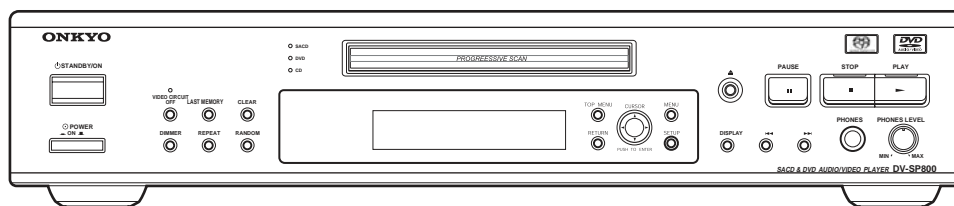


ONKYO SERVICE MANUAL

SACD & DVD AUDIO/VIDEO PLAYER MODEL DV-SP800




RC-498DV

Black, Silver and Golden models

BMDD	120V AC, 60Hz
BMPP/SMPP	230-240V AC, 50Hz
BMWT/GMWT	120/220-230V AC,
BMWR/GMWR	50/60Hz
BMWS/GMWS	
BMPS/GMPS	230-240V AC, 50/60Hz

SAFETY-RELATED COMPONENT WARNING!!

THE MARK  FOUND ON SOME COMPONENT PARTS INDICATES THE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK.

WHEN REPLACING, BE SURE TO USE PARTS OF IDENTICAL DESIGNATION.

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

General

Power supply	USA & Canadian models	AC 120 V, 60 Hz
	European models	AC 230 - 240 V, 50 Hz
	South American models	AC 230 - 240 V, 50 Hz
	World wide models	AC 120/220 - 230 V switchable, 50/60 Hz
Power consumption	USA & Canadian models	40 W
	European models	38 W
	Other models	36 W
Power consumption in standby mode	USA & Canadian models	8.6 W
	European models	10.8 W
	Other models	8.3 W
Weight	5.0 kg, 11.0 lbs.	
External dimensions	435 x 91 x 314 mm (W/H/D), 17-1/8" x 3-9/16" x 12-3/8"	

DVD Player

Signal system	USA & Canadian models	Standard NTSC
	Other models	PAL/AUTO
Regional restriction code	USA & Canadian areas	1
	European areas	2
	South American areas	4
	World wide areas	4, 3
Laser	Semiconductor laser, wavelength 650/780 nm	
Frequency range (digital audio)	DVD linear sound:	48 kHz sampling 4 Hz to 22 kHz 96 kHz sampling 4 Hz to 44 kHz
	DVD-Audio:	192 kHz sampling 4 Hz to 96 kHz
	Audio CD:	4 Hz to 20 kHz
	SACD:	4 Hz to 96 kHz
Signal-to-noise ratio (digital audio)	More than 118 dB	
Audio dynamic range (digital audio)	More than 100 dB	
Harmonic distortion (digital audio)	Less than 0.001 %	
Wow and flutter	Below measurable level (less than +/-0.001 % (W.PEAK))	
Operating conditions	Temperature: 5°C to 35°C, Operation status: Horizontal	

Outputs

RGB signal output (European models)	0.7 V (p-p), 75 ohm, SCART socket x 1
Video output	1.0 V (p-p), 75 ohm, negative sync., pin jack x 2
S-video output	(Y) 1.0 V (p-p), 75 ohm, negative sync., Mini DIN 4-pin x 2
	(C) 0.286 V (p-p), 75 ohm
Component Signal output	(Y) 1.0 V (p-p), 75 ohm, negative sync., pin jack x 1 (Cb, Pb)/ (Cr, Pr) 0.7 V (p-p), 75 ohm
Audio output (European models)	2.0 V (rms), 440 ohm, SCART socket x 1
Audio output (digital output Optical)	- 22.5 dBm x 2
Audio output (digital output Coaxial)	0.5 V (p-p), 75 ohm, pin jack x 1
Audio output (analog audio)	2.0 V (rms), 440 ohm, pin jack (L, R) x 2
Audio output (5.1 channel analog audio)	2.0 V (rms), 440 ohm, pin jack (Lo/Lt, Ro/Rt, SL1, SR1, C, SW) x 1
	1.4 V (rms), 440 ohm, pin jack (SL2, SR2) x 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.

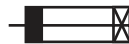
The label on the right is applied on the rear panel except for USA and Canadian models.


**"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 appose.

REF. NO.	PART NO.	DESCRIPTION
F911, F912	252300	 2.5A-ULSE-TL250 <MPP, MWT, MPS, MWR>

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
MAX.LASER POWER:0.5mW
波 長 : 650nm
最大レーザー出力 : 0.5mW

98764160



SERVICE PROCEDURES-2

INITIALIZING

Factory-shipped condition

Push button "ON" (Mechanical SW)

Press the [STOP] and [STANDBY] same time.

(Wait until FL display "No Disc").

Push button "STANDBY".

Others

Phones level volume ----- MIN.

SURR. switch ----- 1

Mechanical power switch -- ON

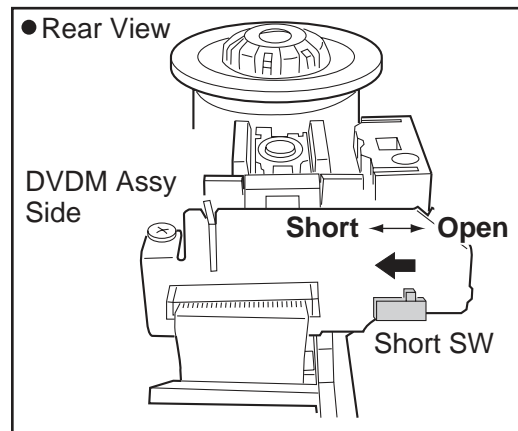
Remove the solder of Laser Diode shorting

1-1 Connect Pickup and DVD main circuit PC board by FFC(3 pcs).

1-2 Fix it with the DVD Mechanism

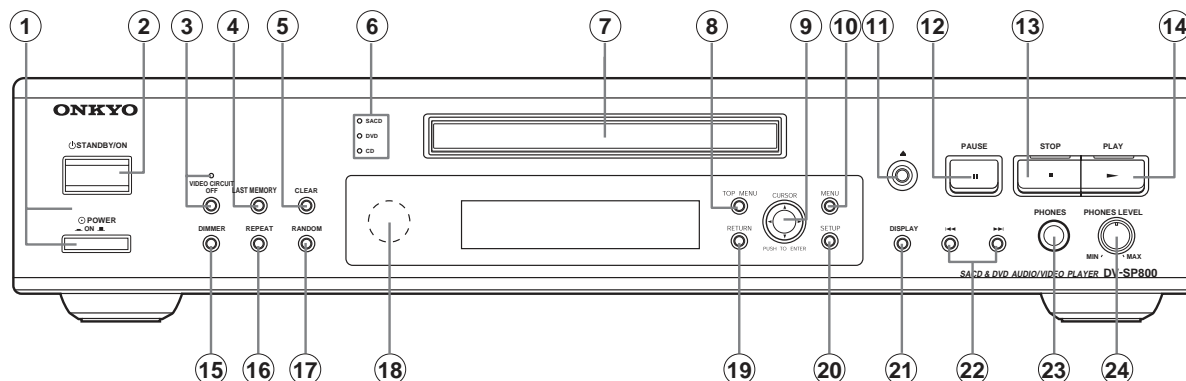
1-3 Remove the solder of Laser Diode shorting on Pickup.

1-4 Connect total unit of DVD Mechanism (DVD Main PCB + Mechanism) to output terminal.



PANEL VIEW-1

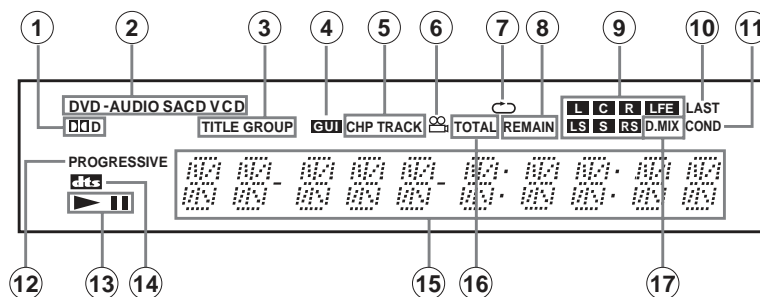
FRONT PANEL



- 1 POWER switch and STANDBY indicator**
Turns on the main power supply for the DV-SP800. The DV-SP800 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-SP800.
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-SP800 turns on and the STANDBY indicator turns off. The indicator around ▲ button lights up. Pressing the button again returns the DV-SP800 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.
- 6 DISC indicator**
When playing a disc, the appropriate disc type indicator lights up.
- 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 II PAUSE button**
Press during playback to pause. Press again to resume playback.
- 13 ■ STOP button**
Press to stop playback. 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 (4 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 DDD indicator

Lights when Dolby Digital sound is selected and played back. (Only with DVDs recorded in Dolby Digital).

② Inserted disc indicator

③ TITLE/GROUP indicator

④ GUI (Graphical User Interface) indicator

Lights when an on-screen menu operation is being performed. On-screen menu helps you set up the player.

⑤ CHP/TRACK indicator

⑥ Angle icon indicator

⑦ REPEAT indicator

⑧ REMAIN indicator

Lights up to indicate the remaining time of titles, chapters and tracks.

⑨ L, C, R, LS, RS and LFE indicator

Indicates the compatible audio channels for DVD playback.

L: Left front channel

C: Center channel

R: Right front channel

LS: Left surround channel

S: Surround channel (monoural)

RS: Right surround channel

LFE: LFE (Low Frequency Effect) channel

⑩ LAST indicator

⑪ COND indicator

⑫ PROGRESSIVE indicator

Lights when progressive video signals are output.

⑬ ►/II indicator

⑭ DTS indicator

Lights when DTS is selected and played back. (Only with DVDs recorded in DTS).

⑮ Multifunctional indicator

(e.g. operating status and error messages)

⑯ TOTAL indicator

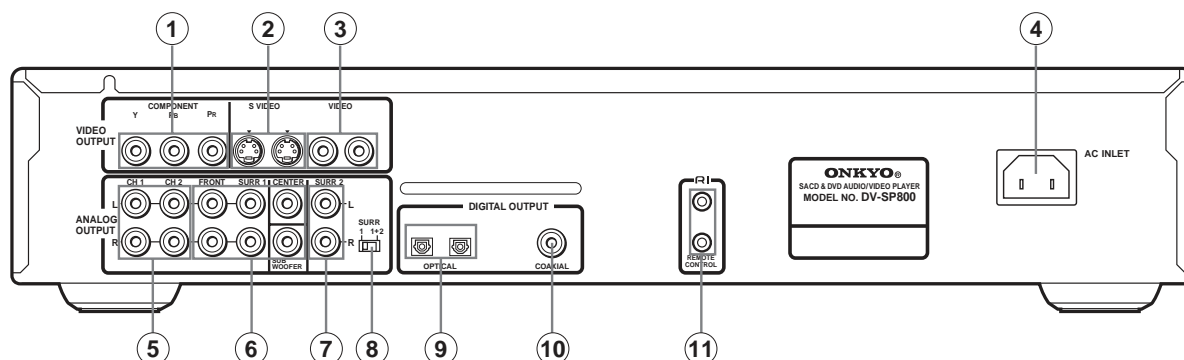
Lights up to indicate the total number of titles, tracks and track playback time.

⑰ D.MIX indicator

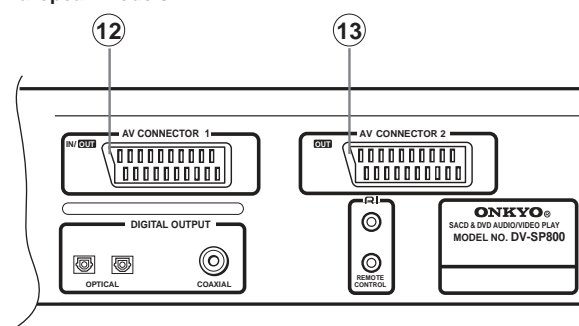
Indicates when DVD audio, Dolby Digital, DTS or MPEG etc. audio is downmixed (channel downmixing) (e.g., when 5.1 channel sound is downmixed to 2 channels).

PANEL VIEW-3

REAR PANEL



European models.



Shapes of jacks vary depending on the area in which it was purchased.

1 VIDEO OUTPUT COMPONENT jacks

If your TV has component inputs, you can connect a component video cable to your TV and to your DVD Player for ideal video quality. The component Video Cable only carries the video signal; remember to connect the left and right audio cables. If you connect a TV that is compatible with a Progressive scan signal, you can enjoy both Interlaced and Progressive scan.

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 AC INLET

Use to connect the power cord to the wall outlet.

5 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.

6 ANALOG OUTPUT FRONT/SURR 1/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.

7 SURR 2 jacks

Use when making connections to 7.1 channel analog inputs. (Make sure the SURR 1/1+2 selector switch is set to 1+2.)

8 SURR 1/1+2 selector switch

When using 2 channel surround, select 1, when using 4 channel surround, select 1+2. Audio will be output 3dB lower when 1+2 is selected. The same audio is output from SURR 1 and from SURR 2.

9 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.

10 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.

11 RI jack

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

(The components will not function as a system with only RI connections. Be sure to connect the audio connection cables correctly as well).

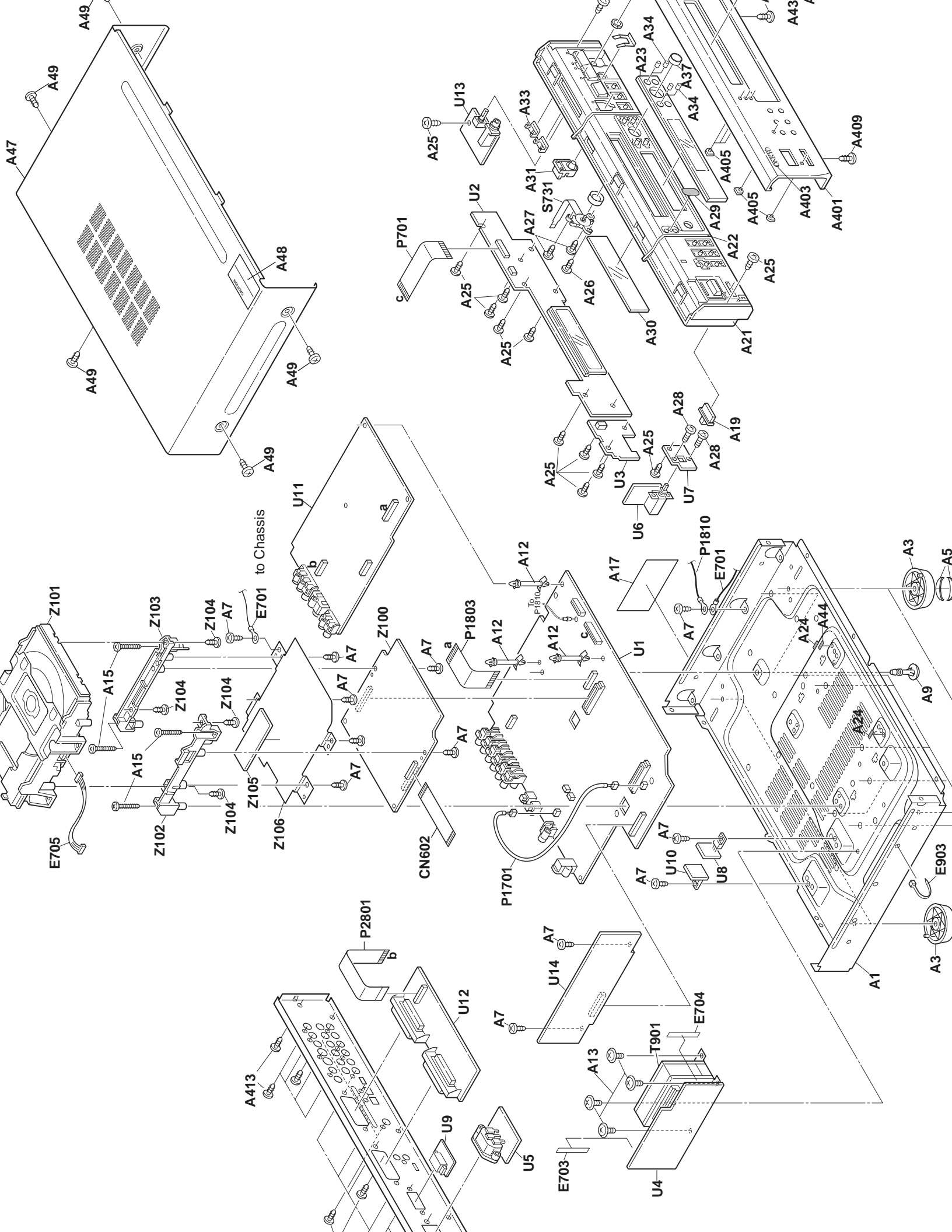
(European models)

12 AV CONNECTOR 1 (IN/OUT) jack

Use a 21-pin SCART cable to connect to a TV, monitor or video component compatible with this type of connection. Outputs both audio and video (composite only) when the unit is powered on. When the unit is in standby mode, this jack becomes an input for audio and video (RGB, S, and composite).

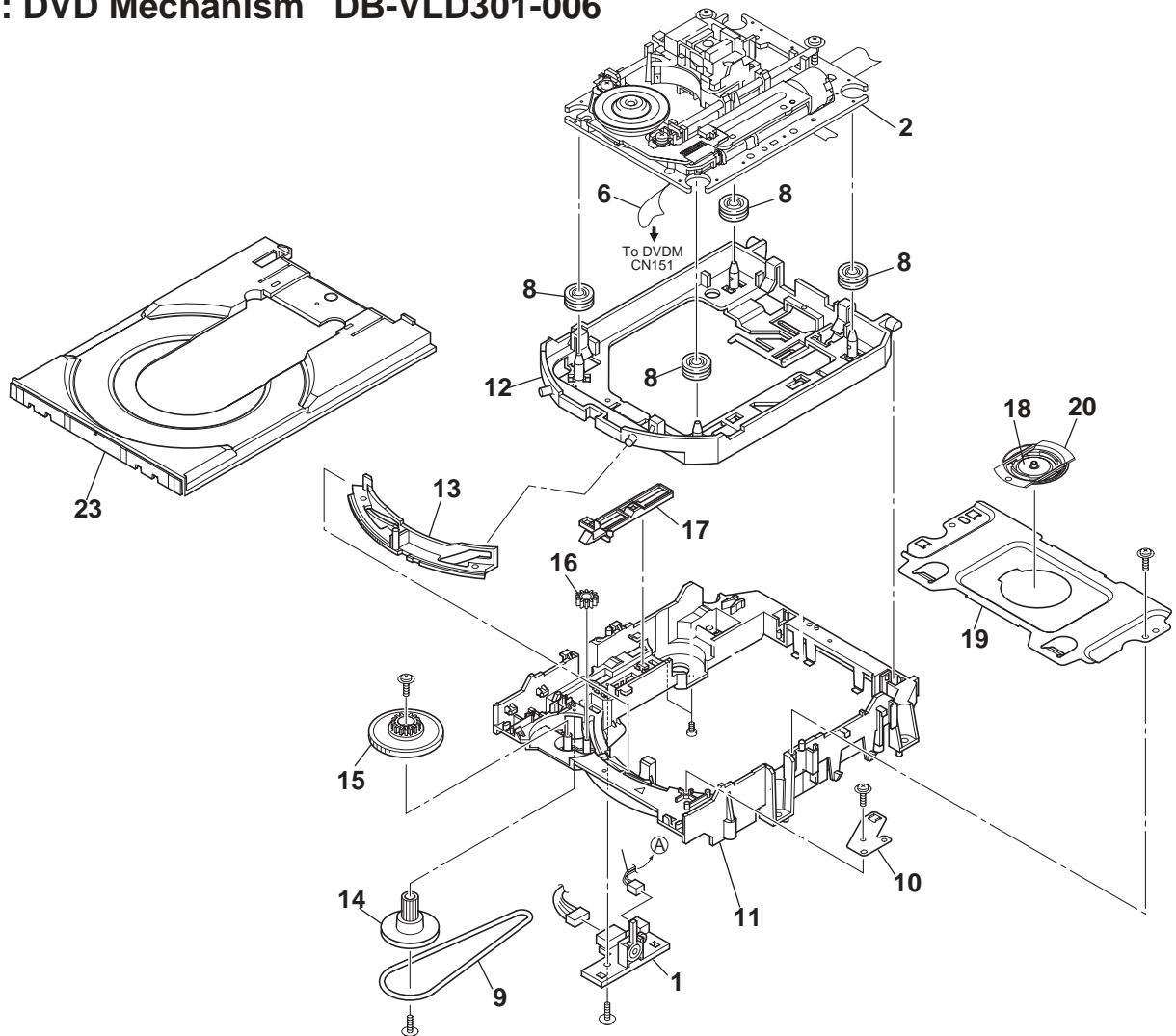
13 AV CONNECTOR 2 (OUT) jack

Use a 21-pin SCART cable to connect to a TV or monitor compatible with this type of connection. Outputs audio and video (RGB, S, and composite) when the unit is powered on. When the unit is in standby mode, this jack outputs the audio and video input from the AV CONNECTOR 1 jack.



EXPLODED VIEW (LOADING MECHANISM) / PARTS LIST

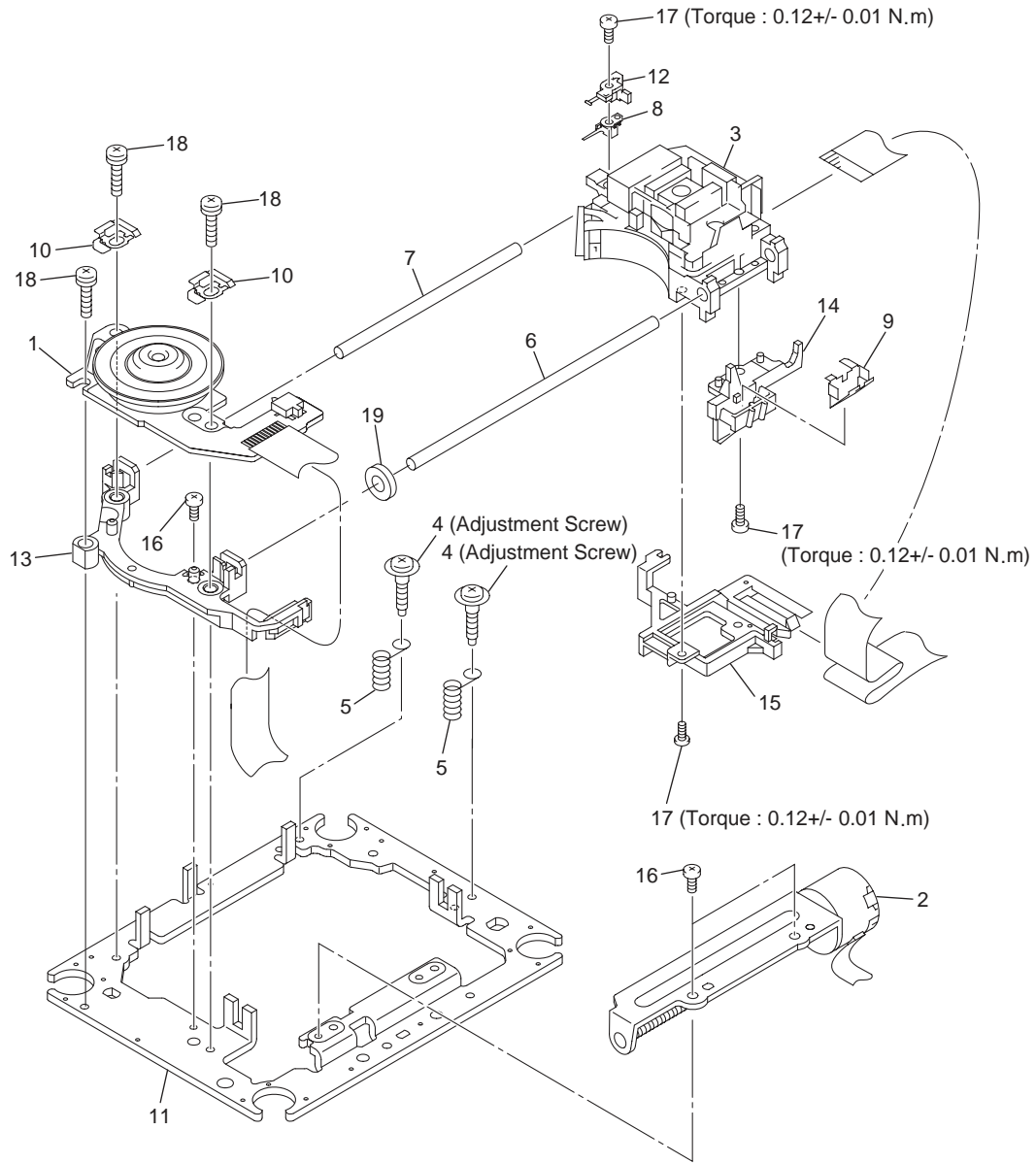
Z101 : DVD Mechanism DB-VLD301-006



Parts list

REF.NO	PART NO.	DESCRIPTION	REF.NO.	PART NO.	DESCRIPTION
1	VKN1790	Loading PC board assy	12	VNL1918	Float base DVD
2	VXX2782	Traverse mechanism assy	13	VNL1919	Drive cam
6	VDA1864	FFC 26P	14	VNL1921	Gear pulley
8	VEB1327	Rubber	15	VNL1922	Loading gear
9	VEB1328	Belt	16	VNL1923	Drive gear
10	VNE2253	Stabilizer	17	VNL1925	Lever switch
11	VNL1917	Loading base	18	VNE2251	Clamber plate
			19	VNE2252	Bridge
			20	VNL1924	Clamber
			23	VNL1920	Tray

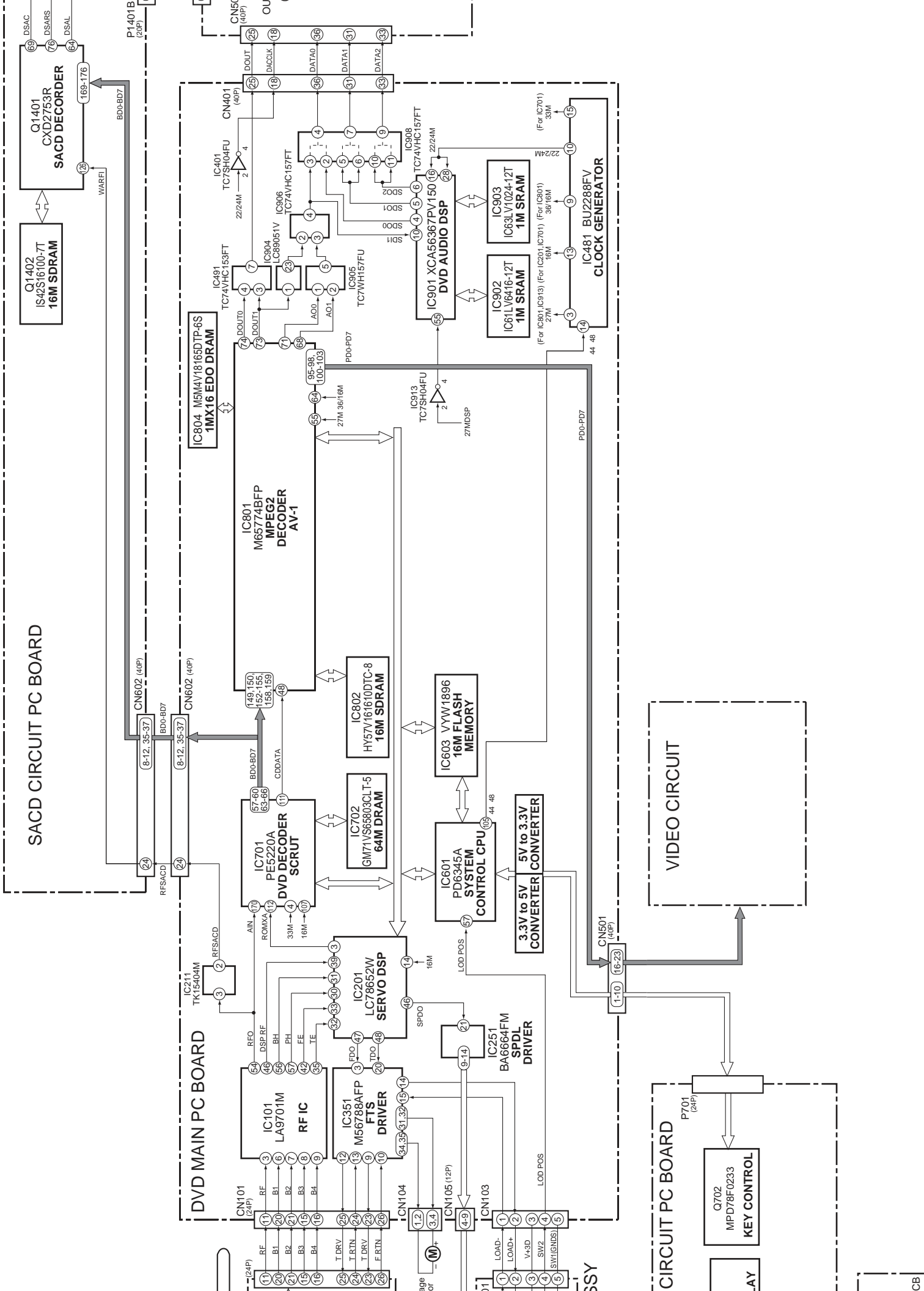
EXPLODED VIEW / PARTS LIST
TRAVERSE MECHANISM ASSY



PARTS LIST

Mark No.	Description	Part No.	Mark No.	Description	Part No.
1	Spindle Motor	VXM1088	9	Joint Spring	VNC1019
		(or VXM1089)	10	Support Spring	VNC1020
2	Stepping Motor (CARRIAGE)	VXM1090	11	Mechanism Chassis	VNE2248
3	Pickup Assy-S	OXX8003	12	Slider	VNL1811
			13	Spacer	VNL1913
4	Skew Screw	VBA1080	14	Joint	VNL1914
5	Skew Spring	VBH1335	15	FFC Holder	VNL1915
6	Guide Bar	VLL1514	16	Screw	BBZ20P050FZK
7	Sub Guide Bar	VLL1515	17	Screw	OBA8009
8	Hold Spring	VNC1017	18	Screw	PMA26P100FMC
			19	Damper Sheet	VEB1335

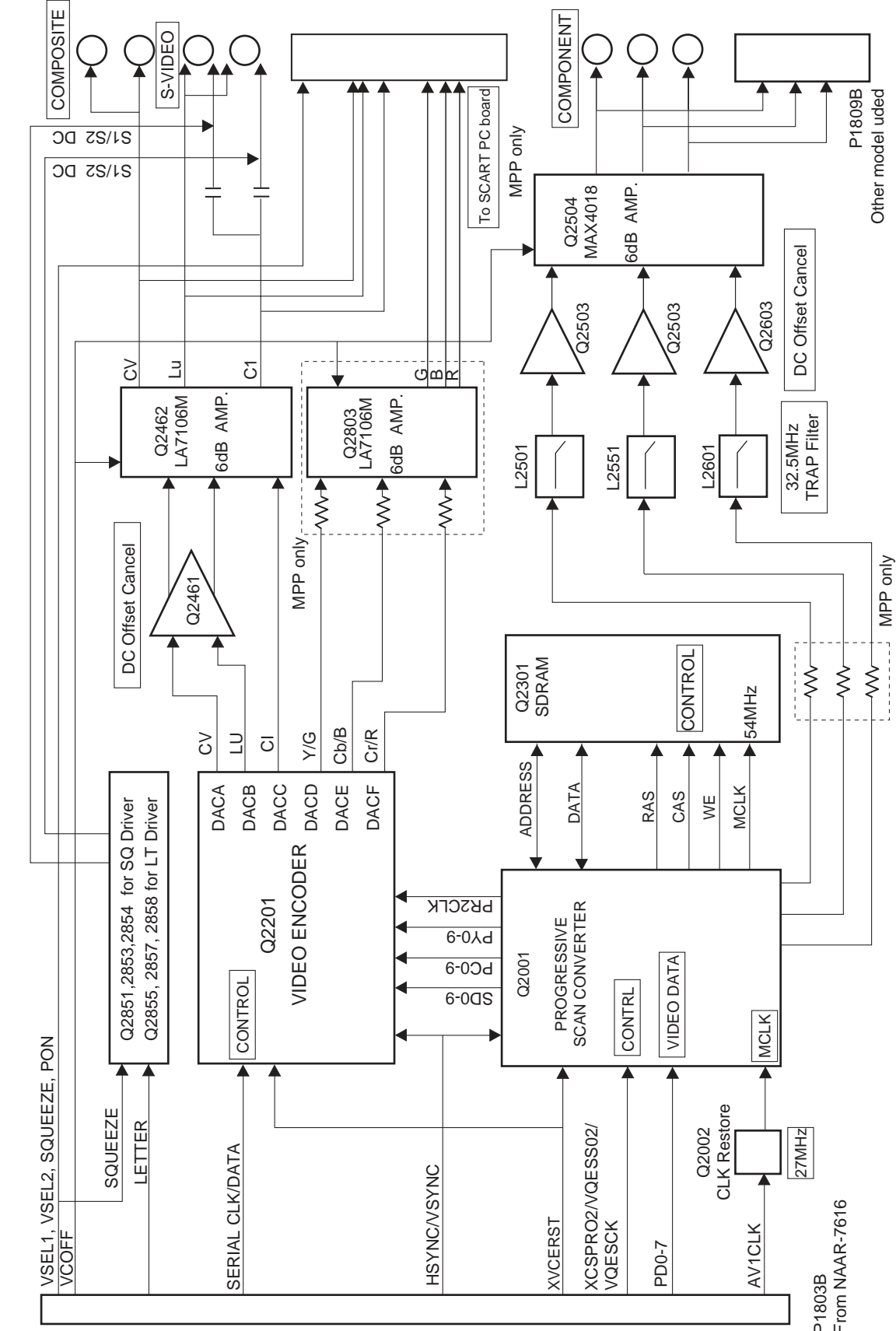
NSP : Not service part



A B C D E

BLOCK DIAGRAM

VIDEO CIRCUIT SECTION



1

2

3

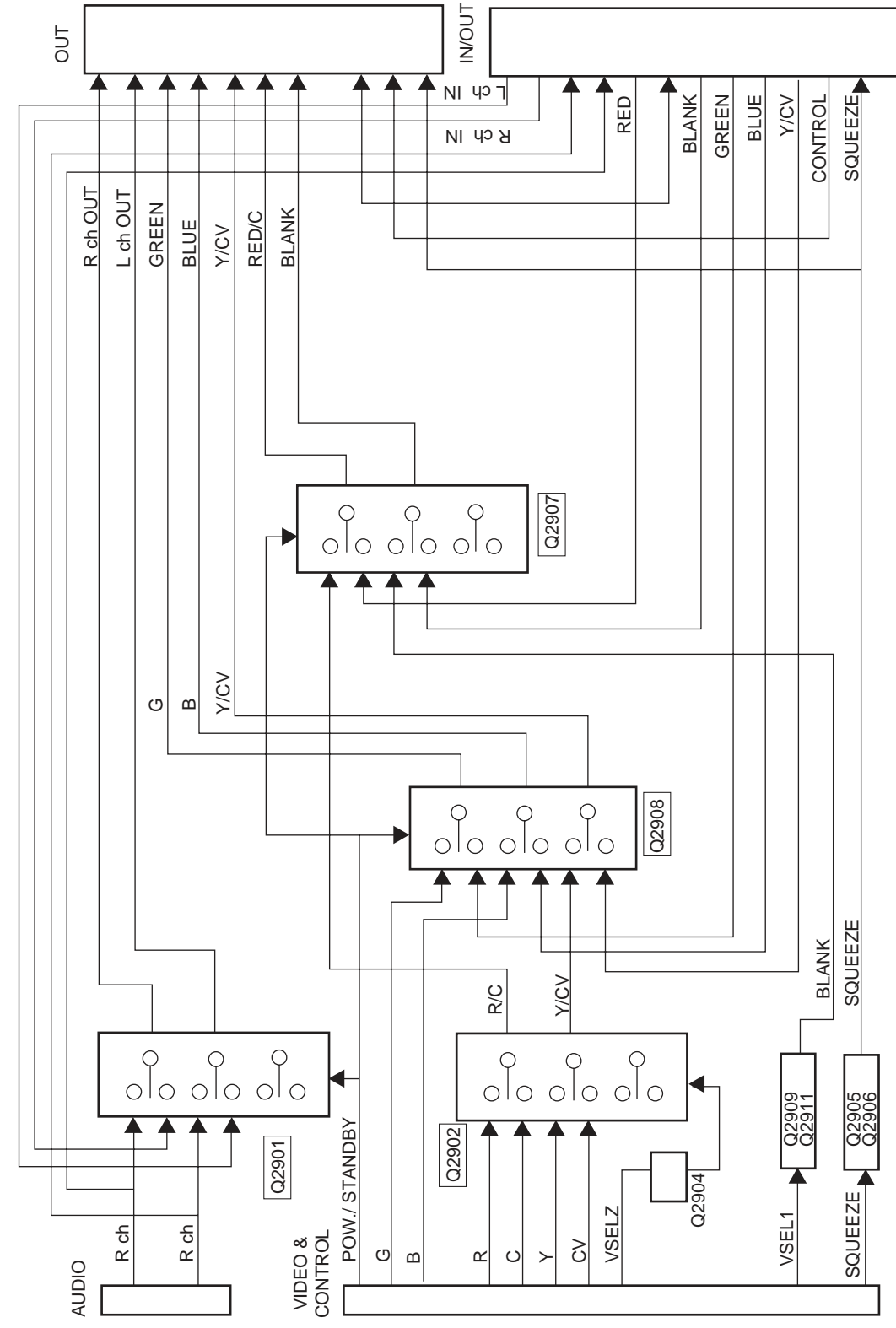
4

P1803B From NAAR-7616

A B C D E

BLOCK DIAGRAM

SCART TERMINAL SECTION <MPP> ONLY



1 2 3 4

E

D

C

B

A

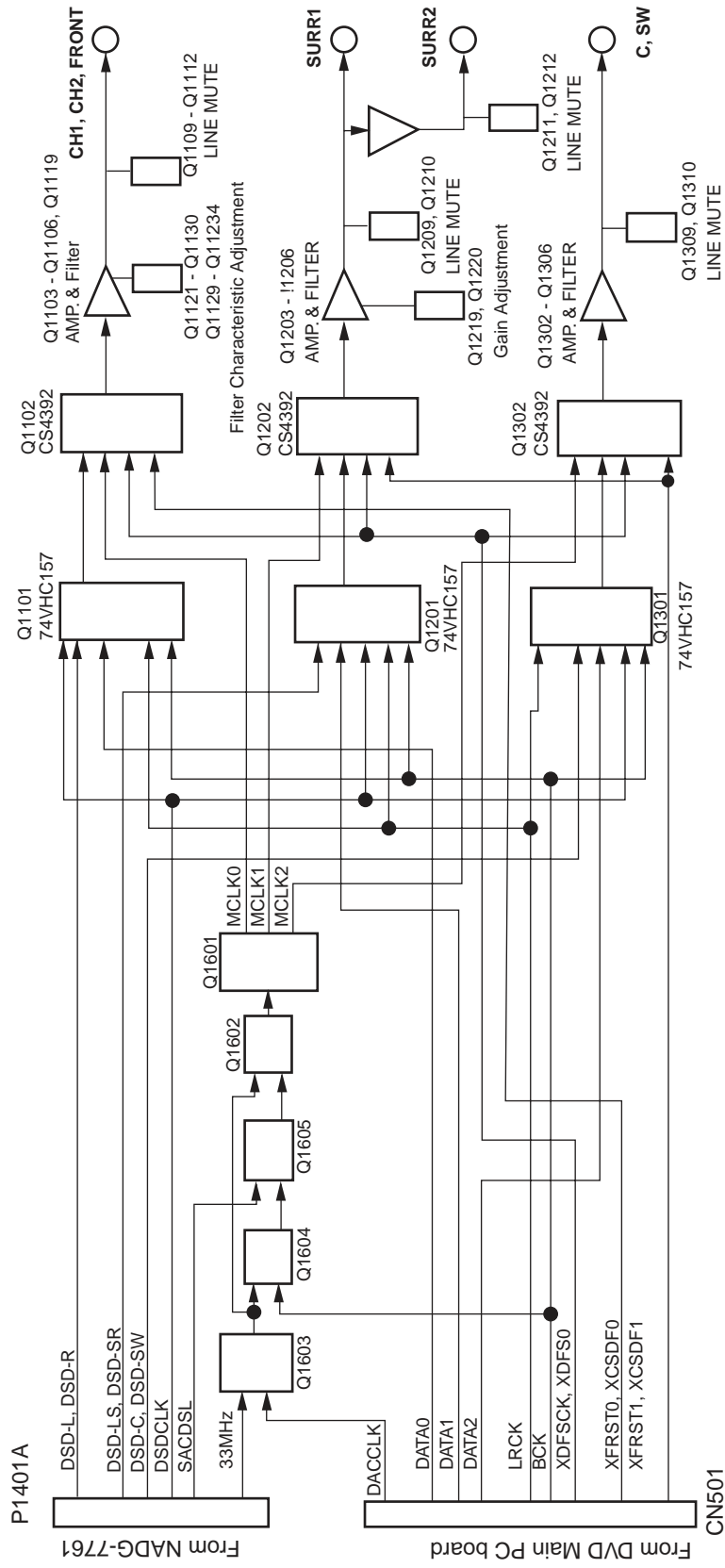
BLOCK DIAGRAM AUDIO DAC SECTION

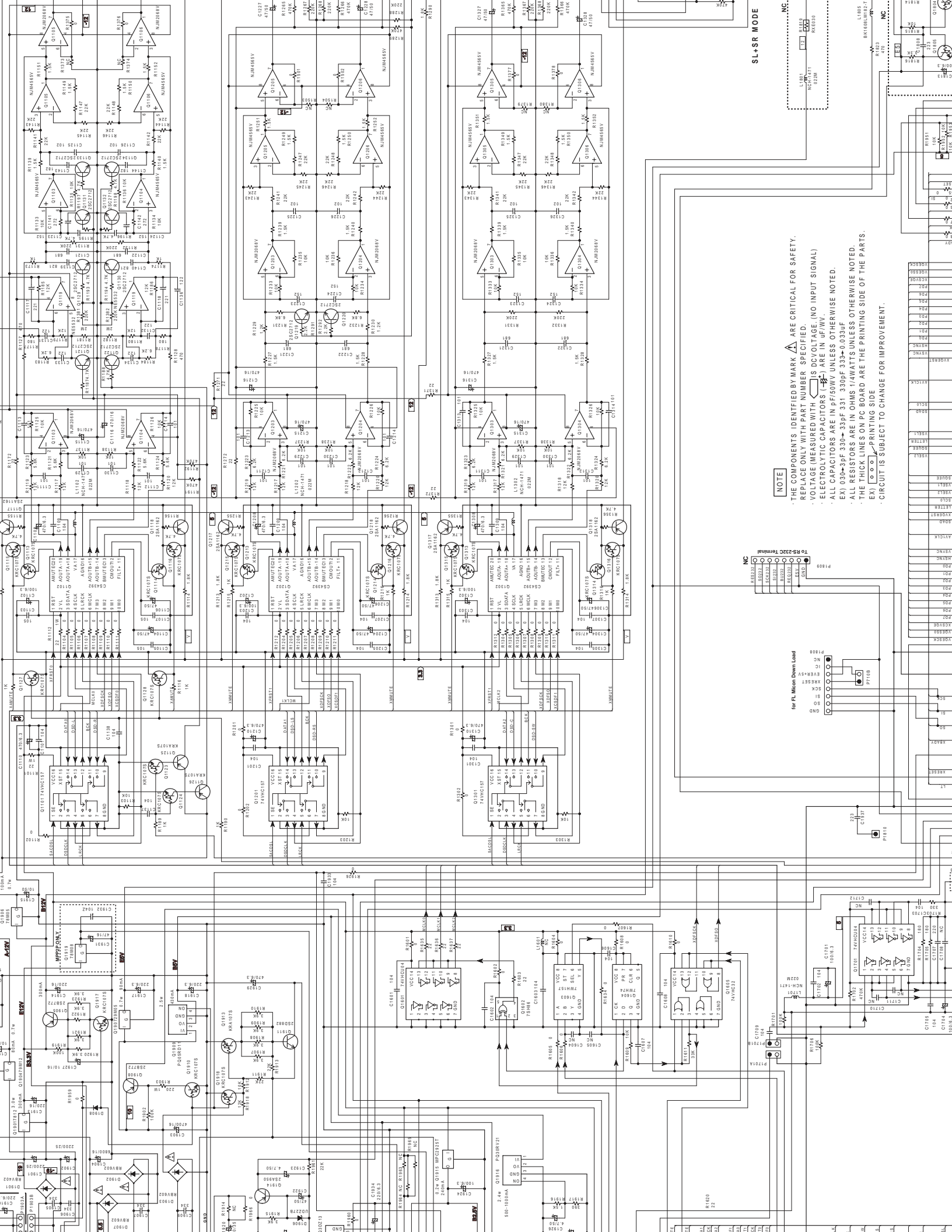
1

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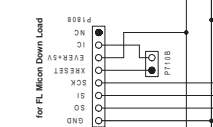




