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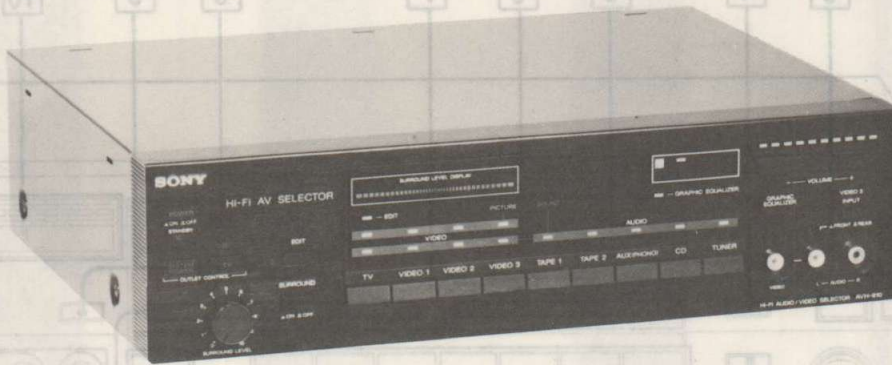
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AVH-910

SERVICE MANUAL

www.freeservicemanuals.info

AEP Model
UK Model
E Model




SPECIFICATIONS

Video input/output	Input capacity: 1.5 V p-p Output level: 1 ± 0.1 V p-p at 1 V p-p input Impedance: Unbalanced 75 ohm Sync: negative Signal-to-noise ratio: 50 dB Crosstalk: 40 dB (3.58 MHz)
Audio input/output	Input capacity: 4 V Gain: 0 dB (1 kHz) Frequency response: 20 Hz - 100 kHz ± 0 dB Input impedance: 50 kilohms Signal-to-noise ratio: 95 dB Output impedance: 1 kilohms Separation: 50 dB Crosstalk: 60 dB
Power requirements	AEP model: 220 V ac UK model: 240 V ac E model: 120, 220 or 240 V ac, adjustable
Power consumption	18 watts
AC outlet	1 switched, 300 watts max.
Dimensions	Approx. 355 x 95 x 290 mm (w/h/d) (14 $\frac{1}{8}$ x 3 $\frac{3}{4}$ x 11 $\frac{1}{2}$ inches) incl. projecting parts and controls
Weight	Approx. 3.5 kg (7 lb 12 oz) (AEP, UK model) Approx. 3.7 kg (8 lb 3 oz) (E model)

0 dB = 0.775 V

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK  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.

FEATURES

The AVH-910 is a hi-fi audio/video selector that allows you to choose very quickly and easily from a variety of audio-video program sources — CD (Compact Disc), TV, tape, hi-fi Video, and more.

System selector for the AV era

The AVH-910 has 11 input/output terminals — 5 for audio equipment, four for video equipment, and one for a monitor TV. It also has a terminal for connecting a graphic equalizer and, on the front panel, video input terminals for a portable VTR. Simply by pressing the appropriate input select button, the system is turned on and the desired audio and/or video program source is selected.

One-touch operation of a total AV system with the supplied RM-910/RM-910E Remote Commander

The universal commander system enables you to remotely control not only audio equipment but also a TV and VTR (for AEP, UK models).

Enjoyment of various AV sources

Audio tape dubbing, video tape editing, listening to or recording audio sources while viewing a video program, adding an audio source to a video program while editing it (audio dubbing), are all possible.

Surround Sound system

The built-in surround processor gives your living the acoustical characteristics of a movie theater or a concert hall.

Connecting an optional ST-V710L/ST-V910 stereo tuner

A built-in timer can turn the AVH-910 and off, and various timer operations are possible.

HIFI-AUDIO VIDEO SELECTOR
SONY®

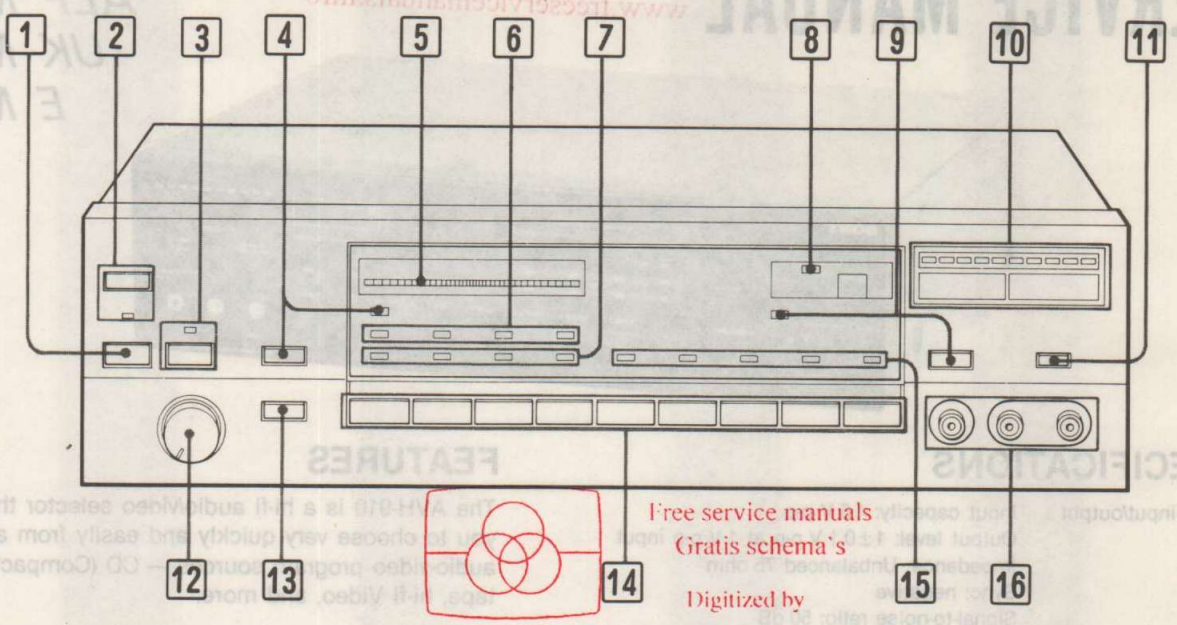


MICROFILM

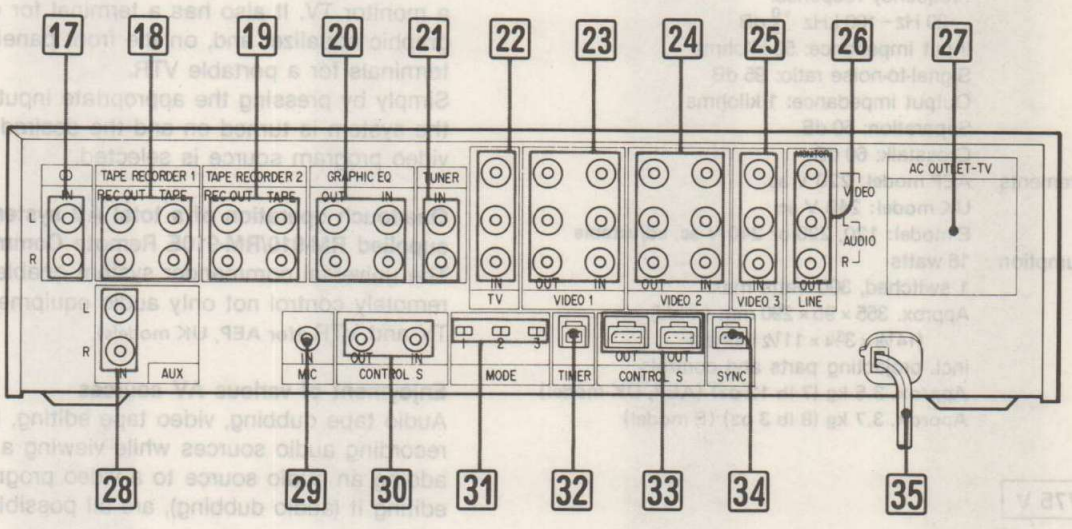
AUD

FUNCTION OF CONTROLS

FRONT PANEL



REAR PANEL



- 1 SYSTEM POWER switch**
When the STANDBY indicator illuminates, press this switch to turn the AVH-910 and the connected equipment on and off.
- 2 POWER switch and STANDBY indicator**
Press this switch to turn the power on. The STANDBY indicator lights and the unit is ready for remote control operation with the RM-910/RM-910E remote commander. Press it again to turn the power off.

- 3 TV switch and indicator**
Press this switch to turn the TV monitor or TV set on and off. The indicator illuminates when this switch is pressed.
- 4 EDIT switch and indicator**
Press this switch to record an audio source on the connected VTR. The indicator illuminates when this switch is pressed.

- 5 SURROUND LEVEL indicator**
Illuminates when the SURROUND switch is pressed to indicate the surround level controlled by the SURROUND LEVEL control.
- 6 Picture indicators**
Indicates the video equipment being used.
- 7 Sound indicators of video equipments**
Illuminates when the indicated video equipment is playing audio.
- 8 Remote sensor and indicator**
This sensor receives an infrared beam from the supplied RM-910/RM910E remote commander.
- 9 GRAPHIC EQUALIZER switch and indicator**
Press this button when using a graphic equalizer. The EQ indicator will light up. Press it again to disengage it.
Note: If this button is pressed when a graphic equalizer is not connected, the sound will not be heard.

- 10 VOLUME control buttons and indicators**
Regulate the overall sound level. Press the + button to increase the sound level, and press - button to decrease it. The indicators show the level.
- 11 VIDEO 3 INPUT select button**
Press this button to select the VTR connected to the VIDEO 3 input jacks on the front panel (□ FRONT). Press it again to release it to select the VTR connected to VIDEO 3 input jacks on the rear panel (□ REAR).
- 12 SURROUND LEVEL control**
Adjust the surround effect with this control.
- 13 SURROUND switch**
Press this switch (□ ON) before adjusting the SURROUND LEVEL control.
- 14 Input select buttons**
Press the desired audio or video program source button. The sound indicator of the selected button illuminates.

