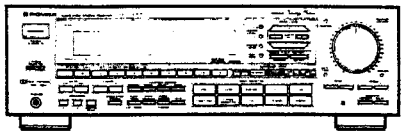
PIONEER®
The future of sound and vision.

Service Manual



ORDER NO.
ARP2037

AUDIO/VIDEO STEREO RECEIVER

VSX-5700S
VSX-5600

MODELS VSX-5700S AND VSX-5600 HAVE FOLLOWING VERSIONS :

Type	Applicable model		Power requirement	Destination
	VSX-5700S	VSX-5600		
KUC	○	○	AC120V only	U.S.A. and Canada
SD	○	–	AC110V,120V-127V,220V,240V (Switchable)	Kingdom of Saudi Arabia and general market

- **This manual is applicable to the VSX-5700S/KUC,SD and VSX-5600/KUC types.**
- **As to the VSX-5700S/SD and VSX-5600/KUC types, refer to page 65.**
- **The " S " at the end of the model number indicates that a programable remote control unit is supplied.**

CONTENTS

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.
Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING
Lead in solder used in this product is listed by the California Health and Welfare agency as a known reproductive toxicant which may cause birth defects or other reproductive harm (California Health & Safety Code, Section 25249.5).
When servicing or handling circuit boards and other components which contain lead in in solder, avoid unprotected skin contact with the solder. Also, when soldering do not inhale any smoke or fumes produced.

1. SAFETY INFORMATION

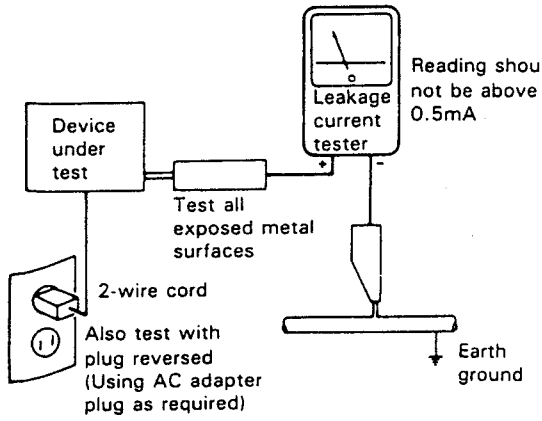
(FOR USA MODEL ONLY)

1. SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120V AC 60Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5mA.



AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a ⚠ on the schematics and on the parts list in this Service Manual.
The use of a substitute replacement component which dose not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

2. EXPLODED VIEWS, PACKING AND PARTS LIST

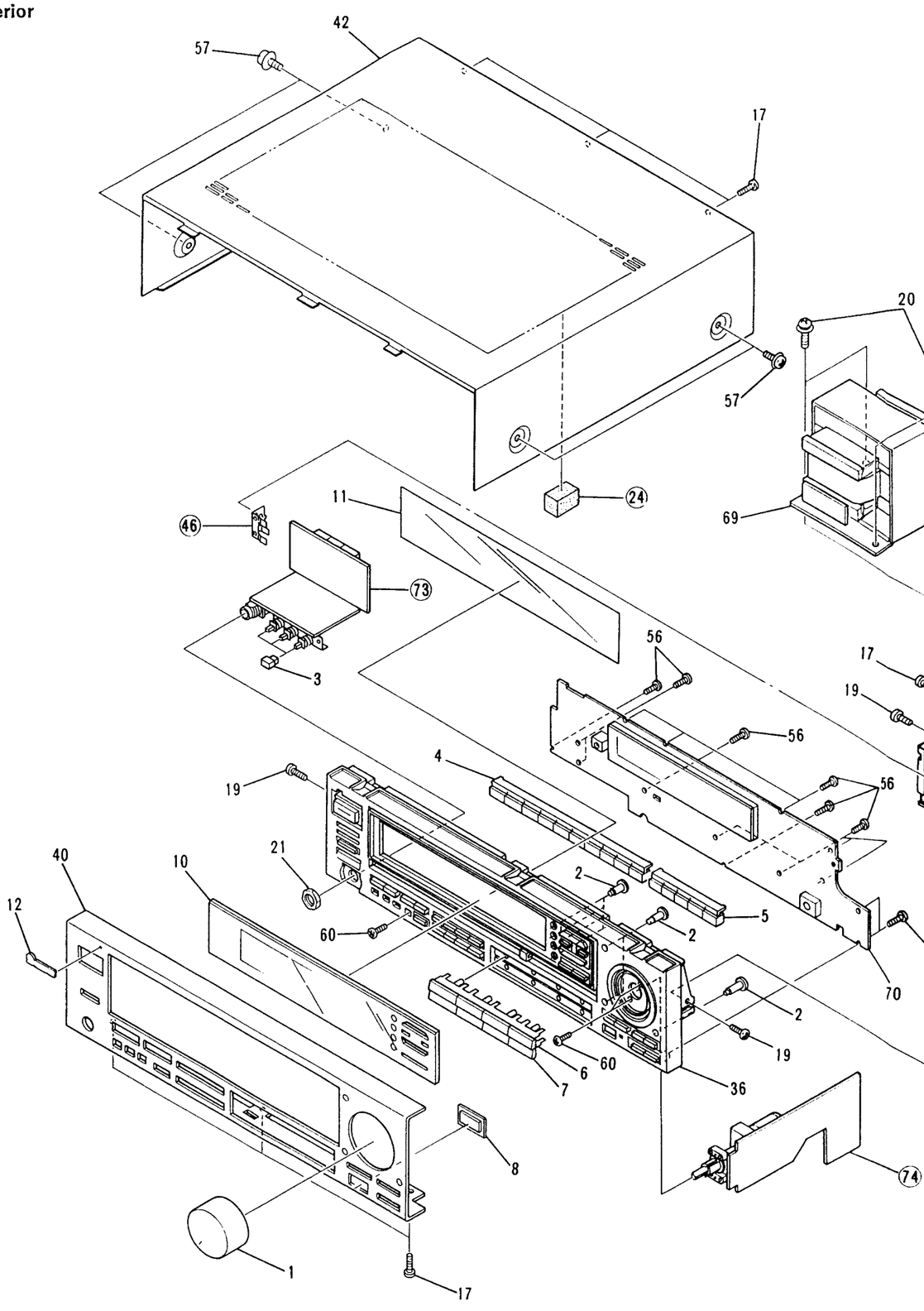
NOTES:

