

SLV-SE350/SE500/SE600/SE650/SE700/SE800/ SX600/SX700/SX800 RMT-V259/V259A/V259K/V259L/V288/V288A

SERVICE MANUAL



Photo: SLV-SE800

East European Model
SLV-SE500R/SE700R

French Model
SLV-SE600B/SE700B/SE800B/SX700B

German Model
SLV-SE650D/SE700D1/SE800D1/
SX700D/SX800D

Italian Model
SLV-SE600A/SE700D2/SE800D2

Middle East Model
SLV-SE350K/SE500K/SE600N/SE700K/
SE700N/SE800K/SE800N

North European Model
SLV-SE600E/SE700E2/SE800E/
SX600E/SX700E

Spanish Model
SLV-SE700E1

UK Model
SLV-SE700G/SE700I/SE800G

SR MECHANISM

Hi-Fi

- Refer to the SERVICE MANUAL of VHS MECHANICAL ADJUSTMENTS VI for MECHANICAL ADJUSTMENTS. (9-921-647-11)

* The abbreviations of SE350, SE500, SE600, SE650, SE700, SE800, SX600, SX700 and SX800 contained in this service manual are indicated when these models are common to all their corresponding models as given below.

Abbreviated model name	SE350	SE500	SE600	SE650	SE700	SE800	SX600	SX700	SX800
All model names	SE350K	SE500K SE500R	SE600A SE600B SE600E SE600N	SE650D	SE700B, SE700D1 SE700D2, SE700E1 SE700E2, SE700G SE700I, SE700K SE700N, SE700R	SE800B, SE800D1 SE800D2, SE800E SE800G, SE800K SE800N	SX600E	SX700B SX700D SX700E	SX800D
SLV-									

VHS VIDEO CASSETTE RECORDER

SONY[®]

SPECIFICATIONS

System

Channel coverage

SLV-SE350K, SE500K/R, SE600N,
SE700N/K/R, SE800N/K:

PAL (B/G, D/K)

VHF E2 to E12, R1 to R12

UHF E21 to E69, R21 to R69

CATV S1 to S41, S01 to S05

SLV-SE600A/E, SX600E, SE650D,
SE700D1/D2/E1/E2, SX700D/E,
SE800D1/D2/E, SX800D:

PAL (B/G)

VHF E2 to E12

VHF Italian channel A to H

UHF E21 to E69

CATV S01 to S05, S1 to S20

HYPER S21 to S41

SLV-SE600B, SE700B, SX700B, SE800B:
SECAM (L)

VHF F2 to F12

UHF F21 to F69

CATV B to Q

HYPER S21 to S41

PAL (B/G)

VHF E2 to E12

VHF Italian channel A to H

UHF E21 to E69

CATV S01 to S05, S1 to S20

HYPER S21 to S41

SLV-SE700G/I, SE800G:

PAL (I)

VHF IA to IJ, SA10 to SA13 (SLV-SE700I)

UHF B21 to B69

CATV S01 to S05, S1 to S20 (SLV-SE700I)

HYPER S21 to S41 (SLV-SE700I)

RF output signal

UHF channels 21 to 69

Aerial out

75-ohm asymmetrical aerial socket

Tape speed

SLV-SE350K, SE500K/R, SE600N,
SE700N/K/R, SE800N/K:

SP: PAL/MESECAM

23.39 mm/s (recording/playback)

NTSC 33.35 mm/s (playback only)

LP: PAL/MESECAM

11.70 mm/s (recording/playback)

NTSC 16.67 mm/s (playback only)

EP: NTSC 11.12 mm/s (playback only)

SLV-SE600A/E, SX600E, SE650D,

SE700D1/D2/E1/E2/G/I, SX700D/E,

SE800D1/D2/E/G, SX800D:

SP: PAL 23.39 mm/s (recording/playback)

NTSC 33.35 mm/s (playback only)

LP: PAL 11.70 mm/s (recording/playback)

NTSC 16.67 mm/s (playback only)

EP: NTSC 11.12 mm/s (playback only)

SLV-SE600B, SE700B, SX700B, SE800B:

SP: PAL 23.39 mm/s (recording/playback)

NTSC 33.35 mm/s (playback only)

SECAM 23.39 mm/s (recording/playback)

MESECAM 23.39 mm/s (playback only)

LP: PAL 11.70 mm/s (recording/playback)

NTSC 16.67 mm/s (playback only)

SECAM 11.70 mm/s (recording/playback)

MESECAM 11.70 mm/s (playback only)

EP: NTSC 11.12 mm/s (playback only)

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
4. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
5. Check the B+ voltage to see it is at the values specified.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK \triangle OR DOTTED LINE WITH MARK \triangle ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

Maximum recording/playback time
10 hrs. in LP mode (with E300 tape)
Fast-forward and rewind time
Approx. 1 min (with E180 tape)

Inputs and outputs

↪ LINE-1 (TV)

21-pin
Video input: pin 20
Audio input: pins 2 and 6
Video output: pin 19
Audio output: pins 1 and 3

DECODER/↪ LINE-2 IN (SLV-SE600B/E, SX600E,
SE650D, SE700B/D1/D2/E1/E2/N/K, SX700B/D/E)

↪ LINE-2 IN (SLV-SE700G, SE700I)

21-pin
Video input: pin 20
Audio input: pins 2 and 6

DECODER/↪ LINE-3 IN (SLV-SE500K,
SE800B/D1/D2/E/N/K, SX800D)

↪ LINE-3 IN (SLV-SE800G)

21-pin
Video input: pin 20
Audio input: pins 2 and 6

LINE-2-IN (SLV-SE500, SE800, SX800)

VIDEO IN, phono jack (1)
Input signal: 1 Vp-p, 75 ohms, unbalanced, sync
negative
AUDIO IN, phono jack (1) (SLV-SE500K/R, SE800N/K)
AUDIO IN, phono jack (2)
(EXCEPT SLV-SE500K/R, SE800N/K)
Input level: 327 mVrms
Input impedance: more than 47 kilohms

AUDIO OUT (SLV-SE650, SE700, SX700, SE800, SX800)

Phono jack (2)
Rated output level: 327mVrms
Load impedance: 47 kilohms
Output impedance: less than 10 kilohms

AUDIO OUT (SLV-SE500R)

Phono jack (1)
Rated output level: 327 mVrms
Load impedance: 47 kilohms
Output impedance: less than 10 kilohms

General

Power requirements

220 - 240 V AC, 50 Hz

Power consumption

21 W

Operating temperature

5°C to 40°C

Storage temperature

-20°C to 60°C

Dimensions including projecting parts and controls

Approx. 430 × 100 × 283 mm (w/h/d)

(EXCEPT SLV-SE800, SX800)

Approx. 430 × 100 × 290 mm (w/h/d)

(SLV-SE800, SX800)

Mass

Approx. 4.3 kg (EXCEPT SLV-SE800, SX800)

Approx. 4.4 kg (SLV-SE800, SX800)

Supplied accessories

Remote commander (1)

R6 (size AA) batteries (2)

Aerial cable (1)

Design and specifications are subject to change without
notice.

• Feature Difference

FEATURE \ SLV-	SE350K	SE500K	SE500R	SE600A	SE600B	SE600E	SE600N	SE650D	SE700B	SE700D1
HEAD/CH	2/2	4/4	4/4	4/6	4/6	4/6	4/6	4/6	4/6	4/6
SECAM(REC/PB)	X/X	X/X	X/X	X/X	O/O	X/X	X/X	X/X	O/O	X/X
ME-SECAM(REC/PB)	O/O	O/O	O/O	X/X	X/O	X/X	O/O	X/X	X/O	X/X
EURO INPUT	21pin	21pin × 2	21pin	21pin	21pin × 2	21pin × 2	21pin	21pin × 2	21pin × 2	21pin × 2
RCA FRONT LINE INPUT	X	2pin (B.Y)	2pin (B.Y)	X	X	X	X	X	X	X
ADDITIONAL REAR OUTPUT (AUDIO OUT)	X	X	1pin (B)	X	X	X	X	2pin (R.W)	2pin (R.W)	2pin (R.W)
MODULATOR SYSTEM	G/K	G/K	G/K	G	L/G	G	G/K	G	L/G	G
REMOTE COMMANDER RMT-	V288	V259	V259	V288	V288A	V288	V288	V288	V259A	V259

FEATURE \ SLV-	SE700D2	SE700E1	SE700E2	SE700G	SE700I	SE700K	SE700N	SE700R	SE800B	SE800D1
HEAD/CH	4/6	4/6	4/6	4/6	4/6	4/6	4/6	4/6	4/6	4/6
SECAM(REC/PB)	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	O/O	X/X
ME-SECAM(REC/PB)	X/X	X/X	X/X	X/X	X/X	O/O	O/O	O/O	X/O	X/X
EURO INPUT	21pin × 2	21pin × 2	21pin × 2	21pin × 2	21pin × 2	21pin × 2	21pin × 2	21pin	21pin × 2	21pin × 2
RCA FRONT LINE INPUT	X	X	X	X	X	X	X	X	3pin (R.W.Y)	3pin (R.W.Y)
ADDITIONAL REAR OUTPUT (AUDIO OUT)	2pin (R.W)	2pin (R.W)	2pin (R.W)	2pin (R.W)	2pin (R.W)	2pin (R.W)	2pin (R.W)	2pin (R.W)	2pin (R.W)	2pin (R.W)
MODULATOR SYSTEM	G	G	G	I	I	G/K	G/K	G/K	L/G	G
REMOTE COMMANDER RMT-	V259	V259	V259	V259K	V259I	V259	V259	V259	V259L	V259K

FEATURE \ SLV-	SE800D2	SE800E	SE800G	SE800K	SE800N	SX600E	SX700B	SX700D	SX700E	SX800D
HEAD/CH	4/6	4/6	4/6	4/6	4/6	4/6	4/6	4/6	4/6	4/6
SECAM(REC/PB)	X/X	X/X	X/X	X/X	X/X	X/X	O/O	X/X	X/X	X/X
ME-SECAM(REC/PB)	X/X	X/X	X/X	O/O	O/O	X/X	X/O	X/X	X/X	X/X
EURO INPUT	21pin × 2	21pin × 2	21pin × 2	21pin × 2	21pin × 2	21pin × 2	21pin × 2	21pin × 2	21pin × 2	21pin × 2
RCA FRONT LINE INPUT	3pin (R.W.Y)	3pin (R.W.Y)	3pin (R.W.Y)	3pin (R.W.Y)	3pin (R.W.Y)	X	X	X	X	3pin (R.W.Y)
ADDITIONAL REAR OUTPUT (AUDIO OUT)	2pin (R.W)	2pin (R.W)	2pin (R.W)	2pin (R.W)	2pin (R.W)	X	2pin (R.W)	2pin (R.W)	2pin (R.W)	2pin (R.W)
MODULATOR SYSTEM	G	G	I	G/K	G/K	G	L/G	G	G	G
REMOTE COMMANDER RMT-	V259K	V259K	V259L	V259	V259	V288	V259L	V259K	V259K	V259

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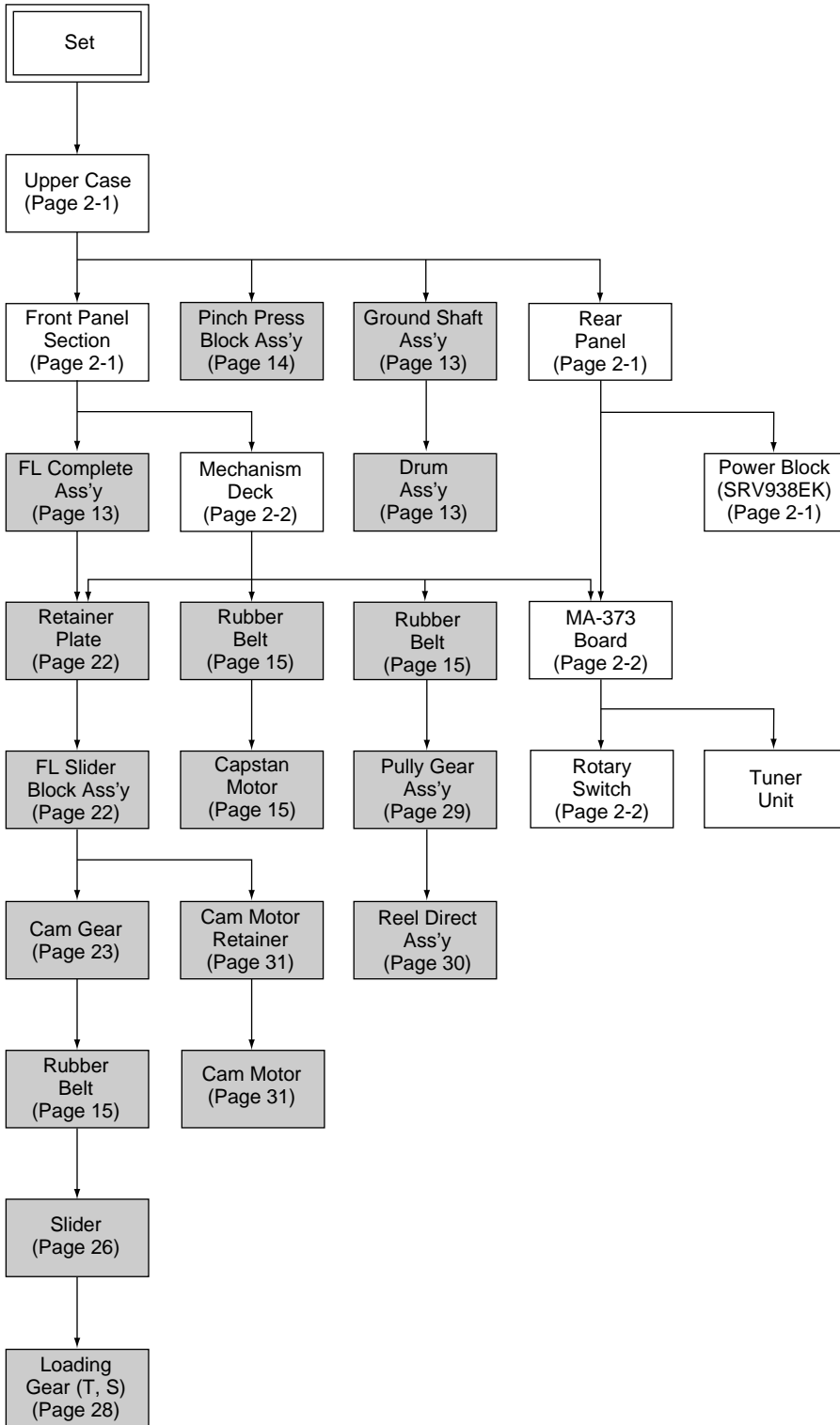
SERVICE NOTE

1. DISASSEMBLY

- This set can be disassembled in the order shown below.

Note: Pages in indicated pages in the SERVICE MANUAL.

Pages in indicated pages in the VHS MECHANICAL ADJUSTMENT MANUAL VI.



SECTION 1
GENERAL

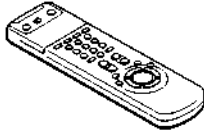
This section is extracted from SLV-SE800N/K instruction manual. (3-868-277-11)

Getting Started

Step 1 : Unpacking

Check that you have received the following items with the VCR:

- Remote commander



- Aerial cable



- R6 (size AA) batteries



Check your model name

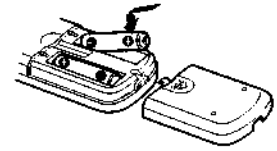
The instructions in this manual are for the 9 models: SLV-SE350K, SE500K, SE500R, SE600N, SE700N, SE700K, SE700R, SE800N, and SE800K. Check your model number by looking at the rear panel of your VCR. SLV-SE800N is the model used for illustration purposes. Any difference in operation is clearly indicated in the text, for example, "SLV-SE350K only."

Step 2 : Setting up the remote commander

Inserting the batteries

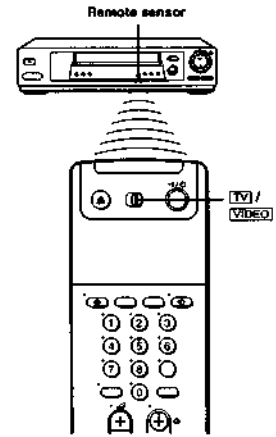
Insert two R6 (size AA) batteries by matching the + and - on the batteries to the diagram inside the battery compartment.

Insert the negative (-) end first, then push in and down until the positive (+) end clicks into position.



Using the remote commander

You can use this remote commander to operate this VCR and a Sony TV. Buttons on the remote commander marked with a dot (•) can be used to operate your Sony TV. If the TV does not have the symbol near the remote sensor, this remote commander will not operate the TV.

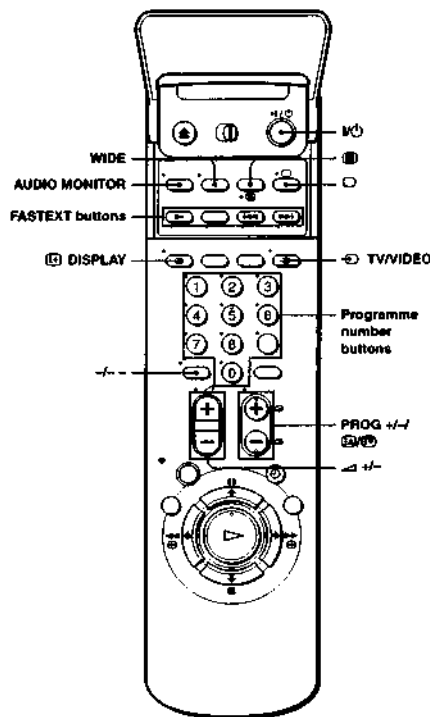


To operate	Set [TV] / [VIDEO] to
the VCR	[VIDEO] and point at the remote sensor at the VCR
a Sony TV	[TV] and point at the remote sensor at the TV

continued

4 Unpacking

Setting up the remote commander 5



TV control buttons

To	Press
Set the TV to standby mode	[P]
Select an input source: aerial in or line in	[TV/VIDEO]
Select the TV's programme position	Programme number buttons, ---, PROG +/-

To	Press
Adjust the volume of the TV	[VOLUME +/-]
Switch to TV (Teletext off)*	[TV]
Switch to Teletext*	[Teletext]
Select the sound	AUDIO MONITOR
Use FASTEXT*	FASTEXT buttons
Call up the on-screen display	[DISPLAY]
Change the Teletext page**	[PAGE]
Switch to/from wide mode of a Sony wide TV (For other manufacturers' wide TVs, see "Controlling other TVs with the remote commander (not available on SLV-SE350K and SE600N)" below.)	WIDE

Notes

- With normal use, the batteries should last about three to six months.
- If you do not use the remote commander for an extended period of time, remove the batteries to avoid possible damage from battery leakage.
- Do not use a new battery together with an old one.
- Do not use different types of batteries together.
- Some buttons may not work with certain Sony TVs.

* not available on SLV-SE350K and SE600N

Controlling other TVs with the remote commander (not available on SLV-SE350K and SE600N)

The remote commander is preprogrammed to control non-Sony TVs. If your TV is listed in the following table, set the appropriate manufacturer's code number.

- 1 Set [TV] / [VIDEO] at the top of the remote commander to [TV].
- 2 Hold down [P], and enter your TV's code number using the programme number buttons. Then release [P].

Now you can use the following TV control buttons to control your TV:

[P], [TV/VIDEO], programme number buttons, --- (ten's digit), PROG +/-, [VOLUME +/-], [TV], [Teletext], FASTEXT buttons, WIDE*, MENU*, [PAGE], and OK*.

* These buttons may not work with all TVs

continued

6 Setting up the remote commander

Setting up the remote commander 7

Code numbers of controllable TVs

If more than one code number is listed, try entering them one at a time until you find the one that works with your TV.

To switch to wide mode, see the footnotes below this table for the applicable code numbers.

Manufacturer	Code number	Manufacturer	Code number
Sony	01 ^{**} , 02	Panasonic	17 ^{**} , 49
Akai	68	Philips	06 ^{**} , 07 ^{**} , 08 ^{**}
Ferguson	52	Saba	12, 13
Grundig	10 ^{**} , 11 ^{**}	Samsung	22, 23
Hitachi	24	Sanyo	25
JVC	33	Sharp	29
Loewe	45	Telefunken	36
Mivar	09, 70	Thomson	43 ^{**}
NEC	66	Toshiba	38
Nokia	15, 16, 69 ^{**}		

^{**} Press WIDE to switch the wide picture mode on or off.

^{**} Press WIDE, then press \leftarrow or \rightarrow to select the wide picture mode you want.

^{**} Press WIDE. The menu appears on the TV screen. Then, press \uparrow / \downarrow / \leftarrow / \rightarrow to select the wide picture you want and press OK.

Tip

To see if you set your TV's code number correctly, try turning your TV on and off with the I/O button.

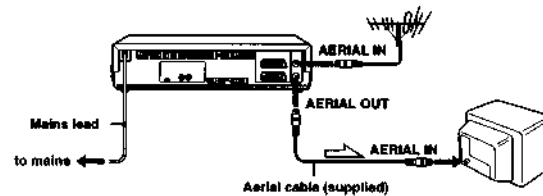
Notes

- If you enter a new code number, the code number previously entered will be erased.
- If the TV uses a different remote control system from the one programmed to work with the VCR, you cannot control your TV with the remote commander.
- When you replace the batteries of the remote commander, the code number may change. Set the appropriate code number every time you replace the batteries.

Step 3 : Connecting the VCR

If your TV has a Scart (EURO-AV) connector, see page 10.

If your TV does not have a Scart (EURO-AV) connector



\rightarrow : Signal flow

- 1 Disconnect the aerial cable from your TV and connect it to AERIAL IN on the rear panel of the VCR.
- 2 Connect AERIAL OUT of the VCR and the aerial input of your TV using the supplied aerial cable.
- 3 Connect the mains lead to the mains.

Note

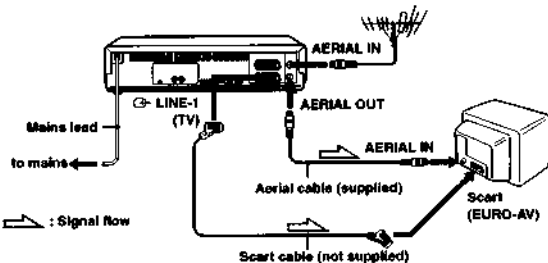
- When you connect the VCR and your TV only with an aerial cable, you have to tune your TV to the VCR (see page 14).

continued

8 | Setting up the remote commander

Connecting the VCR | 9

If your TV has a Scart (EURO-AV) connector



\rightarrow : Signal flow

- 1 Disconnect the aerial cable from your TV and connect it to AERIAL IN on the rear panel of the VCR.
- 2 Connect AERIAL OUT of the VCR and the aerial input of your TV using the supplied aerial cable.
- 3 Connect LINE-1 (TV) on the VCR and the Scart (EURO-AV) connector on the TV with the optional Scart cable.
This connection improves picture and sound quality. Whenever you want to watch the VCR picture, press TV/VIDEO to display the VIDEO indicator in the display window.
- 4 Connect the mains lead to the mains.

Note

- If the TV is connected to the LINE-1 (TV) connector, setting the RF channel to OFF is recommended. In the OFF position, only the signal from the aerial is output through the AERIAL OUT connector (see page 16).

About the SMARTLINK features (not available on SLV-SE600N and SE700R)

If the connected TV complies with SMARTLINK, MEGALOGIC^{**1}, EASYLINK^{**2}, Q-Link^{**3}, EURO VIEW LINK^{**4}, or T-V LINK^{**5}, this VCR automatically runs the SMARTLINK function after you complete the steps on the previous page (the SMARTLINK indicator appears in the VCR's display window when you turn on the TV). You can enjoy the following SMARTLINK features.



- Preset Download**
You can download your TV tuner preset data to this VCR and tune the VCR according to that data in Auto Set Up. This greatly simplifies the Auto Set Up procedure. Be careful not to disconnect the cables or exit the Auto Set Up function during the procedure. See "Setting up the VCR with the Auto Set Up function" on page 17.
- TV Direct Rec**
You can easily record what you are watching on the TV. For details, see "Recording what you are watching on the TV (TV Direct Rec) (not available on SLV-SE600N and SE700R)" on page 47.
- One Touch Play**
With One Touch Play, you can start playback automatically without turning on the TV. For details, see "Starting playback automatically with one button (One Touch Play) (not available on SLV-SE600N and SE700R)" on page 43.
- One Touch Menu**
You can turn on the VCR and TV, set the TV to the video channel, and display the VCR's on-screen display automatically by pressing MENU on the remote commander.
- One Touch Timer**
You can turn on the VCR and TV, set the TV to the video channel, and display the timer recording menu (the TIMER METHOD menu, the TIMER menu, or the SHOWVIEW menu) automatically by pressing TV/VIDEO on the remote commander. You can set which timer recording menu is displayed using TIMER OPTIONS in the OPTIONS-2 menu (see page 79).
- Automatic Power Off**
You can have the VCR turn off automatically, if the VCR is not used after you turn off the TV.

^{**1} "MEGALOGIC" is a registered trademark of Grundig Corporation.

^{**2} "EASYLINK" is a trademark of Philips Corporation.

^{**3} "Q-Link" is a trademark of Panasonic Corporation.

^{**4} "EURO VIEW LINK" is a trademark of Toshiba Corporation.

^{**5} "T-V LINK" is a trademark of JVC Corporation.

Note

- Not all TVs respond to the functions above.

continued

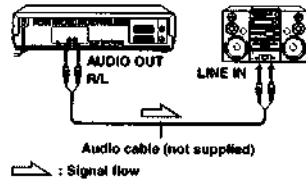
10 | Connecting the VCR

Connecting the VCR | 11

Additional connections

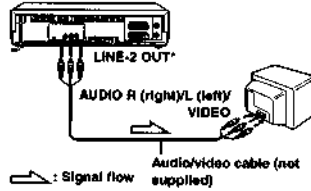
To a stereo system (SLV-SE700N/K and SE800N only)

You can improve sound quality by connecting a stereo system to the AUDIO OUT R/L jacks as shown on the right.



To a TV with audio and video jacks (SLV-SE500R, SE700R and SE800K only)

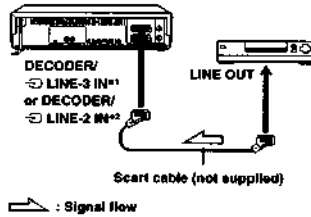
If your TV does not have a Scart (EURO-AV) connector, you can improve sound and picture quality by connecting your TV to the LINE-2 OUT jacks as shown on the right.



* SLV-SE500R has only AUDIO L (left) and VIDEO jacks.

To a satellite or digital tuner with Line Through (not available on SLV-SE350K, SE500R, SE600N and SE700R)

Using the Line Through function, you can watch programmes from a satellite or digital tuner connected to this VCR on the TV even when the VCR is turned off. When you turn on the satellite or digital tuner, this VCR automatically sends the signal from the satellite or digital tuner to the TV without turning itself on.



- 1 Connect the satellite or digital tuner to the DECODER/LINE-3 IN* (or DECODER/LINE-2 IN**) connector as shown above.
- 2 Set DECODER/LINE3* (or DECODER/LINE2**) to LINE3* (or LINE2**) in the OPTIONS-2 menu.

3 Set POWER SAVE to OFF in the OPTIONS-2 menu.

4 Turn off the VCR.

To watch a programme, turn on the satellite or digital tuner and the TV.

Note

- * You cannot watch programmes on the TV while recording unless you are recording a satellite or digital programme.

*1 SLV-SE500K and SE800N/K only

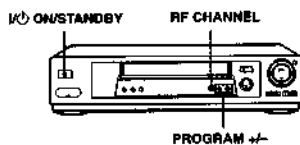
** SLV-SE700N/K only

Step 4 : Tuning your TV to the VCR

If your TV has a Scart (EURO-AV) connector, see page 16.

If your TV does not have a Scart (EURO-AV) connector

Follow the steps below so that your TV will properly receive the video signals from your VCR.



- 1 **ONSTAN** Press **ON/STANDBY** to turn on the VCR.
- 2 **AUTO ST UP** Press **RF CHANNEL** on the VCR lightly.
RF CHANNEL The factory-preset RF channel appears in the display window.
The VCR signal is output through this channel to the TV.
- 3 Turn on your TV and select a programme position for the VCR picture.
This programme position will now be referred to as the video channel.
- 4 **AUTO ST UP** Press **RF CHANNEL**.
RF CHANNEL The TV system appears in the display window.

- 5 **PROGRAM +/-** Press **PROGRAM +/-** (repeatedly) to select the appropriate TV system for your area.
 Select "G" for the B/G TV system, or "K" for the D/K TV system.

- 6 Tune the TV to the same channel shown in the VCR display window so that the picture on the right appears clearly on the TV screen.
Refer to your TV manual for TV tuning instructions.
If you select the wrong TV system in step 5, the picture on the right may not appear. Select the appropriate TV system and tune the TV again.
If the picture does not appear clearly, see "To obtain a clear picture from the VCR" below.

- 7 **AUTO ST UP** Press **RF CHANNEL**.
RF CHANNEL You have now tuned your TV to the VCR. Whenever you want to play a tape, set the TV to the video channel.

To check to see if the TV tuning is correct

Set the TV to the video channel and press **PROGRAM +/-** on the VCR. If the TV screen changes to a different programme each time you press **PROGRAM +/-**, the TV tuning is correct.

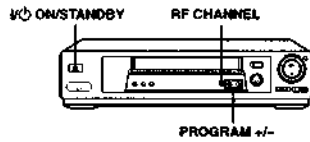
To obtain a clear picture from the VCR

If the screen does not appear clearly in step 6 above, go to step 7 to finish this procedure once. Then start again from step 2. After pressing **RF CHANNEL** in step 2, press **PROGRAM +/-** while the **RF CHANNEL** is displayed, so that another **RF CHANNEL** appears. Then tune the TV to the new **RF CHANNEL** so that a clear picture appears.

Note

- * If you set the wrong TV system, you may have no sound or sound may be distorted.

If your TV has a Scart (EURO-AV) connector

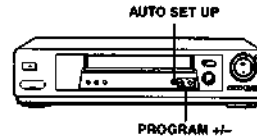


- 1 **ONSTAN** Press **ON/STANDBY** to turn on the VCR.
- 2 **AUTO SET UP** Press **RF CHANNEL** on the VCR lightly.
The factory-preset RF channel appears in the display window.
The VCR signal is output through this channel to the TV.
- 3 **PROGRA** Press **PROGRAM +/-** to set the RF channel to OFF, and press **RF CHANNEL** again.

AUTO SET UP RF channel set up is complete.

Step 5 : Setting up the VCR with the Auto Set Up function

Before using the VCR for the first time, set up the VCR using the Auto Set Up function. With this function, you can set the language for the on-screen display, TV channels, guide channels for the ShowView system*, and VCR clock* automatically.



- 1 **AUTO SET UP** Hold down **AUTO SET UP** on the VCR for more than three seconds.
The VCR automatically turns on, and the country abbreviation appears in the display window.
- 2 **PROGRA** Press **PROGRAM +/-** to select the abbreviation of your country from the table on page 18.
For some countries, there is a selection of languages to choose from.
If your country does not appear, select ELSE.

16 Tuning your TV to the VCR

- 3 **AUTO SET UP** Press **AUTO SET UP** lightly.
The VCR starts searching for all of the receivable channels and presets them according to the TV system you selected in "Tuning your TV to the VCR" on page 14.
If you want to change the order of the channels or disable unwanted programme positions, see "Changing/disabling programme positions" on page 30.

If you use the SMARTLINK connection (not available on SLV-SE600N and SE700R), the Preset Download function starts and the SMARTLINK indicator flashes in the display window during download.

After the search or download is complete, the current time appears in the display window for any stations that transmit a time signal (not available on SLV-SE500R, SE600N and SE700R).

The abbreviations of the countries and languages are as follows:

Abbreviation	Country	Language
CZ	Czech	Czech
HUN	Hungary	Hungarian
PL	Poland	Polish
SK	Slovakia	Slovak
TR	Turkey	Turkish
RUS	Russia	Russian
ELSE	Other countries	English

To cancel the Auto Set Up function

Press **AUTO SET UP**.

Tip

- If you want to change the language for the on-screen display from the one preset in the Auto Set Up function, see page 24

Notes

- If you stop the Auto Set Up function during step 3, you must repeat set up from step 1.
- Whenever you operate the Auto Set Up function, some of the settings (ShowView*, timer, etc.) will be reset. If this happens, you have to set them again.

* not available on SLV-SE500R, SE600N and SE700R

continued

Setting up the VCR with the Auto Set Up function | 17

Step 6 : Setting the clock

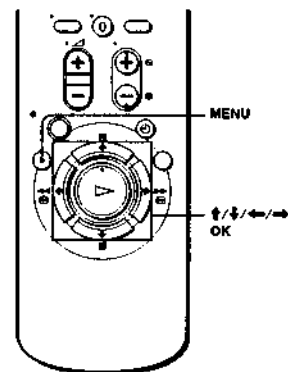
You must set the time and date on the VCR to use the timer features properly.

The Auto Clock Set function (not available on SLV-SE300R, SE600N and SE700R) works only if a station in your area is broadcasting a time signal. If the Auto Set Up function did not set the clock correctly for your local area, try another station for the Auto Clock Set function (see page 22).

Setting the clock manually

Before you start...

- Turn on the VCR and the TV.
- Set the TV to the video channel.




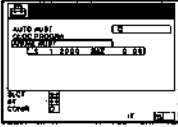
- 1 **MENU** Press **MENU**, then press **↑/↓** to highlight **SETTINGS** and press **OK**.
- 2 **CLOCK** Press **↑/↓** to highlight **CLOCK**, then press **OK**.
For SLV-SE500R, SE600N and SE700R, only the clock setting menu appears. Skip the next step and go to step 4.

continued


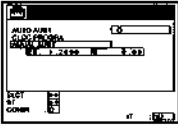
18 Setting up the VCR with the Auto Set Up function

Setting the clock | 19


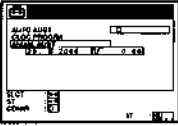
3 Press \uparrow/\downarrow to highlight MANUAL ADJUST, then press OK.


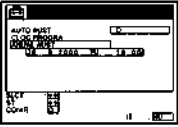
4 Press \uparrow/\downarrow to set the day.


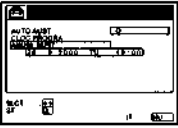
5 Press \rightarrow to highlight the month and set the month pressing \uparrow/\downarrow .


6 Set the year, hour, and minutes in sequence, pressing \rightarrow to highlight the item to be set, and press \uparrow/\downarrow to select the digits. The day of the week is set automatically.

7 Press OK to start the clock.

8 Press MENU to exit the menu.



Tip

- To change the digits while setting, press \leftarrow to return to the item to be changed, and select the digits by pressing \uparrow/\downarrow .
- If you want to return to the previous menu, highlight RETURN and press OK.

Note

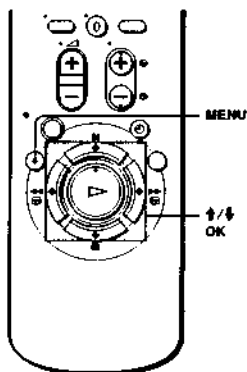
- The menu disappears automatically if you don't proceed for more than a few minutes.

continued


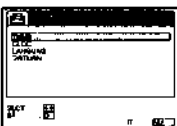
Changing the station for the Auto Clock Set function (not available on SLV-SE500R, SE600N and SE700R)

Before you start...



- Turn on the VCR and the TV.
- Set the TV to the video channel.




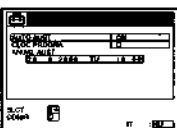
1 Press MENU, then press \uparrow/\downarrow to highlight SETTINGS and press OK.



2 Press \uparrow/\downarrow to highlight CLOCK, then press OK. AUTO ADJUST is highlighted.



3 Press OK.



4 Press \uparrow/\downarrow to highlight ON, then press OK.


5 Press \downarrow to highlight CLOCK PROGRAM, then press OK.

6 Press \uparrow/\downarrow repeatedly until the programme position of the station that carries a time signal appears. If the VCR does not receive a time signal from any station, AUTO ADJUST returns to OFF automatically.

7 Press MENU to exit the menu.



Tip

- If you set AUTO ADJUST to ON, the Auto Clock Set function is activated whenever the VCR is turned off. The time is adjusted automatically by making reference to the time signal from the station whose programme position is displayed in the "CLOCK PROGRAM" row. If you do not need the Auto Clock Set, select OFF.
- If you want to return to the previous menu, highlight RETURN and press OK.

Note

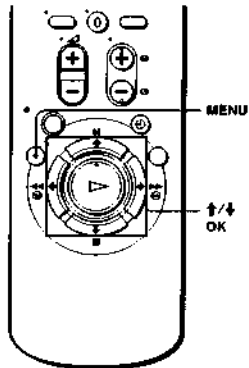
- The menu disappears automatically if you don't proceed for more than a few minutes.

Selecting a language

You can change the on-screen display language from the one you selected with the Auto Set Up function.

Before you start...

- Turn on the VCR and the TV.
- Set the TV to the video channel.



- 3 Press \uparrow/\downarrow to highlight the desired language, then press OK.



- 4 Press MENU to exit the menu.



Tip

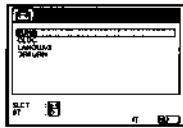
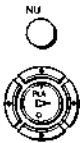
- If you want to return to the previous menu, highlight RETURN and press OK

Note

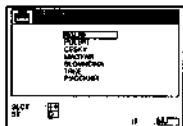
- The menu disappears automatically if you don't proceed for more than a few minutes.

Getting Started

- 1 Press MENU, then press \uparrow/\downarrow to highlight SETTINGS and press OK.



- 2 Press \uparrow/\downarrow to highlight LANGUAGE, then press OK.

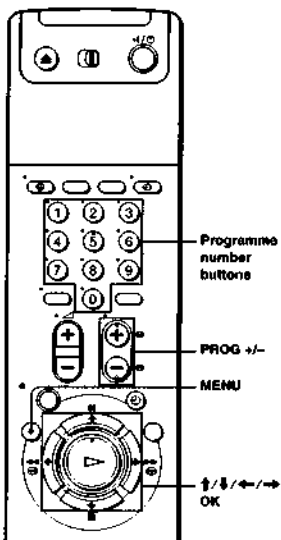


Presetting channels

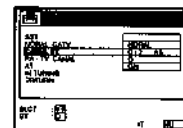
If some channels could not be preset using the Auto Set Up function, you can preset them manually.

Before you start...

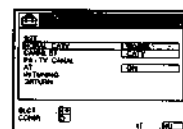
- Turn on the VCR and the TV.
- Set the TV to the video channel.



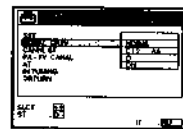
- 2 Press \uparrow/\downarrow to highlight TUNER, then press OK.



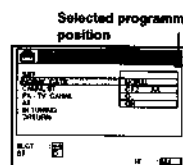
- 3 Press \uparrow/\downarrow to highlight NORMAL/CATV, then press OK.



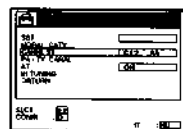
- 4 Press \uparrow/\downarrow to highlight NORMAL, then press OK.
To preset CATV (Cable Television) channels, select CATV.



- 5 Press PROG +/- to select the programme position.




- 6 Press \uparrow/\downarrow to highlight CHANNEL SET, then press OK.

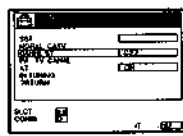


Getting Started

7 Press \uparrow/\downarrow repeatedly until the channel you want is displayed.



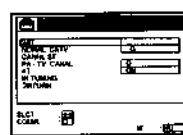
The channels appear in the following order:



B/G TV system		D/K TV system	
Channel number in the CHANNEL SET field	Receiveable Channel	Channel number in the CHANNEL SET field	Receiveable Channel
C02	E2	C02	R1
C03	E3	C05	R6
C04	E4	C06	R7
C05	E5	C12	R12
C06	E6	C13	R2
C07	E7	C14	R3
C08	E8	C15	R4
C09	E9	C16	R5
C10	E10	C17	R8
C11	E11	C18	R9
C12	E12	C19	R10
C21-C69	E21-E69	C20	R11
S01-S41	S1-S41	C21-C69	R21-R69
S42-S46	S01-S05		


If you know the number of the channel you want, press the programme number buttons. For example, for channel 5, first press "0" and then press "5."

8 If the TV sound is distorted or noisy, press \uparrow/\downarrow to highlight SYSTEM and press OK. Then press \uparrow/\downarrow to select B/G or D/K so that you get better sound.



9 To preset another programme position, repeat steps 5 through 7.

10 Press MENU to exit the menu.

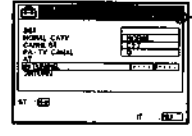


If the picture is not clear

Normally, the Auto Fine Tuning (AFT) function automatically tunes in channels clearly. However, if the picture is not clear, you may also use the manual tuning function.

- 1 Press PROG +/- or the programme number buttons to select the programme position for which you cannot obtain a clear picture.
- 2 Press MENU, then select SETTINGS and press OK.
- 3 Select TUNER, then press OK.
- 4 Select FINE TUNING, then press OK.

The fine tuning meter appears.



- 5 Press \leftarrow/\rightarrow to get a clearer picture, then press MENU to exit the menu. Note that the AFT (Auto Fine Tuning) setting switches to OFF.

Tip
• If you want to return to the previous menu, highlight RETURN and press OK.

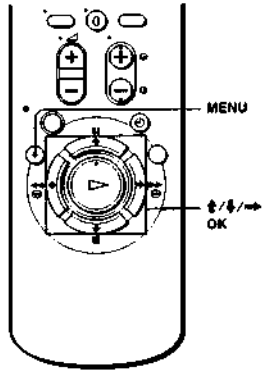
Notes
• The menu disappears automatically if you don't proceed for more than a few minutes.
• When adjusting FINE TUNING, the menu may become difficult to read due to interference from the picture being received.

Changing/disabling programme positions

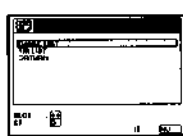
After setting the channels, you can change the programme positions as you like. If any programme positions are unused or contain unwanted channels, you can disable them. You can also change the station names (not available on SLV-SE500R, SE600N and SE700R). If the station names are not displayed, you can enter them manually.

Changing programme positions

Before you start...
• Turn on the VCR and the TV.
• Set the TV to the video channel.



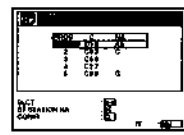
1 Press MENU, then press \uparrow/\downarrow to highlight LISTS and press OK.



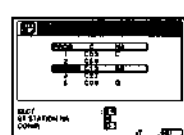
2 Press \uparrow/\downarrow to highlight CHANNEL LIST, then press OK.




3 Press \uparrow/\downarrow to highlight the row which you want to change the programme position, then press \rightarrow . To display other pages for programme positions 6 to 60, press \uparrow/\downarrow repeatedly.



4 Press \uparrow/\downarrow until the selected channel row moves to the desired programme position. The selected channel is inserted at the new programme position and the intermediate channels are displaced to fill the gap.




5 Press OK to confirm the setting.



6 To change the programme position of another station, repeat steps 3 through 5.

7 Press MENU to exit the menu.



Tip
• If you want to return to the previous menu, highlight RETURN and press OK.

Note
• The menu disappears automatically if you don't proceed for more than a few minutes.

Getting Started

Getting Started

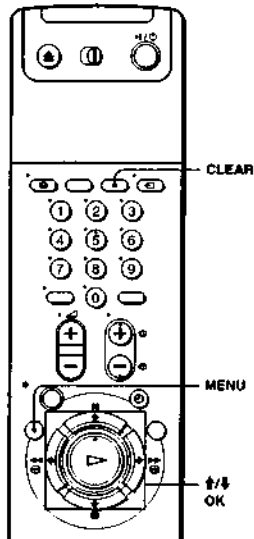
continued


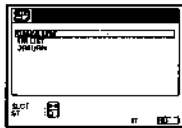

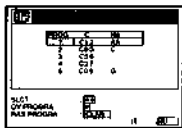
Disabling unwanted programme positions


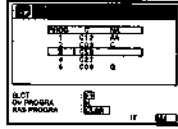

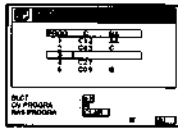

After presetting channels, you can disable unused programme positions. The disabled positions will be skipped later when you press the PROG +/- buttons.

Before you start...

- Turn on the VCR and the TV.
- Set the TV to the video channel.



-  Press MENU, then press \uparrow/\downarrow to highlight LISTS, and press OK.
 
-  Press \uparrow/\downarrow to highlight CHANNEL LIST, then press OK.
 

-  Press \uparrow/\downarrow to highlight the row which you want to disable.
 
-  Press CLEAR. The selected row will be cleared as shown on the right.
 
- Repeat steps 3 and 4 for any other programme positions you want to disable.
-  Press MENU to exit the menu.

Tip

- If you want to return to the previous menu, highlight RETURN and press OK.

Notes

- The menu disappears automatically if you don't proceed for more than a few minutes.
- Be sure to select the programme position you want to disable correctly. If you disable a programme position by mistake, you need to reset that channel manually.

Getting Started

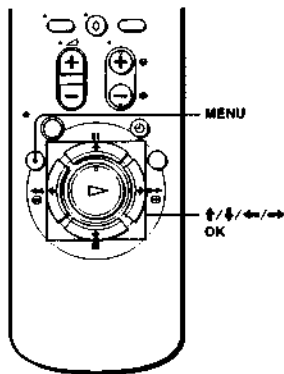
continued


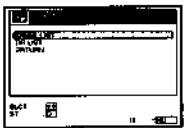

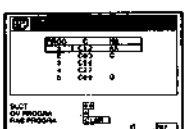

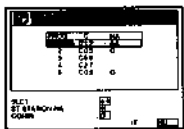
Changing the station names (not available on SLV-SE500R, SE600N and SE700R)


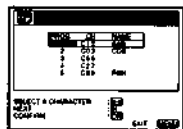

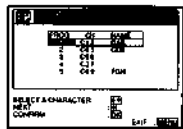

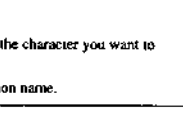

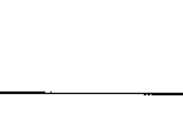

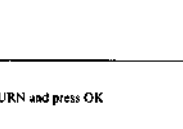
You can change or enter the station names (up to 5 characters). The VCR must receive channel information (for instance, SMARTLINK information) for station names to appear automatically.

Before you start...

- Turn on the VCR and the TV.
- Set the TV to the video channel.



-  Press MENU, then press \uparrow/\downarrow to highlight LISTS and press OK.
 
-  Press \uparrow/\downarrow to highlight CHANNEL LIST, then press OK.
 
-  Press \uparrow/\downarrow to highlight the row which you want to change or enter the station name, then press \rightarrow . To display other pages for programme positions 6 to 60, press \uparrow/\downarrow repeatedly.
 

-  Press \rightarrow .
 
-  Enter the station name. Each time you press \uparrow , the character changes as shown below. A \rightarrow B \rightarrow ... \rightarrow Z \rightarrow a \rightarrow b \rightarrow ... \rightarrow z \rightarrow 0 \rightarrow 1 \rightarrow ... \rightarrow 9 \rightarrow (symbols) \rightarrow (blank space) \rightarrow A.
 
-  Press \rightarrow to set the next character. The next space is highlighted. To correct a character, press \leftarrow/\rightarrow until the character you want to correct is highlighted, then reset it. You can set up to 5 characters for the station name.
 
-  Press OK to confirm the new name.
 
-  Press MENU to exit the menu.
 

Tip

- If you want to return to the previous menu, highlight RETURN and press OK.

Notes

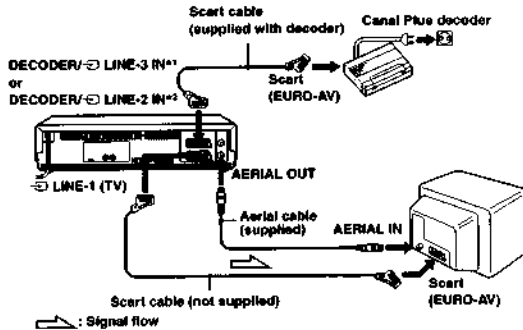
- The menu disappears automatically if you don't proceed for more than a few minutes.
- If you enter a symbol in step 5, it will appear as a blank space in the display window.

Getting Started

Setting the Canal Plus decoder (not available on SLV-SE350K, SE500R, SE600N and SE700R)

You can watch or record Canal Plus programmes if you connect a decoder (not supplied) to the VCR.

Connecting a decoder



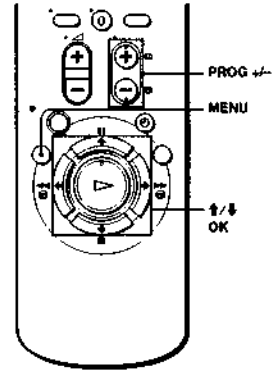
Setting Canal Plus channels

To watch or record Canal Plus programmes, set your VCR to receive the channels using the on-screen display.

In order to set the channels correctly, be sure to follow all of the steps below.

Before you start...

- Turn on the VCR, the TV, and the decoder.
- Set the TV to the video channel.



Getting Started

- Press MENU, then press \uparrow/\downarrow to highlight **OPTIONS** and press OK.
- Press \uparrow/\downarrow to highlight **OPTIONS-2**, then press OK.
- Press \uparrow/\downarrow to highlight **DECODER/LINE3*1** (or **DECODER/LINE2*2**), then press OK.

continued

36 Setting the Canal Plus decoder (not available on SLV-SE350K, SE500R, SE600N and SE700R)

- Press \uparrow/\downarrow to highlight **DECODER**, then press OK.
- Press MENU to exit the menu. The menu disappears from the TV screen.
- Press MENU again. Then press \uparrow/\downarrow to highlight **SETTINGS** and press OK.
- Press \uparrow/\downarrow to highlight **TUNER**, then press OK.
- Press \uparrow/\downarrow to highlight **NORMAL/CATV**, then press OK.

Setting the Canal Plus decoder (not available on SLV-SE350K, SE500R, SE600N and SE700R) 37

- Press \uparrow/\downarrow to highlight **NORMAL**, then press OK.

To preset CATV (Cable Television) channels, select **CATV**.
- Press **PROG +/-** to select the desired programme position.

Selected programme position
- Press \uparrow/\downarrow to highlight **CHANNEL SET**, then press OK.
- Press \uparrow/\downarrow to select the Canal Plus channels, then press OK.
- Press \uparrow/\downarrow to highlight **PAY-TV/CANAL+**, then press OK.

continued


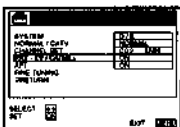
38 Setting the Canal Plus decoder (not available on SLV-SE350K, SE500R, SE600N and SE700R)

Setting the Canal Plus decoder (not available on SLV-SE350K, SE500R, SE600N and SE700R) 39


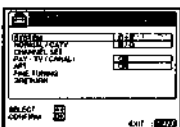
Getting Started

Playing a tape


14 Press \uparrow/\downarrow to highlight ON, then press OK.

15 If the TV sound is distorted or noisy, press \uparrow/\downarrow to highlight SYSTEM and press OK. Then press \uparrow/\downarrow to select B/G or D/K so that you get better sound.

16 Press MENU to exit the menu.



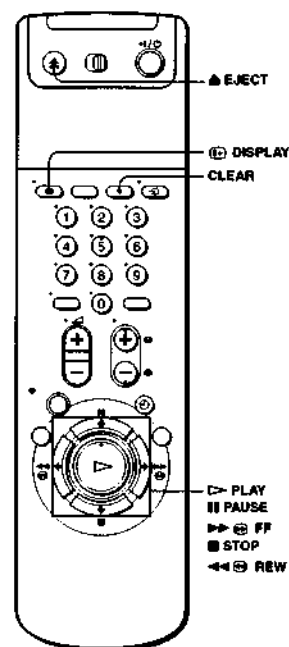
Tip

- If you want to return to the previous menu, highlight RETURN and press OK.

Notes

- The menu disappears automatically if you don't proceed for more than a few minutes.
- To superimpose subtitles while watching Canal Plus programmes, make both decoder-VCR and VCR-TV connections using 21-pin Scart cables that are compatible with the RGB signals. You cannot record subtitles on the VCR.
- When you watch Canal Plus programmes through the RFU input of the TV, press \rightarrow TV/VIDEO so that the VIDEO indicator appears in the display window.