- 15 Sound indicators of audio equipment**
- 16 VIDEO 3 input jacks**
- 17 CD IN jacks (phono jack)**
- 18 TAPE RECORDER 1 REC OUT/TAPE jacks (phono jack)**
- 19 TAPE RECORDER 2 REC OUT/TAPE jacks (phono jack)**

- 20 GRAPHIC EQ (equalizer) OUT/IN jacks (phono jack)**
- 21 TUNER IN jacks (phono jack)**
- 22 TV AUDIO/VIDEO IN jacks (phono jack)**
- 23 VIDEO 1 AUDIO/VIDEO OUT/IN jacks (phono jack)**
- 24 VIDEO 2 AUDIO/VIDEO OUT/IN jacks (phono jack)**
- 25 VIDEO 3 AUDIO/VIDEO IN jacks (phono jack)**
- 26 LINE AUDIO/VIDEO OUT jacks (phono jack)**
- 27 AC OUTLET for TV (SWITCHED)**
- 28 AUX (auxiliary) IN jacks (phono jack)**
- 29 MIC (microphone) input jack (minijack)**
Connect this jack to the microphone output jack of the Sony TA-V710/V910 amplifier using the supplied connecting cord.

- 30 CONTROL S OUT/IN remote control jacks (minijack)**
Used for remote control operation of video equipments.
- 31 MODE switches**
Used for remote control operation.
- 32 TIMER control connector (2-pin)**
Connect this to the TIMER control connector of the Sony ST-V710LV910 timer tuner using the supplied timer control connecting cord.
- 33 CONTROL S OUT remote control connectors (4-pin)**
Connect to the 4-pin CONTROL S IN connector of audio equipment to operate it by remote control.
- 34 SYNC (synchronized) remote control connector (3-pin)**
Connect to the SYNC remote control connector of a Sony turntable system such as the PS-LX910, PS-LX70, etc. in order to synchronize the recording of a cassette-deck and a turntable system.
- 35 AC power cord**
See page 5 for connection.

SYSTEM CONNECTION

CONNECTION NOTES

- The power cord should be connected last of all. Before connecting it, be sure to turn the system power off.
- When connecting audio and video equipment, note that the red jacks of the AVH-910 are for right-channel audio connections, the white jacks for left-channel audio connections, and the yellow jacks for video connections.

- Insert connectors and plugs firmly, as loose connections may cause hum and noise. Also, keep connecting cords away from power cord and speaker cords to avoid hum pick-up, and keep cord away from antenna leads as this could cause both audio video reception interference.

After all the connections have been completed, turn on the system power of the connected equipment (TV monitor, CD player, VTR, etc.).

CONNECTING CORDS

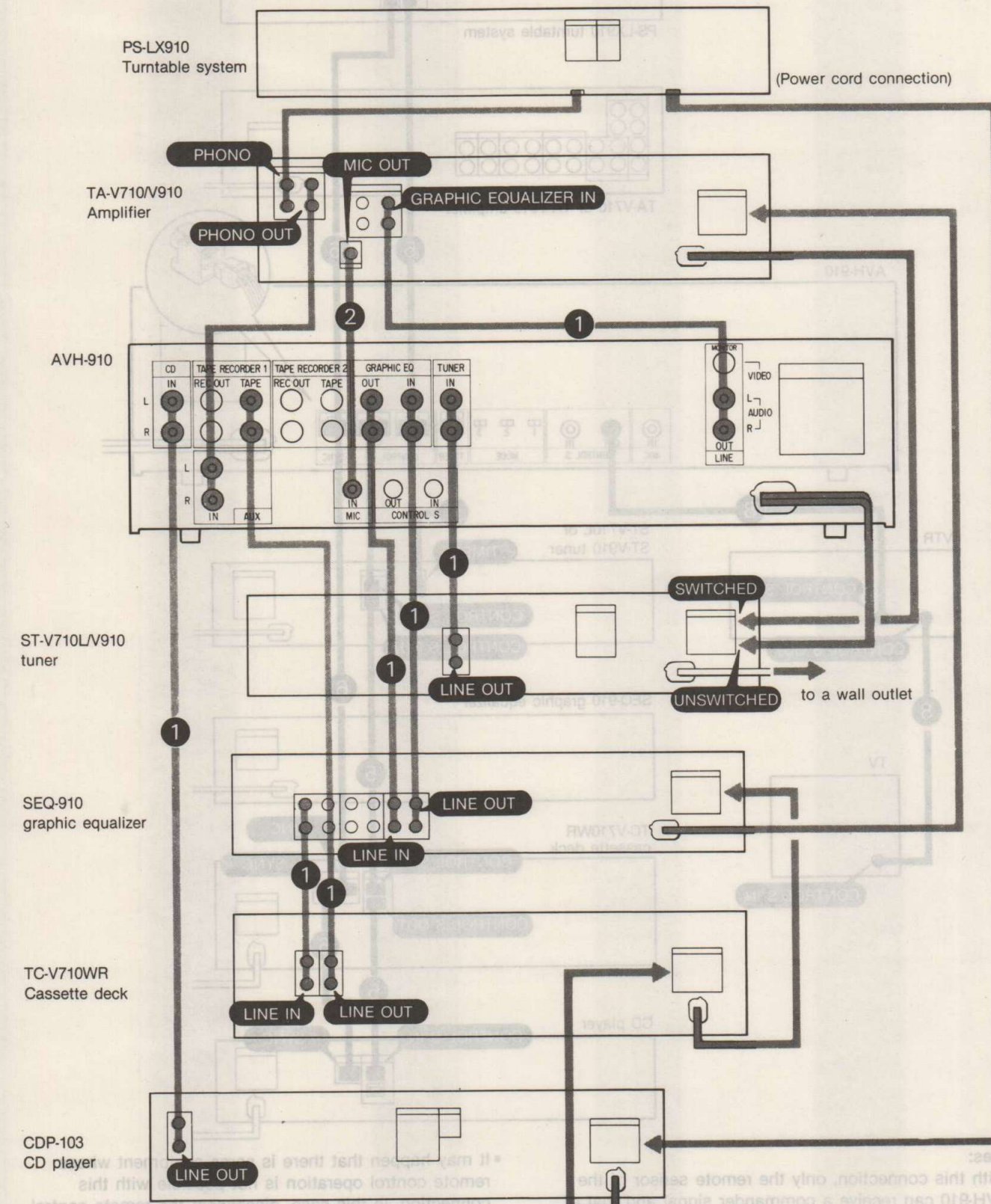
For connection, use the supplied or optional connecting cords listed below. The numbers in the connection diagram are keyed to those in the list.

<p>1</p> <p>White Red (2 phono plugs ↔ 2 phono plugs)</p> <p>Supplied with the AVH-910 or other audio equipment or optional RK-74A connecting cord</p>	<p>4</p> <p>Yellow (phono plug ↔ phono plug)</p> <p>Optional Sony VMC-1S connecting cord</p>
<p>2</p> <p>(phono plug ↔ miniplug)</p> <p>Supplied microphone connecting cord</p>	<p>5</p> <p>4-pin remote control cord supplied with the AVH-910 or Sony audio products equipped with CONTROL S connectors</p>
<p>3</p> <p>White Red Yellow (3 phono plugs ↔ 3 phono plugs)</p> <p>Optional Sony VMC-1P3 or VMC-2P3 connecting cord or</p>	<p>6</p> <p>3-pin remote control cord supplied with the AVH-910 or Sony audio products equipped with CONTROL S connectors</p>
<p>White Red Yellow (2 phono plugs ↔ 2 phono plug)</p> <p>+</p> <p>Yellow (phono plug ↔ phono plug)</p> <p>Optional Sony RK-74A + optional Sony VMC-1S connecting cords</p>	<p>7</p> <p>2-pin remote control cord supplied with the AVH-910</p>
<p>8</p> <p>(miniplug ↔ miniplug)</p> <p>Optional RK-69A connecting cord</p>	<p>8</p> <p>(miniplug ↔ miniplug)</p> <p>Optional RK-69A connecting cord</p>

CONNECTION DIAGRAM

AUDIO EQUIPMENT CONNECTION

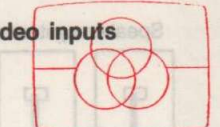
To identify the connecting cords in the connection diagram, refer to the list on page 4.



For customers in the United Kingdom
Connect the AC power cord of the AVH-910 to a wall outlet.