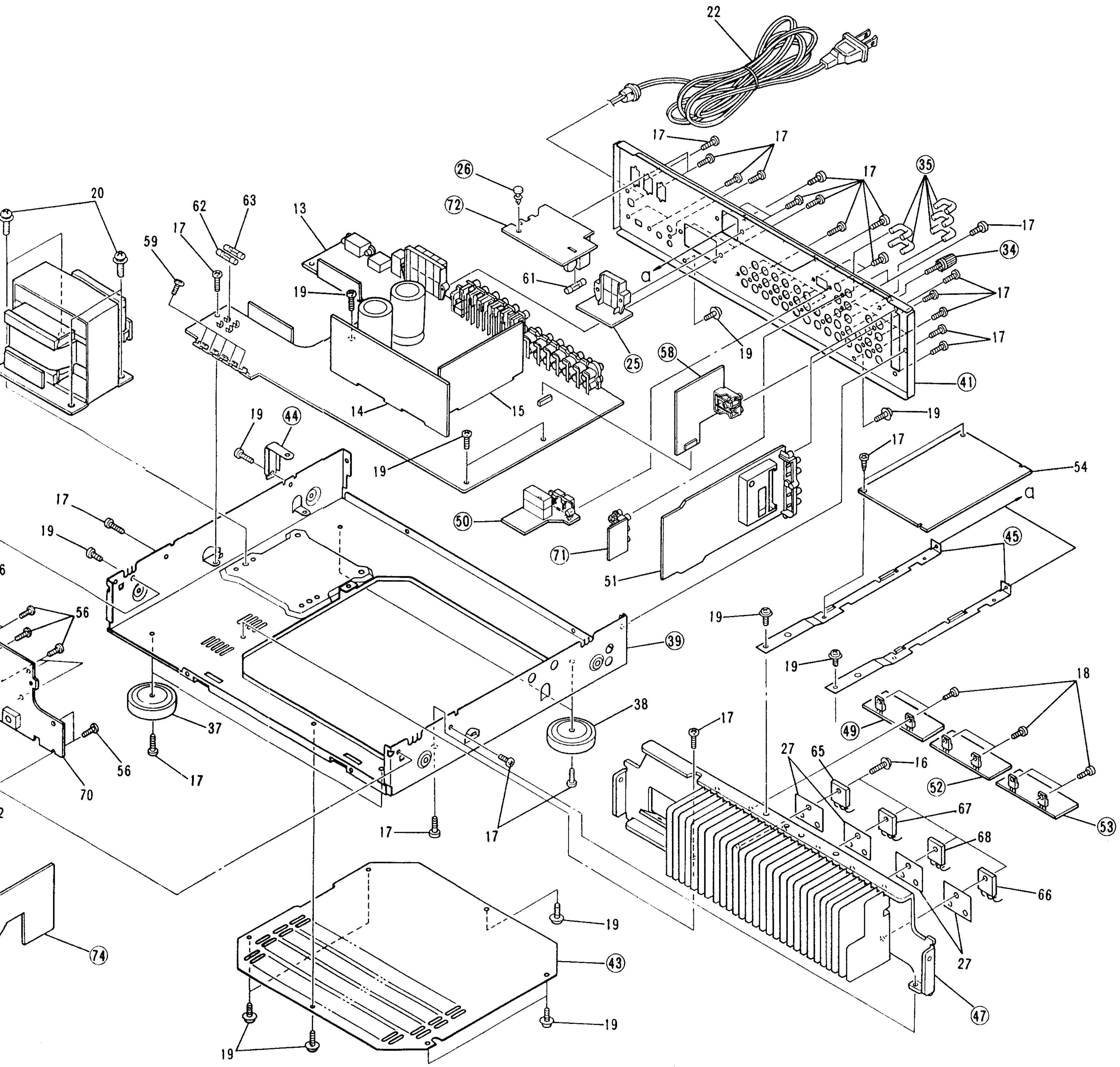
- *Parts without part number cannot be supplied.*
- *Parts marked by "◉" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*

Parts list of Exterior and packing

Mark	No.	Description	Parts No.
	1	MASTER VOL ASSEMBLY	AAB1119
	2	TACT KNOB	AAD1398
	3	SP SW BUTTON	AAD1587
	4	STATION BUTTON	AAD1588
	5	SURROUND MODE BUTTON	AAD1777
	6	FUNCTION BUTTON	AAD1778
	7	FUNCTION BUTTON	AAD1779
	8	SENSOR ACRYLIC	AAK1323
	9	.....	.....
	10	DISPLAY PANEL	AAK1934
	11	FL FILTER	AAK1935
	12	NAME PLATE (METAL)	AAM1029
	13	MAIN ASSEMBLY	AWZ2906
	14	AMP ASSEMBLY	AWH1008
	15	SURROUND ASSEMBLY	AWX1039
	16	SCREW(STEEL)	ABA−297
	17	SCREW	ABA−298
	18	SCREW(STEEL)	ABA1007
	19	SCREW(STEEL)	ABA1011
	20	SCREW(STEEL)	ABA1093
	21	NUT	ABN−065
⚠	22	AC POWER CORD	ADG1057
	23	FM ANTENNA	ADH1004
	24	CUSHION RUBBER M	
	25	REAR SP ASSEMBLY	
	26	PIN GROMMET	
	27	MICA SHEET	AEP−313
	28	AM4 BATTERY(1.5V)	
	29	STYROL PROTECTOR	AHA1020
	30	STYROL PROTECTOR	AHA1021
	31	PACKING CASE	AHD1853
	32	LITERATURE BAG	
	33	SHEET	AHG1016
	34	TERMINAL SCREW	
	35	PLUG	
	36	PANEL BASE ASSEMBLY	AMB1650
	37	INSULATOR ASSEMBLY	AMR1434
	38	INSULATOR ASSEMBLY	AMR1435
	39	CHASSIS	
	40	FRONT PANEL	ANB1393
	41	REAR PANEL	
	42	BONNET COVER	AZN1934
	43	BOTTOM PLATE	
	44	PLATE	
	45	PLATE A	
	46	PLATE B	
	47	HEAT SINK	
	48	INSTRUCTION MANUAL	ARB1250
	49	CENTER AMP ASSEMBLY	
	50	CENTER SP ASSEMBLY	
	51	TUNER ASSEMBLY	AWE1140
	52	REAR AMP Lch ASSEMBLY	
	53	REAR AMP Rch ASSEMBLY	
	54	PROLOGIC ASSEMBLY	AWX1040
	55	REMOTE CONTROL UNIT	AXD1149
	56	SCREW	BBZ26P080FMC
	57	SCREW	FBT40P080FZK
	58	EQ ASSEMBLY	
	59	SCREW	PBZ25P100FMC
	60	SCREW	VMZ30P060FMC
⚠	61	FUSE(8A, FU1)	AEK1002
⚠	62	FUSE(6.3A, FU3)	AEK−309
⚠	63	FUSE(6.3A, FU4)	AEK−309
	64	LOOP ANTENNA	ATB1005
⚠	65	TRANSISTOR Q1	2SC3281
⚠	66	TRANSISTOR Q2	2SC3281
⚠	67	TRANSISTOR Q3	2SA1302
⚠	68	TRANSISTOR Q4	2SA1302
⚠	69	POWER TRANSFORMER T1	ATS1275
	70	FRONT ASSEMBLY	AWZ2914
	71	PRE POWER ASSEMBLY	
	72	PRIM ASSEMBLY	
	73	SP SW ASSEMBLY	
	74	VOL ASSEMBLY	