- * SLV-SE500K and SE800NK only
- ** SLV-SE700NK only




- 1 Turn on your TV and set it to the video channel.
- 2 Insert a tape.
The VCR turns on and starts playing automatically if you insert a tape with its safety tab removed.

continued

40 Setting the Canal Plus decoder (not available on SLV-SE350K, SE500R, SE600N and SE700R)

Playing a tape 41

3 Press \rightarrow PLAY.
When the tape reaches the end, it will rewind automatically.



Additional tasks

To	Press
Stop play	\blacksquare STOP
Pause play	\parallel PAUSE
Resume play after pause	\parallel PAUSE or \rightarrow PLAY
Fast-forward the tape	\gg FF during stop
Rewind the tape	\ll REW during stop
Eject the tape	\blacktriangle EJECT

To set the colour system

If the playback picture has no colour, or streaks appear during playback, set COLOUR SYSTEM in the OPTIONS-1 menu to conform to the system that the tape was recorded in (see page 79). (Normally set the option to AUTO.)

To play an NTSC-recorded tape

Set NTSC PB at the rear of the VCR according to the colour system of your TV.

When your TV is	Set NTSC PB to
PAL only	ON PAL TV
PAL and NTSC	NTSC 4.43

To use the time counter

Press CLEAR at the point on the tape that you want to find later. The counter in the display window resets to "0:00:00." Search for the point afterwards by referring to the counter.



To display the counter on the TV screen, press \rightarrow DISPLAY.

Notes

- The counter resets to "0:00:00" whenever a tape is reinserted.
- The counter stops counting when it comes to a portion with no recording.
- The time counter does not appear on the TV screen when using an NTSC-recorded tape.
- Depending on your TV, the following may occur while playing an NTSC-recorded tape:
 - The picture becomes black and white.
 - The picture shakes.
 - No picture appears on the TV screen.
 - Black streaks appear horizontally on the TV screen.
 - The colour density increases or decreases.
- If you play back a tape in the LP or EP mode with the NTSC system, the sound becomes monaural.
- While setting the menu on the TV screen, buttons for playback on the remote commander do not function.
- The picture's colour may be affected when playing a MESECAM-recorded tape in the LP mode.*

* SLV-SE350K only

Starting playback automatically with one button (One Touch Play)
(not available on SLV-SE600N and SE700R)

If you use the SMARTLINK connection, you can turn on the VCR and the TV, set the TV to the video channel, and start playback automatically with one button.

- 1 Insert a tape.
The VCR automatically turns on.
If you insert a tape with its safety tab removed, the TV turns on and switches to the video channel. Playback starts automatically.
- 2 Press \rightarrow PLAY.
The TV turns on and switches to the video channel automatically. Playback starts.

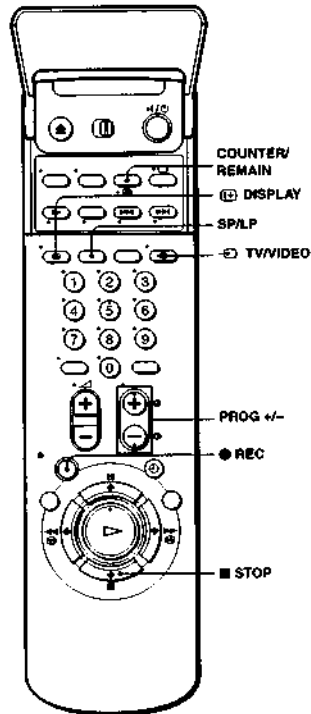
Tip

- When there already is a tape in the VCR, the VCR and the TV turn on, the TV is set to the video channel, and playback starts automatically in one sequence when you press \rightarrow PLAY.

Note

- When you use the One Touch Play function, leave the TV on or in the standby mode.

Recording TV programmes



- 1 Turn on your TV and set it to the video channel.
To record from a decoder, turn it on.
- 2 Insert a tape with its safety tab in place.

- 3 Press PROG +/- to select the programme position or station name*1 you want to record.
- 4 Press SP/LP to select the tape speed, SP or LP.

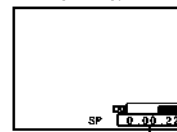
LP (Long Play) provides recording time twice as long as SP. However, SP (Standard Play) produces better picture and audio quality.
- 5 Press REC to start recording.

The recording indicator lights up red in the display window.

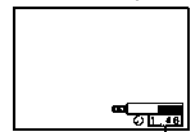
To stop recording
Press ■ STOP.

To check the remaining time

Press [DISPLAY]. With the display on, press COUNTER/REMAIN to check the remaining time. Each time you press COUNTER/REMAIN, the time counter and the remaining time appear alternately. The [C] indicator indicates the remaining time.



Time counter



Remaining time

In order to get an accurate remaining time indication, be sure TAPE LENGTH in the OPTIONS-1 menu is set according to the tape type you use (see page 79).

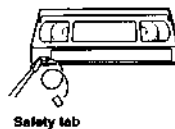
To watch another TV programme while recording

- 1 Press [TV/VIDEO] to turn off the VIDEO indicator in the display window.
- 2 Select another programme position on the TV.

continued

To save a recording

To prevent accidental erasure, break off the safety tab as illustrated. To record on the same tape again, cover the tab hole with adhesive tape.



Safety tab

Tips

- To select a programme position, you can use the programme number buttons on the remote commander. For two-digit numbers, press the +/- (ten's digit) button followed by the programme number buttons.
- If you connect additional equipment to a LINE connector or jack, you can select the input signal using the INPUT SELECT or PROG +/- buttons.
- The [DISPLAY] information appears on the TV screen indicating information about the tape, but the information won't be recorded on the tape.
- If you don't want to watch TV while recording, you can turn off the TV. When using a decoder, make sure to leave it on.

Notes

- The [DISPLAY] information does not appear during still (pause) mode or slow-motion playback.
- The [DISPLAY] information will not appear while playing an NTSC-recorded tape.
- If a tape has portions recorded in both PAL (MESECAM) and NTSC systems, the time counter reading will not be correct. This discrepancy is due to the difference between the counting cycles of the two video systems.
- You cannot watch a Canal Plus programme while recording another Canal Plus programme.*1
- When you insert a non-standard commercially available tape, the remaining time may not be correct.
- The remaining time is intended for rough measurement only.
- About 30 seconds after the tape begins playback, the tape remaining time will be displayed.
- The station name*1 may not appear if the VCR does not receive station name information signals.

*1 not available on SLV-SE500R, SE600N and SE700R

*2 not available on SLV-SE350K, SE500R, SE600N and SE700R

Recording what you are watching on the TV (TV Direct Rec)

(not available on SLV-SE600N and SE700R)

If you use the SMARTLINK connection, you can easily record what you are watching on the TV (other than tapes being played on the VCR).

- 1 Insert a tape with its safety tab in place.
- 2 Press REC while you are watching a TV programme or external source.

The VCR automatically turns on, then the TV indicator lights up and the VCR starts recording what you are watching on the TV.

Tips

- The TV indicator appears in the display window after you press REC in some situations such as:
 - when you are watching a source connected to the TV's line input, or
 - when the TV tuner preset data for the programme position is different from the data in the VCR tuner preset.
- If there is a tape with its safety tab in place in the VCR, the VCR automatically turns on and starts recording what you are watching on the TV when you press REC.
- You can turn the TV Direct Rec function ON and OFF in the OPTIONS-2 menu (see page 79).

Notes

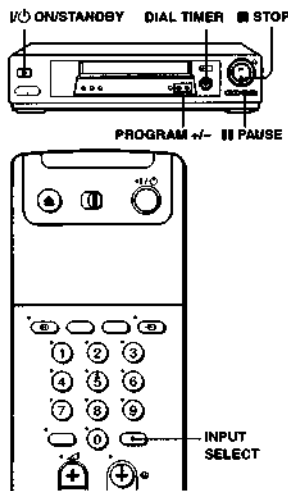
- You cannot record what you are watching using this method when the VCR is in the following modes; pause, timer standby, tuner preset, Auto Set Up, and recording.
- When the TV indicator is lit in the display window, do not turn off the TV nor change the TV programme position. When the TV indicator is not lit, the VCR continues recording the programme even if you change the TV programme position on the TV.

Recording TV programmes using the Dial Timer (SLV-SE800N/K only)

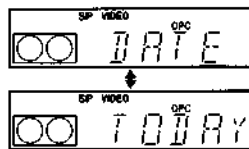
The Dial Timer function allows you to make timer recordings of programmes without turning on your TV. Set the recording timer to record up to eight programmes, including settings made with other timer methods, that will be broadcast within the next month. The recording start time and recording stop time can be set at one minute intervals.

Before you start...

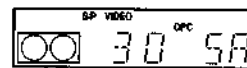
- Insert a tape with its safety tab in place. Make sure the tape is longer than the total recording time.
- To record from a decoder, turn it on.



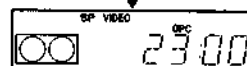
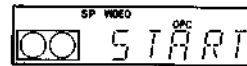
- 1 **DIAL TIMER** Press DIAL TIMER. "DATE" and "TODAY" appear alternately in the display window. If the date and time are not set, "DAY" will appear. See step 2 in the following section. "To set the clock" to set the date and time.



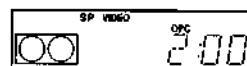
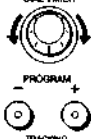
- 2 **DIAL TIMER** Turn DIAL TIMER to set the recording date.



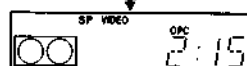
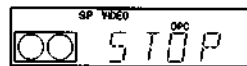
- 3 **DIAL TIMER** Press DIAL TIMER. "START" and the current time appear alternately in the display window.



- 4 **DIAL TIMER** Turn DIAL TIMER to set the recording start time. You can set the recording start time in 15 minute intervals or adjust the time in one minute intervals by pressing the PROGRAM +/- buttons.

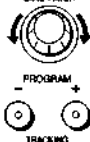


- 5 **DIAL TIMER** Press DIAL TIMER. "STOP" and the recording stop time appear alternately in the display window.

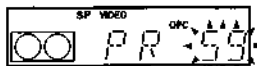


continued

- 6 **DIAL TIMER** Turn DIAL TIMER to set the recording stop time. You can set the recording stop time in 15 minute intervals or adjust the time in one minute intervals by pressing the PROGRAM +/- buttons.



- 7 **DIAL TIMER** Press DIAL TIMER. The programme position or station name appears in the display window.



- 8 **DIAL TIMER** Turn DIAL TIMER to set the programme position. To record from a decoder or other source connected to one or more of the LINE inputs, turn DIAL TIMER or press INPUT SELECT to display the connected line in the display window.



- 9 **DIAL TIMER** Press DIAL TIMER to complete the setting. "OK" appears in the display window for about five seconds. The indicator appears in the display window and the VCR stands by for recording.



To record from a decoder or other source, leave the connected equipment turned on.

To return to the previous step

To return to the previous step, press the PROGRAM + and - buttons on the VCR at the same time during any of the dial timer settings.

To stop recording

To stop the VCR while recording, press STOP.

To use the VCR after setting the timer

To use the VCR before a recording begins, just press ON. The indicator turns off and the VCR turns on. Remember to press ON to reset the VCR to recording standby after using the VCR.

You can also do the following tasks while the VCR is recording:

- Reset the counter (page 42).
- Display tape information on the TV screen (page 45).
- Check the timer settings (page 68).
- Watch another TV programme (page 45).

To set the clock

- 1 Turn DIAL TIMER so that "CLOCK" appears in the display window.
- 2 Press DIAL TIMER. "DAY" appears in the display window.
- 3 Turn DIAL TIMER to set the day.
- 4 Press DIAL TIMER. "MONTH" appears in the display window.
- 5 Turn and press DIAL TIMER to set the month, and then the year. After you set the year, "CLOCK" appears in the display window again.
- 6 Turn and press DIAL TIMER to set the hour and minute.
- 7 When you have finished setting the time, press DIAL TIMER to start the clock.

Tips

- To cancel a Dial Timer setting, press STOP on the VCR while you are making the setting.
- The programme is recorded in the current tape speed mode. To change the tape speed, press SPLP before you complete the setting in step 9.
- When you are recording a programme in the SP mode and the remaining tape becomes shorter than the recording time, the tape speed is automatically changed to the LP mode. Note that some interference will appear on the picture at the point the tape speed is changed. If you want to keep the tape speed, set AUTO LONG PLAY to OFF in the OPTIONS-1 menu (page 79).
- To check, change, or cancel the programme setting, see "Checking/changing/cancelling timer settings" (page 68).

Notes

- If eight programmes have already been set using the ShowView system or the TIMER menu, "FULL" appears in the display window for about five seconds.
- The indicator flashes in the display window when you complete the setting in step 9 with no tape inserted.
- If you set the clock using the Auto Clock Set function and AUTO ADJUST is set to ON, the clock will adjust itself to the incoming time signal regardless of adjustments made with the Dial Timer. Be sure you have set ACS correctly.
- The station name may not appear if the VCR does not receive station name information signals.

continued

About the Demonstration Mode

The DIAL TIMER function has a Demonstration Mode that allows the user, such as a salesperson, to enter more than eight examples of timer settings when demonstrating the use of the DIAL TIMER. It cancels the "FULL" notice which appears if eight programmes have already been set. Do not use the Demonstration Mode for making timer recordings. Doing so may cause the settings to be inaccurate.

To activate the Demonstration Mode

Press **II** (pause) on the VCR while turning the DIAL TIMER. "DEMO" appears in the display window for a few seconds.

To cancel the Demonstration Mode

Turn the power off and unplug the mains lead. Although the Demonstration Mode is cancelled, the timer settings entered while using the Demonstration Mode will remain. Be sure to manually cancel the timer settings before you use the Dial Timer or any other timer method after reconnecting the mains lead (see page 68).

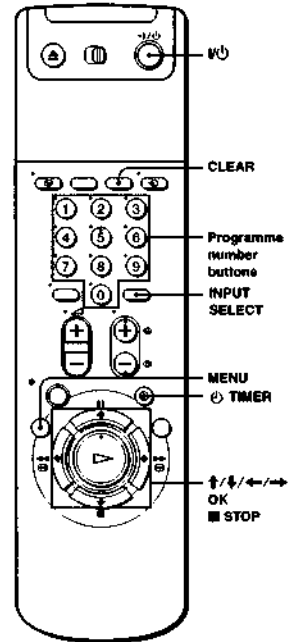
Recording TV programmes using the ShowView system

(not available on SLV-SE500R, SE600N and SE700R)

The ShowView system is the feature that simplifies programming the VCR to make timer recordings. Just enter the ShowView number listed in the TV programme guide. The date, times, and programme position of that programme are set automatically. You can preset a total of eight programmes, including settings made with other timer methods.

Before you start...

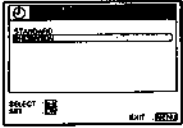

- Check that the VCR clock is set to the correct time and date.
- Insert a tape with its safety tab in place. Make sure the tape is longer than the total recording time.
- To record from a decoder, turn it on.
- Turn on your TV and set it to the video channel.
- Set **TIMER OPTIONS** to **SHOWVIEW** or **VARIABLE** in the **OPTIONS-2** menu (see page 79).




Basic Operations

continued

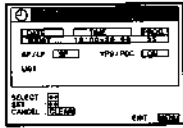
- 1** **TIMER** Press **⊙** **TIMER**.

 - When you set **TIMER OPTIONS** to **VARIABLE**: The **TIMER METHOD** menu appears on the TV screen. Press **↑/↓** to select **SHOWVIEW**, then press **OK**.
 - When you set **TIMER OPTIONS** to **SHOWVIEW**: The **SHOWVIEW** menu appears on the TV screen.

- 2** Press the programme number buttons to enter the ShowView number.

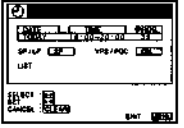
If you make a mistake, press **CLEAR** and re-enter the correct number.



- 3** Press **OK**.

The date, start and stop times, programme position or station name, tape speed, and VPS/PDC setting appear on the TV screen.

 - If "—" appears in the "PROG." (programme) column (this may happen for local broadcasts), you have to set the appropriate programme position manually. Press **↑/↓** to select the desired programme position. To record from a decoder or other source connected to one or more of the **LINE** inputs, press **INPUT SELECT** to display the connected line in the "PROG." position. You will only have to do this operation once for the referred channel. The VCR will then store your setting. If the information is incorrect, press **CLEAR** to cancel the setting.


- 4** If you want to change the date, tape speed, and the VPS/PDC setting:

 - 1 Press **←/→** to highlight the item you want to change.
 - 2 Press **↑/↓** to reset it.
 - To record the same programme every day or the same day every week, see "Daily/weekly recording" below.
 - To use the VPS/PDC function, set VPS/PDC to **ON**. For details of the VPS/PDC function, see "Timer recording with VPS/PDC signals" below.
- 5** Press **MENU** to exit the menu.


- 6** Press **⏻** to turn off the VCR.

The **⊙** indicator appears in the display window and the VCR stands by for recording.

To record from a decoder or other source, leave the connected equipment turned on.



Basic Operations

To stop recording

To stop the VCR while recording, press **■** **STOP**.

Daily/weekly recording

In step 4 above, press **↓** to select the recording pattern. Each time you press **↓**, the indication changes as shown below. Press **↑** to change the indication in reverse order. **TODAY** → **SUN-SAT** (Sunday to Saturday) → **MON-SAT** (Monday to Saturday) → **MON-FRI** (Monday to Friday) → **SAT** (every Saturday) → **MON** (every Monday) → **SUN** (every Sunday) → 1 month later → (dates count down) → **TOMORROW** → **TODAY**

Timer recording with VPS/PDC signals

Some broadcast systems transmit VPS (Video Programme System) or PDC (Programme Delivery Control) signals with their TV programmes. These signals ensure that your timer recordings are made regardless of broadcast delays, early starts, or broadcast interruptions (when the VPS or PDC indicator in the display window is lit).

To use the VPS/PDC function, set VPS/PDC to **ON** in step 4 above. You can also use the VPS/PDC function for a source connected to one or more of the **LINE** inputs.

continued

To record satellite broadcasts

If you connect a satellite tuner and the VCR, you can record satellite programmes.

- 1 Turn on the satellite tuner.
- 2 On the satellite tuner, select the satellite programme for which you want to make a timer setting.
- 3 Follow steps 1 through 6 above.
- 4 Keep the satellite tuner turned on until the VCR finishes recording the satellite programme for which you have made a timer setting.

To use the VCR after setting the timer

To use the VCR before a recording begins, just press **PAUSE**. The **⊕** indicator turns off and the VCR switches on. Remember to press **PAUSE** to reset the VCR to recording standby after using the VCR.

You can also do the following tasks while the VCR is recording:

- Reset the counter (page 42).
- Display tape information on the TV screen (page 45).
- Check the timer settings (page 68).
- Watch another TV programme (page 45).

Tip

- To set the programme position, you can also use the PROG +/- or programme number buttons.
- To set the programme position with a two digit number, press +/- (ten's digit) button followed by the programme number buttons.
- To set the line input video source, you can also use the PROG +/- buttons.
- To set the tape speed, you can also use the SP/LP button.
- When you are recording a programme in the SP mode and the remaining tape becomes shorter than the recording time, the tape speed is automatically changed to the LP mode. Note that some interference will appear on the picture at the point the tape speed is changed. If you want to keep the same tape speed, set AUTO LONG PLAY to OFF in the OPTIONS-1 menu (page 79).
- To check, change, or cancel the programme setting, press **←/→** to choose LIST, then press OK in step 4. For details, see step 3 in "Checking/changing/cancelling timer settings" (page 68).

Notes

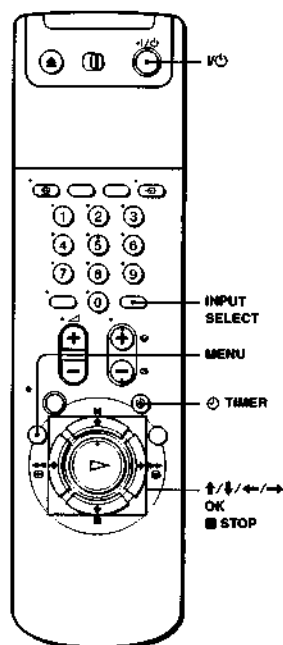
- If the VPS/PDC signal is too weak or the broadcasting station failed to transmit VPS/PDC signals, the VCR will start recording at the set time without using the VPS/PDC function.
- The **⊕** indicator flashes in the display window when you press **PAUSE** with no tape inserted.
- When you set TIMER OPTIONS to STANDARD in the OPTIONS-2 menu, the SHOWVIEW menu does not appear on the TV screen. Select SHOWVIEW or VARIABLE.
- The VPS/PDC function is automatically set to OFF for the timer recording of a satellite programme.
- The station name may not appear if the VCR does not receive station name information signals.

Recording TV programmes using the timer

You can preset a total of eight programmes, including settings made with other timer methods.

Before you start...

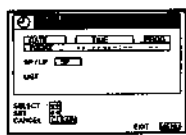
- Check that the VCR clock is set to the correct time and date.
- Insert a tape with its safety tab in place. Make sure the tape is longer than the total recording time.
- To record from a decoder, turn it on.
- Turn on your TV and set it to the video channel.
- Set TIMER OPTIONS* to STANDARD or VARIABLE in the OPTIONS-2 menu (see page 79).



Basic Operations

continued

- 1 **TIMER** Press **⊕** TIMER.
For SLV-SE500R, SE600N and SE700R:
The TIMER menu appears on the TV screen.



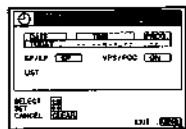
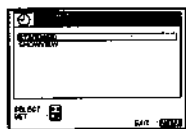
For SLV-SE350K, SE500K, SE700N/K and SE800N/K:

- When you set TIMER OPTIONS to VARIABLE:

The TIMER METHOD menu appears on the TV screen. Press **↑/↓** to select STANDARD, then press OK.

- When you set TIMER OPTIONS to STANDARD:

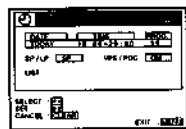
The TIMER menu appears on the TV screen.



- 2 Set the date, start and stop times, programme position or station name*, tape speed, and VPS/PDC function*:
1 Press **→** to highlight each item in turn.



2 Press **↑/↓** to set each item.
To correct a setting, press **←** to return to that setting and reset.



- To record the same programme every day or the same day every week, see "Daily/weekly recording" on page 59.
- To use the VPS/PDC function*, set VPS/PDC to ON. For details about the VPS/PDC function, see "Timer recording with VPS/PDC signals" on page 55.
- To record from a decoder or other source connected to one or more of the LINE inputs, press INPUT SELECT to display the connected line in the "PROG." position.

- 3 Press MENU to exit the menu.



- 4 Press **PAUSE** to turn off the VCR.



The **⊕** indicator appears in the display window and the VCR stands by for recording.

To record from a decoder or other source, leave the connected equipment turned on.

To stop recording

To stop the VCR while recording, press **■** STOP.

Daily/weekly recording

In step 2 above, press **↓** to select the recording pattern. Each time you press **↓**, the indication changes as shown below. Press **↑** to change the indication in reverse order. TODAY → SUN-SAT (Sunday to Saturday) → MON-SAT (Monday to Saturday) → MON-FRI (Monday to Friday) → SAT (every Saturday) → MON (every Monday) → SUN (every Sunday) → 1 month later → (date count down) → TOMORROW → TODAY

To record satellite broadcasts

If you connect a satellite tuner and the VCR, you can record satellite programmes.

- 1 Turn on the satellite tuner.
- 2 On the satellite tuner, select the satellite programme for which you want to make a timer setting.
- 3 Follow steps 1 through 4 above.
- 4 Keep the satellite tuner turned on until the VCR finishes recording the satellite programme for which you have made a timer setting.

To use the VCR after setting the timer

To use the VCR before a recording begins, just press **PAUSE**. The **⊕** indicator turns off and the VCR switches on. Remember to press **PAUSE** to reset the VCR to recording standby after using the VCR.

You can also do the following tasks while the VCR is recording:

- Reset the counter (page 42).
- Display tape information on the TV screen (page 45).
- Check the timer settings (page 68).
- Watch another TV programme (page 45).

Basic Operations

continued

Playing/searching at various speeds

Tips

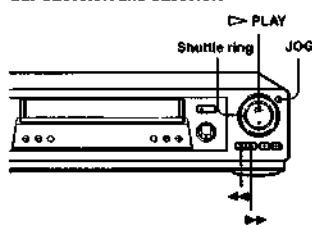
- To set the programme position, you can also use the PROG +/- or programme number buttons.
- To set the programme position with a two digit number, press -- (ten's digit) button followed by the programme number buttons.
- To set the line input video source, you can also use the PROG +/- buttons.
- To set the tape speed, you can also use the SP/LP button.
- When you are recording a programme in the SP mode and the remaining tape becomes shorter than the recording time, the tape speed is automatically changed to the LP mode. Note that some interference will appear on the picture at the point the tape speed is changed. If you want to keep the same tape speed, set AUTO LONG PLAY to OFF in the OPTIONS-1 menu (page 79).
- Even if you set TIMER OPTIONS to SHOWVIEW* in the OPTIONS-2 menu, you can set the timer manually. Press MENU to select TIMER, then go to step 2.
- To check, change, or cancel the programme setting, press <=> to choose LIST, then press OK in step 2. For details, see step 3 in "Checking/changing/cancelling timer settings" (page 68).

Notes

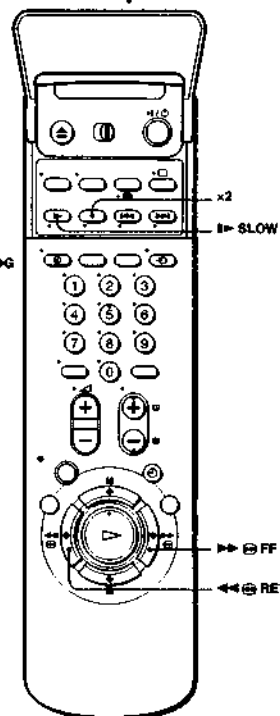
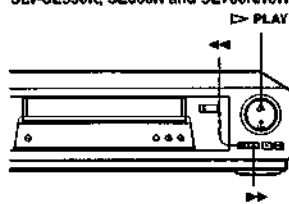
- When setting the timer with VPS/PDC signals, enter the start and stop times exactly as indicated in the TV programme guide. Otherwise, the VPS/PDC function* won't work.
- If the VPS/PDC signal is too weak or the broadcasting station failed to transmit VPS/PDC signals, the VCR will start recording at the set time without using the VPS/PDC function*.
- The indicator flashes in the display window when you press PAUSE with no tape inserted.
- The VPS/PDC function* is automatically set to OFF for the timer recording of a satellite programme.
- The station name* may not appear if the VCR does not receive station name information signals.

* not available on SLV-SE500R, SE600N and SE700R

SLV-SE500K/R and SE800N/K



SLV-SE350K, SE600N and SE700N/K/R



Additional Operations

Playback options	Operation
View the picture during fast-forward or rewind	During fast-forward, hold down >>> FF >>>. During rewind, hold down <<< REW <<<.

continued

Playback options	Operation
Play at high speed	<ul style="list-style-type: none"> During playback, press >>> FF or <<< REW on the remote commander. During playback, hold down >>> FF >>> or <<< REW <<<. When you release the button, normal playback resumes.
Play at twice the normal speed	During playback, press x2.
Play in slow motion	During playback, press SLOW.
Play frame by frame	During pause, press >>> FF or <<< REW on the remote commander. Hold down >>> FF or <<< REW to play one frame each second.
Rewind and start play	During stop, press >>> PLAY on the VCR while holding down <<< on the VCR.

To resume normal playback

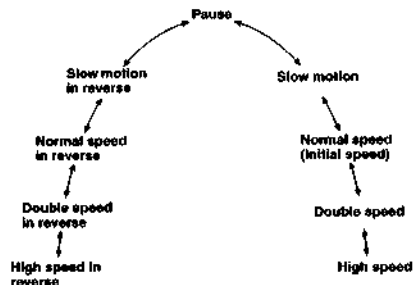
Press >>> PLAY.

Using the shuttle ring (SLV-SE500K/R and SE800N/K only)

With the shuttle ring, you can operate a variety of playback options. There are two ways for using the shuttle ring, normal mode and jog mode.

To use the shuttle ring in normal mode

During playback or pause, turn the shuttle ring clockwise or anticlockwise. Each change in the shuttle ring position changes the playback mode in the following way.



To use the shuttle ring in jog mode

Use this mode for frame-by-frame playback.

Press JOG to enter the jog mode. The JOG button lights up. If you change to the jog mode during any playback mode, playback pauses so you can see a still picture. Each change in the shuttle ring position shifts the picture one frame. To shift frames in reverse, turn the shuttle ring anticlockwise. The frame shift speed depends on the speed you turn the shuttle ring.

To resume normal mode, press JOG again. The JOG button turns off.

Tip

- Adjust the picture using the TRACKING +/- buttons if:
 - Stricks appear while playing in slow motion
 - Bands appear at the top or bottom while pausing.
 - The picture shakes while pausing.
- To set tracking to the centre position, press both buttons (+/-) at the same time.

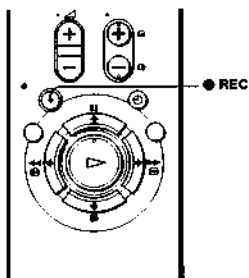
Notes

- The sound is muted during these operations.
- In the LP mode, noise may appear or there may be no colour.
- If the playback mode mark doesn't appear on the TV screen, press [DISP] DISPLAY.
- The picture may show noise when playing at high speed in reverse *
- * SLV-SE350K only

Additional Operations

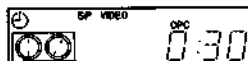
Setting the recording duration time

After you have started recording in the normal way, you can have the VCR stop recording automatically after a specified duration.



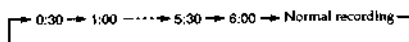
- 1 While recording, press ● REC.

The ⊖ indicator appears in the display window.



- 2 Press ● REC repeatedly to set the duration time.

Each press advances the time in increments of 30 minutes.



The tape counter decreases minute by minute to 0:00, then the VCR stops recording and turns off automatically.

To extend the duration

Press ● REC repeatedly to set a new duration time.

To cancel the duration

Press ● REC repeatedly until the ⊖ indicator disappears and the VCR returns to the normal recording mode.

To stop recording

To stop the VCR while recording, press ■ STOP.

Note

- You cannot display the current tape time in the display window when setting the recording duration time.

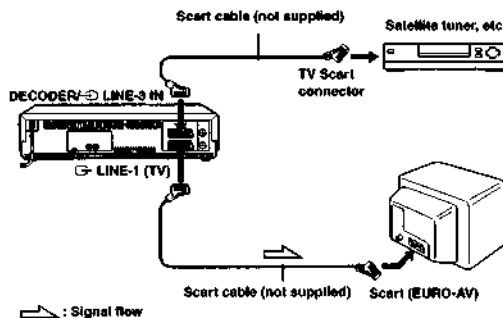
Synchronized Recording (SLV-SE500K and SE800N/K only)

You can set the VCR to automatically record programmes from equipment such as a satellite tuner by connecting the equipment to the DECODER/LINE-3 IN connector. The connected equipment must have a timer function for this feature to work.

When the connected equipment turns on, the VCR also automatically turns on and starts recording a programme from DECODER/LINE-3 IN.

How to connect for Synchronized Recording

Connect the DECODER/LINE-3 IN connector of the VCR to the TV Scart connector of the satellite tuner. Then connect the LINE-1 (TV) connector of the satellite tuner.



Additional Operations

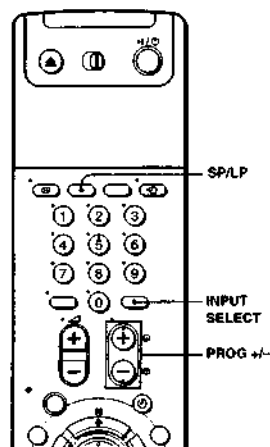
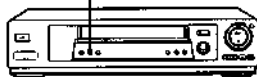
continued

Recording programmes using the Synchronized Recording function

Before you start...

- Insert a tape with its safety tab in place. Make sure the tape is longer than the total recording time.
- Set DECODER/LINE3 to LINE3 in the OPTIONS-2 menu (see page 79).

SYNCHRO REC



- 1 Press INPUT SELECT or PROG +/- to display "L3" in the display window.
- 2 Set the timer on the connected equipment to the time of the programme you want to record, then turn it off.
- 3 Press SP/LP to select the tape speed.
- 4 Hold down SYNCHRO REC for more than two seconds. The SYNCHRO REC button lights up and the VCR stands by for recording. The VCR automatically turns on and starts recording when it receives an input signal from the connected equipment. The VCR automatically stops recording when the tape reaches the end or when the connected equipment stops transmitting an input signal.

To cancel the Synchronized Recording function

Press SYNCHRO REC. The SYNCHRO REC button turns off.

To stop recording

Press ■ STOP while recording.

Notes

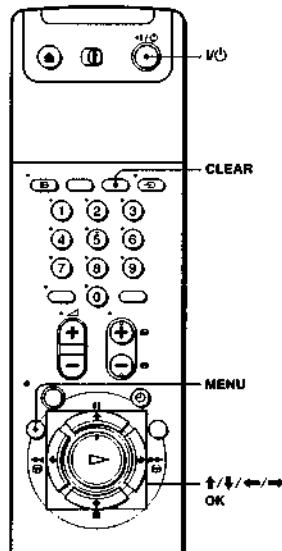
- This function may not work with some types of satellite tuners.
- Some TVs or other equipment with timer functions will automatically turn off if no operation is performed within a certain amount of time. In this case, the Synchronized Recording also stops automatically.
- When the connected equipment turns on while the SYNCHRO REC button is lit, recording starts automatically.
- If the settings for timer recording and Synchronized Recording overlap, the programme that starts first has priority and the second programme starts recording only after the first programme has finished.
- The Auto Clock Set function does not work while the VCR stands by for Synchronized Recording.

Additional Operations

Checking/changing/cancelling timer settings

Before you start...

- Turn on your TV and set it to the video channel.



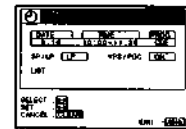
- 1 Press **POWER** to turn on the VCR.
- 2 Press **MENU**, then press **↑/↓** to highlight **LISTS** and press **OK**.
- 3 Press **↑/↓** to highlight **TIMER LIST**, then press **OK**:

- If you want to change or cancel a setting, go on to the next step.
- If you do not need to change or cancel the settings, press **MENU**, then turn off the VCR to return to recording standby.



- 4 Press **↑/↓** to select the setting you want to change or cancel, then press **OK**.

The selected setting appears in the **TIMER** menu.

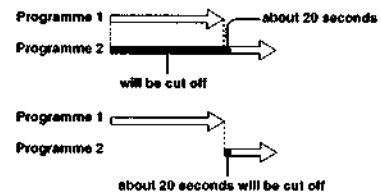


- 5 • To change the setting, press **←/→** to highlight the item you want to change, then press **↑/↓** to reset it.
- To cancel the setting, press **CLEAR**.
- 6 Press **MENU** to exit the menu.

If any settings remain, turn off the VCR to return to recording standby.

When the timer settings overlap

The programme that starts first has priority and the second programme starts recording only after the first programme has finished. If the programmes start at the same time, the programme listed first in the menu has priority.



Tip

- In step 6 above, you can check the **TIMER LIST** by selecting **LIST** and pressing **OK**. Press **MENU** to exit the **TIMER LIST**.

Recording stereo and bilingual programmes (not available on SLV-SE350K, SE500K/R and SE700R)

In ZWEITON (German stereo) system

This VCR automatically receives and records stereo and bilingual programmes based on the ZWEITON system. When a stereo or bilingual programme is received, the **STEREO** indicator appears in the display window.

To select bilingual sound while recording

Press **AUDIO MONITOR** to select the sound you want.

To listen to	On-screen display	Display window
Main	MAIN	STEREO
Sub	SUB	STEREO
Main and sub	MAIN/SUB	STEREO

In NICAM system (SLV-SE600N, SE700N, and SE800N only)

This VCR receives and records stereo and bilingual programmes based on the NICAM system (The **NICAM** indicator appears). When a stereo or bilingual programme is received, the **STEREO** indicator appears in the display window.

To record a NICAM programme, **HIFI AUDIO** in the **OPTIONS-1** menu should be set to **NICAM** (initial setting). To check the menu setting, see page 78 for details.

To select the sound while recording

Press **AUDIO MONITOR** to select the sound you want.

Stereo programmes

To listen to	On-screen display	Display window
Stereo	STEREO	STEREO
Standard sound*	No indicator	No indicator

- * Usually the mixed sound of left and right channels (monaural)

Bilingual programmes

To listen to	On-screen display	Display window
Main	MAIN	STEREO
Sub	SUB	STEREO
Main and sub	MAIN/SUB	STEREO
Standard sound*	No indicator	No indicator

- * Usually the main sound (monaural)

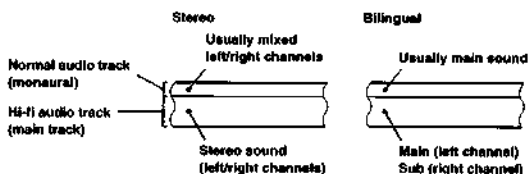
Selecting the sound during playback

Press **AUDIO MONITOR** to select the sound you want.

To listen to	On-screen display	Display window
Stereo/main and sub (left and right channels)	STEREO	STEREO
Left channel/main	LCH	STEREO
Right channel/sub	RCH	STEREO
Standard sound	No indicator	No indicator

How sound is recorded on a video tape

The VCR records sound onto two separate tracks. Hi-fi audio is recorded onto the main track along with the picture. Monaural sound is recorded onto the normal audio track along the edge of the tape.



Notes

- To listen to playback sounds in stereo, you must use the **Scart** or **AUDIO OUT** connections.
- When you play a tape recorded in monaural, the sound is heard in monaural regardless of the **AUDIO MONITOR** setting.
- If the **AUDIO MONITOR** button does not function, check that **AUDIO MIX** in the **OPTIONS-1** menu is set to **OFF** (see page 78).
- If **HIFI AUDIO*** is set to **STANDARD**, the standard sound will be recorded on both the hi-fi and normal audio tracks. Pressing **AUDIO MONITOR** will not change the sound.

- * SLV-SE600N, SE700N, and SE800N only

Searching using the Smart Search function

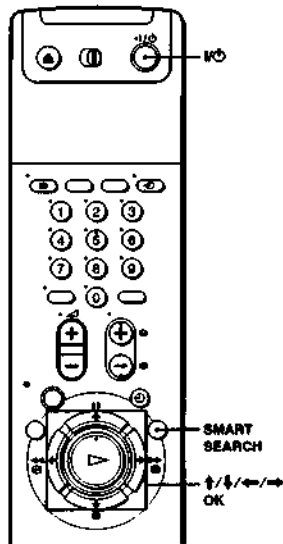
If you record multiple programmes on a tape, use the Smart Search function to see what has been recorded on your tape. You can see information such as date, time, and programme position of programmes recorded on a tape. You can also start playback directly from the selected programme using the SMART SEARCH screen.

All programmes are listed on the screen, regardless of how the programme was recorded.

The data of the last tape inserted into the VCR is automatically stored in memory. If you want to recall the latest data screen, select LATEST DATA in the SMART SEARCH screen (see page 73).

Before you start...

- Turn on your TV and set it to the video channel.



- 1 After recording, press **VCR** to turn on the VCR.
- 2 Press **SMART SEARCH**.
- 3 Press **↑/↓/←/→** to select the programme you want to start viewing.



4 Press OK.

The VCR starts searching, and playback starts automatically from the beginning of the selected programme.



To stop searching

Press **STOP**.

To exit the SMART SEARCH screen

Press **SMART SEARCH**.

To record in a blank space

Blank space on the tape will appear as a blank row in the SMART SEARCH screen. Select the last blank row in step 3, then press OK. The VCR rewinds/fast-forwards the tape to the beginning of the blank space, then stops. Start recording. Note that "BLANK TIME" and the remaining time indication only refers to the length of the last blank space.



To recall the latest data screen after you remove the tape

You can display the data of the last tape used to record a programme, even after you have removed the tape.

If you reinsert the tape and record additional programmes, be sure to select LATEST DATA. Otherwise, all of the data for the tape is deleted.

- 1 Reinsert the last tape that you used to record a programme.
- 2 Press **SMART SEARCH**.



Additional Operations

continued

3 Press **↑/↓** to highlight LATEST DATA.

If you want to reset the latest data screen, highlight **NO DATA** and press **OK**, then record a programme.



4 Press OK.

The latest data stored in the VCR's memory is displayed.

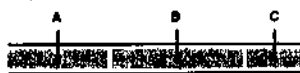
Tips

- You can store information for up to 24 programmes on a single list.
- While recording, you can display the SMART SEARCH screen using the SMART SEARCH button. If you decide to stop recording, press SMART SEARCH to make the SMART SEARCH screen disappear first. Then press **STOP**.

Notes

- You cannot use this function unless the clock is set.
- Depending on the tape, the total or remaining time may not appear correctly.
- If many short programmes are recorded on a tape, multiple programmes may be included in a single block. In this case, only the latest programme information will appear in the SMART SEARCH screen.
- Blank time is measured from the end of the last recorded programme to the end of the tape. However, if you eject the tape and then make a new recording on the same tape, the original recorded programme(s) is displayed as a blank space.
- If no information is stored in the VCR's memory, LATEST DATA does not appear in the SMART SEARCH screen.
- The station name* may not appear if the VCR does not receive station name information signals.
- If you start recording a programme "D" from the middle of a previously recorded programme "A" and into another previously recorded programme "B," the Smart Search information for the second programme "B," which is recorded over, is deleted.

Originally recorded programmes



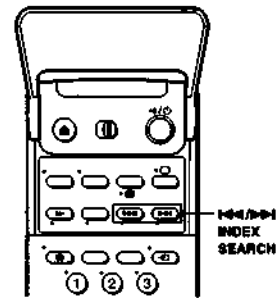
Recording the programme "D" over the programme "A" and "B"



* not available on SLV-SE500R, SE600N and SE700R

Searching using the index function

The VCR automatically marks the tape with an index signal at the point where each recording begins. Use these signals as references to find a specific recording.

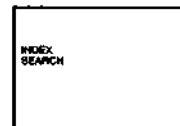


1 Insert an indexed tape into the VCR.

2 Press **INDEX SEARCH**.

- To search ahead, press **▶▶ INDEX SEARCH**.
- To search backwards, press **◀◀ INDEX SEARCH**.

The VCR starts searching, and playback starts automatically from that point.



Additional Operations

To stop searching

Press **STOP**.

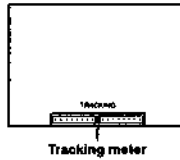
Note

- No index signal will be added when recording starts from recording pause. However, an index signal will be marked if you change the programme position during recording pause.

Adjusting the picture

Adjusting the tracking

Although the VCR automatically adjusts the tracking when playing a tape (the **T** indicator flashes in the display window, then turns off), distortion may occur if the recording is in poor condition. In this case, manually adjust the tracking. During playback, press TRACKING +/- to display the tracking meter. The distortion should disappear as you press one of the two buttons (the **T** indicator lights up). To resume automatic tracking adjustments, eject the tape and re-insert it.



About the Reality Regenerator (RR) function (not available on SLV-SE350K and SE600N)

The Reality Regenerator (RR) function automatically restores the picture to its original quality during playback.

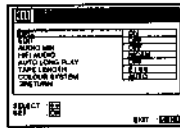
To use the RR function, press RR. The RR button lights up. You can set RR to NORMAL or HIGH in the OPTIONS-2 menu (see page 79).

To turn it off, press RR. The RR button turns off.



About the Optimum Picture Control (OPC) function

The Optimum Picture Control (OPC) function automatically improves recording and playback quality by adjusting the VCR to the condition of the video heads and tape. To maintain better picture quality, we recommend that you set OPC to ON in the OPTIONS-1 menu (the OPC indicator lights up in the display window). For details, see page 78.



OPC playback

The OPC function automatically works on all types of tapes, including rental tapes and tapes that were not recorded with OPC.

OPC recording

Whenever you insert a tape and start recording for the first time, the VCR adjusts to the tape using the OPC function (the OPC indicator flashes rapidly). This adjustment is retained until the tape is ejected.

To deactivate the OPC function

Set OPC to OFF in the OPTIONS-1 menu. The OPC indicator in the display window turns off.

Tip

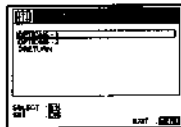
- To set tracking to the centre position, press the TRACKING + and - buttons at the same time.

Notes

- You can adjust the tracking for an NTSC-recorded tape but the tracking meter won't be displayed.
- With the Auto Long Play function on, the OPC function will work only in SP mode. If the tape speed automatically switches from SP to LP, the OPC function turns off. If, however, the entire programme is recorded in LP mode, the OPC function will work.
- There is a delay of about ten seconds before the VCR actually starts recording while the VCR analyses the tape. To avoid the delay, first set the VCR to recording pause (the OPC indicator flashes rapidly) and press REC to have the VCR analyse the tape (the OPC indicator flashes rapidly) and return to recording pause. After the OPC indicator stops flashing, press PAUSE to start recording immediately. If you want to start recording quickly without using the OPC function, first set the VCR to recording pause (the OPC indicator flashes slowly) and press PAUSE again to start recording.

Changing menu options

- Press MENU, then select OPTIONS and press OK.



- Press \uparrow/\downarrow to highlight OPTIONS-1 or OPTIONS-2, then press OK.



- Press \uparrow/\downarrow to select the option, then press OK.

- Press \uparrow/\downarrow to change the setting, then press OK.

- Press MENU to return to the original screen.

Menu choices

Initial settings are indicated in bold print.

OPTIONS-1

Menu option	Set this option to
OPC	<ul style="list-style-type: none"> ON to switch on the OPC (Optimum Picture Control) function and improve picture quality. OFF to switch off OPC.
EDIT	<ul style="list-style-type: none"> ON to minimize picture deterioration when editing. OFF to turn off EDIT.
AUDIO MIX**	<ul style="list-style-type: none"> ON to listen to the hi-fi and normal audio tracks at the same time. The AUDIO MONITOR button will not function. OFF to listen to the hi-fi and normal audio tracks separately. Select the sound using the AUDIO MONITOR button. If you press \triangle EJECT or turn the VCR off, AUDIO MIX will be reset to OFF. For details, see page 71.
HIFI AUDIO**	<ul style="list-style-type: none"> NICAM to record NICAM broadcasts on the hi-fi audio track. STANDARD to record standard sound on the hi-fi audio track. For details, see page 70.

Menu option	Set this option to
AUTO LONG PLAY	<ul style="list-style-type: none"> ON to change the timer recording tape speed automatically to the LP mode when the remaining tape length becomes shorter than the recording time. Note that for AUTO LONG PLAY to work correctly, the TAPE LENGTH setting must be accurate. OFF to keep the set tape speed.
TAPE LENGTH	<ul style="list-style-type: none"> E180 to use an E-180 or shorter type tape E195 to use an E-195 type tape. E240 to use an E-240 type tape. E300 to use an E-300 type tape.
COLOUR SYSTEM	<ul style="list-style-type: none"> AUTO to set the colour system automatically. PAL to play back a tape recorded in the PAL colour system. MESECAM to play back a tape recorded in the MESECAM colour system. <p>If you press \triangle EJECT or turn the VCR off, COLOUR SYSTEM will be reset to AUTO.</p>

OPTIONS-2

Menu option	Set this option to
DECODER/LINE2**	<ul style="list-style-type: none"> DECODER to use the DECODER/LINE-2 IN** connector as the Canal Plus decoder connector. LINE2** to use the DECODER/LINE-2 IN** connector as the line input connector.
DECODER/LINE3**	<ul style="list-style-type: none"> DECODER to use the DECODER/LINE-3 IN** connector as the Canal Plus decoder connector. LINE3** to use the DECODER/LINE-3 IN** connector as the line input connector.
TIMER OPTIONS**	<ul style="list-style-type: none"> VARIABLE to display the TIMER METHOD menu for selecting STANDARD or SHOWVIEW when pressing the \odot TIMER button. STANDARD to display the TIMER menu when pressing the \odot TIMER button. SHOWVIEW to display the SHOWVIEW menu when pressing the \odot TIMER button. <p>For details, see page 53 and 57.</p>
POWER SAVE	<ul style="list-style-type: none"> ON to turn off the indicators in the display window to conserve the VCR's power. OFF to turn on the indicators in the display window while the VCR is standing by.
TV DIRECT REC**	<ul style="list-style-type: none"> ON to activate the TV Direct Rec function. OFF to deactivate it.
RR**	<ul style="list-style-type: none"> NORMAL for normal everyday use. HIGH for well-used video tapes such as rented tapes. Select this option when NORMAL does not improve the picture quality.

Notes

- When you set a timer recording, the indicators in the display window remain on, even though POWER SAVE is set to ON.
- With the EDIT option ON, the OPC function does not work.

*1 not available on SLV-SE350K and SE500K/R

*2 SLV-SE600N, SE700N and SE800N only

*3 SLV-SE700N/K only

*4 SLV-SE500K and SE800N/K only

*5 not available on SLV-SE500R, SE600N and SE700R

*6 not available on SLV-SE600N and SE700R

*7 not available on SLV-SE350K and SE600N

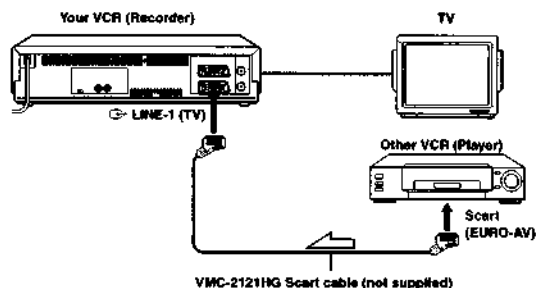
Editing

Connecting to a VCR or stereo system

How to connect to record on this VCR

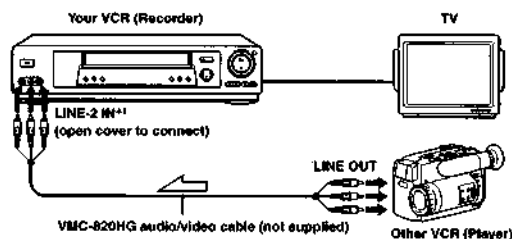
Connect the line outputs of the other VCR to the LINE IN connector or jacks of this VCR. Refer to the examples A through C and choose the connection that best suits your VCR.

Example A



➔ : Signal flow

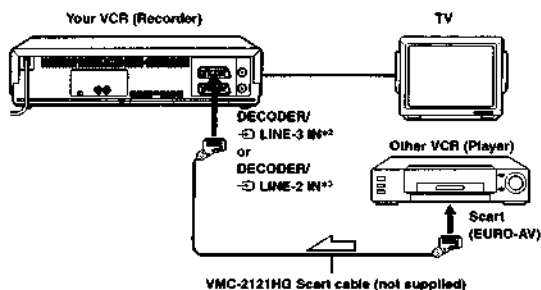
Example B



➔ : Signal flow

continued

Example C



➔ : Signal flow

How to connect to a stereo system (SLV-SE500K/R and SE800N/K only)

Connect the LINE-2 IN AUDIO L/R jacks on this VCR to the audio output jacks on the stereo system, using the RK-C510HG audio cable (not supplied).

Notes

- Make sure you connect the plugs to jacks of the same colour.
- If the other VCR is a monaural type, leave the red plugs unconnected.
- If you connect this VCR to both the LINE IN and LINE OUT jacks of the other VCR, select the input correctly to prevent a humming noise.
- If the other VCR does not have a Scart (EURO-AV) connector, use the VMC-2106HG cable instead and connect the cable to the line out jacks of the other VCR.
- When you connect another VCR to the DECODER/LINE-3 IN**2 (or DECODER/LINE-2 IN**3) connector, set DECODER/LINE3**2 (or DECODER/LINE2**3) to LINE3**2 (or LINE2**3) in the OPTIONS-2 menu.

*1 SLV-SE500K/R and SE800N/K only (AUDIO R (right) jack is not available on SLV-SE500K/R.)