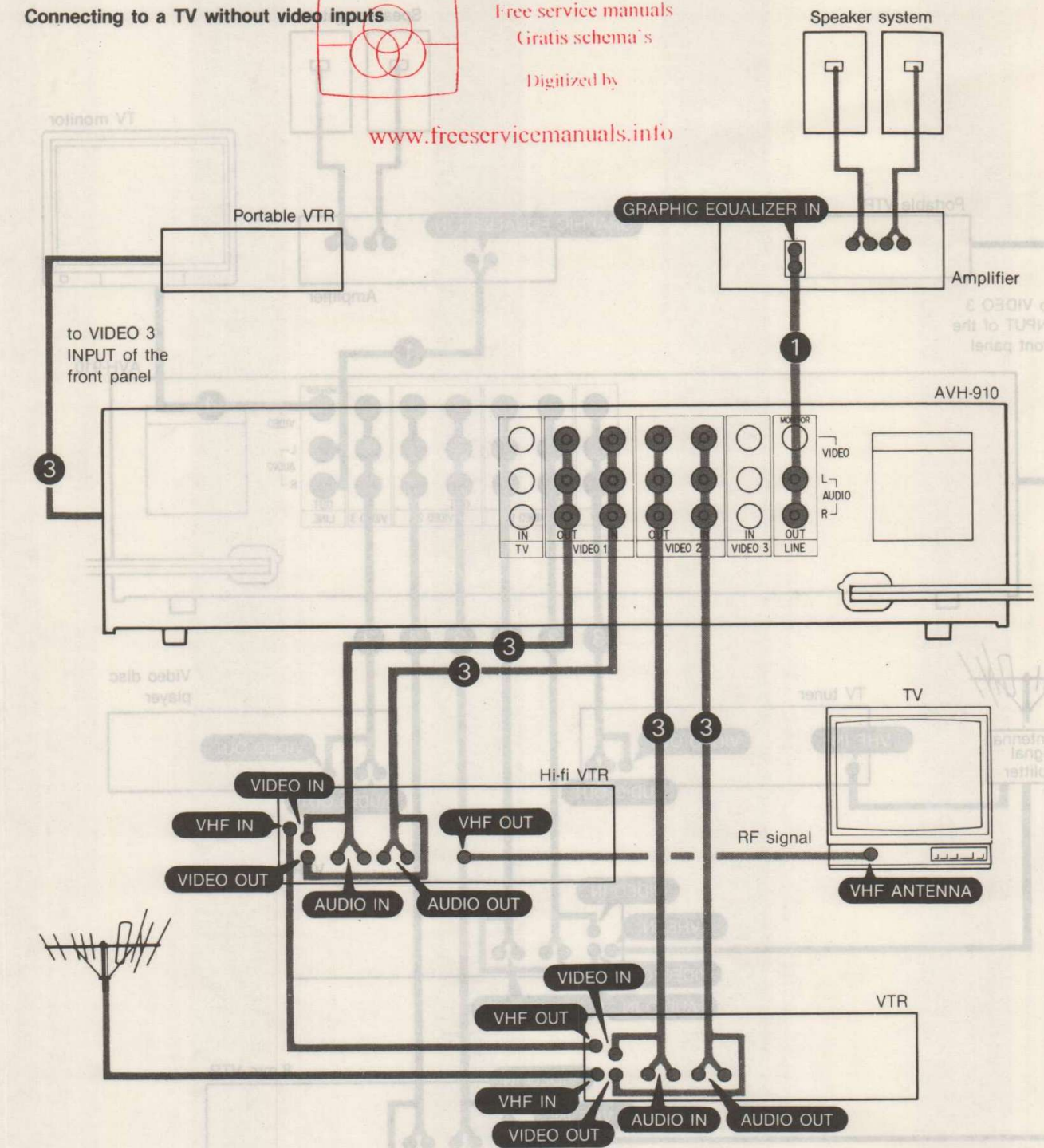
VIDEO EQUIPMENT CONNECTION

Connecting to a TV without video inputs



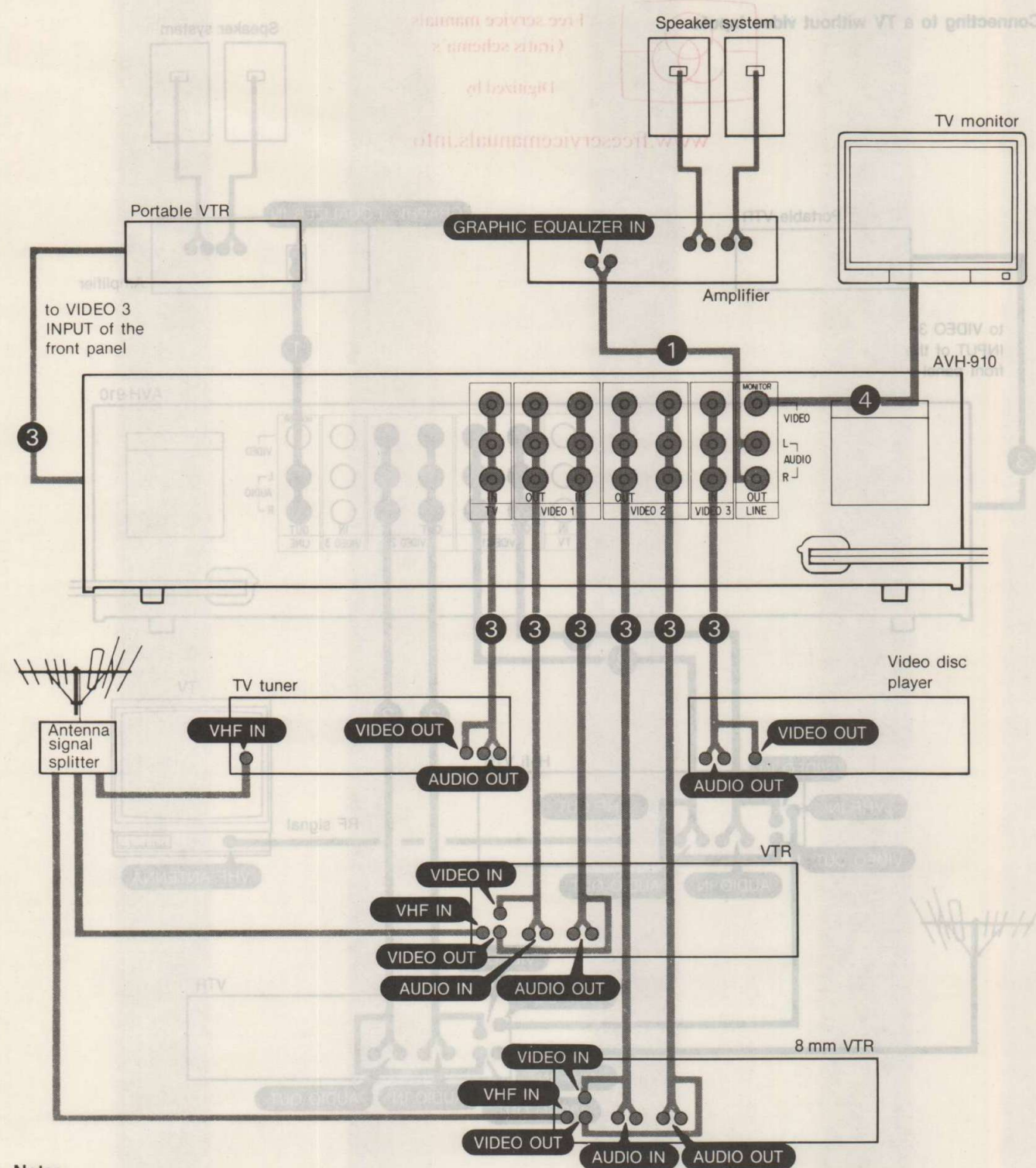
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Note
To view a program source of a VTR other than the VTR connected to TV, set the input selector of the VTR connected to TV to LINE. For details, refer to the instruction manual of the VTR.

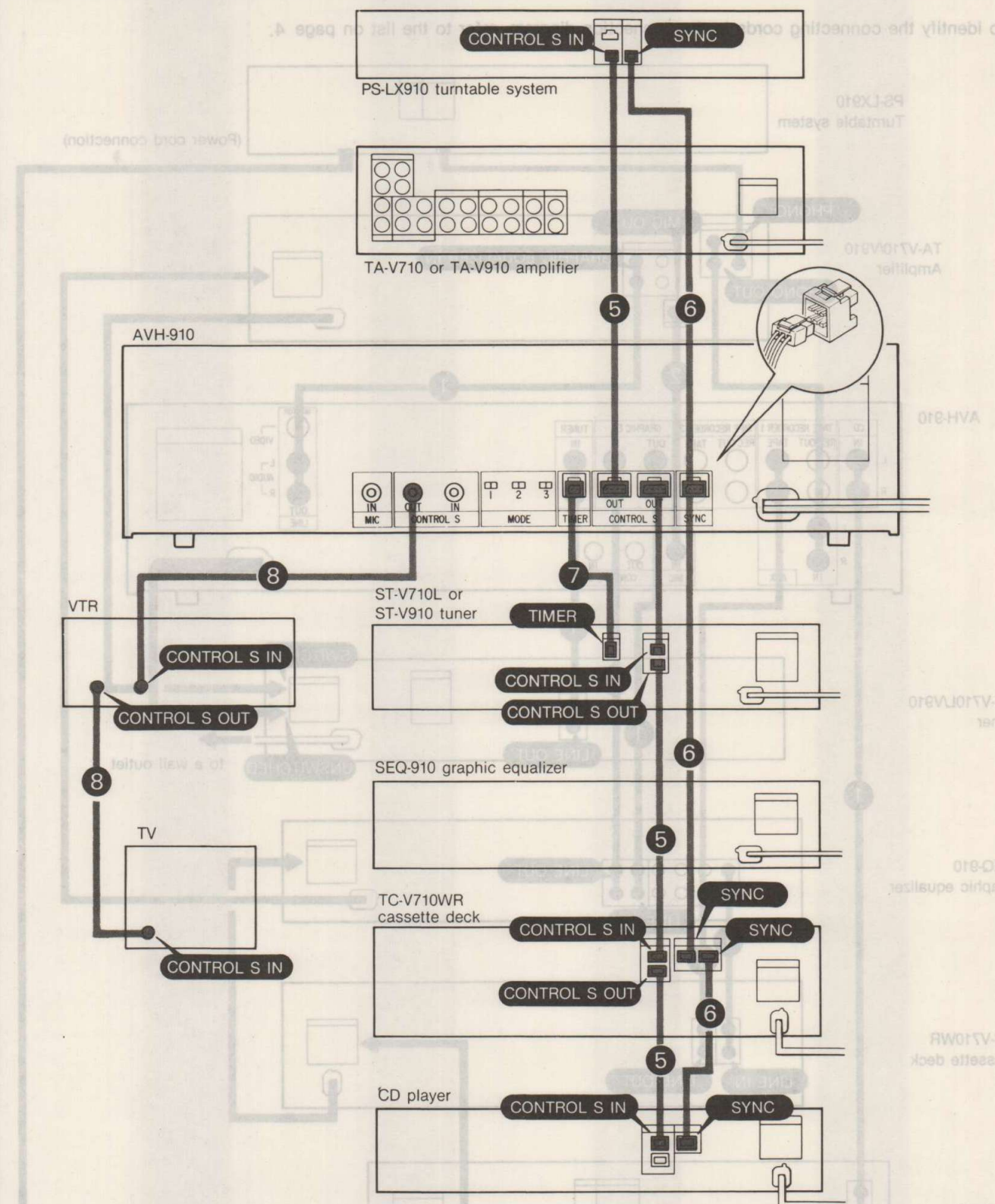
Connecting to a TV monitor



Notes

- If you have more than two VTRs, an antenna signal splitter is required.
- If your VTR is monaural, connect only L channel of the AVH-910. If both L and R channels are connected, the stereo separation of an audio program source heard from the speakers will be affected.