Exterior

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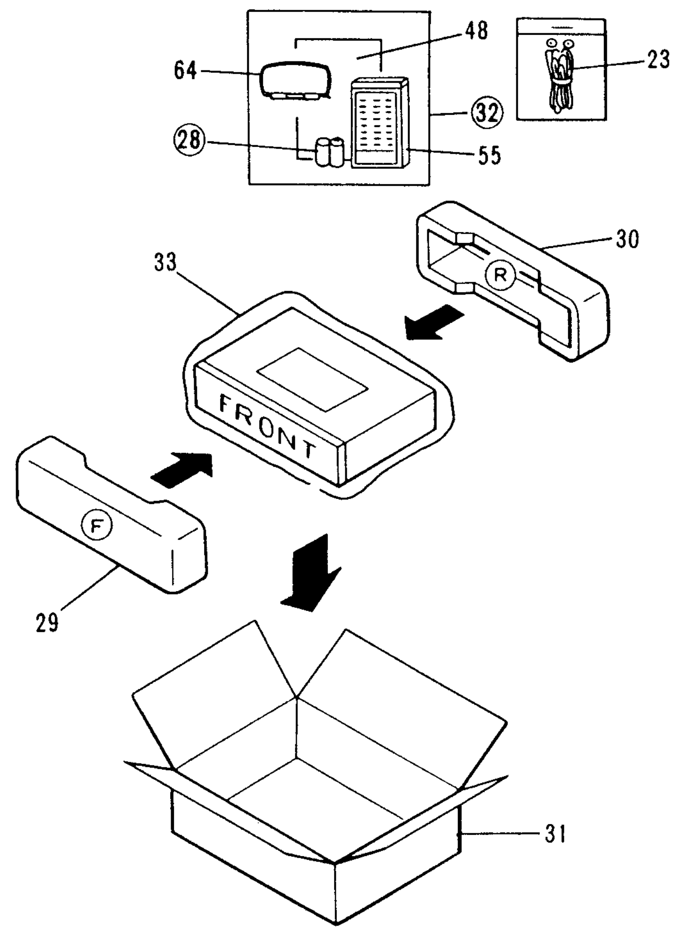
packing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FRONT
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F