*2 SLV-SE500K and SE800N/K only

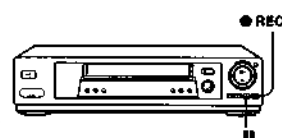
*3 SLV-SE700N/K only

Basic editing

(when recording on this VCR)

Before you start editing

- Turn on your TV and set it to the video channel.
- Press INPUT SELECT to display the connected line in the display window.
- Press SP/LP to select the tape speed, SP or LP.
- On this VCR, set EDIT to ON in the OPTIONS-1 menu. If the other VCR has a similar function, turn it on as well.



- 1 Insert a source tape with its safety tab removed into the other (playback) VCR. Search for the point to start playback and set it to playback pause.
- 2 Insert a tape with its safety tab in place into this (recording) VCR. Search for the point to start recording and press **II** (pause).
- 3 Press **●** REC on this VCR to set it to recording pause.
- 4 To start editing, press the **II** (pause) buttons on both VCRs at the same time.

To stop editing

Press the **■** STOP buttons on both VCRs.

Tip

- To cut out unwanted scenes while editing, press **II** (pause) on this VCR when an unwanted scene begins. When it ends, press **II** (pause) again to resume recording.

Note

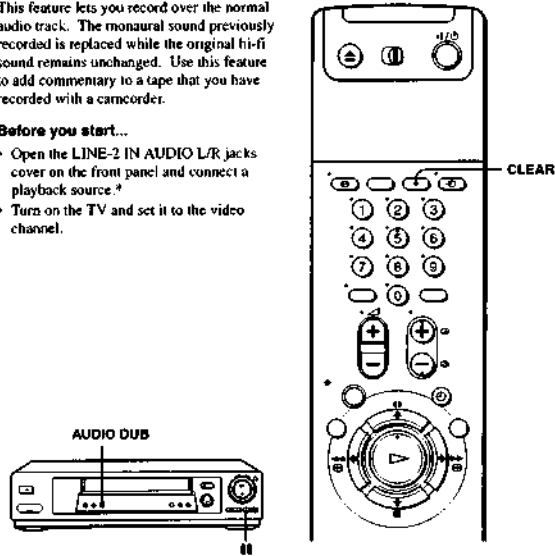
- If you start editing following the procedure above, the VCR won't start recording with the OPC function. To record a tape with the OPC function, press **●** REC again during recording pause in step 3 so the VCR analyses the tape. Then, press **II** (pause) after the OPC indicator stops flashing to start recording. If you press **II** (pause) before the OPC indicator stops flashing, the OPC function is cancelled.

Audio dubbing (SLV-SE500K/R and SE800N/K only)

This feature lets you record over the normal audio track. The monaural sound previously recorded is replaced while the original hi-fi sound remains unchanged. Use this feature to add commentary to a tape that you have recorded with a camcorder.

Before you start...

- Open the LINE-2 IN AUDIO L/R jacks cover on the front panel and connect a playback source.*
- Turn on the TV and set it to the video channel.



- 1 Insert a source tape into your stereo system (or the playback VCR). Search for the point to start playback and set it to playback pause.
- 2 Insert a prerecorded tape with its safety tab in place into this (recording) VCR. Search for the start of the section to be replaced and press **||** (pause). The VCR enters pause mode.
- 3 Press **AUDIO DUB**. The programme position changes to "L2," and the **⊕** indicator appears in the display window.

- 4 To start editing, press the **||** (pause) buttons on this VCR and the stereo system (or other VCR) at the same time.

After you use this feature, the audio in playback mode is automatically set to monaural.

To stop editing

Press **■** STOP on this VCR and the stereo system (or other VCR).

To listen to both the hi-fi and normal audio (not available on SLV-SE350K and SE500K/R)

Set **AUDIO MIX** to ON in the **OPTIONS-1** menu (page 78). Use this feature to listen to dubbed audio over the original hi-fi audio. When **AUDIO MIX** is set to ON, the **AUDIO MONITOR** button does not function.

Remember to reset **AUDIO MIX** to OFF after playing the tape.

Note

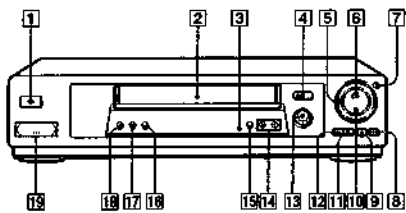
- If you eject the tape or turn the VCR off, **AUDIO MIX** is automatically set to OFF.
- SLV-SE500K/R does not have the **AUDIO R** (right) jack.

Index to parts and controls

Refer to the pages indicated in parentheses () for details.

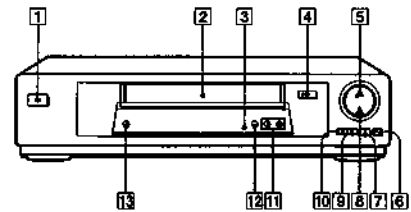
Front panel

SLV-SE500K/R and SE800N/K



- | | |
|---|--|
| 1 ⏻ ON/STANDBY switch (14) | 12 ⏮ (rewind) button (42) (61) |
| 2 Tape compartment | 13 DIAL TIMER ** (48) |
| 3 Remote sensor (5) | 14 PROGRAM/TRACKING +/- buttons (17) (63) (76) |
| 4 EJECT button (42) | 15 AUTO SET UP/ RF (Radio Frequency) CHANNEL button (14) (17) |
| 5 Shuttle ring (62) | 16 AUDIO DUB button (84) |
| 6 ▶ PLAY button (42) (62) | 17 SYNCHRO REC button** (66) |
| 7 JOG button (63) | 18 RR (Reality Regenerator) button (76) |
| 8 ● REC (record) button (45) (64) (83) | 19 LINE-2 IN VIDEO/AUDIO L (left/R (right) jacks ** (covered) (81) (82) |
| 9 (pause) button (42) (83) | |
| 10 ■ STOP button (42) (83) | |
| 11 ▶▶ (fast-forward) button (42) (61) | |

SLV-SE350K, SE600N and SE700N/K/R



- | | |
|---|--|
| 1 ⏻ ON/STANDBY switch/indicator (14) | 8 ■ STOP button (42) (83) |
| 2 Tape compartment | 9 ▶▶ (fast-forward) button (42) (61) |
| 3 Remote sensor (5) | 10 ⏮ (rewind) button (42) (61) |
| 4 EJECT button (42) | 11 PROGRAM/TRACKING +/- buttons (17) (63) (76) |
| 5 Shuttle ring (62) | 12 AUTO SET UP/ RF (Radio Frequency) CHANNEL button (14) (17) |
| 6 ● REC (record) button (45) (64) (83) | 13 RR (Reality Regenerator) button* (76) |
| 7 (pause) button (42) (83) | |

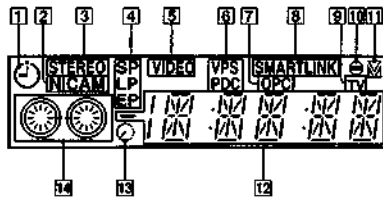
* not available on SLV-SE350K and SE600N

** not available on SLV-SE500K/R

** not available on SLV-SE300R

** AUDIO R (right) jack is not available on SLV-SE500K/R

Display window



- | | |
|--|--|
| 1 Timer indicator (50) (55) (59) | 8 SMARTLINK indicator** (11) |
| 2 NICAM indicator** (70) | 9 TV indicator** (47) |
| 3 STEREO indicator** (70) | 10 Audio dubbing indicator** (84) |
| 4 Tape speed indicators (45) | 11 Tracking indicator (76) |
| 5 VIDEO indicator (10) (45) | 12 Time counter/clock/line/programme position indicator (42) (45) (83) |
| 6 VPS (Video Programme System)/PDC (Programme Delivery Control) indicator** (55) | 13 Remaining time indicator (45) |
| 7 OPC (Optimum Picture Control) indicator (76) | 14 Tape/recording indicator (45) |

Additional Information

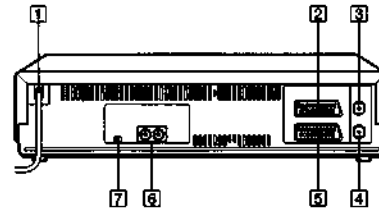
- *1 SLV-SE600N, SE700N and SE800N only
- ** not available on SLV-SE350K, and SE500K/R
- ** not available on SLV-SE500R, SE600N and SE700R
- ** not available on SLV-SE600N and SE700R
- ** SLV-SE500K/R and SE800N/K only

continued

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Rear panel

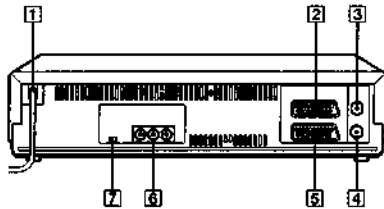
SLV-SE350K, SE500K, SE600N, SE700N/K, and SE800N



- | | |
|--|---|
| 1 Mains lead (9) (10) | 4 AERIAL OUT ANTENNE SORTIE connector (9) (10) |
| 2 DECODER/ENTREE LINE-2 IN DECODEUR/ENTREE LIGNE-2 connector** (36) (82) | 5 LINE-1 (TV) LIGNE-1 (TV) connector (10) (36) |
| DECODER/ENTREE LINE-3 IN DECODEUR/ENTREE LIGNE-3 connector** (12) (36) (65) (82) | 6 AUDIO OUT R (right/L (left) SORTIE AUDIO D/G jacks** (12) |
| 3 AERIAL IN ANTENNE ENTREE connector (9) (10) | 7 NTSC PB (Play Back) switch (42) |

- *1 SLV-SE700N/K only
- ** SLV-SE500K and SE800N only
- ** SLV-SE700N/K and SE800N only

SLV-SE500R, SE700R and SE800K



- | | |
|--|--|
| 1 Mains lead (9) (10) | 4 AERIAL OUT ANTENNE SORTIE connector (9) (10) |
| 2 DECODER/ENTREE LINE-3 IN DECODEUR/ENTREE LIGNE-3 connector** (12) (36) (65) (82) | 5 LINE-1 (TV) LIGNE-1 (TV) connector (10) (36) |
| 3 AERIAL IN ANTENNE ENTREE connector (9) (10) | 6 AUDIO OUT R (right/L (left)/VIDEO jacks** (12) |
| | 7 NTSC PB (Play Back) switch (42) |

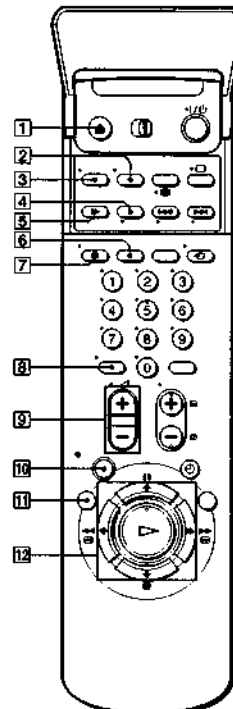
- *1 SLV-SE800K only
- ** AUDIO R (right) jack is not available on SLV-SE500R.

Additional Information

continued

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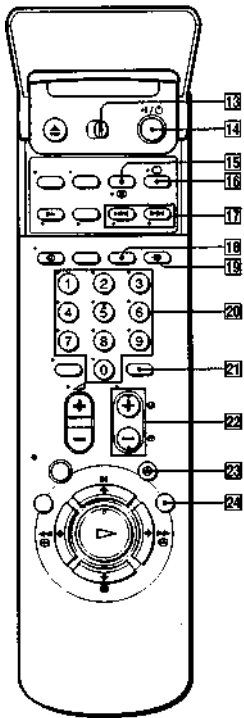
Remote commander



- | |
|---|
| 1 EJECT button (42) |
| 2 WIDE button (for TV) (7) |
| 3 AUDIO MONITOR button (70) |
| 4 x2 button** (62) |
| 5 SLOW button** (62) |
| 6 SP (Standard Play)/LP (Long Play) button (45) |
| 7 DISPLAY button (45) |
| 8 -- (ten's digit) button (6) (46) |
| 9 (volume) +/- buttons (for TV) (7) |
| 10 REC (record) button (45) (64) |
| 11 MENU button (19) (68) |
| 12 PAUSE button (19) (42) |
| STOP button (19) (42) |
| REW (rewind) button (42) (61) |
| FF (fast-forward) button (42) (61) |
| PLAY/OK button (19) (42) |

- ** FASTTEXT buttons (for TV) (not available on SLV-SE350K and SE600N)

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- 13 **TV / VIDEO** remote control switch (5)
- 14 **⏻** (on/standby) switch (6) (55)
- 15 **COUNTER/REMAIN** button (45)
 - ☐ (Teletext) button*2 (for TV) (7)
- 16 **⏻** TV power on/TV mode select button*2 (for TV) (6)
- 17 **◀▶** INDEX SEARCH buttons*1 (75)
- 18 **CLEAR** button (42) (54) (69)
- 19 **TV/VIDEO** button (6) (10) (45)
- 20 Programme number buttons (6) (46)
- 21 **INPUT SELECT** button (46) (58) (83)
- 22 **PROG (programme) +/-** buttons (6) (27) (45)
 - ☐/☐ Teletext page access buttons*1 (for TV) (7)
- 23 **⌚** TIMER button (54) (58)
- 24 **SMART SEARCH** button (72)

*1 FASTTEXT buttons (for TV) (not available on SLV-SE350K and SE600N)

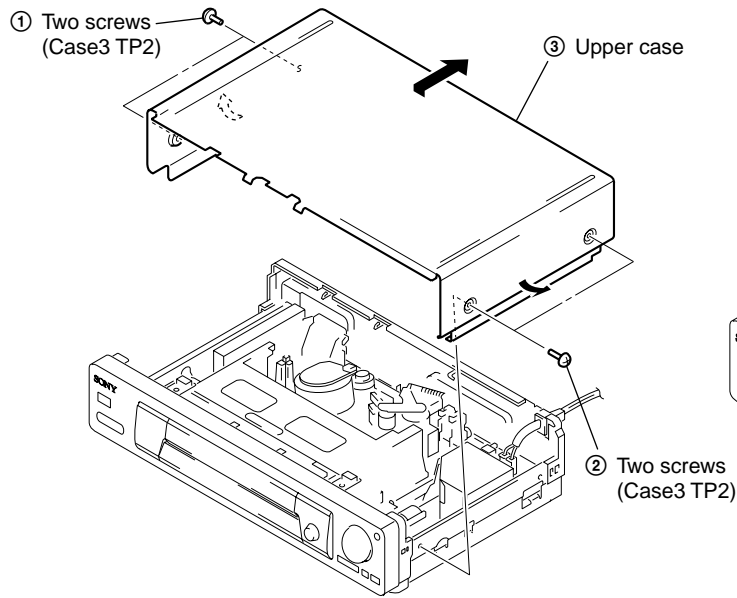
*2 not available on SLV-SE350K and SE600N

Additional Information

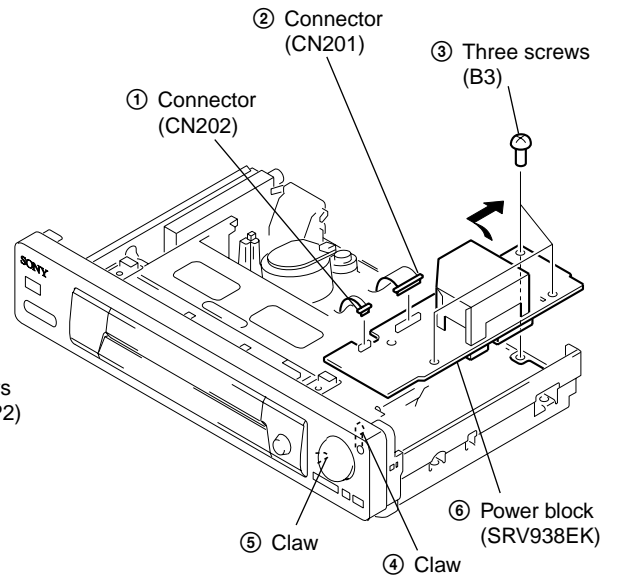
SECTION 2 DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

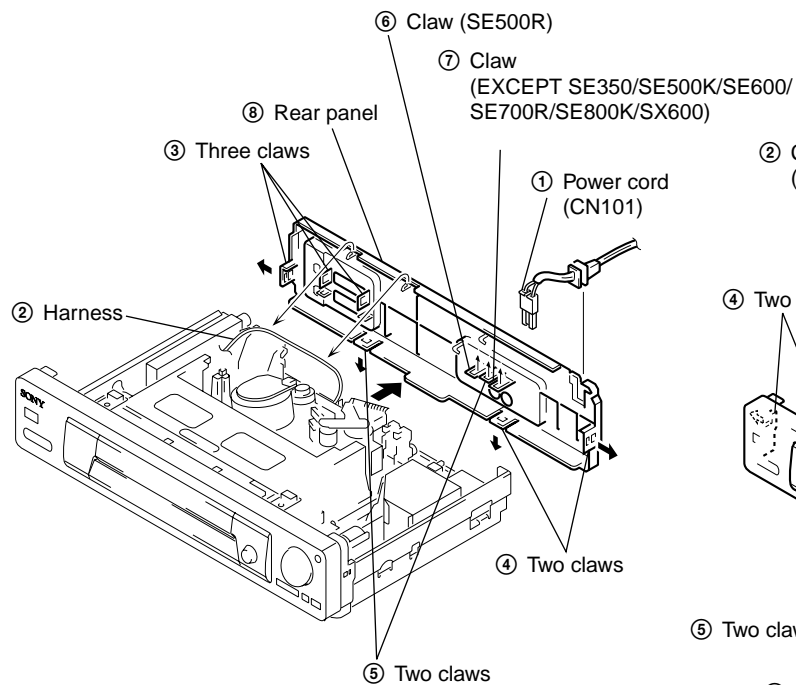
2-1. UPPER CASE REMOVAL



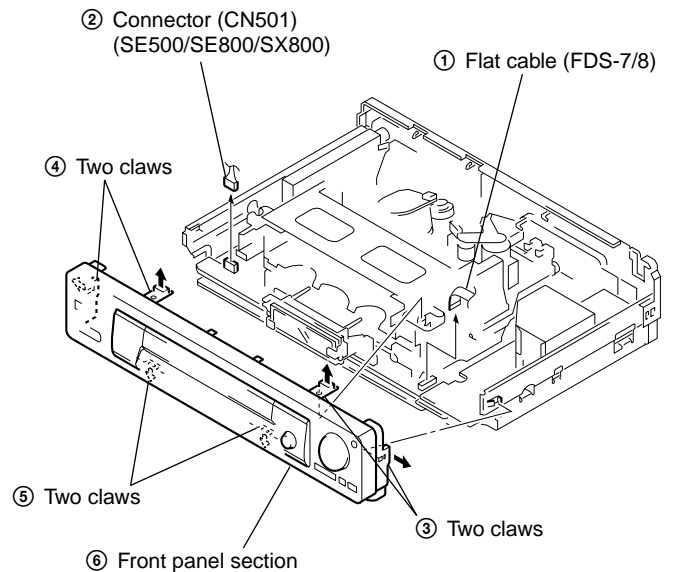
2-3. POWER BLOCK (SRV938EK) REMOVAL



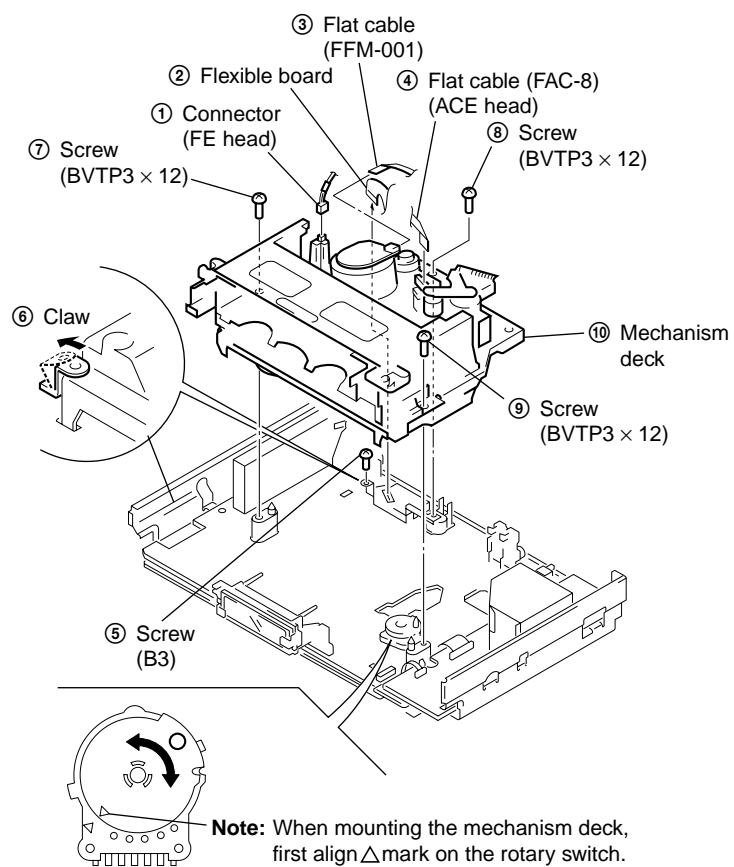
2-2. REAR PANEL REMOVAL



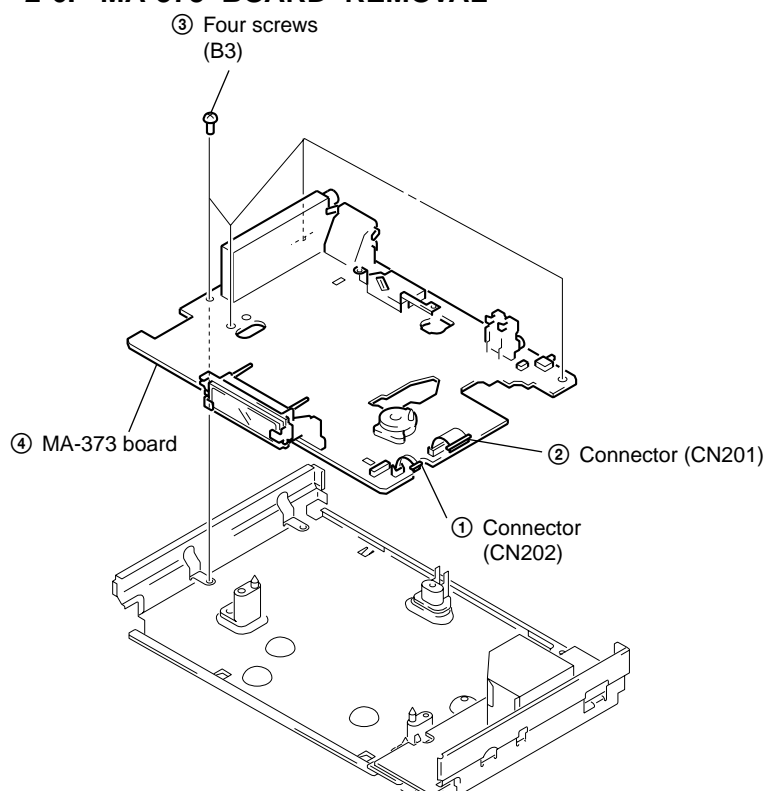
2-4. FRONT PANEL SECTION REMOVAL



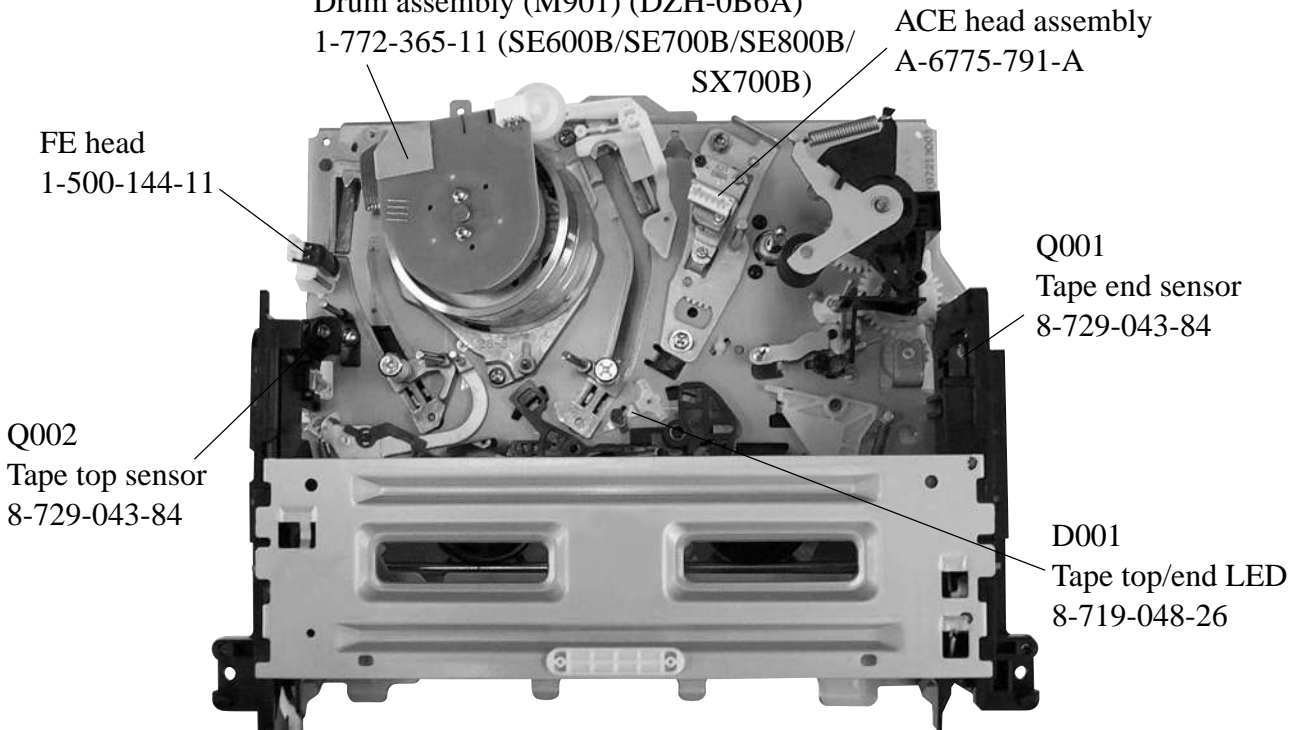
2-5. MECHANISM DECK REMOVAL



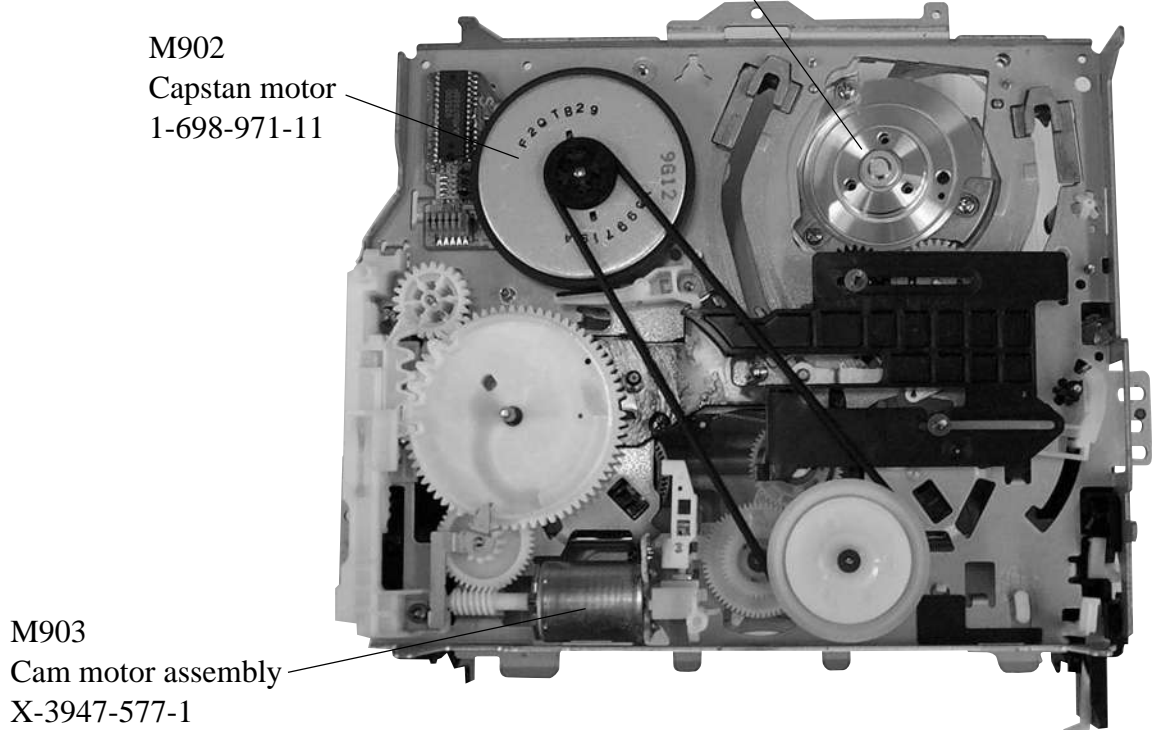
2-6. MA-373 BOARD REMOVAL



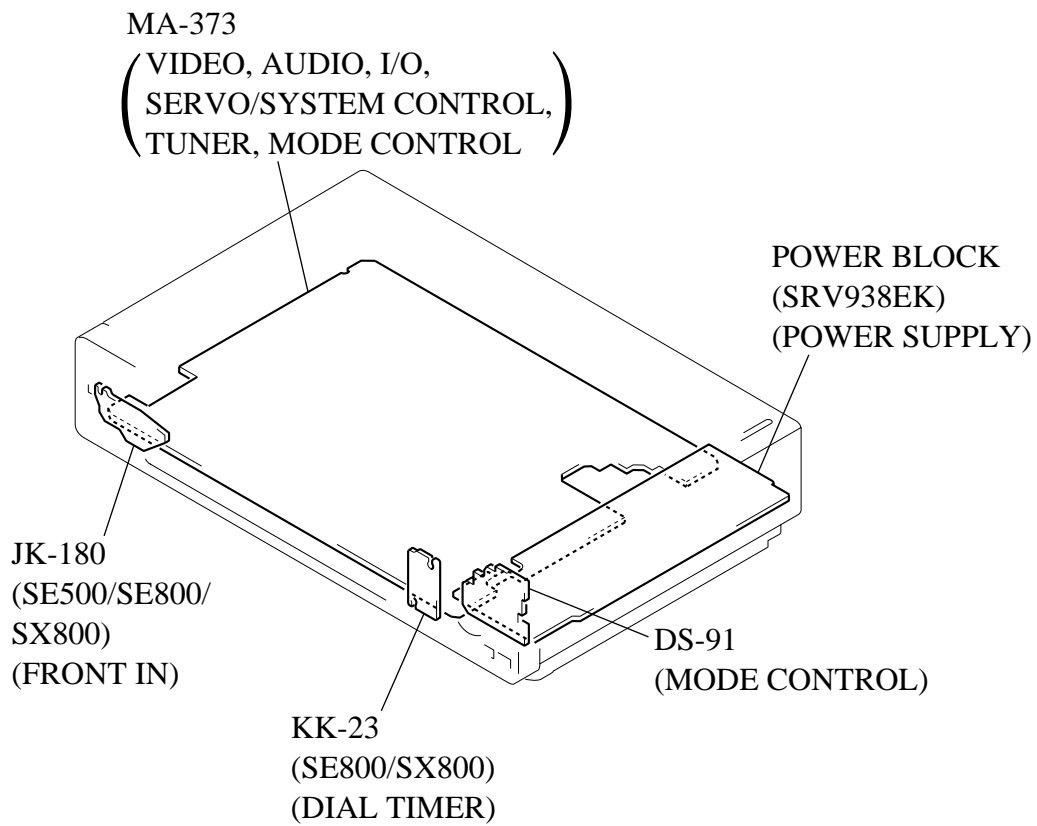
- Drum assembly (M901) (DZH-92D)
1-772-361-11 (SE350)
- 2-7. INTERNAL VIEWS** Drum assembly (M901) (DZH-93D)
1-772-362-11 (SE500)
- Drum assembly (M901) (DZH-0B5A)
1-772-364-11 (EXCEPT SE350/SE500/SE600B/SE700B/SE800B/SX700B)
- Drum assembly (M901) (DZH-0B6A)
1-772-365-11 (SE600B/SE700B/SE800B/
SX700B)



- Drum assembly (M901) (DZH-92D)
1-772-361-11 (SE350)
- Drum assembly (M901) (DZH-93D)
1-772-362-11 (SE500)
- Drum assembly (M901) (DZH-0B5A)
1-772-364-11 (EXCEPT SE350/SE500/SE600B/SE700B/SE800B/SX700B)
- Drum assembly (M901) (DZH-0B6A)
1-772-365-11 (SE600B/SE700B/SE800B/SX700B)

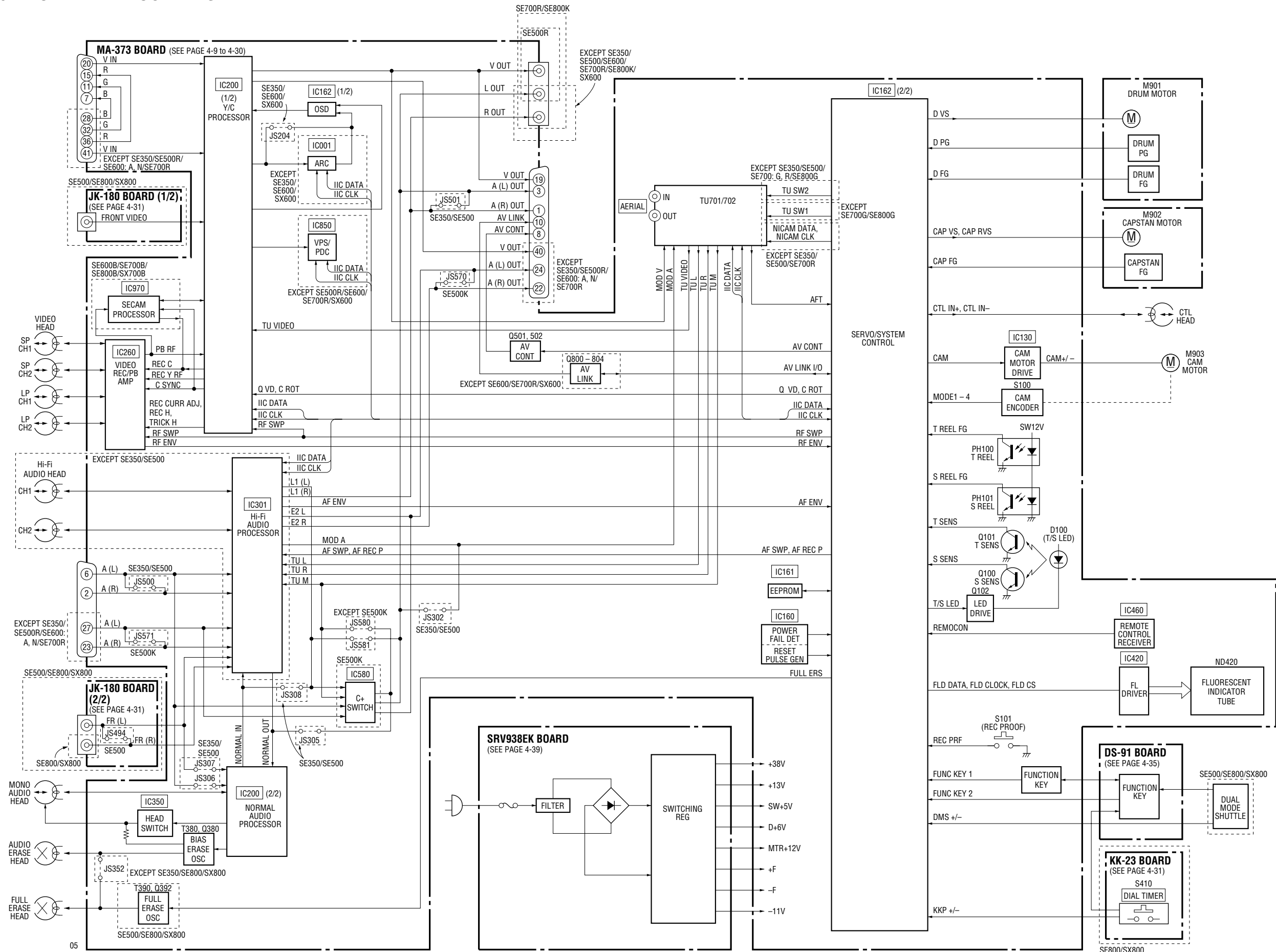


2-8. CIRCUIT BOARDS LOCATION

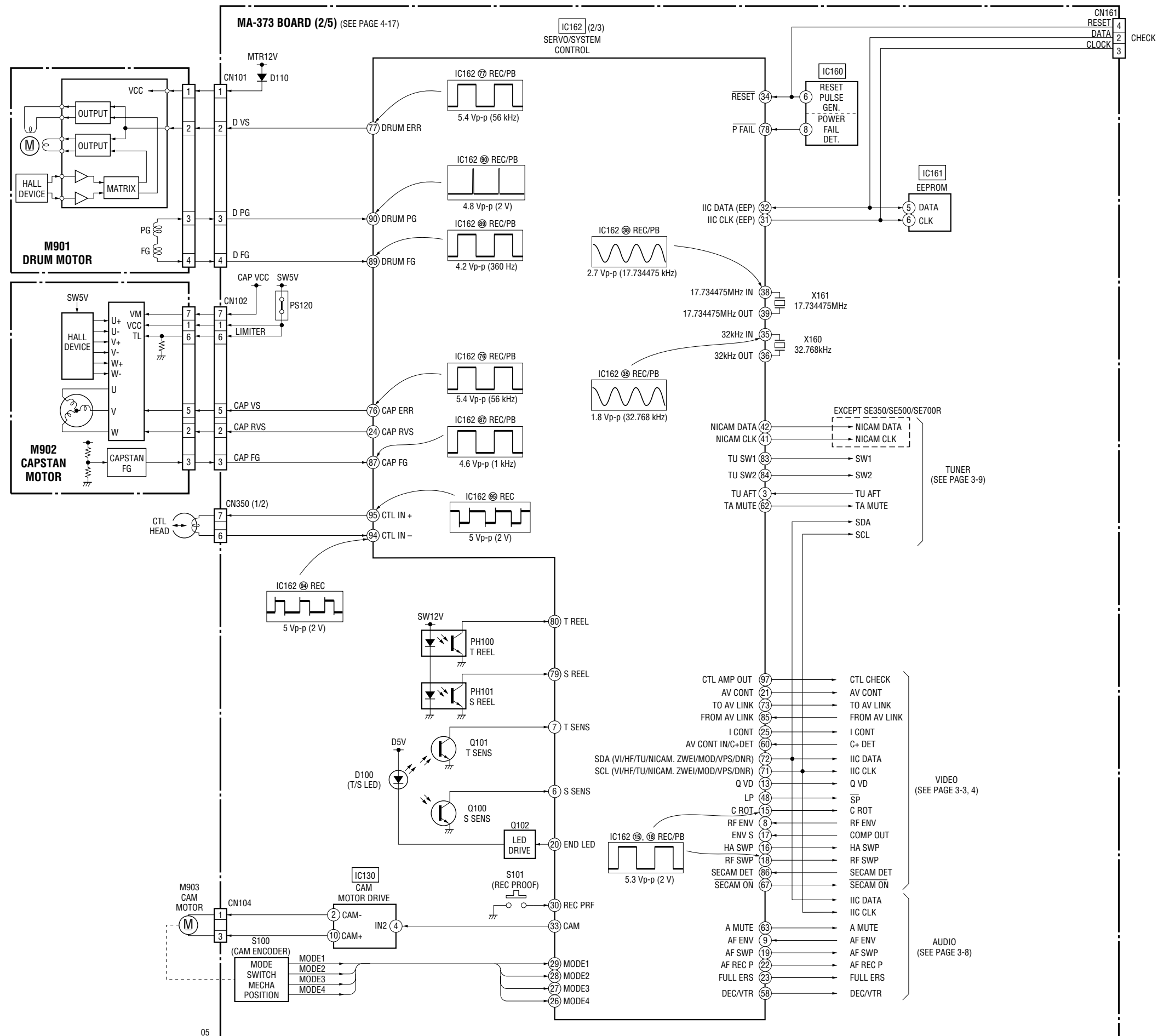


SECTION 3
BLOCK DIAGRAMS

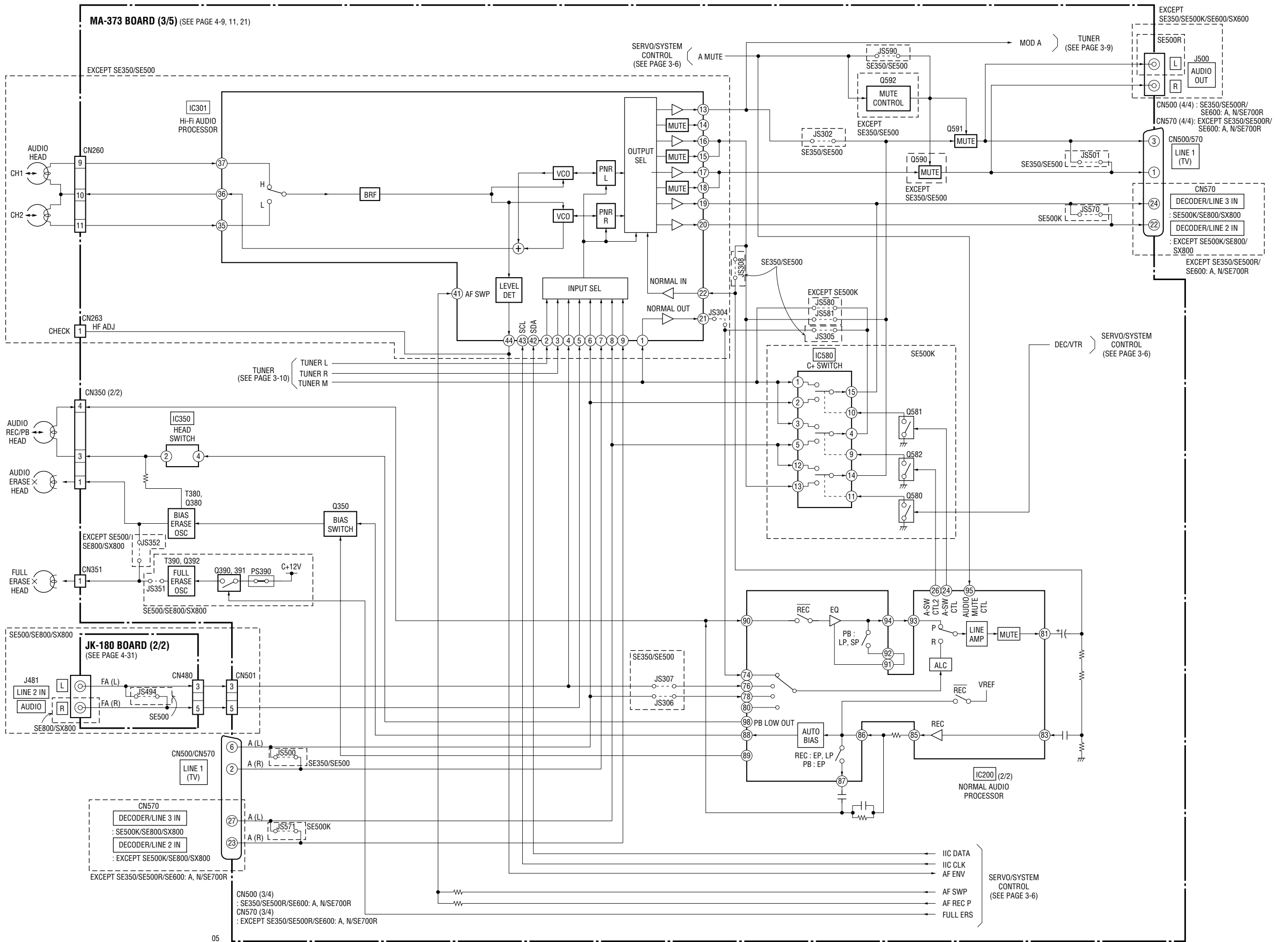
3-1. OVERALL BLOCK DIAGRAM



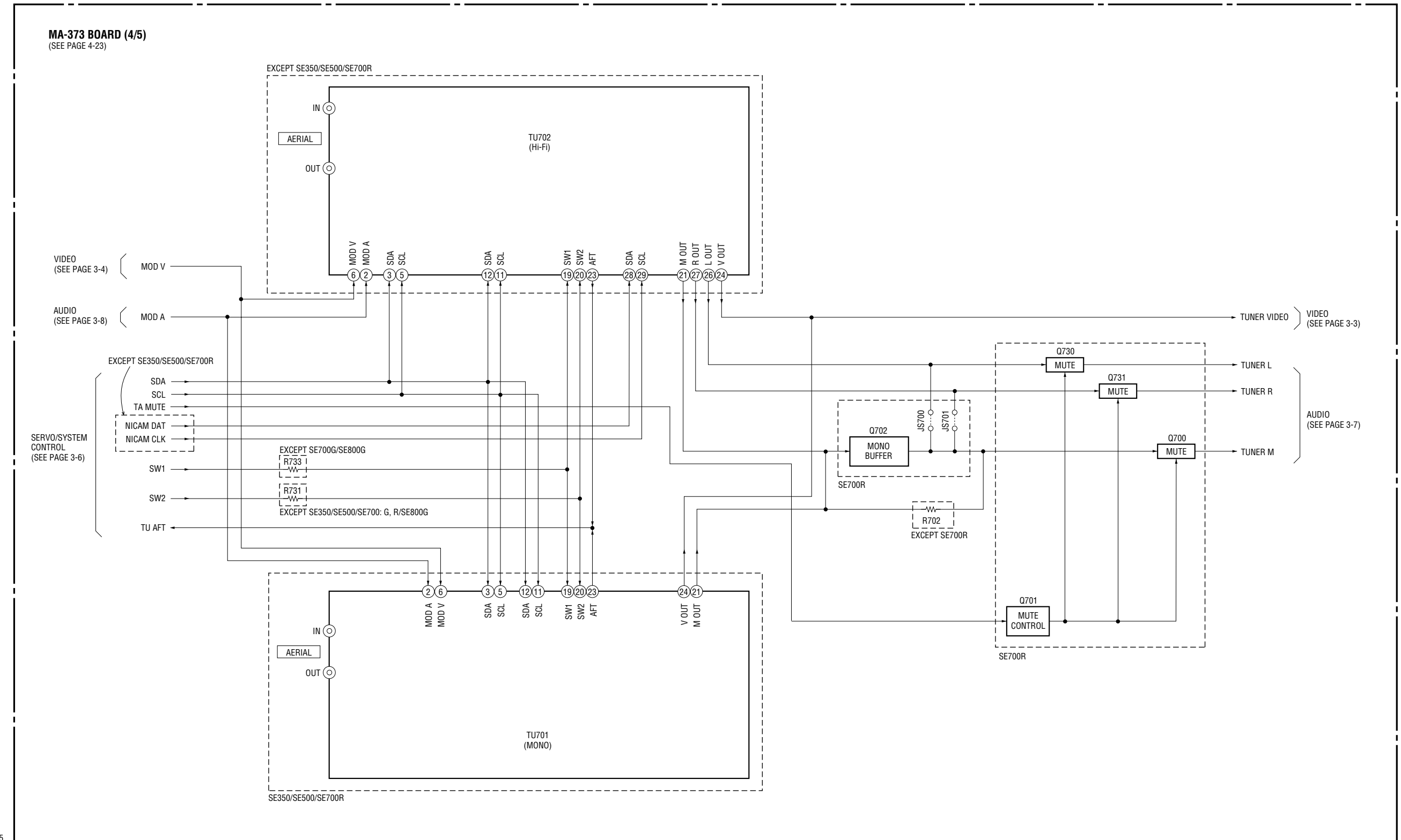
3-3. SERVO/SYSTEM CONTROL BLOCK DIAGRAM



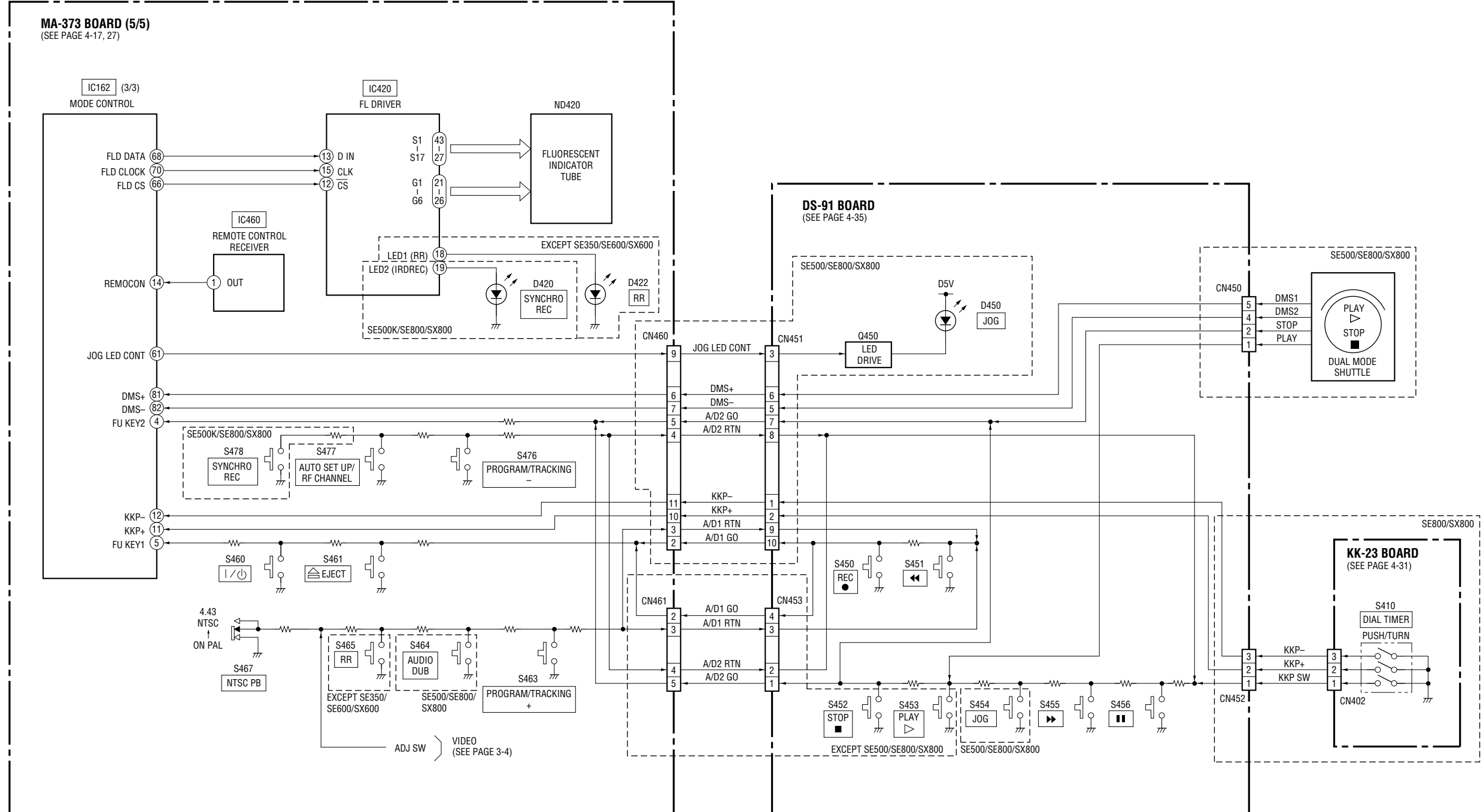
3-4. AUDIO BLOCK DIAGRAM



3-5. TUNER BLOCK DIAGRAM

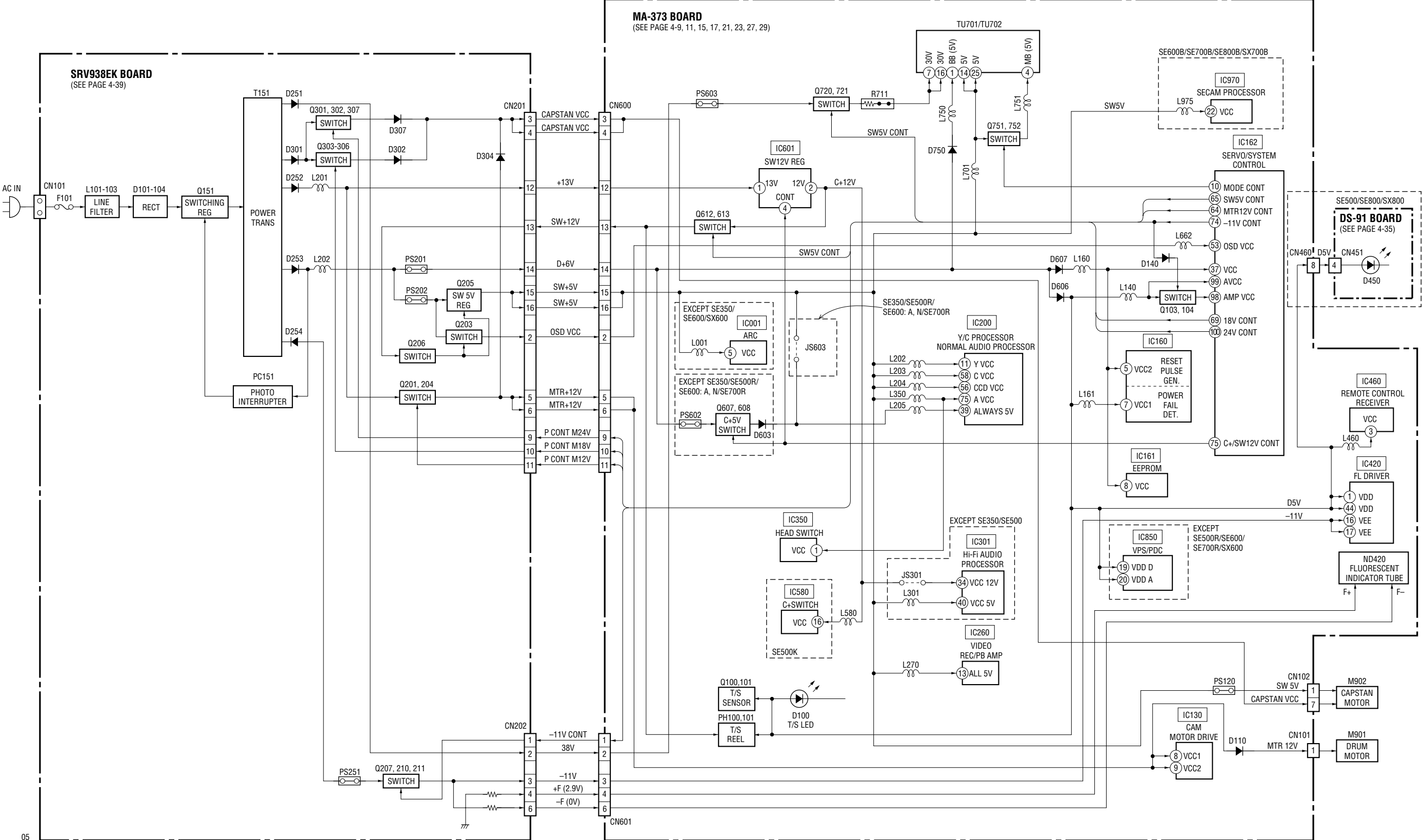


3-6. MODE CONTROL BLOCK DIAGRAM



05

3-7. POWER BLOCK DIAGRAM



05




SECTION 4

PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS








THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.