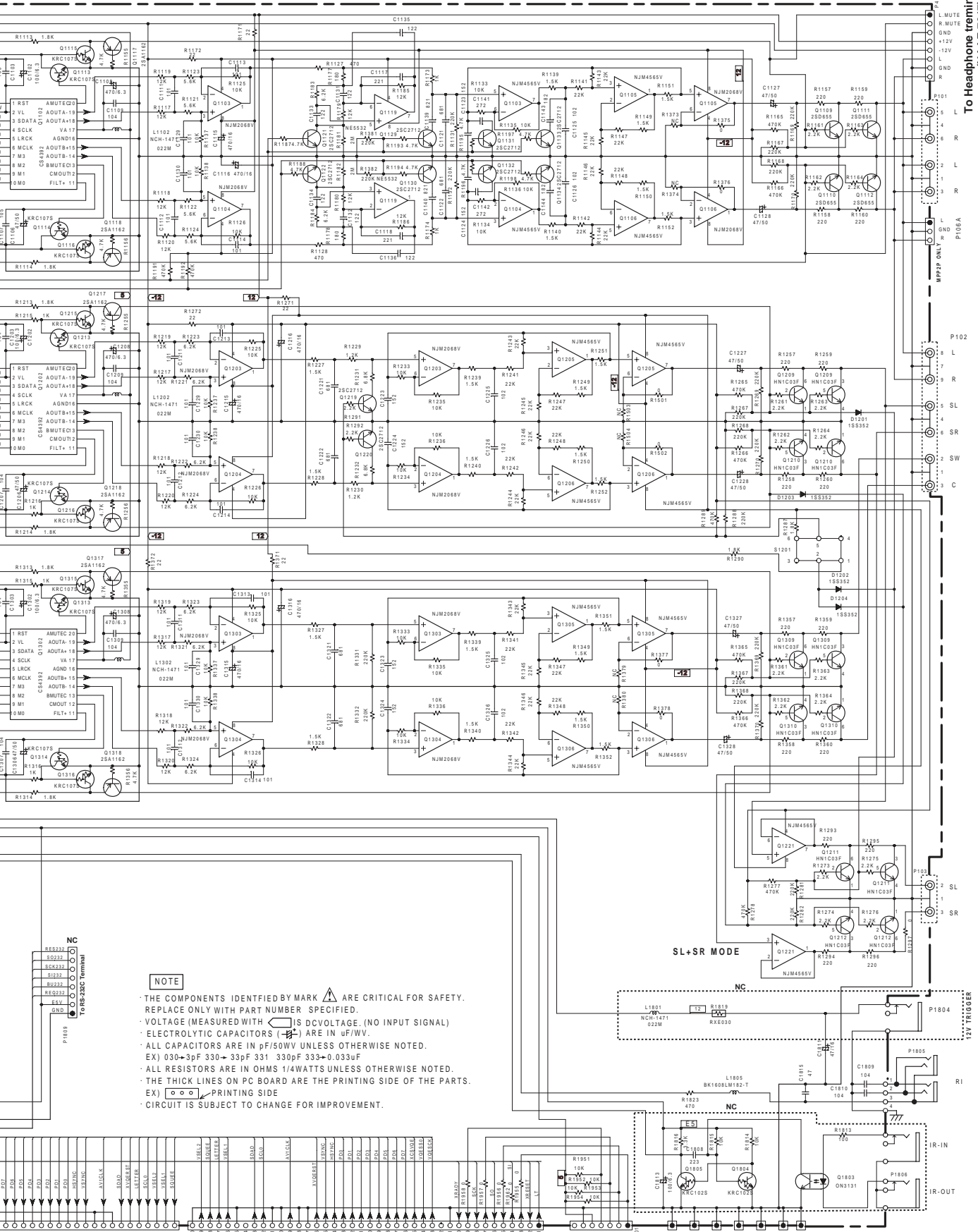
SL+SR MODE

NOTE

- THE COMPONENTS IDENTIFIED BY MARK ARE CRITICAL FOR SAFETY. REPLACE ONLY WITH PART NUMBER SPECIFIED.
- VOLTAGE (MEASURED WITH IS DCVOLTAGE, (NO INPUT SIGNAL)
- ELECTROLYTIC CAPACITORS () ARE IN UF/UVV.
- ALL CAPACITORS ARE IN pF/50VV UNLESS OTHERWISE NOTED. EX) 030-3pF 330- 33pF 331 330pF 333+0.03uF
- 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.



C BOARD NAAR-7616



NOTE

- THE COMPONENTS IDENTIFIED BY MARK ARE CRITICAL FOR SAFETY. REPLACE ONLY WITH PART NUMBER SPECIFIED.
- VOLTAGE (MEASURED WITH IS DC VOLTAGE. (NO INPUT SIGNAL)
- ELECTROLYTIC CAPACITORS () ARE IN $\mu\text{F/WV}$.
- ALL CAPACITORS ARE IN pF/50V UNLESS OTHERWISE NOTED.
- EX) 030-3pF 330-33pF 331-330pF 333-0.033 μF
- 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.

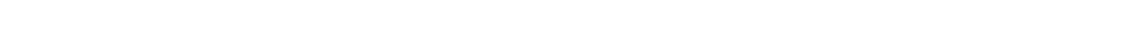
To Headphone terminal PCB (NAAF-7617)

SL+SR MODE

12V TRIGGER

to circuit PC board (NAVD-7632)

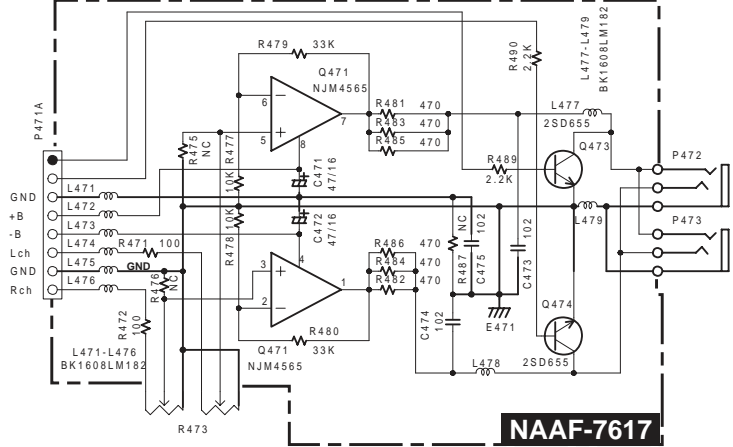
To Main circuit PC board



CIRCUIT PC BOARD NADG-7761

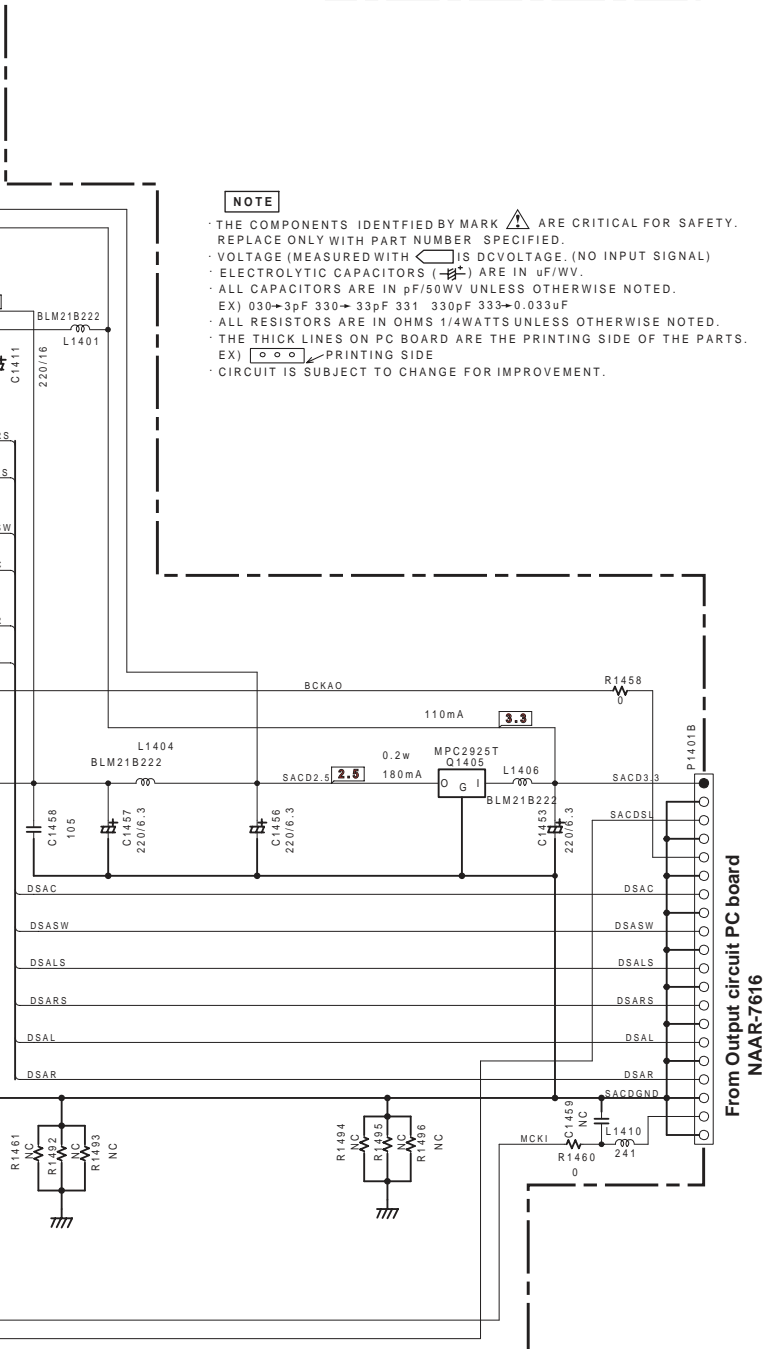
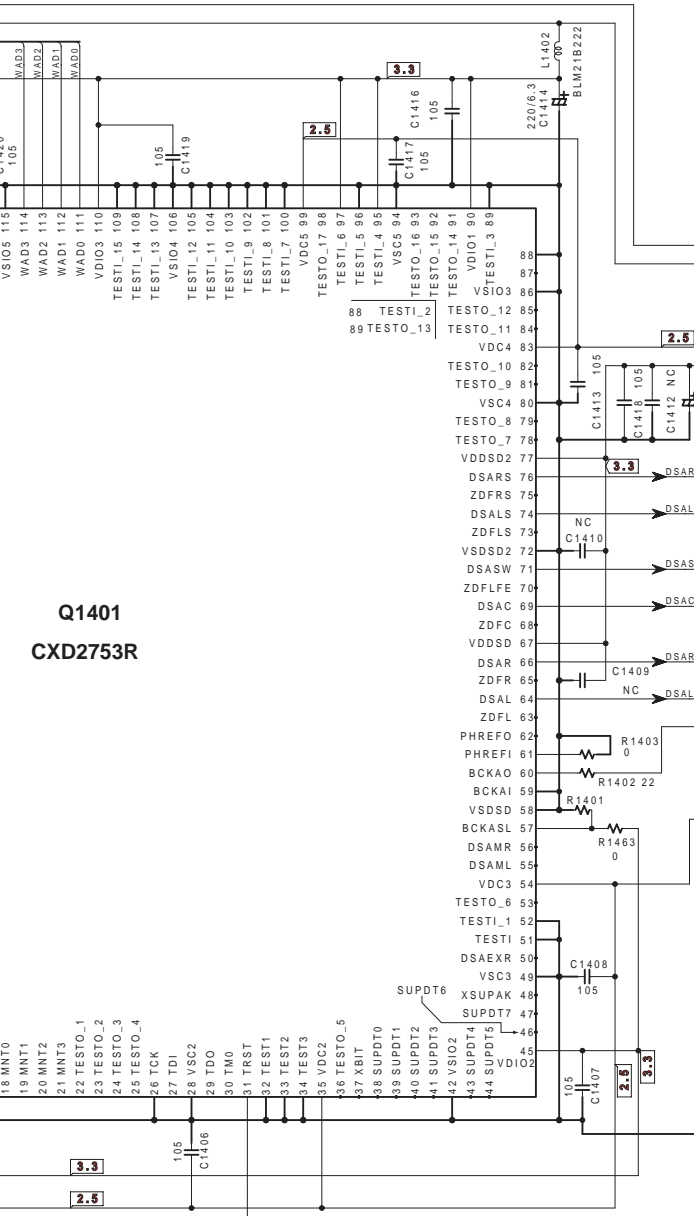
NADG-7761

U13: HEADPHONE TERMINAL PC BOARD



NOTE

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



From Output circuit PC board
NAAF-7616

A

B

C

D

SCHEMATIC DIAGRAM SACD CIRCUIT PC BOARD SECTION

U14: SACD CIR

1

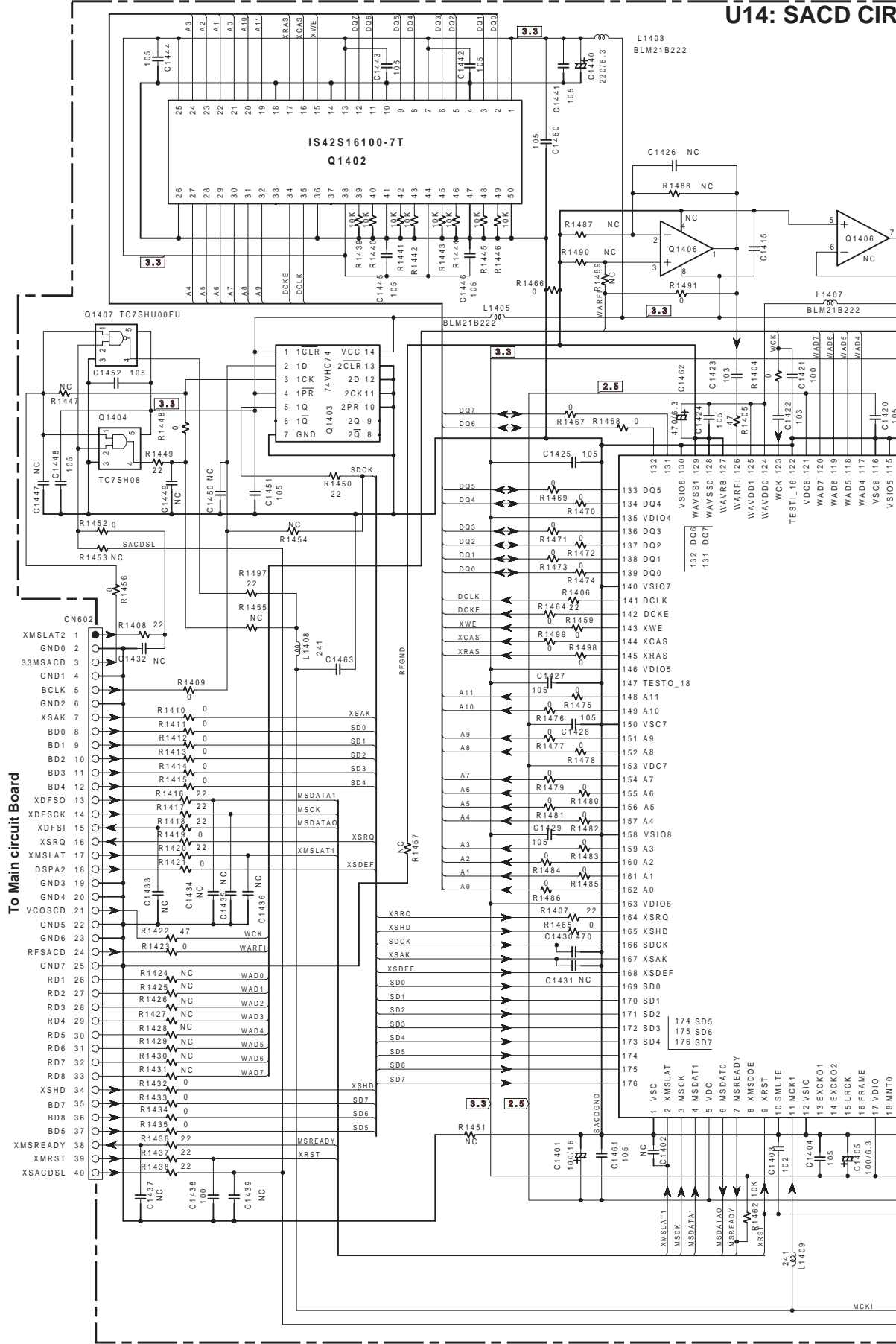
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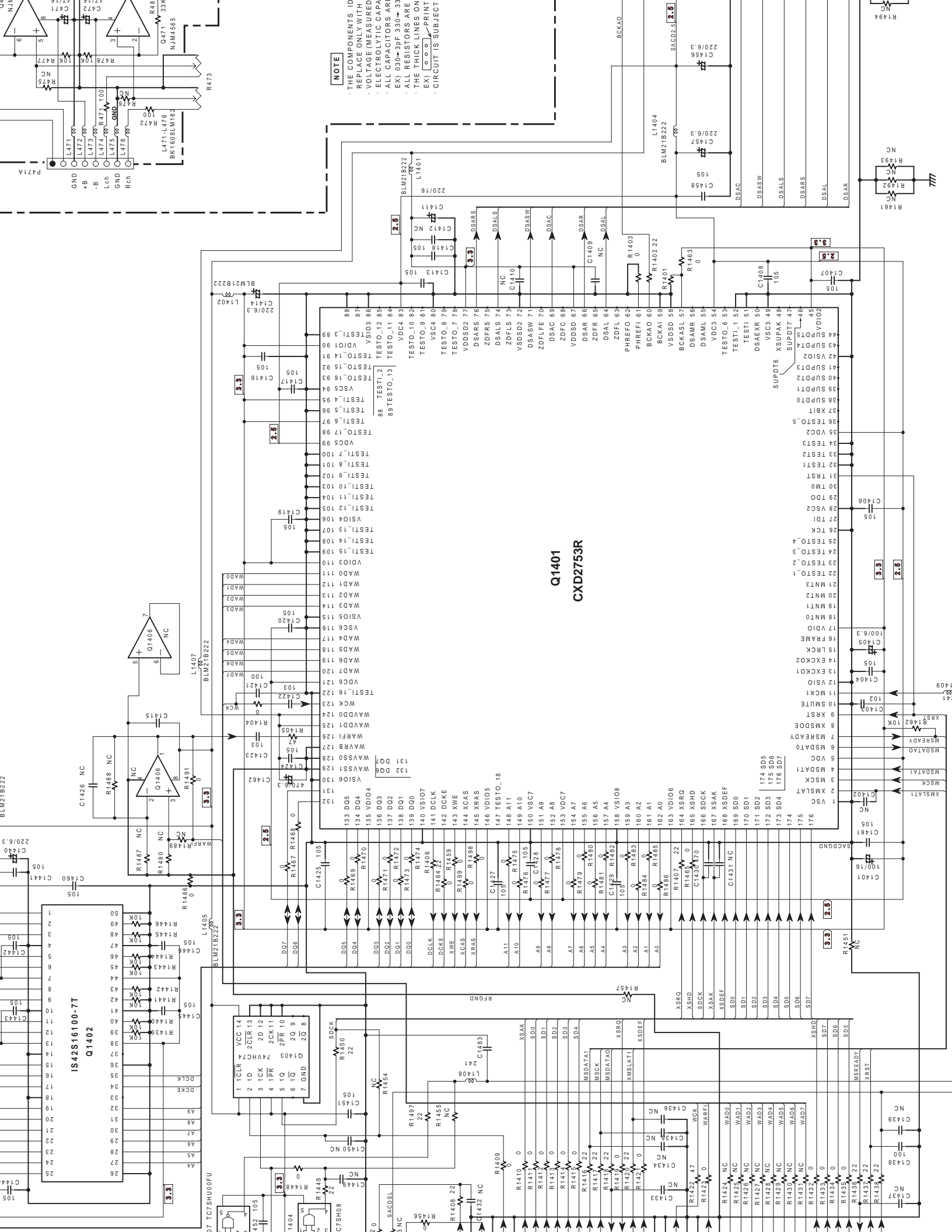
3

4

5

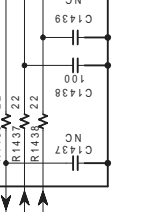
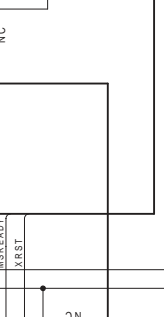
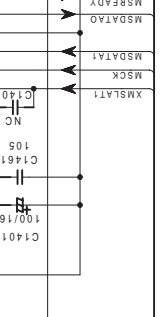
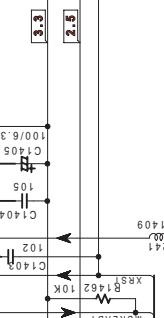
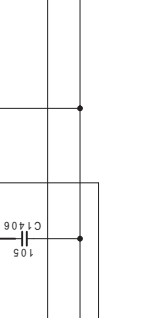
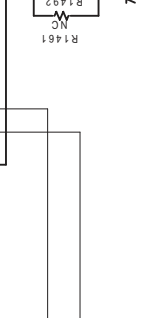
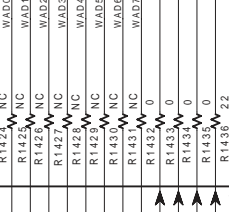
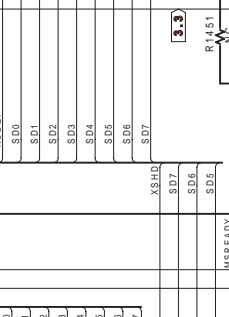
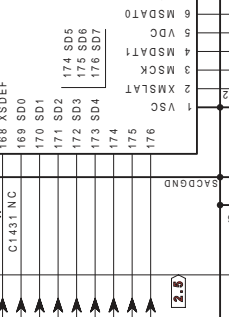
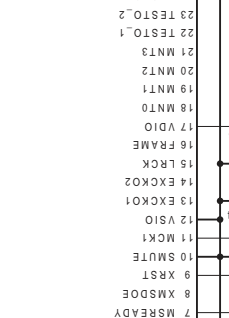
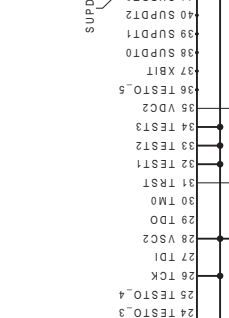
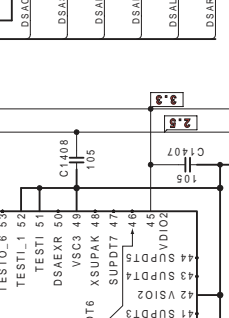
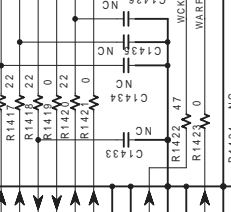
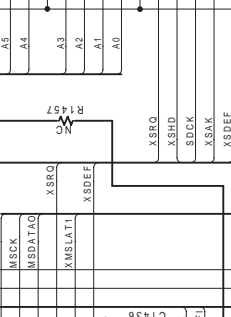
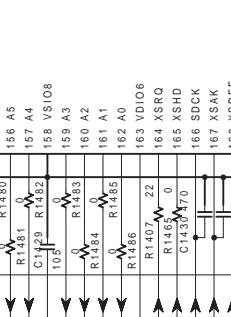
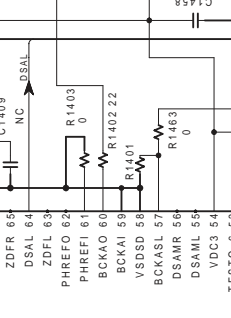
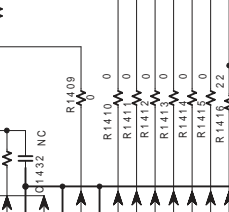
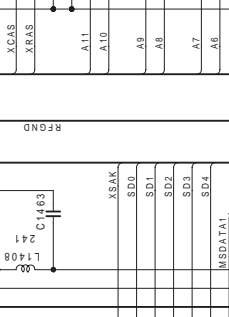
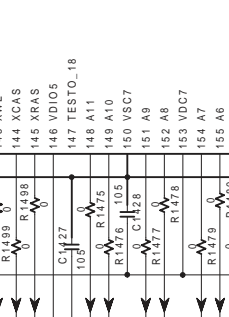
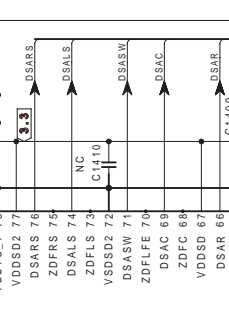
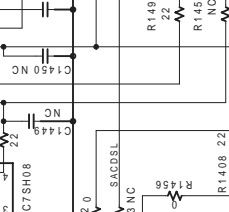
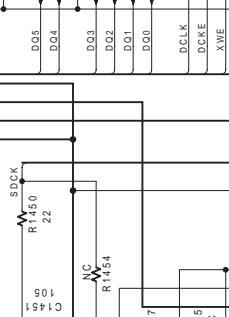
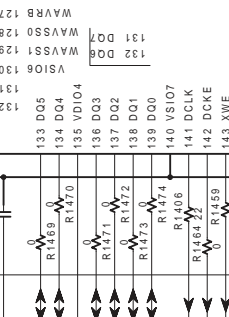
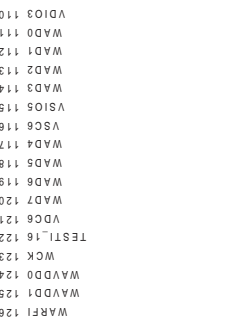
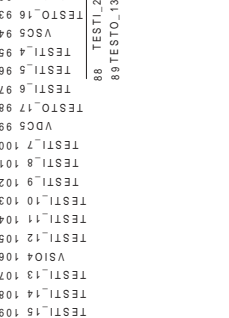
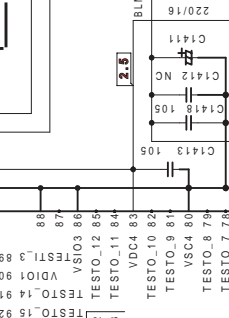
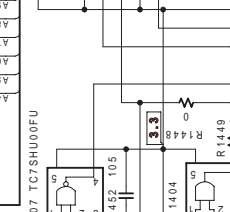
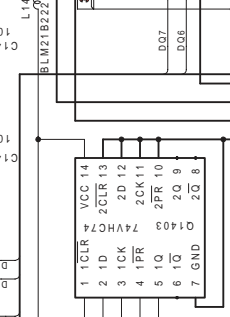
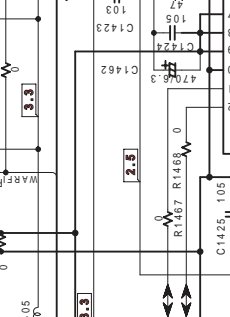
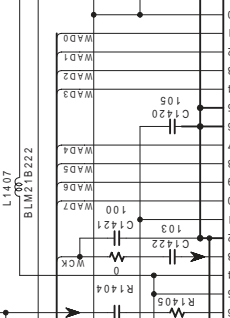
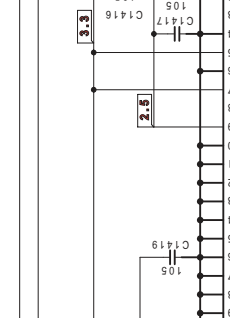
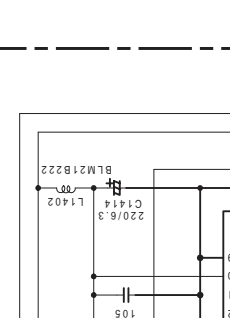
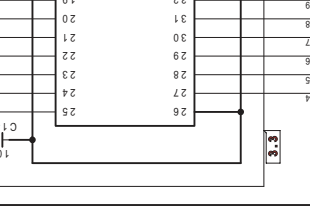
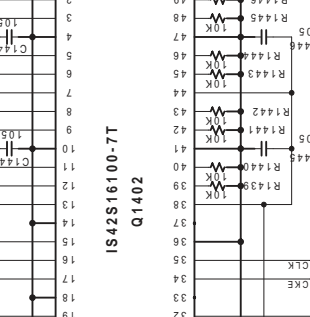
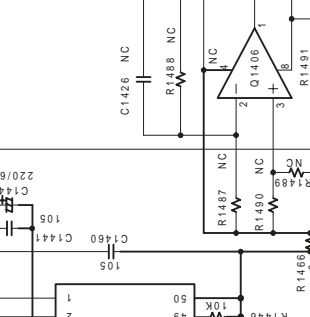
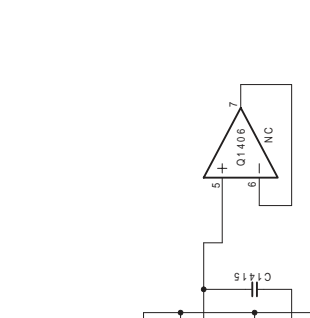
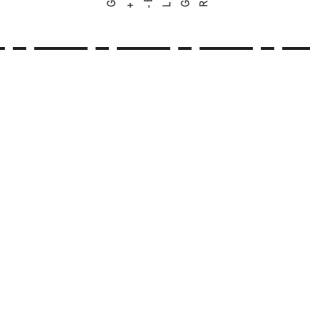
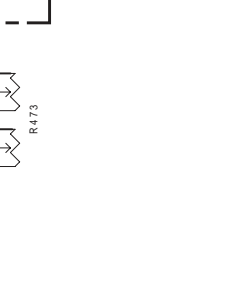
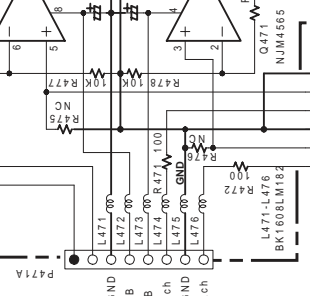
To Main circuit Board



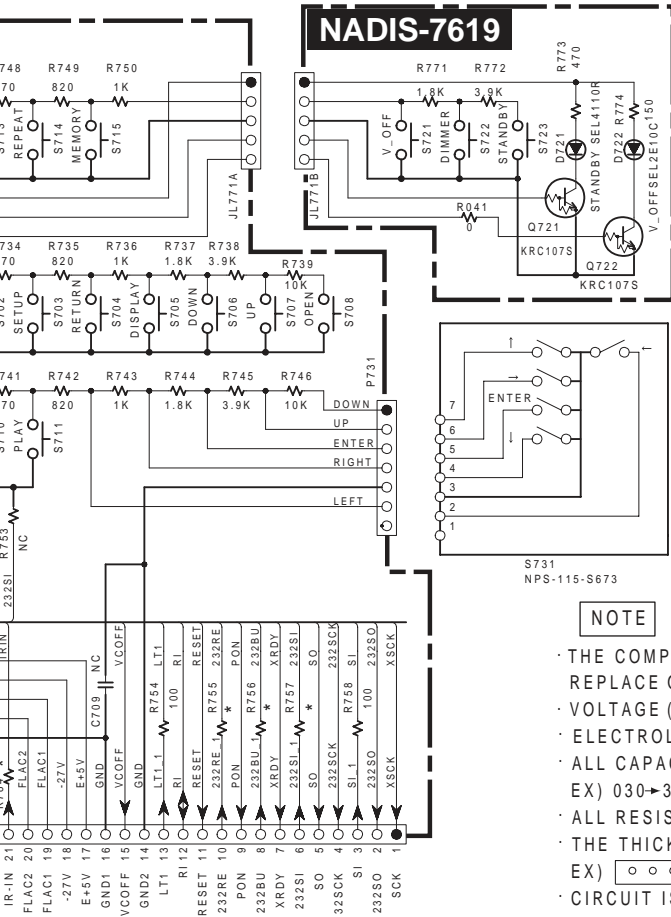


NOTE
 THE COMPONENTS IDENTIFIED BY A THICK LINE SHOULD BE REPLACED ONLY WITH THE SAME TYPE AND VALUE (MEASURED).
 ELECTROLYTIC CAPACITORS ARE IDENTIFIED BY A THICK LINE AND A POLARITY SYMBOL.
 ALL CAPACITORS ARE IN PICO FARADS (PF) UNLESS OTHERWISE SPECIFIED.
 ALL RESISTORS ARE IN OHMS UNLESS OTHERWISE SPECIFIED.
 THE THICK LINES ON THIS DRAWING ARE FOR IDENTIFICATION PURPOSES ONLY.
 CIRCUIT IS SUBJECT TO CHANGE WITHOUT NOTICE.

**Q1401
 QXD2753R**



**U3: STANDBY LED PC BOARD
NADIS-7619**



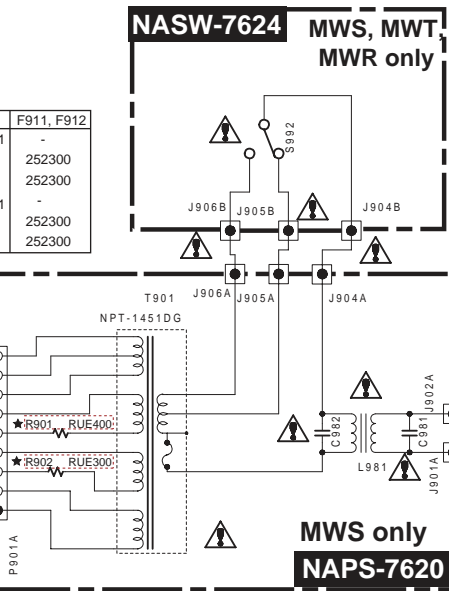
NOTE

- THE COMPONENTS IDENTIFIED BY MARK ARE CRITICAL FOR SAFETY. REPLACE ONLY WITH PART NUMBER SPECIFIED.
- VOLTAGE (MEASURED WITH IS DC VOLTAGE. (NO INPUT SIGNAL)
- ELECTROLYTIC CAPACITORS () ARE IN uF/WV.
- ALL CAPACITORS ARE IN pF/50V 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.