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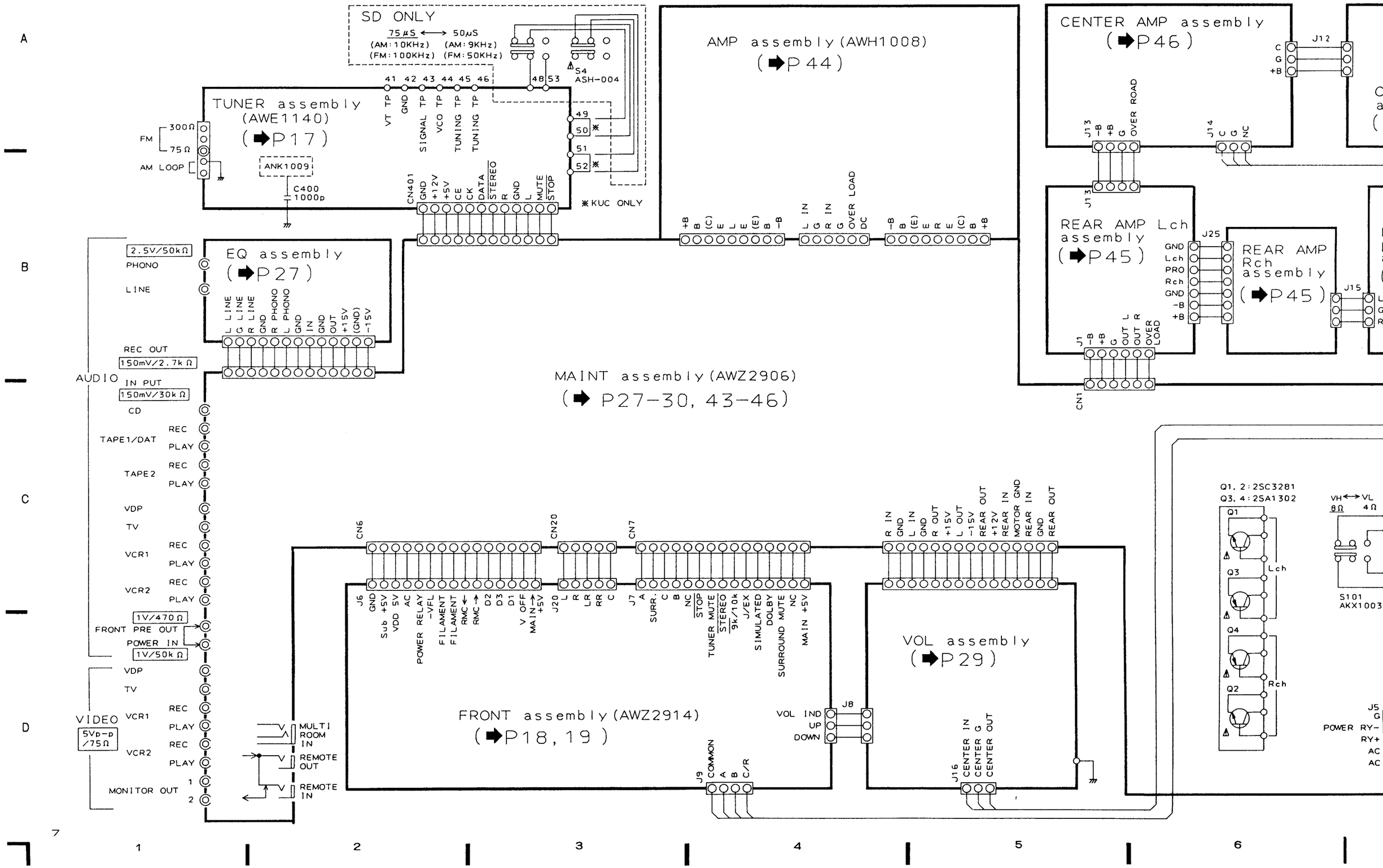
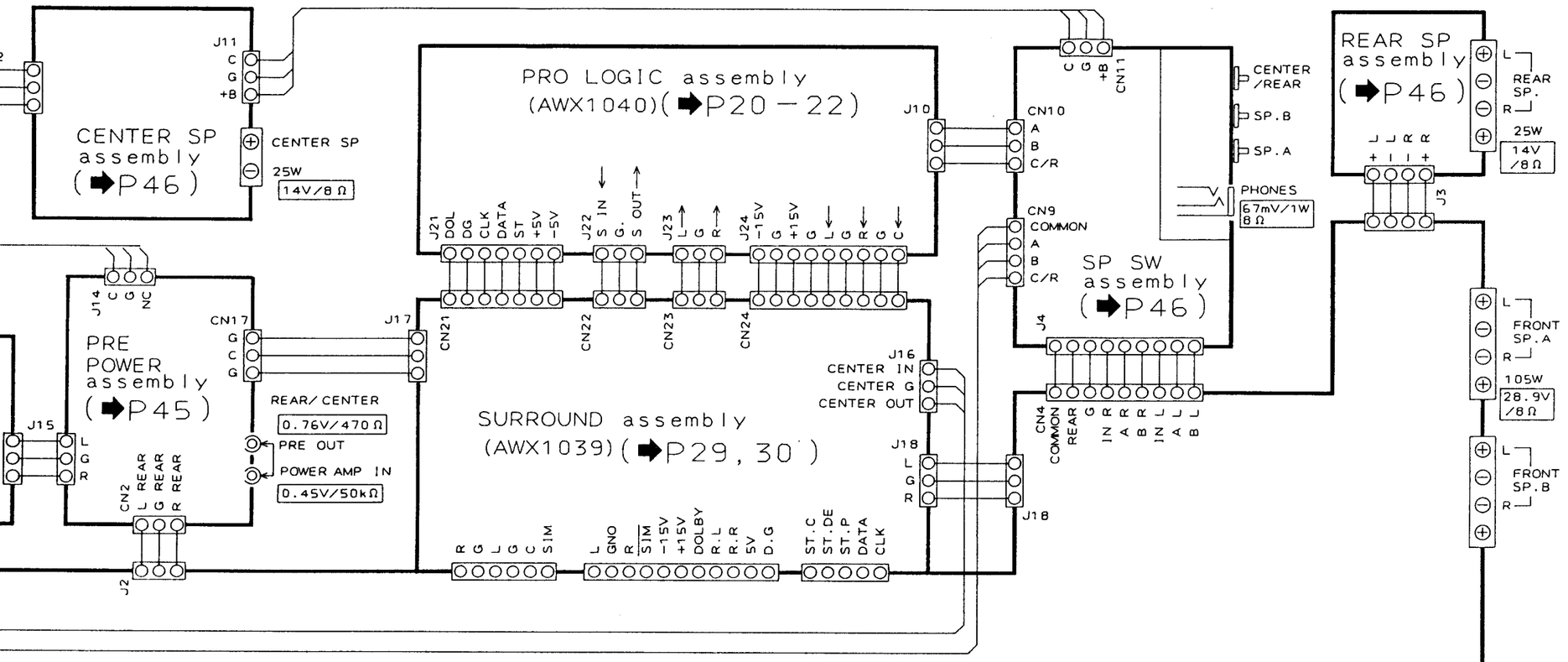
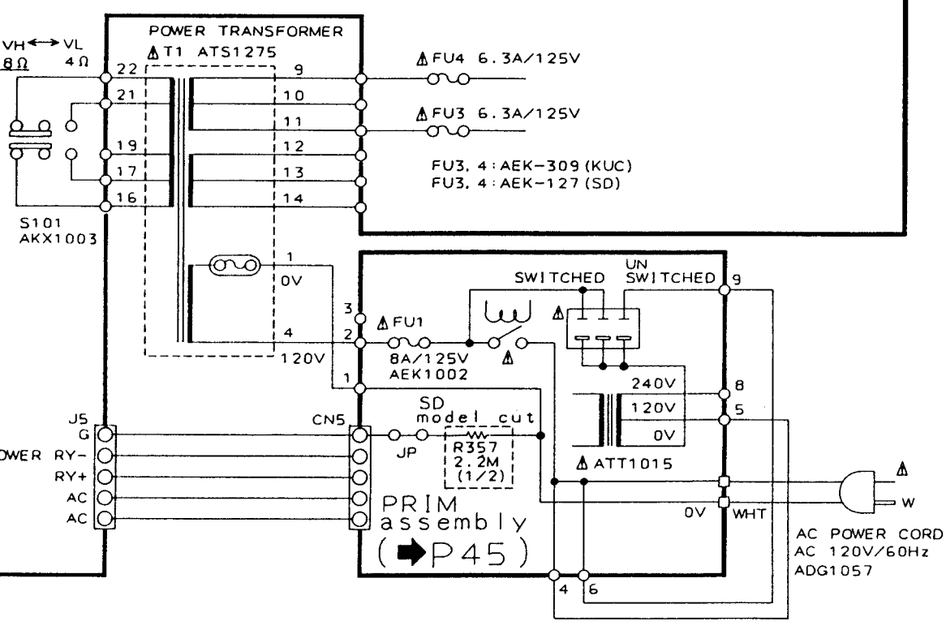
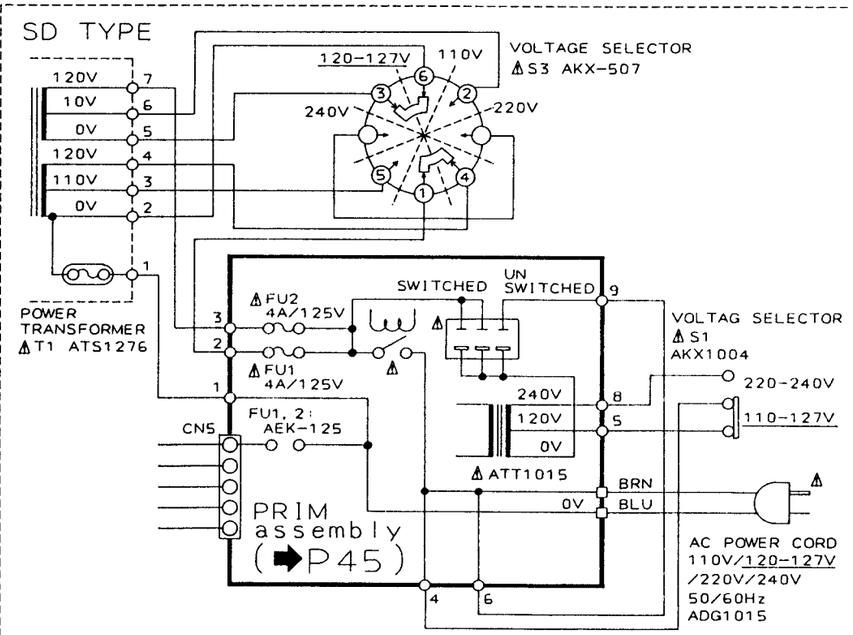
3. SCHEMATIC DIAGRAMS AND P.C.BOARDS CONNECTION DIAGRAMS

