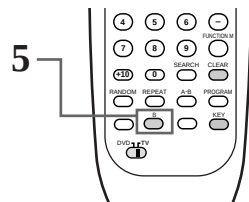
It becomes such a display during reading of data from CDR.



If reading completes ID data from CDR, next, the writing of ID data to the flash ROM of a set will start.

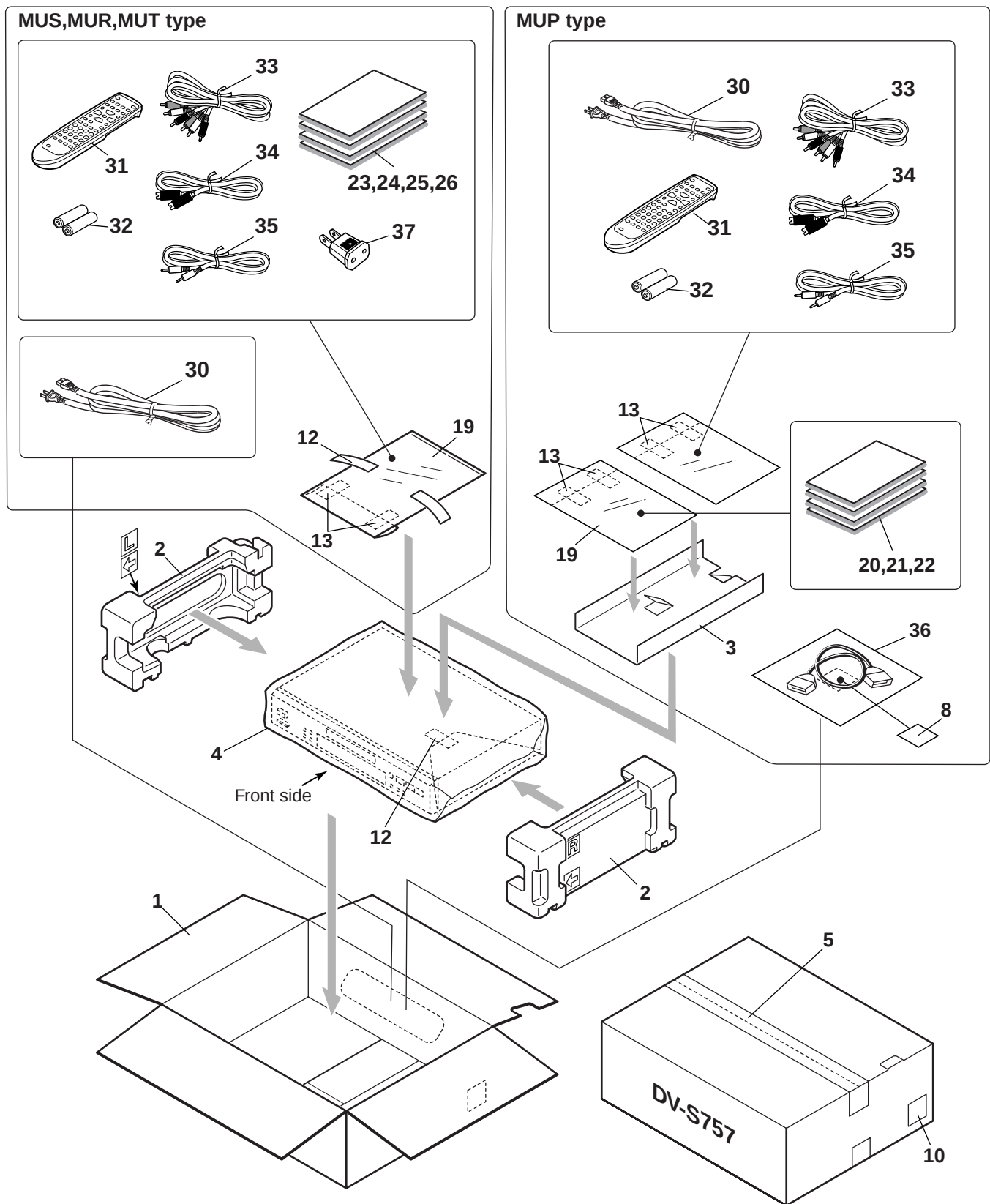


If the writing of ID data to a flash ROM is completed, it will be displayed as "Rom Write OK! "



4. Check being displayed as "Rom Write OK"
5. Press the **B** button of remote controller and setting mode is ended.
6. Put out the disc.
7. Check the ID number.
8. Check the Firmware.

PACKING PROCEDURES



PACKING PARTS LIST

REF.NO.	PART NO.	DESCRIPTION
1	29053776	Carton box B(MUP2P) <MUP>
	29053777	Carton box B(MUS4P) <S><MUP>
	29053778	Carton box S(MUP2P) <S><MUP>
	29053779	Carton box G(MUT3P) <G><MUT>
	29053780	Carton box G(MUS4P) <G><MUS>
	29053781	Carton box G(MUR6P) <G><MUR>
2	29091986	Pad AS
3	29092034	Pad, TOP <MUP>
4	29100037-1A	Poly bag (650 x 500)
5	29110071 or	Tape, SOP-400(CLEAR50MT) or
	29110098	Tape, W50 3M NO 371
8	29361573	Label(PE-LD) <MUP>
10	29362904	EAN label B(AS)
	29362905	EAN label S(AS) <S>
	29362906	EAN label G(AS) <G>
12	29110149	Tape (SEROHAN) NO.29
13	261504	Tape
19	29100097-1A	Poly bag (230 x 250)
20	29343128	Instruction manual, E(DVS757MUP) <MUP>
21	29343129	Instruction manual, U3FSI(DVS757MUP) <MUP>
22	29343130	Instruction manual, U3DGSw(DVS757MUP) <MUP>
23	29343131	Instruction manual, CS(DVS757MUP) <MUR>
24	29343132	Instruction manual, CT(DVS757MUT) <MUT,MUR>
25	29343143	Instruction manual, E(DVS757MUT) <MUS,MUT,MUR>
26	29343133	Instruction manual, U2FS(DVS757MUS) <MUS>
30	253299HIT 	AS-CEE <MUP,MUT,MUS>
	253309HIT 	AS-CCEE <MUR>
31	24140450	RC-450DV, Remote controller
32	3010054	Battery, UM-3
33	2010379	RCA3P(YWR), PIN Cord AS
34	2010380	S Video cord
35	2010200	3.5-MINI PLUG (RI)
36	2010360 or	TPX3000 or
	2010368	YAF11-0697, RGB cable <MUP>
37	25055911	CV-K-2 <MUS,MUT,MUR>

NOTE: THE COMPONENTS IDENTIFIED BY MARK  ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE ONLY WITH PART NUMBER SPECIFIED.

[NOTES]

<MUP> :European arer(Regional restriction code-2)

<MUT> :Some Asian arer(Regional restriction code-3)

<MUS> :South American arer(Regional restriction code-4)

<MUR> :Chinese arer(Regional restriction code-6)

 :Black color model only

<G> :Golden color model only

<S> :Silver color model only

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