REMOTE CONTROL CONNECTION



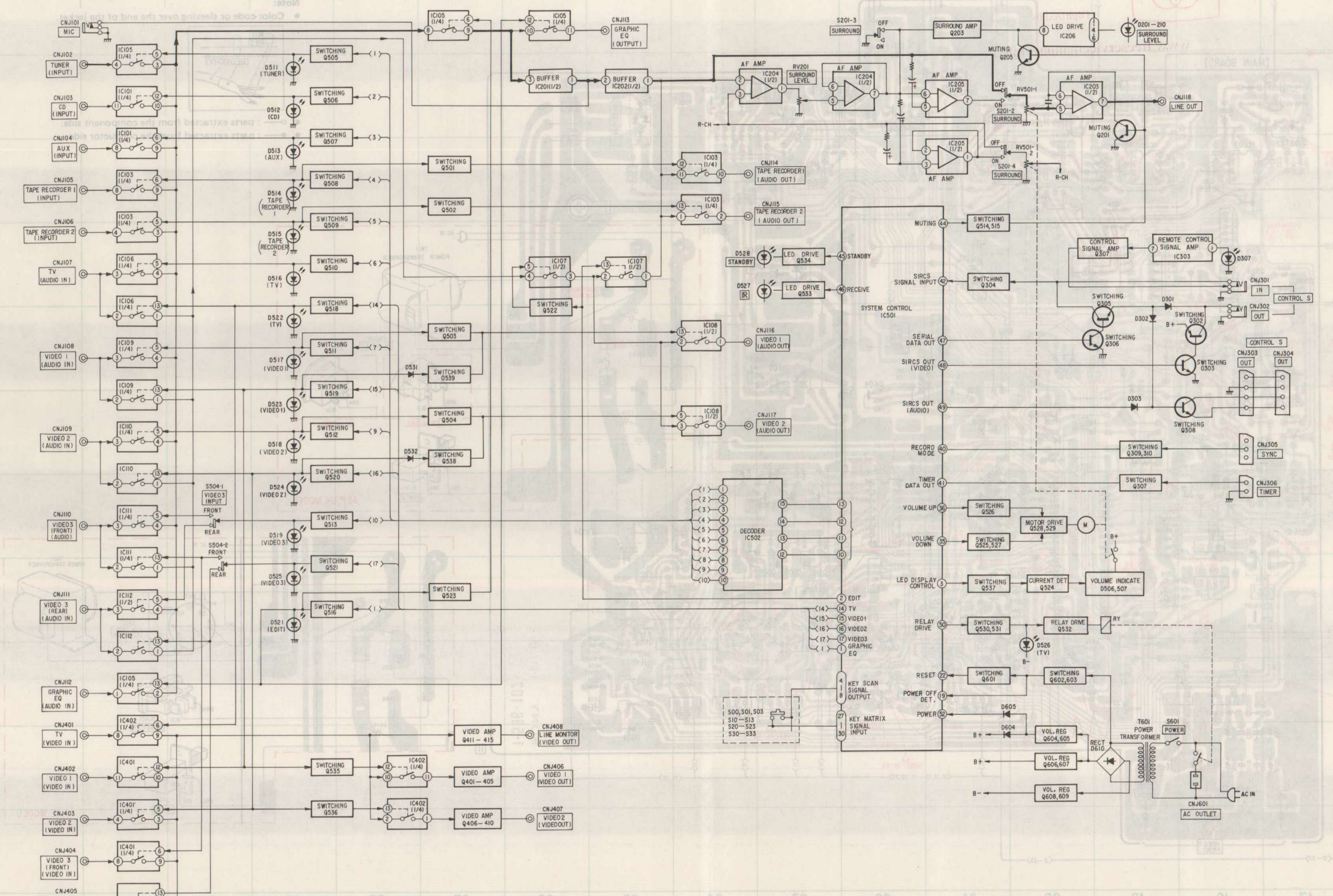
Notes:

- With this connection, only the remote sensor of the AVH-910 can receive a commander signal and that of other equipment connected to the AVH-910 cannot.

- It may happen that there is some equipment whose remote control operation is not possible with this connection. In this case, disconnect the remote control cord.

SEMICONDUCTOR LOCATION		SEMICONDUCTOR LOCATION	
Location	Part No.	Location	Part No.
11-8	F00D	11-8	F00D
11-6	Q203	11-6	Q203
11-5	Q204	11-5	Q204
11-4	Q205	11-4	Q205
11-3	Q206	11-3	Q206
11-2	Q207	11-2	Q207
11-1	Q208	11-1	Q208
11-0	Q209	11-0	Q209
10-9	Q210	10-9	Q210
10-8	Q211	10-8	Q211
10-7	Q212	10-7	Q212
10-6	Q213	10-6	Q213
10-5	Q214	10-5	Q214
10-4	Q215	10-4	Q215
10-3	Q216	10-3	Q216
10-2	Q217	10-2	Q217
10-1	Q218	10-1	Q218
10-0	Q219	10-0	Q219
9-9	Q220	9-9	Q220
9-8	Q221	9-8	Q221
9-7	Q222	9-7	Q222
9-6	Q223	9-6	Q223
9-5	Q224	9-5	Q224
9-4	Q225	9-4	Q225
9-3	Q226	9-3	Q226
9-2	Q227	9-2	Q227
9-1	Q228	9-1	Q228
9-0	Q229	9-0	Q229
8-9	Q230	8-9	Q230
8-8	Q231	8-8	Q231
8-7	Q232	8-7	Q232
8-6	Q233	8-6	Q233
8-5	Q234	8-5	Q234
8-4	Q235	8-4	Q235
8-3	Q236	8-3	Q236
8-2	Q237	8-2	Q237
8-1	Q238	8-1	Q238
8-0	Q239	8-0	Q239
7-9	Q240	7-9	Q240
7-8	Q241	7-8	Q241
7-7	Q242	7-7	Q242
7-6	Q243	7-6	Q243
7-5	Q244	7-5	Q244
7-4	Q245	7-4	Q245
7-3	Q246	7-3	Q246
7-2	Q247	7-2	Q247
7-1	Q248	7-1	Q248
7-0	Q249	7-0	Q249
6-9	Q250	6-9	Q250
6-8	Q251	6-8	Q251
6-7	Q252	6-7	Q252
6-6	Q253	6-6	Q253
6-5	Q254	6-5	Q254
6-4	Q255	6-4	Q255
6-3	Q256	6-3	Q256
6-2	Q257	6-2	Q257
6-1	Q258	6-1	Q258
6-0	Q259	6-0	Q259
5-9	Q260	5-9	Q260
5-8	Q261	5-8	Q261
5-7	Q262	5-7	Q262
5-6	Q263	5-6	Q263
5-5	Q264	5-5	Q264
5-4	Q265	5-4	Q265
5-3	Q266	5-3	Q266
5-2	Q267	5-2	Q267
5-1	Q268	5-1	Q268
5-0	Q269	5-0	Q269
4-9	Q270	4-9	Q270
4-8	Q271	4-8	Q271
4-7	Q272	4-7	Q272
4-6	Q273	4-6	Q273
4-5	Q274	4-5	Q274
4-4	Q275	4-4	Q275
4-3	Q276	4-3	Q276
4-2	Q277	4-2	Q277
4-1	Q278	4-1	Q278
4-0	Q279	4-0	Q279
3-9	Q280	3-9	Q280
3-8	Q281	3-8	Q281
3-7	Q282	3-7	Q282
3-6	Q283	3-6	Q283
3-5	Q284	3-5	Q284
3-4	Q285	3-4	Q285
3-3	Q286	3-3	Q286
3-2	Q287	3-2	Q287
3-1	Q288	3-1	Q288
3-0	Q289	3-0	Q289
2-9	Q290	2-9	Q290
2-8	Q291	2-8	Q291
2-7	Q292	2-7	Q292
2-6	Q293	2-6	Q293
2-5	Q294	2-5	Q294
2-4	Q295	2-4	Q295
2-3	Q296	2-3	Q296
2-2	Q297	2-2	Q297
2-1	Q298	2-1	Q298
2-0	Q299	2-0	Q299
1-9	Q300	1-9	Q300
1-8	Q301	1-8	Q301
1-7	Q302	1-7	Q302
1-6	Q303	1-6	Q303
1-5	Q304	1-5	Q304
1-4	Q305	1-4	Q305
1-3	Q306	1-3	Q306
1-2	Q307	1-2	Q307
1-1	Q308	1-1	Q308
1-0	Q309	1-0	Q309
0-9	Q310	0-9	Q310
0-8	Q311	0-8	Q311
0-7	Q312	0-7	Q312
0-6	Q313	0-6	Q313
0-5	Q314	0-5	Q314
0-4	Q315	0-4	Q315
0-3	Q316	0-3	Q316
0-2	Q317	0-2	Q317
0-1	Q318	0-1	Q318
0-0	Q319	0-0	Q319