To Output circuit PC board (NAAR-7616)

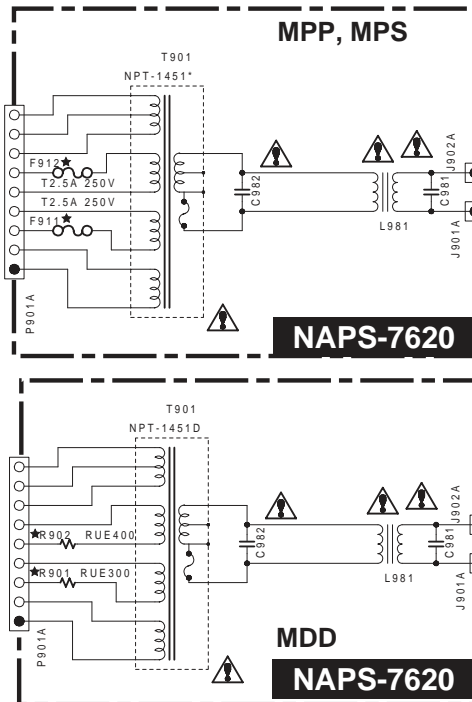
	R755,R756,R757 R776,R777	R709,R710,R711,R712 R713,R784	R791	R789,R790 R795	R726	R728,R729,R760	R730 R731	R727 R783
SP800	NC	NC	10K	NC	0	150	100	NC

	D704,D705	D706,D707,D708	D709,D710
SP800	SEL2E10C	SEL2E10C	NC

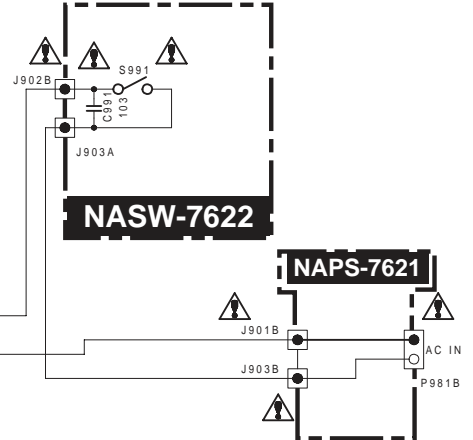


**U4: POWER TRANSFORMER PC BOARD
NAPS-7620**

**U4: POWER TRANSFORMER PC BOARD
NAPS-7620**



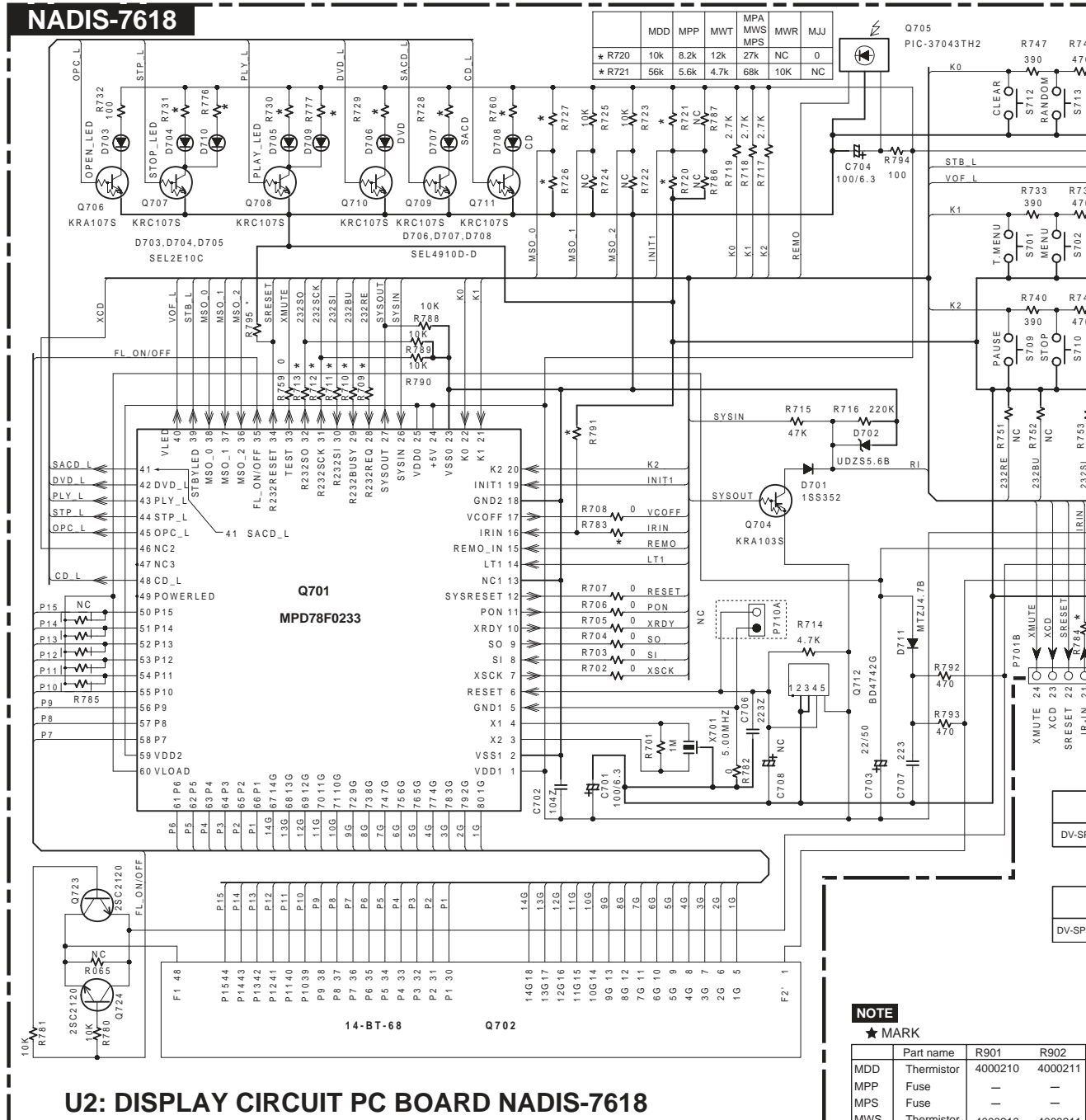
**U6: POWER SWITCH PC BOARD
NASW-7622**



**U5: INLET TERMINAL
PC BOARD NAOS-7621**

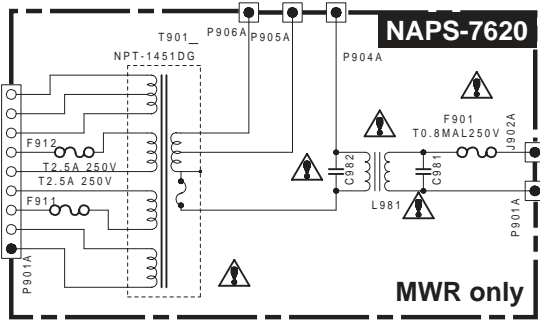


SCHEMATIC DIAGRA DISPLAY CIRCUIT PC BOARD SECTION



NOTE
★ MARK

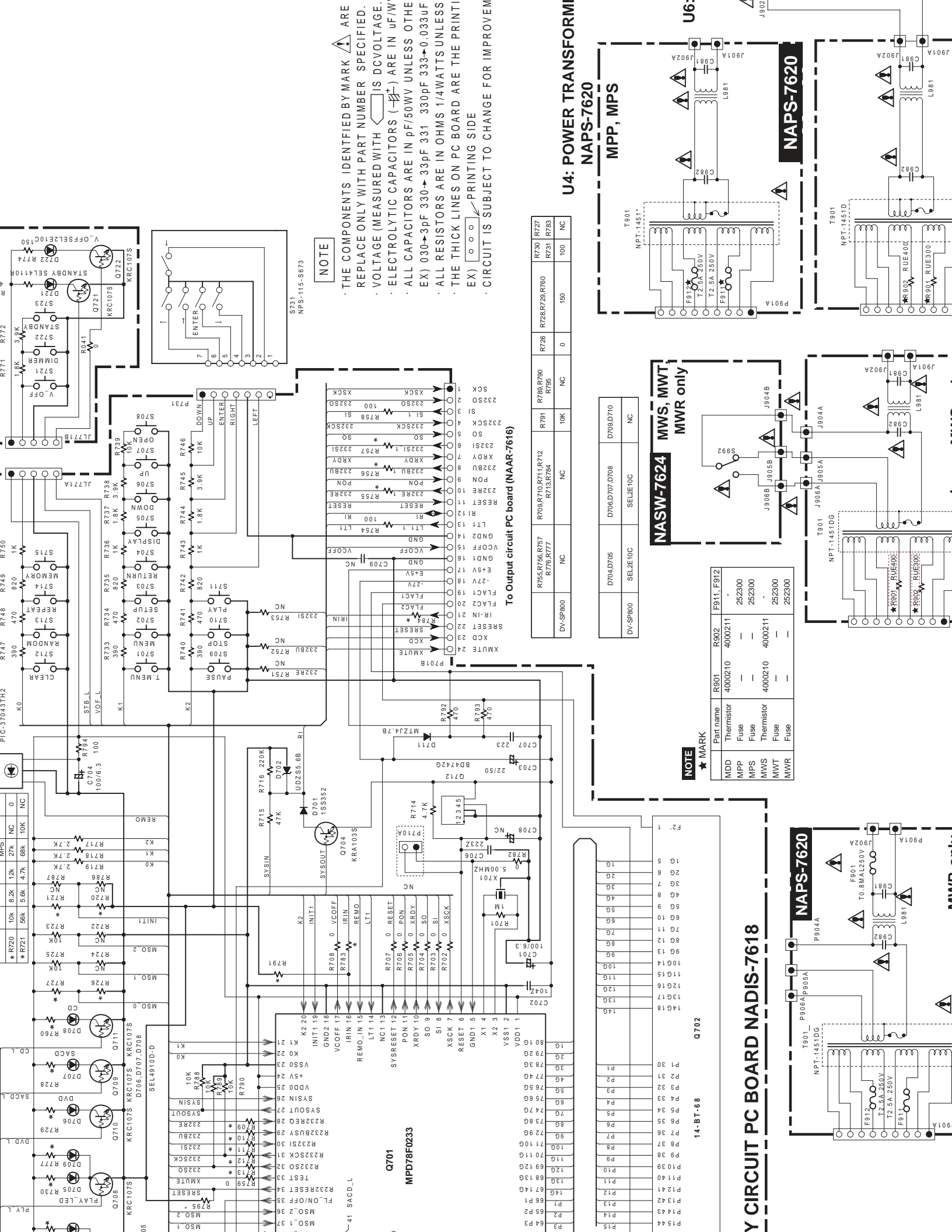
Part name	R901	R902
MDD	Thermistor	4000210 4000211
MPP	Fuse	—
MPS	Fuse	—
MWS	Thermistor	4000210 4000211
MWT	Fuse	—
MWR	Fuse	—



U4: POWER TRANSFORMER PC BOARD NAPS-7620

1
2
3
4
5

U4:

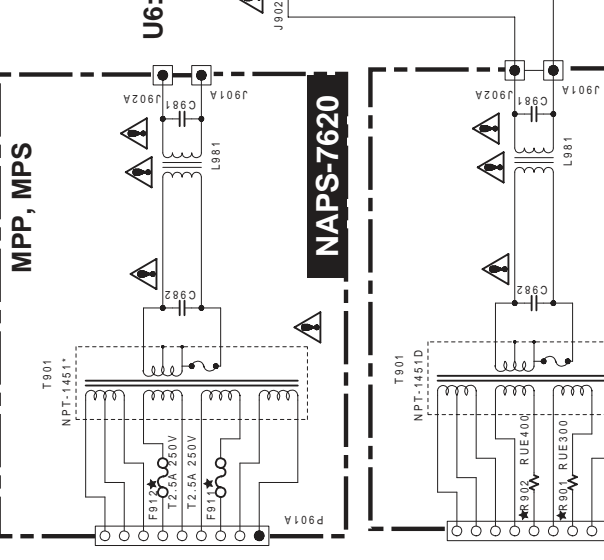


* R720	10K	8.2K	12K	27K	NC	0
* R721	56K	5.6K	4.7K	68K	10K	NC

NOTE

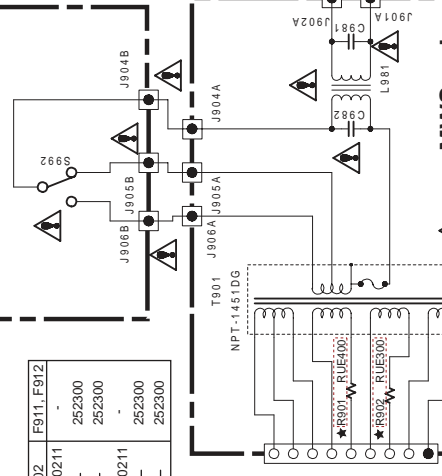
- THE COMPONENTS IDENTIFIED BY MARK ARE REPLACE ONLY WITH PART NUMBER SPECIFIED.
- VOLTAGE (MEASURED WITH IS DC VOLTAGE.
- ELECTROLYTIC CAPACITORS () ARE IN uF/W.
- ALL CAPACITORS ARE IN pF/50V UNLESS OTHERWISE SPECIFIED.
- ALL RESISTORS ARE IN OHMS 1/4Watts UNLESS OTHERWISE SPECIFIED.
- THE THICK LINES ON PCB ARE THE PRINTING SIDE EX) - PRINTING SIDE
- CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT

U4: POWER TRANSFORMER NAPS-7620



DV-SP800	NC	R755/R756/R757/R76/R77	R791/R792/R793/R794	R728/R729/R730/R731/R733	0	150	100	NC
D704/D705	SEL2E10C	D706/D707/D708	D709/D710	SEL2E10C	NC			

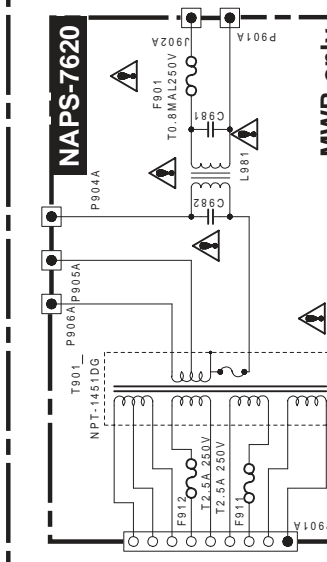
NASW-7624 MWS, MWT, MWR only



Part name	R901	R902	F911, F912
MDD Thermistor	4000210	4000211	-
MPP Fuse	-	-	252300
MPS Fuse	-	-	252300
MWS Thermistor	4000210	4000211	-
MWT Fuse	-	-	252300
MWR Fuse	-	-	252300

NOTE
★ MARK

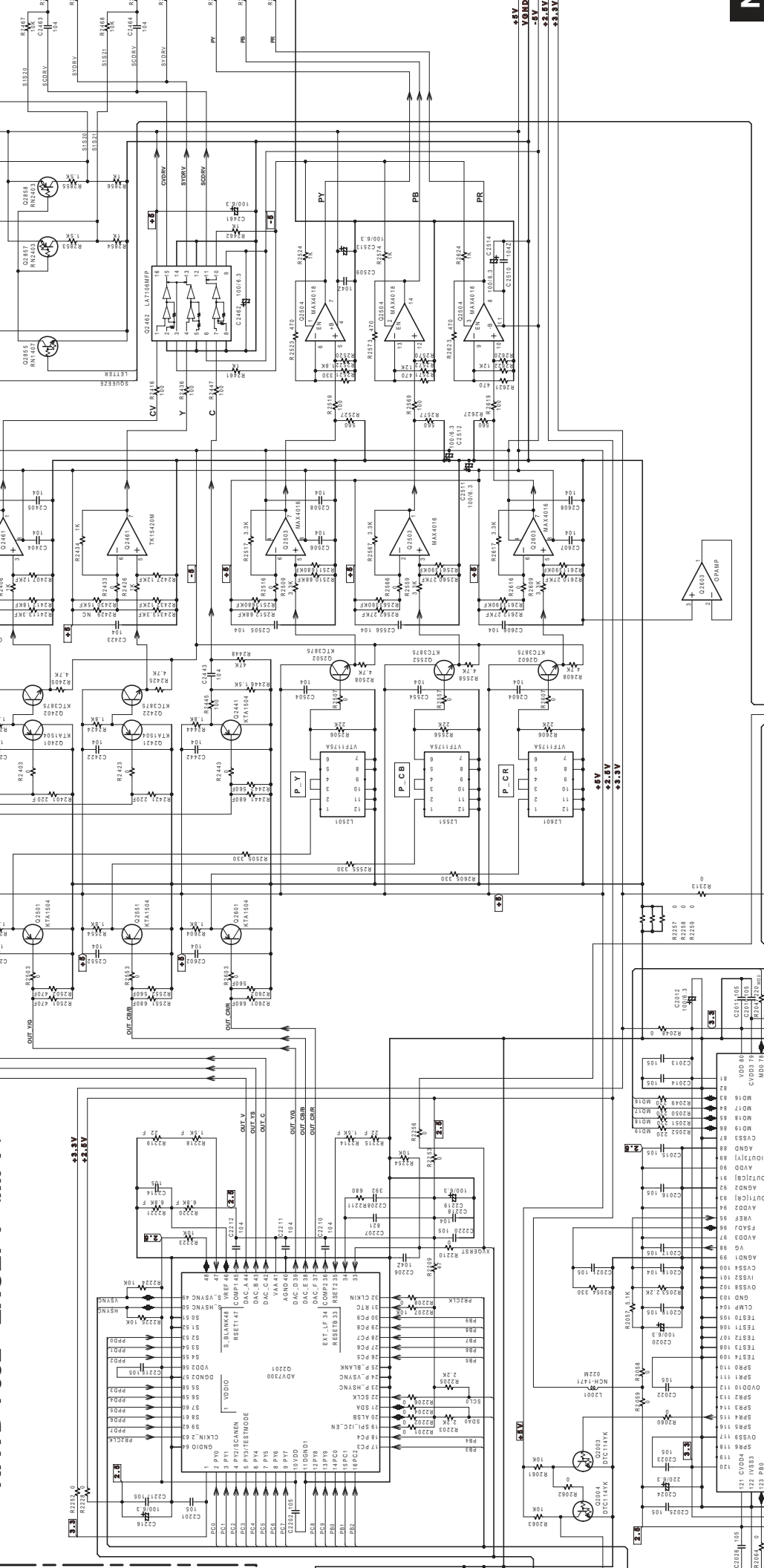
Y CIRCUIT PC BOARD NADIS-7618



14-BT-68 Q702

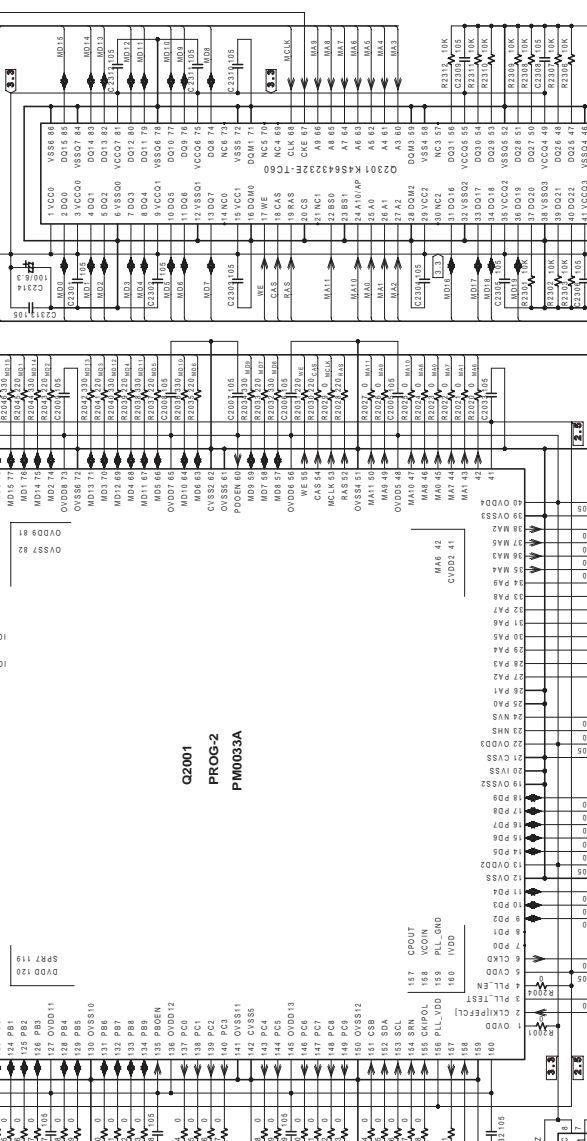
Q701 MPD78F0233

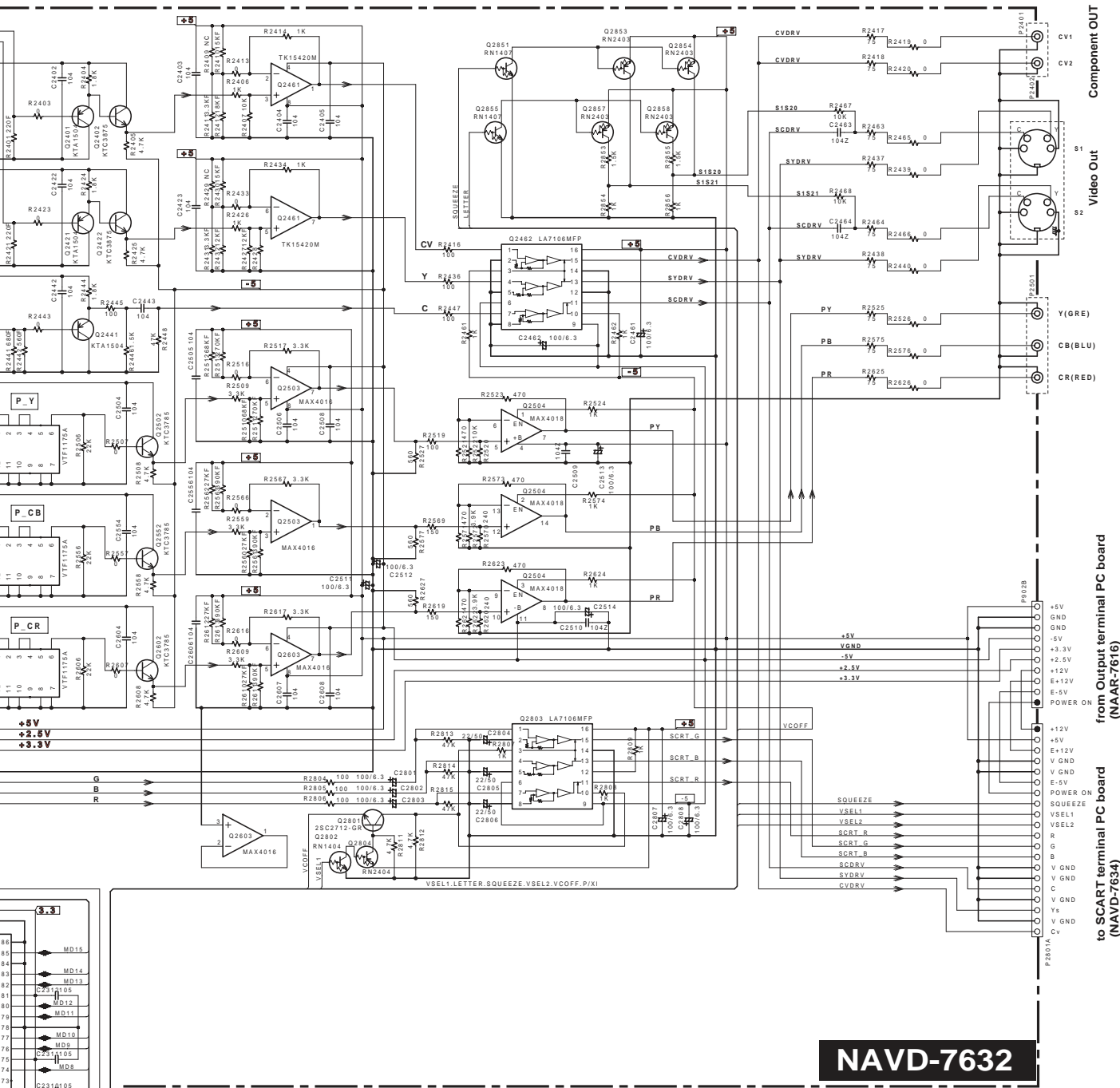
41 SACD_L



NOTE

- THE COMPONENTS IDENTIFIED BY MARK ARE CRITICAL FOR SAFETY.
- REPLACE ONLY WITH PART NUMBER SPECIFIED.
- VOLTAGE MEASURED WITH IS DC VOLTAGE. (NO INPUT SIGNAL)
- ELECTROLYTIC CAPACITORS () ARE IN uF/WV.
- ALL CAPACITORS ARE IN pF/50V UNLESS OTHERWISE NOTED.
- EX) 030-39F 330-330PF 331 3300PF 333+0.033uF
- ALL RESISTORS ARE IN OHMS 1/4WATT UNLESS OTHERWISE NOTED.
- THE THICK LINES ON PCB BOARD ARE THE PRINTING SIDE OF THE PARTS.
- EX) PRINTING SIDE
- CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.





Component Out
Video Out
Y
C
S1
S2
Y(GRE)
CB(BLU)
CR(RED)

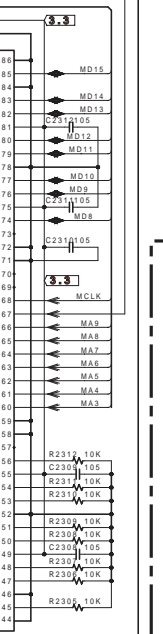
from Output terminal PC board (NAAR-7616)
+5V
GND
GND
-5V
+3.3V
+2.5V
+12V
+12V
E-5V
POWER ON

to SCART terminal PC board (NAVD-7634)
+12V
+5V
E+12V
V GND
V GND
E-5V
POWER ON
SQUEEZE
VSEL1
VSEL2
VSEL2
SCRT_R
SCRT_B
SCRT_G
SCRT_B
SYDRV
SCDRV
CVDRV

NAVD-7632

NOTE

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- 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.
EX) PRINTING SIDE
- CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.



A

B

C

D

SCHEMATIC DIAGRAM VIDEO SECTION

U11: VIDEO CIRCUIT PC BOARD NAVD-7632 EXCEPT <MPP>

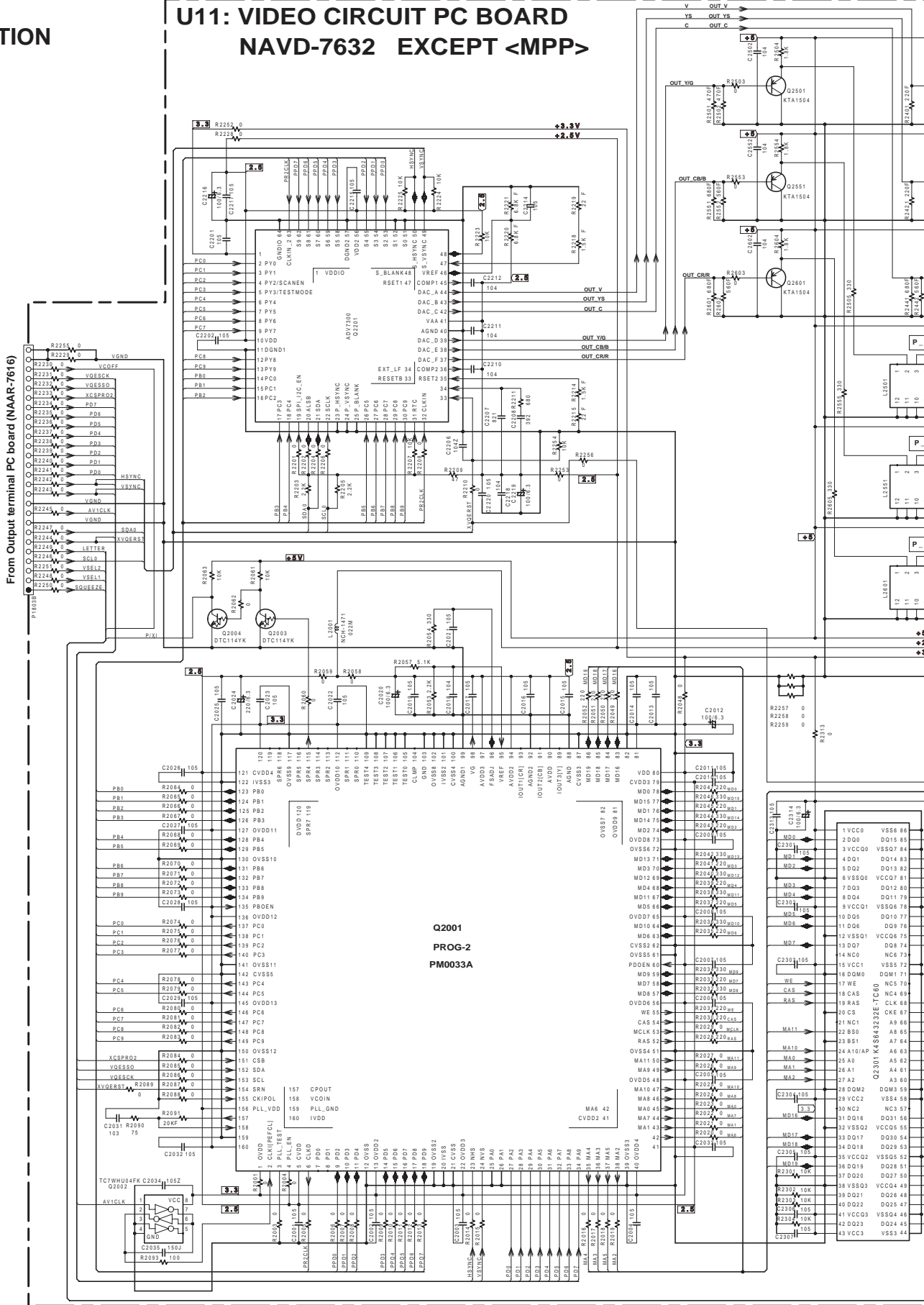
1

2

3

4

5



A
SCHEMATIC DIAGRAM
VIDEO SECTION

B **C** **D**
U11: VIDEO CIRCUIT PC BOARD
NAVD-7632 <MPP> only

1

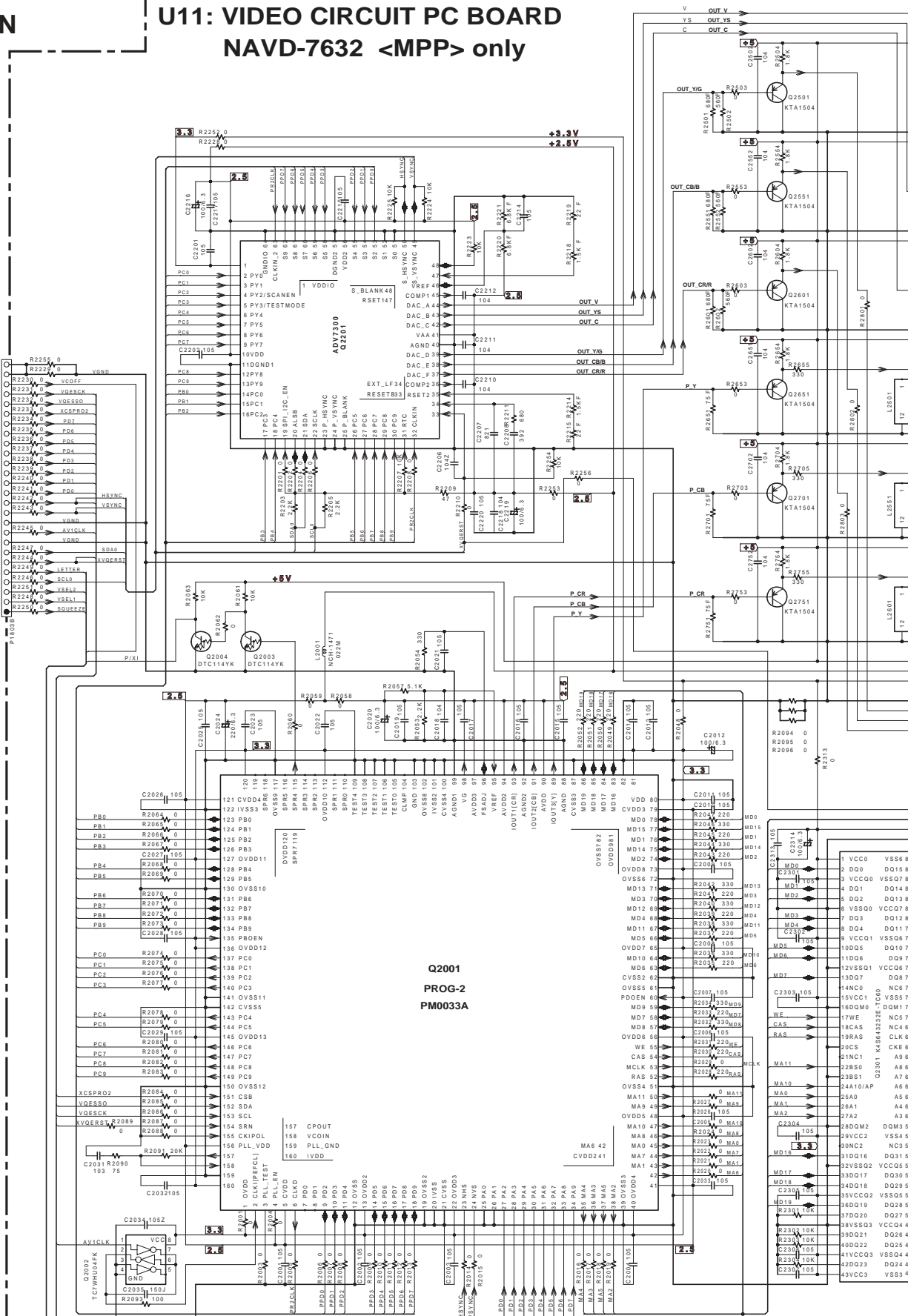
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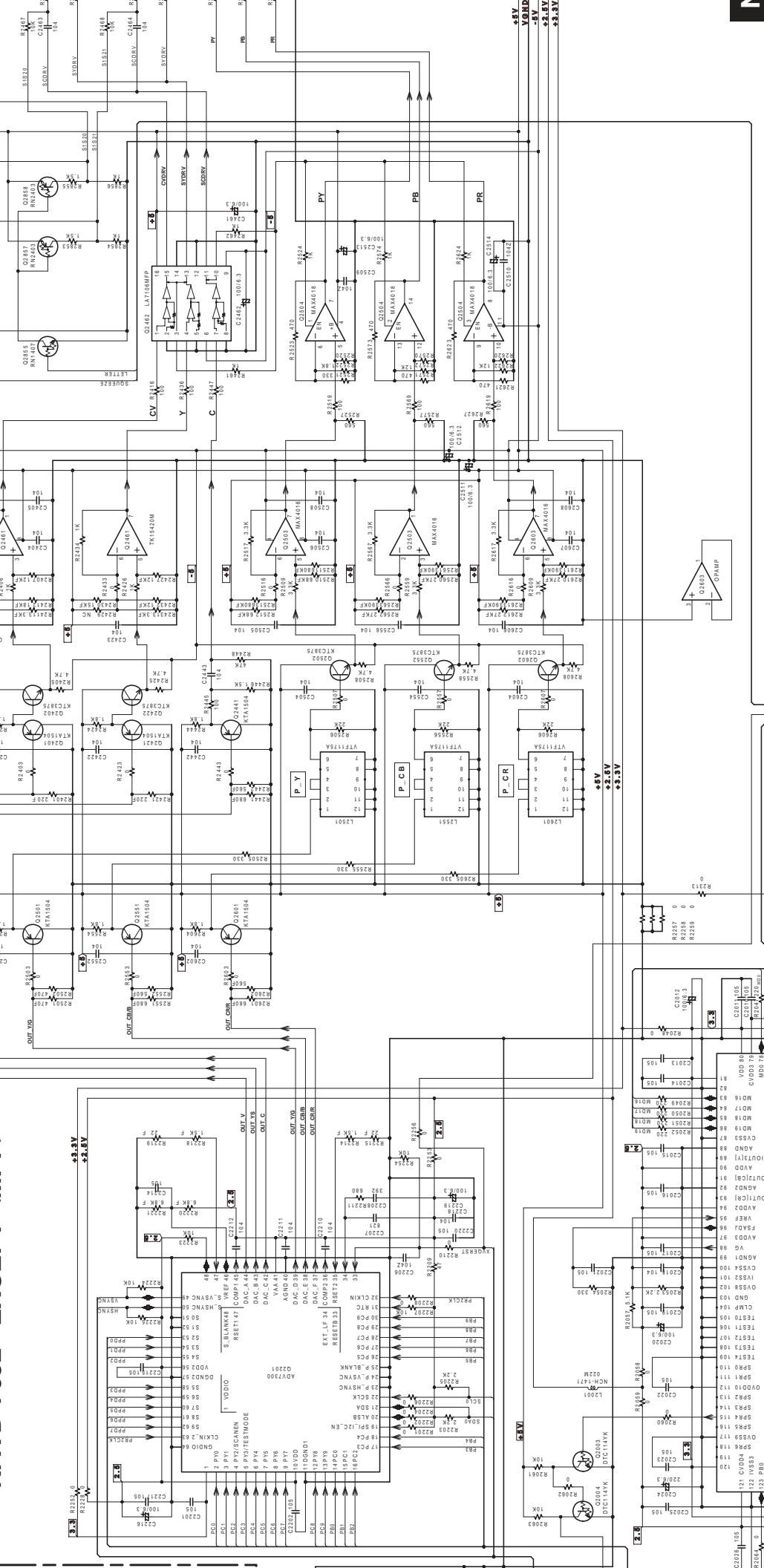
3

4

5

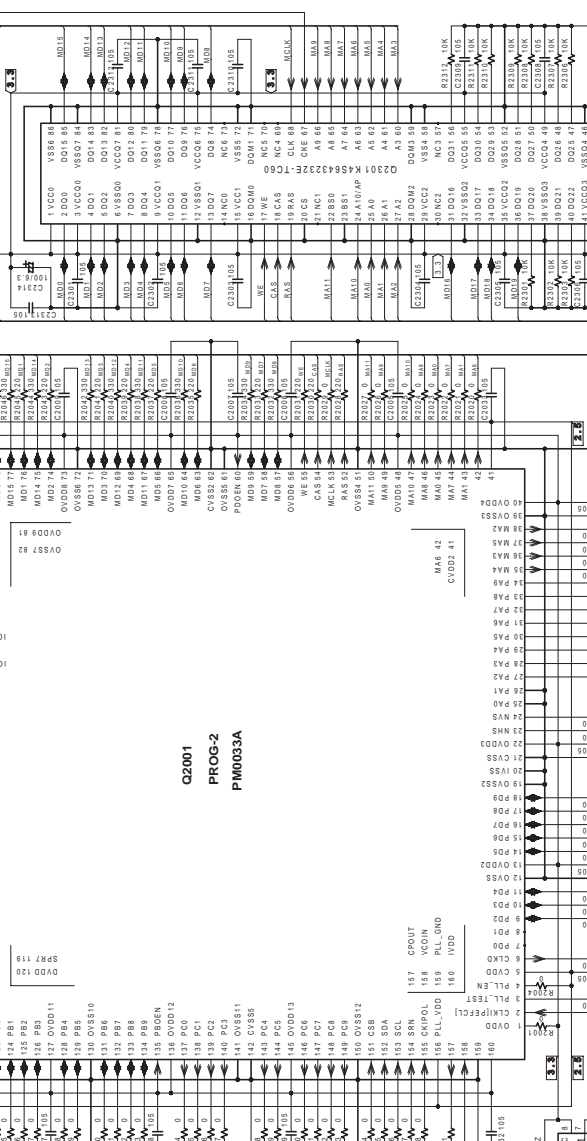
from Output terminal PC board (NAAR-7616)





NOTE

- THE COMPONENTS IDENTIFIED BY MARK ARE CRITICAL FOR SAFETY.
- REPLACE ONLY WITH PART NUMBER SPECIFIED.
- VOLTAGE MEASURED WITH IS DC VOLTAGE. (NO INPUT SIGNAL)
- ELECTROLYTIC CAPACITORS () ARE IN $\mu\text{F/WV}$.
- ALL CAPACITORS ARE IN $\text{pF}/50\text{V}$ UNLESS OTHERWISE NOTED.
- EX) 030-39F 330 \rightarrow 330pF 33V 0.033 μF
- ALL RESISTORS ARE IN OHMS 1/4WATT UNLESS OTHERWISE NOTED.
- THE THICK LINES ON PCB BOARD ARE THE PRINTING SIDE OF THE PARTS.
- EX) PRINTING SIDE
- CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.