(In addition to this, the necessary note is printed in each block.)

For printed wiring board:

-  : indicates a lead wire mounted on the component side.
-  : indicates a lead wire mounted on the printed side.
-  : Pattern from the side which enables seeing.
(The other layers' patterns are not indicated.)

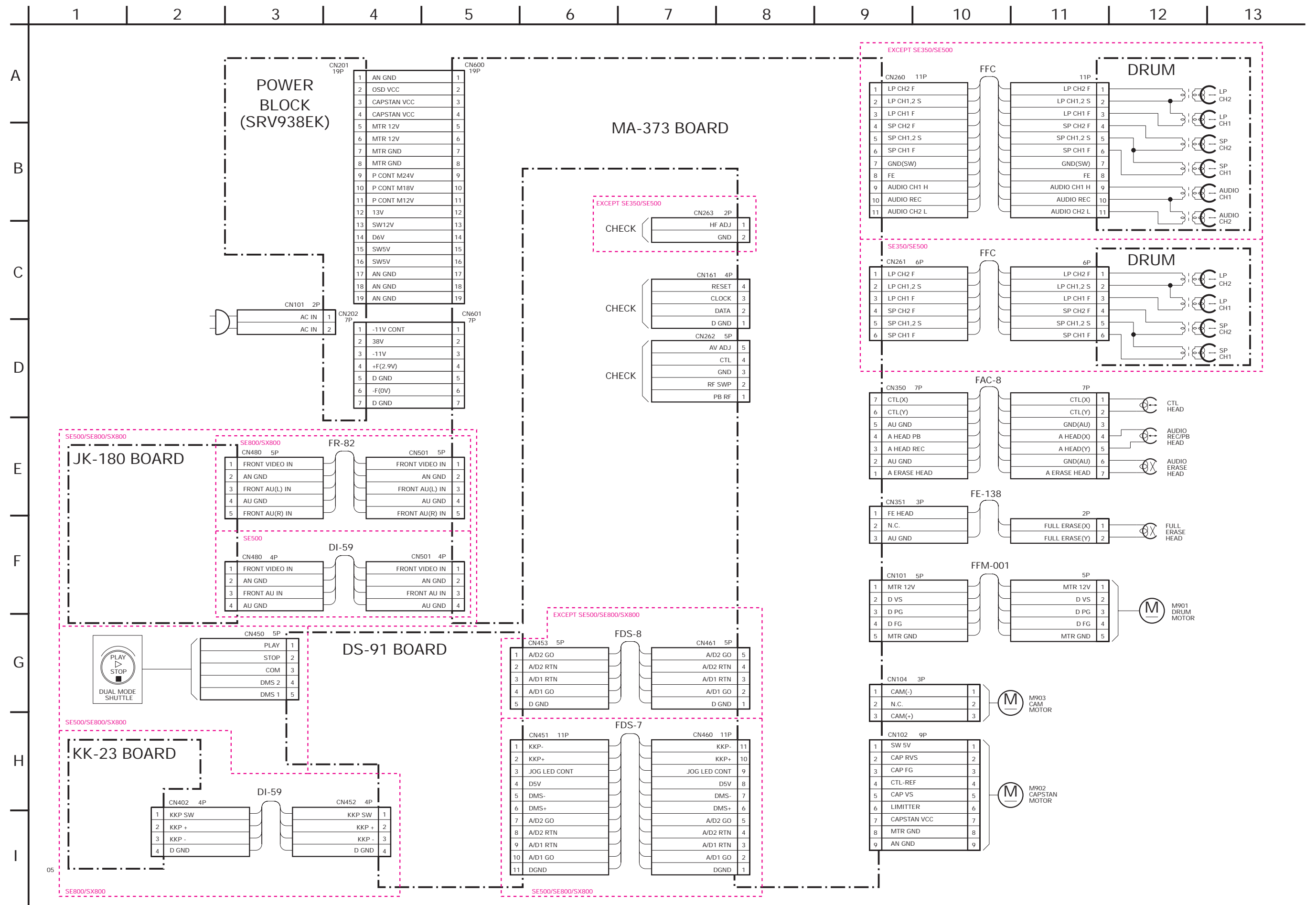
For schematic Diagram:

- Caution when replacing chip parts.
New parts must be attached after removal of chip.
Be careful not to heat the minus side of tantalum capacitor, because it is damaged by the heat.
- All resistors are in ohms, $\frac{1}{4}$ W (Chip resistors : $\frac{1}{10}$ W) unless otherwise specified.
k Ω : 1000 Ω , MW : 1000k Ω .
- All capacitors are in μ F unless otherwise noted. pF : μ F
50V or less are not indicated except for electrolytics and tantalums.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
-  : nonflammable resistor.
-  : fusible resistor.
-  : panel designation.
-  : internal component.
-  : adjustment for repair.
-  : B+ Line.
-  : B- Line.
- Circled numbers refer to waveforms.
- Voltages are dc between measurement point.
- Readings are taken with a color-bar signal input.
- Readings are taken with a digital multimeter (DC 10MW).
- Voltage variations may be noted due to normal production tolerances.

Note: The components identified by mark \triangle or dotted line with mark \triangle are critical for safety.
Replace only with part number specified.

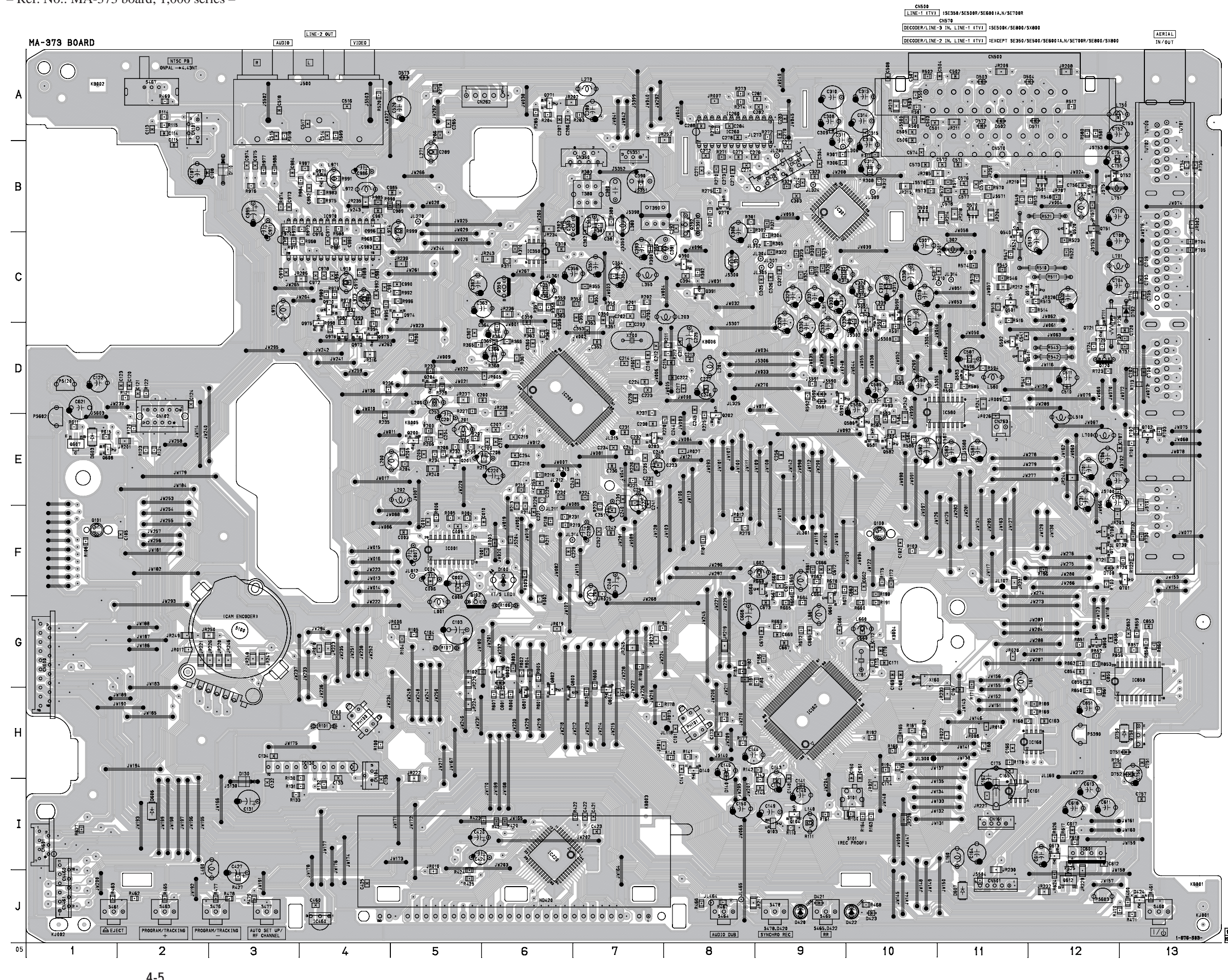
When indicating parts by reference number, please include the board name.

4-1. FRAME SCHEMATIC DIAGRAM



4-2. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS
MA-373 (VIDEO, AUDIO, I/O, SERVO/SYSTEM CONTROL, TUNER, MODE CONTROL) PRINTED WIRING BOARD

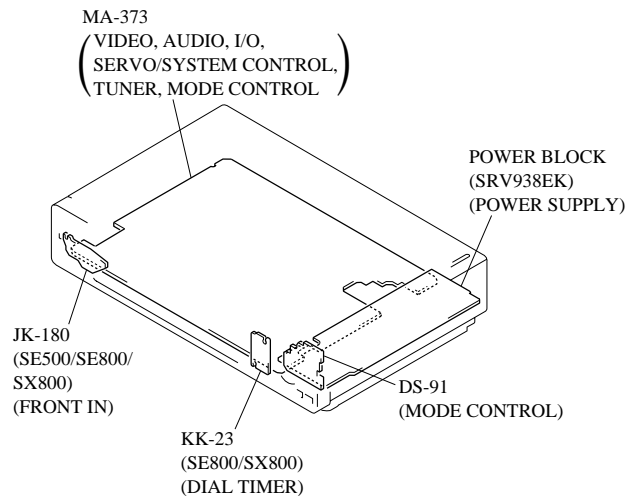
- Ref. No.: MA-373 board; 1,000 series -



CNS00
 LINE-1 ITV1 1SE350/SE500R/SE6001A.N/SE700R
 DECODER/LINE-3 IN, LINE-1 ITV1 1SE300K/SE600/SX600
 DECODER/LINE-2 IN, LINE-1 ITV1 1SEXCEPT SE350/SE500/SE6001A.N/SE700R/SE800/SX800

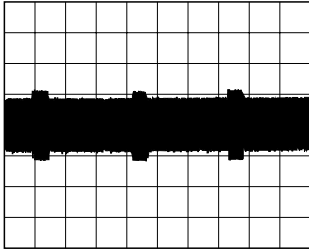
MA-373 BOARD

CN101	A-2	Q100	F-10
CN102	E-2	Q101	F-1
CN104	H-4	Q102	F-5
CN161	I-11	Q103	I-9
CN260	B-9	Q104	I-9
CN261	B-9	Q140	H-8
CN262	A-6	Q200	E-5
CN263	E-11	Q201	E-5
CN350	B-7	Q202	E-8
CN351	B-7	Q203	E-7
CN460	J-1	Q204	D-5
CN461	J-1	Q270	B-8
CN500	A-11	Q350	C-6
CN501	J-11	Q380	B-6
CN570	B-11	Q390	C-8
CN600	G-1	Q391	C-8
CN601	I-1	Q392	B-8
		Q501	C-11
D100	F-6	Q502	D-11
D110	B-3	Q510	C-11
D140	I-8	Q520	B-12
D420	J-9	Q540	C-11
D421	J-9	Q541	D-11
D422	J-10	Q580	E-10
D423	J-10	Q581	E-10
D424	J-13	Q582	E-10
D500	B-10	Q583	D-11
D501	B-12	Q590	C-10
D502	A-11	Q591	D-10
D503	A-11	Q592	D-9
D504	A-11	Q607	E-1
D570	B-11	Q608	E-1
D571	A-12	Q612	J-12
D572	A-11	Q613	I-12
D573	A-5	Q660	F-8
D590	D-9	Q661	G-9
D591	D-9	Q700	F-12
D603	E-1	Q701	F-13
D606	I-2	Q702	E-13
D607	J-11	Q720	D-12
D700	F-12	Q721	D-12
D702	C-13	Q730	F-13
D750	H-13	Q731	F-12
D800	G-6	Q751	B-12
		Q752	B-13
IC001	F-5	Q800	G-6
IC130	H-4	Q801	H-6
IC160	H-12	Q802	G-6
IC161	I-11	Q803	G-6
IC162	H-9	Q804	H-7
IC200	D-6	Q850	G-12
IC260	A-6	Q970	C-4
IC301	B-9	Q972	D-4
IC350	C-6	Q973	D-4
IC420	I-6	Q974	C-5
IC460	J-4	Q975	D-4
IC580	D-11	Q976	D-4
IC601	I-12		
IC850	G-13		
IC970	B-4		



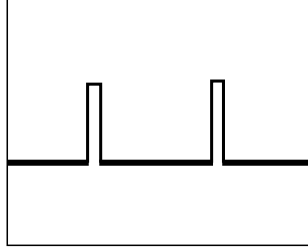
• Waveforms

① IC260 ⑰ REC



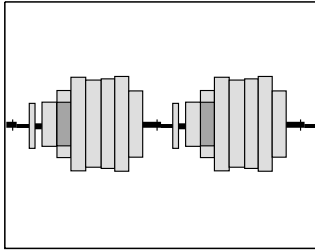
3.8 Vp-p (H)

⑤ IC260 ⑤ REC/PB



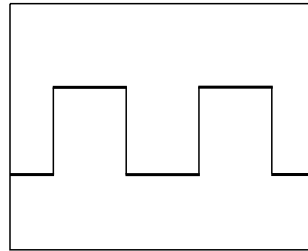
3.6 Vp-p (H)

② IC260 ⑩ REC



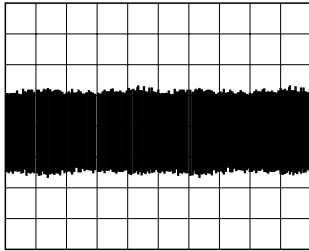
280 mVp-p (H)

⑥ IC260 ④ REC/PB



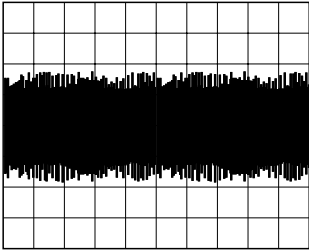
3.8 Vp-p (2 V)

③ IC260 ⑨ REC/PB



REC : 170 mVp-p (H)
PB : 120 mVp-p (H)

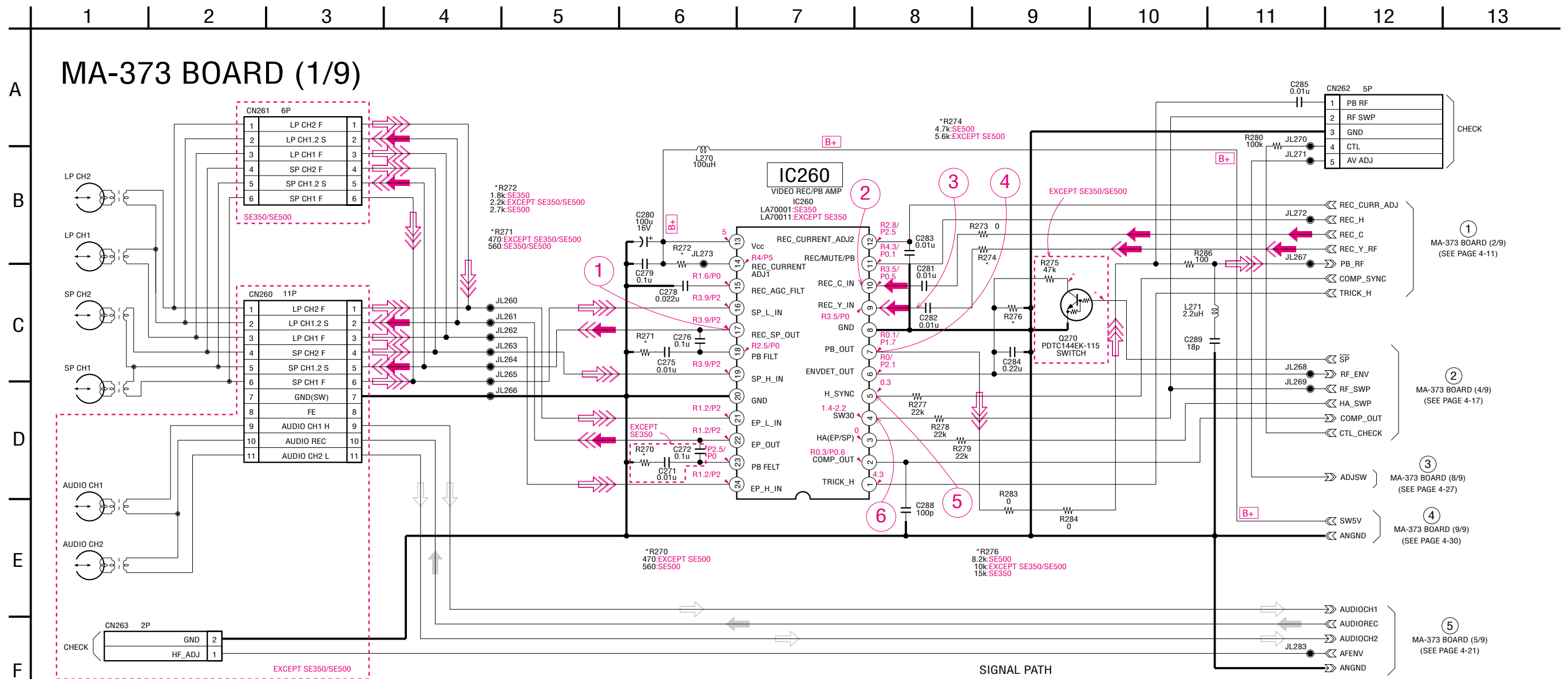
④ IC260 ⑦ PB



700 mVp-p (H)

MA-373 (HEAD AMP) SCHEMATIC DIAGRAM • See page 4-5 for printed wiring board.

- Ref. No.: MA-373 board; 1,000 series -



NO MARK:REC/PB MODE
 R:REC MODE
 P:PB MODE
 *:IMPOSSIBLE TO MEASURE THE VOLTAGE AT THE MARKED POINTS.

SIGNAL PATH

	VIDEO SIGNAL			AUDIO SIGNAL
	CHROMA	Y	Y/CHROMA	
REC	→	→	→	→
PB			→	→

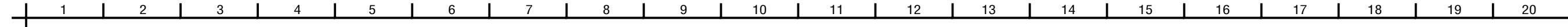
1 MA-373 BOARD (2/9)
(SEE PAGE 4-11)

2 MA-373 BOARD (4/9)
(SEE PAGE 4-17)

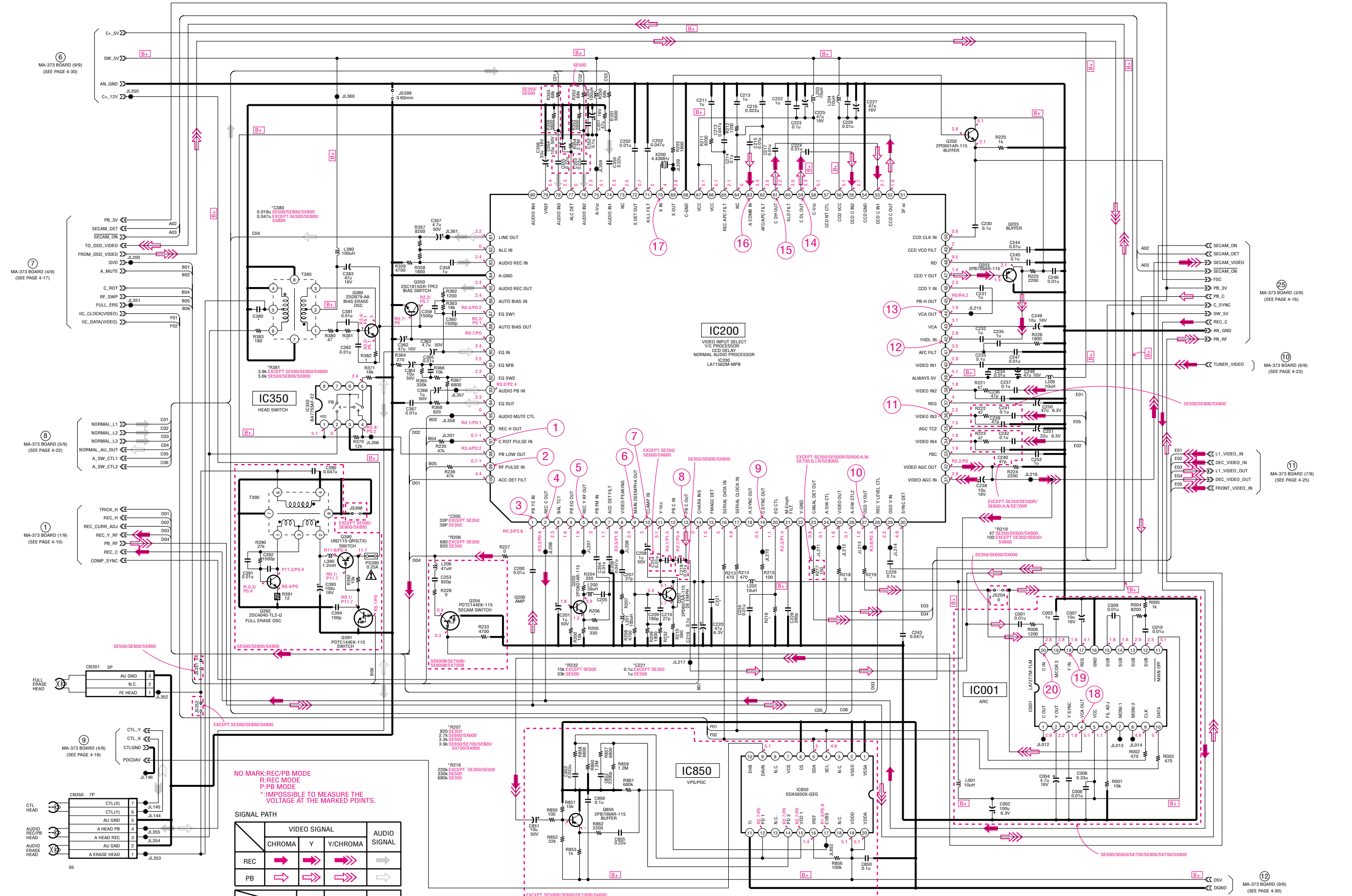
3 MA-373 BOARD (8/9)
(SEE PAGE 4-27)

4 MA-373 BOARD (9/9)
(SEE PAGE 4-30)

5 MA-373 BOARD (5/9)
(SEE PAGE 4-21)



MA-373 BOARD (2/9)



NO MARK-REC/PB MODE
 P-REC MODE
 P-PB MODE
 *IMPOSSIBLE TO MEASURE THE VOLTAGE AT THE MARKED POINTS.

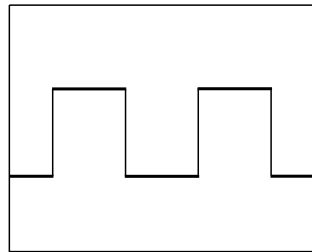
SIGNAL PATH

	VIDEO SIGNAL			AUDIO SIGNAL
	CHROMA	Y	Y/CHROMA	
REC	→	→	→	→
PB	→	→	→	→
Ref.signal	→	→	→	→

Note: The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

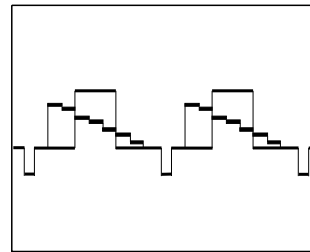
• Waveforms

1 IC200 ②7 PB



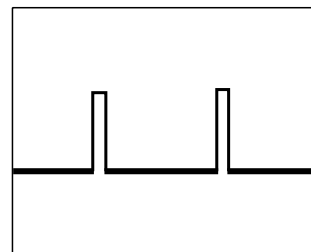
1.7 Vp-p (2 V)

6 IC200 ⑨ REC



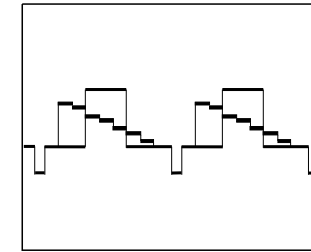
424 mVp-p (H)

9 IC200 ⑲ REC/PB



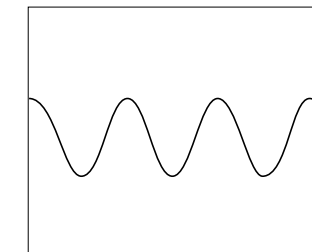
4.3 Vp-p (H)

15 IC200 ④4 REC/PB



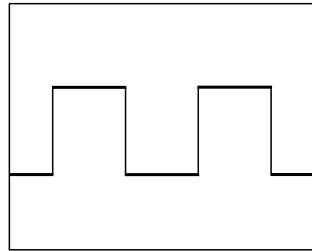
REC : 296 mVp-p (H)
PB : 336 mVp-p (H)

17 IC200 ⑦0 REC/PB



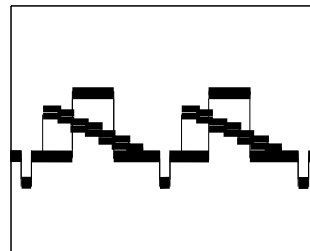
472 mVp-p (4.43 MHz)

2 IC200 ③9 PB



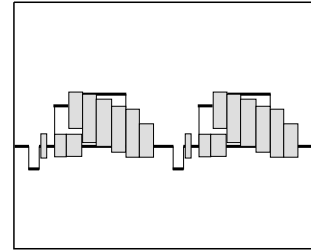
1.7 Vp-p (2 V)

6 IC200 ⑨ PB



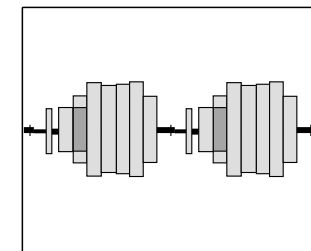
496 mVp-p (H)

10 IC200 ②7 REC



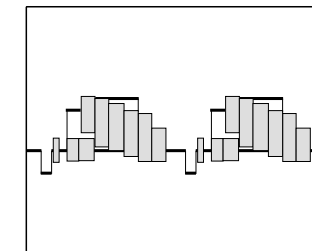
2 Vp-p (H)

14 IC200 ③9 REC/PB



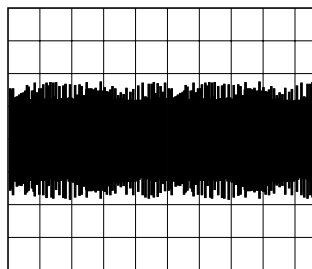
REC : 296 mVp-p (H)
PB : 324 mVp-p (H)

18 IC001 ④ REC/PB



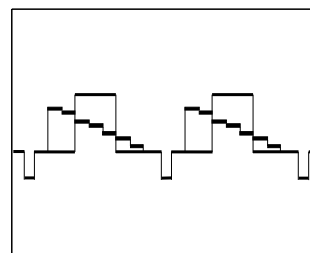
2 Vp-p (H)

3 IC200 ① PB



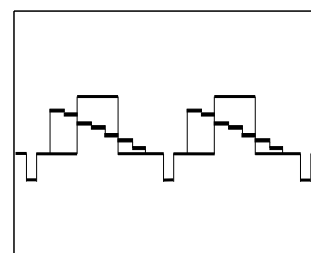
704 mVp-p (H)

7 IC200 ⑩ REC



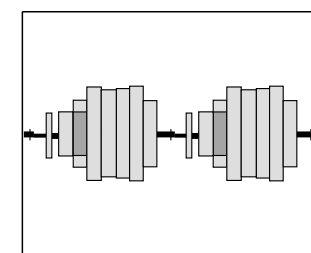
424 mVp-p (H)

10 IC200 ②7 PB



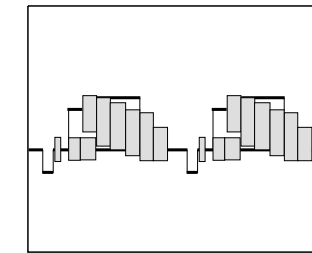
1.8 Vp-p (H)

15 IC200 ⑥1 REC/PB



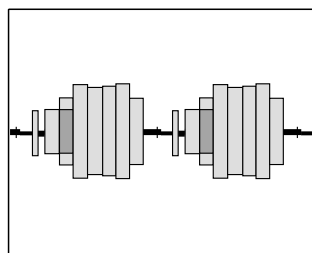
REC : 276 mVp-p (H)
PB : 288 mVp-p (H)

19 IC001 ⑩ REC



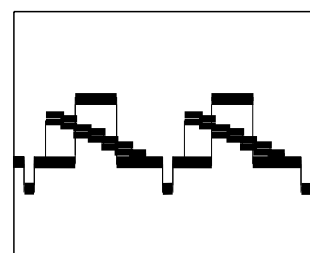
2 Vp-p (H)

4 IC200 ② REC



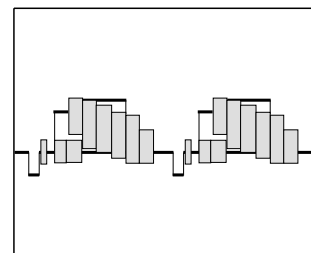
276 mVp-p (H)

7 IC200 ⑩ PB



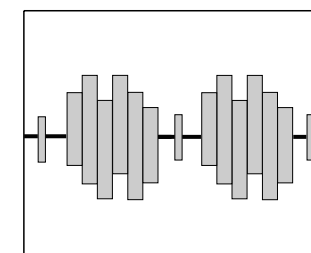
536 mVp-p (H)

11 IC200 ③0 REC/PB



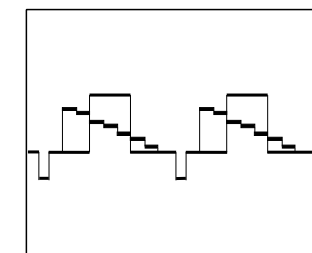
1.1 Vp-p (H)

16 IC200 ⑥3 REC



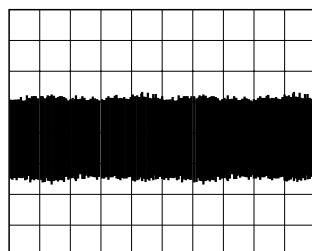
304 mVp-p (H)

19 IC001 ⑩ PB



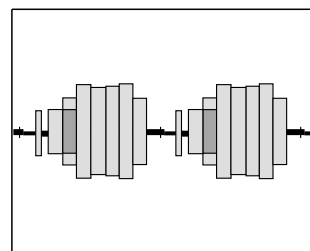
1.8 Vp-p (H)

5 IC200 ⑤ REC/PB



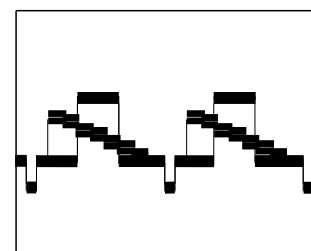
REC : 504 mVp-p (H)
PB : 320 mVp-p (H)

8 IC200 ⑬ PB



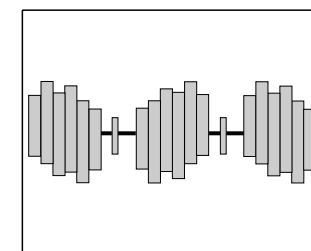
488 mVp-p (H)

12 IC200 ④2 REC/PB



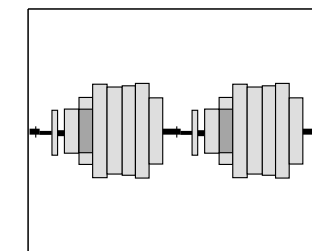
REC : 320 mVp-p (H)
PB : 368 mVp-p (H)

16 IC200 ⑥3 PB



304 mVp-p (H)

20 IC001 ②0 PB



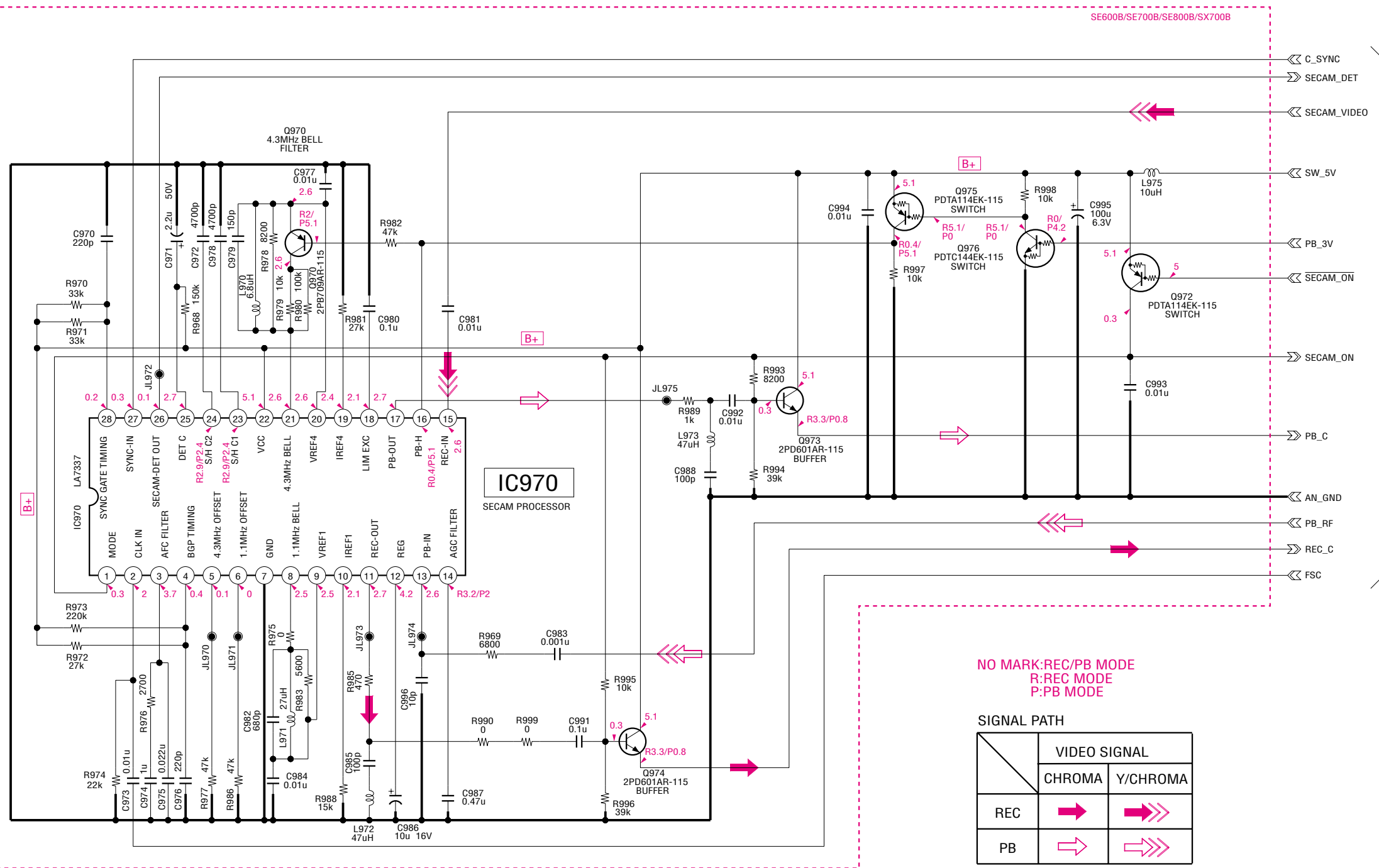
372 mVp-p (H)

1 2 3 4 5 6 7 8 9 10 11 12

A
B
C
D
E
F
G

MA-373 BOARD (3/9)

SE600B/SE700B/SE800B/SX700B



(25)
MA-373 BOARD (2/9)
(SEE PAGE 4-12)

NO MARK: REC/PB MODE
R: REC MODE
P: PB MODE

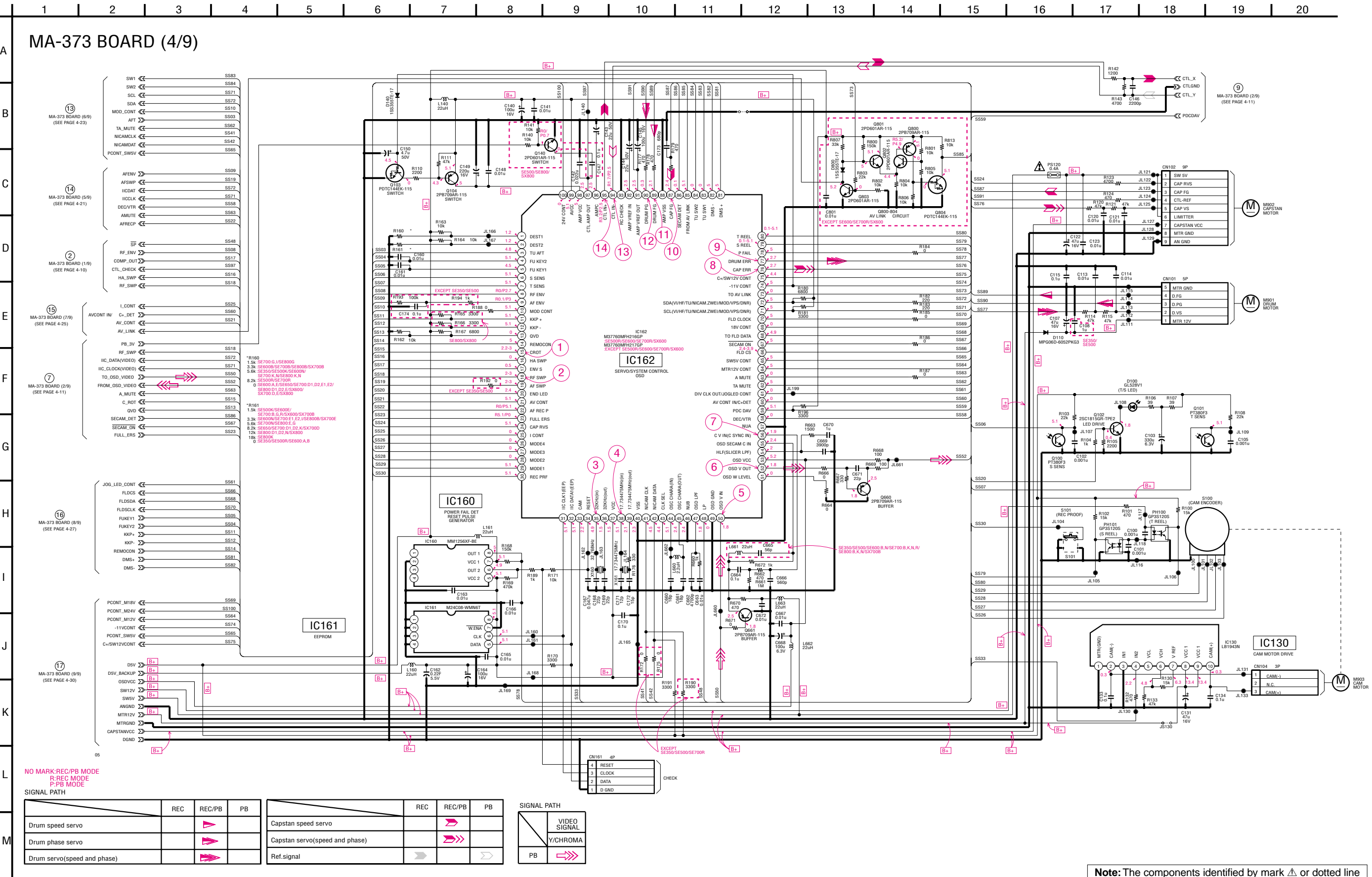
SIGNAL PATH

	VIDEO SIGNAL	
	CHROMA	Y/CHROMA
REC	→	→→
PB	⇨	⇨⇨

05

MA-373 (SERVO/SYSTEM CONTROL) SCHEMATIC DIAGRAM • See page 4-5 for printed wiring board and page 4-19 for waveforms.

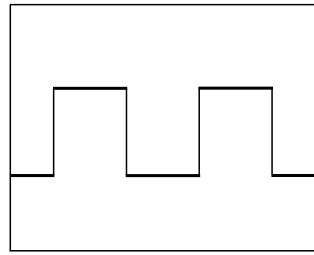
- Ref. No.: MA-373 board; 1,000 series -



Note: The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

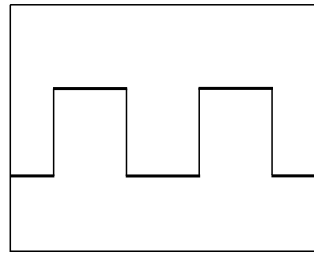
• Waveforms

1 IC162 19 REC/PB



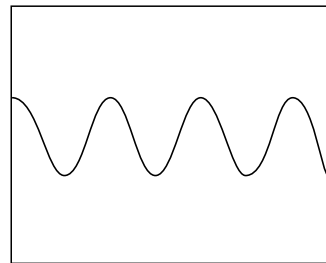
5.3 Vp-p (2 V)

2 IC162 19 REC/PB



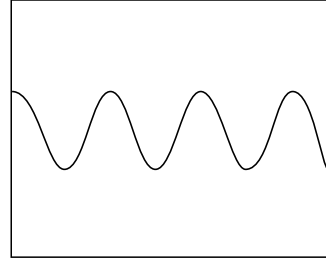
5.3 Vp-p (2 V)

3 IC162 39 REC/PB



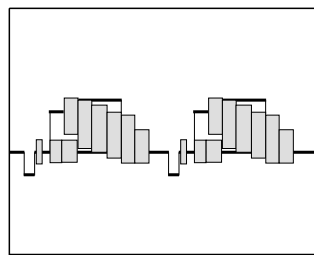
1.8 Vp-p (32.768 kHz)

4 IC162 39 REC/PB



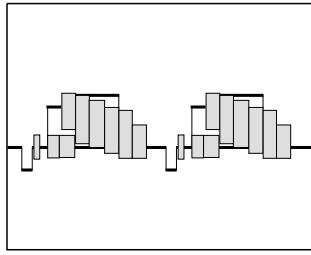
2.7 Vp-p (17.734475 MHz)

5 IC162 50 REC/PB



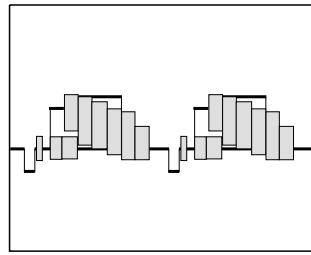
2 Vp-p (H)

6 IC162 52 REC/PB



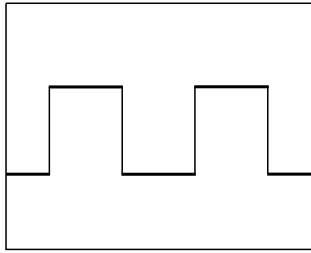
2 Vp-p (H)

7 IC162 56 REC/PB



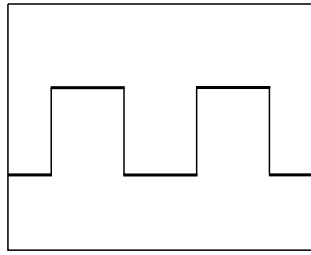
2 Vp-p (H)

8 IC162 76 REC/PB



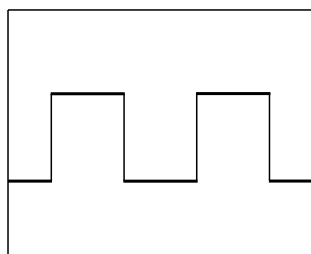
5.4 Vp-p (56 kHz)

9 IC162 77 REC/PB



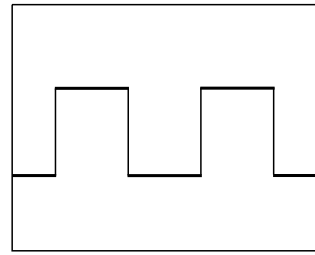
5.4 Vp-p (56 kHz)

10 IC162 87 REC/PB



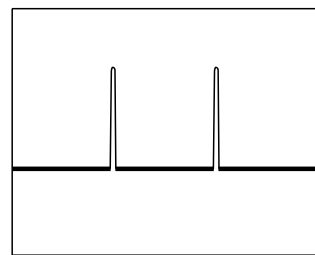
4.6 Vp-p (1 kHz)

11 IC162 69 REC/PB



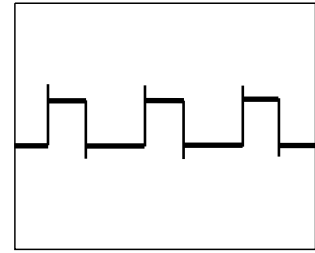
4.2 Vp-p (360 Hz)

12 IC162 90 REC/PB



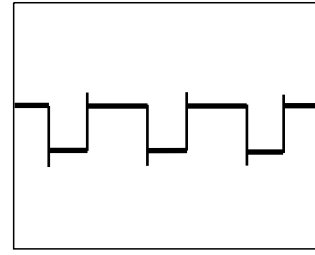
4.8 Vp-p (2 V)

13 IC162 94 REC

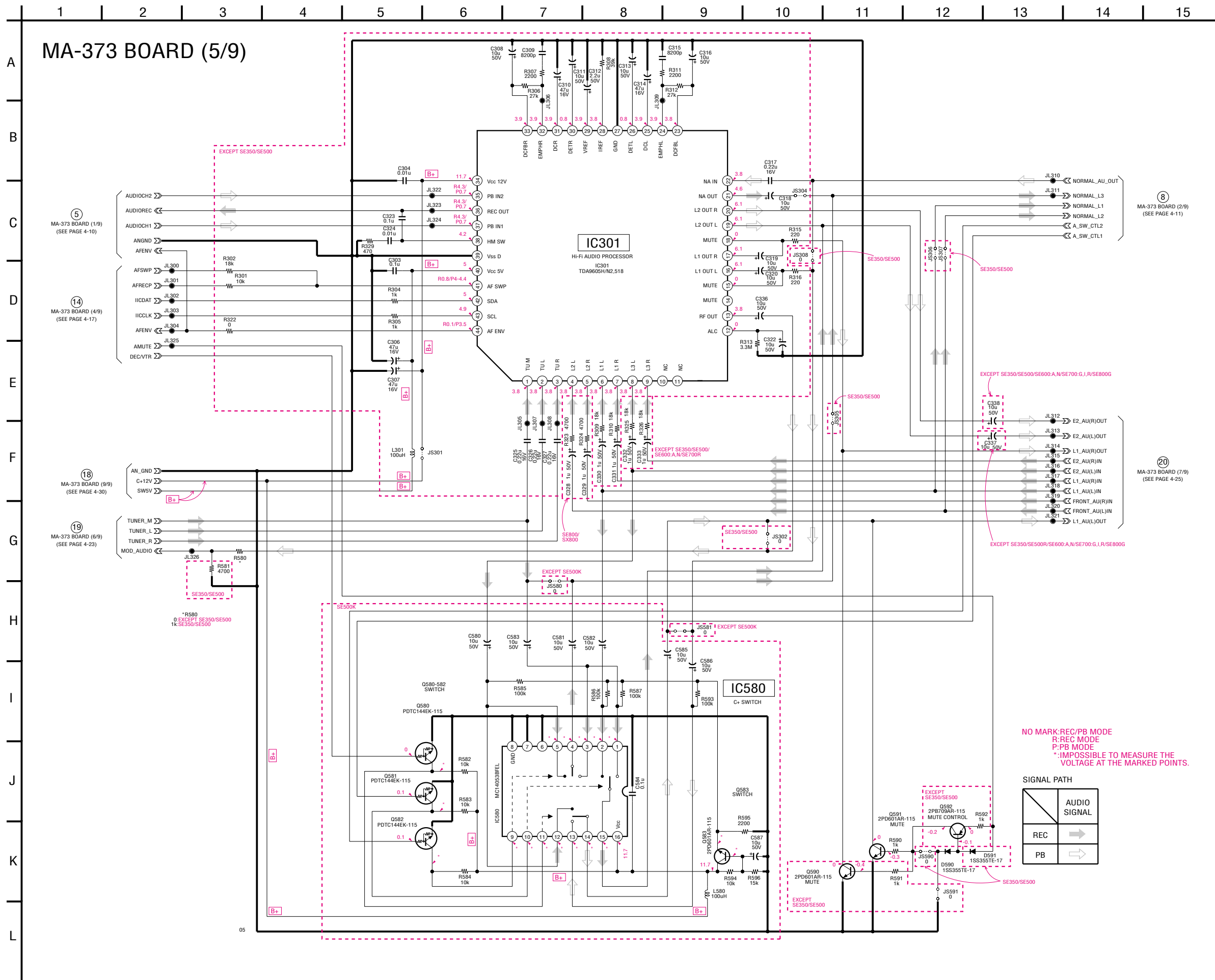


5 Vp-p (2 V)

14 IC200 95 REC



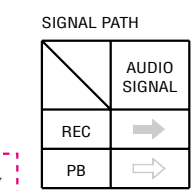
5 Vp-p (2 V)



MA-373 BOARD (2/9)
(SEE PAGE 4-11)

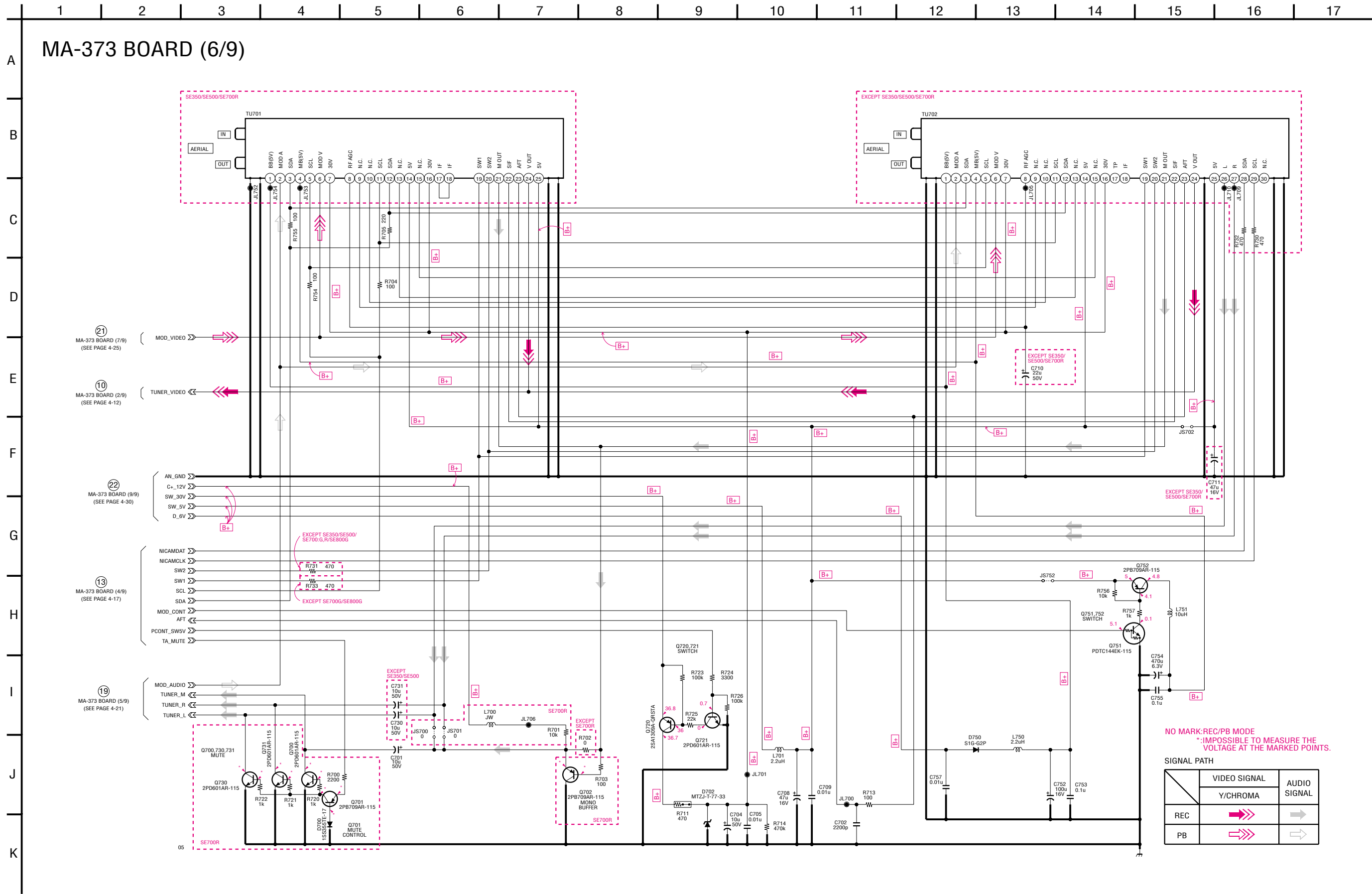
MA-373 BOARD (7/9)
(SEE PAGE 4-25)

NO MARK: REC/PB MODE
R: REC MODE
P: PB MODE
*IMPOSSIBLE TO MEASURE THE VOLTAGE AT THE MARKED POINTS.