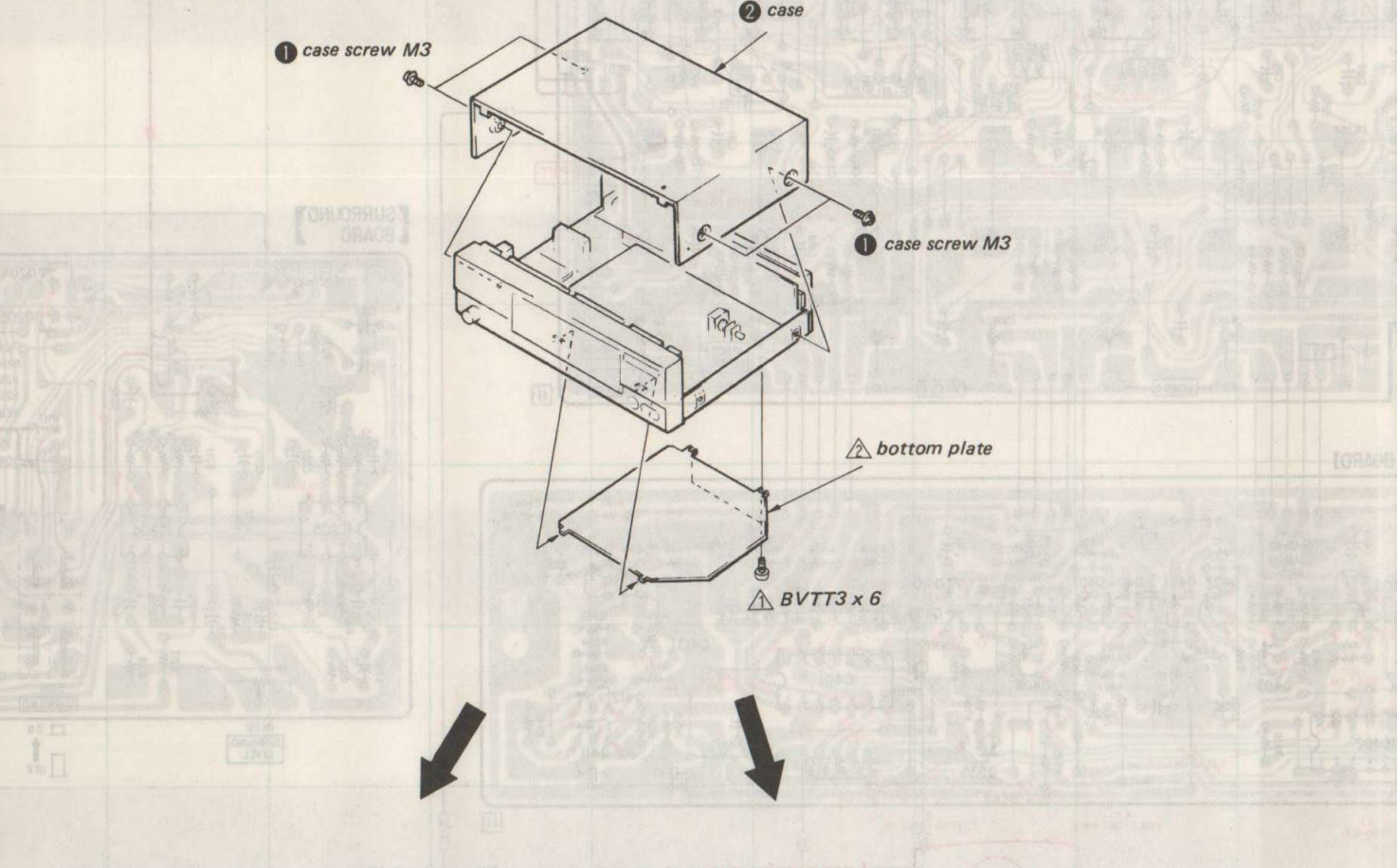
SECTION 1
BLOCK DIAGRAM
OUTLINE



SECTION 2
DISASSEMBLY

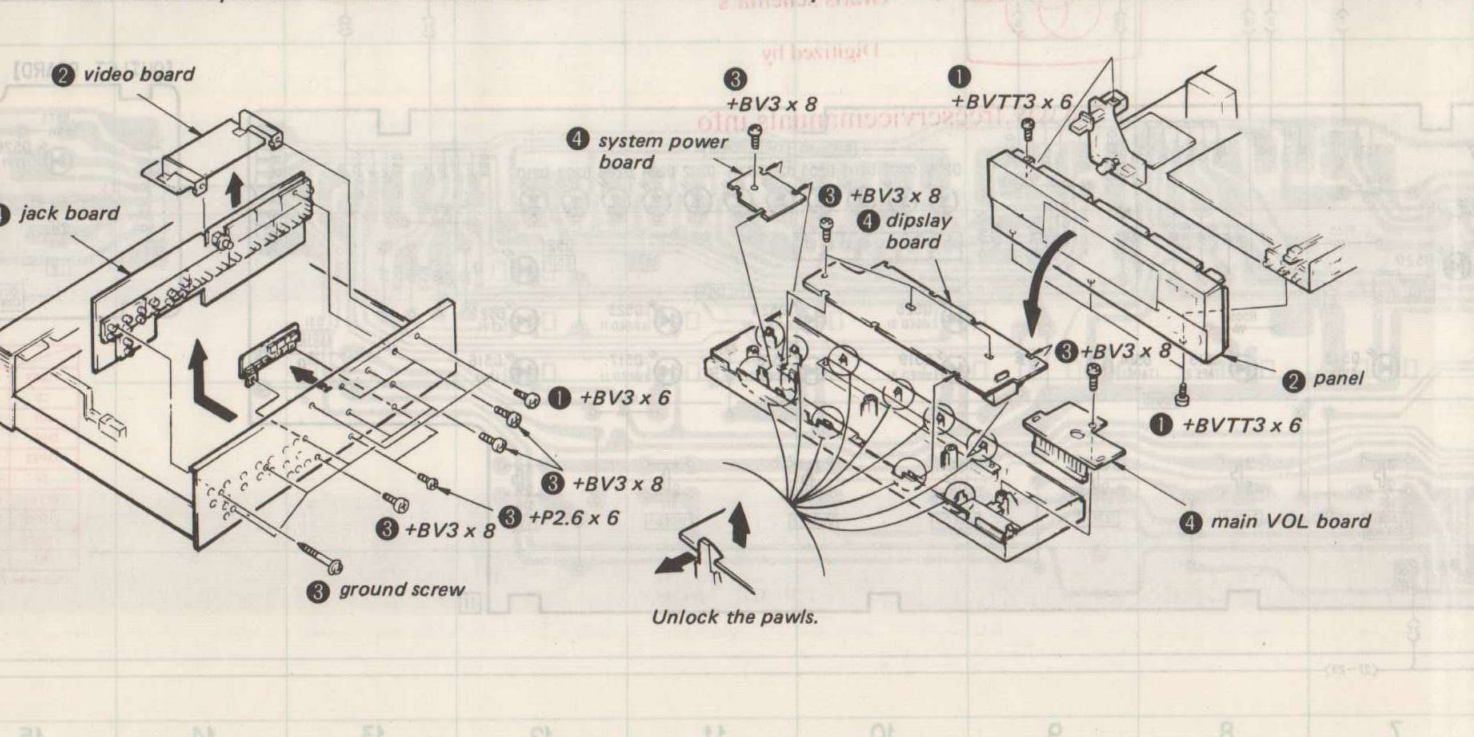
CASE, BOTTOM PLATE REMOVAL
The main board can be checked by removing the bottom plate.

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



VIDEO BOARD, JACK BOARD REMOVAL

PANEL, EACH PC BOARD REMOVAL



• Semiconductor Lead Layouts

M50740A-422SP (Top view)	SV02 cathode anode	SLP252B-50 cathode anode	2SB731 2SD809 letter side E C B
M5209P M5218P (Top view)	1SS202-1 cathode anode	2SC3622A-K	2SA1175 letter side
CX20106 (Top view)	10E2 HZ6C2L HZ9C3 cathode anode	2SK246-BL	
LB1423N (Top view)	PH302B anode	2SC2603F DTA114ES DTC114ES DTC144ES	
TC4066BP (Top view)	GL-9EG2 GL-9HY2 anode	2SB834-O 2SC1826-Y	
TC40H042P (Top view)	SEL2210S-C SEL2410E-C long short anode cathode	2SB734 E C B	
S1VB20			

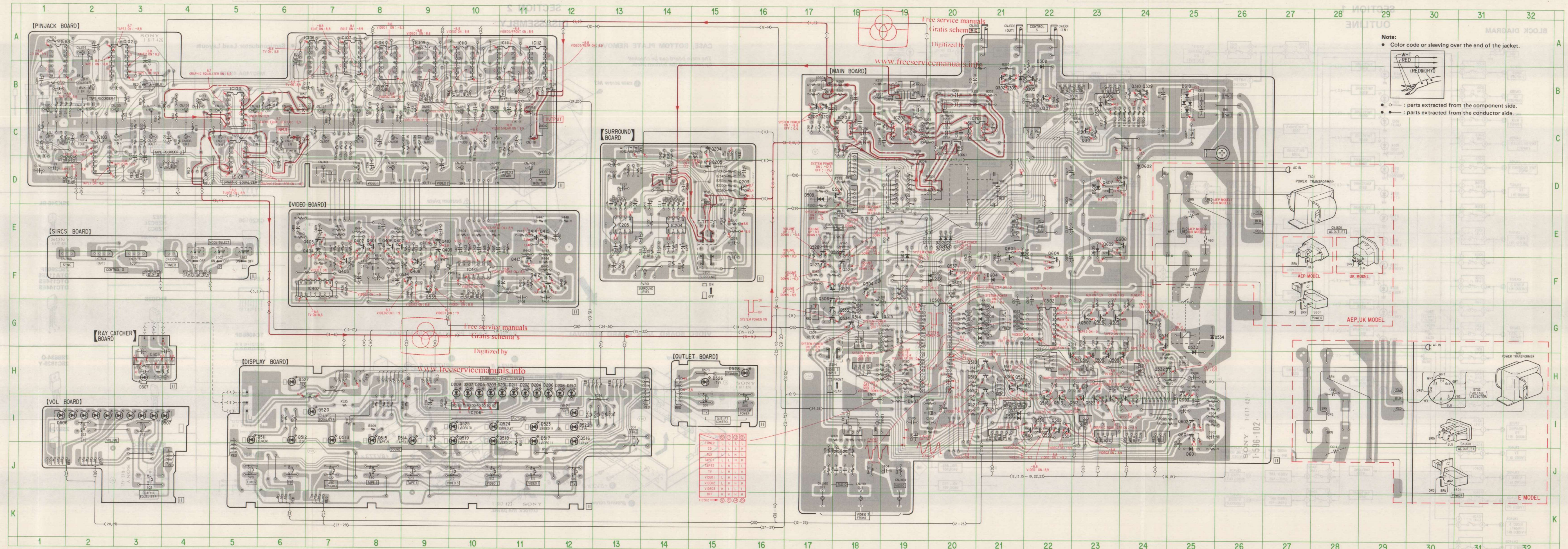
SECTION 3
DIAGRAMS

3-1. MOUNTING DIAGRAM

See page 12 for Semiconductor Lead Layouts.