3.1 OVER ALL SCHEMATIC DIAGRAM









1. RESISTORS:
Indicated in Ω, ¼W, ⅛W, ±5% tolerance unless otherwise noted k : kΩ, M : MΩ, (F) : ±1%, (G) : ±2%, (K) : ±10% (M); ±20% tolerance

2. CAPACITORS:
Indicated in capacity (μF)/voltage (V) unless otherwise noted p : pF
Indication without voltage is 50V except electrolytic capacitor.

3. VOLTAGE, CURRENT:
▭ : Signal voltage at 100W + 100W /8Ω (FRONT), 20W + 20W /8Ω (REAR), 20W /8Ω (CENTER) output (1kHz)
▭ : DC voltage (V) at no input signal
Value in ( ) is DC voltage at rated power.
⇦mA : DC current at no input signal

4. OTHERS:
➡ : Signal route.
⊘ : Adjusting point.
The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
✳ marked capacitors and resistors have parts numbers.

This is the basic schematic diagram, but the actual circuit may vary due to improvements in design.

SWITCHES:

MAIN assembly

S101	VL(4Ω) - VH(8Ω)		

FRONT assembly

S301	MUTING	S331	NAME
S302	DELAY TIME	S332	SELECT
S303	ACOUSTIC MEMORY	S333	SCAN
S304	ACOUSTIC SELECT	S334	VCR1
S305	POWER	S335	VCR2
S306	BAL.L	S336	TV
S307	BAL.R	S337	LINE
S308	REAR −	S338	BASS +
S309	REAR +	S339	TREBLE +
S310	SOUND FIELD MEMORY	S340	V.SEL
S311	SOUND FIELD SELECT	S341	S.S
S312	1	S342	AUTO/MONO
S313	2	S343	AUTO/MANUAL
S314	3	S344	DIRECT
S315	4	S345	HITS
S316	5	S346	TAPE1
S317	6	S347	TAPE2
S318	7	S348	TUNER
S319	8	S349	PHONO
S320	9	S350	BASS −
S321	10	S351	TREBLE −
S322	OFF	S352	RETURN
S323	STUDIO	S353	TEST TONE
S324	SIMULATED	S354	CENTER MODE
S325	DOLBY	S355	CENTER −
S326	FM	S356	CENTER +
S327	AM	S357	3ch
S328	TUNING −	S358	VDP
S329	TUNING +	S359	CD
S330	MEMORY		

SP SW assembly
S360
SP A ON-OFF/SP B ON-OFF/CENTER-REAR ON-OFF

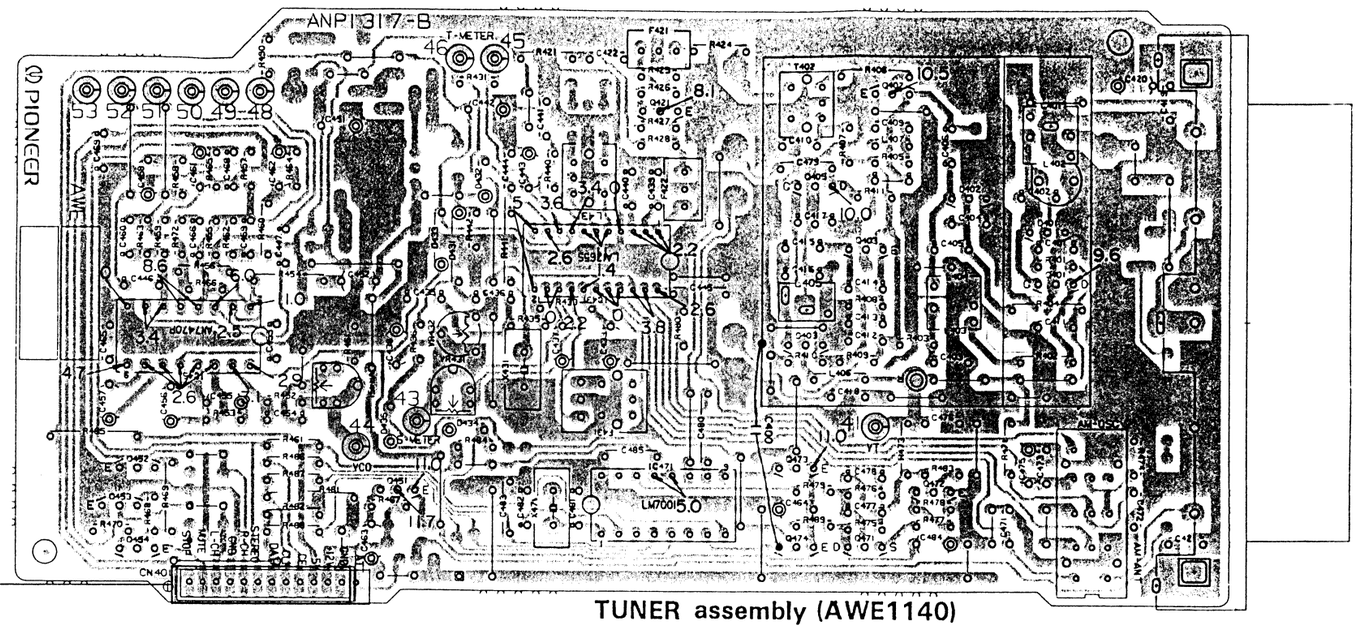
S1 VOLTAGE SELECTOR(SD TYPE ONLY)
220-240V / 110-127V

S3 VOLTAGE SELECTOR(SD TYPE ONLY)
110V / 120-127V / 220V / 240V

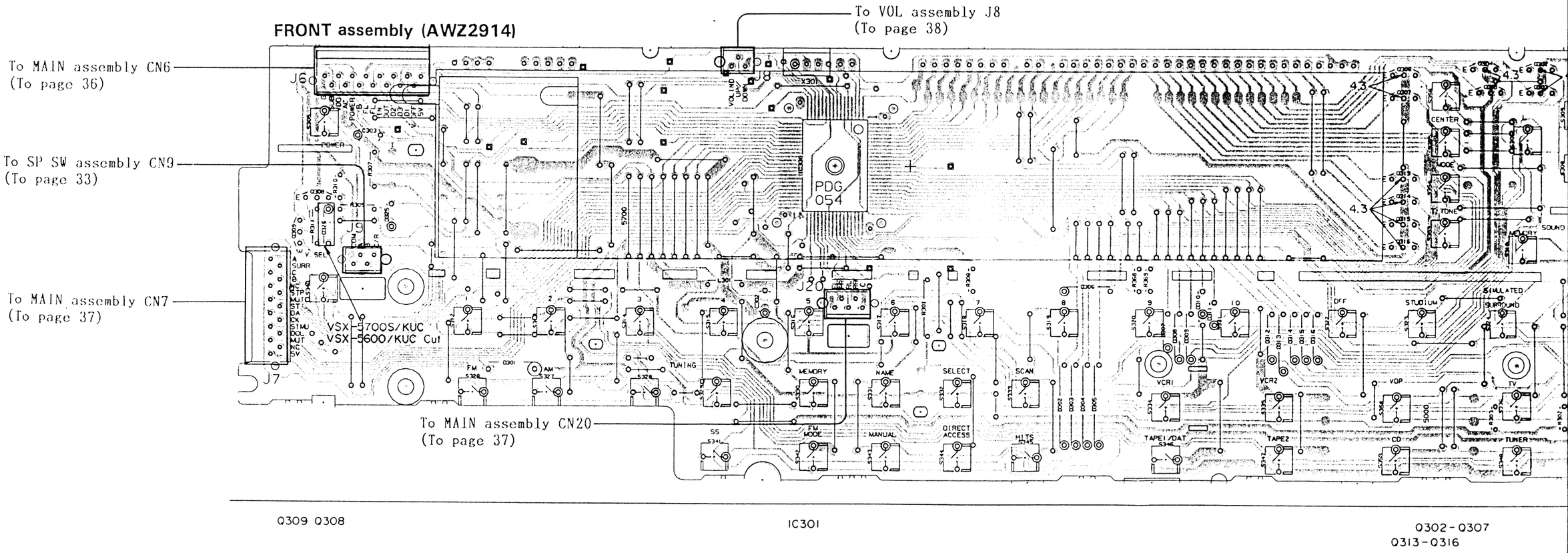
S4 75μS - 50μS (SD TYPE ONLY)