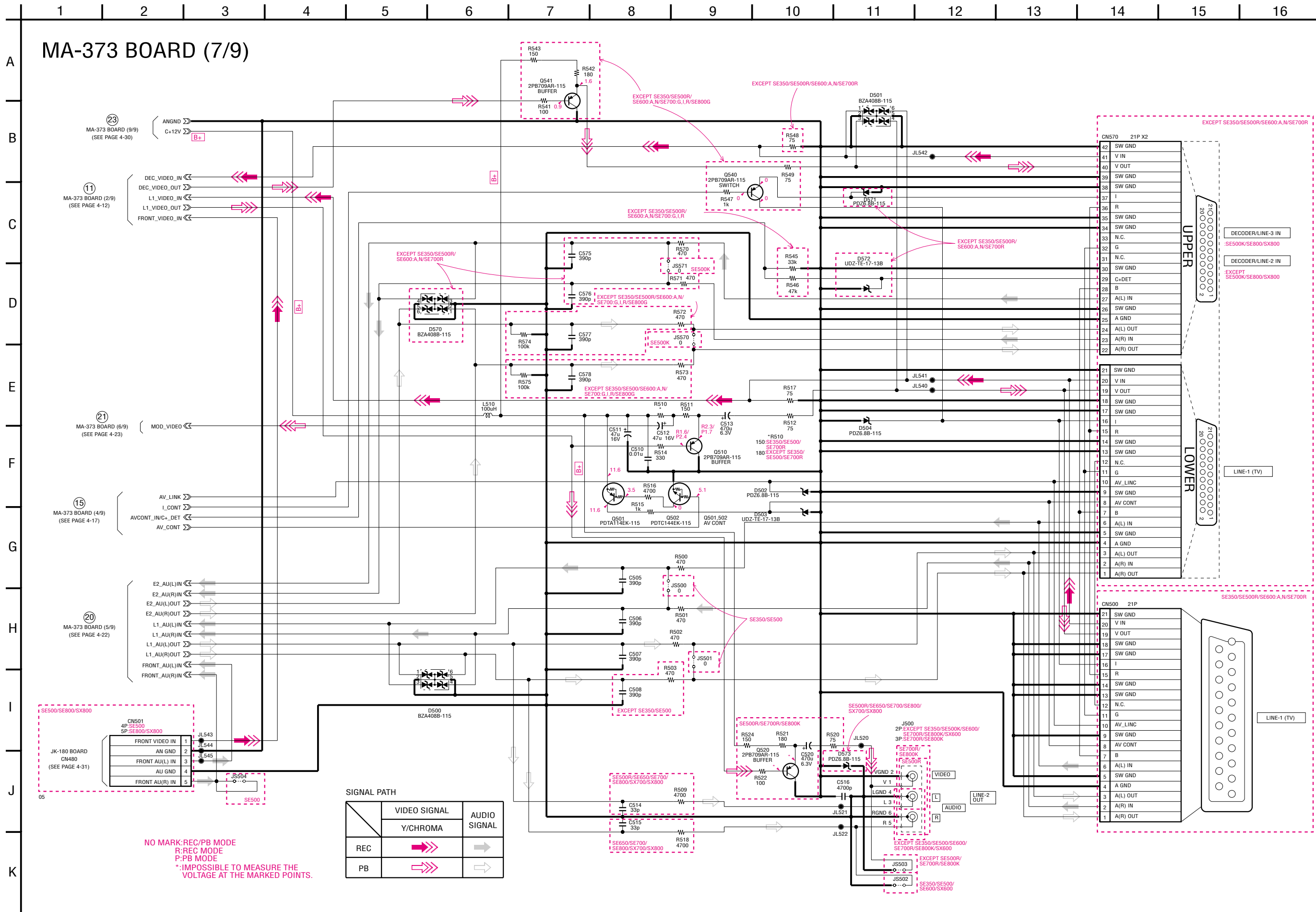
MA-373 (TUNER) SCHEMATIC DIAGRAM • See page 4-5 for printed wiring board.

– Ref. No.: MA-373 board; 1,000 series –



NO MARK: REC/PB MODE
*: IMPOSSIBLE TO MEASURE THE VOLTAGE AT THE MARKED POINTS.

	VIDEO SIGNAL	AUDIO SIGNAL
	Y/CHROMA	
REC	→	→
PB	→	→



MA-373 BOARD (7/9)

MA-373 BOARD (9/9)
(SEE PAGE 4-30)

MA-373 BOARD (2/9)
(SEE PAGE 4-12)

MA-373 BOARD (6/9)
(SEE PAGE 4-23)

MA-373 BOARD (4/9)
(SEE PAGE 4-17)

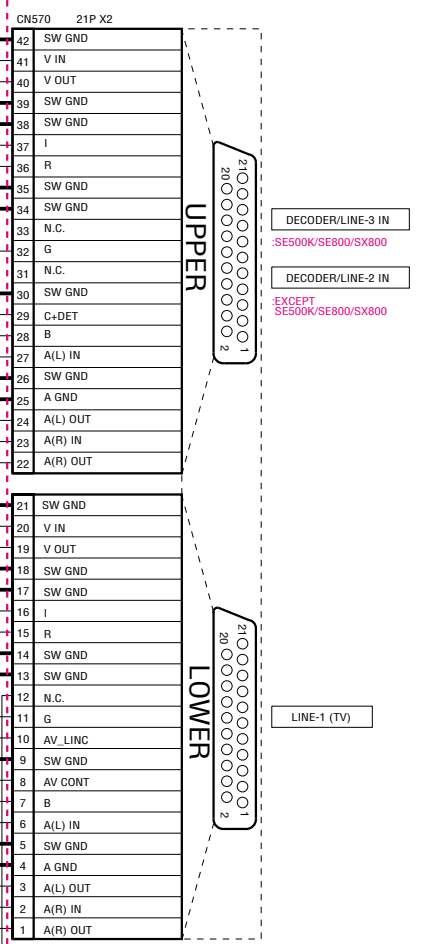
MA-373 BOARD (5/9)
(SEE PAGE 4-22)

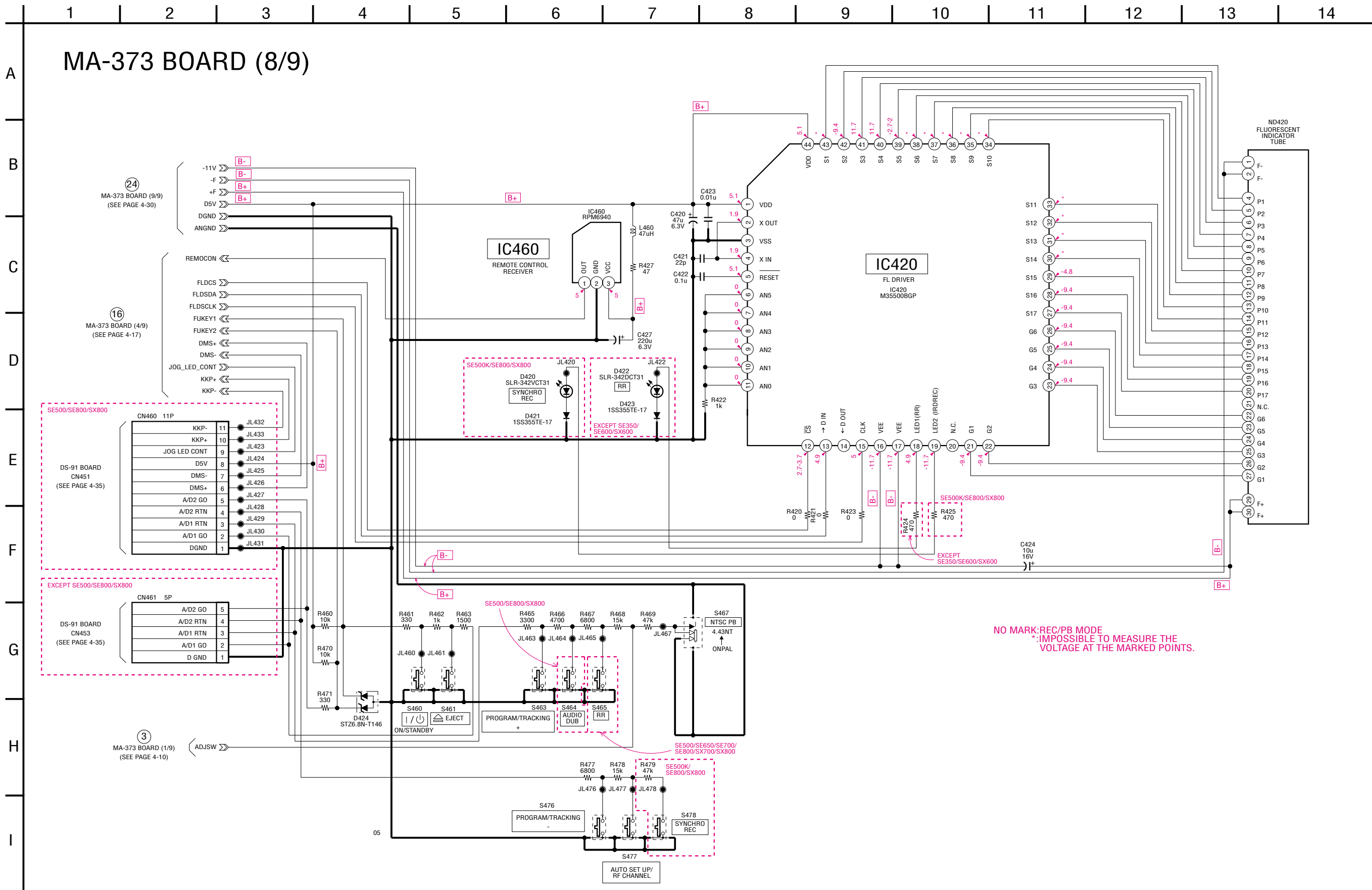
JK-180 BOARD
CN480
(SEE PAGE 4-31)

SIGNAL PATH

	VIDEO SIGNAL	AUDIO SIGNAL
REC	➡➡➡	➡
PB	➡➡➡	➡

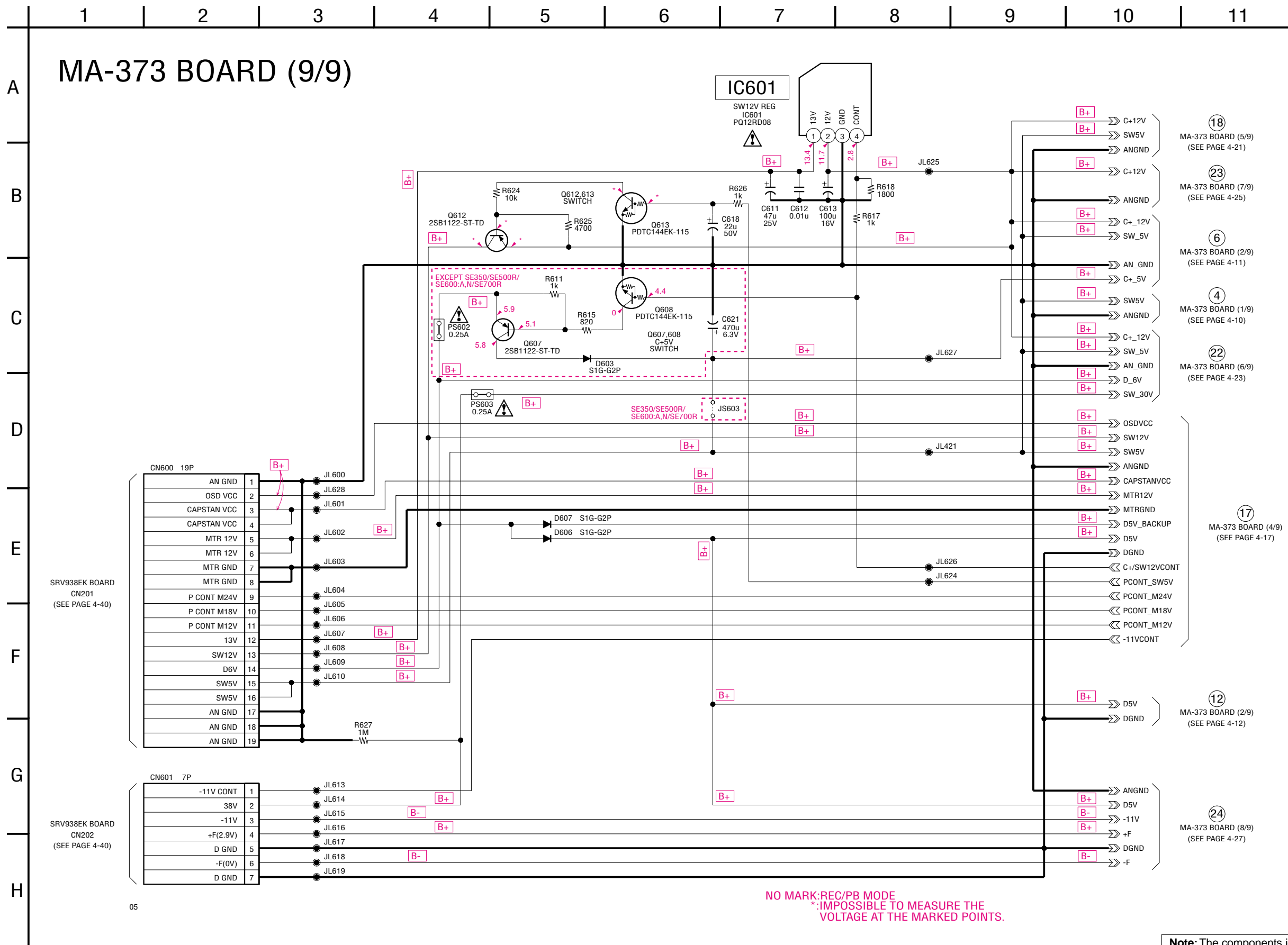
NO MARK-REC/PB MODE
R:REC MODE
P:PB MODE
*:IMPOSSIBLE TO MEASURE THE VOLTAGE AT THE MARKED POINTS.





MA-373 (POWER SUPPLY) SCHEMATIC DIAGRAM • See page 4-5 for printed wiring board and page 4-19 for waveforms.

– Ref. No.: MA-373 board; 1,000 series –

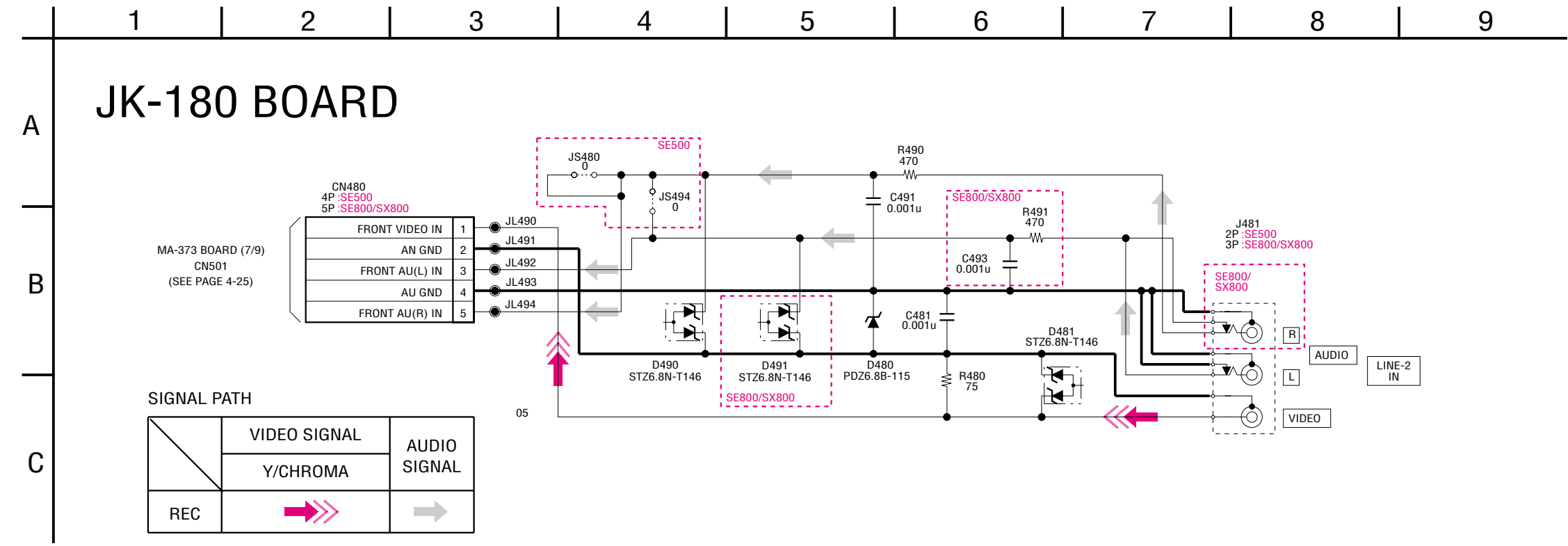


- ⑱ MA-373 BOARD (5/9) (SEE PAGE 4-21)
- ⑳ MA-373 BOARD (7/9) (SEE PAGE 4-25)
- ⑥ MA-373 BOARD (2/9) (SEE PAGE 4-11)
- ④ MA-373 BOARD (1/9) (SEE PAGE 4-10)
- ㉒ MA-373 BOARD (6/9) (SEE PAGE 4-23)
- ⑰ MA-373 BOARD (4/9) (SEE PAGE 4-17)
- ⑫ MA-373 BOARD (2/9) (SEE PAGE 4-12)
- ㉔ MA-373 BOARD (8/9) (SEE PAGE 4-27)

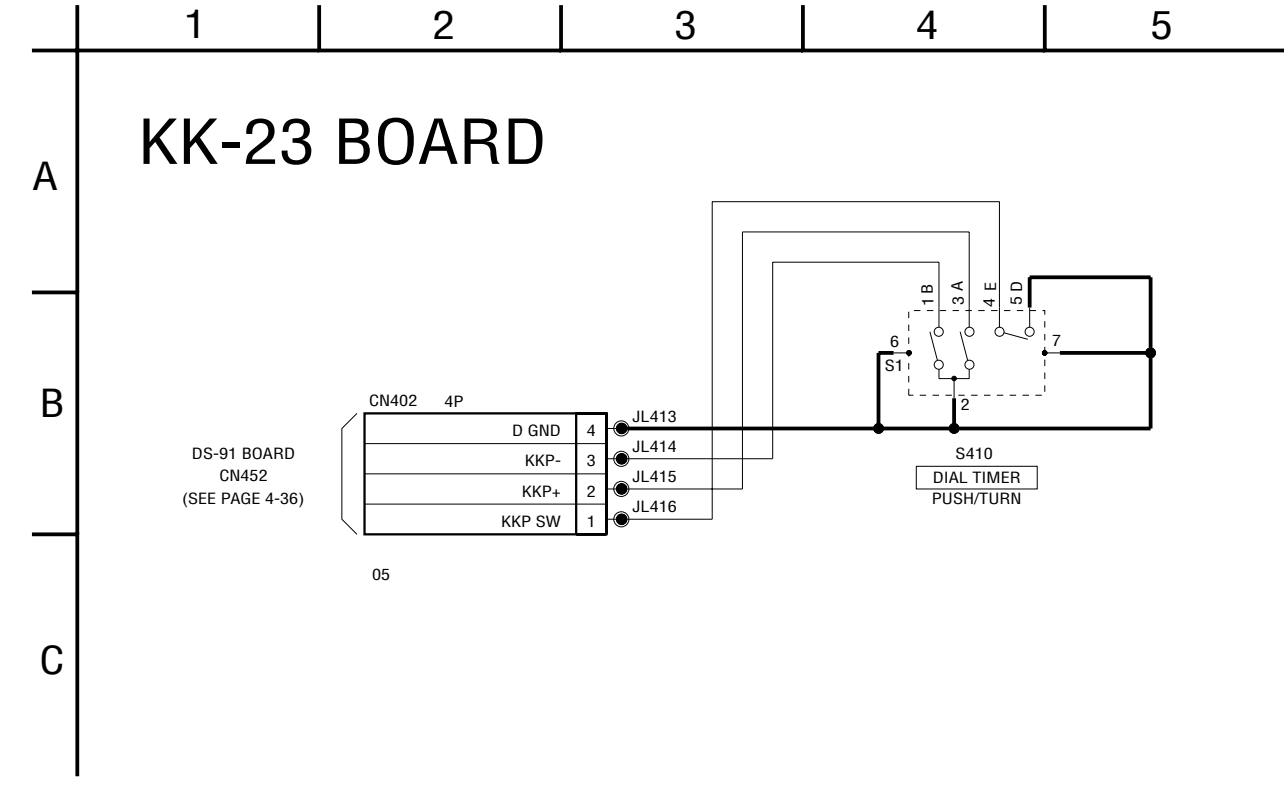
Note: The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

JK-180 (FRONT IN), KK-23 (DIAL TIMER) SCHEMATIC DIAGRAMS

- Ref. No.:JK-180 board, KK-23 board; 1,000 series -
 -SLV-SE500/SE800/SX800 -



-SLV-SE800/SX800 -



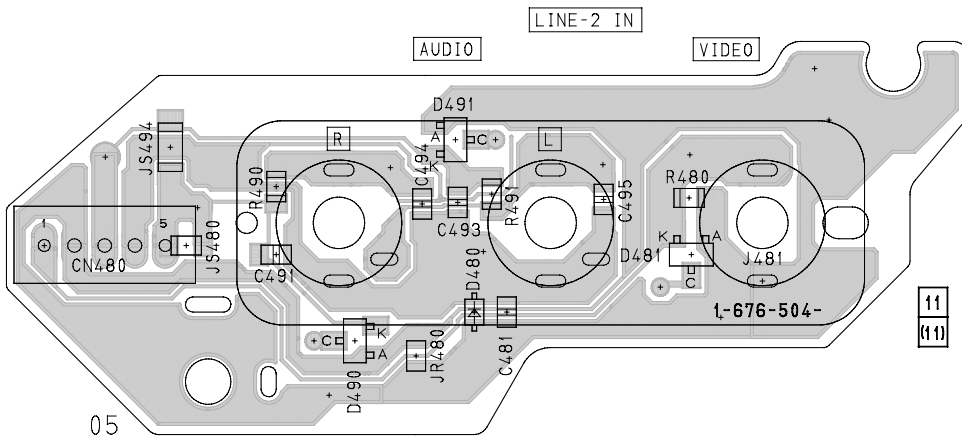
JK-180 (FRONT IN), KK-23 (DIAL TIMER) PRINTED WIRING BOARDS

– Ref. No.: JK-180 board, KK-23 board; 1,000 series –

There are few cases that the part isn't mounted in this model is printed on this diagram.

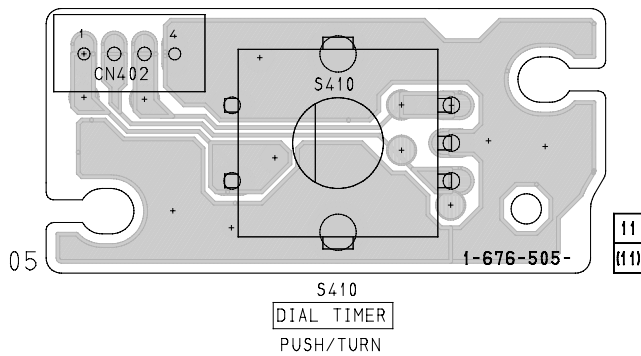
–SLV-SE500/SE800/SX800 –

JK-180 BOARD

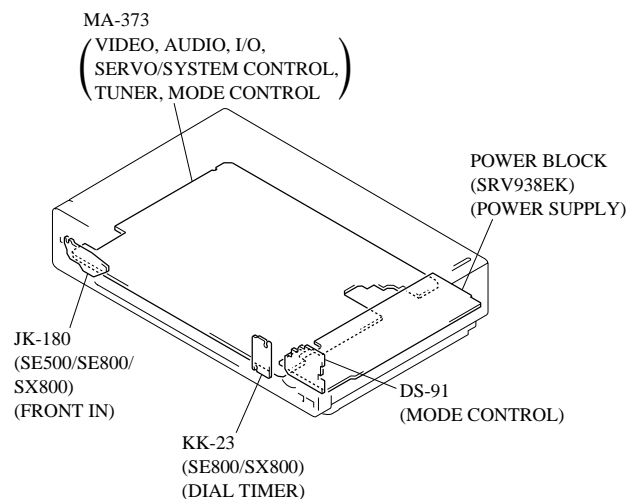


–SLV-SE800/SX800 –

KK-23 BOARD



S410
DIAL TIMER
PUSH/TURN



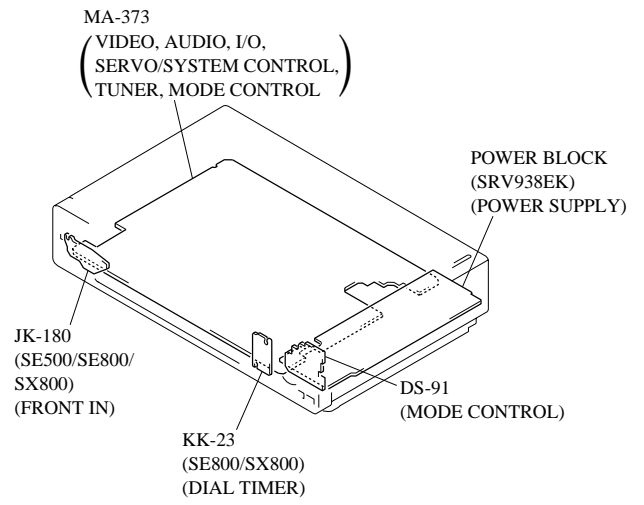
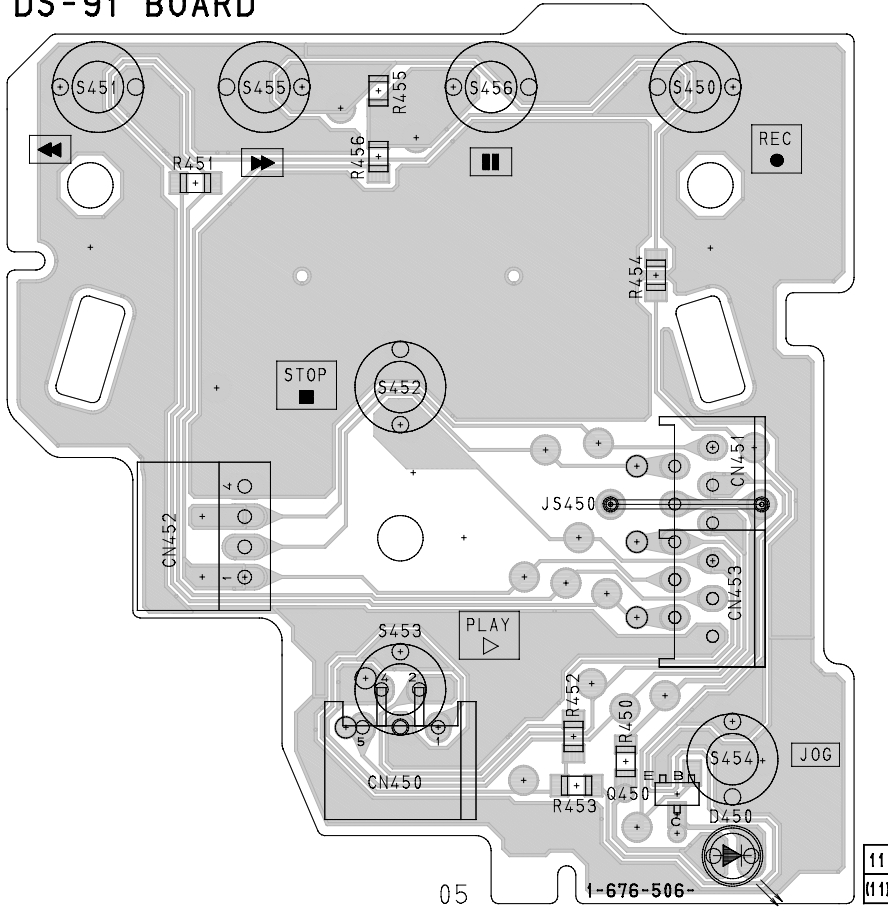
**FRONT IN, DIAL TIMER
JK-180, KK-23**

DS-91 (MODE CONTROL) PRINTED WIRING BOARD

– Ref. No.: DS-91 board; 1,000 series –

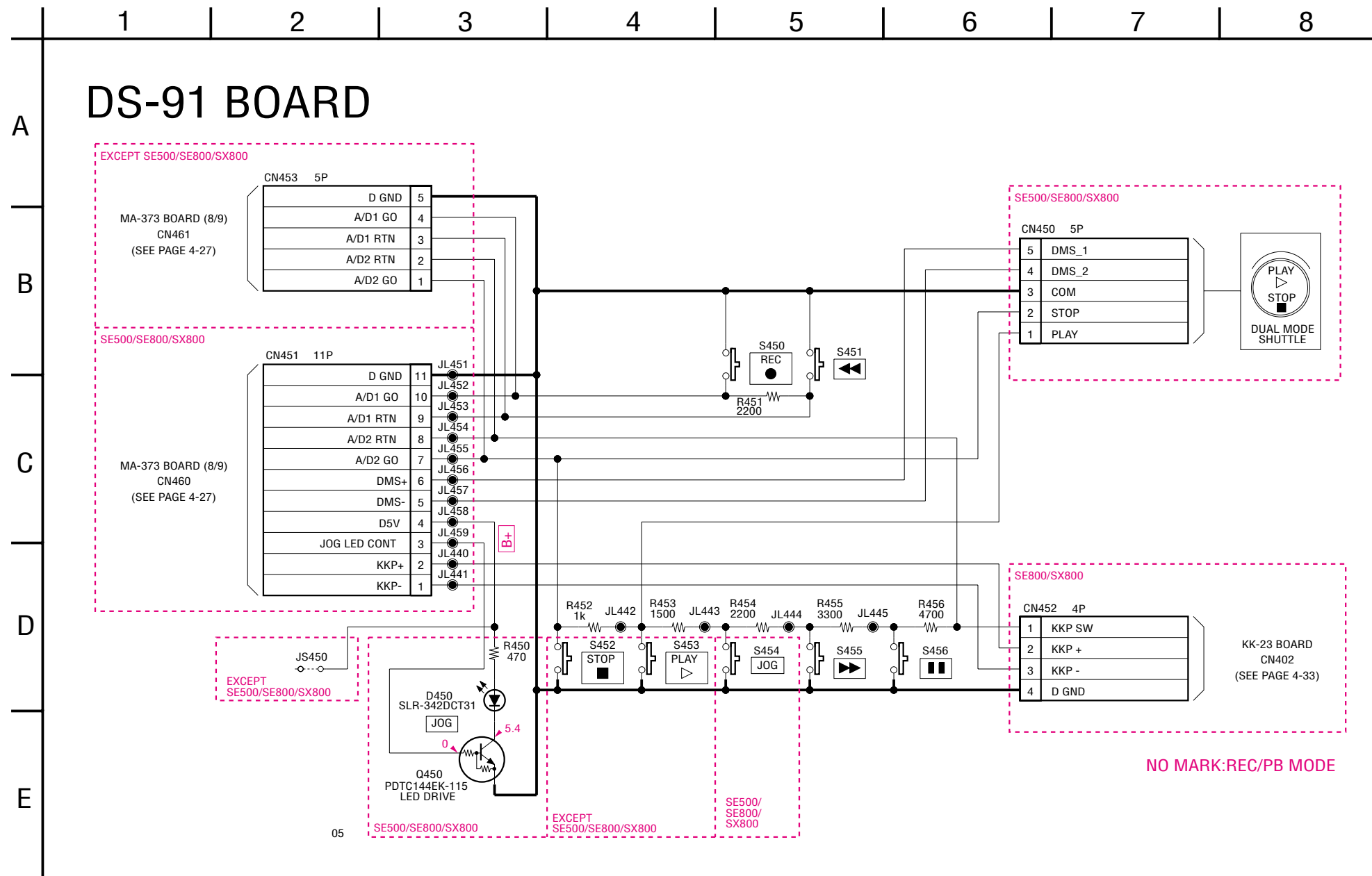
There are few cases that the part isn't mounted in this model is printed on this diagram.

DS-91 BOARD



DS-91 (MODE CONTROL) SCHEMATIC DIAGRAM

- Ref. No.: DS-91 board; 1,000 series -



SRV938EK (POWER SUPPLY) PRINTED WIRING BOARD

- Ref. No.: SRV938EK board; 2,000 series -

SRV938EK BOARD

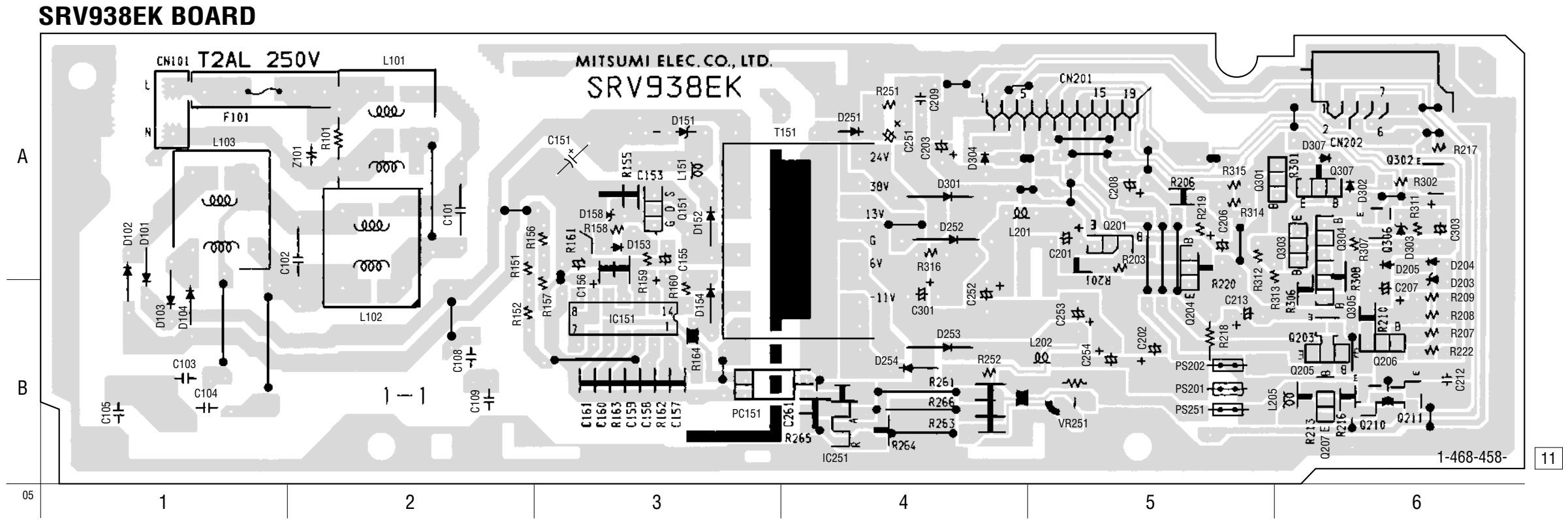
- CN101 A-1
- CN201 A-5
- CN202 A-6

- D101 B-1
- D102 B-1
- D103 B-1
- D104 B-1
- D151 A-3
- D152 A-3
- D153 A-3
- D154 B-3
- D158 A-3
- D203 B-6
- D204 A-6
- D205 A-6
- D251 A-4
- D252 A-4
- D253 B-4
- D254 B-4
- D301 A-4
- D302 A-6
- D303 A-6
- D304 A-4
- D307 A-6

- IC151 B-3
- IC251 B-4

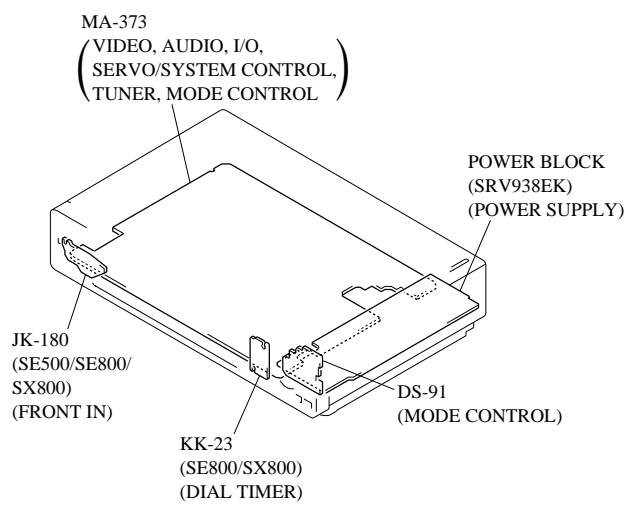
- Q151 A-3
- Q201 A-5
- Q203 B-6
- Q204 B-5
- Q205 B-6
- Q206 B-6
- Q207 B-6
- Q210 B-6
- Q211 B-6
- Q301 A-5
- Q302 A-6
- Q303 A-6
- Q304 A-6
- Q305 B-6
- Q306 A-6
- Q307 A-6

There are few cases that the part isn't mounted in this model is printed on this diagram.



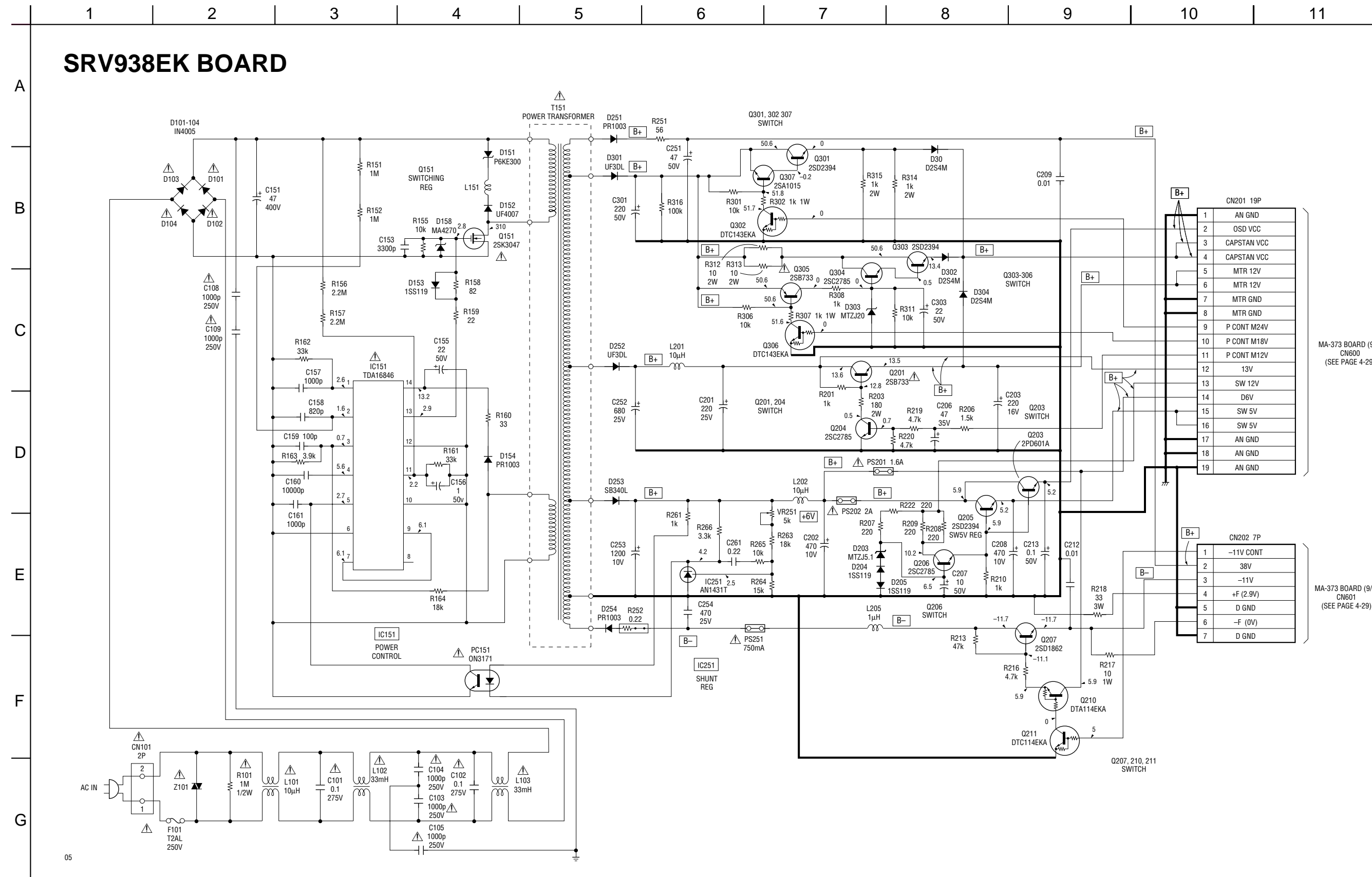
1-468-458-

11



SRV938EK (POWER SUPPLY) SCHEMATIC DIAGRAM

- Ref. No.: SRV938EK board; 2,000 series -



05

Note: The components identified by mark Δ or dotted line with mark \triangle are critical for safety. Replace only with part number specified.

5-1. SYSTEM CONTROL – VIDEO BLOCK INTERFACE (MA-373 BOARD IC162)

Signal	Pin No.	I/O	STOP/ FF/ REW	TAPE LOADING	TAPE UNLOADING	PB	REC	REC • PAUSE
RF SWP	MA-373 IC162 ⁽¹⁸⁾	O	*1	*1	*1	*1	*1	*1
QVD	MA-373 IC162 ⁽¹⁹⁾	O	L	L	L	*2	L	L
C V IN	MA-373 IC162 ⁽⁵⁶⁾	I	*3	*3	*3	*3	*3	*3

- *1. 25 Hz pulse with 50% duty cycle. Synchronized with rotation of drum.
- *2. Normally "L". "H" when video signal is not generated.
- *3. Composite sync signal (positive polarity).

5-2. SYSTEM CONTROL – SERVO PERIPHERAL CIRCUIT INTERFACE (MA-373 BOARD IC162)

Signal	Pin No.	I/O	STOP	FF	REW	TAPE LOADING	TAPE UNLOADING	PB	REC
CTL IN+	MA-373 IC162 ⁽⁶⁵⁾	I/O	*7	*7	*7	*7	*7	*7	*1
DRUM PG	MA-373 IC162 ⁽⁹⁰⁾	I	*3	*3	*3	*3	*3	*3	*3
DRUM FG	MA-373 IC162 ⁽⁸⁹⁾	I	*4	*4	*4	*4	*4	*4	*4
CAP FG	MA-373 IC162 ⁽⁸⁷⁾	I	H/L	*2	*2	*5	*5	*2	*2
CAP RVS	MA-373 IC162 ⁽²⁴⁾	O	H/L	L	H	L	H	L	L
CAP ERR	MA-373 IC162 ⁽⁷⁶⁾	O	L	*6	*6	*6	*6	*6	*6
DRUM ERR	MA-373 IC162 ⁽⁷⁷⁾	O	*6	*6	*6	*6	*6	*6	*6

- *1. 25 Hz pulse.
- *2. Pulse of period in proportion to tape speed.
- *3. 25 Hz "H" pulse.
- *4. 330 Hz pulse.
- *5. Unstable period pulse.
- *6. DC voltage 1 to 5V
- *7. Hi-Z (2.5V)

5-3. SYSTEM CONTROL – MECHANISM BLOCK INTERFACE (MA-373 BOARD IC162)

Signal	Pin No.	I/O	EJECTED	CASSETTE LOADING	CASSETTE UNLOADING	TAPE THREAD- ING	TAPE UNTHREAD- ING	STOP	FF	REW	PB	REC
CAM	MA-373 IC162 ⁽³³⁾	O	M	H/M	L/M	H/M	L/M	M	M	M	M	M
MODE 1	MA-373 IC162 ⁽²⁹⁾	I	H	–	–	L	L	H	H	H	H	H
MODE 2	MA-373 IC162 ⁽²⁸⁾	I	H	–	–	L	L	H	H	H	L	L
MODE 3	MA-373 IC162 ⁽²⁷⁾	I	L	–	–	H	H	H	L	L	L	L
MODE 4	MA-373 IC162 ⁽²⁶⁾	I	L	–	–	H	H	L	H	H	L	L
REC PRF	MA-373 IC162 ⁽³⁰⁾	I	L	*1	*1	*1	*1	*1	*1	*1	*1	*1
T REEL	MA-373 IC162 ⁽³⁰⁾	I	H/L	H/L	H/L	H/L	H/L	H/L	*2	*2	*2	*2
S REEL	MA-373 IC162 ⁽¹⁹⁾	I	H/L	H/L	H/L	*2	*2	H/L	*2	*2	*2	*2
END LED	MA-373 IC162 ⁽²⁰⁾	O	L	L	L	*3	*3	*3	*3	*3	*3	*3
T SENS	MA-373 IC162 ⁽⁷⁾	I	*3	*3	*3	*4	*4	*4	*4	*4	*4	*4
S SENS	MA-373 IC162 ⁽⁶⁾	I	*3	*3	*3	*4	*4	*4	*4	*4	*4	*4

*1. "L" when erasing protection tab is bent. "H" when not bent.

*2. Pulse of period in proportion to reel rotating speed.

*3. Approx. 2 msec period "H" pulse.

*4. Normally "L". 2 msec period "H" pulse when tape top or tape end is detected.

5-4. SYSTEM CONTROL – SYSTEM CONTROL PERIPHERAL CIRCUIT INTERFACE (MA-373 BOARD IC162)

Signal	Pin No.	I/O	I/O Level
RESET	MA-373 IC162③	I	Normally "H", "L" when service interruption is detected or restored.
NICAM DATA	MA-373 IC162④	O	Serial communication data to Tuner.
NICAM CLK	MA-373 IC162④	O	Serial communication clock to with Tuner.