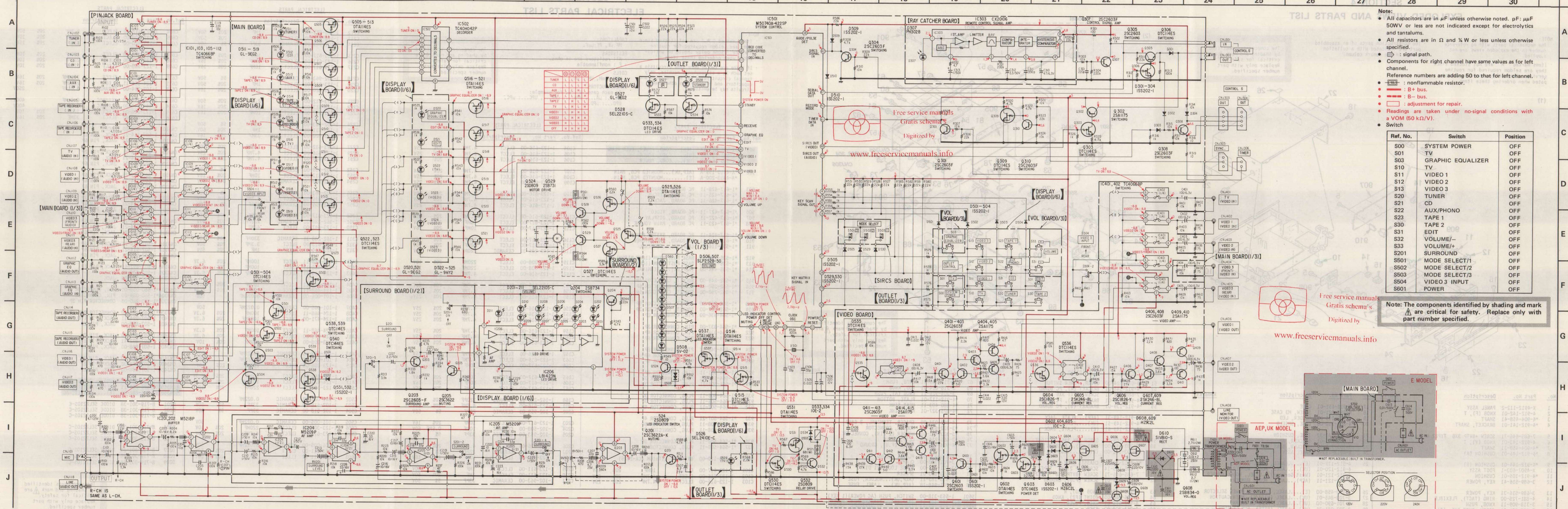
SEMICONDUCTOR LOCATION

Ref. No.	Location	Ref. No.	Location
D201	H-11	Q201	B-17
D202	H-11	Q202	B-17
D203	H-10	Q203	D-16
D204	H-11	Q204	C-15
D205	H-10	Q205	D-15
D206	H-12	Q301	C-23
D207	H-12	Q302	B-21
D208	H-12	Q303	D-16
D209	H-10	Q304	F-18
D210	H-12	Q305	B-22
D211	H-11	Q306	F-17
D301	B-21	Q307	B-22
D302	B-22	Q308	B-23
D303	F-19	Q309	F-24
D304	B-23	Q310	B-24
D307	H-3	Q401	E-8
D501	G-21	Q402	E-8
D502	G-21	Q403	F-7
D503	G-21	Q404	E-7
D504	G-21	Q405	E-7
D505	E-20	Q406	E-8
D506	I-1	Q407	B-8
D507	I-4	Q408	F-9
D508	D-17	Q409	E-9
D509	F-20	Q410	E-9
D510	F-20	Q411	F-11
D511	I-6	Q412	F-11
D512	I-6	Q413	H-11
D513	I-7	Q414	E-11
D514	I-9	Q415	E-11
D515	I-8	Q501	H-24
D516	I-12	Q502	H-23
D517	I-11	Q503	I-22
D518	I-10	Q504	I-22
D519	I-10	Q505	G-23
D520	I-7	Q506	G-23
D521	I-12	Q507	G-23
D522	I-12	Q508	H-23
D523	I-11	Q509	H-23
D524	I-10	Q510	H-23
D525	I-10	Q511	G-22
D526	H-15	Q512	I-23
D527	H-6	Q513	I-22
D528	H-16	Q514	G-18
D529	E-20	Q515	G-19
D530	E-20	Q516	I-22
D531	I-21	Q517	H-21
D532	I-21	Q518	H-21
D533	H-25	Q519	H-21
D534	G-25	Q520	H-21
D601	J-25	Q521	I-21
D602	D-24	Q522	H-21
D603	H-19	Q523	I-23
D604	F-21	Q524	D-18
D605	F-20	Q525	F-18
D606	E-21	Q526	F-18
D608	D-23	Q527	F-17
D609	E-23	Q528	E-17
D610	B-25	Q529	E-18
		Q530	G-24
IC101	A-1	Q531	G-24
IC102	A-3	Q532	H-24
IC103	C-2	Q533	G-18
IC104	B-6	Q534	G-18
IC105	D-6	Q535	F-9
IC106	A-7	Q536	F-9
IC107	A-7	Q537	F-20
IC108	A-8	Q538	I-22
IC109	A-9	Q539	I-22
IC110	A-10	Q540	I-22
IC111	A-11	Q601	I-25
IC112	A-11	Q602	I-25
IC201	C-20	Q603	H-25
IC202	C-19	Q604	H-25
IC203	C-18	Q605	F-22
IC204	E-14	Q606	D-23
IC205	E-13	Q607	D-23
IC206	I-10	Q608	E-23
IC303	H-3	Q609	E-23
IC401	F-10	Q609	E-23
IC402	F-7		
IC501	G-20		
IC502	G-22		



Note:
 • Color code or sleeving over the end of the jacket.
 WHT (RED) (RED/GRY)
 • — : parts extracted from the component side.
 • — : parts extracted from the conductor side.

TUNER	L	L	L	L
CD	L	L	L	H
AUX	L	L	L	H
TAPE1	L	L	H	H
VIDEO1	L	L	H	L
VIDEO2	L	L	H	L
VIDEO3	H	L	L	L
DEF	H	H	H	H
IC502	—	—	—	—

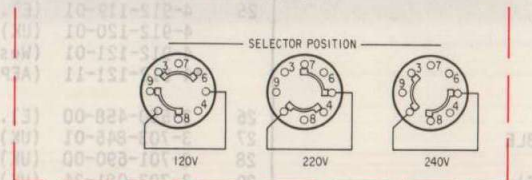
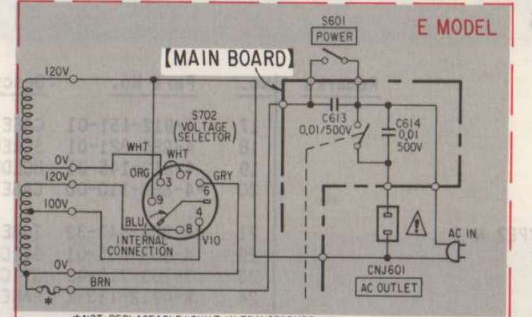


TUNER	L	L	L	L	L
CD	L	L	L	L	L
AUX	L	L	L	L	L
TAPE1	L	L	L	L	L
TAPE2	L	L	L	L	L
TV	L	L	L	L	L
VIDEO1	L	L	L	L	L
VIDEO2	L	L	L	L	L
VIDEO3	L	L	L	L	L
OFF	L	L	L	L	L

- Note:**
- All capacitors are in μF unless otherwise noted. $\text{pF} = \mu\text{F} / 100$.
 - All resistors are in Ω and $\frac{1}{2} \text{W}$ or less unless otherwise specified.
 - Signal path.
 - Components for right channel have same values as for left channel.
 - Reference numbers are adding 50 to that for left channel.
 - Nonflammable resistor.
 - B+ bus.
 - B- bus.
 - Adjustment for repair.
 - Readings are taken under no-signal conditions with a VOM (50 k Ω /V).
 - Switch

Ref. No.	Switch	Position
S00	SYSTEM POWER	OFF
S01	TV	OFF
S03	GRAPHIC EQUALIZER	OFF
S10	TV	OFF
S11	VIDEO 1	OFF
S12	VIDEO 2	OFF
S13	VIDEO 3	OFF
S20	TUNER	OFF
S21	CD	OFF
S22	AUX/PHONO	OFF
S23	TAPE 1	OFF
S24	TAPE 2	OFF
S31	EDIT	OFF
S32	VOLUME/-	OFF
S33	VOLUME/+	OFF
S201	SURROUND	OFF
S501	MODE SELECT/1	OFF
S502	MODE SELECT/2	OFF
S503	MODE SELECT/3	OFF
S504	VIDEO 3 INPUT	OFF
S601	POWER	OFF

Note: The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.



SECTION 4

EXPLODED VIEWS AND PARTS LIST

NOTE: The mechanical parts with no reference number in the exploded views are not supplied. Items marked * are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The construction parts of an assembled part are indicated with a collation number in the remark column. The components identified by shading and mark A are critical for safety. Replace only with part number specified.