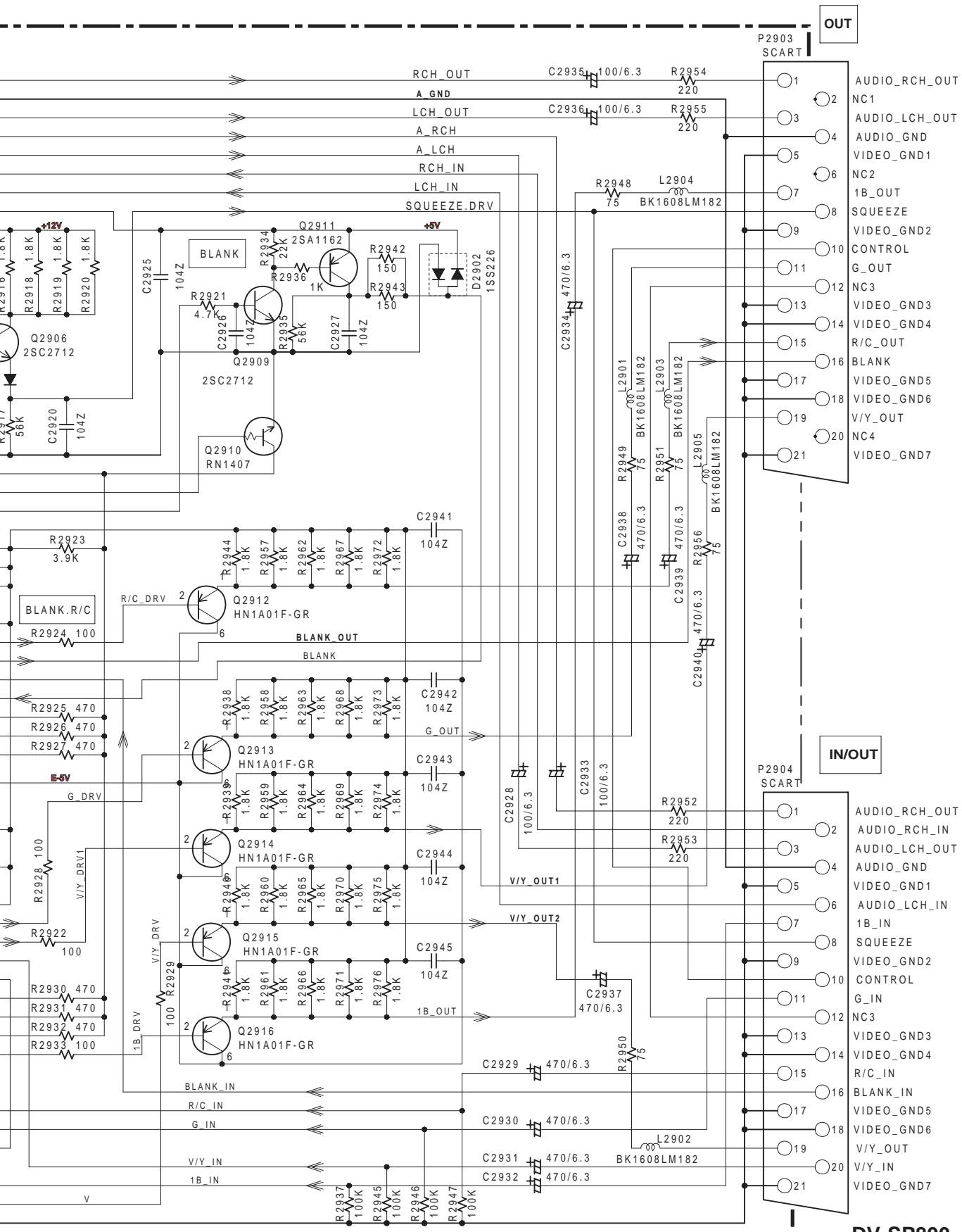
**Q2001
PROG-2
PM0030A**

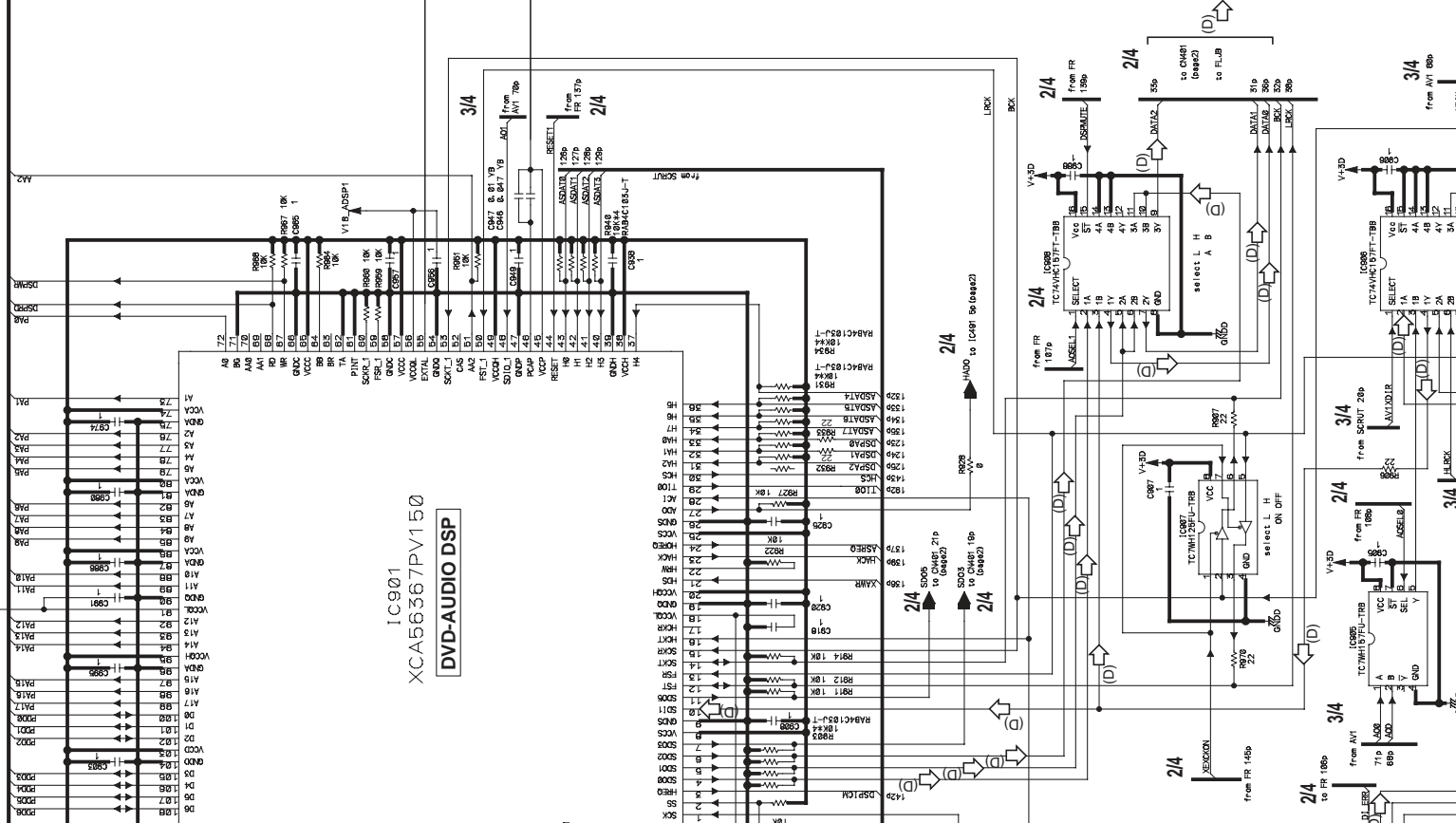
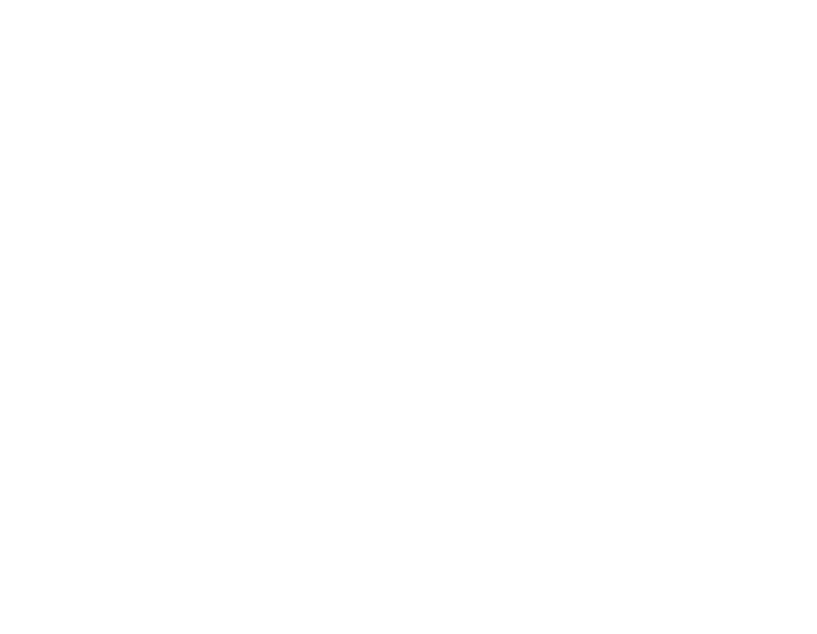
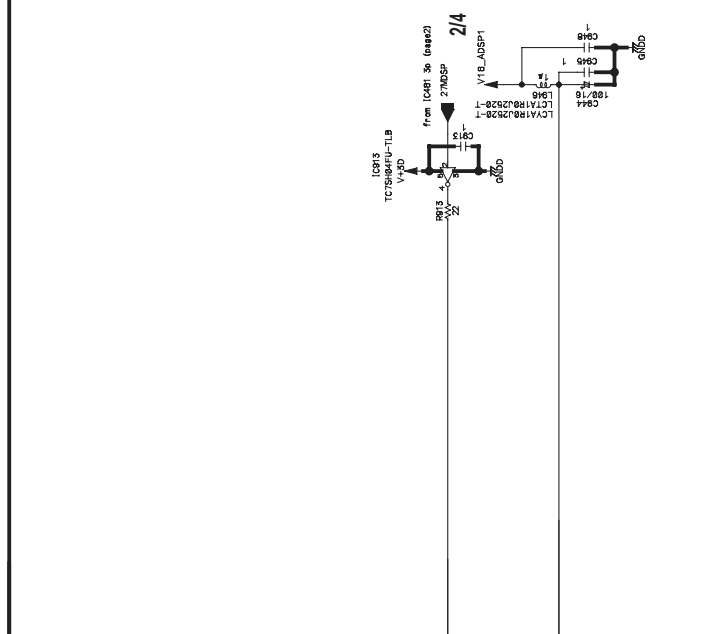
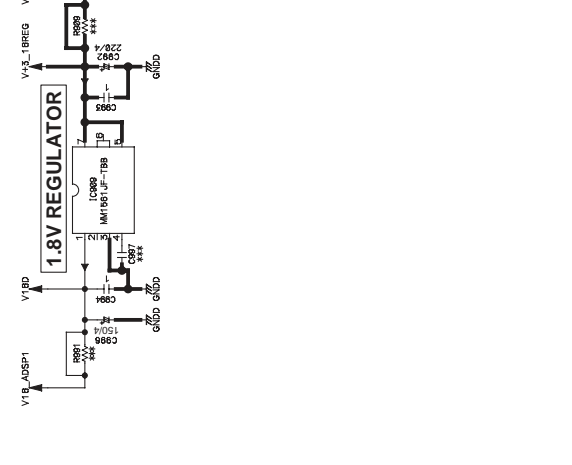
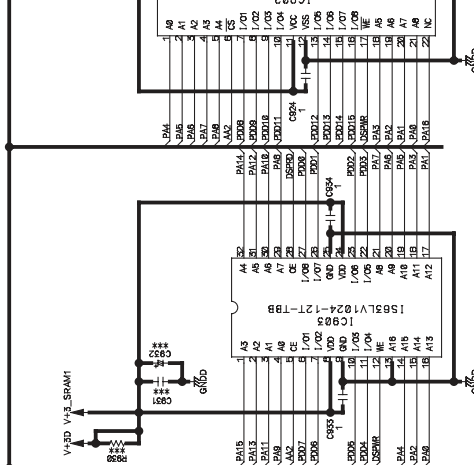
E

F

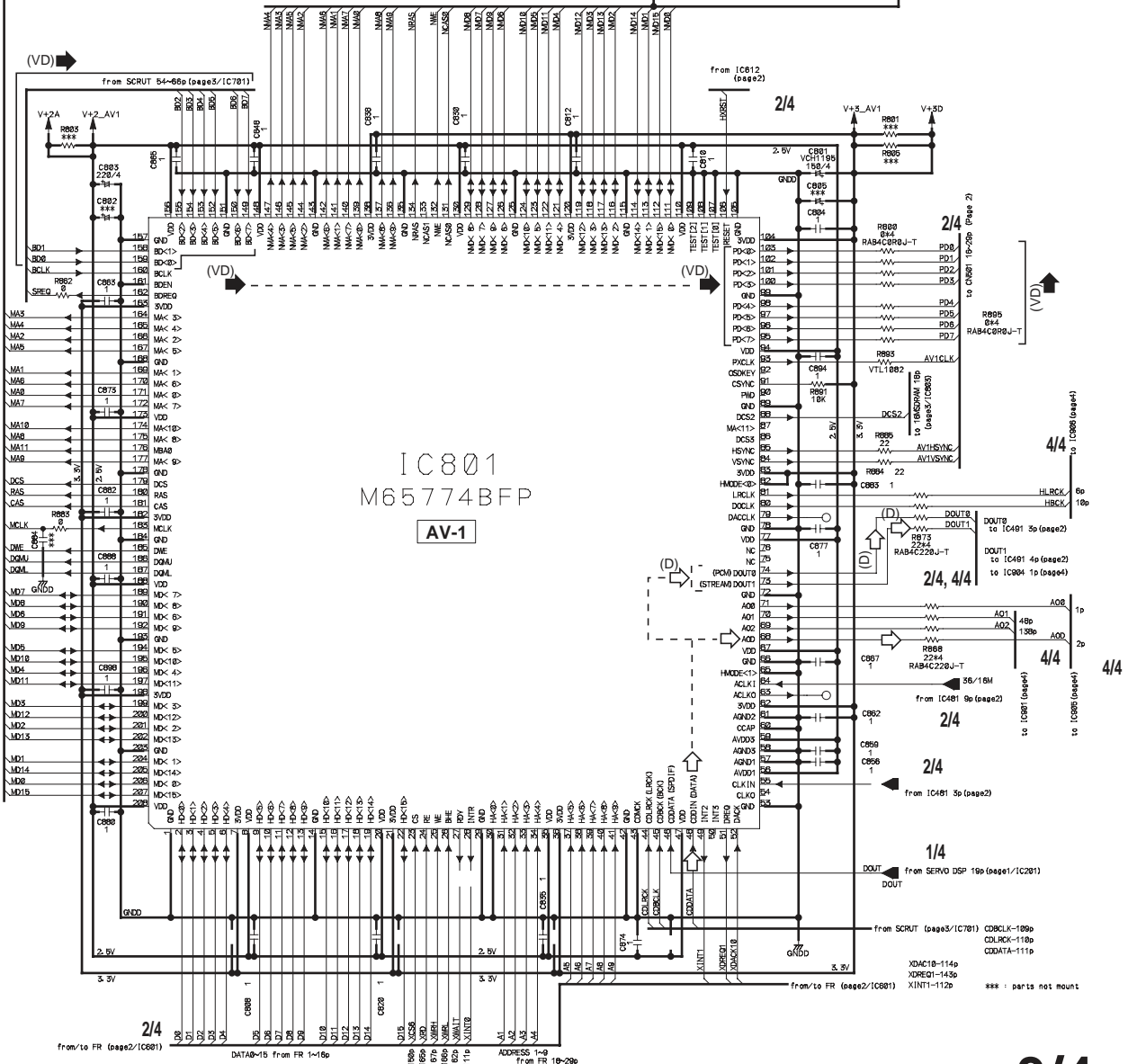
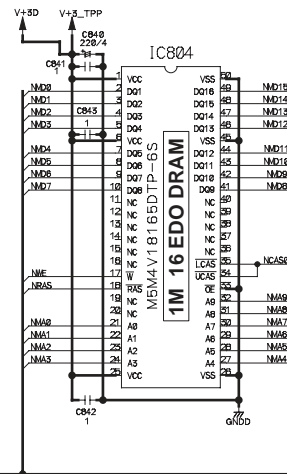
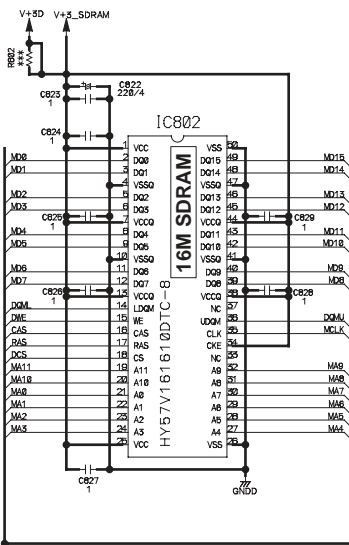
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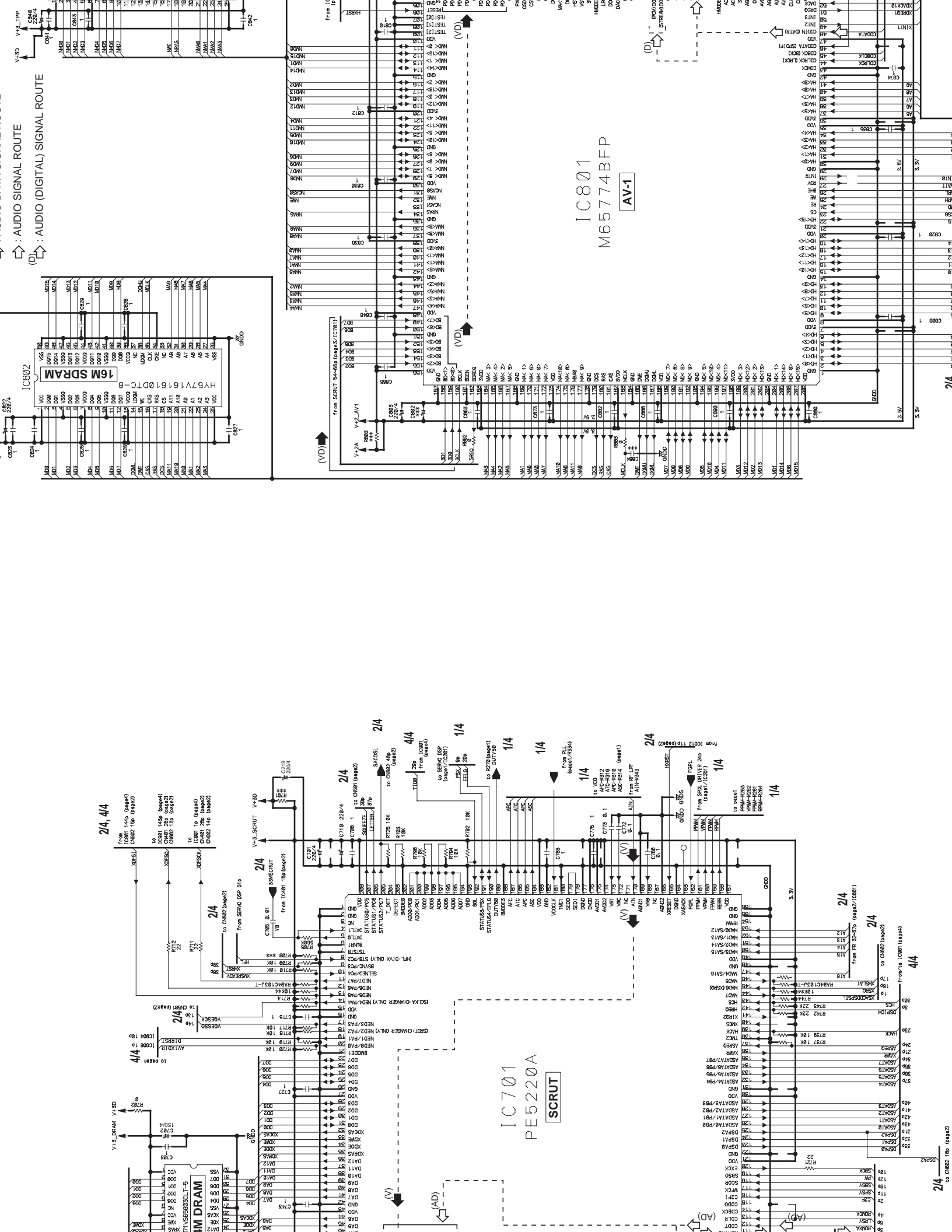
H



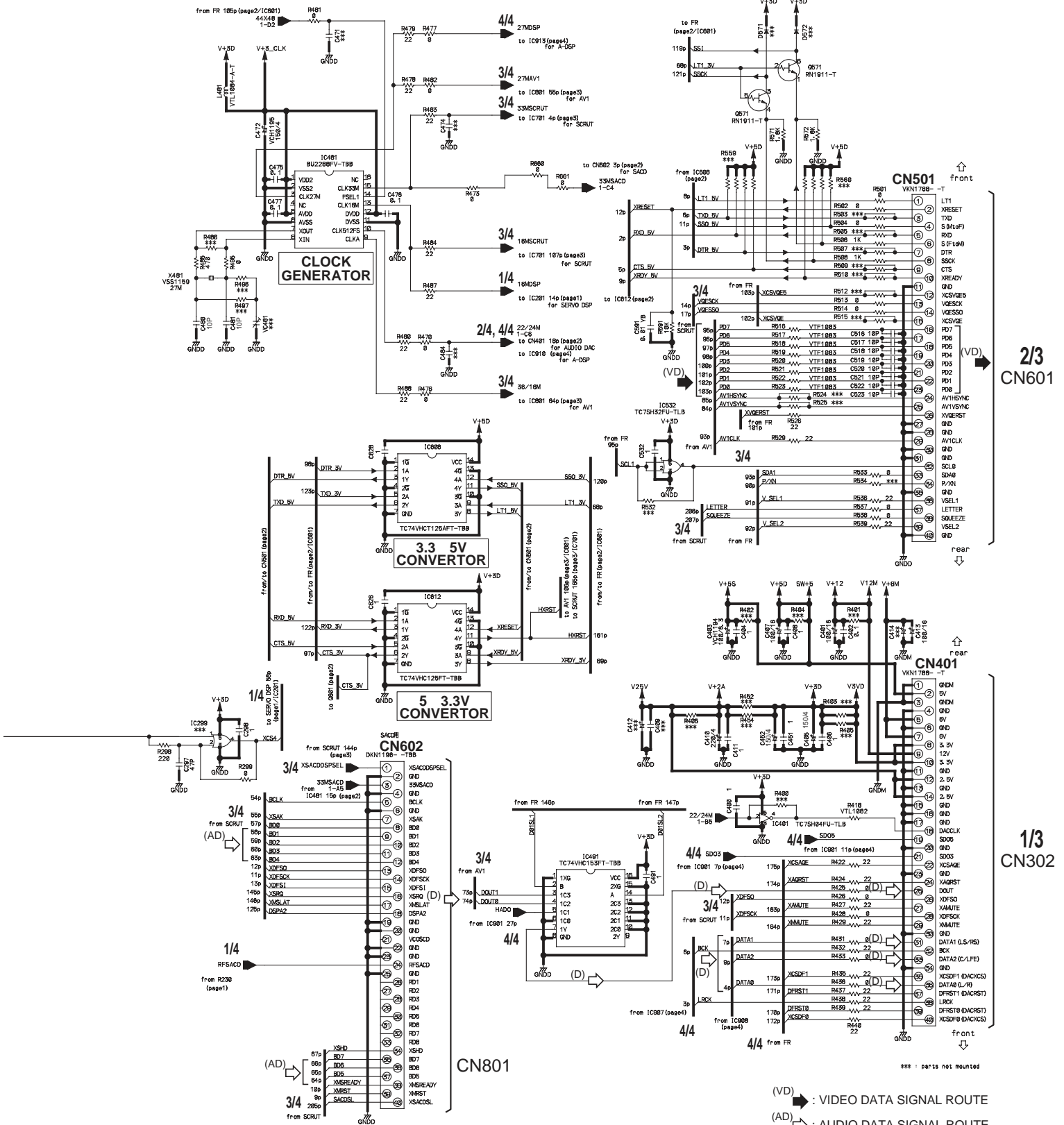


- (V) : RF (VIDEO) SIGNAL ROUTE
- (VD) : VIDEO DATA SIGNAL ROUTE
- (AD) : AUDIO DATA SIGNAL ROUTE
- : AUDIO SIGNAL ROUTE
- (D) : AUDIO (DIGITAL) SIGNAL ROUTE



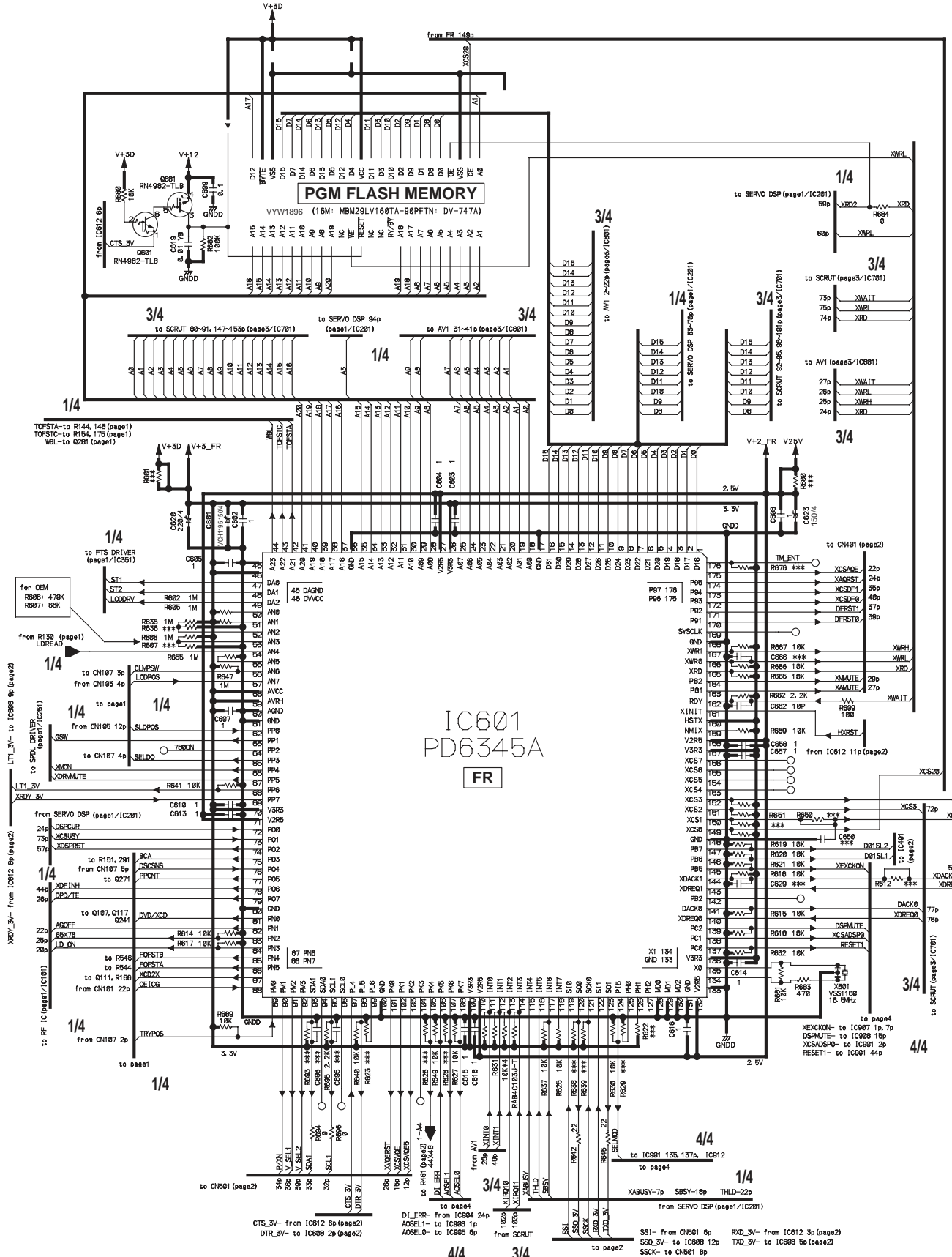


The power supply is shown with the marked box.

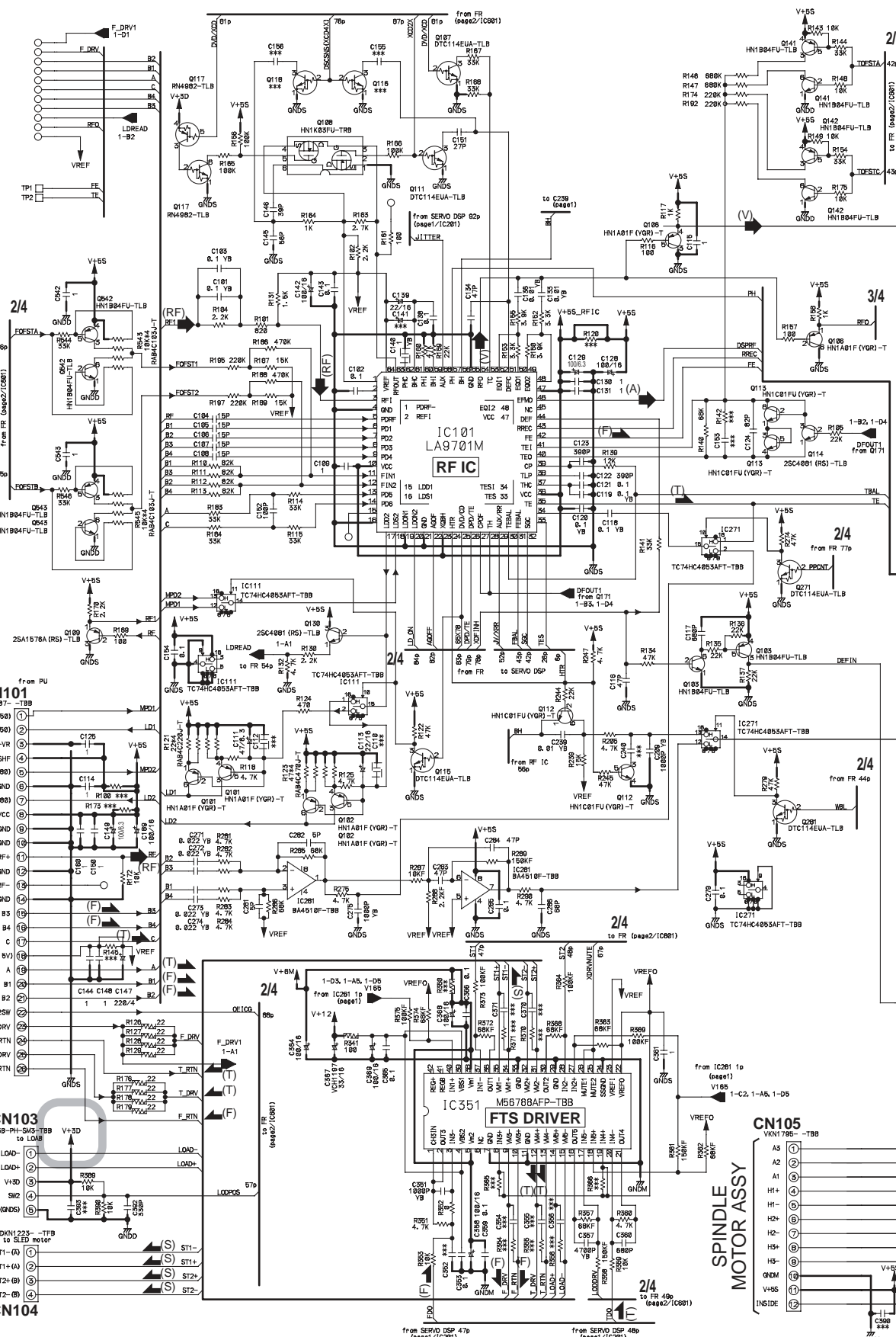


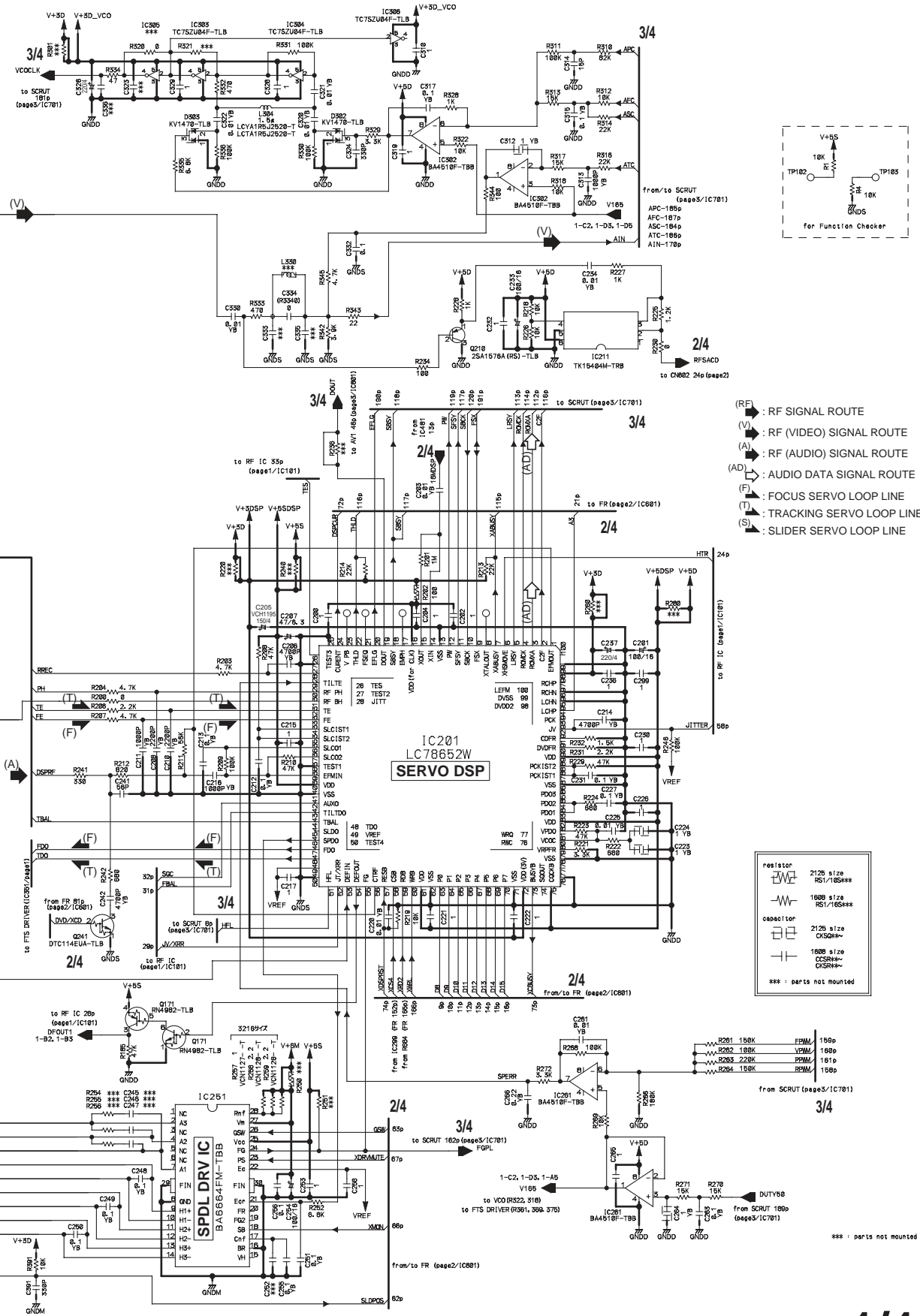
(VD) : VIDEO DATA SIGNAL ROUTE
 (AD) : AUDIO DATA SIGNAL ROUTE
 (D) : AUDIO (DIGITAL) SIGNAL ROUTE

SCHEMATIC DIAGRAM MAIN PC BOARD-2



SCHEMATIC DIAGRAM MAIN PC BOARD-1

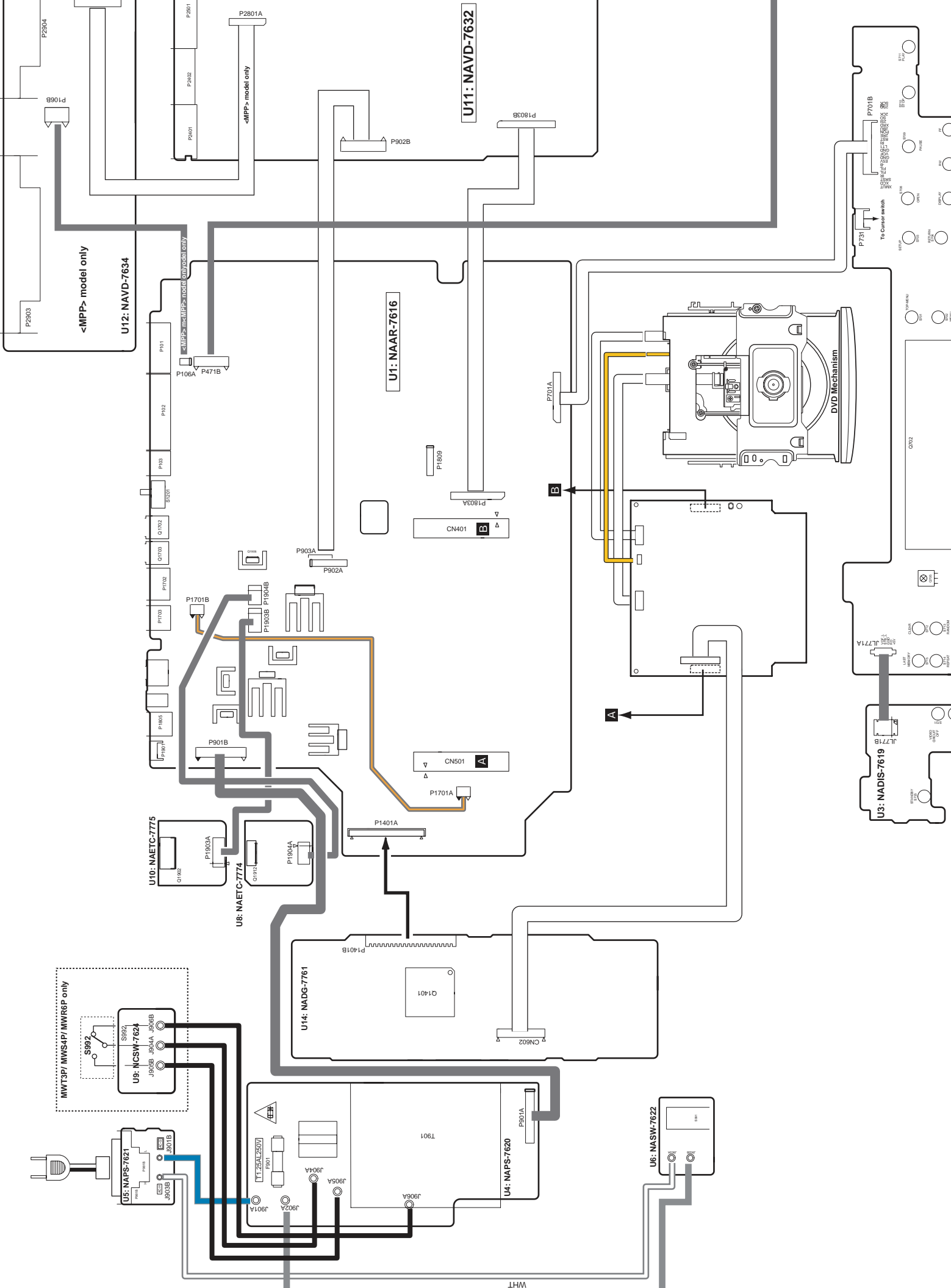




- (RF) : RF SIGNAL ROUTE
- (V) : RF (VIDEO) SIGNAL ROUTE
- (A) : RF (AUDIO) SIGNAL ROUTE
- (AD) : AUDIO DATA SIGNAL ROUTE
- (F) : FOCUS SERVO LOOP LINE
- (T) : TRACKING SERVO LOOP LINE
- (S) : SLIDER SERVO LOOP LINE

resistor	2126 size	2126
	RS1/105***	
	1609 size	1609
	RS1/105***	
capacitor	2126 size	2126
	CKS04**	
	1609 size	1609
	CKS04**	