5-5. SYSTEM CONTROL – AUDIO BLOCK INTERFACE (MA-373 BOARD IC162)

Signal	Pin No.	I/O	STOP/ FF/ REW	TAPE LOADING	TAPE UNLOADING	PB	REC	PB • PAUSE
A MUTE	MA-373 IC162③	O	L	L	L	L	L	H

5-6. SERVO/SYSTEM CONTROL MICROPROCESSOR PIN FUNCTION (MA-373 BOARD IC162)

Pin No.	Pin Name	I/O	Function
1	DEST1	I	Destination identification input 1
2	DEST2	I	Destination identification input 2
3	TU AFT	I	AFT input from TUNER for station selection
4	FU KEY2	I	Function key input (9 keys)
5	FU KEY1	I	Function key input (9 keys)
6	S SENS	I	Tape end sensor input
7	T SENS	I	Tape top sensor input
8	RF ENV	I	Video RF envelope input
9	AF ENV	I	HiFi envelope input
10	MOD CONT	O	RF modulator ON/OFF control
11	KKP +	I	KKP 2-phase pulse B input
12	KKP -	I	KKP 2-phase pulse A input
13	QVD	O	Pseudo VO output
14	REMOCON	I	Remote control SIRCS signal input
15	CROT	O	Head azimuth information
16	HA SW	O	SP/EP head switching signal
17	ENV S	I	Identification signal of SP/EP head output comparison & detection
18	RF SWP	O	Video RF switching pulse output
19	AF SWP	O	HiFi switching pulse output
20	END LED	O	End sensor LED output
21	AV CONT	O	EURO 21 pin AV CONT signal output
22	AF REC P	O	HiFi record control signal
23	FULL ERS	O	Full erase control signal for A DUB
24	CAP RVS	O	Inverted capstan signal
25	I CONT	O	EURO 21 pin-I CONT signal output
26	MODE 4	I	Cam encode data 4
27	MODE 3	I	Cam encode data 3
28	MODE 2	I	Cam encode data 2
29	MODE 1	I	Cam encode data 1
30	REC PRF	I	Safety tab detection input
31	IIC CLK1 (EEP)	O	IIC clock (EEPROM control)
32	IIC DATA1 (EEP)	I/O	IIC data (EEPROM control)
33	CAM	O	Cam motor control signal
34	RESET	I	Reset input
35	32kHz (in)	I	Sub clock input
36	32kHz (out)	O	Sub clock output
37	VCC	-	Power supply input terminal (high speed mode: 4.0 to 5.5V, low speed mode: 2.6 to 5.5V)
38	17.734475MHz (in)	I	Main clock input
39	17.734475MHz (out)	O	Main clock output
40	VSS	-	Ground terminal
41	NICAM CLK	O	Clock for NICAM-ZWEI control
42	NICAM DATA	O	Data for NICAM-ZWEI control
43	CLK SEL	I	Selection of oscillation clock when reset is canceled "L": sub clock, "H": main & sub clocks
44	OSC CHARA (IN)	I/O	Clock input for OSD character size
45	OSC CHARA (OUT)	I/O	Clock output for OSD character size
46	NUB	-	Connected to Ground
47	OSD LPF	I/O	External filter that doubles the FSC, is connected to this terminal
48	LP	O	"L" at SP, "H" at EP/LP

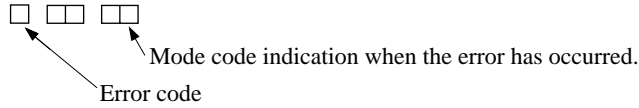
Pin No.	Pin Name	I/O	Function
49	OSD GND	-	Ground terminal of OSD/slicer
50	OSD V IN	I	Video signal input for OSD overlay
51	OSD W LEVEL	I	OSD white level input
52	OSD V OUT	O	OSD video signal output
53	OSD VCC	-	Power supply input terminal for OSD/slicer (4.75 V to 5.25 V)
54	HLF (SLICER LPF)	I/O	LPF connection terminal for slicer/AFC (This terminal is used as the HLF terminal when C. Video is input to pin-56.)
55	OSD SECAM C IN	I	Color signal input for SECAM OSD
56	C V IN (C SYNC IN)	I	Video signal input for tuner's station selection, OSD and servo sync signal detection (after passing filter)
57	NUA	-	Connected to Ground
58	DEC/VTR	O	Decoder/VTR switching
59	PDC DAV	I	PDC/VPS signal reception identification input
60	AV CONT IN/C+DET	I	CANAL + connection identification input
61	DIV CLK OUT/JOGLD CONT	O	Terminal of using JOG LED output or adjustment made output of clock dividing frequency
62	TA MUTE	O	Tuner audio mute signal output
63	A MUTE	O	Audio mute signal output
64	MTR12V CONT	O	Motor 12 V power control signal
65	SW5V CONT	O	SW 5 V power control signal
66	FLD CS	O	Chip selection signal for display tube driver
67	SECAM ON	O	SECAM ON signal/surround audio control (switched by destination)
68	TO FLD DATA	O	Serial data out CH0 (FLD)
69	18V CONT	O	18 V power control signal
70	FLD CLOCK	O	Serial clock CH0 (FLD)
71	SCL (VI/HF/TU/NICAM. ZWEI/MOD/VPS/DNR)	I/O	IIC clock (video/HiFi/tuner/ARC/modulator/VPS control)
72	SDA (VI/HF/TU/NICAM. ZWEI/MOD/VPS/DNR)	I/O	IIC data (video/HiFi/tuner/ARC/modulator/VPS control)
73	TO AV LINK	O	AV-LINK data output for communication
74	-14V CONT	O	Power save control
75	C+5V CONT	O	Power save control
76	CAP ERR	O	Capstan error output
77	DRUM ERR	O	Drum error output
78	P FAIL	I	Power failure detection input
79	S REEL	I	Supply reel sensor input
80	T REEL	I	Take up reel sensor input
81	DMS +	I	DMS 2-phase pulse 1 input
82	DMS -	I	DMS 2-phase pulse 2 input
83	TU SW1	O	Tuner system BGL/L selection signal
84	TU SW2	O	Tuner system BGL/L selection signal
85	FROM AV LINK	I	AV-LINK data input for communication
86	SECAM DET	I	SECAM identification input
87	CAP FG	I	Capstan FG input
88	AMP VSS	-	Ground terminal for analog amplifier (connected to Vss)
89	DRUM FG	I	Drum FG input
90	DRUM PG	I	Drum PG input
91	AMP VREF OUT	-	Analog amplifier reference power supply output terminal
92	AMP VREF IN	-	Analog amplifier reference power supply output terminal
93	RC CHECK	I	"No use (Fix to ""L"" on the outside for the terminal only for the input)"

Pin No.	Pin Name	I/O	Function
94	CTL IN-	I/O	CTL signal input/output terminal
95	CTL IN+	I/O	CTL signal input/output terminal
96	AMPC	-	CTL amplifier AC Ground terminal
97	CTL AMP OUT	O	CTL amplifier output
98	AMP VCC	-	Power supply input terminal for analog amplifier (connected to Vcc)
99	AVCC	-	Power supply input and reference voltage input to A-D converter
100	24V CONT	O	24 V power control signal

SECTION 6 ERROR CODES

6-1. ERROR CODE INDICATION

- Error codes are indicated using the lower 5 digits in the fluorescent display tube.
“At this time, Colon “:”between character is not indicated.”



ERROR CODE

0	No error
1	Cam encoder error Loading direction
2	Cam encoder error Unloading direction
3	T reel error
4	S reel error
5	Capstan error
6	Drum error
7	Error on initializing
8	Cassette loading error
9	Reserve

MODE CODE

0	Power-on eject	10	FWD x1	20	REW play
1	Power-on initial	11	FWD x2	21	Cas. loading
2	Power-off elect	12	CUE	22	Tape loading
3	Power-off stop	13	PB-pause	23	Power-off loading
4	FF	14	RVS-pause	24	Mecha. error (Power on)
5	REW	15	RVS x1	25	Power-on eject initial
6	REC	16	RVS x2	26	Power-off eject initial
7	REC-pause	17	REV	27	APC REC
8	Power-on stop	18	Power-off initial	28	Cas. loading
9	PB	19	Mecha. error (Power off)		(No auto PB check)

SECTION 7 ADJUSTMENTS

During the adjustment, see the Parts Arrangement Diagram for Adjustments on Page 7-6.

7-1. MECHANICAL ADJUSTMENTS

Refer to the SERVICE MANUAL of VHS MECHANICAL ADJUSTMENT VI.

7-2. ELECTRICAL ADJUSTMENTS

2-1. PRE-ADJUSTMENT PREPARATIONS

Necessary items and indications for total adjustment of electric circuit of this machine will be described in this chapter.

2-1-1. Instruments to be Used

- 1) Color TV
- 2) Oscilloscope 1 or 2 phenomena, band more than 30 MHz, delay mode, as provided.
- 3) NTSC pattern generator
- 4) PAL pattern generator
- 5) Digital voltmeter
- 6) Audio level meter
- 7) Audio noise meter
- 8) Audio generator
- 9) Attenuator
- 10) Alignment tape
 - Part Code: 8-192-605-36 KRV-51P (PAL)
 - Part Code: 8-192-605-32 KRV-51N2 (NTSC)

2-1-2. Connection

Unless otherwise specified, connect and adjust the measuring instruments as shown in the following diagram.

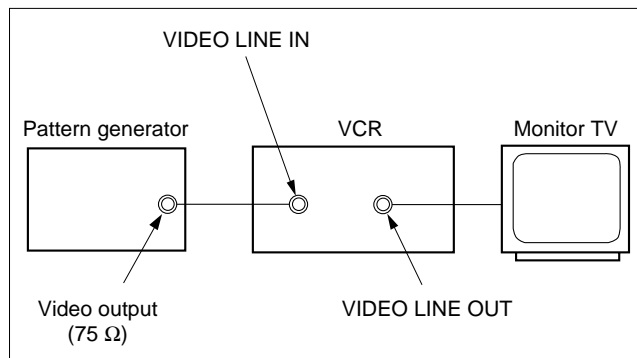


Fig. 7-2-1

2-1-3. Set-up of Adjustment

In this adjustment, PAL or NTSC pattern generator is connected with LINE input signal terminal. When checking with tuner, connected AERIAL terminal. Check that the amplitudes of video signal SYNC signal, of picture portions, and of burst signals are flat at approximately 0.3, 0.7 and 0.3 V, respectively, and that the level ratio of the burst signal and "red" signal are 0.30: 0.66. Fig. 7-2-2. shows video signals (color bars) used in adjusting the video section.

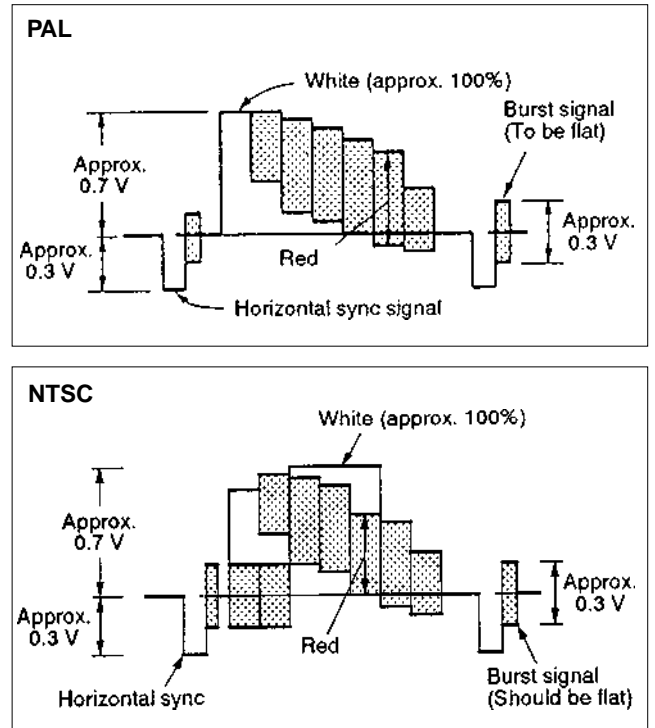


Fig. 7-2-2

2-1-4. Alignment Tapes [Alignment Tape (KRV-51N2/KRV-51P)]

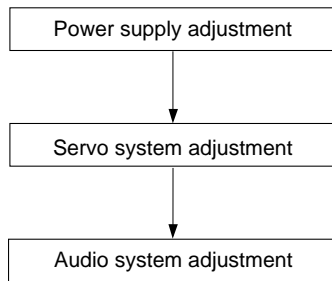
	Mode	Time	Video signal	Audio signal (HiFi/Normal)
1	SP	Seven minutes	Color bar	400 Hz
2	SP	Three minutes	Monoscope	
3	EP	Seven minutes	Color bar	
4	EP	Three minutes	Monoscope	

2-1-5. Specified I/O Level and Impedance Input/output terminal

- Video inputs LINE IN : phono jack
1 Vp-p, 75 Ω, unbalanced, sync negative
- Audio inputs LINE IN : phono jacks
47 kW, -7.5 dBs (0 dBs = 0.775 Vrms)
More than 10 kW, -4 dBs
- Video outputs LINE OUT: phono jack
1 Vp-p, 75 Ω, unbalanced, sync negative
- Audio outputs LINE OUT: phono jacks
-7.5 dBs at load impedance 47 kΩ
Output impedance : less than 10 Ω

2-1-6. Adjusting Sequence

Make the electrical adjustment in the following sequence.



2-2. POWER SUPPLY ADJUSTMENTS

2-2-1. Power Supply Check (SRV938EK BOARD)

Mode	E-E
Measuring Instrument	Digital voltmeter
MTR12 V check	
Measurement Point	Pin ⑤, ⑥ of CN201
Specified Value	13.5 ± 0.4 V
D6 V check	
Measurement Point	Pin ⑭ of CN201
Specified Value	5.9 ± 0.2 V
+13 V check	
Measurement Point	Pin ⑫ of CN201
Specified Value	13.6 ± 0.5 V
+38 V check	
Measurement Point	Pin ② of CN202
Specified Value	35.0 ± 3.5 V
SW 5 V check	
Measurement Point	Pin ⑮, ⑯ of CN201
Specified Value	5.2 ± 0.2 V
+F, -F check	
Measurement Point	Pin ④, ⑥ of CN202
Specified Value	2.9 ^{+0.6} / _{-0.3} V
-11 V check	
Measurement Point	Pin ③ of CN202
Specified Value	-11.5 ± 1.0 V

Checking Method:

- 1) Confirm that each voltage meets its specified value.

2-2-2. +6 V Adjustment (SRV938EK BOARD)

Mode	REC or PB
Measuring Instrument	Digital voltmeter
Measurement Point	Pin ⑭ of CN201
Adjusting Element	VR251
Specified Value	5.9 ± 0.2 V

2-3. SERVO SYSTEM ADJUSTMENT

2-3-1. RF Switching Position Adjustment (MA-373 BOARD)

Purpose:

Adjust the interval between A ch and B ch of tape playback output.

Improve the interchangeability with other tapes and sets.

When it is out of order, the interval appears on the screen, the screen is disturbed.

Mode	PB
Signal	Alignment tape SP mode color bar
Measurement Point	CH1: Pin ① of CN262 CH2: Pin ② of CN262 (RF SWP)
Measuring Instrument	Oscilloscope
Specified Value	6.5 ± 0.5 H (416 ± 32 μsec) PAL 6.5 ± 0.5 H (410 ± 32 μsec) NTSC

Adjusting Method:

- 1) During playback, connect MA-373 board CN262 pin ③ and the pin ⑤ for about 1 second to activate the RF switching position adjustment mode.
- 2) Check appear "A P" on FL display.
- 3) Using the channel + and - buttons, adjust to 6.5 ± 0.5 H.
- 4) Press the pause button.

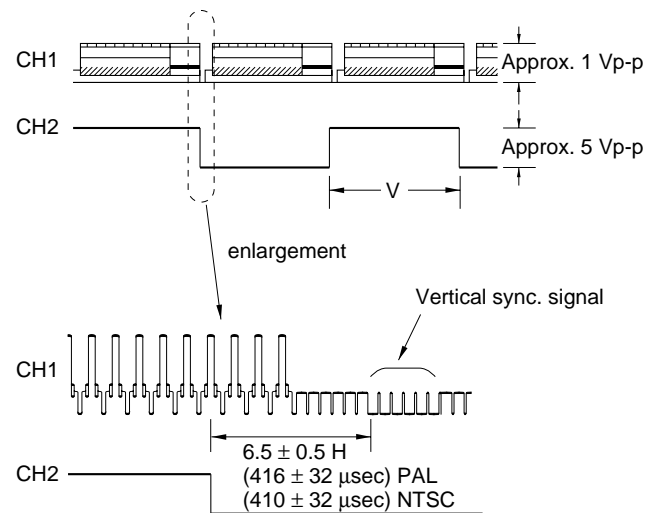


Fig. 7-2-3.

2-4. AUDIO SYSTEM ADJUSTMENTS

- Adjust both Lch and Rch.

[Connection]

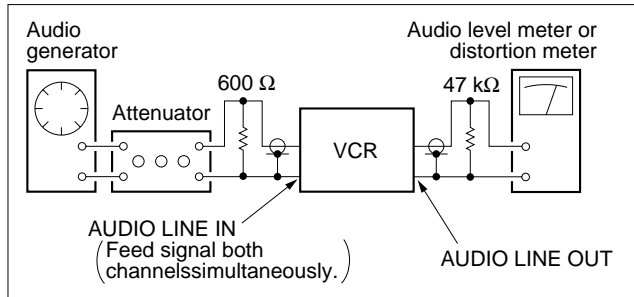


Fig. 7-2-4.

2-4-1. Hi-Fi Audio System Adjustment (EXCEPT SLV-SE350/SE500)

- Set switches and knobs to the following positions to make adjustment unless otherwise specified.

INPUT SELECT switch LINE
AUDIO MONITOR STEREO

[Adjustment Sequence]

1. AF Switching Position Adjustment
2. Frequency Response Check
3. Overall Level Characteristic and Distortion Factor Check
4. Overall S/N Check

1. AF Switching Position Adjustment (MA-373 BOARD)

Purpose:

Adjust the interval between A CH and B CH of tape playback output. Improve the interchangeability with other tapes and sets. When it is out of order, noisy sound is increased and big noise is heard.

Mode	PB
Signal	Alignment tape SP mode color bar
Measurement point	CH1: Pin ② of CN262 CH2: Pin ① of CN263
Measuring Instrument	Oscilloscope
Specified Value	Fig. 7-2-5

Adjusting Method:

- 1) During playback, connect MA-373 board CN262 pin ③ and the pin ⑤ for about 1 second to activate the RF switching position adjustment mode.
- 2) Press the record button to activate the AF switching position adjustment mode.
- 3) Check appear "A H" on FL display.
- 4) Using the channels + and - buttons, minimize a chipped portion. At this time, confirm that a noisy sound is not heard.
- 5) Press the pause button.

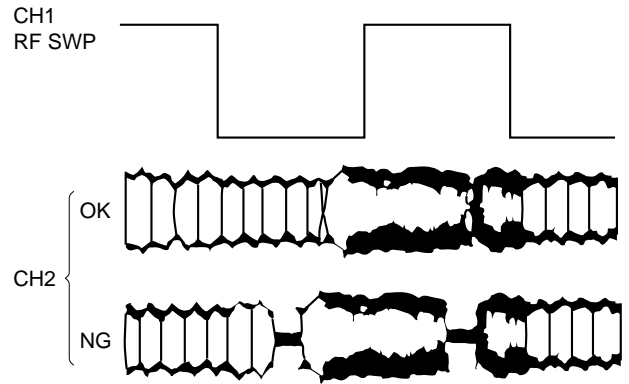


Fig. 7-2-5.

2. Frequency Response Check

Purpose:

Confirm that the frequency characteristic is within the specification.

Mode	REC and PB (SP, LP mode)
Signal	400 Hz, -26.3 dBs 30 Hz, -26.3 dBs 20 kHz, -26.3 dBs
Measurement point	Audio output terminal
Measurement equipment	Audio level meter
Specified value	0 ± 3 dB

Note: Tape path adjustment must have been completed.

Confirmation Method:

- 1) Supply a signal of 400 Hz, -26.3 dBs to both L and R channels of Audio Line Input.
- 2) Connect the audio level meter to the Audio Line Output.
- 3) Adjust the attenuator so that the audio level meter will indicate -26.3 dBs.
- 4) Make recording.
- 5) Set an audio line input signal to 30 Hz and make recording.
- 6) Set an audio line input signal to 20 kHz and make recording.
- 7) Playback a recorded portion, and measure output levels at 400 Hz and 30 Hz and 20 kHz.
- 8) Confirm that the 30 Hz and 20 kHz playback output level within a range of the 400 Hz playback output level 0 ± 3 dB.

3. Overall Level Characteristic and Distortion Factor Check

Purpose:

Check the record level, play level, and distortion factor against the reference input.

Mode	REC and PB (SP mode)
Signal	400 Hz, -6.3 dBs
Measurement point	Audio output terminal
Measurement equipment	Audio level meter and distortion factor meter
Specified value	Playback level: -6.3 ± 2.0 dBs Distortion factor: 1% or less

Confirmation Method:

- 1) Supply an audio signal of 400 Hz, -6.3 dBs simultaneously to both L and R channels of Audio Line Input.
- 2) Make recording
- 3) Play back a recorded portion.
- 4) Confirm that a playback level is -6.3 ± 2.0 dBs.
- 5) Confirm that a distortion factor is within 1%.

4. Overall S/N Check

Purpose:

Confirm that the S/N is within the specification.

Mode	REC and PB (SP mode)
Signal	Short
Measurement point	Audio output terminal
Measurement equipment	Audio noise meter
Specified value	-67.5 dBs or less

Confirmation Method:

- 1) Connect both L and R channels of audio line input to the GND.
- 2) Start recording.
- 3) Play the recorded part to confirm that the noise is below -67.5 dBs.

2-4-2. Normal Audio System Adjustment

- Make adjustment in the SP mode, unless otherwise specified. Use a normal VHS cassette for an adjustment tape.
- Set AUDIO MONITOR to normal.

[Adjustment Sequence]

1. ACE Head Adjustment
2. E-E Output Level Check
3. Frequency Response Check
4. Overall Level Characteristic and Distortion Factor Check
5. Overall S/N Check

1. ACE Head Adjustment

Refer to the SERVICE MANUAL of VHS MECHANICAL ADJUSTMENT VI.

2. E-E Output Level Check (SLV-SE350/SE500)

Purpose:

Confirm that the output level against the reference input is within the specification.

Mode	E-E
Signal	L, R: 400 Hz, -6.3 dBs
Measurement point	Audio output terminal
Measurement equipment	Audio level meter
Specified value	-6.3 ± 2.0 dBs

Confirmation Method:

- 1) Simultaneously input a signal of 400 Hz, -6.3 dBs to both L and R channels of Audio Line Input.
- 2) Confirm that the audio output level is -6.3 ± 2.0 dBs. (This level only can appear with mono models)

3. Frequency Response Check

Purpose:

Confirm that the frequency characteristic is within the specification.

Mode	REC and PB (SP mode)
Signal	400 Hz, -26.3 dBs 7 kHz, -26.3 dBs
Measurement point	Audio output terminal
Measurement equipment	Audio level meter
Specified value	0 ± 3 dB

Tape path adjustment must have been completed.

Confirmation Method:

- 1) Supply a signal of 400 Hz, -26.3 dBs to both L and R channels of Audio Line Input.
- 2) Connect the audio level meter to the Audio Line Output.
- 3) Adjust the attenuator so that the audio level meter will indicate -26.3 dBs.
- 4) Make recording in the SP mode.
- 5) Set an audio line input signal to 7 kHz and make recording.
- 6) Playback a recorded portion, and measure output levels at 400 Hz and 7 kHz.
- 7) Confirm that the 7 kHz playback output level within a range of the 400 Hz playback output level 0 ± 3 dB.

4. Overall Level Characteristic and Distortion Factor Check

Purpose:

Check the record level, play level, and distortion factor against the reference input.

Mode	REC and PB (SP mode)
Signal	400 Hz, -6.3 dBs
Measurement point	Audio output terminal
Measurement equipment	Audio level meter and distortion factor meter
Specified value	Playback level: -6.3 ± 3.0 dBs Distortion factor: 4% or less

Confirmation Method:

- 1) Supply an audio signal of 400 Hz, -6.3 dBs simultaneously to both L and R channels of Audio Line Input.
- 2) Make recording
- 3) Play back a recorded portion.
- 4) Confirm that a playback level is -6.3 ± 3.0 dBs.
- 5) Confirm that a distortion factor is within 4%.

5. Overall S/N Check

Purpose:

Confirm that the S/N is within the specification.

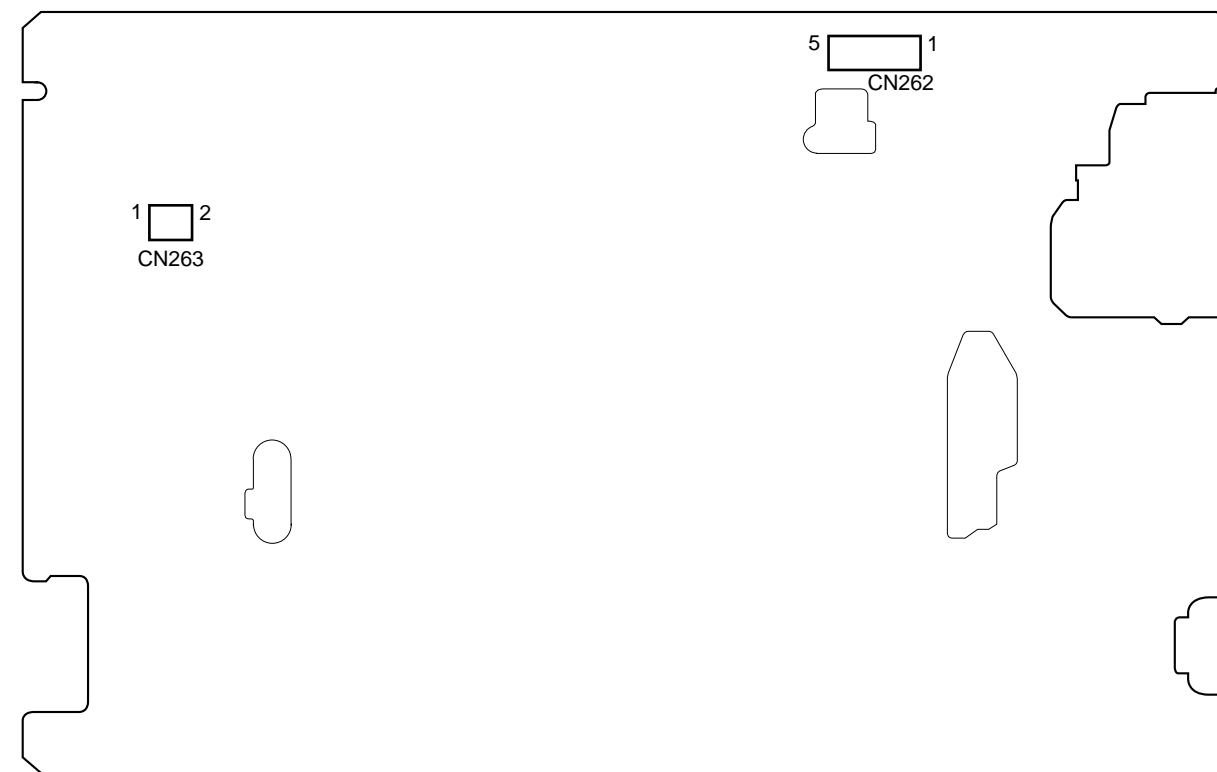
Mode	REC and PB (SP mode)
Signal	Short
Measurement point	Audio output terminal
Measurement equipment	Audio noise meter
Specified value	-45.5 dBs or less

Confirmation Method:

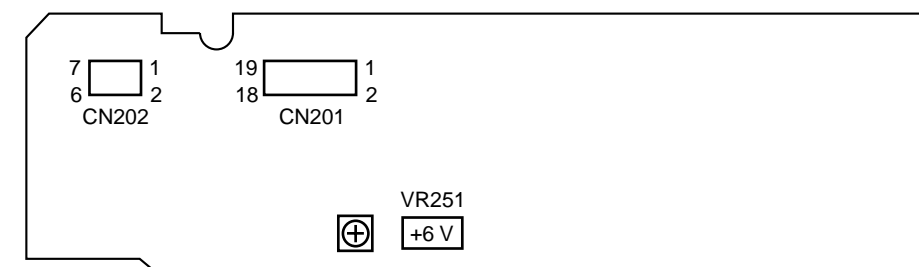
- 1) Connect both L and R channels of audio line input to the GND.
- 2) Start recording.
- 3) Play the recorded part to confirm that the noise is below -45.5 dBs.

2-5. PARTS ARRANGEMENT DIAGRAM FOR ADJUSTMENTS

MA-373 BOARD (Side A)



SRV938EK BOARD (Side A)



SECTION 8 REPAIR PARTS LIST

8-1. EXPLODED VIEWS

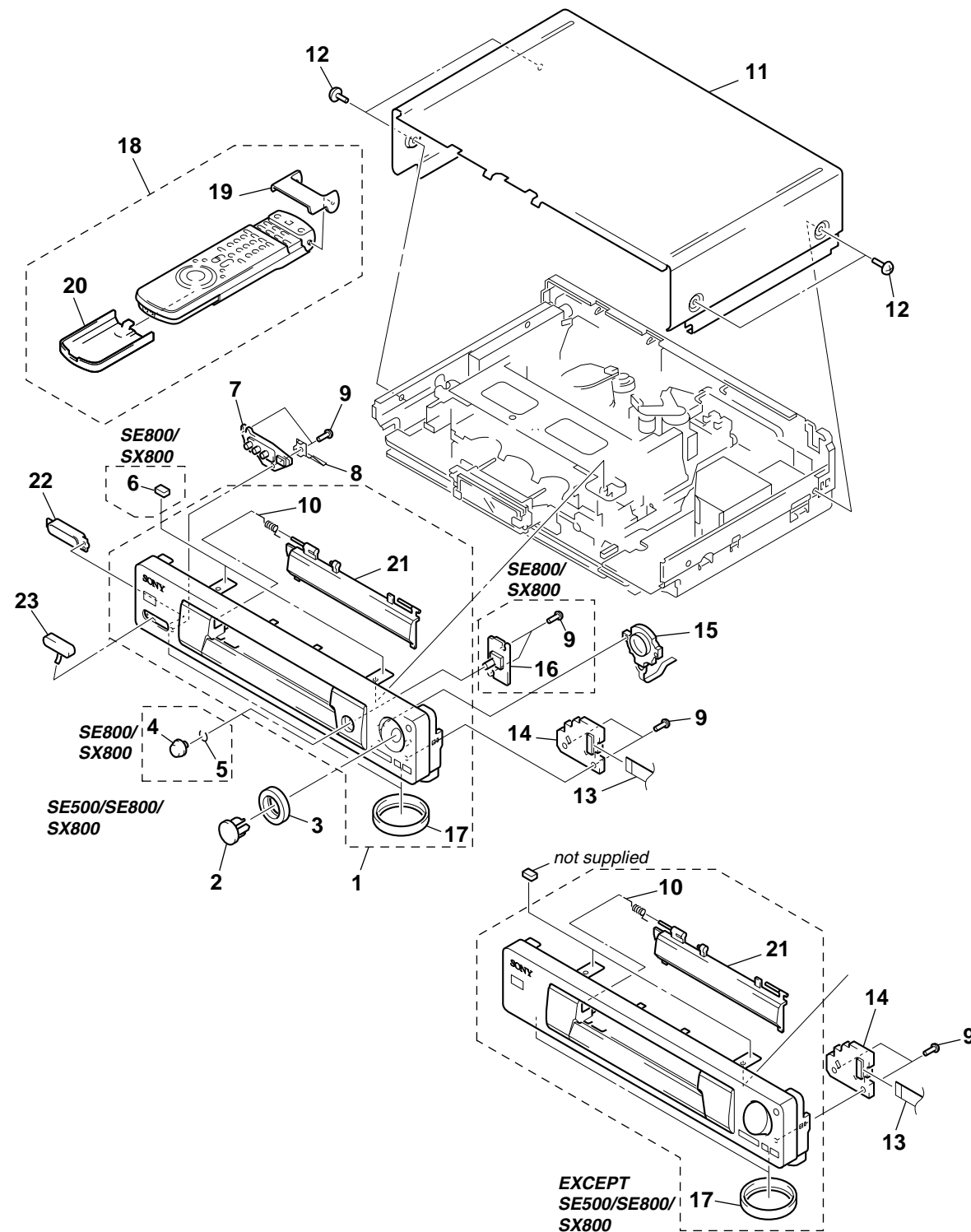
NOTE:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of the electrical parts list.

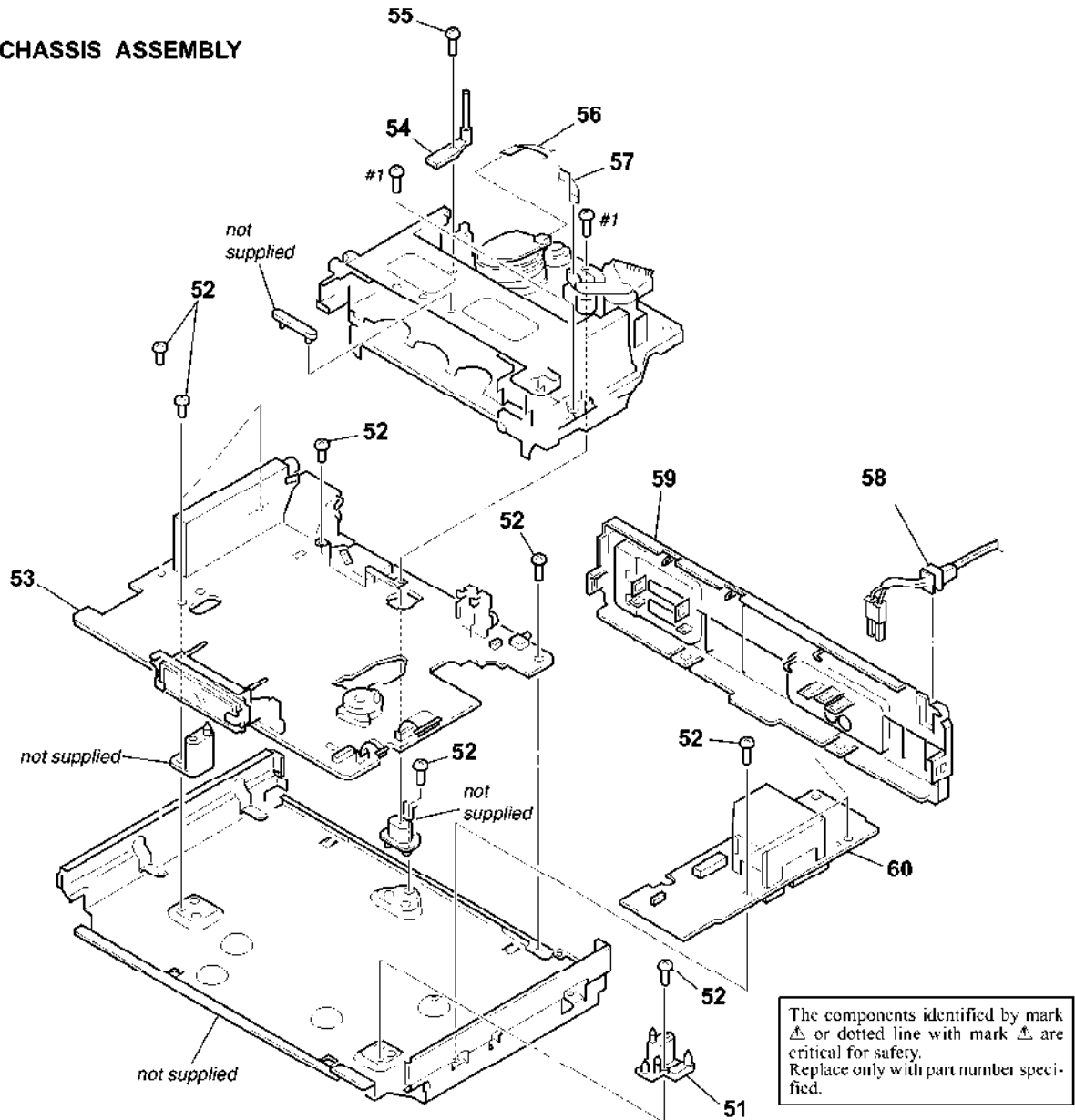
The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

8-1-1. FRONT PANEL AND CABINET ASSEMBLIES



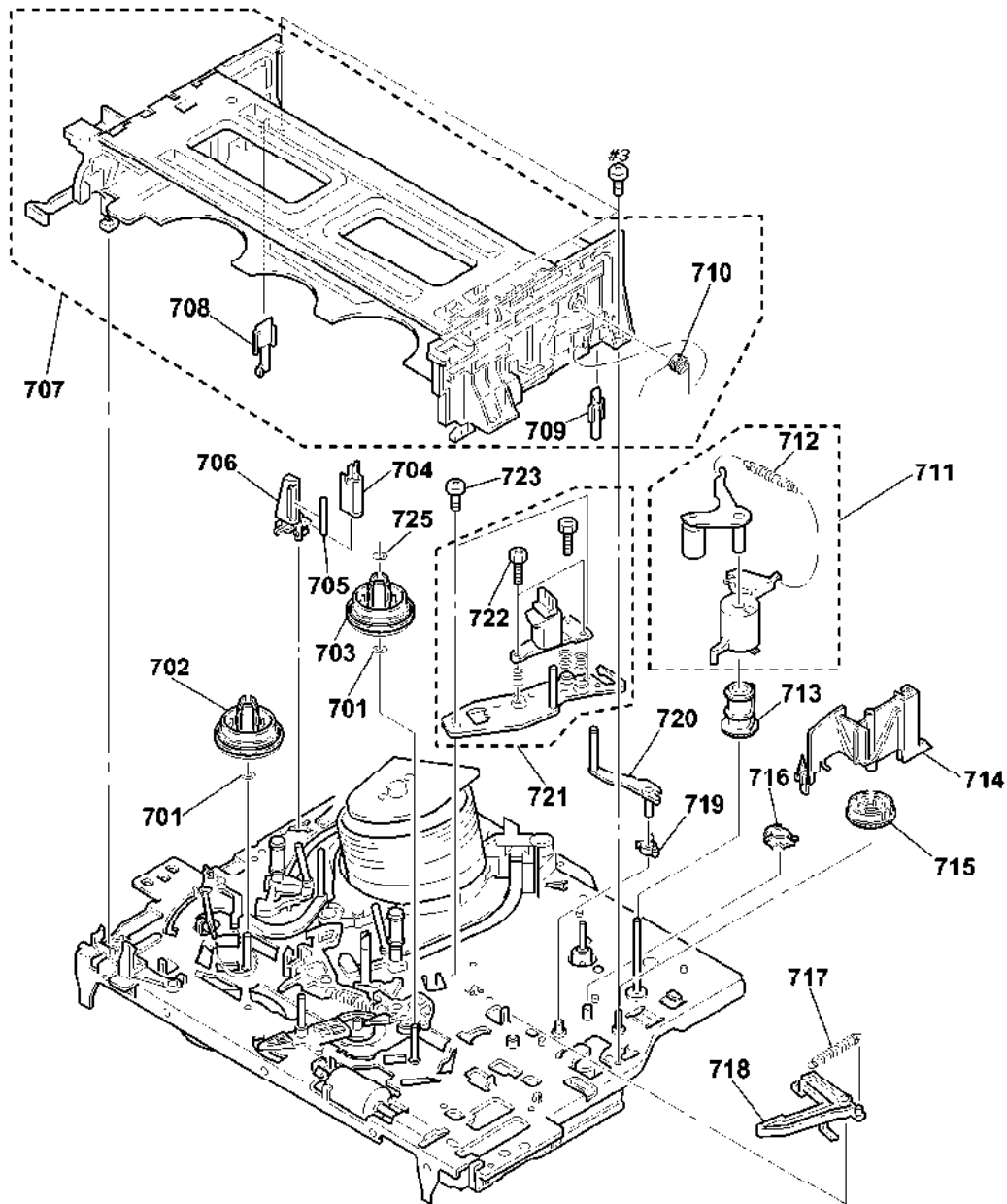
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	X-3950-127-1	PANEL ASSY, FRONT (SE350)		11	3-058-350-21	CASE, UPPER (SE800: B, D1, D2, E, G)	
1	X-3950-128-1	PANEL ASSY, FRONT (SE500R)		11	3-058-350-31	CASE, UPPER (SX800)	
1	X-3950-129-1	PANEL ASSY, FRONT (SE500K)		12	3-363-099-01	SCREW (CASE 3 TP2) (EXCEPT SE700: G, I/ SE800: B, D1, D2, E, G/SX600/SX700) (BLACK)	
1	X-3950-130-1	PANEL ASSY, FRONT (SE600: A, E)		12	3-363-099-11	SCREW (CASE 3 TP2) (SE700: G, I/ SE800: B, D1, D2, E, G/SX600/SX700) (GRAY)	
1	X-3950-132-1	PANEL ASSY, FRONT (SX600)		13	1-792-020-11	CABLE, FLAT (FDS-7) (SE500/SE800/SX800)	
1	X-3950-133-1	PANEL ASSY, FRONT (SE650)		13	1-792-021-11	CABLE, FLAT (FDS-8) (EXCEPT SE500/SE800/SX800)	
1	X-3950-134-1	PANEL ASSY, FRONT (SE700G) (BLACK)		* 14	A-6794-748-A	DS-91 BOARD, COMPLETE (SE350/SE600/SE650/SE700/SX600/SX700)	
1	X-3950-135-1	PANEL ASSY, FRONT (SE700: D1, D2, E1, E2)		* 14	A-6794-751-A	DS-91 BOARD, COMPLETE (SE800: B, D1, D2, E, G/SX800)	
1	X-3950-139-1	PANEL ASSY, FRONT (SE700: G, I) (GRAY)		* 14	A-6794-754-A	DS-91 BOARD, COMPLETE (SE800: K, N)	
1	X-3950-141-1	PANEL ASSY, FRONT (SX700: D, E)		* 14	A-6794-756-A	DS-91 BOARD, COMPLETE (SE500)	
1	X-3950-143-1	PANEL ASSY, FRONT (SE700R)		15	1-762-844-31	SWITCH, ROTARY (SE500/SE800/SX800)	
1	X-3950-144-1	PANEL ASSY, FRONT (SE700N)		* 16	A-6794-750-A	KK-23 BOARD, COMPLETE (SE800: B, D1, D2, E, G/SX800)	
1	X-3950-145-1	PANEL ASSY, FRONT (SE700K)		* 16	A-6794-753-A	KK-23 BOARD, COMPLETE (SE800: K, N)	
1	X-3950-146-1	PANEL ASSY, FRONT (SE600N)		17	3-053-395-01	INSULATOR	
1	X-3950-147-1	PANEL ASSY, FRONT (SE800N)		18	1-418-010-11	COMMANDER, STANDARD (RMT-V259) (SE500/SE700: D1, D2, E1, E2, K, N, R/ SE800: K, N/SX800)	
1	X-3950-148-1	PANEL ASSY, FRONT (SE800K)		18	1-418-010-21	COMMANDER, STANDARD (RMT-V259A) (SE700B)	
1	X-3950-165-1	PANEL ASSY, FRONT (H) (SE800: D1, D2, E)		18	1-418-780-11	COMMANDER, STANDARD (RMT-V288) (SE350/SE600: A, E, N/SE650/SX600)	
1	X-3950-168-1	PANEL ASSY, FRONT (SE800B)		18	1-418-780-21	COMMANDER, STANDARD (RMT-V288A) (SE600B)	
1	X-3950-169-1	PANEL ASSY, FRONT (SE800G)		18	1-418-782-11	COMMANDER, STANDARD (RMT-V259K) (SE700: G, I/SE800: D1, D2, E/SX700: D, E)	
1	X-3950-170-1	PANEL ASSY, FRONT (SX800)		18	1-418-782-21	COMMANDER, STANDARD (RMT-V259L) (SE800: B, G/SX700B)	
1	X-3950-201-1	PANEL ASSY, FRONT (SE700B)		19	3-709-430-01	COVER, REMOTE CONTROL (for RMT-V288/ V288A/V259/V259A) (EXCEPT SE700: G, I/ SE800: B, D1, D2, E, G/SX700)	
1	X-3950-202-1	PANEL ASSY, FRONT (SX700B)		19	3-709-430-11	COVER, REMOTE CONTROL (for RMT-V259L/V259K) (SE700: G, I/SE800: B, D1, D2, E, G/SX700)	
1	X-3950-203-1	PANEL ASSY, FRONT (SE600B)		20	3-709-431-01	COVER, REMOTE CONTROL BATTERY (for RMT-V288/288A/V259/V259A) (EXCEPT SE700: G, I/SE800: B, D1, D2, E, G/SX700)	
2	3-057-802-01	BUTTON (H), CENTER (SE800: D1, D2, E, G)		20	3-709-431-11	COVER, REMOTE CONTROL BATTERY (for RMT-V259L/V259K) (SE700: G, I/SE800: B, D1, D2, E, G/SX700)	
2	3-057-802-11	BUTTON (H), CENTER (SE500/SE800: K, N)		22	3-057-795-11	HOLDER, JK (SE800: K, N/SX800)	
2	3-057-802-21	BUTTON (H), CENTER (SE800B)		22	3-057-795-21	HOLDER, JK (SE500)	
2	3-057-802-31	BUTTON (H), CENTER (SX800)		23	3-057-796-11	CAP, JK (SE500/SE800: K, N/SX800)	
3	3-057-801-01	RING (H), CHANGE SPEED (SE800: B, D1, D2, E, G)					
3	3-057-801-11	RING (H), CHANGE SPEED (SE500/SE800: K, N)					
3	3-057-801-21	RING (H), CHANGE SPEED (SX800)					
4	3-057-803-01	DIAL, KK (SE800: B, D1, D2, E, G)					
4	3-057-803-11	DIAL, KK (SE800: K, N/SX800)					
5	3-055-077-01	SPRING, ETR (P5) (SE800/SX800)					
6	3-978-737-11	CUSHION (FP), RUBBER (SE800: B, D1, D2, E, G/SX800)					
* 7	A-6794-749-A	JK-180 BOARD, COMPLETE (SE800: B, D1, D2, E, G/SX800)					
* 7	A-6794-752-A	JK-180 BOARD, COMPLETE (SE800: K, N)					
* 7	A-6794-755-A	JK-180 BOARD, COMPLETE (SE500)					
8	3-057-807-01	PLATE, JK EARTH (SE500/SE800/SX800)					
9	4-921-277-41	SCREW (B2.6X8), TAPPING, BIND					
10	3-953-432-01	SPRING (GE), FL					
11	3-057-808-21	CASE, UPPER (SE700: G, I/SX600/SX700) (GRAY)					
11	3-057-808-31	CASE, UPPER (SE350/SE500/SE600/SE650/ SE700: B, D1, D2, E1, E2, G, K, N, R/ SE800: K, N) (BLACK)					

8-1-2. CHASSIS ASSEMBLY



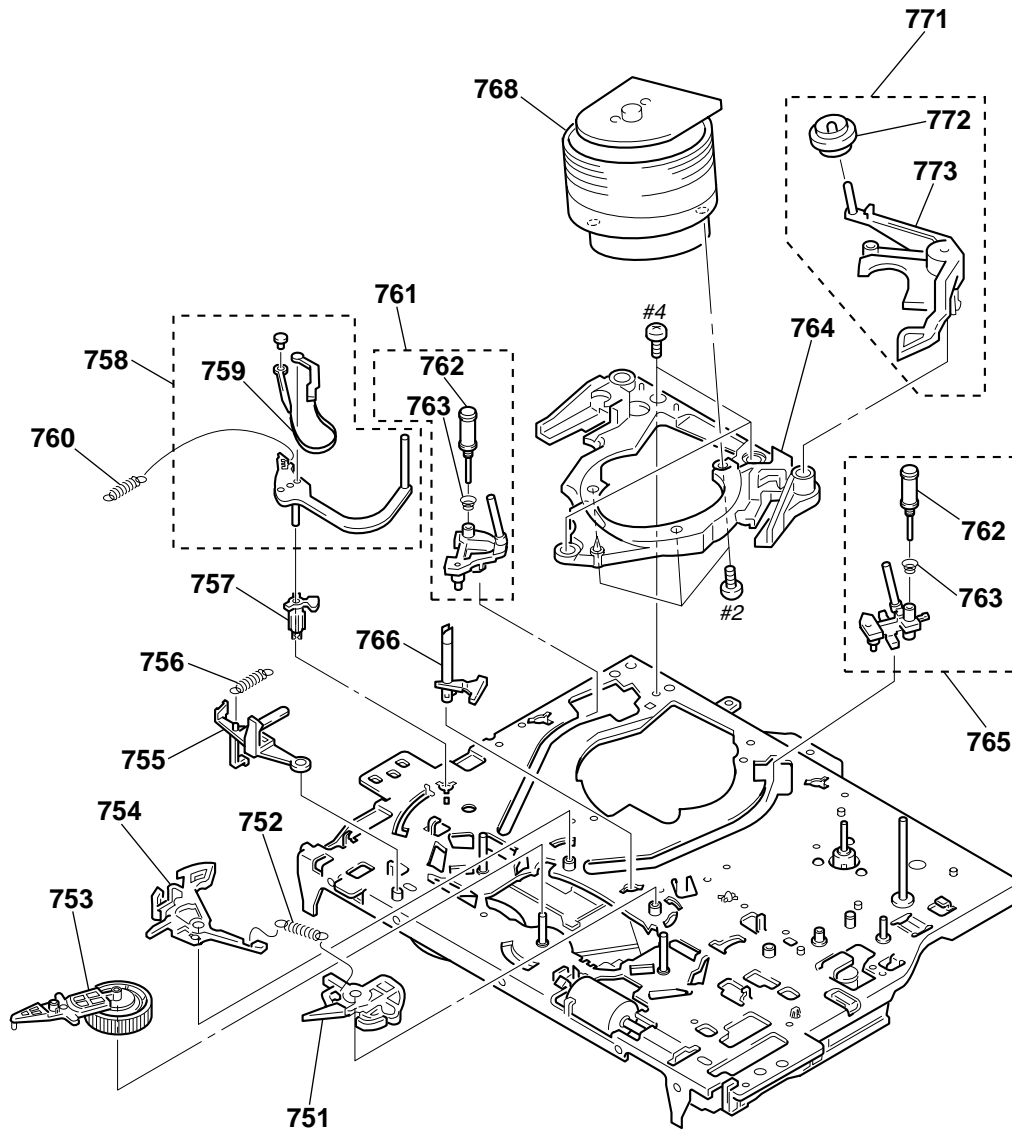
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	3-057-805-01	BASE, MD (R), KS		* 53	A-6713-596-A	MA-373 BOARD, COMPLETE (SE800E)	
52	3-970-608-21	SUMITITE (B3), +BV		* 53	A-6713-597-A	MA-373 BOARD, COMPLETE (SE700N)	
* 53	A-6713-579-A	MA-373 BOARD, COMPLETE (SE700B/SX700B)		* 53	A-6713-598-A	MA-373 BOARD, COMPLETE (SE700K)	
* 53	A-6713-580-A	MA-373 BOARD, COMPLETE (SE800R)		* 53	A-6713-599-A	MA-373 BOARD, COMPLETE (SE800N)	
* 53	A-6713-581-A	MA-373 BOARD, COMPLETE (SE800K)		54	X-3949-549-1	TGO ASSY (MSR)	
* 53	A-6713-582-A	MA-373 BOARD, COMPLETE (SE800G)		55	3-979-112-01	SCREW SW (+) BVTP 3X10	
* 53	A-6713-583-A	MA-373 BOARD, COMPLETE (SE700G)		56	1-792-022-11	CABLE, FLAT (FFM-001)	
* 53	A-6713-584-A	MA-373 BOARD, COMPLETE (SE600B)		57	1-792-018-11	CABLE, FLAT (FAC-8)	
* 53	A-6713-585-A	MA-373 BOARD, COMPLETE (SE500R)		Δ 58	1-782-012-11	CORD, POWER	
* 53	A-6713-586-A	MA-373 BOARD, COMPLETE (SE700R)		59	3-057-809-01	PANEL, REAR (SE650/SE700: B, D1, D2, E1, E2, K, N/ SX700)	
* 53	A-6713-587-A	MA-373 BOARD, COMPLETE (SE350)		59	3-057-809-11	PANEL, REAR (SE500R)	
* 53	A-6713-588-A	MA-373 BOARD, COMPLETE (SE500K)		59	3-057-809-21	PANEL, REAR (SE500K)	
* 53	A-6713-589-A	MA-373 BOARD, COMPLETE (SE600A)		59	3-057-809-31	PANEL, REAR (SE800G)	
* 53	A-6713-590-A	MA-373 BOARD, COMPLETE (SE600E/SX600)		59	3-057-809-41	PANEL, REAR (SE800K)	
* 53	A-6713-591-A	MA-373 BOARD, COMPLETE (SE650/SE700: D1, D2/SX700D)		59	3-057-809-51	PANEL, REAR (SE700: G, I)	
* 53	A-6713-592-A	MA-373 BOARD, COMPLETE (SE700: E1, E2/SX700E)		59	3-057-809-61	PANEL, REAR (SE350/SE600: A, N)	
* 53	A-6713-593-A	MA-373 BOARD, COMPLETE (SE700I)		59	3-057-809-71	PANEL, REAR (SE600: B, E/SX600)	
* 53	A-6713-594-A	MA-373 BOARD, COMPLETE (SE800: D1, D2/SX800)		59	3-057-809-81	PANEL, REAR (SE700R)	
* 53	A-6713-595-A	MA-373 BOARD, COMPLETE (SE800N)		59	3-057-809-91	PANEL, REAR (SE800: B, D1, D2, E, N/SX800)	
				60	1-468-458-11	POWER BLOCK (SRV938EK)	

8-1-3. MECHANISM CHASSIS ASSEMBLY (1)