The underline indicates the switch position

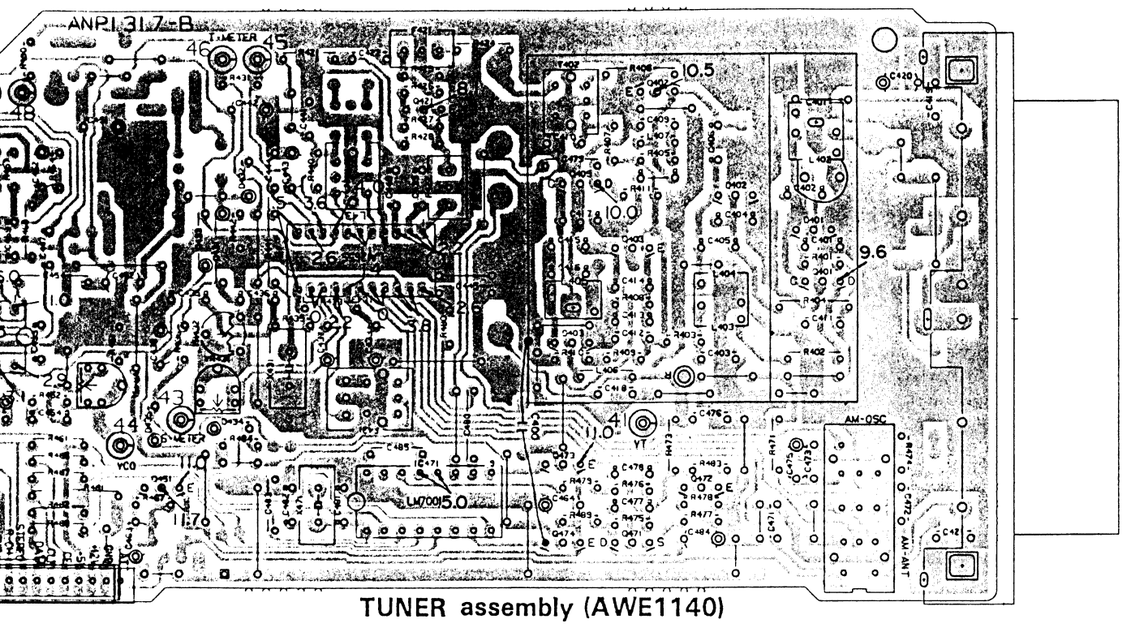
3.2 TUNER (AWE1140) and FRONT assembly (AWZ2914)



TUNER assembly (AWE1140)

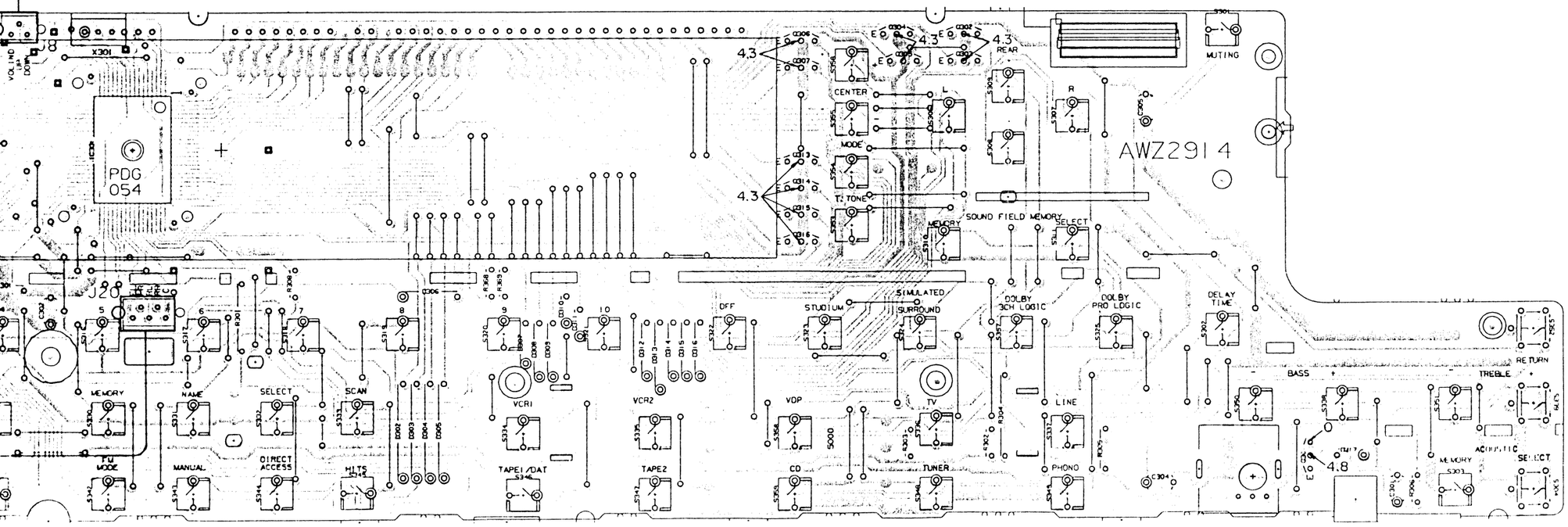


Q421 Q405 Q402
IC431 Q403 Q401
Q451 IC471 Q471-Q474
VR451 VR432 VR431



TUNER assembly (AWE1140)

To VOL assembly J8
(To page 38)



IC301 Q302-Q307 Q313-Q316 Q301

NOTE

1. This P.C.B connection diagram is viewed from the parts mounted side.
2. The parts which have been mounted on the board can be replaced with those shown with the corresponding wiring symbols listed in the following Table.

P.C.B. pattern diagram indication	Corresponding part symbol	Part Name
Q504 E	E or E	Transistor
Q215	or	Radiator type transistor
D203	D203	Diode
R237	R237	Resistor
C513	+	Capacitor (Polarity)
C518		Capacitor (Non-polarity)