*** : parts not mounted



<MPP> model only

U12: NAVD-7634

U1: NAAR-7616

U11: NAVD-7632

U14: NADG-7761

U3: NADIS-7619

U4: NAPS-7620

U5: NAPS-7621

U9: NCSW-7624

U7: NCSW-7624

U6: NCSW-7624

MVT3P/ MWS4P/ MWR6P only

DVD Mechanism

To Control Switch

A B C D

PRINTED CIRCUIT BOARD VIEW
MAIN CIRCUIT PC BOARD DB-VPB308

1

SIDE B

SPINDLE MOTOR

STEPPING MOTOR (CARRIAGE)

PICKUP ASSY

CN601

2

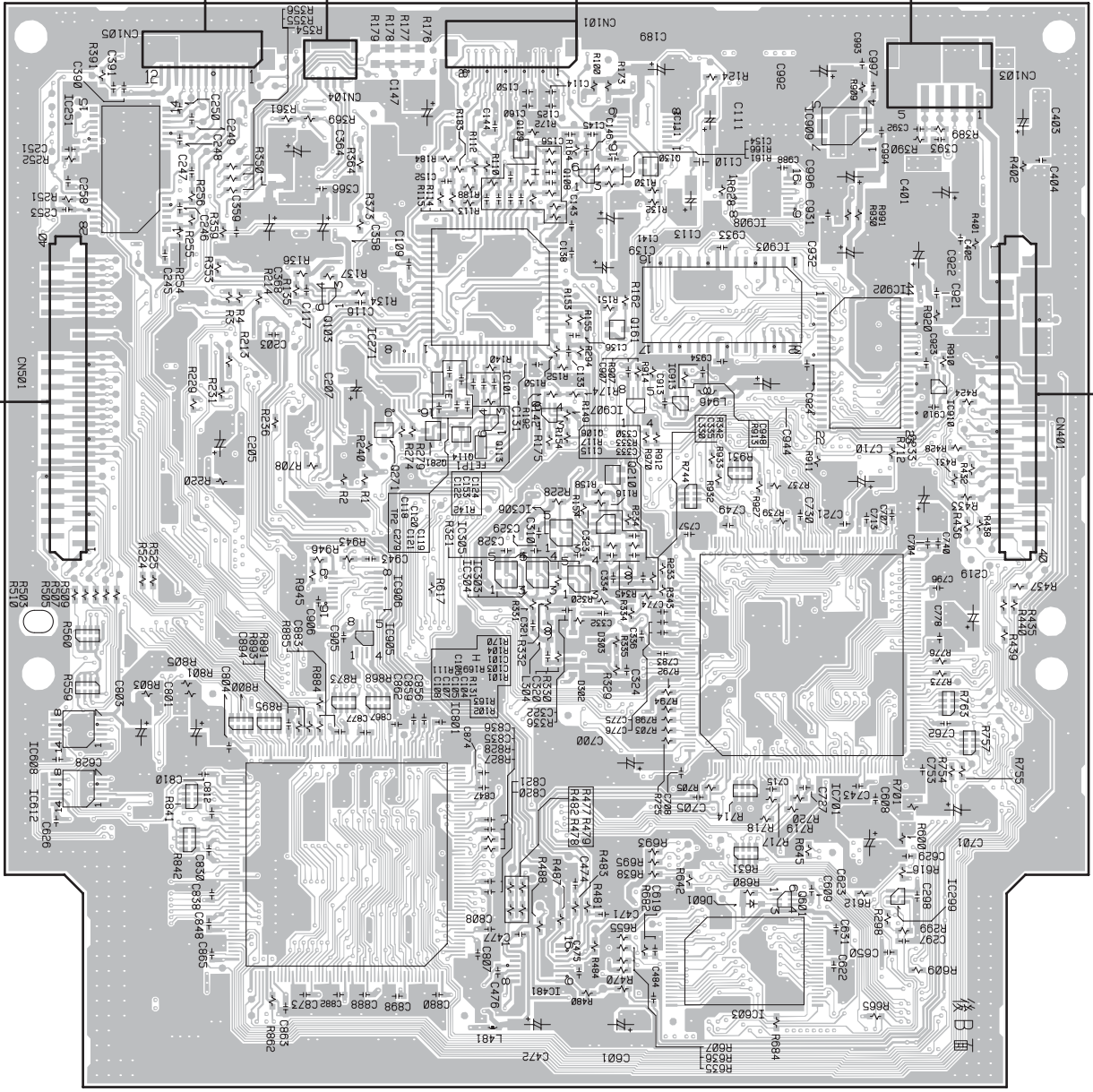
CN601

CN302

3

4

5



- IC251
- IC608
- IC612
- Q103
- IC905
- IC801
- IC271
- Q281
- IC101
- Q113
- IC306
- Q210
- Q106
- IC304
- IC303
- IC305
- Q109
- Q142
- Q161
- IC913
- IC907
- IC603
- IC903
- Q601
- IC701
- IC902
- IC910
- IC299

後面

A

B

C

D

PRINTED CIRCUIT BOARD VIEW
MAIN CIRCUIT PC BOARD DV-VPB308

SIDE A

1

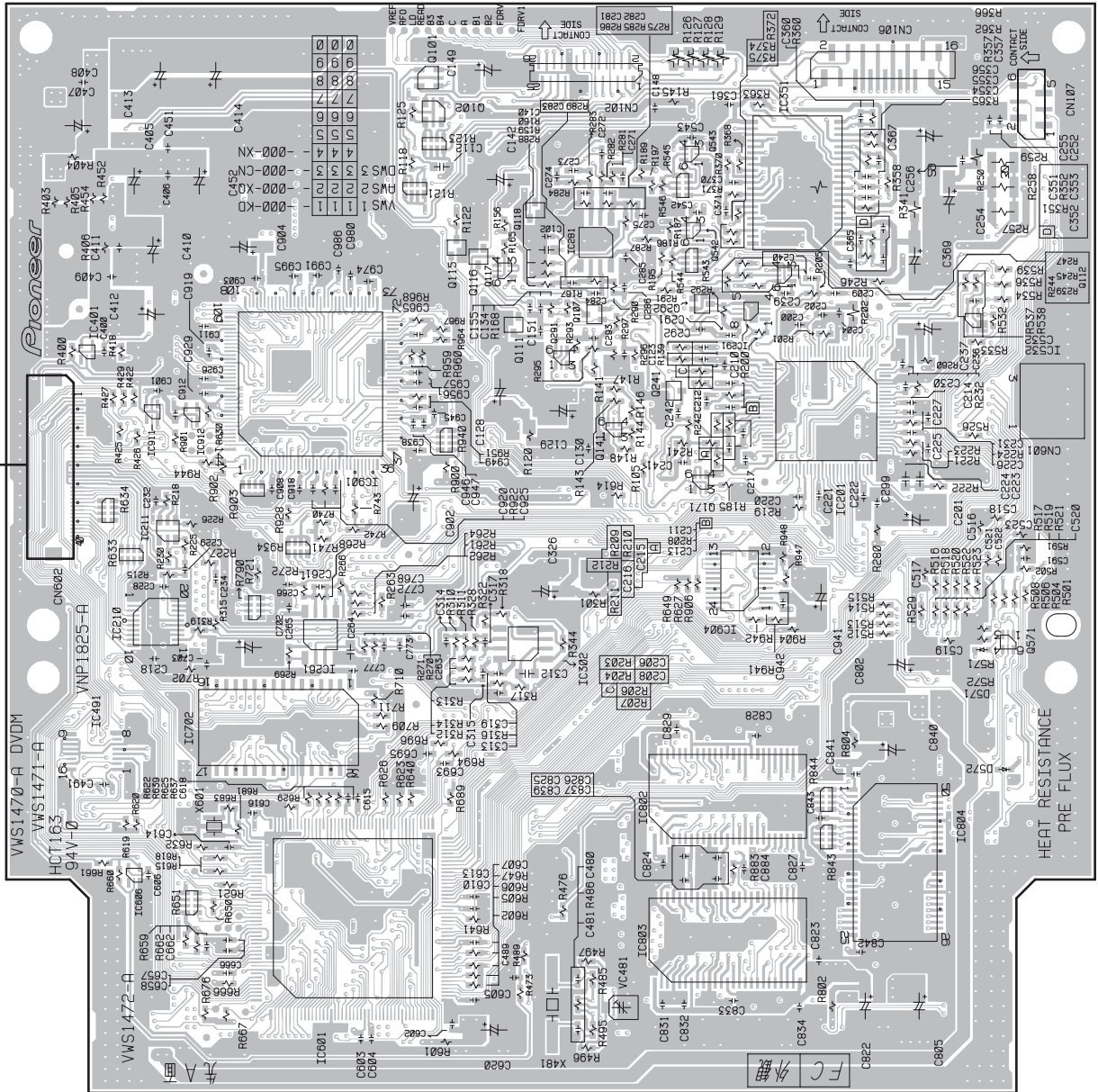
2

3

4

5

↑ CN801



IC401	IC911	IC912	IC901	Q101	Q118	IC281	Q543	IC351	IC532
IC211	IC210	IC702	IC261	Q102	Q116	Q107	Q542	IC112	Q571
IC491	IC606	IC601	IC601	Q115	Q117	Q291	Q292	IC291	
				IC302	Q141	Q241	IC904	IC804	
							IC802		
							IC803		

A

B

C

D

PRINTED CIRCUIT VIEW
From soldering side view

U2: Display circuit PC board NADIS-7618

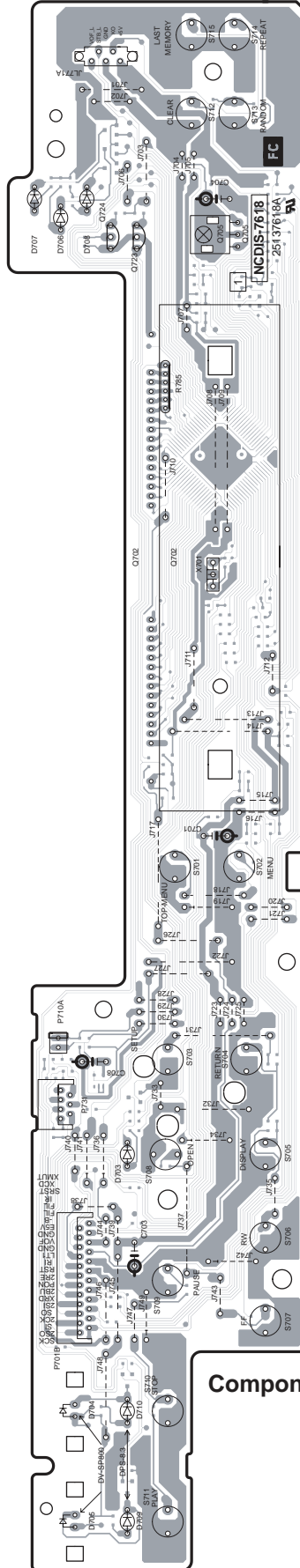
1

2

3

4

5



Component side

A

B

C

D

PRINTED CIRCUIT VIEW
From soldering side view

U2: Display circuit PC board NADIS-7618

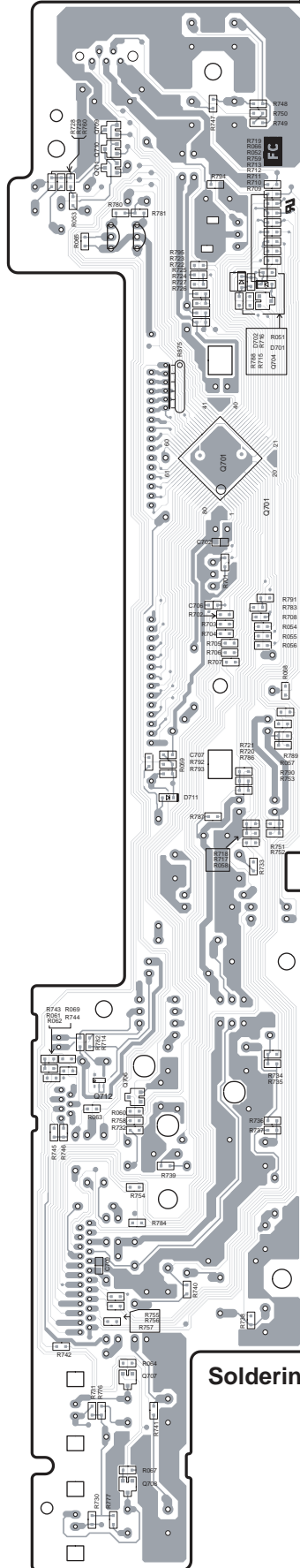
1

2

3

4

5



Soldering side

A

B

C

D

PRINTED CIRCUIT BOARD VIEW

U12: SCART TERMINAL PC BOARD <MPP> only

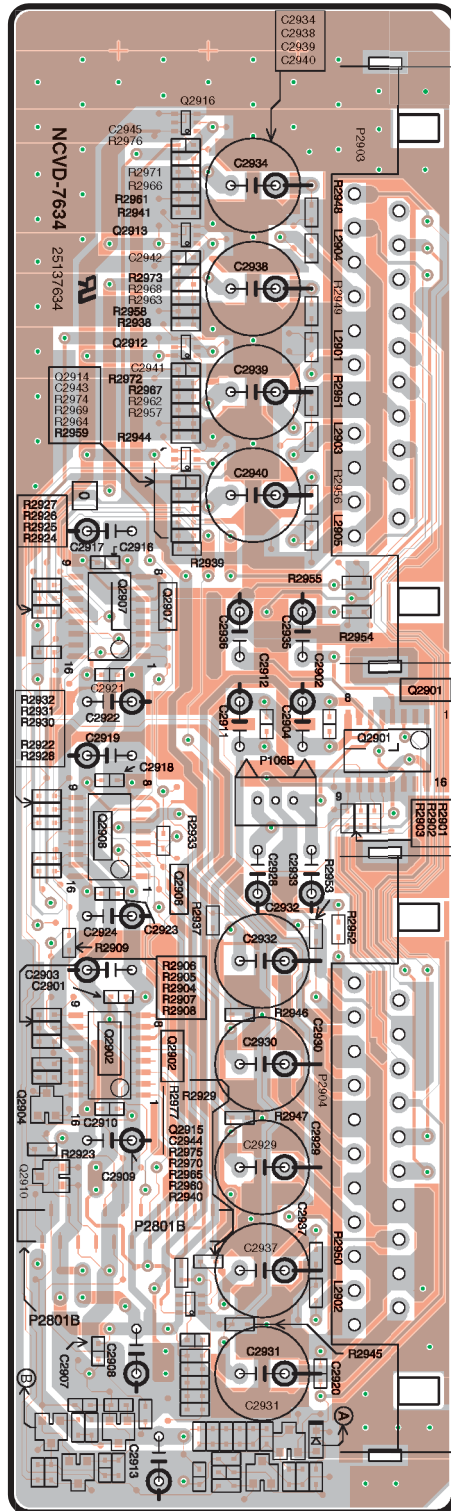
1

2

3

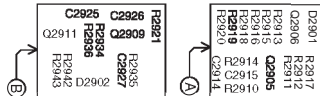
4

5



Component side pattern
Soldering side pattern

Component side view



A

B

C

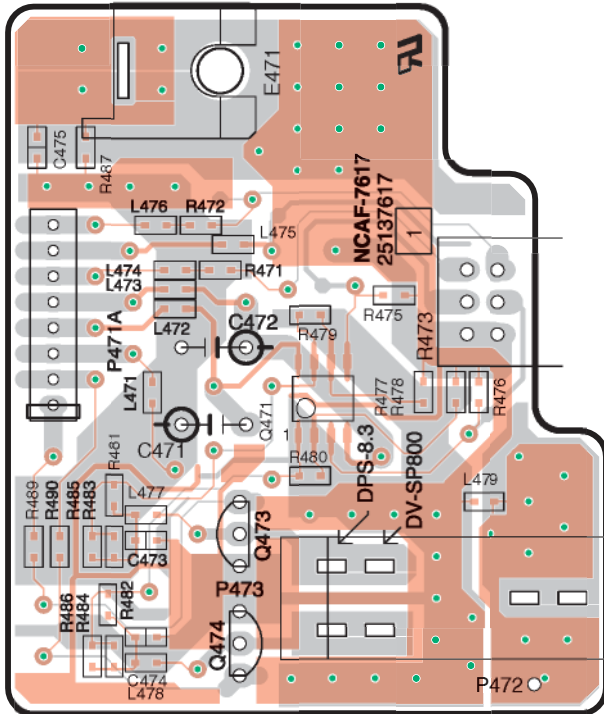
D

PRINTED CIRCUIT VIEW

U14: SACD CIRCUIT PC BOARD
NADG-7761

1

U13: HEADPHONE TERMINAL PC BOARD
NAAF-7617



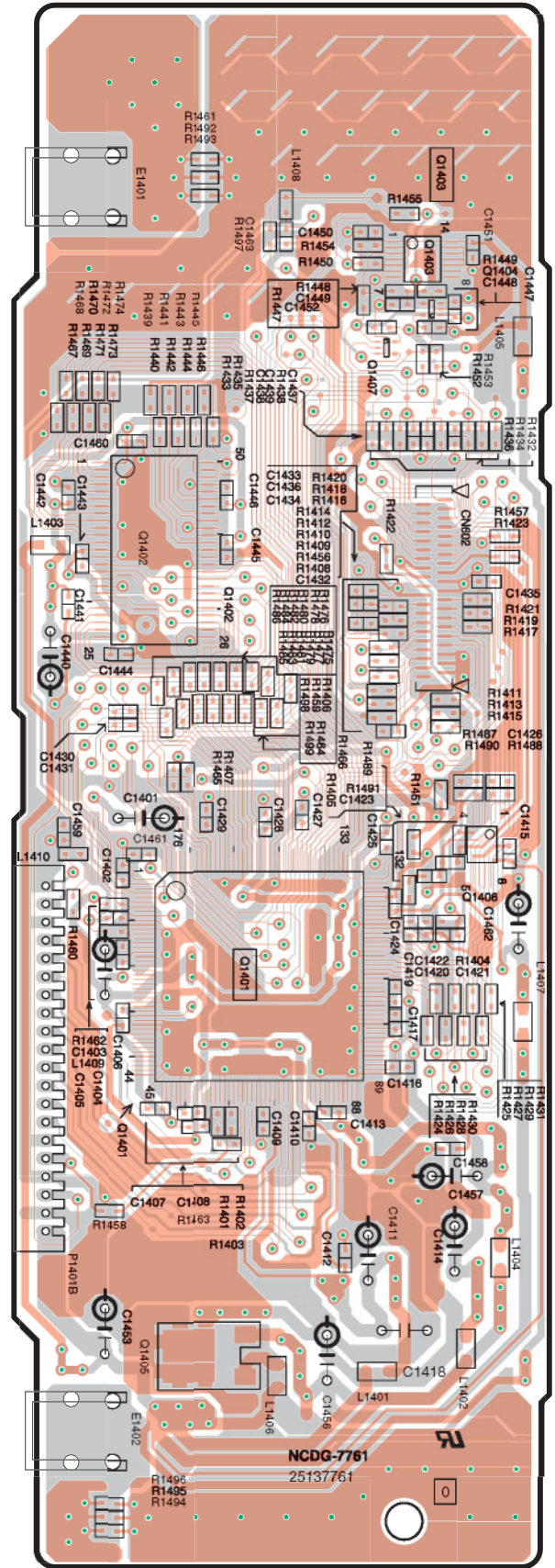
Component side view

Orange : Component side pattern
Grey : Soldering side pattern

3

4

5



Component side view

A

B

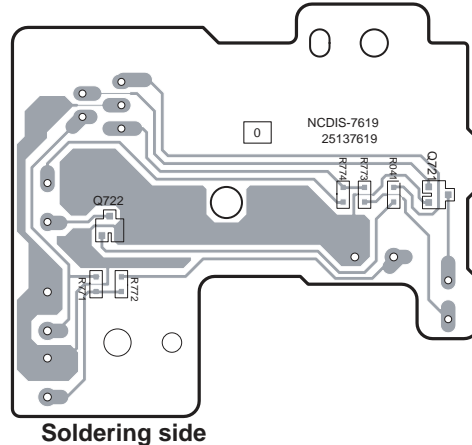
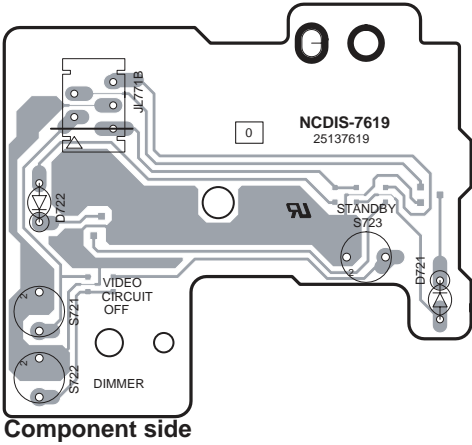
C

D

PRINTED CIRCUIT BOARD VIEW
From Soldering side view

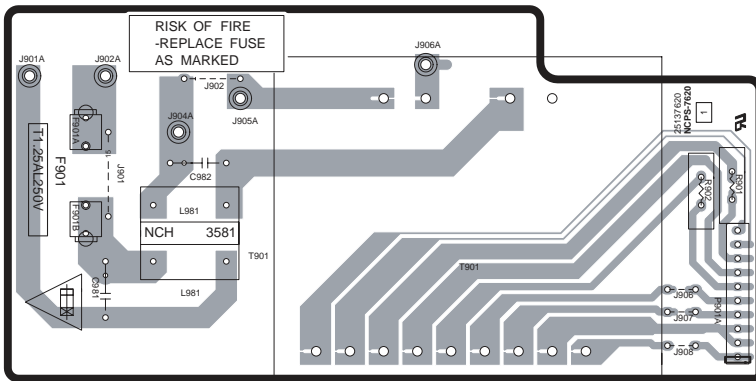
1

U3: STANDBY LED PC BOARD NADIS-7619

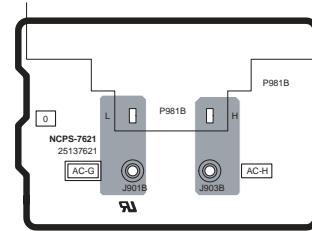


2

U4: POWER TRANSFORMER PC BOARD NAPS-7620



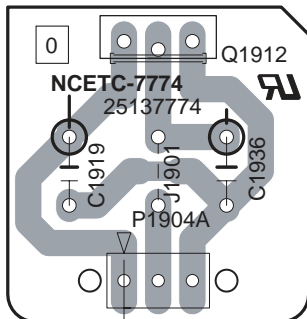
U5: INLET TERMINAL PC BOARD NAPS-7621



3

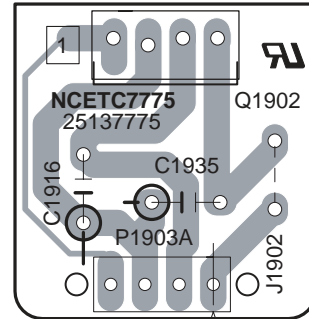
4

U8: REGULATOR_1 PC BOARD NAETC-7774



5

U10: REGULATOR_2 PC BOARD NAETC-7775



A

B

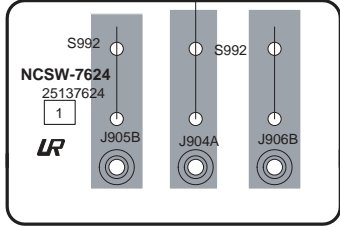
C

D

PRINTED CIRCUIT BOARD VIEW
From Sodering side view

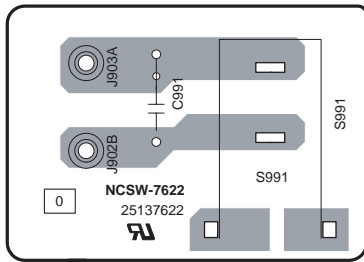
1

U9: VOLTAGE SELECTOR PC BOARD
NASW-7624 <MWS, MWR, MPS> only



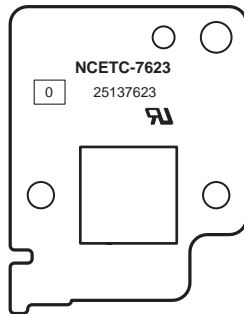
2

U6: POWER SWITCH PC BOARD
NASW-7622



3

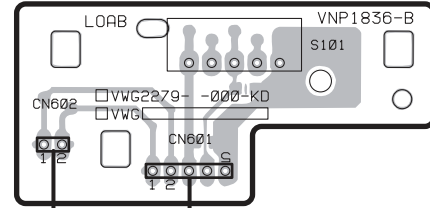
U7: SUPPORT PC BOARD



4

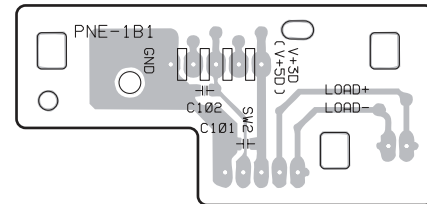
5

LOAD ASSY (DVD MECHANISM)



LOADING
MOTOR
ASSY

SIDE A



SIDE B

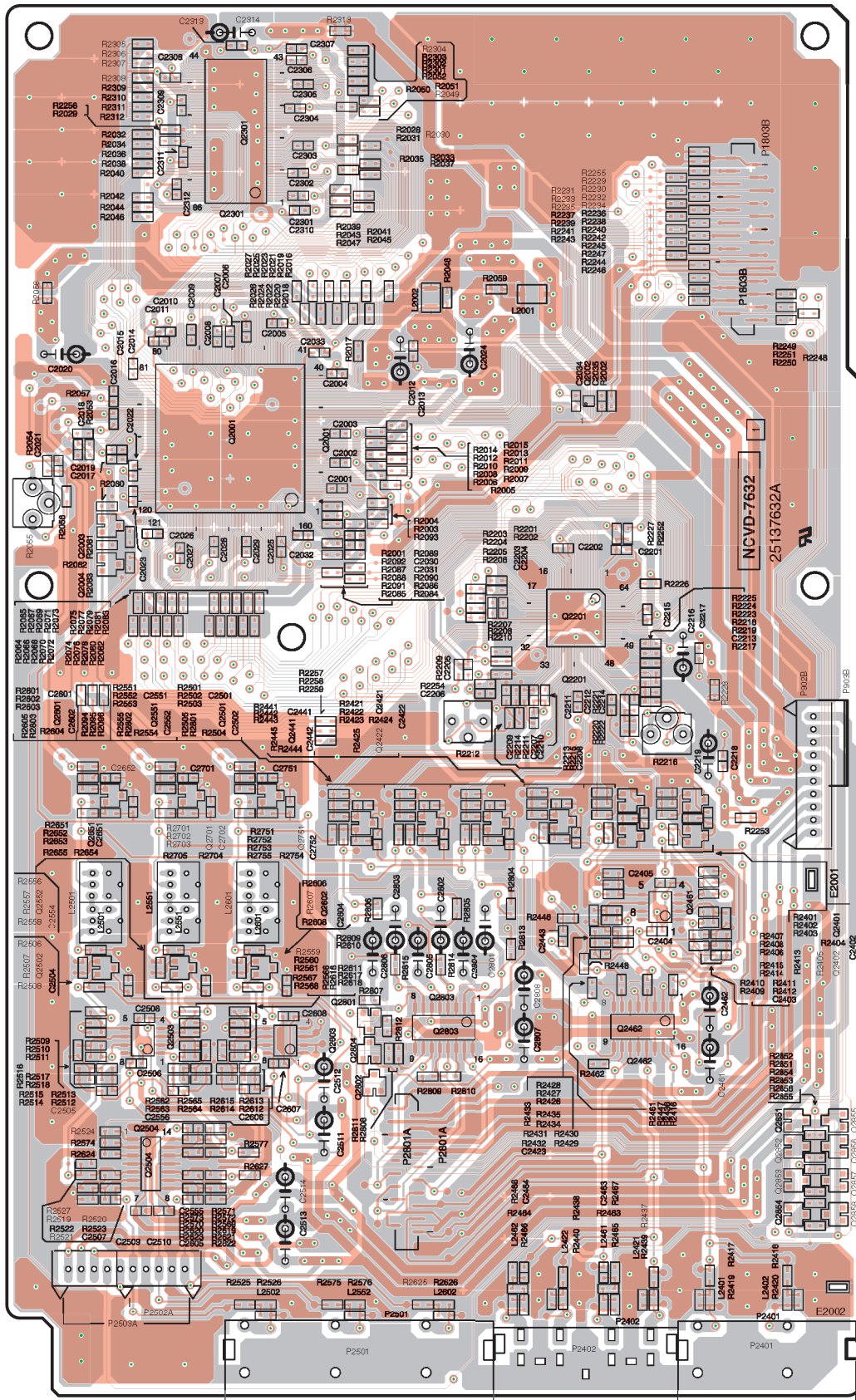
A B C D

PRINTED CIRCUIT BOARD VIEW

U11: VIDEO CIRCUIT PC BOARD
NAVD-7632

Component side pattern
Soldering side pattern

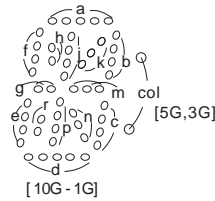
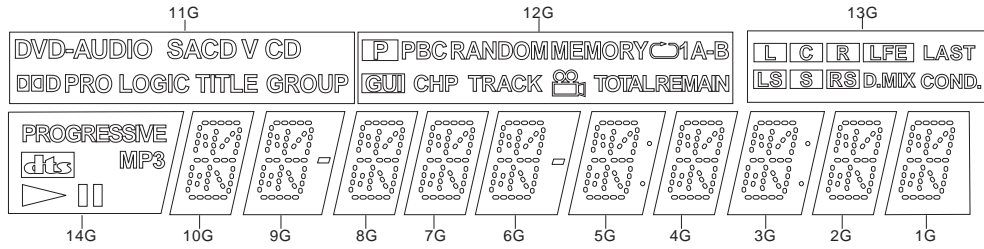
1
2
3
4
5



Component side view

FL TUBE VIEW

Pin connection



PIN CONNECTION

48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1		
F	N	N	N	P	P	P	P	P	P	P	P	P	P	P	P	P	N	N	N	N	N	N	N	N	N	N	N	N	N	14	13	12	11	10	9	8	7	6	5	4	3	2	1	N	N	N	N	F	
2	X	X	P	P	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	X	X	X	X	X	X	X	X	X	X	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	P	X	X

ANODE CONNECTION

	1G	2G	3G	4G	5G	6G	7G	8G	9G	10G	11G	12G	13G	14G
P1	a	a	a	a	a	a	a	a	a	a	GROUP	REMAIN	L	-
P2	h	h	h	h	h	h	h	h	h	h	TITLE	TOTAL	C	-
P3	l	j	j	j	j	j	j	j	j	j	PRO LOGIC	∞	R	-
P4	k	k	k	k	k	k	k	k	k	k	D	TRACK	LS	-
P5	b	b	b	b	b	b	b	b	b	b	DD	CHP	S	-
P6	f	f	f	f	f	f	f	f	f	f	CD	GUI	RS	-
P7	m	m	m	m	m	m	m	m	m	m	V	- B	LFE	-
P8	g	g	g	g	g	g	g	g	g	g	SACD	A	D.MIX	-
P9	c	c	c	c	c	c	c	c	c	c	AUDIO	1	LAST	-
P10	e	e	e	e	e	e	e	e	e	e	DVD	↻	COND	-
P11	r	r	e	r	r	r	r	r	r	r	-	MEMORY	-	PROGRESSIVE
P12	p	p	p	p	p	p	p	p	p	p	-	RANDOM	-	dts
P13	n	n	n	n	n	n	n	n	n	n	-	PBC	-	MP3
P14	d	d	d	d	d	d	d	d	d	d	-	P	-	▶
P15	-	-	col	-	col	▭	-	-	▭	-	-	-	-	▭▭

Disassembly of the Traverse Mechanism Assy-1

- ① Remove the top cover and Tray Panel.
- ② Remove the Tray panel and Front Panel.
- ③ Remove the Bridge (Screw 1).
- ④ Pull out the Tray and remove it while unhooking a Hook.
- ⑤ Turn the Short SW to Short side.
- ⑥ Remove three connectors.

• Rear View

Short ↔ Open

DVD main PCB side

Short SW

Caution in the tray insertion

In the Tray insertion, insert it after matching a triangle mark of the Loading Base and a position of pin of the Drive Cam.

Triangle mark

Loading Base

Pin

Drive Cam

- ⑦ Remove the Loading Mechanism Assy (Screws 4).
- ⑧ Remove a screw.

Cautions:
Screw is locked with Silicone Adhesive.
Please lock it with Silicone Adhesive when installs it.

- ⑨ Remove the FFC Holder with the state which Flexible Cable was attached.

Traverse Mechanism Assy

FFC Holder

• Bottom View

Pickup assy

• When Removing The Traverse Mechanism Assy

- ⑩ Remove the Pickup Flexible Cable
- ⑪ Unhook (4)
- ⑫ Remove the Traverse Mechanism Assy

Traverse Mechanism Assy

Exchange

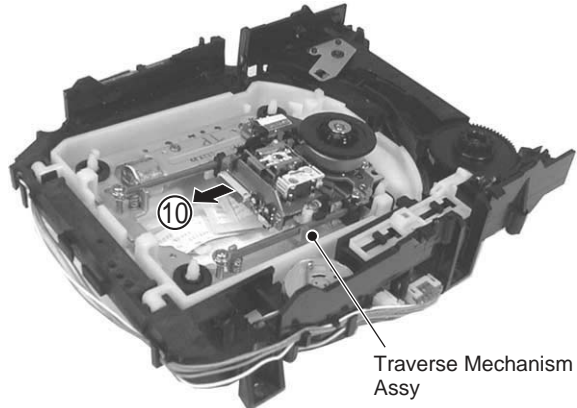
Next

Disassembly of the Traverse Mechanism Assy-2



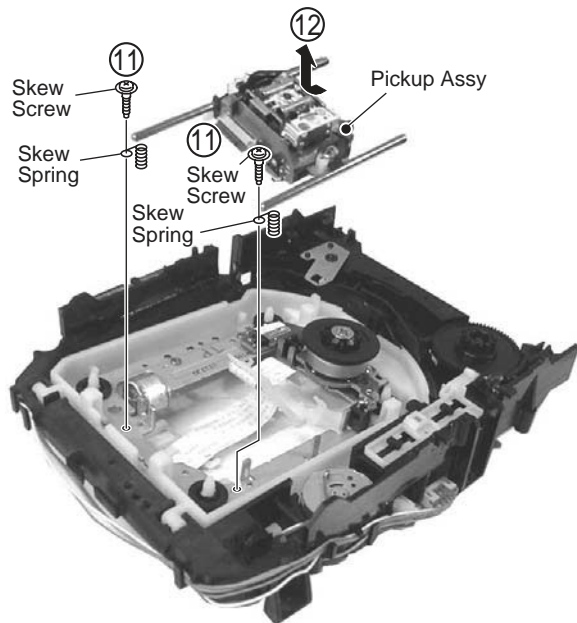
● When Removing The Pickup Assy

- ⑩ Remove the Pickup Flexible Cable.



- ⑪ Remove two Skew Screws and two Skew Springs.

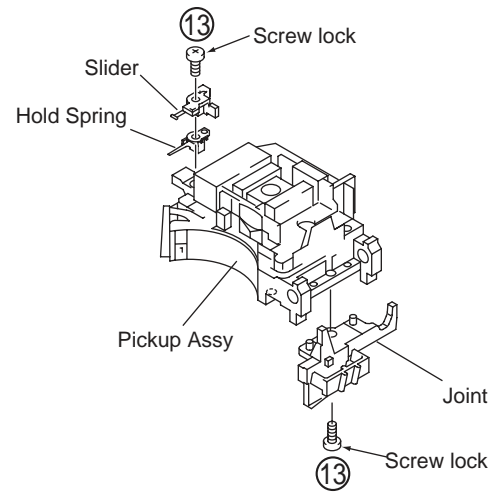
- ⑫ Remove the Pickup Assy.



- ⑬ Remove two screws.

Cautions:

Screw is locked with Screw Lock.
Please lock it with Screw Lock when installs it.

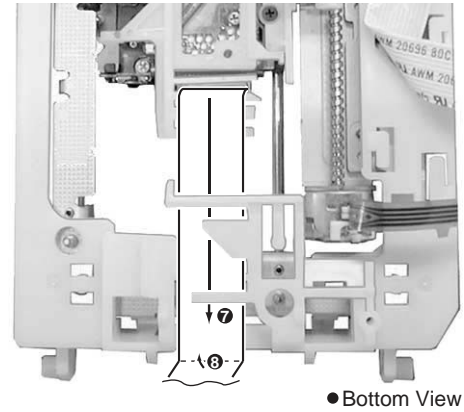
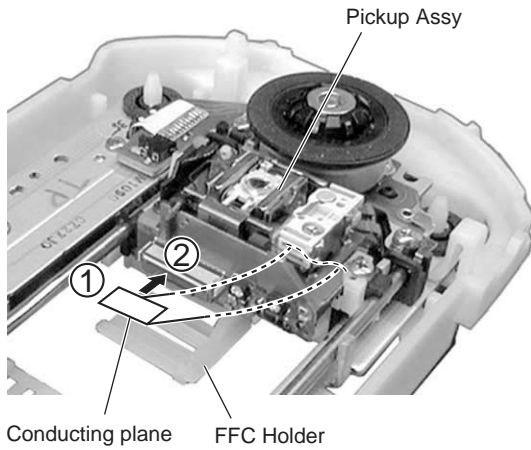


Exchange

Disassembly of the Traverse Mechanism Assy-3

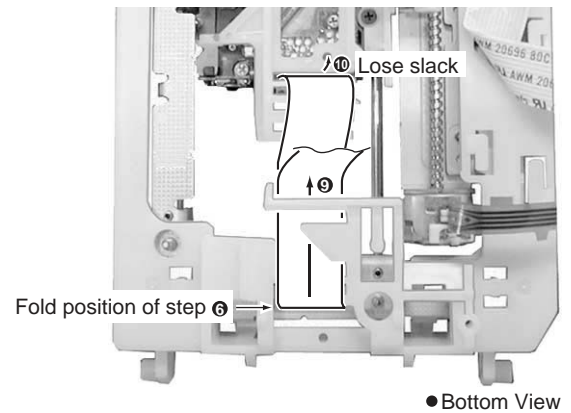
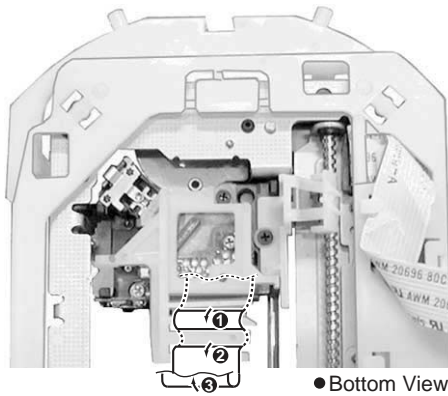
☞ Styling the Pickup Flexible Cable

- ① Fold a edge of lining part of the Pickup Flexible Cable.
- ② Insert the Pickup Flexible Cable in connector, and lock it surely.