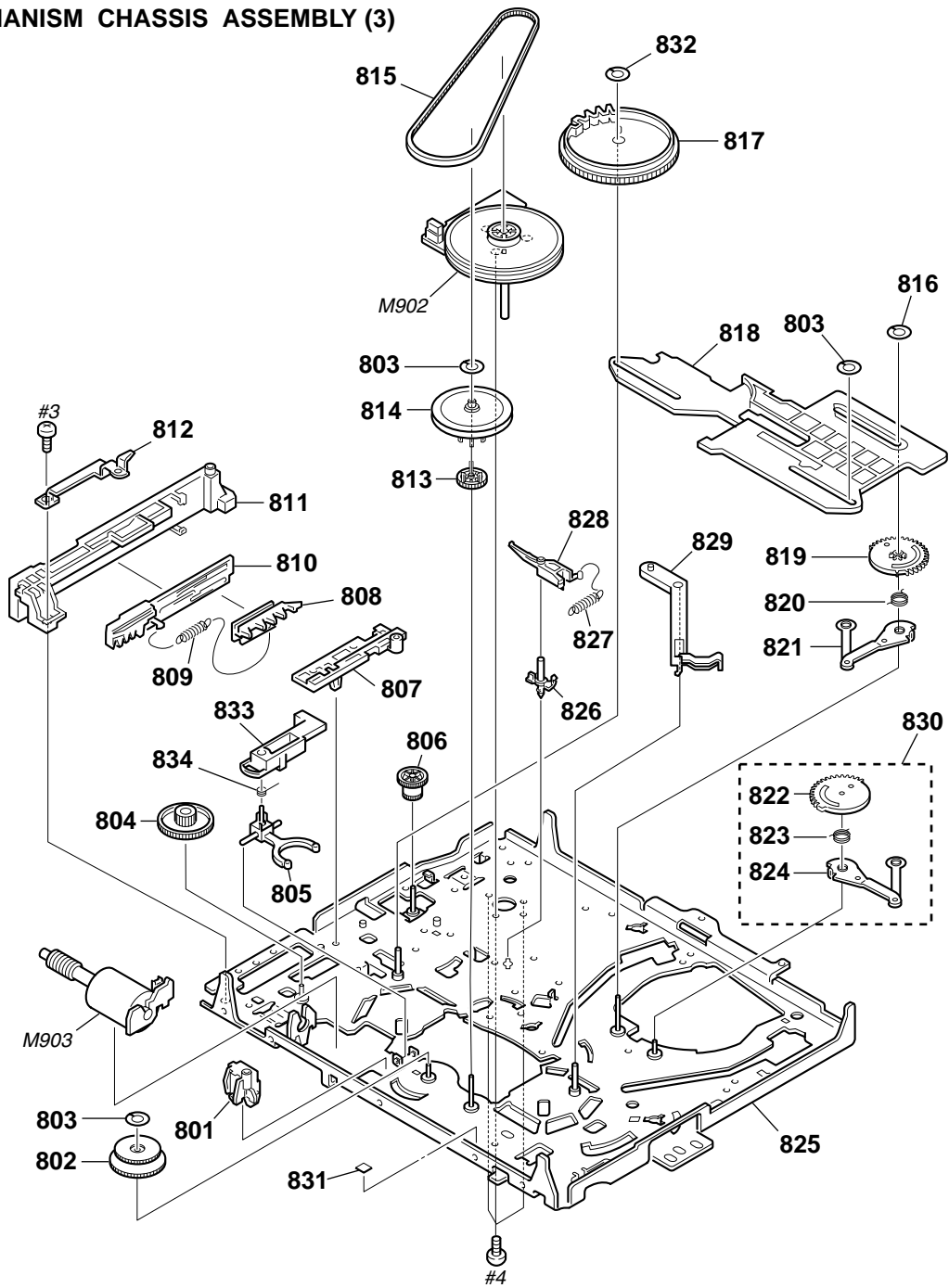
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
701	3-977-509-01	WASHER, THRUST		713	3-977-447-01	GEAR, ELEVATOR	
702	3-977-507-01	TABLE, REEL (S)		714	3-977-514-01	OPENER, LID	
703	3-977-508-01	TABLE, REEL (T)		715	3-977-441-03	GEAR, PINCH PRESSING	
704	1-500-144-11	HEAD, FE		716	3-977-445-02	GEAR, TG8 ARM DRIVING	
705	3-977-495-01	SHAFT TG2		717	3-977-465-01	SPRING, EXTENSION (RVS BRAKE)	
706	3-977-494-01	HOLDER, FEH		718	X-3947-582-1	ARM ASSY, RVS BRAKE	
707	A-6759-619-B	FL COMPLETE ASSY		720	X-3947-590-1	TG8 ASSY	
708	3-977-535-01	PLATE, LUMINOUS (END SENSOR)		721	A-6775-791-A	HEAD BLOCK ASSY, ACE FFC	
709	3-977-536-01	PLATE, LUMINOUS (TOP SENSOR)		722	3-974-556-11	+HEXA TT 2.6X9 (TAPER)	
710	3-970-471-01	SPRING (DECK OPEN), TORSION		723	3-979-508-01	SCREW +HEXA TP SW 3X8	
711	A-6759-863-B	PRESS BLOCK ASSY, PINCH		725	3-977-443-01	WASHER, STOPPER	
712	3-958-455-01	SPRING (PINCH), TENSION					

8-1-4. MECHANISM CHASSIS ASSEMBLY (2)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
751	X-3949-363-1	BRAKE ASSY, MAIN (T)		764	3-969-632-04	BASE, DRUM	
752	3-053-882-01	SPRING, TENS (MAIN BRAKE)		765	A-6750-328-E	SHUTTLE (T) BLOCK ASSY	
753	X-3947-573-1	ARM ASSY, PENDULUM		766	3-977-501-01	PLATE, LUMINOUS	
754	X-3949-362-1	BRAKE ASSY, MAIN (S)		768	1-772-361-11	DRUM ASSY, DZH-92D (SE350)	
755	3-977-513-02	LEVER, REC. PROOF		768	1-772-362-11	DRUM ASSY, DZH-93D (SE500)	
756	3-976-767-01	SPRING, TENS. (REC. PROOF)		768	1-772-364-11	DRUM ASSY, DZH-0B5A (EXCEPT SE350/ SE500/SE600B/SE700B/SE800B/SX700B)	
757	3-977-487-01	BOSS, TG1 FULCRUM		768	1-772-365-11	DRUM ASSY, DZH-0B6A (SE600B/SE700B/SE800B/SX700B)	
758	X-3950-427-1	TG1 ASSY (SD)		771	A-6746-074-G	ROLLER BLOCK ASSY, HC	
759	X-3950-373-1	BAND ASSY, TG1 (SD)		772	X-3947-255-1	ROLLER ASSY, HC	
760	3-977-488-01	SPRING (POWER TENSION)		773	3-975-724-07	ARM, HC	
761	A-6750-324-A	SHUTTLE (S) BLOCK ASSY					
762	X-3948-050-1	ROLLER ASSY, GUIDE					
763	3-965-178-01	SPRING					

8-1-5. MECHANISM CHASSIS ASSEMBLY (3)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
801	3-977-437-01	RETAINER, CAM MOTOR		819	3-977-455-01	GEAR, LOADING (T)	
802	X-3949-364-1	ASSY, REEL DIRECT SELECT (B)		820	3-977-456-03	SPRING, TORSION (LOAD T)	
803	3-977-443-01	WASHER, STOPPER		821	X-3947-579-1	LEVER ASSY, LOADING (T)	
804	3-977-438-01	WORM - WHEEL		822	3-977-451-01	GEAR, LOADING (S)	
805	3-053-887-01	ARM, LIMITTER SELECTION		823	3-977-452-01	SPRING, TORSION (LOAD S)	
806	3-977-444-01	GEAR, PINCH TRANSMISSION		824	X-3947-578-1	LEVER ASSY, LOADING (S)	
807	3-977-515-01	GUIDE, FL SLIDER		825	X-3947-576-2	CHASSIS ASSY, MECHANICAL	
808	3-977-517-01	PLATE, SLIDE, FL		826	3-977-468-01	SHAFT, CAPSTAN BRAKE	
809	3-977-519-01	SPRING, TENS. (LIMIT, FL)		827	3-977-467-02	SPRING, CAP BRAKE	
810	3-977-518-02	PLATE, LIMITTER, FL		828	X-3947-583-1	BRAKE ASSY, CAPSTAN	
811	3-977-516-01	HOLDER, FL SLIDER		829	3-977-489-01	ARM, TG1 DRIVING	
812	3-977-877-01	PLATE, RETAINER		830	A-6759-616-A	GEAR BLOCK ASSY, LOADING (S)	
813	3-977-504-01	GEAR, CLUTCH		831	3-989-917-01	SPACER (REC PROOF)	
814	X-3949-365-1	GEAR ASSY PULLEY (B)		832	3-056-952-11	WASHER, STOPPER	
815	3-977-510-01	BELT, RUBBER		833	3-053-888-01	BASE, DIRECT SELECT (B)	
816	3-056-824-01	WASHER, STOPPER		834	3-053-889-01	SPRING, TORSLON (DIRECT SELECT)	
817	3-977-439-01	GEAR, CAM		M902	1-698-971-11	MOTOR, DC (CAPSTAN)	
818	3-053-878-01	SLIDER (B)		M903	X-3947-577-1	MOTOR ASSY, CAM	

8-2. ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- **RESISTORS**
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- **SEMICONDUCTORS**
In each case, u: μ , for example:
uA. . : μ A. . uPA. . : μ PA. .
uPB. . : μ PB. . uPC. . : μ PC. .
uPD. . : μ PD. .
- **CAPACITORS**
uF: μ F
- **COILS**
uH: μ H
- Not all of the parts for **POWER BLOCK** (SRV938EK) are listed.

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description	Remark
*	A-6794-748-A	DS-91 BOARD, COMPLETE (SE350/SE600/SE650/SE700/SX600/SX700)	
*	A-6794-751-A	DS-91 BOARD, COMPLETE (SE800: B, D1, D2, E, G/SX800)	
*	A-6794-754-A	DS-91 BOARD, COMPLETE (SE800: K, N)	
*	A-6794-756-A	DS-91 BOARD, COMPLETE (SE500) ***** (Ref.No. 1,000 Series)	
		< CONNECTOR >	
CN450	1-784-447-11	CONNECTOR, FFC/FPC 5P (SE500/SE800/SX800)	
CN451	1-563-614-31	HOUSING, CONNECTOR 11P (SE500/SE800/SX800)	
* CN452	1-568-942-11	PIN, CONNECTOR 4P (SE800/SX800)	
CN453	1-691-064-31	HOUSING, CONNECTOR 5P (EXCEPT SE500/SE800/SX800)	
		< DIODE >	
D450	8-719-056-06	DIODE SLR-342DCT31 (JOG) (SE500/SE800/SX800)	
		< TRANSISTOR >	
Q450	8-729-043-29	TRANSISTOR PDTC144EK-115 (SE500/SE800/SX800)	
		< RESISTOR >	
R450	1-216-041-00	METAL CHIP 470 5% 1/10W (SE500/SE800/SX800)	
R451	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R452	1-216-049-91	RES, CHIP 1K 5% 1/10W	
R453	1-216-053-00	METAL CHIP 1.5K 5% 1/10W	
R454	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R455	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
R456	1-216-065-91	RES, CHIP 4.7K 5% 1/10W	
		< SWITCH >	
S450	1-771-410-21	SWITCH, TACT (REC ●)	
S451	1-771-410-21	SWITCH, TACT (◀)	
S452	1-771-410-21	SWITCH, TACT (STOP ■) (EXCEPT SE500/SE800/SX800)	
S453	1-771-410-21	SWITCH, TACT (PLAY ▷) (EXCEPT SE500/SE800/SX800)	
S454	1-771-410-21	SWITCH, TACT (JOG) (SE500/SE800/SX800)	

Ref. No.	Part No.	Description	Remark
S455	1-771-410-21	SWITCH, TACT (▶▶)	
S456	1-771-410-21	SWITCH, TACT (■)	
		< CAPACITOR >	
C481	1-163-009-11	CERAMIC CHIP 0.001 μ F 10% 50V	
C491	1-163-009-11	CERAMIC CHIP 0.001 μ F 10% 50V	
C493	1-163-009-11	CERAMIC CHIP 0.001 μ F 10% 50V (SE800/SX800)	
		< DIODE >	
D480	8-719-070-59	DIODE PDZ6.8B-115	
D481	8-719-067-40	DIODE STZ6.8N-T146	
D490	8-719-067-40	DIODE STZ6.8N-T146	
D491	8-719-067-40	DIODE STZ6.8N-T146 (SE800/SX800)	
		< JACK >	
J481	1-774-509-11	JACK, PIN 3P (LINE-2 IN) (SE800/SX800)	
J481	1-774-510-11	JACK, PIN 2P (LINE-2 IN) (SE500)	
		< SHORT >	
JS480	1-216-295-91	SHORT 0 (SE500)	
JS494	1-216-296-91	SHORT 0 (SE500)	
		< RESISTOR >	
R480	1-216-022-00	METAL CHIP 75 5% 1/10W	
R490	1-216-041-00	METAL CHIP 470 5% 1/10W	
R491	1-216-041-00	METAL CHIP 470 5% 1/10W (SE800/SX800)	

Ref. No.	Part No.	Description	Remark
*	A-6794-750-A	KK-23 BOARD, COMPLETE (SE800: B, D1, D2, E, G/SX800)	
*	A-6794-753-A	KK-23 BOARD, COMPLETE (SE800: K, N) ***** (Ref.No. 1,000 Series)	
		< SWITCH >	
S410	1-418-156-11	ENCODER, ROTARYRY (DIAL TIMER)	
*	A-6713-579-A	MA-373 BOARD, COMPLETE (SE700B/SX700B)	
*	A-6713-580-A	MA-373 BOARD, COMPLETE (SE800B)	
*	A-6713-581-A	MA-373 BOARD, COMPLETE (SE800K)	
*	A-6713-582-A	MA-373 BOARD, COMPLETE (SE800G)	
*	A-6713-583-A	MA-373 BOARD, COMPLETE (SE700G)	
*	A-6713-584-A	MA-373 BOARD, COMPLETE (SE600B)	
*	A-6713-585-A	MA-373 BOARD, COMPLETE (SE500R)	
*	A-6713-586-A	MA-373 BOARD, COMPLETE (SE700R)	
*	A-6713-587-A	MA-373 BOARD, COMPLETE (SE350)	
*	A-6713-588-A	MA-373 BOARD, COMPLETE (SE500K)	
*	A-6713-589-A	MA-373 BOARD, COMPLETE (SE600A)	
*	A-6713-590-A	MA-373 BOARD, COMPLETE (SE600E/SX600)	
*	A-6713-591-A	MA-373 BOARD, COMPLETE (SE650/SE700: D1, D2/SX700D)	
*	A-6713-592-A	MA-373 BOARD, COMPLETE (SE700: E1, E2/SX700E)	
*	A-6713-593-A	MA-373 BOARD, COMPLETE (SE700I)	
*	A-6713-594-A	MA-373 BOARD, COMPLETE (SE800: D1, D2/SX800)	
*	A-6713-595-A	MA-373 BOARD, COMPLETE (SE800N)	
*	A-6713-596-A	MA-373 BOARD, COMPLETE (SE800E)	
*	A-6713-597-A	MA-373 BOARD, COMPLETE (SE700N)	
*	A-6713-598-A	MA-373 BOARD, COMPLETE (SE700K)	
*	A-6713-599-A	MA-373 BOARD, COMPLETE (SE600N) ***** (Ref.No. 1,000 Series)	
	3-057-806-01	BASE, FL (EXCEPT SE800: B, D1, D2, E, G/SX800)	
	3-057-806-11	BASE, FL (SE800: B, D1, D2, E, G/SX800)	
	3-058-480-01	HOLDER, FLO (EXCEPT SE800: B, D1, D2, E, G/SX800)	
	3-058-480-11	HOLDER, FLO (SE800: B, D1, D2, E, G/SX800)	
*	3-960-273-01	SPACER, TOP END	
*	3-960-274-01	SPACER, LED < CAPACITOR >	
C001	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V (SE500/SE650/SE700/SE800/SX700/SX800)	
C002	1-124-584-00	ELECT 100uF 20% 10V (SE500/SE650/SE700/SE800/SX700/SX800)	
C003	1-109-982-11	CERAMIC CHIP 1uF 10% 10V (SE500/SE650/SE700/SE800/SX700/SX800)	
C004	1-124-259-11	ELECT 4.7uF 20% 16V (SE500/SE650/SE700/SE800/SX700/SX800)	
C006	1-110-501-11	CERAMIC CHIP 0.33uF 10% 16V (SE500/SE650/SE700/SE800/SX700/SX800)	
C007	1-126-157-11	ELECT 10uF 20% 16V (SE500/SE650/SE700/SE800/SX700/SX800)	
C008	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V (SE500/SE650/SE700/SE800/SX700/SX800)	
C009	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V (SE500/SE650/SE700/SE800/SX700/SX800)	

Ref. No.	Part No.	Description	Remark
C010	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V (SE500/SE650/SE700/SE800/SX700/SX800)	
C100	1-163-009-11	CERAMIC CHIP 0.001uF 10% 50V	
C101	1-163-009-11	CERAMIC CHIP 0.001uF 10% 50V	
C102	1-163-009-11	CERAMIC CHIP 0.001uF 10% 50V	
C103	1-128-057-11	ELECT 330uF 20% 6.3V	
C105	1-163-009-11	CERAMIC CHIP 0.001uF 10% 50V	
C107	1-104-664-11	ELECT 47uF 20% 16V	
C108	1-127-573-91	CERAMIC CHIP 1uF 10% 16V (SE350/SE500)	
C113	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V	
C114	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V	
C115	1-163-038-91	CERAMIC CHIP 0.1uF 25V	
C120	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V	
C121	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V	
C122	1-104-664-11	ELECT 47uF 20% 16V	
C123	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V	
C131	1-124-589-11	ELECT 47uF 20% 16V	
C133	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C134	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C140	1-126-933-11	ELECT 100uF 20% 16V	
C141	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V	
C142	1-163-037-11	CERAMIC CHIP 0.022uF 10% 25V	
C143	1-126-965-11	ELECT 22uF 20% 50V	
C144	1-126-965-11	ELECT 22uF 20% 50V	
C145	1-126-933-11	ELECT 100uF 20% 16V	
C146	1-164-161-11	CERAMIC CHIP 0.0022uF 10% 100V	
C147	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V (SE500/SE800/SX800)	
C148	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V	
C149	1-126-934-11	ELECT 220uF 20% 16V	
C150	1-126-963-11	ELECT 4.7uF 20% 50V	
C160	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V	
C161	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V	
C162	1-104-905-11	CAPACITOR 0.22F 5.5V	
C163	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V	
C164	1-125-972-91	ELECT 100uF 20% 16V	
C165	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V	
C166	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V	
C167	1-163-809-11	CERAMIC CHIP 0.047uF 10% 25V	
C168	1-163-235-11	CERAMIC CHIP 22PF 5% 50V	
C169	1-163-235-11	CERAMIC CHIP 22PF 5% 50V	
C170	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C171	1-163-229-11	CERAMIC CHIP 12PF 5% 50V	
C172	1-163-231-11	CERAMIC CHIP 15PF 5% 50V	
C173	1-163-007-11	CERAMIC CHIP 680PF 10% 50V	
C174	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V (EXCEPT SE350/SE500)	
C200	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V	
C201	1-126-160-11	ELECT 1uF 20% 50V	
C202	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V	
C203	1-163-809-11	CERAMIC CHIP 0.047uF 10% 25V	
C204	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V	
C205	1-163-239-11	CERAMIC CHIP 33PF 5% 50V (EXCEPT SE350)	
C205	1-163-241-11	CERAMIC CHIP 39PF 5% 50V (SE350)	
C206	1-163-809-11	CERAMIC CHIP 0.047uF 10% 25V	
C207	1-163-237-11	CERAMIC CHIP 27PF 5% 50V	
C208	1-126-160-11	ELECT 1uF 20% 50V	
C209	1-163-257-11	CERAMIC CHIP 180PF 5% 50V	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C210	1-163-237-11	CERAMIC CHIP	27PF 5% 50V	C278	1-163-037-11	CERAMIC CHIP	0.022uF 10% 25V
C211	1-109-982-11	CERAMIC CHIP	1uF 10% 10V	C279	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V
C212	1-163-809-11	CERAMIC CHIP	0.047uF 10% 25V	C280	1-126-933-11	ELECT	100uF 20% 16V
C213	1-109-982-11	CERAMIC CHIP	1uF 10% 10V	C281	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V
C214	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V	C282	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V
C215	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V	C283	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V
C216	1-163-037-11	CERAMIC CHIP	0.022uF 10% 25V	C284	1-164-489-11	CERAMIC CHIP	0.22uF 10% 16V
C217	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V	C285	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V
C218	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V (SE350/SE600/SX600)	C288	1-163-251-11	CERAMIC CHIP	100PF 5% 50V
C219	1-163-038-91	CERAMIC CHIP	0.1uF 25V	C289	1-163-233-11	CERAMIC CHIP	18PF 5% 50V
C220	1-124-589-11	ELECT	47uF 20% 16V	C303	1-163-038-91	CERAMIC CHIP	0.1uF 25V (EXCEPT SE350/SE500)
C221	1-109-982-11	CERAMIC CHIP	1uF 10% 10V (SE350)	C304	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V (EXCEPT SE350/SE500)
C221	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V (EXCEPT SE350)	C306	1-104-664-11	ELECT	47uF 20% 16V (EXCEPT SE350/SE500)
C222	1-109-982-11	CERAMIC CHIP	1uF 10% 10V	C307	1-104-664-11	ELECT	47uF 20% 16V (EXCEPT SE350/SE500)
C223	1-163-038-91	CERAMIC CHIP	0.1uF 25V	C308	1-126-964-11	ELECT	10uF 20% 50V (EXCEPT SE350/SE500)
C224	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V	C309	1-163-020-00	CERAMIC CHIP	0.0082uF 10% 50V (EXCEPT SE350/SE500)
C225	1-124-589-11	ELECT	47uF 20% 16V	C310	1-119-799-11	ELECT	47uF 20% 16V (EXCEPT SE350/SE500)
C226	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V	C311	1-126-964-11	ELECT	10uF 20% 50V (EXCEPT SE350/SE500)
C227	1-104-664-11	ELECT	47uF 20% 16V	C312	1-126-961-11	ELECT	2.2UF 20% 50V (EXCEPT SE350/SE500)
C228	1-163-131-00	CERAMIC CHIP	390PF 5% 50V	C313	1-126-964-11	ELECT	10uF 20% 50V (EXCEPT SE350/SE500)
C229	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V	C314	1-119-799-11	ELECT	47uF 20% 16V (EXCEPT SE350/SE500)
C230	1-163-038-91	CERAMIC CHIP	0.1uF 25V	C315	1-163-020-00	CERAMIC CHIP	0.0082uF 10% 50V (EXCEPT SE350/SE500)
C231	1-109-982-11	CERAMIC CHIP	1uF 10% 10V	C316	1-126-964-11	ELECT	10uF 20% 50V (EXCEPT SE350/SE500)
C232	1-109-982-11	CERAMIC CHIP	1uF 10% 10V	C317	1-164-489-11	CERAMIC CHIP	0.22uF 10% 16V (EXCEPT SE350/SE500)
C233	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V	C318	1-126-964-11	ELECT	10uF 20% 50V (EXCEPT SE350/SE500)
C234	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V	C319	1-124-261-00	ELECT	10uF 20% 50V (EXCEPT SE350/SE500)
C235	1-109-982-11	CERAMIC CHIP	1uF 10% 10V	C320	1-126-964-11	ELECT	10uF 20% 50V (EXCEPT SE350/SE500)
C236	1-163-243-11	CERAMIC CHIP	47PF 5% 50V	C322	1-126-964-11	ELECT	10uF 20% 50V (EXCEPT SE350/SE500)
C237	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V	C323	1-163-038-91	CERAMIC CHIP	0.1uF 25V (EXCEPT SE350/SE500)
C238	1-126-157-11	ELECT	10uF 20% 16V	C324	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V (EXCEPT SE350/SE500)
C239	1-163-243-11	CERAMIC CHIP	47PF 5% 50V (SE500/SE800/SX800)	C325	1-164-489-11	CERAMIC CHIP	0.22uF 10% 16V (EXCEPT SE350/SE500)
C240	1-163-243-11	CERAMIC CHIP	47PF 5% 50V (EXCEPT SE350/SE500R/SE600: A, N/SE700R)	C326	1-164-489-11	CERAMIC CHIP	0.22uF 10% 16V (EXCEPT SE350/SE500)
C241	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V (SE500/SE800/SX800)	C327	1-164-489-11	CERAMIC CHIP	0.22uF 10% 16V (EXCEPT SE350/SE500)
C242	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V (EXCEPT SE350/SE500R/SE600: A, N/SE700R)	C328	1-126-960-11	ELECT	1uF 20% 50V (SE800/SX800)
C243	1-163-809-11	CERAMIC CHIP	0.047uF 10% 25V	C329	1-126-960-11	ELECT	1uF 20% 50V (SE800/SX800)
C244	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V	C330	1-126-960-11	ELECT	1uF 20% 50V (EXCEPT SE350/SE500)
C245	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V	C331	1-126-960-11	ELECT	1uF 20% 50V (EXCEPT SE350/SE500)
C246	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V				
C247	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V				
C248	1-124-589-11	ELECT	47uF 20% 16V				
C249	1-126-157-11	ELECT	10uF 20% 16V				
C250	1-124-589-11	ELECT	47uF 20% 16V				
C251	1-126-153-11	ELECT	22uF 20% 6.3V				
C252	1-109-982-11	CERAMIC CHIP	1uF 10% 10V				
C253	1-163-139-00	CERAMIC CHIP	820PF 5% 50V (SE600B/SE700B/SE800B/SX700B)				
C254	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V (SE500/SE650/SE700/SE800/SX700/SX800)				
C255	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V				
C271	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V (EXCEPT SE350)				
C272	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V (EXCEPT SE350)				
C275	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V				
C276	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V				

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Ref. No.	Part No.	Description	Remark
C332	1-126-960-11	ELECT 1uF 20% 50V (EXCEPT SE350/SE500/SE600: A, N/SE700R)	
C333	1-126-960-11	ELECT 1uF 20% 50V (EXCEPT SE350/SE500/SE600: A, N/SE700R)	
C336	1-126-964-11	ELECT 10uF 20% 50V (EXCEPT SE350/SE500)	
C337	1-124-261-00	ELECT 10uF 20% 50V (EXCEPT SE350/SE500R/SE600: A, N/ SE700: G, I, R/SE800G)	
C338	1-124-261-00	ELECT 10uF 20% 50V (EXCEPT SE350/SE500/SE600: A, N/ SE700: G, I, R/SE800G)	
C350	1-164-489-11	CERAMIC CHIP 0.22uF 10% 16V	
C351	1-104-664-11	ELECT 47uF 20% 16V	
C352	1-163-038-91	CERAMIC CHIP 0.1uF 25V	
C353	1-164-489-11	CERAMIC CHIP 0.22uF 10% 16V (SE500)	
C354	1-126-964-11	ELECT 10uF 20% 50V	
C355	1-164-489-11	CERAMIC CHIP 0.22uF 10% 16V (SE350/SE500)	
C356	1-126-966-11	ELECT 33uF 20% 16V	
C357	1-126-963-11	ELECT 4.7uF 20% 50V	
C358	1-109-982-11	CERAMIC CHIP 1uF 10% 10V	
C359	1-163-011-11	CERAMIC CHIP 0.0015uF 10% 50V	
C360	1-163-011-11	CERAMIC CHIP 0.0015uF 10% 50V	
C362	1-104-664-11	ELECT 47uF 20% 16V	
C363	1-126-963-11	ELECT 4.7uF 20% 50V	
C364	1-126-964-11	ELECT 10uF 20% 50V	
C365	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V	
C366	1-126-960-11	ELECT 1uF 20% 50V	
C367	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V	
C380	1-137-374-11	MYLAR 0.047uF 5% 50V (SE350/SE600/SE650/SE700/SX600/SX700)	
C380	1-137-440-11	MYLAR 0.018uF 5% 50V (SE500/SE800/SX800)	
C381	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V	
C382	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V	
C383	1-124-589-11	ELECT 47uF 20% 16V	
C390	1-137-397-11	MYLAR 0.047uF 5% 100V (SE500/SE800/SX800)	
C391	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V (SE500/SE800/SX800)	
C392	1-163-011-11	CERAMIC CHIP 0.0015uF 10% 50V (SE500/SE800/SX800)	
C393	1-126-933-11	ELECT 100uF 20% 16V (SE500/SE800/SX800)	
C394	1-163-251-11	CERAMIC CHIP 100PF 5% 50V (SE500/SE800/SX800)	
C420	1-124-589-11	ELECT 47uF 20% 16V	
C421	1-163-235-11	CERAMIC CHIP 22PF 5% 50V	
C422	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C423	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V	
C424	1-126-157-11	ELECT 10uF 20% 16V	
C427	1-124-635-00	ELECT 220uF 20% 6.3V	
C505	1-163-131-00	CERAMIC CHIP 390PF 5% 50V	
C506	1-163-131-00	CERAMIC CHIP 390PF 5% 50V	
C507	1-163-131-00	CERAMIC CHIP 390PF 5% 50V	
C508	1-163-131-00	CERAMIC CHIP 390PF 5% 50V (EXCEPT SE350/SE500)	
C510	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V	
C511	1-104-664-11	ELECT 47uF 20% 16V	
C512	1-104-664-11	ELECT 47uF 20% 16V	
C513	1-126-935-11	ELECT 470uF 20% 6.3V	

Ref. No.	Part No.	Description	Remark
C514	1-163-239-11	CERAMIC CHIP 33PF 5% 50V (SE500R/SE650/SE700/SE800/SX700/SX800)	
C515	1-163-239-11	CERAMIC CHIP 33PF 5% 50V (SE650/SE700/SE800/SX700/SX800)	
C516	1-163-017-00	CERAMIC CHIP 0.0047uF 5% 50V	
C520	1-126-935-11	ELECT 470uF 20% 6.3V (SE500R/SE700R/SE800K)	
C575	1-163-131-00	CERAMIC CHIP 390PF 5% 50V (EXCEPT SE350/SE500R/SE600: A, N/SE700R)	
C576	1-163-131-00	CERAMIC CHIP 390PF 5% 50V (EXCEPT SE350/SE500R/SE600: A, N/SE700R)	
C577	1-163-131-00	CERAMIC CHIP 390PF 5% 50V (EXCEPT SE350/SE500R/SE600: A, N/ SE700: G, I, R/SE800G)	
C578	1-163-131-00	CERAMIC CHIP 390PF 5% 50V (EXCEPT SE350/SE500/SE600: A, N/ SE700: G, I, R/SE800G)	
C580	1-126-964-11	ELECT 10uF 20% 50V (SE500K)	
C581	1-126-964-11	ELECT 10uF 20% 50V (SE500K)	
C582	1-124-261-00	ELECT 10uF 20% 50V (SE500K)	
C583	1-126-964-11	ELECT 10uF 20% 50V (SE500K)	
C584	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V (SE500K)	
C585	1-126-964-11	ELECT 10uF 20% 50V (SE500K)	
C586	1-126-964-11	ELECT 10uF 20% 50V (SE500K)	
C587	1-124-261-00	ELECT 10uF 20% 50V (SE500K)	
C611	1-104-664-11	ELECT 47uF 20% 25V	
C612	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V	
C613	1-126-933-11	ELECT 100uF 20% 16V	
C618	1-126-965-11	ELECT 22uF 20% 50V	
C621	1-126-935-11	ELECT 470uF 20% 6.3V (EXCEPT SE350/SE500R/SE600: A, N/SE700R)	
C660	1-163-233-11	CERAMIC CHIP 18PF 5% 50V	
C661	1-163-233-11	CERAMIC CHIP 18PF 5% 50V	
C662	1-163-017-00	CERAMIC CHIP 0.0047uF 5% 50V	
C663	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V	
C664	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C665	1-163-245-11	CERAMIC CHIP 56PF 5% 50V (SE350/SE500/SE600: B, N/SE700: B, K, N, R/SE800: B, K, N/SX700B)	
C666	1-163-135-00	CERAMIC CHIP 560PF 5% 50V	
C667	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V	
C668	1-124-584-00	ELECT 100uF 20% 10V	
C669	1-163-016-00	CERAMIC CHIP 0.0039uF 10% 50V	
C670	1-109-982-11	CERAMIC CHIP 1uF 10% 10V	
C671	1-163-235-11	CERAMIC CHIP 22PF 5% 50V	
C672	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V	
C701	1-126-964-11	ELECT 10uF 20% 50V	
C702	1-164-161-11	CERAMIC CHIP 0.0022uF 10% 100V	
C704	1-126-964-11	ELECT 10uF 20% 50V	
C705	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V	
C708	1-104-664-11	ELECT 47uF 20% 16V	
C709	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V	
C710	1-126-965-11	ELECT 22uF 20% 50V (EXCEPT SE350/SE500/SE700R)	
C711	1-104-664-11	ELECT 47uF 20% 16V (EXCEPT SE350/SE500/SE700R)	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C730	1-126-964-11	ELECT	10uF 20% 50V (EXCEPT SE350/SE500)	C993	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V (SE600B/SE700B/SE800B/SX700B)	
C731	1-126-964-11	ELECT	10uF 20% 50V (EXCEPT SE350/SE500)	C994	1-163-021-91	CERAMIC CHIP 0.01uF 10% 50V (SE600B/SE700B/SE800B/SX700B)	
C752	1-126-933-11	ELECT	100uF 20% 16V	C995	1-124-584-00	ELECT 100uF 20% 10V (SE600B/SE700B/SE800B/SX700B)	
C753	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V	C996	1-163-227-11	CERAMIC CHIP 10PF 0.50PF 50V (SE600B/SE700B/SE800B/SX700B)	
C754	1-126-935-11	ELECT	470uF 20% 6.3V			< CONNECTOR >	
C755	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V	CN101	1-695-328-11	HOUSING, CONNECTOR 5P	
C757	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V	CN102	1-779-723-11	CONNECTOR, BOARD TO BOARD 9P	
C801	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V (EXCEPT SE600/SE700R/SX600)	* CN104	1-766-716-11	CONNECTOR, BOARD TO BOARD 3P	
C850	1-163-038-91	CERAMIC CHIP	0.1uF 25V (EXCEPT SE500R/SE600/SE700R/SX600)	* CN161	1-506-469-11	PIN, CONNECTOR 4P	
C851	1-126-964-11	ELECT	10uF 20% 50V (EXCEPT SE500R/SE600/SE700R/SX600)	CN260	1-784-490-11	CONNECTOR, FFC/FPC 11P (EXCEPT SE350/SE500)	
C852	1-164-161-11	CERAMIC CHIP	0.0022uF 10% 100V (EXCEPT SE500R/SE600/SE700R/SX600)	CN261	1-793-919-11	CONNECTOR, FFC/FPC 6P (SE350/SE500)	
C853	1-163-989-11	CERAMIC CHIP	0.033uF 10% 25V (EXCEPT SE500R/SE600/SE700R/SX600)	* CN262	1-560-893-00	PIN, CONNECTOR 5P	
C855	1-164-489-11	CERAMIC CHIP	0.22uF 10% 16V (EXCEPT SE500R/SE600/SE700R/SX600)	* CN263	1-560-890-00	PIN, CONNECTOR 2P (EXCEPT SE350/SE500)	
C856	1-163-038-91	CERAMIC CHIP	0.1uF 25V (EXCEPT SE500R/SE600/SE700R/SX600)	CN350	1-784-486-11	CONNECTOR, FFC/FPC 7P	
C970	1-163-259-91	CERAMIC CHIP	220PF 5% 50V (SE600B/SE700B/SE800B/SX700B)	CN351	1-506-468-11	PIN, CONNECTOR 3P	
C971	1-124-257-00	ELECT	2.2uF 20% 50V (SE600B/SE700B/SE800B/SX700B)	CN460	1-691-043-21	HOUSING, CONNECTOR 11P (SE500/SE800/SX800)	
C972	1-163-017-00	CERAMIC CHIP	0.0047uF 5% 50V (SE600B/SE700B/SE800B/SX700B)	CN461	1-695-328-11	HOUSING, CONNECTOR 5P (SE350/SE600/SE650/SE700/SX600/SX700)	
C973	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V (SE600B/SE700B/SE800B/SX700B)	CN500	1-793-918-11	CONNECTOR, SQUARE TYPE 21P (LINE-1 (TV)) (SE350/SE500R/SE600: A, N/SE700R)	
C974	1-109-982-11	CERAMIC CHIP	1uF 10% 10V (SE600B/SE700B/SE800B/SX700B)	CN501	1-506-469-11	PIN, CONNECTOR 4P (SE500)	
C975	1-163-037-11	CERAMIC CHIP	0.022uF 10% 25V (SE600B/SE700B/SE800B/SX700B)	* CN501	1-568-954-11	PIN, CONNECTOR 5P (SE800/SX800)	
C976	1-163-259-91	CERAMIC CHIP	220PF 5% 50V (SE600B/SE700B/SE800B/SX700B)	CN570	1-793-917-11	CONNECTOR, SQUARE TYPE 21P (DECODER/LINE-2 IN, LINE-1 (TV)) (EXCEPT SE350/SE500/SE600: A, N/ SE700R/SE800/SX800)	
C977	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V (SE600B/SE700B/SE800B/SX700B)	CN570	1-793-917-11	CONNECTOR, SQUARE TYPE 21P (DECODER/LINE-3 IN, LINE-1 (TV)) (SE500K/SE800/SX800)	
C978	1-163-017-00	CERAMIC CHIP	0.0047uF 5% 50V (SE600B/SE700B/SE800B/SX700B)	CN600	1-778-674-21	CONNECTOR, BOARD TO BOARD 19P	
C979	1-163-255-11	CERAMIC CHIP	150PF 5% 50V (SE600B/SE700B/SE800B/SX700B)	CN601	1-793-673-11	CONNECTOR, BOARD TO BOARD 7P	
C980	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V (SE600B/SE700B/SE800B/SX700B)			< DIODE >	
C981	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V (SE600B/SE700B/SE800B/SX700B)	D100	8-719-048-26	DIODE GL528V1 (T/S LED)	
C982	1-163-007-11	CERAMIC CHIP	680PF 10% 50V (SE600B/SE700B/SE800B/SX700B)	D110	8-719-200-82	DIODE MPG06D-6052PKG3	
C983	1-163-009-11	CERAMIC CHIP	0.001uF 10% 50V (SE600B/SE700B/SE800B/SX700B)	D140	8-719-988-61	DIODE 1SS355TE-17	
C984	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V (SE600B/SE700B/SE800B/SX700B)	D420	8-719-045-62	DIODE SLR-342VCT31 (SYNCHRO REC) (SE500K/SE800/SX800)	
C985	1-163-251-11	CERAMIC CHIP	100PF 5% 50V (SE600B/SE700B/SE800B/SX700B)	D421	8-719-988-61	DIODE 1SS355TE-17 (SE500K/SE800/SX800)	
C986	1-126-157-11	ELECT	10uF 20% 16V (SE600B/SE700B/SE800B/SX700B)	D422	8-719-056-06	DIODE SLR-342DCT31 (RR) (SE500/SE650/SE700/SE800/SX700/SX800)	
C987	1-107-823-11	CERAMIC CHIP	0.47uF 10% 16V (SE600B/SE700B/SE800B/SX700B)	D423	8-719-988-61	DIODE 1SS355TE-17 (SE500/SE650/SE700/SE800/SX700/SX800)	
C988	1-163-251-11	CERAMIC CHIP	100PF 5% 50V (SE600B/SE700B/SE800B/SX700B)	D424	8-719-067-40	DIODE STZ6.8N-T146	
C991	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V (SE600B/SE700B/SE800B/SX700B)	D500	8-719-071-50	DIODE BZA408B-115	
C992	1-163-021-91	CERAMIC CHIP	0.01uF 10% 50V (SE600B/SE700B/SE800B/SX700B)	D501	8-719-071-50	DIODE BZA408B-115	
				D502	8-719-070-59	DIODE PDZ6.8B-115	
				D503	8-719-977-40	DIODE UDZ-TE-17-13B	
				D504	8-719-070-59	DIODE PDZ6.8B-115	
				D570	8-719-071-50	DIODE BZA408B-115 (EXCEPT SE350/SE500R/SE600: A, N/SE700R)	
				D571	8-719-070-59	DIODE PDZ6.8B-115 (EXCEPT SE350/SE500R/SE600: A, N/SE700R)	
				D572	8-719-977-40	DIODE UDZ-TE-17-13B (EXCEPT SE350/SE500R/SE600: A, N/SE700R)	

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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
D573	8-719-070-59	DIODE PDZ6.8B-115 (SE500R/SE650/SE700/SE800/SX700/SX800)		JR013	1-216-295-91	SHORT 0	
D590	8-719-988-61	DIODE 1SS355TE-17		JR014	1-216-295-91	SHORT 0	
D591	8-719-988-61	DIODE 1SS355TE-17 (SE350/SE500)		JR016	1-216-295-91	SHORT 0	
D603	8-719-075-84	DIODE S1G-G2P (EXCEPT SE350/SE500R/SE600: A, N/SE700R)		JR017	1-216-295-91	SHORT 0	
D606	8-719-075-84	DIODE S1G-G2P		JR018	1-216-295-91	SHORT 0	
D607	8-719-075-84	DIODE S1G-G2P		JR019	1-216-295-91	SHORT 0	
D700	8-719-988-61	DIODE 1SS355TE-17 (SE700R)		JR020	1-216-295-91	SHORT 0	
D702	8-719-982-26	DIODE MTZJ-T-77-33		JR021	1-216-295-91	SHORT 0	
D750	8-719-075-84	DIODE S1G-G2P		JR022	1-216-295-91	SHORT 0	
D800	8-719-988-61	DIODE 1SS355TE-17 (EXCEPT SE600/SE700R/SX600)		JR023	1-216-295-91	SHORT 0	
		< IC >		JR026	1-216-295-91	SHORT 0	
IC001	8-759-566-07	IC LA7277M-TLM (SE500/SE650/SE700/SE800/SX700/SX800)		JR027	1-216-295-91	SHORT 0	
IC130	8-759-645-07	IC LB1943N		JR028	1-216-295-91	SHORT 0	
IC160	8-759-248-87	IC MM1256XF-BE		JR201	1-216-296-91	SHORT 0	
IC161	8-759-575-72	IC M24C08-WMN6T		JR202	1-216-296-91	SHORT 0	
IC162	8-759-673-31	IC M37760MFH216GP (SE500R/SE600/SE700R/SX600)		JR203	1-216-296-91	SHORT 0	
IC162	8-759-673-32	IC M37760MFH217GP (EXCEPT SE500R/SE600/SE700R/SX600)		JR204	1-216-296-91	SHORT 0	
IC200	8-759-638-71	IC LA71562M-MPB		JR205	1-216-296-91	SHORT 0	
IC260	8-759-549-79	IC LA70001 (SE350)		JR206	1-216-296-91	SHORT 0 (SE600B/SE700B/SE800B/SX700B)	
IC260	8-759-564-36	IC LA70011 (EXCEPT SE350)		JR207	1-216-296-91	SHORT 0	
IC301	8-759-638-55	IC TDA9605H/N2, 518 (EXCEPT SE350/SE500)		JR208	1-216-296-91	SHORT 0	
IC350	8-759-499-30	IC BA7755AF-E2		JR209	1-216-296-91	SHORT 0	
IC420	8-759-547-59	IC M35500BGP		JR210	1-216-296-91	SHORT 0	
IC460	8-749-015-48	IC RPM6940		JR211	1-216-296-91	SHORT 0	
IC580	8-759-009-07	IC MC14053BFEL (SE500K)		JR212	1-216-296-91	SHORT 0	
△IC601	8-759-438-18	IC PQ12RD08		JR213	1-216-296-91	SHORT 0	
IC850	8-759-484-61	IC SDA5650X-GEG (EXCEPT SE500R/SE600/SE700R/SX600)		JR214	1-216-296-91	SHORT 0	
IC970	8-759-438-17	IC LA7337 (SE600B/SE700B/SE800B/SX700B)		JR215	1-216-296-91	SHORT 0	
		< JACK >		JR216	1-216-296-91	SHORT 0 (SE600B/SE700B/SE800B/SX700B)	
* J500	1-779-924-11	JACK, PIN 2P (LINE-2 OUT) (SE500R)		JR217	1-216-296-91	SHORT 0	
J500	1-784-412-11	JACK, PIN 3P (LINE-2 OUT) (SE700R/SE800K)		JR218	1-216-296-91	SHORT 0	
J500	1-784-414-11	JACK, PIN 2P (LINE-2 OUT) (EXCEPT SE350/SE500/SE600/ SE700R/SE800K/SX600)		JR219	1-216-296-91	SHORT 0	
		< SHORT >		JR220	1-216-296-91	SHORT 0	
JR001	1-216-295-91	SHORT 0		JR221	1-216-296-91	SHORT 0	
JR002	1-216-295-91	SHORT 0		JR222	1-216-296-91	SHORT 0	
JR003	1-216-295-91	SHORT 0		JR223	1-216-296-91	SHORT 0 (SE600B/SE700B/SE800B/SX700B)	
JR004	1-216-295-91	SHORT 0 (SE500K)		JR224	1-216-296-91	SHORT 0	
JR005	1-216-295-91	SHORT 0		JR225	1-216-296-91	SHORT 0	
JR006	1-216-295-91	SHORT 0		JR226	1-216-296-91	SHORT 0	
JR007	1-216-295-91	SHORT 0		JR227	1-216-295-91	SHORT 0	
JR008	1-216-295-91	SHORT 0		JR228	1-216-296-91	SHORT 0	
JR009	1-216-295-91	SHORT 0		JR229	1-216-296-91	SHORT 0	
JR010	1-216-295-91	SHORT 0		JR230	1-216-296-91	SHORT 0 (SE500/SE700R/SE800/SX800)	
JR011	1-216-295-91	SHORT 0		JR231	1-216-296-91	SHORT 0	
JR012	1-216-295-91	SHORT 0		JR232	1-216-296-91	SHORT 0	
				JR233	1-216-296-91	SHORT 0	
				JR234	1-216-296-91	SHORT 0	
				JR235	1-216-296-91	SHORT 0	
				JR236	1-216-296-91	SHORT 0	
				JR237	1-216-296-91	SHORT 0	
				JR238	1-216-296-91	SHORT 0	
				JR239	1-216-296-91	SHORT 0 (SE600B/SE700B/SE800B/SX700B)	
				JR240	1-216-296-91	SHORT 0	
				JR241	1-216-296-91	SHORT 0 (SE500K)	
				JR242	1-216-296-91	SHORT 0 (SE500K)	
				JR243	1-216-296-91	SHORT 0	
				JR244	1-216-296-91	SHORT 0	
				JR245	1-216-296-91	SHORT 0	

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Replace only with part number specified.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
JR246	1-216-296-91	SHORT 0		L970	1-414-933-21	INDUCTOR 6.8uH (SE600B/SE700B/SE800B/SX700B)	
JR247	1-216-296-91	SHORT 0		L971	1-414-945-21	INDUCTOR 27uH (SE600B/SE700B/SE800B/SX700B)	
JR248	1-216-296-91	SHORT 0 (SE500/SE800/SX800)		L972	1-414-938-21	INDUCTOR 47uH (SE600B/SE700B/SE800B/SX700B)	
JR249	1-216-296-91	SHORT 0		L973	1-414-938-21	INDUCTOR 47uH (SE600B/SE700B/SE800B/SX700B)	
JR250	1-216-296-91	SHORT 0		L975	1-414-934-21	INDUCTOR 10uH (SE600B/SE700B/SE800B/SX700B)	
JR251	1-216-296-91	SHORT 0		< FLUORESCENT INDICATOR TUBE >			
JR252	1-216-296-91	SHORT 0		ND420	1-517-832-11	INDICATOR TUBE, FLUORESCENT	
JS204	1-216-295-91	SHORT 0 (SE350/SE600/SX600)		< PHOTO INTERRUPTER >			
JS302	1-216-295-91	SHORT 0 (SE350/SE500)		PH100	8-749-015-86	PHOTO INTERRUPTER GP3S120S	
JS308	1-216-295-91	SHORT 0 (SE350/SE500)		PH101	8-749-015-86	PHOTO INTERRUPTER GP3S120S	
JS351	1-216-295-91	SHORT 0 (SE500/SE800/SX800)		< IC LINK >			
JS500	1-216-295-91	SHORT 0 (SE350/SE500)		△ PS120	1-532-605-00	LINK, IC (0.4A)	
JS501	1-216-295-91	SHORT 0 (SE350/SE500)		△ PS390	1-532-727-11	LINK, IC (0.25A) (SE500/SE800/SX800)	
JS504	1-216-295-91	SHORT 0 (SE500)		△ PS602	1-532-727-11	LINK, IC (0.25A) (EXCEPT SE350/SE500R/SE600: A, N/SE700R)	
JS570	1-216-295-91	SHORT 0 (SE500K)		△ PS603	1-532-727-11	LINK, IC (0.25A)	
JS571	1-216-295-91	SHORT 0 (SE500K)		< TRANSISTOR >			
JS580	1-216-295-91	SHORT 0 (EXCEPT SE500K)		Q100	8-729-043-84	TRANSISTOR PT380F3	
JS581	1-216-295-91	SHORT 0 (EXCEPT SE500K)		Q101	8-729-043-84	TRANSISTOR PT380F3	
JS590	1-216-295-91	SHORT 0 (SE350/SE500)		Q102	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
JS591	1-216-295-91	SHORT 0 (EXCEPT SE350/SE500)		Q103	8-729-043-29	TRANSISTOR PDTC144EK-115	
JS700	1-216-295-91	SHORT 0 (SE700R)		Q104	8-729-216-22	TRANSISTOR 2PB709AR-115	
JS701	1-216-296-91	SHORT 0 (SE700R)		Q140	8-729-422-33	TRANSISTOR 2PD601AR-115 (SE500/SE800/SX800)	
< COIL >				Q200	8-729-422-33	TRANSISTOR 2PD601AR-115	
L001	1-414-934-21	INDUCTOR 10uH (SE500/SE650/SE700/SE800/SX700/SX800)		Q201	8-729-422-33	TRANSISTOR 2PD601AR-115	
L140	1-414-936-21	INDUCTOR 22uH		Q202	8-729-422-33	TRANSISTOR 2PD601AR-115	
L160	1-414-936-21	INDUCTOR 22uH		Q203	8-729-216-22	TRANSISTOR 2PB709AR-115	
L161	1-414-936-21	INDUCTOR 22uH		Q204	8-729-043-29	TRANSISTOR PDTC144EK-115 (SE600B/SE700B/SE800B/SX700B)	
L200	1-414-946-21	INDUCTOR 39uH		Q270	8-729-043-29	TRANSISTOR PDTC144EK-115 (EXCEPT SE350/SE500)	
L201	1-414-940-21	INDUCTOR 100uH		Q350	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
L202	1-414-934-21	INDUCTOR 10uH		Q380	8-729-802-91	TRANSISTOR 2SD879-AA	
L203	1-414-934-21	INDUCTOR 10uH		Q390	8-729-900-51	TRANSISTOR UN2115-QRS (TX) (SE500/SE800/SX800)	
L204	1-414-934-21	INDUCTOR 10uH		Q391	8-729-043-29	TRANSISTOR PDTC144EK-115 (SE500/SE800/SX800)	
L205	1-414-934-21	INDUCTOR 10uH		Q392	8-729-012-31	TRANSISTOR 2SC4040-TL2-Q (SE500/SE800/SX800)	
L206	1-414-938-21	INDUCTOR 47uH (SE600B/SE700B/SE800B/SX700B)		Q501	8-729-043-32	TRANSISTOR PDTA114EK-115	
L270	1-414-940-21	INDUCTOR 100uH		Q502	8-729-043-29	TRANSISTOR PDTC144EK-115	
L271	1-414-930-21	INDUCTOR 2.2uH		Q510	8-729-216-22	TRANSISTOR 2PB709AR-115	
L301	1-414-940-21	INDUCTOR 100uH (EXCEPT SE350/SE500)		Q520	8-729-216-22	TRANSISTOR 2PB709AR-115 (SE500R/SE700R/SE800K)	
L350	1-414-940-21	INDUCTOR 100uH		Q540	8-729-216-22	TRANSISTOR 2PB709AR-115 (EXCEPT SE350/SE500R/SE600: A, N/ SE700: G, I, R/SE800G)	
L380	1-414-940-21	INDUCTOR 100uH		Q541	8-729-216-22	TRANSISTOR 2PB709AR-115 (EXCEPT SE350/SE500R/SE600: A, N/ SE700: G, I, R/SE800G)	
L390	1-410-687-11	INDUCTOR 1.2mH (SE500/SE800/SX800)		< TRANSISTOR >			
L460	1-414-938-21	INDUCTOR 47uH		Q501	8-729-043-32	TRANSISTOR PDTA114EK-115	
L510	1-414-940-21	INDUCTOR 100uH		Q502	8-729-043-29	TRANSISTOR PDTC144EK-115	
L580	1-414-940-21	INDUCTOR 100uH (SE500K)		Q510	8-729-216-22	TRANSISTOR 2PB709AR-115	
L660	1-414-930-21	INDUCTOR 2.2uH		Q520	8-729-216-22	TRANSISTOR 2PB709AR-115 (SE500R/SE700R/SE800K)	
L661	1-414-936-21	INDUCTOR 22uH (SE350/SE500/SE600: B, N/SE700: B, K, N, R/ SE800: B, K, N/SX700B)		Q540	8-729-216-22	TRANSISTOR 2PB709AR-115 (EXCEPT SE350/SE500R/SE600: A, N/ SE700: G, I, R/SE800G)	
L662	1-414-936-21	INDUCTOR 22uH		Q541	8-729-216-22	TRANSISTOR 2PB709AR-115 (EXCEPT SE350/SE500R/SE600: A, N/ SE700: G, I, R/SE800G)	
L663	1-414-936-21	INDUCTOR 22uH		< TRANSISTOR >			
L701	1-414-930-21	INDUCTOR 2.2uH		Q501	8-729-043-32	TRANSISTOR PDTA114EK-115	
L750	1-414-930-21	INDUCTOR 2.2uH		Q502	8-729-043-29	TRANSISTOR PDTC144EK-115	
L751	1-414-934-21	INDUCTOR 10uH		Q510	8-729-216-22	TRANSISTOR 2PB709AR-115	