(1)

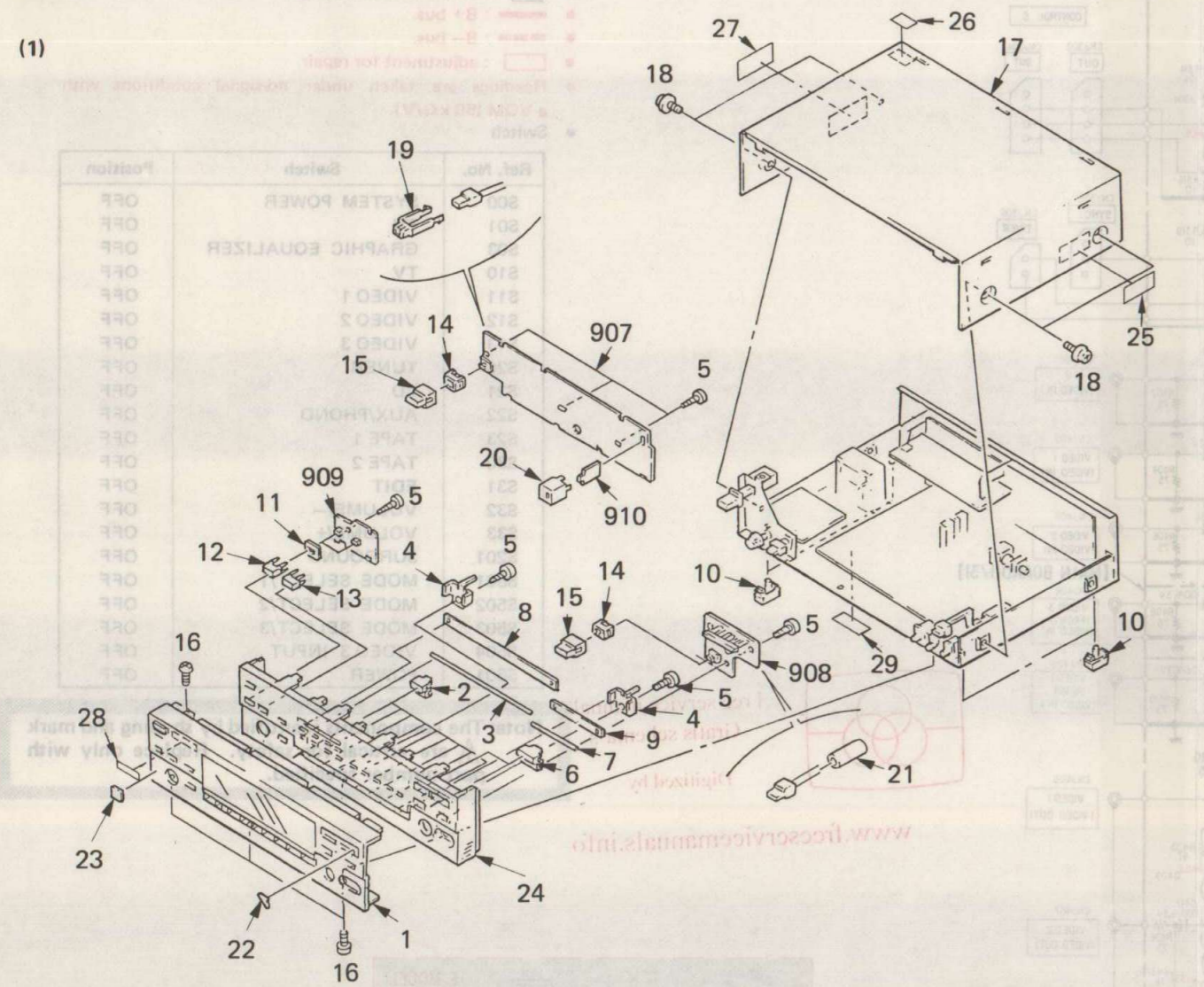


Table with 4 columns: No., Part No., Description, Remarks. Lists mechanical parts for the AVH-910 chassis.

AVH-910 AVH-910

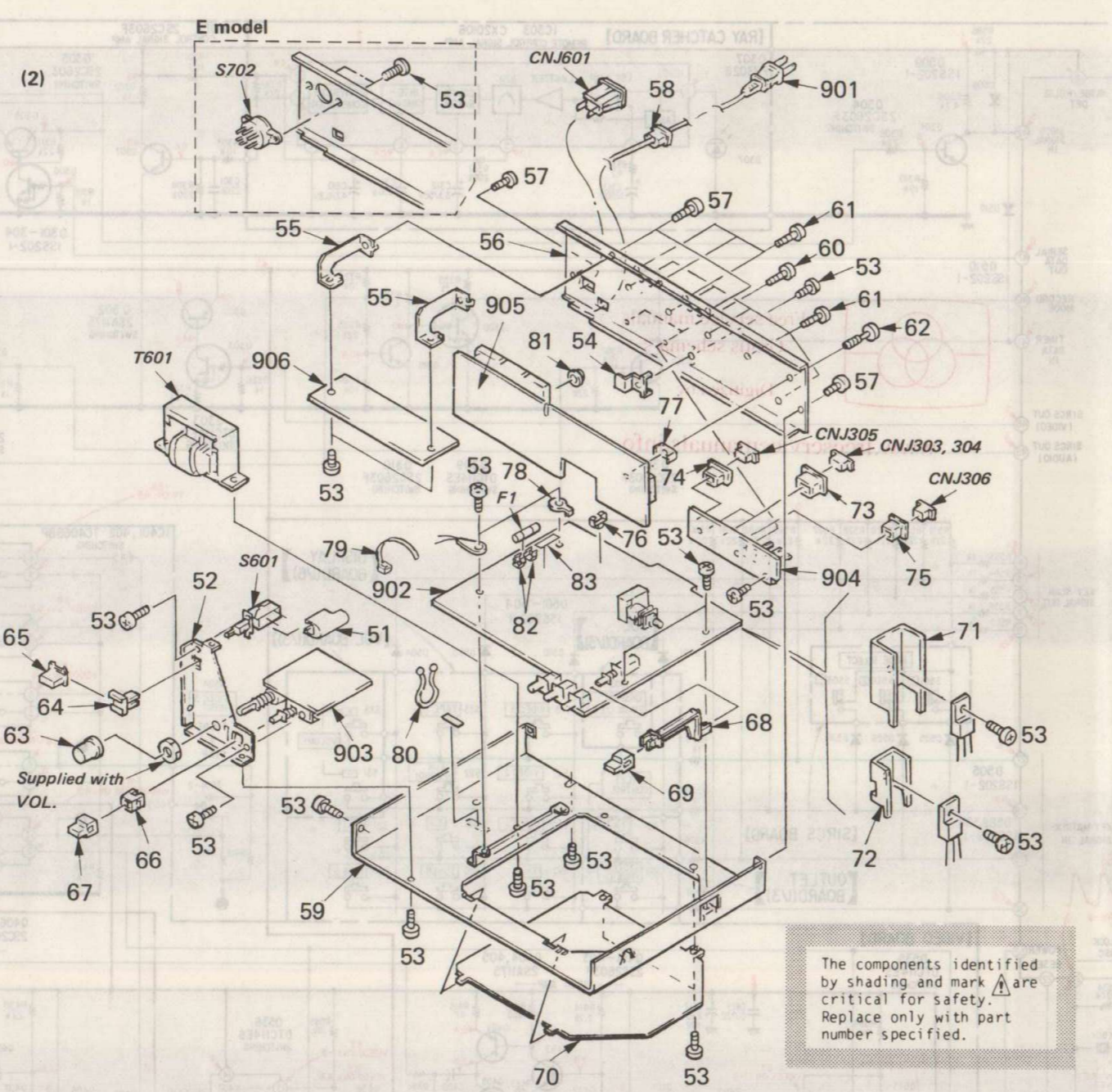


Table with 4 columns: No., Part No., Description, Remarks. Lists electrical parts for the AVH-910 chassis.

SECTION 5

ELECTRICAL PARTS LIST

NOTE: Items marked * are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items. If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS: MF:µF, PF:µµF. RESISTORS: All resistors are in ohms. F: nonflammable. COILS: MMH: mH, UH: µH. SEMICONDUCTORS: In each case, U: u, for example: UA...: µA..., UPA...: µPA..., UPC...: µPC, UPD...: µPD...

The components identified by shading and mark A are critical for safety. Replace only with part number specified.

Table with 4 columns: Ref.No., Part No., Description, Remarks. Lists electrical parts for the AVH-910 chassis.

Table with 4 columns: Ref.No., Part No., Description, Remarks. Lists electrical parts for the AVH-910 chassis.

AVH-910 AVH-910

ELECTRICAL PARTS

Table with 4 columns: Ref.No., Part No., Description, Remarks. Lists electrical parts for the AVH-910 chassis.

ELECTRICAL PARTS

Table with 4 columns: Ref.No., Part No., Description, Remarks. Lists electrical parts for the AVH-910 chassis.

The components identified by shading and mark A are critical for safety. Replace only with part number specified.