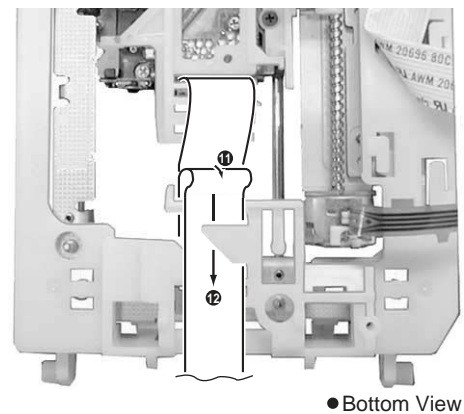
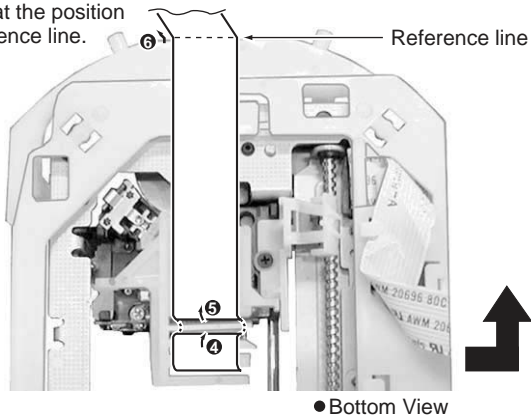


Caution:
Move the Pickup to the innermost of the disc.

- ③ Perform the styling as shown in figure below.



Fold it at the position of reference line.



ADJUSTMENT PROCEDURES-1

ADJUSTMENT OF DVD MECHANISM-1

1. Adjustment items and location

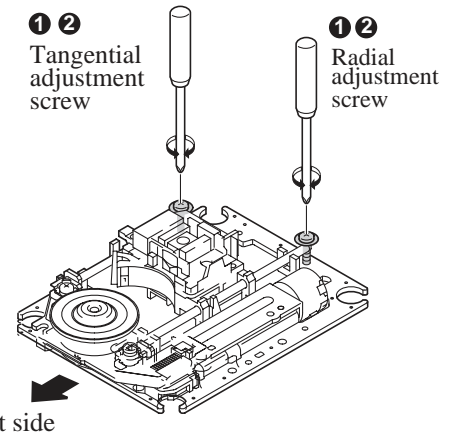
- ① Tangential and Radial Height Coarse Adjustment
- ② DVD Jitter Adjustment
- ③ How to initialize the Focus Sweep Setting

[Electrical Part]

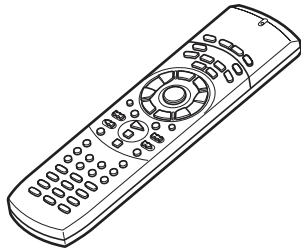
Electrical adjustments are not required.

Adjustment Points (Mechanism Part)

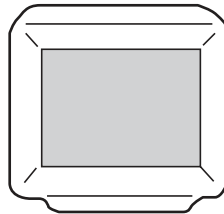
Cautions: After adjustment, lock all adjusted screws with screw tightening agent.



2. JIGs and measuring equipment



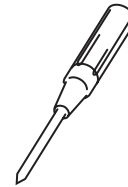
Remote controller
RC-484M
Part No. 24140484



TV monitor



DVD test disc
(GGV1025)



⊕ Screw driver (medium)



⊕ Precise screw driver

3. Necessary adjustment points

When Exchange Parts of Mechanism Assy Parts

Pickup



Mechanical point ① ②* ③ After adjustment, screw locks with the Screw tight.

Electric point _____

Traverse Mechanism



Mechanical point ③ After adjustment, screw locks with the Screw tight.

Electric point _____

Spindle Motor



Mechanical point ②* ③ After adjustment, screw locks with the Screw tight.

Electric point _____

Exchange of PCB Assy

Exchange PC Board
SSIB, LOAB, DVDM ASSY



Mechanical point _____ After adjustment, screw locks with the Screw tight.

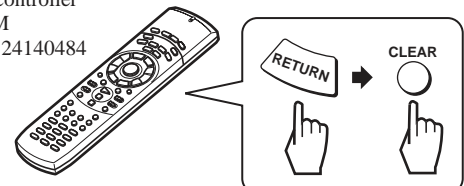
Electric point _____

* Purpose: To adjust individual Traverse Mechanism to it best sweep.

When you replace Pickup, Traverse Mechanism or Spindle Motor press RETURN and then press CLEAR at the last stage.

(It is necessary when you performed procedure ② adjustment.)

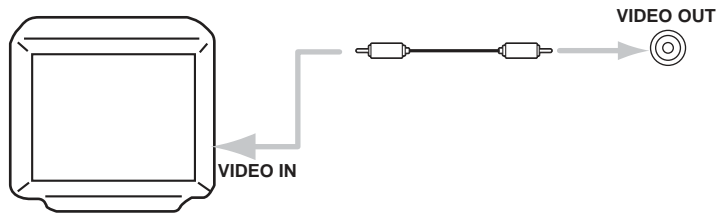
Remote controller
RC-484M
Part No. 24140484



ADJUSTMENT PROCEDURES-2

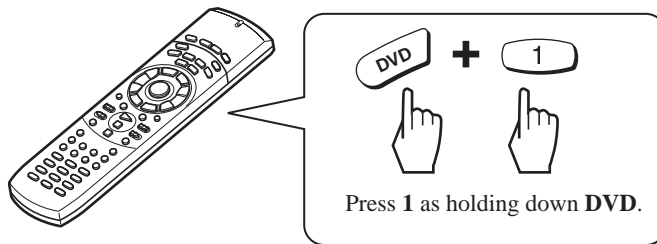
ADJUSTMENT OF DVD MECHANISM-2

A. Connection



B. Test mode

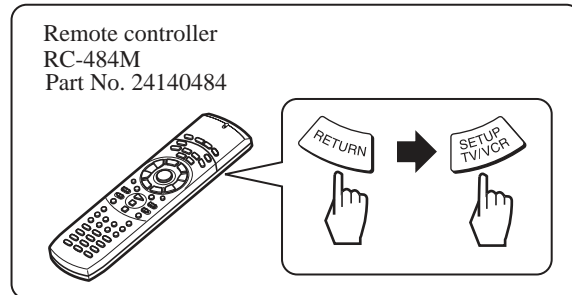
SETTING THE REMOTE CONTROLLER



C: TEST MODE: ON

STANDBY \odot switch is ON.

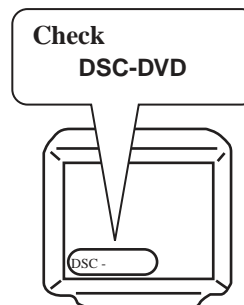
Press "RETURN" and "SETUP TV/VCR" button of the remotecontroller (RC-484M)



D: TEST MODE

Setting the test disc.

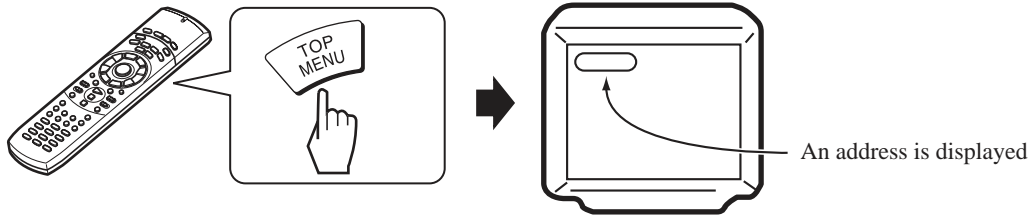
Display is "DISC-DVD" on the TV monitor.



ADJUSTMENT PROCEDURES-3

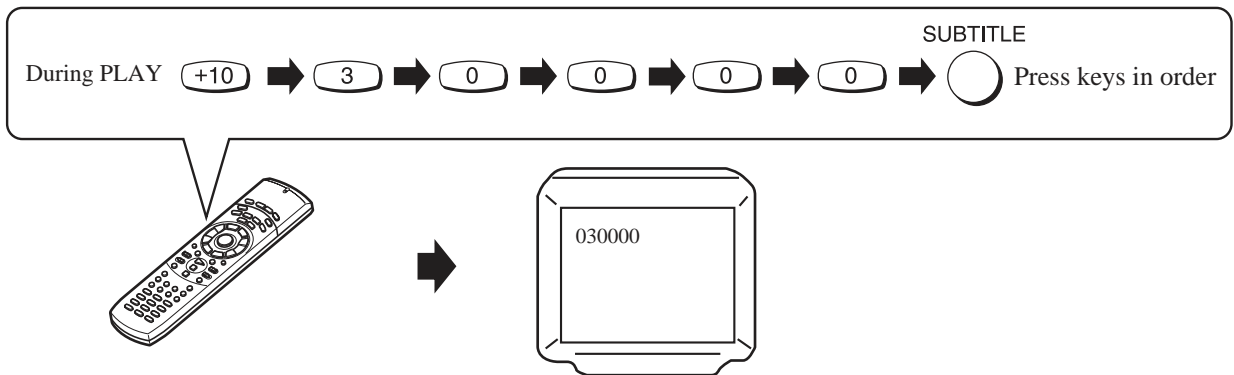
ADJUSTMENT OF DVD MECHANISM-3

TEST MODE: PLAY



< When playback with the target address of disc (DVD)>

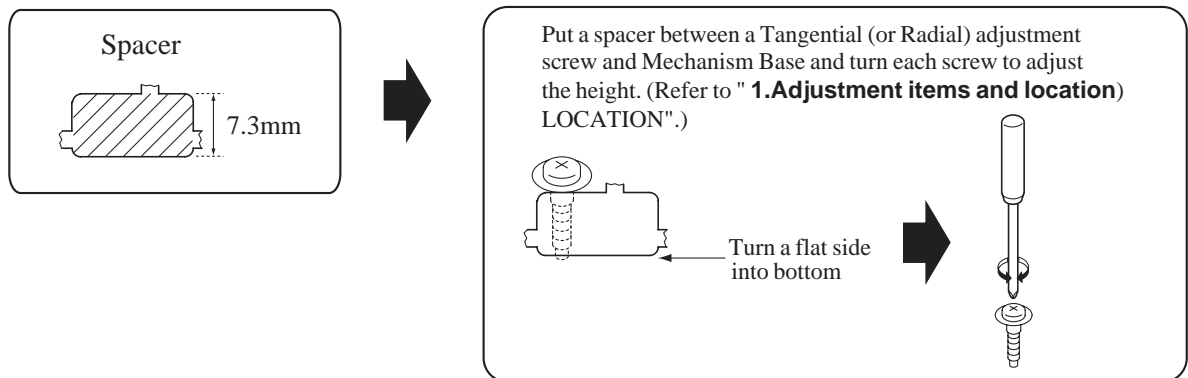
For example, when playback with # 30000



TEST MODE: OFF

Press the "STANDBY" key on the unit or press the "RETURN" key on the remotecontroller.

① Tangential and Radial Height Coarse Adjustment



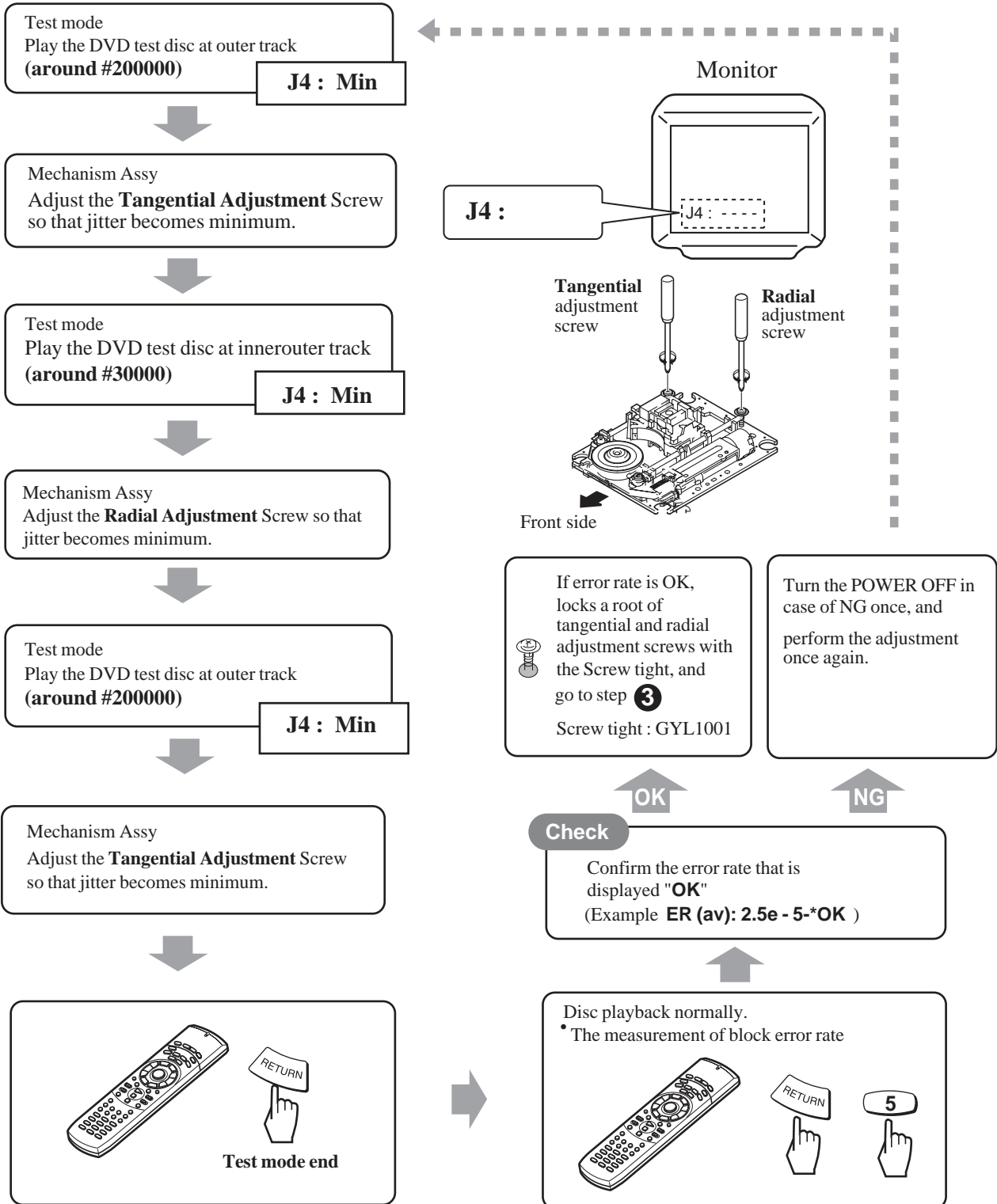
ADJUSTMENT PROCEDURES-4

ADJUSTMENT OF DVD MECHANISM-4

② DVD Jitter Adjustment

• Playback method of inner and outer address for the purpose is referred to "5. TEST MODE".

Use disc: GGV1025

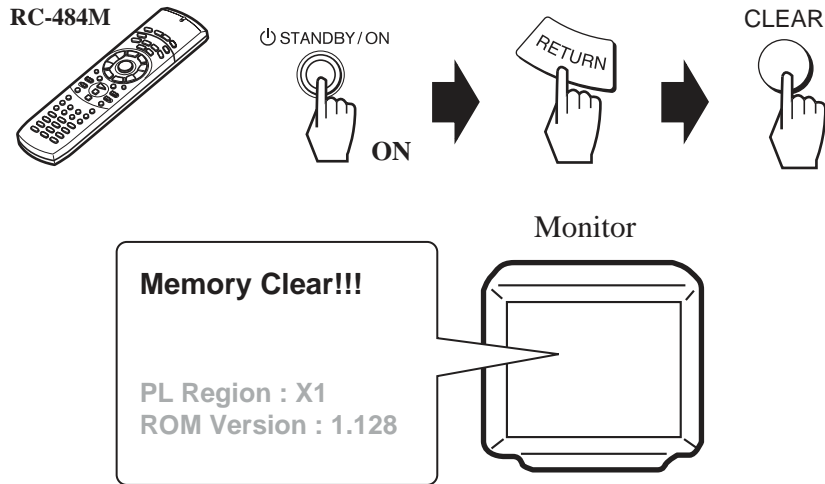


ADJUSTMENT PROCEDURES-5

ADJUSTMENT OF DVD MECHANISM-5

③ Initialize the Focus Sweep Setting

Purpose: To set the sweep which was correct with the individual Traverse mechanism.

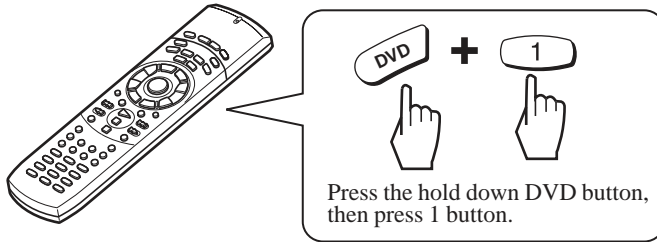


NOTE: When Change the mechanism or pickup mechanism, you must resetting the FOCUS SWEEP at no disc condition.

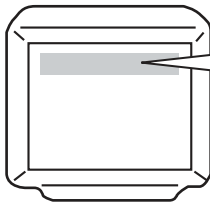
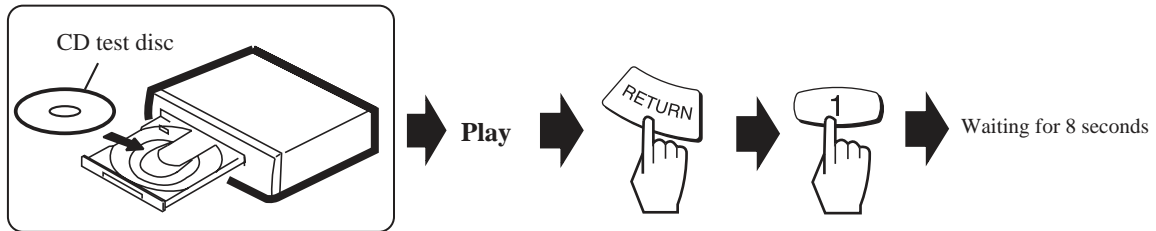
ADJUSTMENT PROCEDURES-6

CHECKING THE ERROR RATE

Setting remote controller



Check the CD error rate



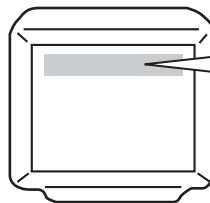
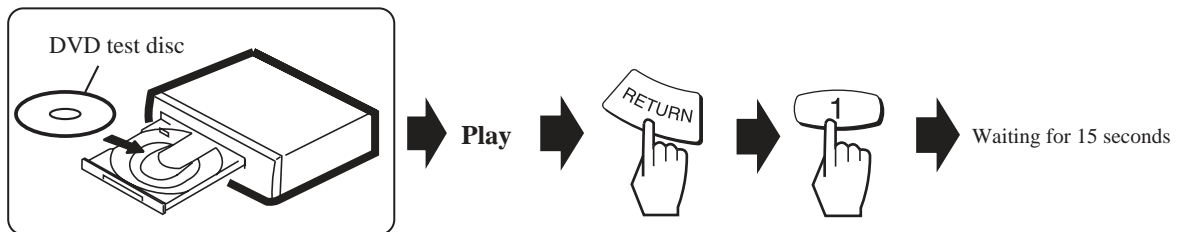
[Example]

ER C1 33

$$\text{CD error rate} = 33 / (7.35 \times 5 \times 1000) = 0.9 \times 10^{-3}$$

SPEC : CD error rate $\leq 3.26 \times 10^{-6}$

Check the DVD error rate



[Example]

ER (av) : 4.7e-5 * OK

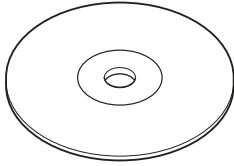
$$\text{DVD error rate} = 4.7 \times 10^{-5}$$

SPEC : DVD error rate $\leq 8 \times 10^{-4}$

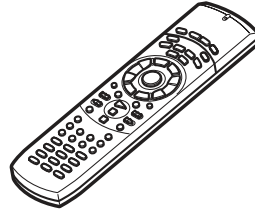
UPGRADE FIRMWARE-1

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. 24140484 (RC-484M)
It is remote control of the exclusive use for inputting ID data and upgrade firmware.



INTERFACE JIG
Part No. GGF1348

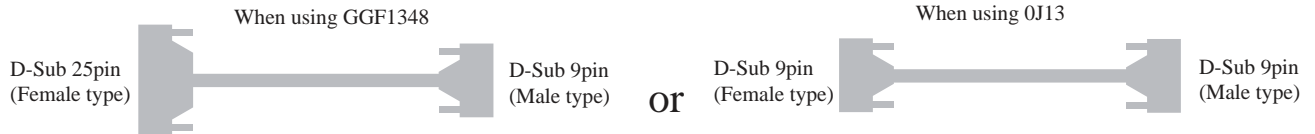


Part No. 0J13

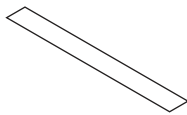


OR

RS-232C Cable (Straight type Cable)



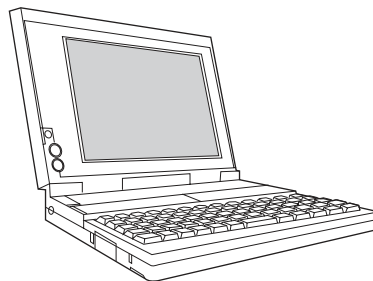
Flexible flat cable
Part No.:GGD1231 or 0F001



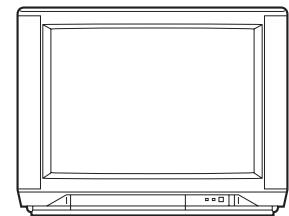
Video cable



PC (Personal computer)



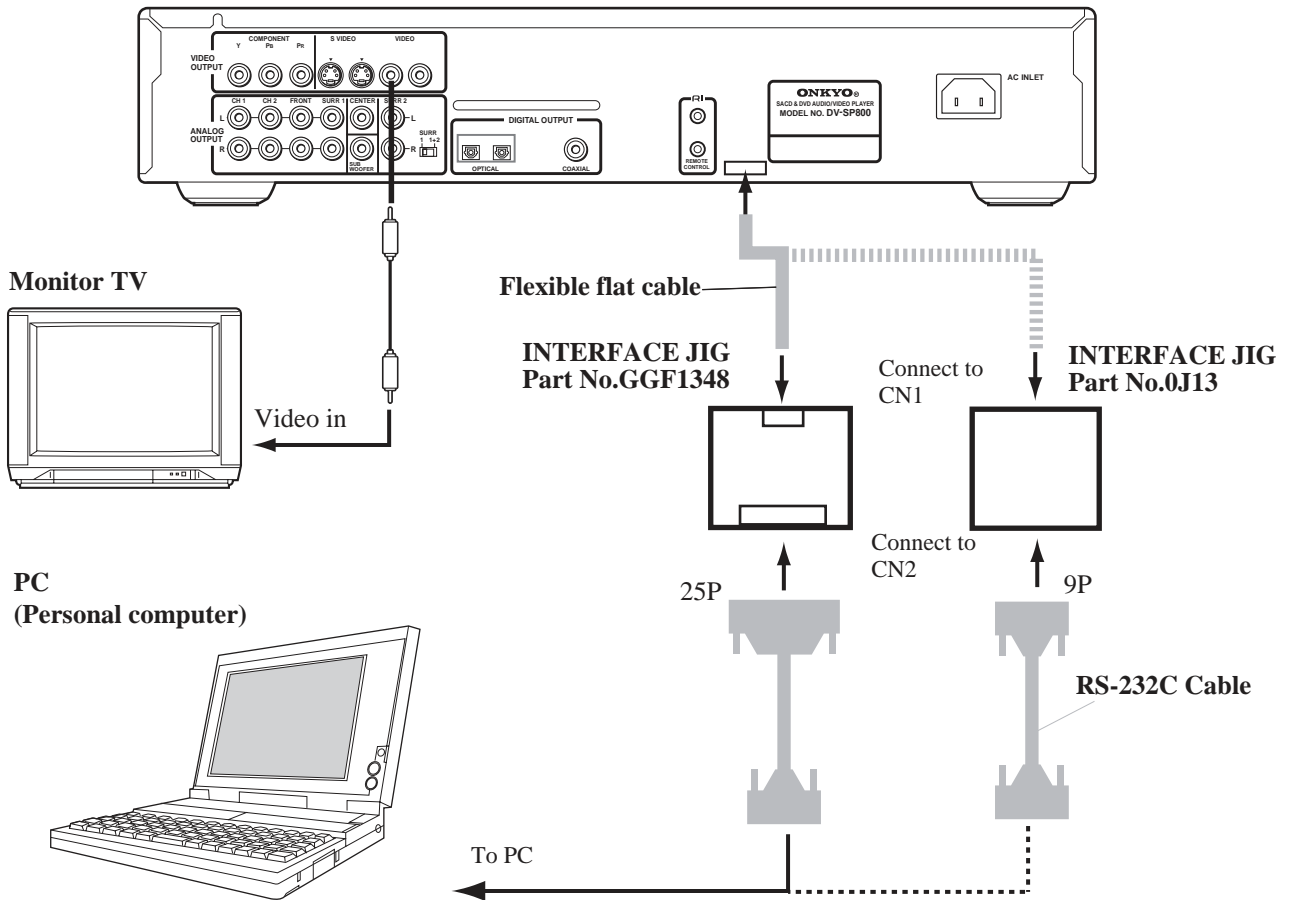
Monitor TV



UPGRADE FIRMWARE-2

Connections

Rear panel view



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

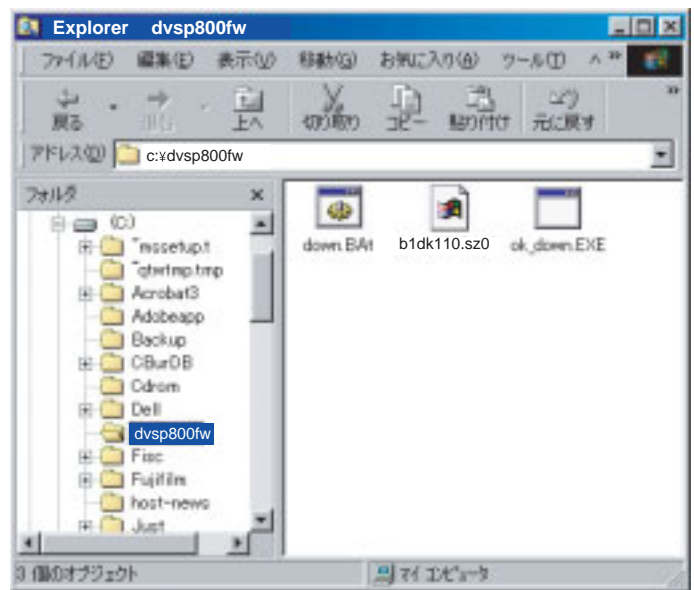
2. down.bat

Rewriting tools

3. b1dk110.sz0

Firmware program

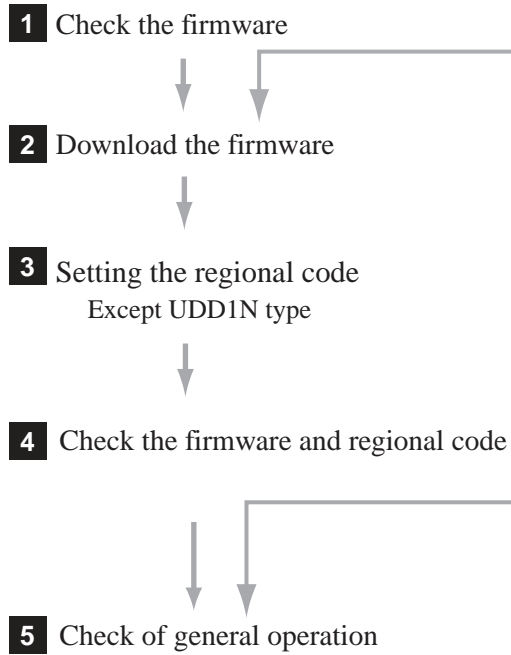
The file name changes with versions of the firmware.



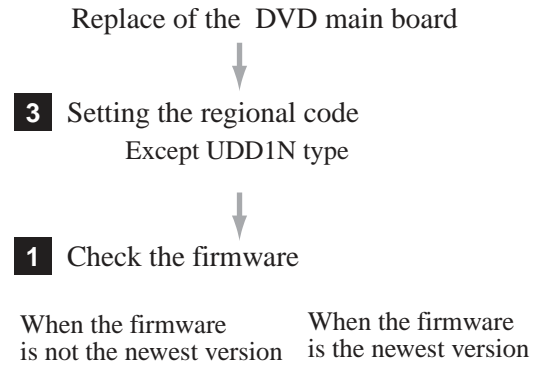
UPGRADE FIRMWARE-3

Flow chart

In the case of upgrade firmware



In the case of replace of the DVD main board

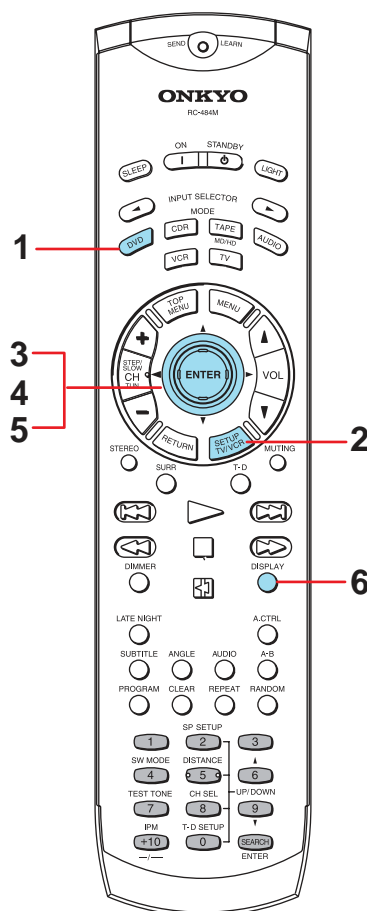


UPGRADE FIRMWARE-4

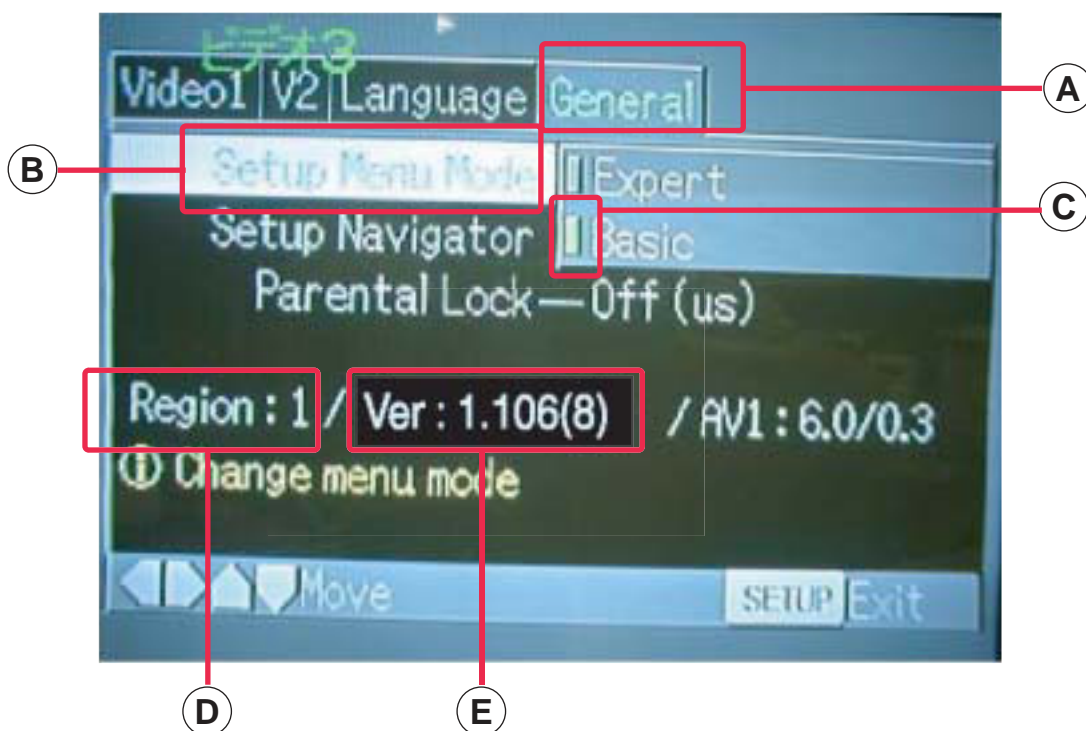
1 Check the firmware

Please operate it by remote controller (RC-484M).

1. Press the **DVD** button.
2. Press **SETUP** button.
3. Operate cursor button and select **General** menu.
Refer to (A)
4. Operate cursor button and select **Setup Menu mode**.
Refer to (B)
5. Operate cursor button and set as the state of **Basic**.
Refer to (C)
6. Press **DISPLAY** button.
7. Check the Region cord and the firmware version.
Refer to (D) (E)



TV monitor view (In case UDD1N type)



UPGRADE FIRMWARE-5

2 Download firmware

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

Windows of **MS DOS prompt**

Example

```

MS-DOS プロンプト
自動
Microsoft(R) Windows 98
(C)Copyright Microsoft Corp 1981-1999.
C:¥WINDOWS>_
  
```

```

MS-DOS プロンプト
自動
Microsoft(R) Windows 98
(C)Copyright Microsoft Corp 1981-1999.
C:¥WINDOWS>cd..
C:¥>cd dvsp800fw
C:¥>cd dvsp800fw>down b1dk1106.sz0
  
```

C: ¥ WINDOWS>_
2. Press the **Enter** button, after input **cd..** by the keyboard.

C: ¥ >_
3. Press the **Enter** button, after input **cd | dvsp800fw** by the keyboard.
Space
dvsp800fw : The folder name which saves the program file

¥C: dvsp800fw>_
4. Press the **Enter** button, after input **down b1dk110.sz0** by the keyboard.
Space Zero
b1bk110.sz0 : The program file name
The file name changes with firmware version.

```

MS-DOS プロンプト
自動
ダウンロードするプレーヤに、コネクタを接続してから、電源を入れてください。
(プログラムを終了したい時は、CTRL + C を押してください。)
続けるにはどれかキーを押してください。
  
```

[The meaning of this sentence]

Please switch on the power supply after connecting the DVD player and PC.

UPGRADE FIRMWARE-6

Download procedures

5. Connect the PC and set.
6. NO DISC. codition.
7. Turn ON the power supply switch of the unit.
8. Press the **Enter** key of PC.
9. Press the **Enter** button, after input **MO** by the keyboard.

```

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

PC/AT mode.

RD
DVD PLAYER MONITOR PROGRAM

DVD>
  
```

10. Press **ENTER** button, after input **SZL** by the keyboard.

```

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

PC/AT mode.

RD
DVD PLAYER MONITOR PROGRAM

DVD>SZL
コマンドライン指定のファイル b1dk1128.sz0 を使用します。
回線の確認を行っています。
ポート = 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 [%]
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
1151467 [Byte]
DD_
  
```

The file(b1dk110.sz0) specified by the command line is used in this program.
The program is checking the circuit.

The program running.

FL Display

ROM ERASE



LOADING

UPGRADE FIRMWARE-8

3 Setting the regional code

Do not need to do this work about UDD1N type.

FL display

REGION INI

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!

Using the remote controller (RC-484M).

1. Press hold down the **DVD** button, then press **2(SP SETUP)** button.
2. Press the **number** button which suits each destination.

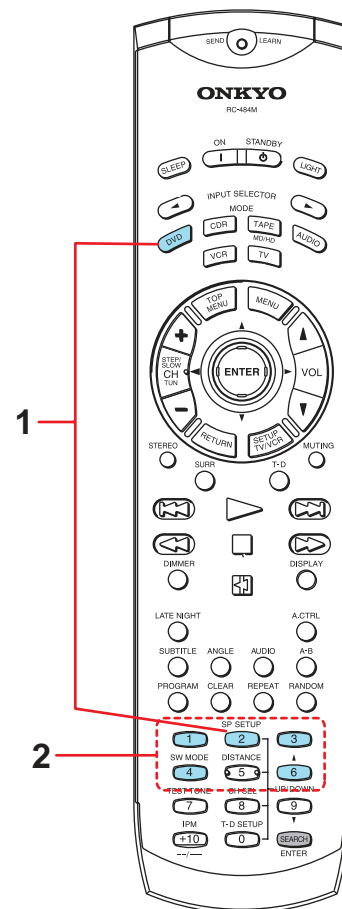
Table of regional code

Destination	Operation button name	Region code
MDD1N	Region cord is set automatically.	1
MPP2P	2	2
UPT3P	3	3
UDT3P	3	3
UGK3P	3	3
UPA4P	4	4
UDS4P	4	4
UGR6P	6	6

FL display

NO DISC

3. Turn OFF power of DV-SP800.
4. Disconnect DV-SP800 and PC.



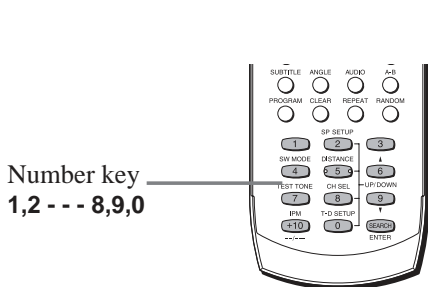
4 Confirm the firmware and regional cord

Refer to **1** about check procedure. (Page 4)

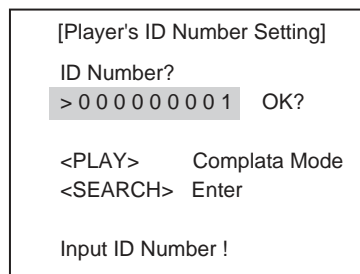
UPGRADE FIRMWARE-9

Setting the ID number.

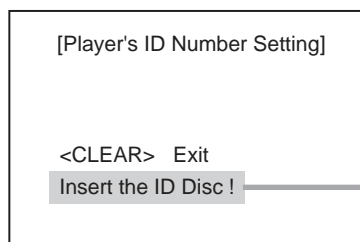
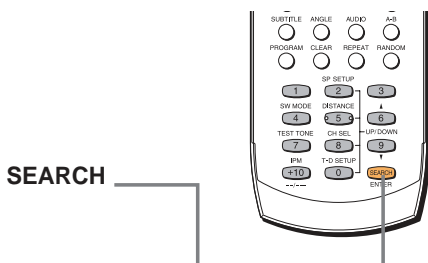
1. Input the ID number recorded before using the number button. (Refer to "Check ID number")



TV Monitor



2. Press the **SEARCH** button.



FL display

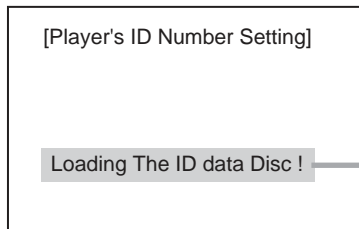


If ID number is set up, it will be in ID data input state from CDR.

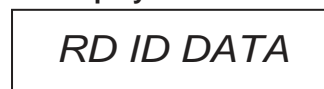
ID data setting

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

TV Monitor

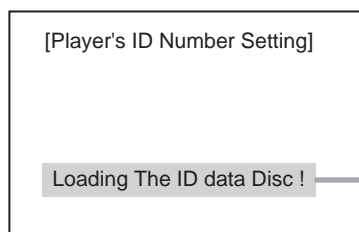
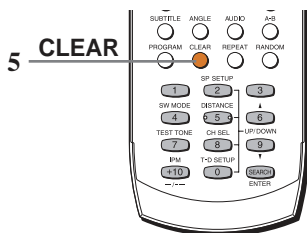


FL display

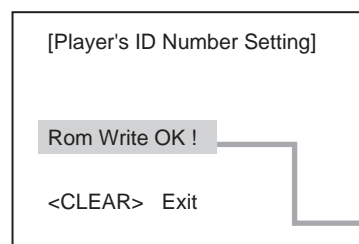


It becomes such a display during reading of data from CDR.