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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
Q580	8-729-043-29	TRANSISTOR	PDTC144EK-115 (SE500K)	R006	1-216-051-00	METAL CHIP 1.2K 5% 1/10W (SE500/SE650/SE700/SE800/SX700/SX800)	
Q581	8-729-043-29	TRANSISTOR	PDTC144EK-115 (SE500K)	R100	1-216-077-91	RES, CHIP 15K 5% 1/10W	
Q582	8-729-043-29	TRANSISTOR	PDTC144EK-115 (SE500K)	R101	1-249-413-11	CARBON 470 5% 1/4W	
Q583	8-729-422-33	TRANSISTOR	2PD601AR-115 (SE500K)	R102	1-216-077-91	RES, CHIP 15K 5% 1/10W	
Q590	8-729-422-33	TRANSISTOR	2PD601AR-115 (EXCEPT SE350/SE500)	R103	1-216-081-00	METAL CHIP 22K 5% 1/10W	
Q591	8-729-422-33	TRANSISTOR	2PD601AR-115	R104	1-216-049-91	RES, CHIP 1K 5% 1/10W	
Q592	8-729-216-22	TRANSISTOR	2PB709AR-115 (EXCEPT SE350/SE500)	R105	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
Q607	8-729-804-41	TRANSISTOR	2SB1122-ST-TD (EXCEPT SE350/SE500R/SE600: A, N/SE700R)	R106	1-249-400-11	CARBON 39 5% 1/4W	
Q608	8-729-043-29	TRANSISTOR	PDTC144EK-115 (EXCEPT SE350/SE500R/SE600: A, N/SE700R)	R107	1-249-400-11	CARBON 39 5% 1/4W	
Q612	8-729-804-41	TRANSISTOR	2SB1122-ST-TD	R108	1-216-081-00	METAL CHIP 22K 5% 1/10W	
Q613	8-729-043-29	TRANSISTOR	PDTC144EK-115	R110	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
Q660	8-729-216-22	TRANSISTOR	2PB709AR-115	R111	1-216-089-91	RES, CHIP 47K 5% 1/10W	
Q661	8-729-216-22	TRANSISTOR	2PB709AR-115	R114	1-216-089-91	RES, CHIP 47K 5% 1/10W	
Q700	8-729-422-33	TRANSISTOR	2PD601AR-115 (SE700R)	R115	1-216-089-91	RES, CHIP 47K 5% 1/10W	
Q701	8-729-216-22	TRANSISTOR	2PB709AR-115 (SE700R)	R120	1-216-089-91	RES, CHIP 47K 5% 1/10W	
Q702	8-729-216-22	TRANSISTOR	2PB709AR-115 (SE700R)	R121	1-216-089-91	RES, CHIP 47K 5% 1/10W	
Q720	8-729-119-76	TRANSISTOR	2SA1309A-QRSTA	R123	1-216-065-91	RES, CHIP 4.7K 5% 1/10W	
Q721	8-729-422-33	TRANSISTOR	2PD601AR-115	R124	1-216-041-00	METAL CHIP 470 5% 1/10W	
Q730	8-729-422-33	TRANSISTOR	2PD601AR-115 (SE700R)	R130	1-216-077-91	RES, CHIP 15K 5% 1/10W	
Q731	8-729-422-33	TRANSISTOR	2PD601AR-115 (SE700R)	R132	1-216-041-00	METAL CHIP 470 5% 1/10W	
Q751	8-729-043-29	TRANSISTOR	PDTC144EK-115	R133	1-216-089-91	RES, CHIP 47K 5% 1/10W	
Q752	8-729-216-22	TRANSISTOR	2PB709AR-115	R140	1-216-073-00	METAL CHIP 10K 5% 1/10W (SE500/SE800/SX800)	
Q800	8-729-216-22	TRANSISTOR	2PB709AR-115 (EXCEPT SE600/SE700R/SX600)	R141	1-216-073-00	METAL CHIP 10K 5% 1/10W (SE500/SE800/SX800)	
Q801	8-729-422-33	TRANSISTOR	2PD601AR-115 (EXCEPT SE600/SE700R/SX600)	R142	1-216-051-00	METAL CHIP 1.2K 5% 1/10W	
Q802	8-729-422-33	TRANSISTOR	2PD601AR-115 (EXCEPT SE600/SE700R/SX600)	R143	1-216-065-91	RES, CHIP 4.7K 5% 1/10W	
Q803	8-729-422-33	TRANSISTOR	2PD601AR-115 (EXCEPT SE600/SE700R/SX600)	R160	1-216-053-00	METAL CHIP 1.5K 5% 1/10W (SE700: G, I/SE800G)	
Q804	8-729-043-29	TRANSISTOR	PDTC144EK-115 (EXCEPT SE600/SE700R/SX600)	R160	1-216-061-00	METAL CHIP 3.3K 5% 1/10W (SE600B/SE700B/SE800B/SX700B)	
Q850	8-729-216-22	TRANSISTOR	2PB709AR-115 (EXCEPT SE500R/SE600/SE700R/SX600)	R160	1-216-067-00	METAL CHIP 5.6K 5% 1/10W (SE350/SE500K/SE600N/ SE700: K, N/SE800: K, N)	
Q970	8-729-216-22	TRANSISTOR	2PB709AR-115 (SE600B/SE700B/SE800B/SX700B)	R160	1-216-071-00	METAL CHIP 8.2K 5% 1/10W (SE500R/SE700R)	
Q972	8-729-043-32	TRANSISTOR	PDTA114EK-115 (SE600B/SE700B/SE800B/SX700B)	R161	1-216-295-91	SHORT 0 (SE600: A, E/SE650/SE700: D1, D2, E1, E2 /SE800: D1, D2, E/SX600/SX700: D, E/SX800)	
Q973	8-729-422-33	TRANSISTOR	2PD601AR-115 (SE600B/SE700B/SE800B/SX700B)	R161	1-216-053-00	METAL CHIP 1.5K 5% 1/10W (SE500K/SE600E/SE700: B, G, R/ SX600/SX700B)	
Q974	8-729-422-33	TRANSISTOR	2PD601AR-115 (SE600B/SE700B/SE800B/SX700B)	R161	1-216-061-00	METAL CHIP 3.3K 5% 1/10W (SE600N/SE700: E1, E2, I/SE800B/SX700E)	
Q975	8-729-043-32	TRANSISTOR	PDTA114EK-115 (SE600B/SE700B/SE800B/SX700B)	R161	1-216-067-00	METAL CHIP 5.6K 5% 1/10W (SE700N/SE800: E, G)	
Q976	8-729-043-29	TRANSISTOR	PDTC144EK-115 (SE600B/SE700B/SE800B/SX700B)	R161	1-216-071-00	METAL CHIP 8.2K 5% 1/10W (SE650/SE700: D1, D2, K/SX700D)	
		< RESISTOR >		R161	1-216-075-00	METAL CHIP 12K 5% 1/10W (SE800: D1, D2, N/SX800)	
R001	1-208-806-11	METAL CHIP	10K 0.5% 1/10W (SE500/SE650/SE700/SE800/SX700/SX800)	R161	1-216-079-00	METAL CHIP 18K 5% 1/10W (SE800K)	
R002	1-216-041-00	METAL CHIP	470 5% 1/10W (SE500/SE650/SE700/SE800/SX700/SX800)	R161	1-216-295-91	SHORT 0 (SE350/SE500R/SE600: A, B)	
R003	1-216-041-00	METAL CHIP	470 5% 1/10W (SE500/SE650/SE700/SE800/SX700/SX800)	R162	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R004	1-216-071-00	METAL CHIP	8.2K 5% 1/10W (SE500/SE650/SE700/SE800/SX700/SX800)	R163	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R005	1-216-049-91	RES, CHIP	1K 5% 1/10W (SE500/SE650/SE700/SE800/SX700/SX800)	R164	1-216-073-00	METAL CHIP 10K 5% 1/10W	
				R165	1-216-061-00	METAL CHIP 3.3K 5% 1/10W (SE800/SX800)	
				R166	1-216-061-00	METAL CHIP 3.3K 5% 1/10W (SE800/SX800)	
				R167	1-216-069-00	METAL CHIP 6.8K 5% 1/10W	
				R168	1-216-101-00	METAL CHIP 150K 5% 1/10W	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R169	1-216-113-00	METAL CHIP	470K 5% 1/10W	R217	1-216-025-91	RES, CHIP	100 5% 1/10W (EXCEPT SE350/SE500R/SE600: A, N/ SE700: G, I, R/SE800G)
R170	1-216-061-00	METAL CHIP	3.3K 5% 1/10W	R218	1-216-295-91	SHORT	0
R171	1-216-073-00	METAL CHIP	10K 5% 1/10W	R219	1-216-017-91	RES, CHIP	47 5% 1/10W (SE350/SE600/SX600)
R172	1-216-295-91	SHORT	0 (EXCEPT SE350/SE500/SE700R)	R219	1-216-025-91	RES, CHIP	100 5% 1/10W (EXCEPT SE350/SE600/SX600)
R175	1-216-295-91	SHORT	0 (EXCEPT SE350/SE500/SE700R)	R220	1-216-049-91	RES, CHIP	1K 5% 1/10W
R176	1-216-037-00	METAL CHIP	330 5% 1/10W	R221	1-216-017-91	RES, CHIP	47 5% 1/10W
R177	1-216-041-00	METAL CHIP	470 5% 1/10W	R222	1-216-017-91	RES, CHIP	47 5% 1/10W (SE500/SE800/SX800)
R178	1-216-041-00	METAL CHIP	470 5% 1/10W	R223	1-216-017-91	RES, CHIP	47 5% 1/10W (EXCEPT SE350/SE500R/SE600: A, N/SE700R)
R179	1-216-041-00	METAL CHIP	470 5% 1/10W	R224	1-216-057-00	METAL CHIP	2.2K 5% 1/10W
R180	1-216-069-00	METAL CHIP	6.8K 5% 1/10W	R225	1-216-057-00	METAL CHIP	2.2K 5% 1/10W
R181	1-216-061-00	METAL CHIP	3.3K 5% 1/10W	R226	1-216-055-00	METAL CHIP	1.8K 5% 1/10W
R182	1-216-033-00	METAL CHIP	220 5% 1/10W	R227	1-216-295-91	SHORT	0
R183	1-216-033-00	METAL CHIP	220 5% 1/10W	R228	1-216-295-91	SHORT	0 (SE600B/SE700B/SE800B/SX700B)
R184	1-216-295-91	SHORT	0	R232	1-216-077-91	RES, CHIP	15K 5% 1/10W (EXCEPT SE500)
R185	1-216-295-91	SHORT	0	R232	1-216-085-00	METAL CHIP	33K 5% 1/10W (SE500)
R186	1-216-295-91	SHORT	0	R233	1-216-065-91	RES, CHIP	4.7K 5% 1/10W (SE600B/SE700B/SE800B/SX700B)
R187	1-216-295-91	SHORT	0	R235	1-216-089-91	RES, CHIP	47K 5% 1/10W
R188	1-216-295-91	SHORT	0	R236	1-216-089-91	RES, CHIP	47K 5% 1/10W
R189	1-216-049-91	RES, CHIP	1K 5% 1/10W	R270	1-216-041-00	METAL CHIP	470 5% 1/10W (EXCEPT SE350/SE500)
R190	1-216-061-00	METAL CHIP	3.3K 5% 1/10W (EXCEPT SE350/SE500/SE700R)	R270	1-216-043-91	RES, CHIP	560 5% 1/10W (SE500)
R191	1-216-061-00	METAL CHIP	3.3K 5% 1/10W	R271	1-216-041-00	METAL CHIP	470 5% 1/10W (EXCEPT SE350/SE500)
R192	1-216-295-91	SHORT	0 (EXCEPT SE350/SE500)	R271	1-216-043-91	RES, CHIP	560 5% 1/10W (SE350/SE500)
R193	1-216-097-91	RES, CHIP	100K 5% 1/10W (EXCEPT SE350/SE500)	R272	1-216-055-00	METAL CHIP	1.8K 5% 1/10W (SE350)
R194	1-216-049-91	RES, CHIP	1K 5% 1/10W (EXCEPT SE350/SE500)	R272	1-216-057-00	METAL CHIP	2.2K 5% 1/10W (EXCEPT SE350/SE500)
R196	1-216-061-00	METAL CHIP	3.3K 5% 1/10W	R272	1-216-059-00	METAL CHIP	2.7K 5% 1/10W (SE500)
R200	1-216-073-00	METAL CHIP	10K 5% 1/10W	R273	1-216-295-91	SHORT	0
R203	1-216-055-00	METAL CHIP	1.8K 5% 1/10W	R274	1-216-065-91	RES, CHIP	4.7K 5% 1/10W (SE500)
R204	1-216-037-00	METAL CHIP	330 5% 1/10W	R274	1-216-067-00	METAL CHIP	5.6K 5% 1/10W (EXCEPT SE500)
R205	1-216-037-00	METAL CHIP	330 5% 1/10W	R275	1-216-089-91	RES, CHIP	47K 5% 1/10W (EXCEPT SE350/SE500)
R206	1-216-045-00	METAL CHIP	680 5% 1/10W (EXCEPT SE350)	R276	1-216-071-00	METAL CHIP	8.2K 5% 1/10W (SE500)
R206	1-216-047-91	RES, CHIP	820 5% 1/10W (SE350)	R276	1-216-073-00	METAL CHIP	10K 5% 1/10W (EXCEPT SE350/SE500)
R207	1-216-047-91	RES, CHIP	820 5% 1/10W (SE350)	R276	1-216-077-91	RES, CHIP	15K 5% 1/10W (SE350)
R207	1-216-059-00	METAL CHIP	2.7K 5% 1/10W (SE600/SX600)	R277	1-216-081-00	METAL CHIP	22K 5% 1/10W
R207	1-216-061-00	METAL CHIP	3.3K 5% 1/10W (SE500)	R278	1-216-081-00	METAL CHIP	22K 5% 1/10W
R207	1-216-063-91	RES, CHIP	3.9K 5% 1/10W (SE650/SE700/SE800/SX700/SX800)	R279	1-216-081-00	METAL CHIP	22K 5% 1/10W
R208	1-216-065-91	RES, CHIP	4.7K 5% 1/10W	R280	1-216-097-91	RES, CHIP	100K 5% 1/10W
R209	1-216-055-00	METAL CHIP	1.8K 5% 1/10W	R283	1-216-295-91	SHORT	0
R210	1-216-043-91	RES, CHIP	560 5% 1/10W	R284	1-216-295-91	SHORT	0
R211	1-216-071-00	METAL CHIP	8.2K 5% 1/10W	R286	1-216-025-91	RES, CHIP	100 5% 1/10W
R212	1-216-051-00	METAL CHIP	1.2K 5% 1/10W	R301	1-216-073-00	METAL CHIP	10K 5% 1/10W (EXCEPT SE350/SE500)
R213	1-216-041-00	METAL CHIP	470 5% 1/10W				
R214	1-216-041-00	METAL CHIP	470 5% 1/10W				
R215	1-216-025-91	RES, CHIP	100 5% 1/10W				
R216	1-216-105-91	RES, CHIP	220K 5% 1/10W (EXCEPT SE350/SE500)				
R216	1-216-109-00	METAL CHIP	330K 5% 1/10W (SE500)				
R216	1-216-117-00	METAL CHIP	680K 5% 1/10W (SE350)				

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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R302	1-216-079-00	METAL CHIP	18K 5% 1/10W (EXCEPT SE350/SE500)	R381	1-216-067-00	METAL CHIP	5.6K 5% 1/10W (SE500/SE800/SX800)
R304	1-216-049-91	RES, CHIP	1K 5% 1/10W (EXCEPT SE350/SE500)	R382	1-217-671-11	METAL CHIP	1 5% 1/10W
R305	1-216-049-91	RES, CHIP	1K 5% 1/10W (EXCEPT SE350/SE500)	R383	1-216-031-00	METAL CHIP	180 5% 1/10W
R306	1-216-083-00	METAL CHIP	27K 5% 1/10W (EXCEPT SE350/SE500)	R390	1-216-083-00	METAL CHIP	27K 5% 1/10W (SE500/SE800/SX800)
R307	1-216-057-00	METAL CHIP	2.2K 5% 1/10W (EXCEPT SE350/SE500)	R391	1-249-394-11	CARBON	12 5% 1/4W (SE500/SE800/SX800)
R308	1-208-820-11	METAL CHIP	39K 0.5% 1/10W (EXCEPT SE350/SE500)	R392	1-216-073-00	METAL CHIP	10K 5% 1/10W (SE500/SE800/SX800)
R309	1-216-079-00	METAL CHIP	18K 5% 1/10W (EXCEPT SE350/SE500)	R420	1-216-295-91	SHORT	0
R310	1-216-079-00	METAL CHIP	18K 5% 1/10W (EXCEPT SE350/SE500)	R421	1-216-295-91	SHORT	0
R311	1-216-057-00	METAL CHIP	2.2K 5% 1/10W (EXCEPT SE350/SE500)	R422	1-216-049-91	RES, CHIP	1K 5% 1/10W
R312	1-216-083-00	METAL CHIP	27K 5% 1/10W (EXCEPT SE350/SE500)	R423	1-216-295-91	SHORT	0
R313	1-216-133-00	METAL CHIP	3.3M 5% 1/10W (EXCEPT SE350/SE500)	R424	1-216-041-00	METAL CHIP	470 5% 1/10W (EXCEPT SE350/SE600/SX600)
R315	1-216-033-00	METAL CHIP	220 5% 1/10W (EXCEPT SE350/SE500)	R425	1-216-041-00	METAL CHIP	470 5% 1/10W (SE500K/SE800/SX800)
R316	1-216-033-00	METAL CHIP	220 5% 1/10W (EXCEPT SE350/SE500)	R427	1-216-017-91	RES, CHIP	47 5% 1/10W
R322	1-216-295-91	SHORT	0 (EXCEPT SE350/SE500)	R460	1-216-073-00	METAL CHIP	10K 5% 1/10W
R323	1-216-065-91	RES, CHIP	4.7K 5% 1/10W (SE800/SX800)	R461	1-216-037-00	METAL CHIP	330 5% 1/10W
R324	1-216-065-91	RES, CHIP	4.7K 5% 1/10W (SE800/SX800)	R462	1-216-049-91	RES, CHIP	1K 5% 1/10W
R325	1-216-079-00	METAL CHIP	18K 5% 1/10W (EXCEPT SE350/SE500/SE600: A, N/SE700R)	R463	1-216-053-00	METAL CHIP	1.5K 5% 1/10W
R326	1-216-079-00	METAL CHIP	18K 5% 1/10W (EXCEPT SE350/SE500/SE600: A, N/SE700R)	R465	1-216-061-00	METAL CHIP	3.3K 5% 1/10W
R329	1-216-041-00	METAL CHIP	470 5% 1/10W (EXCEPT SE350/SE500)	R466	1-216-065-91	RES, CHIP	4.7K 5% 1/10W
R350	1-216-093-91	RES, CHIP	68K 5% 1/10W	R467	1-216-069-00	METAL CHIP	6.8K 5% 1/10W
R351	1-216-067-00	METAL CHIP	5.6K 5% 1/10W	R468	1-216-077-91	RES, CHIP	15K 5% 1/10W
R352	1-216-093-91	RES, CHIP	68K 5% 1/10W (SE500)	R469	1-216-089-91	RES, CHIP	47K 5% 1/10W
R353	1-216-067-00	METAL CHIP	5.6K 5% 1/10W (SE500)	R470	1-216-073-00	METAL CHIP	10K 5% 1/10W
R354	1-216-129-00	METAL CHIP	2.2M 5% 1/10W	R471	1-216-037-00	METAL CHIP	330 5% 1/10W
R355	1-216-093-91	RES, CHIP	68K 5% 1/10W (SE350/SE500)	R477	1-216-069-00	METAL CHIP	6.8K 5% 1/10W
R356	1-216-067-00	METAL CHIP	5.6K 5% 1/10W (SE350/SE500)	R478	1-216-077-91	RES, CHIP	15K 5% 1/10W
R357	1-216-071-00	METAL CHIP	8.2K 5% 1/10W	R479	1-216-089-91	RES, CHIP	47K 5% 1/10W (SE500K/SE800/SX800)
R358	1-216-055-00	METAL CHIP	1.8K 5% 1/10W	R500	1-216-041-00	METAL CHIP	470 5% 1/10W
R359	1-216-065-91	RES, CHIP	4.7K 5% 1/10W	R501	1-216-041-00	METAL CHIP	470 5% 1/10W
R362	1-216-051-00	METAL CHIP	1.2K 5% 1/10W	R502	1-216-041-00	METAL CHIP	470 5% 1/10W
R363	1-216-079-00	METAL CHIP	18K 5% 1/10W	R503	1-216-041-00	METAL CHIP	470 5% 1/10W (EXCEPT SE350/SE500)
R364	1-216-035-00	METAL CHIP	270 5% 1/10W	R509	1-216-065-91	RES, CHIP	4.7K 5% 1/10W (SE500R/SE650/SE700/SE800/SX700/SX800)
R365	1-216-109-00	METAL CHIP	330K 5% 1/10W	R510	1-249-407-11	CARBON	150 5% 1/4W (SE350/SE500/SE700R)
R366	1-216-073-00	METAL CHIP	10K 5% 1/10W	R510	1-249-408-11	CARBON	180 5% 1/4W (EXCEPT SE350/SE500/SE700R)
R367	1-216-069-00	METAL CHIP	6.8K 5% 1/10W	R511	1-249-407-11	CARBON	150 5% 1/4W
R368	1-216-047-91	RES, CHIP	820 5% 1/10W	R512	1-216-022-00	METAL CHIP	75 5% 1/10W
R370	1-216-075-00	METAL CHIP	12K 5% 1/10W	R514	1-216-037-00	METAL CHIP	330 5% 1/10W
R371	1-216-079-00	METAL CHIP	18K 5% 1/10W	R515	1-216-049-91	RES, CHIP	1K 5% 1/10W
R380	1-216-017-91	RES, CHIP	47 5% 1/10W	R516	1-216-065-91	RES, CHIP	4.7K 5% 1/10W
R381	1-216-063-91	RES, CHIP	3.9K 5% 1/10W (EXCEPT SE500/SE800/SX800)	R517	1-216-022-00	METAL CHIP	75 5% 1/10W
				R518	1-216-065-91	RES, CHIP	4.7K 5% 1/10W (SE650/SE700/SE800/SX700/SX800)
				R520	1-216-022-00	METAL CHIP	75 5% 1/10W (SE500R/SE700R/SE800K)
				R521	1-249-408-11	CARBON	180 5% 1/4W (SE500R/SE700R/SE800K)
				R522	1-216-025-91	RES, CHIP	100 5% 1/10W (SE500R/SE700R/SE800K)
				R524	1-249-407-11	CARBON	150 5% 1/4W (SE500R/SE700R/SE800K)

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R541	1-216-025-91	RES, CHIP (EXCEPT SE350/SE500R/SE600: A, N/ SE700: G, I, R/SE800G)	100 5% 1/10W	R595	1-216-057-00	METAL CHIP	2.2K 5% 1/10W (SE500K)
R542	1-249-408-11	CARBON (EXCEPT SE350/SE500R/SE600: A, N/ SE700: G, I, R/SE800G)	180 5% 1/4W	R596	1-216-077-91	RES, CHIP	15K 5% 1/10W (SE500K)
R543	1-249-407-11	CARBON (EXCEPT SE350/SE500R/SE600: A, N/ SE700: G, I, R/SE800G)	150 5% 1/4W	R611	1-216-049-91	RES, CHIP (EXCEPT SE350/SE500R/SE600: A, N/SE700R)	1K 5% 1/10W
R545	1-216-085-00	METAL CHIP (EXCEPT SE350/SE500R/SE600: A, N/ SE700: G, I, R)	33K 5% 1/10W	R615	1-216-047-91	RES, CHIP (EXCEPT SE350/SE500R/SE600: A, N/SE700R)	820 5% 1/10W
R546	1-216-089-91	RES, CHIP (EXCEPT SE350/SE500R/SE600: A, N/ SE700: G, I, R)	47K 5% 1/10W	R617	1-216-049-91	RES, CHIP	1K 5% 1/10W
R547	1-216-049-91	RES, CHIP (EXCEPT SE350/SE500R/SE600: A, N/ SE700: G, I, R/SE800G)	1K 5% 1/10W	R618	1-216-055-00	METAL CHIP	1.8K 5% 1/10W
R548	1-216-022-00	METAL CHIP (EXCEPT SE350/SE500R/SE600: A, N/SE700R)	75 5% 1/10W	R624	1-216-073-00	METAL CHIP	10K 5% 1/10W
R549	1-216-022-00	METAL CHIP (EXCEPT SE350/SE500R/SE600: A, N/ SE700: G, I, R/SE800G)	75 5% 1/10W	R625	1-216-065-91	RES, CHIP	4.7K 5% 1/10W
R570	1-216-041-00	METAL CHIP (EXCEPT SE350/SE500R/SE600: A, N/SE700R)	470 5% 1/10W	R626	1-216-049-91	RES, CHIP	1K 5% 1/10W
R571	1-216-041-00	METAL CHIP (EXCEPT SE350/SE500R/SE600: A, N/SE700R)	470 5% 1/10W	R627	1-216-121-91	RES, CHIP	1M 5% 1/10W
R572	1-216-041-00	METAL CHIP (EXCEPT SE350/SE500R/SE600: A, N/ SE700: G, I, R/SE800G)	470 5% 1/10W	R660	1-216-049-91	RES, CHIP	1K 5% 1/10W
R573	1-216-041-00	METAL CHIP (EXCEPT SE350/SE500R/SE600: A, N/ SE700: G, I, R/SE800G)	470 5% 1/10W	R661	1-216-121-91	RES, CHIP	1M 5% 1/10W
R574	1-216-097-91	RES, CHIP (EXCEPT SE350/SE500R/SE600: A, N/ SE700: G, I, R/SE800G)	100K 5% 1/10W	R662	1-216-041-00	METAL CHIP	470 5% 1/10W
R575	1-216-097-91	RES, CHIP (EXCEPT SE350/SE500R/SE600: A, N/ SE700: G, I, R/SE800G)	100K 5% 1/10W	R663	1-216-053-00	METAL CHIP	1.5K 5% 1/10W
R580	1-216-049-91	RES, CHIP (SE350/SE500)	1K 5% 1/10W	R664	1-216-295-91	SHORT	0
R580	1-216-295-91	SHORT	0 (EXCEPT SE350/SE500)	R666	1-216-295-91	SHORT	0
R581	1-216-065-91	RES, CHIP (SE350/SE500)	4.7K 5% 1/10W	R667	1-216-037-00	METAL CHIP	330 5% 1/10W
R582	1-216-073-00	METAL CHIP (SE500K)	10K 5% 1/10W	R668	1-216-025-91	RES, CHIP	100 5% 1/10W
R583	1-216-073-00	METAL CHIP (SE500K)	10K 5% 1/10W	R669	1-216-025-91	RES, CHIP	100 5% 1/10W
R584	1-216-073-00	METAL CHIP (SE500K)	10K 5% 1/10W	R670	1-216-041-00	METAL CHIP	470 5% 1/10W
R585	1-216-097-91	RES, CHIP (SE500K)	100K 5% 1/10W	R671	1-216-295-91	SHORT	0
R586	1-216-097-91	RES, CHIP (SE500K)	100K 5% 1/10W	R672	1-216-049-91	RES, CHIP (SE350/SE500/SE600: B, K, N, R /SE800: B, K, N/SX700B)	1K 5% 1/10W
R587	1-216-097-91	RES, CHIP (SE500K)	100K 5% 1/10W	R700	1-216-057-00	METAL CHIP	2.2K 5% 1/10W (SE700R)
R590	1-216-049-91	RES, CHIP	1K 5% 1/10W	R701	1-216-073-00	METAL CHIP	10K 5% 1/10W (SE700R)
R591	1-216-049-91	RES, CHIP (EXCEPT SE350/SE500)	1K 5% 1/10W	R702	1-216-295-91	SHORT	0 (EXCEPT SE700R)
R592	1-216-049-91	RES, CHIP (EXCEPT SE350/SE500)	1K 5% 1/10W	R703	1-216-025-91	RES, CHIP	100 5% 1/10W (SE700R)
R593	1-216-097-91	RES, CHIP (SE500K)	100K 5% 1/10W	R704	1-216-025-91	RES, CHIP	100 5% 1/10W
R594	1-216-073-00	METAL CHIP (SE500K)	10K 5% 1/10W	R705	1-216-033-00	METAL CHIP	220 5% 1/10W
				R711	1-212-897-00	FUSIBLE	470 5% 1/4W
				R713	1-216-025-91	RES, CHIP	100 5% 1/10W
				R714	1-216-113-00	METAL CHIP	470K 5% 1/10W
				R720	1-216-049-91	RES, CHIP	1K 5% 1/10W (SE700R)
				R721	1-216-049-91	RES, CHIP	1K 5% 1/10W (SE700R)
				R722	1-216-049-91	RES, CHIP	1K 5% 1/10W (SE700R)
				R723	1-216-097-91	RES, CHIP	100K 5% 1/10W
				R724	1-216-061-00	METAL CHIP	3.3K 5% 1/10W
				R725	1-216-081-00	METAL CHIP	22K 5% 1/10W
				R726	1-216-097-91	RES, CHIP	100K 5% 1/10W
				R730	1-216-041-00	METAL CHIP (EXCEPT SE350/SE500/SE700R)	470 5% 1/10W
				R731	1-216-041-00	METAL CHIP (EXCEPT SE350/SE500/SE700: G, R/SE800G)	470 5% 1/10W
				R732	1-216-041-00	METAL CHIP (EXCEPT SE350/SE500/SE700R)	470 5% 1/10W
				R733	1-216-041-00	METAL CHIP (EXCEPT SE700G/SE800G)	470 5% 1/10W
				R754	1-216-025-91	RES, CHIP	100 5% 1/10W
				R755	1-216-025-91	RES, CHIP	100 5% 1/10W
				R756	1-216-073-00	METAL CHIP	10K 5% 1/10W
				R757	1-216-049-91	RES, CHIP	1K 5% 1/10W

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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R800	1-216-101-00	METAL CHIP 150K 5% 1/10W (EXCEPT SE600/SE700R/SX600)		R980	1-216-097-91	RES, CHIP 100K 5% 1/10W (SE600B/SE700B/SE800B/SX700B)	
R801	1-216-073-00	METAL CHIP 10K 5% 1/10W (EXCEPT SE600/SE700R/SX600)		R981	1-216-083-00	METAL CHIP 27K 5% 1/10W (SE600B/SE700B/SE800B/SX700B)	
R802	1-216-073-00	METAL CHIP 10K 5% 1/10W (EXCEPT SE600/SE700R/SX600)		R982	1-216-089-91	RES, CHIP 47K 5% 1/10W (SE600B/SE700B/SE800B/SX700B)	
R803	1-216-081-00	METAL CHIP 22K 5% 1/10W (EXCEPT SE600/SE700R/SX600)		R983	1-216-067-00	METAL CHIP 5.6K 5% 1/10W (SE600B/SE700B/SE800B/SX700B)	
R804	1-216-073-00	METAL CHIP 10K 5% 1/10W (EXCEPT SE600/SE700R/SX600)		R985	1-216-041-00	METAL CHIP 470 5% 1/10W (SE600B/SE700B/SE800B/SX700B)	
R805	1-216-073-00	METAL CHIP 10K 5% 1/10W (EXCEPT SE600/SE700R/SX600)		R986	1-216-089-91	RES, CHIP 47K 5% 1/10W (SE600B/SE700B/SE800B/SX700B)	
R806	1-216-073-00	METAL CHIP 10K 5% 1/10W (EXCEPT SE600/SE700R/SX600)		R988	1-216-077-91	RES, CHIP 15K 5% 1/10W (SE600B/SE700B/SE800B/SX700B)	
R807	1-216-085-00	METAL CHIP 33K 5% 1/10W (EXCEPT SE600/SE700R/SX600)		R989	1-216-049-91	RES, CHIP 1K 5% 1/10W (SE600B/SE700B/SE800B/SX700B)	
R813	1-216-073-00	METAL CHIP 10K 5% 1/10W (EXCEPT SE600/SE700R/SX600)		R990	1-216-295-91	SHORT 0 (SE600B/SE700B/SE800B/SX700B)	
R850	1-216-025-91	RES, CHIP 100 5% 1/10W (EXCEPT SE500R/SE600/SE700R/SX600)		R993	1-216-071-00	METAL CHIP 8.2K 5% 1/10W (SE600B/SE700B/SE800B/SX700B)	
R851	1-216-077-91	RES, CHIP 15K 5% 1/10W (EXCEPT SE500R/SE600/SE700R/SX600)		R994	1-216-689-11	METAL CHIP 39K 0.5% 1/10W (SE600B/SE700B/SE800B/SX700B)	
R852	1-216-081-00	METAL CHIP 22K 5% 1/10W (EXCEPT SE500R/SE600/SE700R/SX600)		R995	1-216-073-00	METAL CHIP 10K 5% 1/10W (SE600B/SE700B/SE800B/SX700B)	
R853	1-216-049-91	RES, CHIP 1K 5% 1/10W (EXCEPT SE500R/SE600/SE700R/SX600)		R996	1-216-689-11	METAL CHIP 39K 0.5% 1/10W (SE600B/SE700B/SE800B/SX700B)	
R856	1-216-097-91	RES, CHIP 100K 5% 1/10W (EXCEPT SE500R/SE600/SE700R/SX600)		R997	1-216-073-00	METAL CHIP 10K 5% 1/10W (SE600B/SE700B/SE800B/SX700B)	
R857	1-216-069-00	METAL CHIP 6.8K 5% 1/10W (EXCEPT SE500R/SE600/SE700R/SX600)		R998	1-216-073-00	METAL CHIP 10K 5% 1/10W (SE600B/SE700B/SE800B/SX700B)	
R858	1-216-069-00	METAL CHIP 6.8K 5% 1/10W (EXCEPT SE500R/SE600/SE700R/SX600)		R999	1-216-295-91	SHORT 0 (SE600B/SE700B/SE800B/SX700B)	
R859	1-216-123-11	METAL CHIP 1.2M 5% 1/10W (EXCEPT SE500R/SE600/SE700R/SX600)				< SWITCH >	
R860	1-216-123-11	METAL CHIP 1.2M 5% 1/10W (EXCEPT SE500R/SE600/SE700R/SX600)		S100	1-771-155-11	SWITCH, ROTARY (CAM ENCODER)	
R861	1-216-117-00	METAL CHIP 680K 5% 1/10W (EXCEPT SE500R/SE600/SE700R/SX600)		S101	1-571-958-11	SWITCH, PUSH (1 KEY) (REC PROOF)	
R862	1-216-057-00	METAL CHIP 2.2K 5% 1/10W (EXCEPT SE500R/SE600/SE700R/SX600)		S460	1-771-574-21	SWITCH, TACTILE (I/⊂)	
R968	1-216-101-00	METAL CHIP 150K 5% 1/10W (SE600B/SE700B/SE800B/SX700B)		S461	1-771-574-21	SWITCH, TACTILE (≡ EJECT)	
R969	1-216-069-00	METAL CHIP 6.8K 5% 1/10W (SE600B/SE700B/SE800B/SX700B)		S463	1-771-574-21	SWITCH, TACTILE (PROGRAM/TRACKING +)	
R970	1-216-085-00	METAL CHIP 33K 5% 1/10W (SE600B/SE700B/SE800B/SX700B)		S464	1-771-574-21	SWITCH, TACTILE (AUDIO DUB) (SE500/SE800/SX800)	
R971	1-216-085-00	METAL CHIP 33K 5% 1/10W (SE600B/SE700B/SE800B/SX700B)		S465	1-771-574-21	SWITCH, TACTILE (RR) (SE500/SE650/SE700/SE800/SX700/SX800)	
R972	1-216-083-00	METAL CHIP 27K 5% 1/10W (SE600B/SE700B/SE800B/SX700B)		S467	1-571-588-11	SWITCH, SLIDE (NTSC PB)	
R973	1-216-105-91	RES, CHIP 220K 5% 1/10W (SE600B/SE700B/SE800B/SX700B)		S476	1-771-574-21	SWITCH, TACTILE (PROGRAM/TRACKING -)	
R974	1-216-081-00	METAL CHIP 22K 5% 1/10W (SE600B/SE700B/SE800B/SX700B)		S477	1-771-574-21	SWITCH, TACTILE (AUTO SET UP/RF CHANNEL)	
R975	1-216-295-91	SHORT 0 (SE600B/SE700B/SE800B/SX700B)		S478	1-771-574-21	SWITCH, TACTILE (SYNCHRO REC) (SE500K/SE800/SX800)	
R976	1-216-059-00	METAL CHIP 2.7K 5% 1/10W (SE600B/SE700B/SE800B/SX700B)				< TRANSFORMER >	
R977	1-216-089-91	RES, CHIP 47K 5% 1/10W (SE600B/SE700B/SE800B/SX700B)		T380	1-433-479-11	TRANSFORMER, BIAS OSCILLATION (EXCEPT SE500/SE800/SX800)	
R978	1-216-071-00	METAL CHIP 8.2K 5% 1/10W (SE600B/SE700B/SE800B/SX700B)		T380	1-433-538-11	TRANSFORMER, BIAS OSCILLATION (SE500/SE800/SX800)	
R979	1-216-073-00	METAL CHIP 10K 5% 1/10W (SE600B/SE700B/SE800B/SX700B)		T390	1-433-537-11	TRANSFORMER, BIAS OSCILLATION (SE500/SE800/SX800)	
						< TUNER >	
				TU701	1-693-480-11	TUNER, IF (BTF-2MC422) (SE350/SE500/SE700R)	
				TU702	1-693-436-51	TUNER, IF (BTF-3WC428) (SE600: E, N/SE700: E1, E2, I, N/ SE800: E, N/SX600/SX700E)	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
TU702	1-693-437-51	TUNER, IF (BTF-3WU604) (SE700G/SE800G)		△ D103	9-880-927-01	DIODE 1N4005	
TU702	1-693-438-51	TUNER, IF (BTF-3WC446)		△ D104	9-880-927-01	DIODE 1N4005	
		(SE600B/SE700B/SE800B/SX700B)		D151	9-885-001-77	DIODE P6KE300	
TU702	1-693-439-61	TUNER, IF (BTF-3WC429)		D152	9-885-001-78	DIODE UF4007	
		(SE600A/SE650/SE700: D1, D2, K/ SE800: D1, D2, K/SX700D/SX800)		D153	9-885-001-79	DIODE 1SS119	
< VIBRATOR >				D154	9-885-001-80	DIODE PR1003	
X160	1-579-463-11	VIBRATOR, CRYSTAL (32.768kHz)		D158	9-880-991-01	DIODE MA4270	
X161	1-781-717-21	VIBRATOR, CRYSTAL (17.734475MHz)		D203	9-885-001-86	DIODE MTZJ5.1	
X200	1-579-608-21	VIBRATOR, CRYSTAL (4.43MHz)		D204	9-885-001-79	DIODE 1SS119	
				D205	9-885-001-79	DIODE 1SS119	
				D251	9-885-001-80	DIODE PR1003	
				D252	9-885-001-87	DIODE UF3DL	
				D253	9-885-001-88	DIODE SB340L	
	1-468-458-11	POWER BLOCK (SRV938EK)		D254	9-885-001-80	DIODE PR1003	
		*****		D301	9-885-001-87	DIODE UF3DL	
			(Ref.No. 2,000 Series)	D302	9-885-001-89	DIODE D2S4M	
				D303	9-885-001-90	DIODE MTZJ20	
				D304	9-885-001-89	DIODE D2S4M	
				< FUSE >			
△ C101	9-885-001-69	METAL	0.1uF				
△ C102	9-885-001-69	METAL	0.1uF				
△ C103	9-885-001-70	CERAMIC	1000PF	250V			
△ C104	9-885-001-70	CERAMIC	1000PF	250V			
△ C105	9-885-001-70	CERAMIC	1000PF	250V			
△ C108	9-885-001-70	CERAMIC	1000PF	250V			
△ C109	9-885-001-70	CERAMIC	1000PF	250V			
C151	9-885-001-81	ELECT	47uF	400V			
C153	1-163-015-91	CERAMIC CHIP	3300PF				
C155	1-126-965-91	ELECT	22uF	50V			
C156	1-126-960-91	ELECT	1uF	50V			
C157	1-163-009-91	CERAMIC CHIP	1000PF				
C158	1-163-273-91	CERAMIC CHIP	820PF				
C159	1-163-251-91	CERAMIC CHIP	100PF				
C160	1-163-021-91	CERAMIC CHIP	10000PF				
C161	1-163-009-91	CERAMIC CHIP	1000PF				
C201	9-885-001-91	ELECT	220uF	25V			
C202	1-126-925-91	ELECT	470uF	10V			
C203	1-126-934-91	ELECT	220uF	16V			
C206	1-126-947-91	ELECT	47uF	35V			
C207	1-126-964-91	ELECT	10uF	50V			
C208	1-126-925-91	ELECT	470uF	10V			
C209	1-163-021-91	CERAMIC	0.01uF	50V			
C212	1-163-021-91	CERAMIC	0.01uF	50V			
C213	1-126-956-91	ELECT	0.1uF	50V			
C251	1-126-967-91	ELECT	47uF	50V			
C252	1-111-065-11	ELECT	680uF	25V			
C253	1-111-016-91	ELECT	1200uF	10V			
C254	9-885-001-92	ELECT	470uF	25V			
C261	1-164-489-91	CERAMIC CHIP	0.22uF	16V			
C301	1-111-118-91	ELECT	220uF	50V			
C303	1-126-965-91	ELECT	22uF	50V			
< CONNECTOR >							
△ CN101	1-580-230-11	CONNECTOR					
CN201	1-778-675-21	CONNECTOR 19P					
CN202	1-793-674-21	CONNECTOR 7P					
< DIODE >							
△ D101	9-880-927-01	DIODE 1N4005					
△ D102	9-880-927-01	DIODE 1N4005					

The components identified by mark △ or dotted line with mark △ are critical for safety.
Replace only with part number specified.

POWER BLOCK

Ref. No.	Part No.	Description	Remark
Q304	8-729-139-97	TRANSISTOR 2SC2785	
△ Q305	8-729-141-01	TRANSISTOR 2SB733	
Q306	9-885-001-84	TRANSISTOR DTC143EKA	
Q307	9-885-001-85	TRANSISTOR 2SA1015	
< RESISTOR >			
△ R101	9-885-001-71	CARBON 1M	1/2W
R151	1-247-903-91	CARBON 1M	1/4W
R152	1-247-903-91	CARBON 1M	1/4W
R155	1-216-073-21	RES, CHIP 10K	1/10W
R156	1-259-880-91	CARBON 2.2M	1/4W
R157	1-259-880-91	CARBON 2.2M	1/4W
R158	1-247-805-91	CARBON 82	1/4W
R159	1-249-397-11	CARBON 22	1/4W F
R160	1-247-795-91	CARBON 33	1/4W
R161	1-216-085-21	RES, CHIP 33K	1/10W
R162	1-216-085-21	RES, CHIP 33K	1/10W
R163	1-216-063-21	RES, CHIP 3.9K	1/10W
R164	1-247-861-91	CARBON 18K	1/4W
R201	1-216-049-21	RES, CHIP 1K	1/10W
R203	1-216-452-21	METAL 180	2W
R206	1-216-053-21	RES, CHIP 1.5K	1/10W
R207	1-247-615-91	CARBON 220	1/4W
R208	1-247-615-91	CARBON 220	1/4W
R209	1-247-615-91	CARBON 220	1/4W
R210	1-216-049-21	RES, CHIP 1K	1/10W
R213	1-216-089-21	RES, CHIP 47K	1/10W
R216	1-216-065-21	RES, CHIP 4.7K	1/10W
R217	1-215-857-81	METAL 10	1W
R218	1-215-908-81	METAL 33	3W
R219	1-247-847-91	CARBON 4.7K	1/4W
R220	1-216-065-21	RES, CHIP 4.7K	1/10W
R222	1-247-615-91	CARBON 220	1/4W
R251	1-249-402-11	CARBON 56	1/4W F
R261	1-216-049-21	RES, CHIP 1K	1/10W
R263	1-216-079-21	RES, CHIP 18K	1/10W
R264	1-216-077-21	RES, CHIP 15K	1/10W
R265	1-216-073-21	RES, CHIP 10K	1/10W
R266	1-216-061-21	RES, CHIP 3.3K	1/10W
R301	1-216-073-21	RES, CHIP 10K	1/10W
R302	1-215-869-81	METAL 1K	1W
R306	1-216-073-21	RES, CHIP 10K	1/10W
R307	1-215-869-81	METAL 1K	1W
R308	1-216-049-21	RES, CHIP 1K	1/10W
R311	1-247-885-91	CARBON 10K	1/4W
R312	1-215-880-81	METAL 10	2W
R313	1-215-880-81	METAL 10	2W
R314	1-215-892-81	METAL 1K	2W
R315	1-215-892-81	METAL 1K	2W
R316	1-247-879-91	CARBON 100K	1/4W
< TRANSFORMER >			
△ T151	9-885-001-76	TRANSFORMER, POWER	
< VARIABLE RESISTOR >			
VR251	1-241-629-11	VARIABLE RESISTOR 5K	

Ref. No.	Part No.	Description	Remark
		< VARISTOR >	
△ Z101	9-880-928-01	VARISTOR ERZV10D751	
MISCELLANEOUS *****			
13	1-792-020-11	CABLE, FLAT (FDS-7) (SE500/SE800/SX800)	
13	1-792-021-11	CABLE, FLAT (FDS-8) (EXCEPT SE500/SE800/SX800)	
15	1-762-844-31	SWITCH, ROTARY (SE500/SE800/SX800)	
56	1-792-022-11	CABLE, FLAT (FFM-001)	
57	1-792-018-11	CABLE, FLAT (FAC-8)	
△ 58	1-782-012-11	CORD, POWER	
704	1-500-144-11	HEAD, FE	
721	A-6775-791-A	HEAD BLOCK ASSY, ACE FFC	
768	1-772-361-11	DRUM ASSY, DZH-92D (SE350)	
768	1-772-362-11	DRUM ASSY, DZH-93D (SE500)	
768	1-772-364-11	DRUM ASSY, DZH0B5A (EXCEPT SE350/ SE500/SE600B/SE700B/SE800B/SX700B)	
768	1-772-365-11	DRUM ASSY, DZH0B6A (SE600B/SE700B/SE800B/SX700B)	
M902	1-698-971-11	MOTOR, DC (CAPSTAN)	
M903	X-3947-577-1	MOTOR ASSY, CAM	
***** HARDWARE LIST *****			
#1	7-685-648-79	SCREW +BVTP 3X12 TYPE2	
#2	7-682-147-01	SCREW +P 3X6	
#3	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#4	7-685-133-19	SCREW (DIA. 2.6) (IT3B)	
ACCESSORIES & PACKING MATERIALS *****			
△	1-696-593-11	CORD, CONNECTION (PAL) (1.5m)	
	1-770-019-11	ADAPTOR, CONVERSION PLUG 3P (SE700: G, I/SE800G)	
	3-868-269-11	MANUAL, INSTRUCTION (FRENCH) (SE800:D2, E)	
	3-868-269-21	MANUAL, INSTRUCTION (SPANISH)(SE800E)	
	3-868-269-31	MANUAL, INSTRUCTION (GERMAN) (SE800: D1, D2, E/SX800)	
	3-868-269-41	MANUAL, INSTRUCTION (ITALIAN) (SE800D2/SX800)	
	3-868-269-51	MANUAL, INSTRUCTION (DUTCH) (SE800: D2, E/SX800)	
	3-868-269-61	MANUAL, INSTRUCTION (PORTUGUESE) (SE800E)	
	3-868-269-71	MANUAL, INSTRUCTION (GREEK) (SE800D2)	
	3-868-270-11	MANUAL, INSTRUCTION (SWEDISH) (SE800E)	
	3-868-270-21	MANUAL, INSTRUCTION (DANISH) (SE800E)	
	3-868-270-31	MANUAL, INSTRUCTION (FINNISH) (SE800E)	
	3-868-271-11	MANUAL, INSTRUCTION (FRENCH) (SE800B)	
	3-868-272-11	MANUAL, INSTRUCTION (ENGLISH) (SE800G)	
	3-868-273-11	MANUAL, INSTRUCTION (FRENCH) (SE600E/SE700: D2, E2/SX700: D, E)	
	3-868-273-21	MANUAL, INSTRUCTION (SPANISH) (SE600E/SE700E1/SX600/SX700E)	

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
3-868-273-31		MANUAL, INSTRUCTION (GERMAN) (SE600: A, E/SE650/SE700: D1, D2, E2/SX700: D, E)	
3-868-273-41		MANUAL, INSTRUCTION (ITALIAN) (SE600A/SE700D2/SX700D)	
3-868-273-51		MANUAL, INSTRUCTION (DUTCH) (SE600: A, E/SE700: D2, E2/SX700: D, E)	
3-868-273-61		MANUAL, INSTRUCTION (PORTUGUESE) (SE700E1/SX700E)	
3-868-273-71		MANUAL, INSTRUCTION (GREEK) (SE600A/SE700D2)	
3-868-274-11		MANUAL, INSTRUCTION (SWEDISH) (SE600E/SE700E2/SX600/SX700E)	
3-868-274-21		MANUAL, INSTRUCTION (DANISH) (SE600E/SE700E2/SX600/SX700E)	
3-868-274-31		MANUAL, INSTRUCTION (FINNISH) (SE600E/SE700E2/SX600/SX700E)	
3-868-275-11		MANUAL, INSTRUCTION (ENGLISH) (SE700: G, I)	
3-868-277-11		MANUAL, INSTRUCTION (ENGLISH) (SE350/ SE500/SE600N/SE700: K, N, R/SE800: K, N)	
3-868-277-21		MANUAL, INSTRUCTION (CZECH) (SE350/SE500K/SE600N/SE700K/SE800K)	
3-868-277-31		MANUAL, INSTRUCTION (POLISH) (SE350/SE500K/SE600N/SE700N/SE800N)	
3-868-277-41		MANUAL, INSTRUCTION (HUNGARIAN) (SE350/SE500K/SE600N/SE700N/SE800N)	
3-868-277-51		MANUAL, INSTRUCTION (RUSSIAN) (SE500R/SE700R/SE800K)	
3-868-352-11		MANUAL, INSTRUCTION (FRENCH) (SE600B/SE700B/SX700B)	