ELECTRICAL PARTS

ELECTRICAL PARTS

ELECTRICAL PARTS

ELECTRICAL PARTS

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description	Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
D210	8-719-301-38	DIODE SEL2210S-C	IC108	8-759-240-66	IC TC4066BP	Q201	8-729-107-99	TRANSISTOR 2SC3622A-K	Q504	8-729-900-80	TRANSISTOR DTC114ES
D211	8-719-301-38	DIODE SEL2210S-C	IC109	8-759-240-66	IC TC4066BP	Q202	8-729-107-99	TRANSISTOR 2SC3622A-K	Q505	8-729-900-61	TRANSISTOR DTA114ES
D301	8-719-107-94	DIODE 1SS202-1	IC110	8-759-240-66	IC TC4066BP	Q203	8-729-606-33	TRANSISTOR 2SC2603F	Q506	8-729-900-61	TRANSISTOR DTA114ES
D302	8-719-107-94	DIODE 1SS202-1	IC111	8-759-240-66	IC TC4066BP	Q204	8-729-103-43	TRANSISTOR 2SB734	Q507	8-729-900-61	TRANSISTOR DTA114ES
D303	8-719-107-94	DIODE 1SS202-1	IC112	8-759-240-66	IC TC4066BP	Q205	8-729-107-99	TRANSISTOR 2SC3622A-K	Q508	8-729-900-61	TRANSISTOR DTA114ES
D304	8-719-107-94	DIODE 1SS202-1	IC201	8-759-601-02	IC M5218P	Q301	8-729-606-33	TRANSISTOR 2SC2603F	Q509	8-729-900-61	TRANSISTOR DTA114ES
D307	8-719-110-32	DIODE PH302B	IC202	8-759-601-02	IC M5218P	Q302	8-729-117-54	TRANSISTOR 2SA1175	Q510	8-729-900-61	TRANSISTOR DTA114ES
D501	8-719-107-94	DIODE 1SS202-1	IC203	8-759-601-02	IC M5218P	Q303	8-729-900-80	TRANSISTOR DTC114ES	Q511	8-729-900-61	TRANSISTOR DTA114ES
D502	8-719-107-94	DIODE 1SS202-1	IC204	8-759-602-31	IC M5209P	Q304	8-729-606-33	TRANSISTOR 2SC2603F	Q512	8-729-900-61	TRANSISTOR DTA114ES
D502	8-719-107-94	DIODE 1SS202-1	IC205	8-759-602-31	IC M5209P	Q305	8-729-606-33	TRANSISTOR 2SC2603F			
D503	8-719-107-94	DIODE 1SS202-1	IC206	8-759-801-06	IC LB1423N	Q306	8-729-900-80	TRANSISTOR DTC114ES			
D504	8-719-107-94	DIODE 1SS202-1	IC303	8-759-010-60	IC CX20106	Q307	8-729-606-33	TRANSISTOR 2SC2603F			
D505	8-719-107-94	DIODE 1SS202-1	IC401	8-759-240-66	IC TC4066BP	Q308	8-729-606-33	TRANSISTOR 2SC2603F			
D506	8-719-925-26	DIODE SLP252B-50	IC402	8-759-240-66	IC TC4066BP	Q309	8-729-900-80	TRANSISTOR DTC114ES			
D507	8-719-925-26	DIODE SLP252B-50	IC501	8-759-603-36	IC M50740A-422SP	Q310	8-729-606-33	TRANSISTOR 2SC2603F			
D508	8-719-300-02	DIODE SV02	IC502	8-759-200-18	IC TC40H042P	Q401	8-729-606-33	TRANSISTOR 2SC2603F			
D509	8-719-107-94	DIODE 1SS202-1	Q201	8-729-107-99	TRANSISTOR 2SC3622A-K	Q402	8-729-606-33	TRANSISTOR 2SC2603F			
D510	8-719-107-94	DIODE 1SS202-1	Q202	8-729-107-99	TRANSISTOR 2SC3622A-K	Q403	8-729-606-33	TRANSISTOR 2SC2603F			
D511	8-719-919-57	DIODE GL-9EG2	Q203	8-729-606-33	TRANSISTOR 2SC2603F	Q404	8-729-117-54	TRANSISTOR 2SA1175			
D512	8-719-919-57	DIODE GL-9EG2	Q204	8-729-103-43	TRANSISTOR 2SB734	Q405	8-729-117-54	TRANSISTOR 2SA1175			
D513	8-719-919-57	DIODE GL-9EG2	Q205	8-729-107-99	TRANSISTOR 2SC3622A-K	Q406	8-729-606-33	TRANSISTOR 2SC2603F			
D514	8-719-919-57	DIODE GL-9EG2	Q301	8-729-606-33	TRANSISTOR 2SC2603F	Q407	8-729-606-33	TRANSISTOR 2SC2603F			
D515	8-719-919-57	DIODE GL-9EG2	Q302	8-729-117-54	TRANSISTOR 2SA1175	Q408	8-729-606-33	TRANSISTOR 2SC2603F			
D516	8-719-919-57	DIODE GL-9EG2	Q303	8-729-900-80	TRANSISTOR DTC114ES	Q409	8-729-117-54	TRANSISTOR 2SA1175			
D517	8-719-919-57	DIODE GL-9EG2	Q304	8-729-606-33	TRANSISTOR 2SC2603F	Q410	8-729-117-54	TRANSISTOR 2SA1175			
D518	8-719-919-57	DIODE GL-9EG2	Q305	8-729-606-33	TRANSISTOR 2SC2603F	Q411	8-729-606-33	TRANSISTOR 2SC2603F			
D519	8-719-919-57	DIODE GL-9EG2	Q306	8-729-900-80	TRANSISTOR DTC114ES	Q412	8-729-606-33	TRANSISTOR 2SC2603F			
D520	8-719-919-57	DIODE GL-9EG2	Q307	8-729-606-33	TRANSISTOR 2SC2603F	Q413	8-729-606-33	TRANSISTOR 2SC2603F			
D521	8-719-919-57	DIODE GL-9EG2	Q308	8-729-606-33	TRANSISTOR 2SC2603F	Q414	8-729-117-54	TRANSISTOR 2SA1175			
D522	8-719-904-92	DIODE GL-9HY2	Q309	8-729-900-80	TRANSISTOR DTC114ES	Q415	8-729-117-54	TRANSISTOR 2SA1175			
D523	8-719-904-92	DIODE GL-9HY2	Q310	8-729-606-33	TRANSISTOR 2SC2603F	Q501	8-729-900-80	TRANSISTOR DTC114ES			
D524	8-719-904-92	DIODE GL-9HY2	Q401	8-729-606-33	TRANSISTOR 2SC2603F	Q502	8-729-900-80	TRANSISTOR DTC114ES			
D525	8-719-904-92	DIODE GL-9HY2	Q402	8-729-606-33	TRANSISTOR 2SC2603F	Q503	8-729-900-80	TRANSISTOR DTC114ES			
D526	8-719-301-43	DIODE SEL2410E-C	Q403	8-729-606-33	TRANSISTOR 2SC2603F	Q504	8-729-900-80	TRANSISTOR DTC114ES			
D527	8-719-919-57	DIODE GL-9EG2	Q404	8-729-117-54	TRANSISTOR 2SA1175	Q505	8-729-900-61	TRANSISTOR DTA114ES			
D528	8-719-301-38	DIODE SEL2210S-C	Q405	8-729-117-54	TRANSISTOR 2SA1175	Q506	8-729-900-61	TRANSISTOR DTA114ES			
D529	8-719-107-94	DIODE 1SS202-1	Q406	8-729-606-33	TRANSISTOR 2SC2603F	Q507	8-729-900-61	TRANSISTOR DTA114ES			
D530	8-719-107-94	DIODE 1SS202-1	Q407	8-729-606-33	TRANSISTOR 2SC2603F	Q508	8-729-900-61	TRANSISTOR DTA114ES			
D531	8-719-107-94	DIODE 1SS202-1	Q408	8-729-606-33	TRANSISTOR 2SC2603F	Q509	8-729-900-61	TRANSISTOR DTA114ES			
D532	8-719-107-94	DIODE 1SS202-1	Q409	8-729-117-54	TRANSISTOR 2SA1175	Q510	8-729-900-61	TRANSISTOR DTA114ES			
D533	8-719-200-02	DIODE 10E-2	Q410	8-729-117-54	TRANSISTOR 2SA1175	Q511	8-729-900-61	TRANSISTOR DTA114ES			
D601	8-719-107-94	DIODE 1SS202-1	Q411	8-729-606-33	TRANSISTOR 2SC2603F	Q512	8-729-900-61	TRANSISTOR DTA114ES			
D602	8-719-200-02	DIODE 10E-2	Q412	8-729-606-33	TRANSISTOR 2SC2603F						
D603	8-719-107-94	DIODE 1SS202-1	Q413	8-729-606-33	TRANSISTOR 2SC2603F						
D604	8-719-200-02	DIODE 10E-2	Q414	8-729-117-54	TRANSISTOR 2SA1175						
D605	8-719-200-02	DIODE 10E-2	Q415	8-729-117-54	TRANSISTOR 2SA1175						
D606	8-719-910-68	DIODE HZ6C2L	Q501	8-729-900-80	TRANSISTOR DTC114ES						
D608	8-719-910-98	DIODE HZ9C3	Q502	8-729-900-80	TRANSISTOR DTC114ES						
D609	8-719-910-98	DIODE HZ9C3	Q503	8-729-900-80	TRANSISTOR DTC114ES						
D610	8-719-511-20	DIODE S1V820	Q504	8-729-900-80	TRANSISTOR DTC114ES						
F1	1-532-286-00	(AEP,UK)...FUSE, TIME-LAG	Q505	8-729-900-61	TRANSISTOR DTA114ES						
IC101	8-759-240-66	IC TC4066BP	Q506	8-729-900-61	TRANSISTOR DTA114ES						
IC102	8-759-240-66	IC TC4066BP	Q507	8-729-900-61	TRANSISTOR DTA114ES						
IC103	8-759-240-66	IC TC4066BP	Q508	8-729-900-61	TRANSISTOR DTA114ES						
IC104	8-759-240-66	IC TC4066BP	Q509	8-729-900-61	TRANSISTOR DTA114ES						
IC105	8-759-240-66	IC TC4066BP	Q510	8-729-900-61	TRANSISTOR DTA114ES						
IC106	8-759-240-66	IC TC4066BP	Q511	8-729-900-61	TRANSISTOR DTA114ES						
IC107	8-759-240-66	IC TC4066BP	Q512	8-729-900-61	TRANSISTOR DTA114ES						

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

ELECTRICAL PARTS

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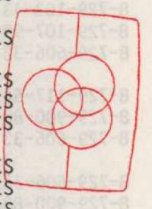
Table with columns: Ref.No., Part No., Description. Rows include transistors (Q513-Q536) and carbon resistors (R101-R209).

Table with columns: Ref.No., Part No., Description. Rows include carbon resistors (R122-R209).

Table with columns: Ref.No., Part No., Description. Rows include carbon resistors (R210-R311).

Table with columns: Ref.No., Part No., Description. Rows include carbon resistors (R312-R436).

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The components identified
by reading and using this
critical file are
replace only with part
number specified.

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Table with columns: Ref.No., Part No., Description, Quantity, Unit. Lists parts R440 through R548.

ELECTRICAL PARTS

Table with columns: Ref.No., Part No., Description, Quantity, Unit. Lists parts R549 through RY501.

ELECTRICAL PARTS

Table with columns: Ref.No., Part No., Description, Quantity, Unit. Lists parts S00 through X501.

ACCESSORY & PACKING MATERIAL

Table with columns: Part No., Description. Lists items like 1-463-720-11, 1-506-452-11, etc.

The components identified by shading and mark are critical for safety. Replace only with part number specified.

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