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



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 **CLEAR** button of remote controller and setting mode is ended.
6. Put out the disc.
7. Check the ID number.
8. Check the Firmware.

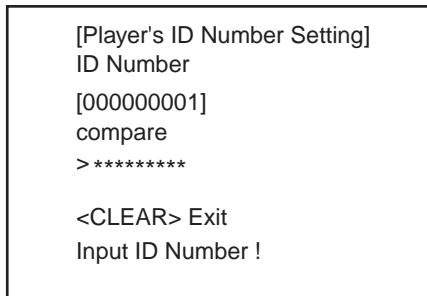
UPGRADE FIRMWARE-10

Confirm the ID number

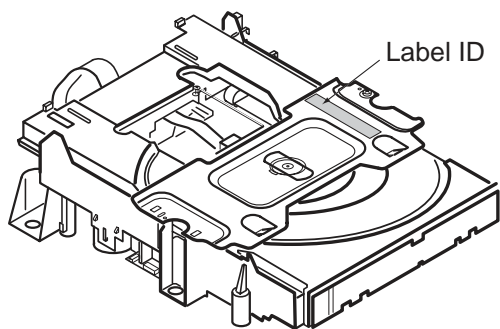
For use the RC-484M remote controller

1. Power ON and standby ON of the unit.
2. Press **RETURN** key.
3. Press **STEREO** key before displayed TV monitor.

When key number clear, press **CLEAR** key.

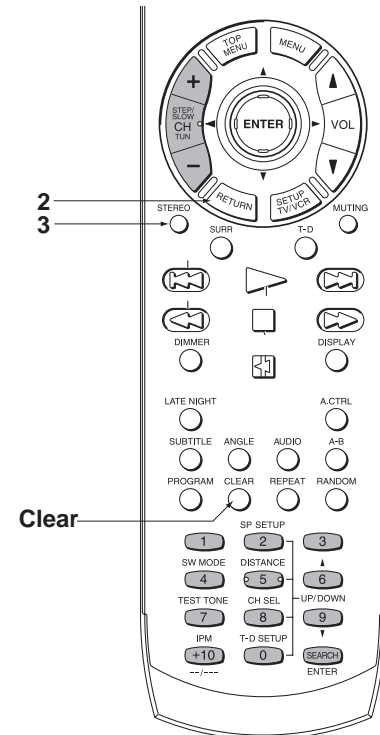


or



DVD Mechanism

RC-484M Part No. 24140484



ERROR CODE

ERROR CODE

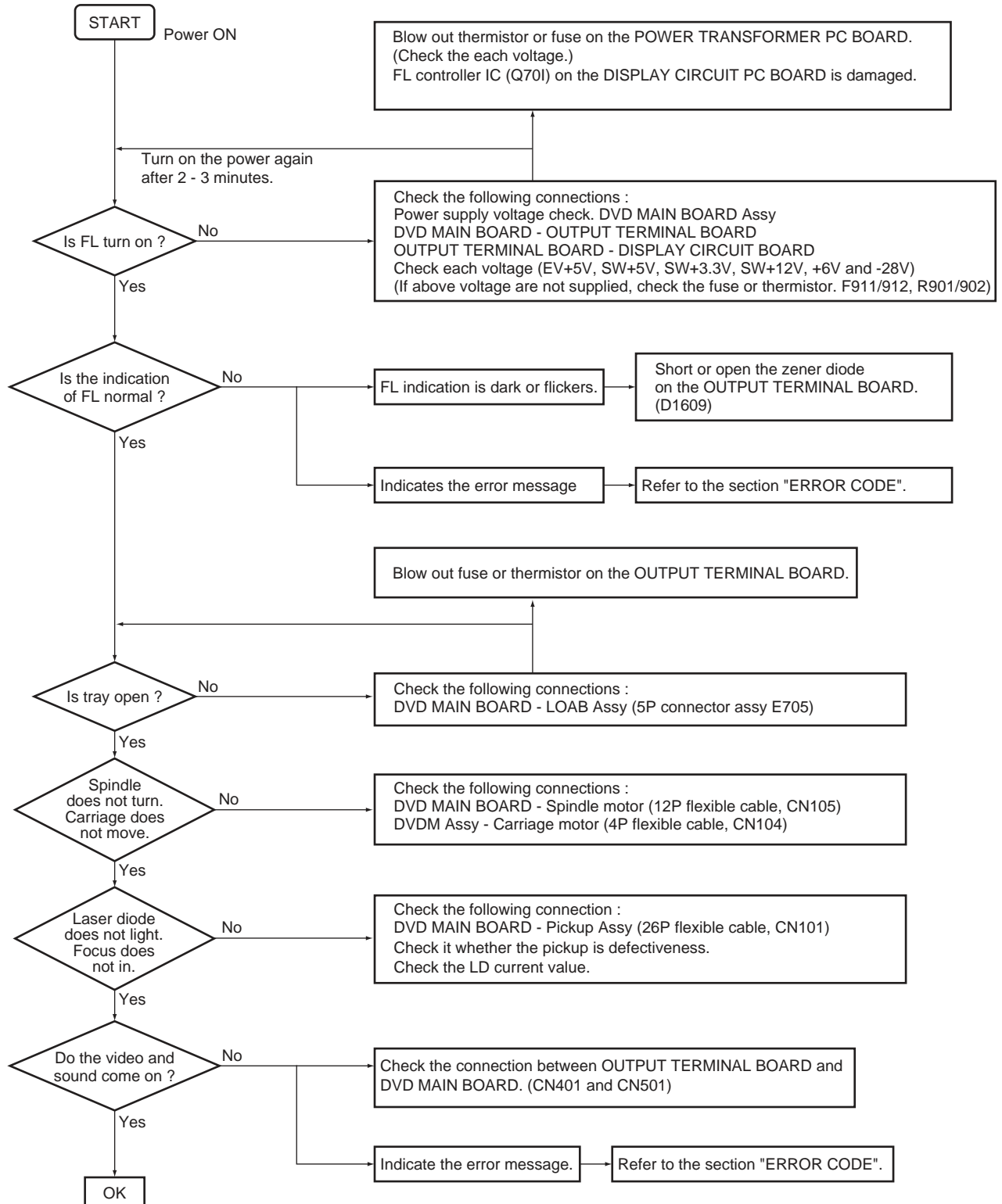
Error codes that are displayed on the FL display.

FL Display	Possible causes	Operation of the unit
AV1 VER	AV-1 chip is not a match with the program of system controller	The sound may not out with the specific audio.
CPU AERR	CPU address error (Hardware is unusual.)	No operation
DMA AERR	DMA address error (Hardware is unusual.)	No operation
FLASH ID	Difference in versions of the internal ROM of the system controller and of the flash ROM, or bus line failure or reverse installation	No operation
FLASH WRP	Write protect error of the flash ROM	No operation
FLASH SIG	Difference in part number of the flash ROM (When the ROM which couldn't be used was used.)	No operation
FLASH SUM	Check sum error of the flash ROM (It exceeds the regular size.) or reverse installation (Hardware is unusual.)	No operation
FLASH SIZE	Size error of the flash ROM (Use 4 or 8 M-bit.)	No operation
ILLGAL	The system controller fetched a code other than an operation code (Hardware is unusual.)	No operation
RESERVE	Undefined interrupt (Hardware is unusual.)	No operation
SLOT	Inappropriate slot command issued (Hardware is unusual.)	No operation
SDSP PWER	Access error to the servo DSP or clock does not oscillation (Hardware is unusual.)	Accept only OFF operation of the POWER key of the main unit. Remote control unit is impossible.

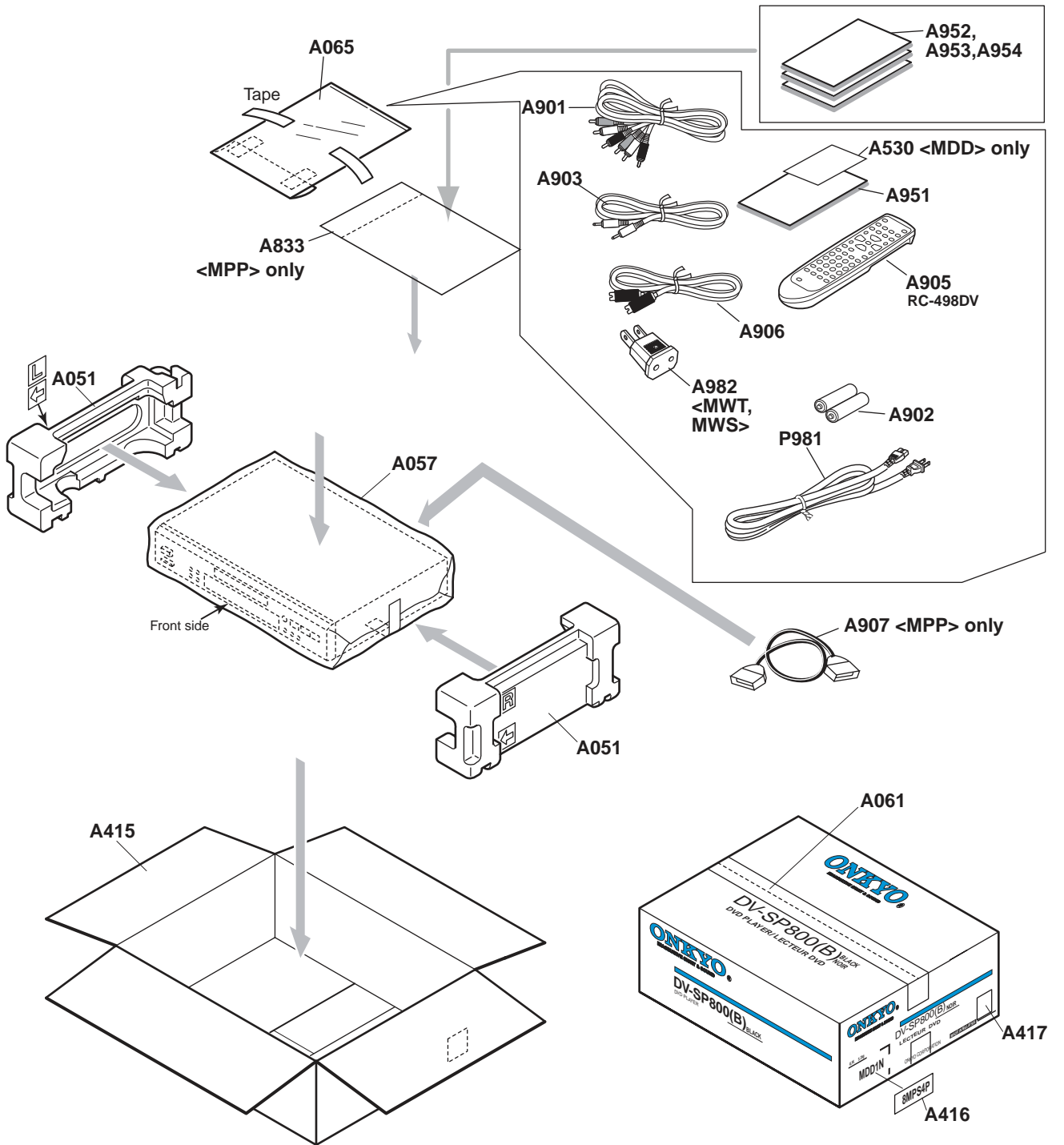
TROUBLE SHOOTING

Condition

When No Power ON
 FL is not turned ON
 FL indication is unusual



PACKING VIEW



B : Black color

S : Silver color

G : Golden color

<MDD1N> : U.S.A. and Canadian area, Regional code: 1, TV system: NTSC

<MPP2P> : European area, Regional code: 2, TV system: PAL

<MWT3P> : South East Asia and Middle East area, Regional code: 3, TV system: PAL

<MPS4P> : Australian area, Regional code: 4, TV system: PAL

<MWS4P> : South America area, Regional code: 4, TV system: PAL

<MWR6P> : Chinese, Regional code: 6, TV system: PAL

! : Safety part

REF. NO.	PART NAME	DESCRIPTION	PART NO.	REMARK
A1	CHASSIS		27100425A	N
A3	LEG		27175316C	N
A5	CUSHION		28141494	
A7	SCREW	3TTB+8B	838130088	
A9	HOLDER	KGLS-6RF	27190693A	
A11	HOLDER	KGPS-6RF	27191112	
A12	HOLDER	HOLDER KGLS-18S	27190470	
A13	SCREW	4TTC+6C(BC)	830440069	
A15	ST SCREW	3TTB+20B	838130208	
A17	LABEL(DVD2)		29362648	
A19	KNOB	(POW), B	28325497A	
A19	KNOB	(POW), S	28325547A	
A19	KNOB	(POW), G	28325499A	
A21	FRONT BRACKET	B	27111243A	N
A21	FRONT BRACKET	S	27111244A	N
A21	FRONT BRACKET	G	27111245A	N
A22	TAPE		29110161	
A23	CLEAR PLATE		28191971	N
A24	SPACER	8 x 3 x 0.188	27270147	
A25	SCREW	3TTB+8B	838130088	
A26	SCREW	2.6TTB+8B(BC)	838426088	
A27	ST SCREW	2.6TTB+6B	838126068	
A28	SCREW	3P+10FN(BC)	82143010	
A29	CUSHION		28141517	N
A30	BACK PLATE	B	28133404	N
A30	BACK PLATE	S, G	28133403	
A31	KNOB	B , (OPEN)AS	28325953	
A31	KNOB	S , (OPEN)AS	28325954	
A31	KNOB	G , (OPEN)AS	28325955	
A33	FACET	(PLAY)	28198935	
A34	KNOB	(CAP), B	28326027	N
A34	KNOB	(CAP), S, G	28326028	
A35	KNOB	(HEAD PHONE), B	28325452	
A35	KNOB	(HEAD PHONE), S	28325515	
A35	KNOB	(HEAD PHONE), G	28325495	
A37	KNOB	(CRS), B	28326029	N
A37	KNOB	(CRS), S, G	28326030	
A41	DOOR	(PANEL), B	28148514	
A41	DOOR	(PANEL), S	28148515	N
A41	DOOR	(PANEL), G	28148516	N
A43	DOOR	(MOULD), B	28148518	
A43	DOOR	(MOULD), S	28148519	N
A43	DOOR	(MOULD), G	28148520	N
A44	SPACER	8 x 3 x 0.1	27270149	
A45	BADGE	(DVD-AUDIO), B	28135284	
A45	BADGE	(DVD-AUDIO), S, G	28135285	
A46	BADGE	(SACD), B	28135288	
A46	BADGE	(SACD), S, G	28135289	
A47	TOP COVER	B	28184845	N
A47	TOP COVER	S	28184846	N
A47	TOP COVER	G	28184847	N

A49	SCREW	3TTB+8B(BC), B	838430088	
A49	SCREW	3TTB+8B(UN), S, G	838930088	
A401	F PANEL	B <MDD1N>	27212429	N
A401	F PANEL	B <MPP2P>, B <MPS4P>, B <MWT3P>, B <MWS4P>	27212432	N
A401	F PANEL	S <MPP2P>	27212430	N
A401	F PANEL	G <MWT3P>, G <MPS4P>, G <MWR6P>	27212431	N
A403	BADGE	BADGE, B	28135244	
	BADGE	BADGE, S, G	28135245	
A405	FACET	(S)	28198906	
A409	SCREW	3TTB+8B(BC)	838430088	
A411	REAR PANEL	<MDD1N>	27123008	N
A411	REAR PANEL	<MPP2P>	27123012	N
A411	REAR PANEL	<MPS4P>	27123010	N
A411	REAR PANEL	<MWT3P>	27123009	N
A411	REAR PANEL	<MWS4P>	27123016	N
A411	REAR PANEL	<MWR6P>	27123011	N
A413	SCREW	3TTB+8B(BC)	838430088	
A414	SCREW	4TTB+8C(BC)	838440089	
CN602	FFC	NCFC5-400812	204C400812	N
E701	CRIMP AS		2061112160UL	
P1810	CRIMP AS		2061712100UL	
E705	SOCKET AS	NSAS-10P0978	2009990702UL	
E703	FUSE LABEL	Except <MDD1N>	29362519	
E704	FUSE LABEL	<MWT>, <MWR>	29363314	
E903	WIRE TIE	BINDER	260208	
P1701	SOCKET AS	NSAS-4P1028	2009990734UI	N
P1803	FFC	NCFC5-260812	2045260812	
P2801	FFC	NCFC5-201512, <MPP2P>	2045201512	
P701	FFC	NCFC5-241012	2045241012	N
S731	JOY STICK	NPS-115-S673	25035710	
T901	P TRANS	NPT-1451D, <MDD1N>	2301640A	N !
T901	P TRANS	NPT-1451P, <MPP2P>, <MPS4P>	2301641A	N !
T901	P TRANS	NPT-1451DG, <MWT3P>, <MWS4P>, <MWR6P>	2301642A	N !
U1	Output circuit PC board assy	NAAR-7616-1A <MDD1N>	1H490516-1A	N
U1	Output circuit PC board assy	NAAR-7616-1B <MPP2P>	1H490516-1B	N
U1	Output circuit PC board assy	NAAR-7616-1C <MWT3P>	1H490516-1C	N
U1	Output circuit PC board assy	NAAR-7616-1D <MPS4P>	1H490516-1D	N
U1	Output circuit PC board assy	NAAR-7616-1E <MWS4P>	1H490516-1E	N
U1	Output circuit PC board assy	NAAR-7616-1F <MWR6P>	1H490516-1F	N
U2	Display circuit PC board assy	NADIS-7618-1A <MDD1N>	1H490518-1A	N
U2	Display circuit PC board assy	NADIS-7618-1B <MPP2P>	1H490518-1B	N
U2	Display circuit PC board assy	NADIS-7618-1C <MWT3P>	1H490518-1C	N
U2	Display circuit PC board assy	NADIS-7618-1D <MPS4P>	1H490518-1D	N
U2	Display circuit PC board assy	NADIS-7618-1E <MWS4P>	1H490518-1E	N
U2	Display circuit PC board assy	NADIS-7618-1F <MWR6P>	1H490518-1F	N
U3	Standby LED PC board assy	NADIS-7619-1A <MDD1N>	1H490519-1A	N
U3	Standby LED PC board assy	NADIS-7619-1B <MPP2P>	1H490519-1B	N
U3	Standby LED PC board assy	NADIS-7619-1C <MWT3P>	1H490519-1C	N
U3	Standby LED PC board assy	NADIS-7619-1D <MPS4P>	1H490519-1D	N
U3	Standby LED PC board assy	NADIS-7619-1E <MWS4P>	1H490519-1E	N
U3	Standby LED PC board assy	NADIS-7619-1F <MWR6P>	1H490519-1F	N
U4	Power transformer PC board assy	NAPS-7620-1A <MDD1N>	1H490520-1A	N
U4	Power transformer PC board assy	NAPS-7620-1B <MPP2P>	1H490520-1B	N
U4	Power transformer PC board assy	NAPS-7620-1C <MWT3P>	1H490520-1C	N
U4	Power transformer PC board assy	NAPS-7620-1D <MPS4P>	1H490520-1D	N
U4	Power transformer PC board assy	NAPS-7620-1E <MWS4P>	1H490520-1E	N
U4	Power transformer PC board assy	NAPS-7620-1F <MWR6P>	1H490520-1F	N
U5	Inlet terminal PC board assy	NAPS-7621-1A <MDD1N>	1H490521-1A	N
U5	Inlet terminal PC board assy	NAPS-7621-1B <MPP2P>	1H490521-1B	N
U5	Inlet terminal PC board assy	NAPS-7621-1C <MWT3P>	1H490521-1C	N

U5	Inlet terminal PC board assy	NAPS-7621-1F <MWR6P>	1H490521-1F	3/4 PAGE
U6	Power switch PC board assy	NASW-7622-1A <MDD1N>	1H490522-1A	N
U6	Power switch PC board assy	NASW-7622-1B <MPP2P>	1H490522-1B	N
U6	Power switch PC board assy	NASW-7622-1C <MWT3P>	1H490522-1C	N
U6	Power switch PC board assy	NASW-7622-1D <MPS4P>	1H490522-1D	N
U6	Power switch PC board assy	NASW-7622-1E <MWS4P>	1H490522-1E	N
U6	Power switch PC board assy	NASW-7622-1F <MWR6P>	1H490522-1F	N
U7	Support PC board	NAETC-7623-1A <MDD1N>	1H490523-1A	N
U7	Support PC board	NAETC-7623-1B <MPP2P>	1H490523-1B	N
U7	Support PC board	NAETC-7623-1C <MWT3P>	1H490523-1C	N
U7	Support PC board	NAETC-7623-1D <MPS4P>	1H490523-1D	N
U7	Support PC board	NAETC-7623-1E <MWS4P>	1H490523-1E	N
U7	Support PC board	NAETC-7623-1F <MWR6P>	1H490523-1F	N
U8	Regulator_1 PC board assy	NAETC-7774-1A <MDD1N>	1H490574-1A	N
U8	Regulator_1 PC board assy	NAETC-7774-1B <MPP2P>	1H490574-1B	N
U8	Regulator_1 PC board assy	NAETC-7774-1C <MWT3P>	1H490574-1C	N
U8	Regulator_1 PC board assy	NAETC-7774-1D <MPS4P>	1H490574-1D	N
U8	Regulator_1 PC board assy	NAETC-7774-1E <MWS4P>	1H490574-1E	N
U8	Regulator_1 PC board assy	NAETC-7774-1F <MWR6P>	1H490574-1F	N
U9	Voltage select PC board assy	NASW-7624-1C <MWT3P>	1H490524-1C	N
U9	Voltage select PC board assy	NASW-7624-1E <MWS4P>	1H490524-1E	N
U9	Voltage select PC board assy	NASW-7624-1F <MWR6P>	1H490524-1F	N
U10	Regulator_2 PC board assy	NAETC-7775-1A <MDD1N>	1H490575-1A	N
U10	Regulator_2 PC board assy	NAETC-7775-1B <MPP2P>	1H490575-1B	N
U10	Regulator_2 PC board assy	NAETC-7775-1C <MWT3P>	1H490575-1C	N
U10	Regulator_2 PC board assy	NAETC-7775-1D <MPS4P>	1H490575-1D	N
U10	Regulator_2 PC board assy	NAETC-7775-1E <MWS4P>	1H490575-1E	N
U10	Regulator_2 PC board assy	NAETC-7775-1F <MWR6P>	1H490575-1F	N
U11	Video circuit PC board assy	NAVD-7632-1A <MDD1N>	1H490532-1A	N
U11	Video circuit PC board assy	NAVD-7632-1B <MPP2P>	1H490532-1B	N
U11	Video circuit PC board assy	NAVD-7632-1C <MWT3P>	1H490532-1C	N
U11	Video circuit PC board assy	NAVD-7632-1D <MPS4P>	1H490532-1D	N
U11	Video circuit PC board assy	NAVD-7632-1E <MWS4P>	1H490532-1E	N
U11	Video circuit PC board assy	NAVD-7632-1F <MWR6P>	1H490532-1F	N
U12	SCART terminal PC board assy	NAVD-7634-1B <MPP2P>	1H490534-1B	N
U13	Headphone terminal PC board assy	NAAF-7617-1A <MDD1N>	1H490517-1A	N
U13	Headphone terminal PC board assy	NAAF-7617-1B <MPP2P>	1H490517-1B	N
U13	Headphone terminal PC board assy	NAAF-7617-1C <MWT3P>	1H490517-1C	N
U13	Headphone terminal PC board assy	NAAF-7617-1D <MPS4P>	1H490517-1D	N
U13	Headphone terminal PC board assy	NAAF-7617-1E <MWS4P>	1H490517-1E	N
U13	Headphone terminal PC board assy	NAAF-7617-1F <MWR6P>	1H490517-1F	N
U14	SACD circuit PC board assy	NADG-7761-1A <MDD1N>	1H490561-1A	N
U14	SACD circuit PC board assy	NADG-7761-1B <MPP2P>	1H490561-1B	N
U14	SACD circuit PC board assy	NADG-7761-1C <MWT3P>	1H490561-1C	N
U14	SACD circuit PC board assy	NADG-7761-1D <MPS4P>	1H490561-1D	N
U14	SACD circuit PC board assy	NADG-7761-1E <MWS4P>	1H490561-1E	N
U14	SACD circuit PC board assy	NADG-7761-1F <MWR6P>	1H490561-1F	N
Z100	DVD Main circuit PC board assy	DB-VPB308/XJ	24150030	N
Z101	DVD Mechanism	DB-VLD301-006	24801010	
Z102	ADAPTOR (L)	DB-VAC301	24840149A	
Z103	ADAPTOR (R)	DB-VAC302	24840150A	
Z104	SCREW	3TTB+8B	838130088	
Z105	ISO PLT		28175287	N
Z106	SHLD CASE	VNE2266-B	27225147	N

PACKING PARTS LIST

B : Black color

S : Silver color

G : Golden color

<MDD> : U.S.A. and Canadian area, Regional code: 1, TV system: NTSC

<MPP> : European area, Regional code: 2, TV system: PAL

<MWT> : South East Asia and Middle East area, Regional code: 3, TV system: PAL

<MPS> : Australian area, Regional code: 4, TV system: PAL

! : Safety part

REF. NO.	PART NAME	DESCRIPTION	PART NO.	REMARK
A051	PAD	(AS)	29092071A	N
A057	POLY BAG	650*500	29100037-1A	
A061	PP TAPE	W48 OPP TAPE	29110148	
A065	POLY BAG	350*250	29100097-1A	
A415	CARTON	(B)<MDD>	29053961	N
A415	CARTON	(B)<MPP>	29053962	N
A415	CARTON	B <MPS>, B <MWT>, B <MWS>	29053964	N
A415	CARTON	(S)<MPP>	29053965	N
A415	CARTON	G <MWT>, G <MWR>	29053967	N
A415	CARTON	G <MPS>	29053966	N
A416	LABEL (Re)	B <MPS>	29363244	N
A416	LABEL (Re)	B <MWS>	29363245	N
A416	LABEL (Re)	G <MWT>	29363246	N
A417	UPC LABEL	B <MDD>	29363199	N
A417	EAN LABEL	B <MPP>, B <MPS>, B <MWT>, <N	29363196	N
A417	EAN LABEL	S <MPP>	29363197	N
A417	EAN LABEL	G <MWT>,G <MPS>,G <MWR>	29363198	N
A419	LABEL	LABEL SHEET <MDD>	29360840	
A530	WRNTY CARD	(ONKYO) <MDD>	29365090A	
A833	POLY BAG	350*250	29100097-1A	
A901	PIN CORD AS	RCA3P(YWR)	2010379	
A902	BATTERY	UM-3	3010054	
A903	PLUG CORD	3.5-MINI PLUG (RI)	2010200	
A905	REMO CON	RC-498DV	24140498	N
A906	CORD AS	(S CORD)	2010380	
A906 or	CORD AS	TPX3000	2010360	
A907	RGB CORD	YAF11-1015 <MPP>	2010411	
A951	INS MANUAL	E	29343362A	N
A952	INS MANUAL	U3FSI <MPP,MWS>	29343363A	N
A953	INS MANUAL	U2CTCS <MWT,MWR>	29343365A	N
A954	INS MANUAL	U3GDSw <MPP>	29343364A	N
A982	CV PLUG	CV-K-1 <MWT,MWS>	25056005	!
P981 or	AC CORD	AS-UC-2	253297KAW	!
P981	AC CORD	AS-UC-2 <MDD>	253352TES	!
P981	AC CORD	AS-C-EE-2	253298KAW	!
P981	AC CORD	<MDD MDS MWT MWS> AS-CCEE <MWR>	253312VOL	!

<MDD1N> : U.S.A. and Canadian area, Regional code: 1, TV system: NTSC

<MPP2P> : European area, Regional code: 2, TV system: PAL

<MWT3P>: South East Asia and Middle East area, Regional code: 3, TV system: PAL

<MPS4P>: Australian area, Regional code: 4, TV system: PAL

<MWS4P>: South America area, Regional code: 4, TV system: PAL

<MWR6P>: Chinese, Regional code: 6, TV system: PAL

! : Safety part

#: The parts of the same rank are used.

U1: OUTPUT TERMINAL PC BOARD NAAR-7616

DESTINATION	CIRCUIT NO.	PART NAME	DESCRIPTION	PART NO.	REMARK
	C1102	ELECT C	CE04W6.3V-100M	354721019	
	C1103	MKS C	MKS92-63V-105J	374491054	
	C1104	VX C	CE04W50V-47M(VX)	393384707	
	C1105	MKS C	MKS92-63V-105J	374491054	
	C1106	VX C	CE04W50V-47M(VX)	393384707	
	C1107	MKS C	MKS92-63V-105J	374491054	
	C1108	VX C	CE04W6.3V-470M(VX)	393324717	
	C1109	TF C	ECQ-V50V-104J	374721044	
	C1110	VX C	CE04W6.3V-470M(VX)	393324717	
	C1111	TF C	ECQ-B50V-101K	374721015	
	C1112	TF C	ECQ-B50V-101K	374721015	
	C1113	TF C	ECQ-B50V-101K	374721015	
	C1114	TF C	ECQ-B50V-101K	374721015	
	C1115	VX C	CE04W16V-470M(VX)	393344717	
	C1116	VX C	CE04W16V-470M(VX)	393344717	
	C1117	TF C	ECQ-B50V-221K	374722215	
	C1118	TF C	ECQ-B50V-221K	374722215	
	C1121	TF C	ECQ-B50V-681J	374726814	
	C1122	TF C	ECQ-B50V-681J	374726814	
	C1123	TF C	ECQ-B50V-152J	374721524	
	C1124	TF C	ECQ-B50V-152J	374721524	
	C1125	TF C	ECQ-B50V-102J	374721024	
	C1126	TF C	ECQ-B50V-102J	374721024	
	C1127	VX C	CE04W50V-47M(VX)	393384707	
	C1128	VX C	CE04W50V-47M(VX)	393384707	
	C1129	TF C	ECQ-B50V-101K	374721015	
	C1130	TF C	ECQ-B50V-101K	374721015	
	C1131	TF C	ECQ-B50V-122J	374721224	
	C1132	TF C	ECQ-B50V-122J	374721224	
	C1133	TF C	ECQ-B50V-122J	374721224	
	C1134	TF C	ECQ-B50V-122J	374721224	
	C1135	TF C	ECQ-B50V-122J	374721224	
	C1136	TF C	ECQ-B50V-122J	374721224	
	C1139	TF C	ECQ-B50V-821J	374728214	
	C1140	TF C	ECQ-B50V-821J	374728214	
	C1141	TF C	ECQ-B50V-272J	374722724	
	C1142	TF C	ECQ-B50V-272J	374722724	
	C1143	TF C	ECQ-B50V-182J	374721824	
	C1144	TF C	ECQ-B50V-182J	374721824	
	C1202	ELECT C	CE04W6.3V-100M	354721019	
	C1203	TF C	ECQ-V50V-104J	374721044	
	C1204	VX C	CE04W50V-47M(VX)	393384707	
	C1205	TF C	ECQ-V50V-104J	374721044	
	C1206	VX C	CE04W50V-47M(VX)	393384707	
	C1207	TF C	ECQ-V50V-104J	374721044	
	C1208	VX C	CE04W6.3V-470M(VX)	393324717	
	C1209	TF C	ECQ-V50V-104J	374721044	
	C1210	VX C	CE04W6.3V-470M(VX)	393324717	
	C1211	TF C	ECQ-B50V-101K	374721015	
	C1212	TF C	ECQ-B50V-101K	374721015	
	C1213	TF C	ECQ-B50V-101K	374721015	
	C1214	TF C	ECQ-B50V-101K	374721015	
	C1215	TF C	ECQ-B50V-101K	374721015	
	C1216	TF C	ECQ-B50V-101K	374721015	
	C1217	TF C	ECQ-B50V-101K	374721015	
	C1218	TF C	ECQ-B50V-101K	374721015	
	C1219	TF C	ECQ-B50V-101K	374721015	
	C1220	TF C	ECQ-B50V-101K	374721015	
	C1221	TF C	ECQ-B50V-101K	374721015	
	C1222	TF C	ECQ-B50V-101K	374721015	
	C1223	TF C	ECQ-B50V-101K	374721015	
	C1224	TF C	ECQ-B50V-101K	374721015	
	C1225	TF C	ECQ-B50V-101K	374721015	
	C1226	TF C	ECQ-B50V-101K	374721015	
	C1227	TF C	ECQ-B50V-101K	374721015	
	C1228	TF C	ECQ-B50V-101K	374721015	
	C1229	TF C	ECQ-B50V-101K	374721015	
	C1230	TF C	ECQ-B50V-101K	374721015	
	C1231	TF C	ECQ-B50V-101K	374721015	
	C1232	TF C	ECQ-B50V-101K	374721015	
	C1233	TF C	ECQ-B50V-101K	374721015	
	C1234	TF C	ECQ-B50V-101K	374721015	
	C1235	TF C	ECQ-B50V-101K	374721015	
	C1236	TF C	ECQ-B50V-101K	374721015	
	C1237	TF C	ECQ-B50V-101K	374721015	
	C1238	TF C	ECQ-B50V-101K	374721015	
	C1239	TF C	ECQ-B50V-101K	374721015	
	C1240	TF C	ECQ-B50V-101K	374721015	
	C1241	TF C	ECQ-B50V-101K	374721015	
	C1242	TF C	ECQ-B50V-101K	374721015	
	C1243	TF C	ECQ-B50V-101K	374721015	
	C1244	TF C	ECQ-B50V-101K	374721015	
	C1245	TF C	ECQ-B50V-101K	374721015	
	C1246	TF C	ECQ-B50V-101K	374721015	
	C1247	TF C	ECQ-B50V-101K	374721015	
	C1248	TF C	ECQ-B50V-101K	374721015	
	C1249	TF C	ECQ-B50V-101K	374721015	
	C1250	TF C	ECQ-B50V-101K	374721015	
	C1251	TF C	ECQ-B50V-101K	374721015	
	C1252	TF C	ECQ-B50V-101K	374721015	
	C1253	TF C	ECQ-B50V-101K	374721015	
	C1254	TF C	ECQ-B50V-101K	374721015	
	C1255	TF C	ECQ-B50V-101K	374721015	
	C1256	TF C	ECQ-B50V-101K	374721015	
	C1257	TF C	ECQ-B50V-101K	374721015	
	C1258	TF C	ECQ-B50V-101K	374721015	
	C1259	TF C	ECQ-B50V-101K	374721015	
	C1260	TF C	ECQ-B50V-101K	374721015	
	C1261	TF C	ECQ-B50V-101K	374721015	
	C1262	TF C	ECQ-B50V-101K	374721015	
	C1263	TF C	ECQ-B50V-101K	374721015	
	C1264	TF C	ECQ-B50V-101K	374721015	
	C1265	TF C	ECQ-B50V-101K	374721015	
	C1266	TF C	ECQ-B50V-101K	374721015	
	C1267	TF C	ECQ-B50V-101K	374721015	
	C1268	TF C	ECQ-B50V-101K	374721015	
	C1269	TF C	ECQ-B50V-101K	374721015	
	C1270	TF C	ECQ-B50V-101K	374721015	
	C1271	TF C	ECQ-B50V-101K	374721015	
	C1272	TF C	ECQ-B50V-101K	374721015	
	C1273	TF C	ECQ-B50V-101K	374721015	
	C1274	TF C	ECQ-B50V-101K	374721015	
	C1275	TF C	ECQ-B50V-101K	374721015	
	C1276	TF C	ECQ-B50V-101K	374721015	
	C1277	TF C	ECQ-B50V-101K	374721015	
	C1278	TF C	ECQ-B50V-101K	374721015	
	C1279	TF C	ECQ-B50V-101K	374721015	
	C1280	TF C	ECQ-B50V-101K	374721015	
	C1281	TF C	ECQ-B50V-101K	374721015	
	C1282	TF C	ECQ-B50V-101K	374721015	
	C1283	TF C	ECQ-B50V-101K	374721015	
	C1284	TF C	ECQ-B50V-101K	374721015	
	C1285	TF C	ECQ-B50V-101K	374721015	
	C1286	TF C	ECQ-B50V-101K	374721015	
	C1287	TF C	ECQ-B50V-101K	374721015	
	C1288	TF C	ECQ-B50V-101K	374721015	
	C1289	TF C	ECQ-B50V-101K	374721015	
	C1290	TF C	ECQ-B50V-101K	374721015	
	C1291	TF C	ECQ-B50V-101K	374721015	
	C1292	TF C	ECQ-B50V-101K	374721015	
	C1293	TF C	ECQ-B50V-101K	374721015	
	C1294	TF C	ECQ-B50V-101K	374721015	
	C1295	TF C	ECQ-B50V-101K	374721015	
	C1296	TF C	ECQ-B50V-101K	374721015	
	C1297	TF C	ECQ-B50V-101K	374721015	
	C1298	TF C	ECQ-B50V-101K	374721015	
	C1299	TF C	ECQ-B50V-101K	374721015	
	C1300	TF C	ECQ-B50V-101K	374721015	

C1213	TF C	ECQ-B50V-101K	374721015	2/13 PAGE
C1214	TF C	ECQ-B50V-101K	374721015	
C1215	VX C	CE04W16V-470M(VX)	393344717	
C1216	VX C	CE04W16V-470M(VX)	393344717	
C1221	TF C	ECQ-B50V-681J	374726814	
C1222	TF C	ECQ-B50V-681J	374726814	
C1223	TF C	ECQ-B50V-152J	374721524	
C1224	TF C	ECQ-B50V-152J	374721524	
C1225	TF C	ECQ-B50V-102J	374721024	
C1226	TF C	ECQ-B50V-102J	374721024	
C1227	VX C	CE04W50V-47M(VX)	393384707	
C1228	VX C	CE04W50V-47M(VX)	393384707	
C1229	TF C	ECQ-B50V-101K	374721015	
C1230	TF C	ECQ-B50V-101K	374721015	
C1302	ELECT C	CE04W6.3V-100M	354721019	
C1303	TF C	ECQ-V50V-104J	374721044	
C1304	VX C	CE04W50V-47M(VX)	393384707	
C1305	TF C	ECQ-V50V-104J	374721044	
C1306	VX C	CE04W50V-47M(VX)	393384707	
C1307	TF C	ECQ-V50V-104J	374721044	
C1308	VX C	CE04W6.3V-470M(VX)	393324717	
C1309	TF C	ECQ-V50V-104J	374721044	
C1310	VX C	CE04W6.3V-470M(VX)	393324717	
C1311	TF C	ECQ-B50V-101K	374721015	
C1312	TF C	ECQ-B50V-101K	374721015	
C1313	TF C	ECQ-B50V-101K	374721015	
C1314	TF C	ECQ-B50V-101K	374721015	
C1315	VX C	CE04W16V-470M(VX)	393344717	
C1316	VX C	CE04W16V-470M(VX)	393344717	
C1321	TF C	ECQ-B50V-681J	374726814	
C1322	TF C	ECQ-B50V-681J	374726814	
C1323	TF C	ECQ-B50V-152J	374721524	
C1324	TF C	ECQ-B50V-152J	374721524	
C1325	TF C	ECQ-B50V-102J	374721024	
C1326	TF C	ECQ-B50V-102J	374721024	
C1327	VX C	CE04W50V-47M(VX)	393384707	
C1328	VX C	CE04W50V-47M(VX)	393384707	
C1329	TF C	ECQ-B50V-101K	374721015	
C1330	TF C	ECQ-B50V-101K	374721015	
C1701	ELECT C	CE04W6.3V-100M	354721019	
C1704	ELECT C	CE04W6.3V-100M	354721019	
C1707	C-CERA C	CC725CH1H-220J1	342102204R1	
C1815	CERA C	CC45SL50V-470J	345024704	
C1901	ELECT C	CE04W25V-2200M(VZ)	394552227S	N
C1902	ELECT C	CE04W25V-2200M(VZ)	394552227S	N
C1903	ELECT C	CE04W16V-4700M	354744729S	
C1904	ELECT C	CE04W16V-6800M(VZ)	394546827S	N
C1905	TF C	ECQ-V50V-334J	374723344	
C1906	TF C	ECQ-V50V-334J	374723344	
C1907	TF C	ECQ-V50V-334J	374723344	
C1909	TF C	ECQ-V50V-334J	374723344	
C1911	VX C	CE04W16V-10M(VX)	393341007	
C1912	VX C	CE04W16V-10M(VX)	393341007	
C1913	ELECT C	CE04W16V-220M(VZ)	394542217	N
C1914	ELECT C	CE04W16V-220M(VZ)	394542217	N
C1915	VX C	CE04W50V-10M(VX)	393381007	
C1917	ELECT C	CE04W6.3V-220M(VZ)	394522217	N
C1918	ELECT C	CE04W6.3V-220M(VZ)	394522217	N
C1920	ELECT C	CE04W35V-220M	354762219	
C1921	ELECT C	CE04W50V-100M	354781019	
C1922	ELECT C	CE04W50V-47M	354784709	