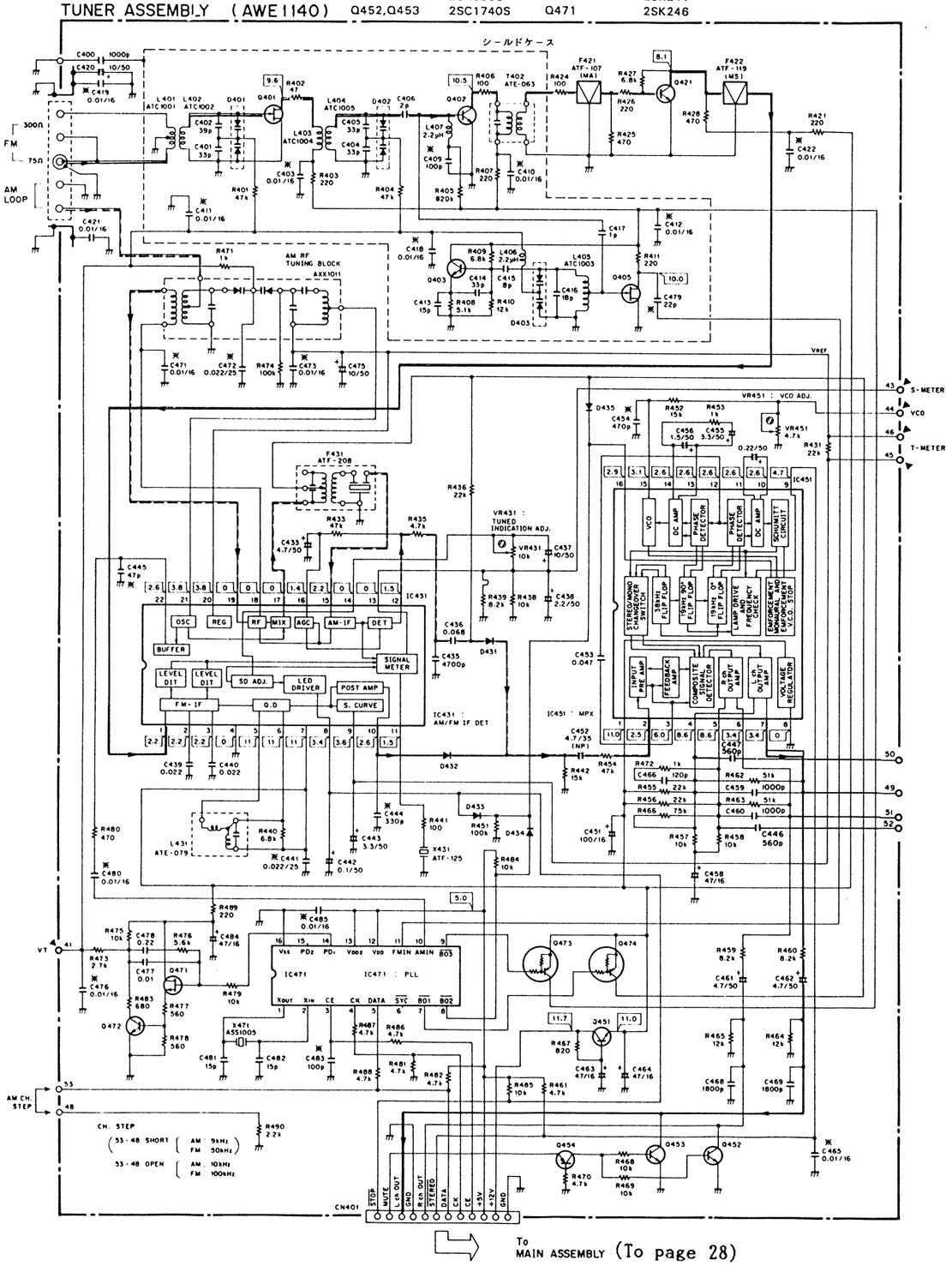
Others

P.C.B. pattern diagram indication	Part Name
IC	IC
S	Switch
RY	Relay
L	Coil
F	Filter
VR	Variable resistor or Semi-fixed resistor

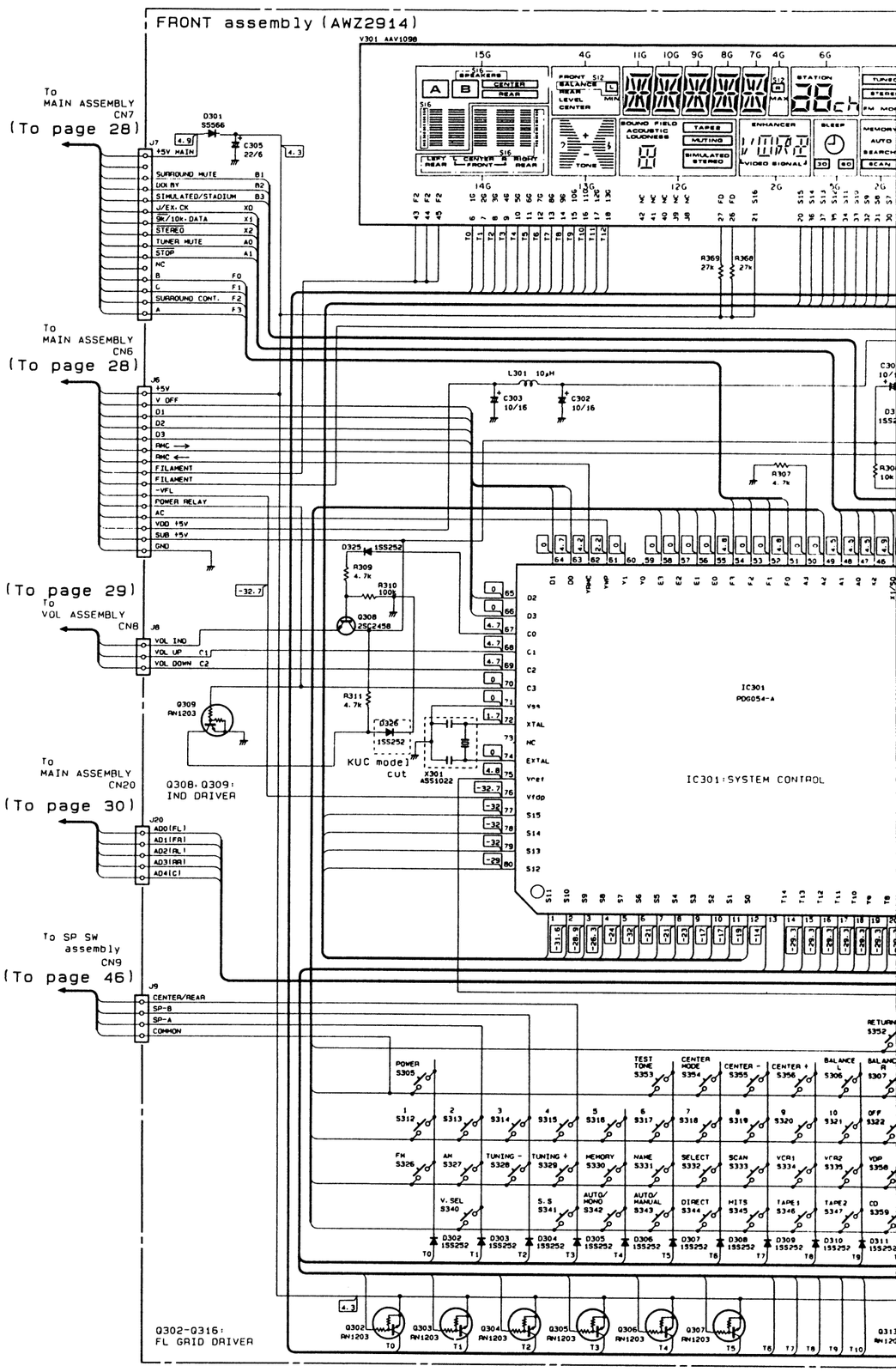
3. The capactor terminal marked with ◎(double circles) shows negatine termianl.
4. The diode terminal marked with ◎(double circles) shows cathode side.
5. The transistor terminal to which E is affixed shows the emitter.