	C1924	ELECT C	CE04W6.3V-100M	354721019	3/13 PAGE
	C1925	ELECT C	CE04W6.3V-1000M	354721029	
	C1926	ELECT C	CE04W50V-4.7M	354780479	
	C1927	ELECT C	CE04W16V-10M(VZ)	394541007	
	C1929	ELECT C	CE04W6.3V-470M(VZ)	394524717	N
MPP	C1931	ELECT C	CE04W16V-47M	354744709	
	C1934	ELECT C	CE04W6.3V-220M(VZ)	394522217	N
	CN401	SOCKET	NSCT-40P2509	25052612	
	CN501	SOCKET	NSCT-40P2509	25052612	
	D1201	C-DIODE	1SS352	223234R2	
	D1201 or	C-DIODE	1SS355	223269R2	
	D1202	C-DIODE	1SS352	223234R2	
	D1202 or	C-DIODE	1SS355	223269R2	
	D1203	C-DIODE	1SS352	223234R2	
	D1203 or	C-DIODE	1SS355	223269R2	
	D1204	C-DIODE	1SS352	223234R2	
	D1204 or	C-DIODE	1SS355	223269R2	
	D1901	DIODE	RBV402	22380022F	
	D1901 or	DIODE	D3SBA20	22380271	
	D1902	DIODE	RBV602	22380038S	
	D1903	DIODE	RBV602	22380038S	
	D1904	DIODE	RL1N4003	22380260	
	D1904 or	DIODE	1SR139-100	22380032	
	D1904 or	DIODE	GP104003E	22380035	
	D1905	DIODE	RL1N4003	22380260	
	D1905 or	DIODE	1SR139-100	22380032	
	D1905 or	DIODE	GP104003E	22380035	
	D1906	ZENER D	UDZ27B	224492700R2	
	D1907	DIODE	RBV602	22380038S	
	D1908	C-DIODE	1SS352	223234R2	
	D1908 or	C-DIODE	1SS355	223269R2	
	D1909	C-DIODE	1SS352	223234R2	
	D1909 or	C-DIODE	1SS355	223269R2	
	L1102	CHOKE COIL	NCH-1471	231237M022R2	
	L1202	CHOKE COIL	NCH-1471	231237M022R2	
	L1302	CHOKE COIL	NCH-1471	231237M022R2	
	L1701	CHOKE COIL	NCH-1471	231237M022R2	
	L1805	EMIFIL	BK1608LM182-T	230958R1	
	P101	PIN JACK	NPJ-4PDRW469	25045671	
	P102	PIN JACK	NPJ-6PDWRLEGP506	25045715	N
	P103	PIN JACK	NPJ-2PDLE507	25045716	N
MPP	P106A	SOCKET AS	NSAS-6P1026	2009990732UL	N
	P1101	HOLDER	(CRAMP) UA-0 V0	27190608-1	
	P1102	HOLDER	(CRAMP) UA-0 V0	27190608-1	
	P1401A	PLUG	NPLG-20P0975	25056025	
	P1701A	PLUG	NPLG-2P1098	25056159	N
	P1701B	PLUG	NPLG-2P1098	25056159	N
MDD	P1703	PIN JACK	NPJ-1PDOR403	25045592	
MPP	P1703	PIN JACK	NPJ-1PDOR403	25045592	
	P1803A	SOCKET	NSCT-26P2223	25052326	
	P1805	PIN JACK	NPJ-2PDB400	25045589	
	P1810	CRIMP AS	CRIMP AS TXSV70	2061712100UL	
	P1901	SOCKET	NSCT-7P2241	25052344	
	P1903B	SOCKET	NSCT-4P96	25050268	
	P1904B	SOCKET	NSCT-3P95	25050267	
MDD	P471B	PLUG	NPLG-8P136	25055152	
MPP	P471B	PLUG	NPLG-8P136	25055152	
	P701A	SOCKET	NSCT-24P2221	25052324	
	P901B	PLUG	NPLG-10P124	25055140	
MPP	P902A	SOCKET-AS	NSAS-20P0287	2002392010	
MDD	P903A	SOCKET-AS	NSAS-12P0235	2002391210	

	Q1102	IC	CS4392-KS	22241635R2	4/13 PAGE
	Q1103	IC	NJM2068V	22241869R2	N
	Q1104	IC	NJM2068V	22241869R2	N
	Q1105	IC	NJM4565V	22241554R2	
	Q1106	IC	NJM4565V	22241554R2	
	Q1109	TR	2SD655-E	2211705	
	Q1109 or	TR	2SD655-F	2211706	
	Q1110	TR	2SD655-E	2211705	
	Q1110 or	TR	2SD655-F	2211706	
	Q1111	TR	2SD655-E	2211705	
	Q1111 or	TR	2SD655-F	2211706	
	Q1112	TR	2SD655-E	2211705	
	Q1112 or	TR	2SD655-F	2211706	
	Q1113	TR	KRC107S	2216340R2	
	Q1113 or	TR	RN1407	2216260R2	
	Q1114	TR	KRC107S	2216340R2	
	Q1114 or	TR	RN1407	2216260R2	
	Q1115	TR	KRC107S	2216340R2	
	Q1115 or	TR	RN1407	2216260R2	
	Q1116	TR	KRC107S	2216340R2	
	Q1116 or	TR	RN1407	2216260R2	
	Q1117	TR	2SA1162-O	2214373R2	
	Q1117 or	TR	2SA1162-Y	2214374R2	
	Q1117 or	TR	KTA1504-GR	2216185R2	
	Q1118	TR	2SA1162-O	2214373R2	
	Q1118 or	TR	2SA1162-Y	2214374R2	
	Q1118 or	TR	KTA1504-GR	2216185R2	
	Q1119	IC	NE5532AN	22240656	
	Q1121	TR	2SC2712-O	2213143R2	
	Q1121 or	TR	2SC2712-Y	2213144R2	
	Q1121 or	TR	2SC2712-GR	2213145R2	
	Q1122	TR	2SC2712-O	2213143R2	
	Q1122 or	TR	2SC2712-Y	2213144R2	
	Q1122 or	TR	2SC2712-GR	2213145R2	
	Q1123	TR	KRC107S	2216340R2	
	Q1123 or	TR	RN1407	2216260R2	
	Q1124	TR	KRC107S	2216340R2	
	Q1124 or	TR	RN1407	2216260R2	
	Q1125	TR	KRA107S	2216350R2	
	Q1125 or	TR	RN2407	2216360R2	
	Q1126	TR	KRA107S	2216350R2	
	Q1126 or	TR	RN2407	2216360R2	
	Q1127	TR	KRC107S	2216340R2	
	Q1127 or	TR	RN1407	2216260R2	
	Q1128	TR	KRC107S	2216340R2	
	Q1128 or	TR	RN1407	2216260R2	
	Q1129	TR	2SC2712-O	2213143R2	
	Q1129 or	TR	2SC2712-Y	2213144R2	
	Q1129 or	TR	2SC2712-GR	2213145R2	
	Q1130	TR	2SC2712-O	2213143R2	
	Q1130 or	TR	2SC2712-Y	2213144R2	
	Q1130 or	TR	2SC2712-GR	2213145R2	
	Q1131	TR	2SC2712-O	2213143R2	
	Q1131 or	TR	2SC2712-Y	2213144R2	
	Q1131 or	TR	2SC2712-GR	2213145R2	
	Q1132	TR	2SC2712-O	2213143R2	
	Q1132 or	TR	2SC2712-Y	2213144R2	
	Q1132 or	TR	2SC2712-GR	2213145R2	
	Q1133	TR	2SC2712-O	2213143R2	
	Q1133 or	TR	2SC2712-Y	2213144R2	
	Q1133 or	TR	2SC2712-GR	2213145R2	

Q1134 or Q1134 or	TR TR	2SC2712-Y 2SC2712-GR	2213144R2 2213145R2	5/13 PAGE
Q1201	IC(REGURATOR)	74VHC157FT	22274157ER2	
Q1202	IC	CS4392-KS	22241635R2	
Q1203	IC	NJM2068V	22241869R2	N
Q1204	IC	NJM2068V	22241869R2	N
Q1205	IC	NJM4565V	22241554R2	
Q1206	IC	NJM4565V	22241554R2	
Q1209	TR	HN1C03F-B	2216141R2	
Q1210	TR	HN1C03F-B	2216141R2	
Q1211	TR	HN1C03F-B	2216141R2	
Q1212	TR	HN1C03F-B	2216141R2	
Q1213 Q1213 or	TR TR	KRC107S RN1407	2216340R2 2216260R2	
Q1214 Q1214 or	TR TR	KRC107S RN1407	2216340R2 2216260R2	
Q1215 Q1215 or	TR TR	KRC107S RN1407	2216340R2 2216260R2	
Q1216 Q1216 or	TR TR	KRC107S RN1407	2216340R2 2216260R2	
Q1217 Q1217 or Q1217 or	TR TR TR	2SA1162-O 2SA1162-Y KTA1504-GR	2214373R2 2214374R2 2216185R2	
Q1218 Q1218 or Q1218 or	TR TR TR	2SA1162-O 2SA1162-Y KTA1504-GR	2214373R2 2214374R2 2216185R2	
Q1219 Q1219 or Q1219 or	TR TR TR	2SC2712-O 2SC2712-Y 2SC2712-GR	2213143R2 2213144R2 2213145R2	
Q1220 Q1220 or Q1220 or	TR TR TR	2SC2712-O 2SC2712-Y 2SC2712-GR	2213143R2 2213144R2 2213145R2	
Q1221	IC	NJM4565V	22241554R2	
Q1301	IC(REGURATOR)	74VHC157FT	22274157ER2	
Q1302	IC	CS4392-KS	22241635R2	
Q1303	IC	NJM2068V	22241869R2	N
Q1304	IC	NJM2068V	22241869R2	N
Q1305	IC	NJM4565V	22241554R2	
Q1306	IC	NJM4565V	22241554R2	
Q1309	TR	HN1C03F-B	2216141R2	
Q1310	TR	HN1C03F-B	2216141R2	
Q1313 Q1313 or	TR TR	KRC107S RN1407	2216340R2 2216260R2	
Q1314 Q1314 or	TR TR	KRC107S RN1407	2216340R2 2216260R2	
Q1315 Q1315 or	TR TR	KRC107S RN1407	2216340R2 2216260R2	
Q1316 Q1316 or	TR TR	KRC107S RN1407	2216340R2 2216260R2	
Q1317 Q1317 or Q1317 or	TR TR TR	2SA1162-O 2SA1162-Y KTA1504-GR	2214373R2 2214374R2 2216185R2	
Q1318 Q1318 or Q1318 or	TR TR TR	2SA1162-O 2SA1162-Y KTA1504-GR	2214373R2 2214374R2 2216185R2	
Q1601	IC	TC74VHCU04FT	22274004HR2O	
Q1602	IC	TC7SH86FU-TCB	22241753R2	
Q1603	IC	TC7WH157FK	22241836R2	N
Q1604	IC	TC7WH74FK	22241839R2	N
Q1605	IC	TC74VHC32FT	22274032ER2O	N
Q1701	IC	TC74VHCU04FT	22274004HR2O	

	Q1703	PHT CP	GP1FA551TZ	24120085	6/13 PAGE
	Q1901	IC (REGULATOR)	7812	222780124	
	Q1901A	HEAT SINK	RAD-178	27160518	N
	Q1901B	SCREW	3P+10FN(BC)	82143010	
	Q1903	IC (REGULATOR)	78M12HF	222780125	
	Q1903A	RADIATOR	RAD-51(B)	27160220	
	Q1903B	SCREW	3P+10FN(BC)	82143010	
	Q1904	IC (REGULATOR)	79M12HF	222790125	
	Q1904A	RADIATOR	RAD-51(B)	27160220	
	Q1904B	SCREW	3P+10FN(BC)	82143010	
	Q1905	TR	2SB772-Q	2201275	
	Q1905 or	TR	2SB772-P	2201276	
	Q1906	IC (REGULATOR)	78M05HF	222780055	
	Q1906A	RADIATOR	RAD-51(B)	27160220	
	Q1906B	SCREW	3P+10FN(BC)	82143010	
	Q1907	IC (REGULATOR)	MPC29M05HF	22278005ENE	
	Q1907A	RADIATOR	RAD-51(B)	27160220	
	Q1907B	SCREW	3P+10FN(BC)	82143010	
	Q1908	TR	2SB772-Q	2201275	
	Q1908 or	TR	2SB772-P	2201276	
	Q1909	IC	PQ05RD11	22241495	
	Q1909A	HEAT SINK	RAD-178	27160518	N
	Q1909B	SCREW	3P+10FN(BC)	82143010	
	Q1910	TR	KRC107S	2216340R2	
	Q1910 or	TR	RN1407	2216260R2	
	Q1911	TR	2SD882-Q	2201285	
	Q1911 or	TR	2SD882-P	2201286	
	Q1913	TR	KRA107S	2216350R2	
	Q1913 or	TR	RN2407	2216360R2	
	Q1914	TR	2SA950-Y	2211504	
	Q1914 or	TR	2SA950-O	2211503	
	Q1915	IC (REGULATOR)	MPC2925T	22278025DR2NE	
	Q1915 or	IC (REGULATOR)	NJM2391DL1-25	22278025DR2JR	
	Q1916	IC	PQ30RV21	22241526	
	Q1916A	HEAT SINK	RAD-076	27160227	
	Q1916B	SCREW	3P+10FN(BC)	82143010	
	Q1917	TR	KRC107S	2216340R2	
	Q1917 or	TR	RN1407	2216260R2	
	Q1918	TR	KRC107S	2216340R2	
	Q1918 or	TR	RN1407	2216260R2	
MPP	Q1919	IC (REGULATOR)	78M08HF	222780085	
	Q1920	IC	PQ033EZ01Z	22241877R2	N
	R1101	METAL O R	RS1WBJ-22	443622204	
	R1112	METAL O R	RS1WBJ-22	443622204	
	S1201	SLIDE SW	NSS-22155	25065414	

U2: DISPLAY CIRCUIT PC BOARD (NADIS-7618)

DESTINATION	CIRCUIT NO.	PART NAME	DESCRIPTION	PART NO.	REMARK
	C701	ELECT C	CE04W6.3V-100M	355721019	
	C703	ELECT C	CE04W50V-22M	355782209	
	C704	ELECT C	CE04W6.3V-100M	355721019	
	D701	C-DIODE	1SS352	223234R2	
	D701 or	C-DIODE	1SS355	223269R2	
	D702	ZENER D	UDZS5.6B	224550560R2	
	D703	LED	SEL2E10C	225374	
	D704	LED	SEL2E10C	225374	
	D704A	HOLDER	(LED)	27191150	
	D705	LED	SEL2E10C	225374	
	D705A	HOLDER	(LED)	27191150	
	D706	LED	SEL2E10C	225374	

	D708	LED	SEL2E10C	225374	7/13 PAGE
	D711	ZENER D	UDZS4.7B	224550470R2	
MPP	E703	FUSE LABEL	T2.5A 250V_F911,F912	29363314	N
MWT	E703	FUSE LABEL	T2.5A 250V_F911,F912	29363314	N
MPS	E703	FUSE LABEL	T2.5A 250V_F911,F912	29363314	N
MWR	E703	FUSE LABEL	T2.5A 250V_F911,F912	29363314	
MWT	E704	FUSE LABEL	T800mAL250V	29362519	
MWR	E704	FUSE LABEL	T800mAL250V	29362519	
	JL771	JMP LEAD	JL5 100 B	5J100606B15	
	JL771A	WIRE HOL	NSCT-5P876	25051089	
	P701B P701Bor P701Bor	SOCKET SOCKET SOCKET	NSCT-24P2258 NSCT-24P1693 NSCT-24P2442	25052361 25051906 25052545	
	P731 P731 or P731 or	SOCKET SOCKET SOCKET	NSCT-7P2241 NSCT-7P1676 NSCT-7P2425	25052344 25051889 25052528	
	Q701 Q701 or	IC IC	MPD780232GC-077-8BT MPD780232GC-075-8BT	22241880R3 22241871R3	
	Q702	FL TUBE	14-BT-100GNK	212233	
	Q702A	HOLDER	(FL)	27191141	
	Q704 Q704 or	TR TR	KRA103S RN2403	2216230R2 2214540R2	
	Q705	REMO SENS	PIC-37043TH2	241336	
	Q706 Q706 or	TR TR	KRC107S RN1407	2216340R2 2216260R2	
	Q707 Q707 or	TR TR	KRC107S RN1407	2216340R2 2216260R2	
	Q708 Q708 or	TR TR	KRC107S RN1407	2216340R2 2216260R2	
	Q709 Q709 or	TR TR	KRC107S RN1407	2216340R2 2216260R2	
	Q710 Q710 or	TR TR	KRC107S RN1407	2216340R2 2216260R2	
	Q711 Q711 or	TR TR	KRC107S RN1407	2216340R2 2216260R2	
	Q712	IC	BD4746G	22241841R2	N
	Q723 Q723 or	TR TR	2SC2120-O 2SC2120-Y	2211163 2211164	
	Q724 Q724 or	TR TR	2SC2120-O 2SC2120-Y	2211163 2211164	
	S701	PUSH SW	NPS-111-S662	25035699	
	S702	PUSH SW	NPS-111-S662	25035699	
	S703	PUSH SW	NPS-111-S662	25035699	
	S704	PUSH SW	NPS-111-S662	25035699	
	S705	PUSH SW	NPS-111-S662	25035699	
	S706	PUSH SW	NPS-111-S662	25035699	
	S707	PUSH SW	NPS-111-S662	25035699	
	S708	PUSH SW	NPS-111-S662	25035699	
	S709	PUSH SW	NPS-111-S662	25035699	
	S710	PUSH SW	NPS-111-S662	25035699	
	S711	PUSH SW	NPS-111-S662	25035699	
	S712	PUSH SW	NPS-111-S662	25035699	
	S713	PUSH SW	NPS-111-S662	25035699	
	S714	PUSH SW	NPS-111-S662	25035699	
	S715	PUSH SW	NPS-111-S662	25035699	
	X701	CERA LOCK	CST5.00MGW	3010242	

U3: STANDBY LED PC BOARD (NADIS-7619)

DESTINATION	CIRCUIT NO.	PART NAME	DESCRIPTION	PART NO.	REMARK
	D721	LED	SEL4110R	225290	
	D722	LED	SEL2E10C	225374	

	Q721 Q721 or	TR	KRC107S RN1407	2216340R2 2216260R2	8/13 PAGE
	Q722 Q722 or	TR	KRC107S RN1407	2216340R2 2216260R2	
	S721	PUSH SW	NPS-111-S662	25035699	
	S722	PUSH SW	NPS-111-S662	25035699	
	S723	PUSH SW	NPS-111-S662	25035699	

U4: POWER TRANSFORMER PC BOARD (NAPS-7620)

DESTINATION	CIRCUIT NO.	PART NAME	DESCRIPTION	PART NO.	REMARK
	C981	IS C	DE1307E472M-KH	3300030	
	C982	IS C	DE1307E472M-KH	3300030	
MDD	F901A	FUSE HOL	NSCT-1P2031	25052133	
MWT	F901A	FUSE HOL	NSCT-1P2031	25052133	
MWR	F901A	FUSE HOL	NSCT-1P2031	25052133	
MDD	F901B	FUSE HOL	NSCT-1P2031	25052133	
MWT	F901B	FUSE HOL	NSCT-1P2031	25052133	
MWR	F901B	FUSE HOL	NSCT-1P2031	25052133	
MPP	F911	FUSE	2.5A-ULSE-TL250	252300	
MWT	F911	FUSE	2.5A-ULSE-TL250	252300	
MPS	F911	FUSE	2.5A-ULSE-TL250	252300	
MWR	F911	FUSE	2.5A-ULSE-TL250	252300	
MPP	F912	FUSE	2.5A-ULSE-TL250	252300	N
MWT	F912	FUSE	2.5A-ULSE-TL250	252300	N
MPS	F912	FUSE	2.5A-ULSE-TL250	252300	N
MWR	F912	FUSE	2.5A-ULSE-TL250	252300	
	J901	CRIMP AS	CRIMP AS	2069943106UL	
	J902	CRIMP AS	CRIMP AS	2069943358UL	
MDD	J904	CRIMP AS	CRIMP AS	2069943121UL	
MWT	J904	CRIMP AS	CRIMP AS	2069943121UL	
MWR	J904	CRIMP AS	CRIMP AS	2069943121UL	
MWS	J904	CRIMP AS	CRIMP AS	2069943121UL	
MDD	J905	CRIMP AS	CRIMP-AS	2069943123UL	
MWT	J905	CRIMP AS	CRIMP-AS	2069943123UL	
MWR	J905	CRIMP AS	CRIMP-AS	2069943123UL	
MWS	J905	CRIMP AS	CRIMP-AS	2069943123UL	
MDD	J906	CRIMP AS	CRIMP-AS	2069943154UL	
MWT	J906	CRIMP AS	CRIMP-AS	2069943154UL	
MWR	J906	CRIMP AS	CRIMP-AS	2069943154UL	
MWS	J906	CRIMP AS	CRIMP-AS	2069943154UL	
	L981	CHOKE COIL	NCH-3581	231301	
	P901A	SOCKET AS	NSAS-20P1072	2003B192025UL	N
MDD	R901	THERMISTOR	RUE300	4000210	N
MWS	R901	THERMISTOR	RUE300	4000210	N
MDD	R902	THERMISTOR	RUE400	4000211	N
MWS	R902	THERMISTOR	RUE400	4000211	N

U5: INLET TERMINAL PC BOARD (NAPS-7621)

DESTINATION	CIRCUIT NO.	PART NAME	DESCRIPTION	PART NO.	REMARK
	J903	CRIMP AS	CRIMP AS	2069943359UL	
MDD	P981B	AC INLET	NPLG-2P913	25055960	!
MPP	P981B	AC INLET	NPLG-2P913	25055960	!
MWT	P981B	AC INLET	NPLG-2P913	25055960	!
MPS	P981B	AC INLET	NPLG-2P913	25055960	!
MWR	P981B	AC INLET	NPLG-2P913	25055960	!
MWS	P981B	AC INLET	NPLG-2P913	25055960	!

U6: POWER SWITCH PC BOARD (NASW-7622)

DESTINATION	CIRCUIT NO.	PART NAME	DESCRIPTION	PART NO.	REMARK
	G001	IS C	DE275V-102M	25001066	!

U8: REGULATOR 1 PC BOARD (NAETC-7774)

DESTINATION	CIRCUIT NO.	PART NAME	DESCRIPTION	PART NO.	REMARK
	C1919	ELECT C	CE04W6.3V-220M	355722219	
	C1936	ELECT C	CE04W35V-10M(S)	353761009	
	P1904	JUMPER LEAD	JL3 250 H	3J250606H	
	P1904A	WIRE HOL	NSCT-3P894	25051107	
	Q1912	IC (REGULATOR)	79M05FA	222790055	

U9: VOLTAGE SELECTOR PC BOARD (NASW-7624) <MWT, MWS, MWR> only

DESTINATION	CIRCUIT NO.	PART NAME	DESCRIPTION	PART NO.	REMARK
MDD	S992	SLIDE SW	NSS-22157P	25065437	!
MWT	S992	SLIDE SW	NSS-22157P	25065437	!
MWR	S992	SLIDE SW	NSS-22157P	25065437	!
MWS	S992	SLIDE SW	NSS-22157P	25065437	!

U10: REGULATOR 2 PC BOARD NAETC-7775

DESTINATION	CIRCUIT NO.	PART NAME	DESCRIPTION	PART NO.	REMARK
	C1916	ELECT C	CE04W6.3V-220M	355722219	
	C1935	ELECT C	CE04W35V-10M(S)	353761009	
	P1903	JUMPER LEAD	JL4 200 H	4J200606H	
	P1903A	WIRE HOL	NSCT-4P895	25051108	
	Q1902	IC	PQ3RD23	22241771	

U11: VIDEO CIRCUIT PC BOARD NAVD-7632

DESTINATION	CIRCUIT NO.	PART NAME	DESCRIPTION	PART NO.	REMARK
	C2012	ELECT C	CE04W6.3V-100M	354721019	
	C2020	ELECT C	CE04W6.3V-100M	354721019	
	C2024	ELECT C	CE04W6.3V-220M	354722219	
	C2216	ELECT C	CE04W6.3V-100M	354721019	
	C2219	ELECT C	CE04W6.3V-100M	354721019	
	C2314	ELECT C	CE04W6.3V-100M	354721019	
	C2461	ELECT C	CE04W6.3V-100M	354721019	
	C2462	ELECT C	CE04W6.3V-100M	354721019	
	C2511	ELECT C	CE04W6.3V-100M	354721019	
	C2512	ELECT C	CE04W6.3V-100M	354721019	
	C2513	ELECT C	CE04W6.3V-100M	354721019	
	C2514	ELECT C	CE04W6.3V-100M	354721019	
MPP2P	C2801	ELECT C	CE04W6.3V-100M	354721019	
MPP2P	C2802	ELECT C	CE04W6.3V-100M	354721019	
MPP2P	C2803	ELECT C	CE04W6.3V-100M	354721019	
MPP2P	C2804	VX C	CE04W50V-22M(VX)	393382207	
MPP2P	C2805	VX C	CE04W50V-22M(VX)	393382207	
MPP2P	C2806	VX C	CE04W50V-22M(VX)	393382207	
MPP2P	C2807	ELECT C	CE04W6.3V-100M	354721019	
MPP2P	C2808	ELECT C	CE04W6.3V-100M	354721019	
MPP2P	D2901	C-DIODE	1SS352	223234R2	
MPP2P	D2902	DIODE	1SS226	223266R2	
	L2001	CHOKE COIL	NCH-1471	231237M022R2	
	L2501	LC BLOCK	VTF-1175A	3030047	N
	L2551	LC BLOCK	VTF-1175A	3030047	N
	L2601	LC BLOCK	VTF-1175A	3030047	N
MPP2P	L2901	EMIFIL	BK1608LM182-T	230958R1	
MPP2P	L2902	EMIFIL	BK1608LM182-T	230958R1	
MPP2P	L2903	EMIFIL	BK1608LM182-T	230958R1	
MPP2P	L2904	EMIFIL	BK1608LM182-T	230958R1	
MPP2P	L2905	EMIFIL	BK1608LM182-T	230958R1	

	P2402	SOCKET	NSCT-8P1743	25051956	10/13 PAGE
	P2501	PIN JACK	NPJ-3PDGLR429	25045622	
MPP2P	P2801A	SOCKET	NSCT-20P2483	25052586R2	N
MPP2P	P2801B	SOCKET	NSCT-20P2483	25052586R2	N
MPP2P	P2903	SOCKET	NSCT-21P2557	25052660	
MPP2P	P2904	SOCKET	NSCT-21P2557	25052660	
MPP2P	P902B	PLUG	NPLG-10P138	25055154	
Except MPP2P	P903B	PLUG	NPLG-6P134	25055150	
	Q2001	IC	PM0033A	22241827R3	N
	Q2002	IC	TC7WHU04FK	22241649R2	
	Q2003	TR	KRC107S	2216340R2	
	Q2003 or	TR	DTC114YKA	2216470R2	
	Q2004	TR	KRC107S	2216340R2	
	Q2004 or	TR	DTC114YKA	2216470R2	
	Q2201	IC	ADV7300A	22241828R3	N
	Q2301	IC	K4S643232E-TC60	22241837R3	N
	Q2401	TR	KTA1504-GR	2216185R2	#
	Q2401 or	TR	2SA1162-GR	2214375R2	#
	Q2401 or	TR	KTA1504-Y	2216184R2	#
	Q2401 or	TR	2SA1162-Y	2214374R2	#
	Q2402	TR	KTC3875-GR	2216175R2	#
	Q2402 or	TR	2SC2712-GR	2213145R2	#
	Q2402 or	TR	KTC3875-Y	2216174R2	#
	Q2402 or	TR	2SC2712-Y	2213144R2	#
	Q2421	TR	KTA1504-GR	2216185R2	#
	Q2421 or	TR	2SA1162-GR	2214375R2	#
	Q2421 or	TR	KTA1504-Y	2216184R2	#
	Q2421 or	TR	2SA1162-Y	2214374R2	#
	Q2422	TR	KTC3875-GR	2216175R2	#
	Q2422 or	TR	2SC2712-GR	2213145R2	#
	Q2422 or	TR	KTC3875-Y	2216174R2	#
	Q2422 or	TR	2SC2712-Y	2213144R2	#
	Q2441	TR	KTA1504-GR	2216185R2	
	Q2441 or	TR	2SA1162-GR	2214375R2	
	Q2441 or	TR	KTA1504-Y	2216184R2	
	Q2441 or	TR	2SA1162-Y	2214374R2	
	Q2461	IC	TK15420M	22241443R2	
	Q2462	IC	LA7106MFP	22241465R2	
	Q2501	TR	KTA1504-GR	2216185R2	#
	Q2501 or	TR	2SA1162-GR	2214375R2	#
	Q2501 or	TR	KTA1504-Y	2216184R2	#
	Q2501 or	TR	2SA1162-Y	2214374R2	#
	Q2502	TR	KTC3875-GR	2216175R2	#
	Q2502 or	TR	2SC2712-GR	2213145R2	#
	Q2502 or	TR	KTC3875-Y	2216174R2	#
	Q2502 or	TR	2SC2712-Y	2213144R2	#
	Q2503	IC	MAX4016ESA	22241441R2	
	Q2504	IC	MAX4018ESD	22241440R2	
	Q2551	TR	KTA1504-GR	2216185R2	#
	Q2551 or	TR	2SA1162-GR	2214375R2	#
	Q2551 or	TR	KTA1504-Y	2216184R2	#
	Q2551 or	TR	2SA1162-Y	2214374R2	#
	Q2552	TR	KTC3875-GR	2216175R2	#
	Q2552 or	TR	2SC2712-GR	2213145R2	#
	Q2552 or	TR	KTC3875-Y	2216174R2	#
	Q2552 or	TR	2SC2712-Y	2213144R2	#
	Q2601	TR	KTA1504-GR	2216185R2	#
	Q2601 or	TR	2SA1162-GR	2214375R2	#
	Q2601 or	TR	KTA1504-Y	2216184R2	#
	Q2601 or	TR	2SA1162-Y	2214374R2	#

	Q2602 or Q2602 or	TR	KTC3875-Y 2SC2712-Y	2216174R2 2213144R2	11/13#PAGE #
	Q2603	IC	MAX4016ESA	22241441R2	
MPP2P	Q2651	TR	KTA1504-GR	2216185R2	
MPP2P	Q2651 or	TR	2SA1162-GR	2214375R2	
MPP2P	Q2651 or	TR	KTA1504-Y	2216184R2	
MPP2P	Q2651 or	TR	2SA1162-Y	2214374R2	
MPP2P	Q2701	TR	KTA1504-GR	2216185R2	
MPP2P	Q2701 or	TR	2SA1162-GR	2214375R2	
MPP2P	Q2701 or	TR	KTA1504-Y	2216184R2	
MPP2P	Q2701 or	TR	2SA1162-Y	2214374R2	
MPP2P	Q2751	TR	KTA1504-GR	2216185R2	
MPP2P	Q2751 or	TR	2SA1162-GR	2214375R2	
MPP2P	Q2751 or	TR	KTA1504-Y	2216184R2	
MPP2P	Q2751 or	TR	2SA1162-Y	2214374R2	
MPP2P	Q2801	TR	2SC2712-GR	2213145R2	
MPP2P	Q2801 or	TR	KTC3875-GR	2216175R2	
MPP2P	Q2801 or	TR	2SC2712-Y	2213144R2	
MPP2P	Q2801 or	TR	KTC3875-Y	2216174R2	
MPP2P	Q2802	TR	KRC104S	2216210R2	
MPP2P	Q2802 or	TR	RN1404	2214490R2	
MPP2P	Q2803	IC	LA7106MFP	22241465R2	
MPP2P	Q2804	TR	RN2404	2214550R2	
MPP2P	Q2851	TR	RN1407	2216260R2	
MPP2P	Q2853	TR	RN2403	2214540R2	
MPP2P	Q2854	TR	RN2403	2214540R2	
MPP2P	Q2855	TR	RN1407	2216260R2	
MPP2P	Q2857	TR	RN2403	2214540R2	
MPP2P	Q2858	TR	RN2403	2214540R2	

U12: SCART TERMINAL PC BOARD NAVD-7634 <MPP2P> only

DESTINATION	CIRCUIT NO.	PART NAME	DESCRIPTION	PART NO.	REMARK
	C2903	ELECT C	CE04W6.3V-100M	354721019	
	C2904	ELECT C	CE04W6.3V-100M	354721019	
	C2909	ELECT C	CE04W16V-100M	354741019	
	C2911	ELECT C	CE04W16V-100M	354741019	
	C2913	ELECT C	CE04W16V-100M	354741019	
	C2917	ELECT C	CE04W6.3V-100M	354721019	
	C2919	ELECT C	CE04W6.3V-100M	354721019	
	C2922	ELECT C	CE04W16V-100M	354741019	
	C2924	ELECT C	CE04W16V-100M	354741019	
	C2928	ELECT C	CE04W6.3V-100M	354721019	
	C2929	ELECT C	CE04W6.3V-470M	354724719	
	C2930	ELECT C	CE04W6.3V-470M	354724719	
	C2931	ELECT C	CE04W6.3V-470M	354724719	
	C2932	ELECT C	CE04W6.3V-470M	354724719	
	C2933	ELECT C	CE04W6.3V-100M	354721019	
	C2934	ELECT C	CE04W6.3V-470M	354724719	
	C2935	ELECT C	CE04W6.3V-100M	354721019	
	C2936	ELECT C	CE04W6.3V-100M	354721019	
	C2937	ELECT C	CE04W6.3V-470M	354724719	
	C2938	ELECT C	CE04W6.3V-470M	354724719	
	C2939	ELECT C	CE04W6.3V-470M	354724719	
	C2940	ELECT C	CE04W6.3V-470M	354724719	
	P106B	PLUG	NPLG-3P131	25055147	
	Q2901	IC	4053BF(TC4053BF)	222840531R2O	
	Q2902	IC	4053BF(TC4053BF)	222840531R2O	
	Q2904	TR	RN1407	2216260R2	
	Q2905	TR	2SC2712-GR	2213145R2	
	Q2905 or	TR	KTC3875-GR	2216175R2	

	Q2905 or	TR	KTC3875-Y	2216174R2	12/13 PAGE
	Q2906	TR	2SC2712-GR	2213145R2	
	Q2906 or	TR	KTC3875-GR	2216175R2	
	Q2906 or	TR	2SC2712-Y	2213144R2	
	Q2906 or	TR	KTC3875-Y	2216174R2	
	Q2907	IC	4053BF(TC4053BF)	222840531R2O	
	Q2908	IC	4053BF(TC4053BF)	222840531R2O	
	Q2909	TR	2SC2712-GR	2213145R2	
	Q2909 or	TR	KTC3875-GR	2216175R2	
	Q2909 or	TR	2SC2712-Y	2213144R2	
	Q2909 or	TR	KTC3875-Y	2216174R2	
	Q2910	TR	RN1407	2216260R2	
	Q2911	TR	KTA1504-GR	2216185R2	
	Q2911 or	TR	2SA1162-GR	2214375R2	
	Q2911 or	TR	KTA1504-Y	2216184R2	
	Q2911 or	TR	2SA1162-Y	2214374R2	
	Q2912	TR	HN1A01F-GR	2215915R2	
	Q2913	TR	HN1A01F-GR	2215915R2	
	Q2914	TR	HN1A01F-GR	2215915R2	
	Q2915	TR	HN1A01F-GR	2215915R2	
	Q2916	TR	HN1A01F-GR	2215915R2	

U13: HEADPHONE TERMINAL PC BOARD NAETC-7617

DESTINATION	CIRCUIT NO.	PART NAME	DESCRIPTION	PART NO.	REMARK
	C471	ELECT C	CE04W16V-47M	354744709	
	C472	ELECT C	CE04W16V-47M	354744709	
	E471	RETAINER		27141059	
	L471	EMIFIL	BK1608LM182-T	230958R1	
	L472	EMIFIL	BK1608LM182-T	230958R1	
	L473	EMIFIL	BK1608LM182-T	230958R1	
	L474	EMIFIL	BK1608LM182-T	230958R1	
	L475	EMIFIL	BK1608LM182-T	230958R1	
	L476	EMIFIL	BK1608LM182-T	230958R1	
	L477	EMIFIL	BK1608LM182-T	230958R1	
	L478	EMIFIL	BK1608LM182-T	230958R1	
	L479	EMIFIL	BK1608LM182-T	230958R1	
	P471A	SOCKET AS	NSAS-16P1036	2009990741UL	N
	P472	JACK	YKB26-5138	25045257	
	Q471	IC	NJM4565M-D	22241383R2	
	Q473	TR	2SD655-E	2211705	
	Q473 or	TR	2SD655-F	2211706	
	Q473 or	TR	2SD655-F	2211706	
	R473	VARI R	N09RGL20KB20M	5112463	

U14: SACD CIRCUIT PC BOARD NADG-7761

DESTINATION	CIRCUIT NO.	PART NAME	DESCRIPTION	PART NO.	REMARK
	C1401	ELECT C	CE04W16V-100M	354741019	
	C1405	ELECT C	CE04W6.3V-100M	354721019	
	C1411	ELECT C	CE04W16V-220M	354742219	
	C1414	ELECT C	CE04W6.3V-220M	354722219	
	C1418	MKS C	MKS92-63V-105J	374491054	
	C1440	ELECT C	CE04W6.3V-220M	354722219	
	C1453	ELECT C	CE04W6.3V-220M	354722219	
	C1456	ELECT C	CE04W6.3V-220M	354722219	
	C1457	ELECT C	CE04W6.3V-220M	354722219	
	C1462	ELECT C	CE04W6.3V-470M	354724719	
	CN602	SOCKET	NSCT-40P2601	25052705R2	N
	L1401	CHOKE COIL	BLM21B222SPT	230921R2	
	L1402	CHOKE COIL	BLM21B222SPT	230921R2	
	L1403	CHOKE COIL	BLM21B222SPT	230921R2	

	L1405	CHOKE COIL	BLM21B222SPT	230921R2	13/13 PAGE
	L1406	CHOKE COIL	BLM21B222SPT	230921R2	
	L1407	CHOKE COIL	BLM21B222SPT	230921R2	
	L1408	EMIFIL	BK1608LL241-T	230959R1	
	L1409	EMIFIL	BK1608LL241-T	230959R1	
	L1410	EMIFIL	BK1608LL241-T	230959R1	
	P1401B	SOCKET	NSCT-20P2200	25052303	
	Q1401	IC	CXD2753R	22241829R3	N
	Q1402	IC	IS42S16100-7T	22241686R2	
	Q1403	IC	TC74VHC74FT	22274074ER2O	
	Q1404	IC	TC7SH08FU	22241830R2O	N
	Q1405	IC (REGULATOR)	MPC2925T	22278025DR2NE	
	Q1405 or	IC (REGULATOR)	NJM2391DL1-25	22278025DR2JR	
	Q1407	IC	TC7SH00FU	22241873R2O	N

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