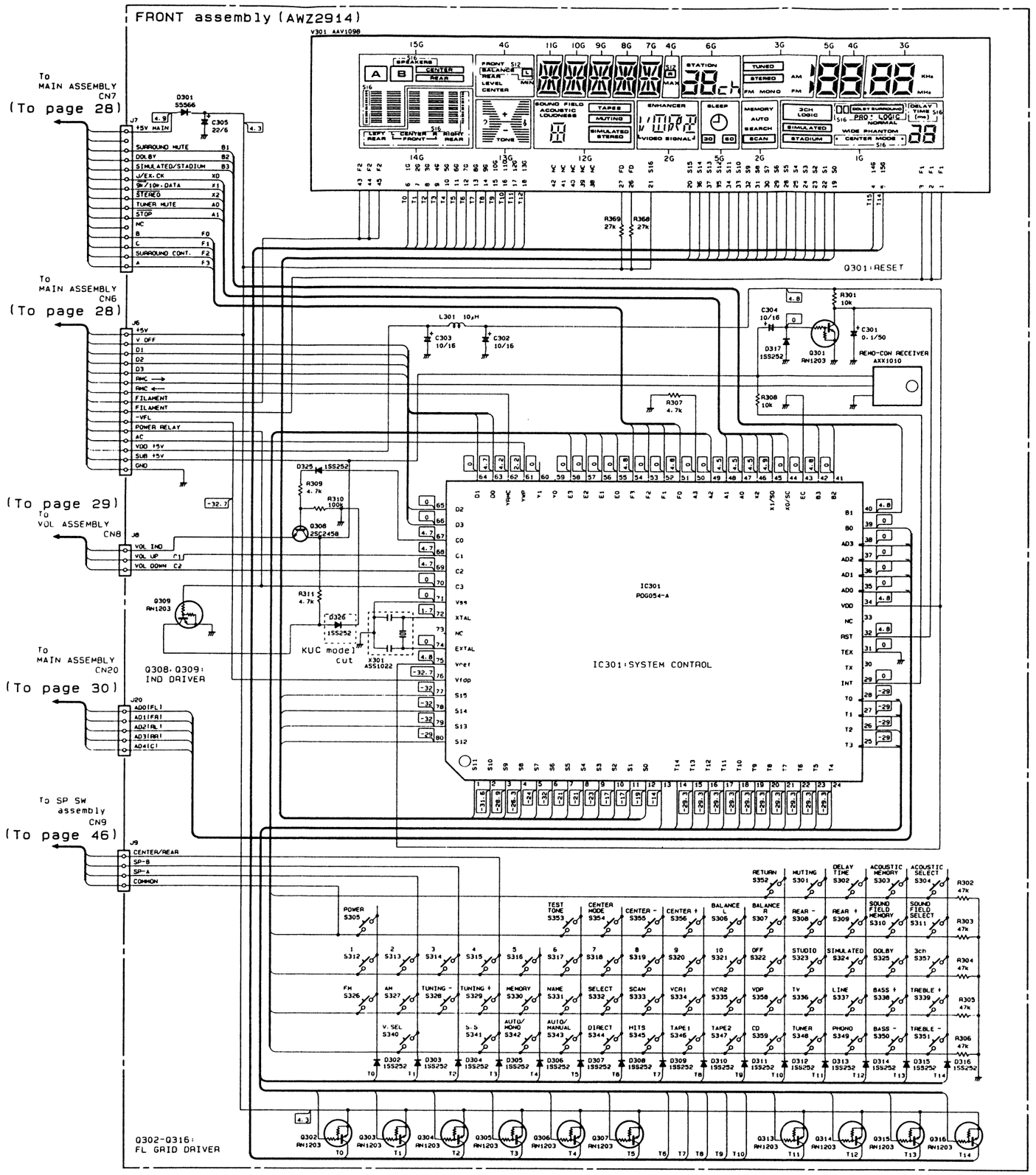
IC451	AN7470P	Q472	2SC1740SLN	D431 – D435	1SS252
IC431	LA1265S	Q451	2SC2603	D401 – D403	1SV147
IC471	LM7001	Q403,Q421	2SC2668		
		Q402	2SC2786		
Q473,Q474	RN2201	Q405	2SK161		
Q454	2SA933S	Q401	2SK241		
Q452,Q453	2SC1740S	Q471	2SK246		

TUNER ASSEMBLY (AWE1140)



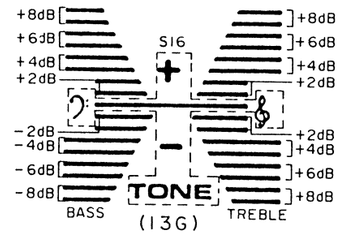
FRONT assembly (AWZ2914)



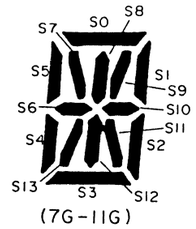

FRONT assembly (AWZ2914)
V301 AAV1098
To MAIN ASSEMBLY CN7
(To page 28)
To MAIN ASSEMBLY CN6
(To page 28)
(To page 29)
To VOL ASSEMBLY CN8
To MAIN ASSEMBLY CN20
(To page 30)
To SP SW assembly CN9
(To page 46)
+5V MAIN
SURROUND MUTE
DOLBY
SIMULATED/STADIUM
V/FX-CK
SW/10H-DATA
STEREO
TUNER MUTE
STOP
SURROUND CONT.
+5V
V OFF
FILAMENT
-VFL
POWER RELAY
AC
VDD +5V
SUB +5V
GND
VOL IND
VOL UP
VOL DOWN
CENTER/REAR
SP-B
SP-A
COMMON
S-METER
VCO
T-METER
0301 : RESET
REMO-CON RECEIVER AXX1010
IC301 PDG054-A
IC301 : SYSTEM CONTROL
KUC model cut
0308 · 0309 : IND DRIVER
Q302-Q316 : FL GRID DRIVER


(15G)
(14G)

A


+8dB
+6dB
+4dB
+2dB
-2dB
-4dB
-6dB
-8dB
S16
BASS
TONE
TREBLE
(13G)

B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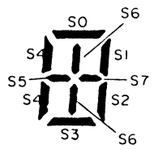
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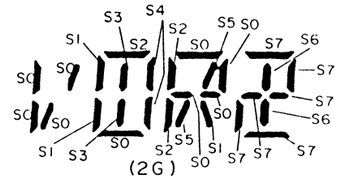
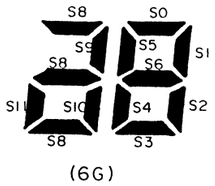

(2G)

C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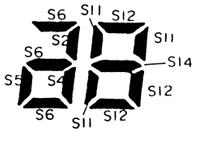
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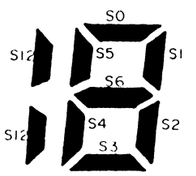
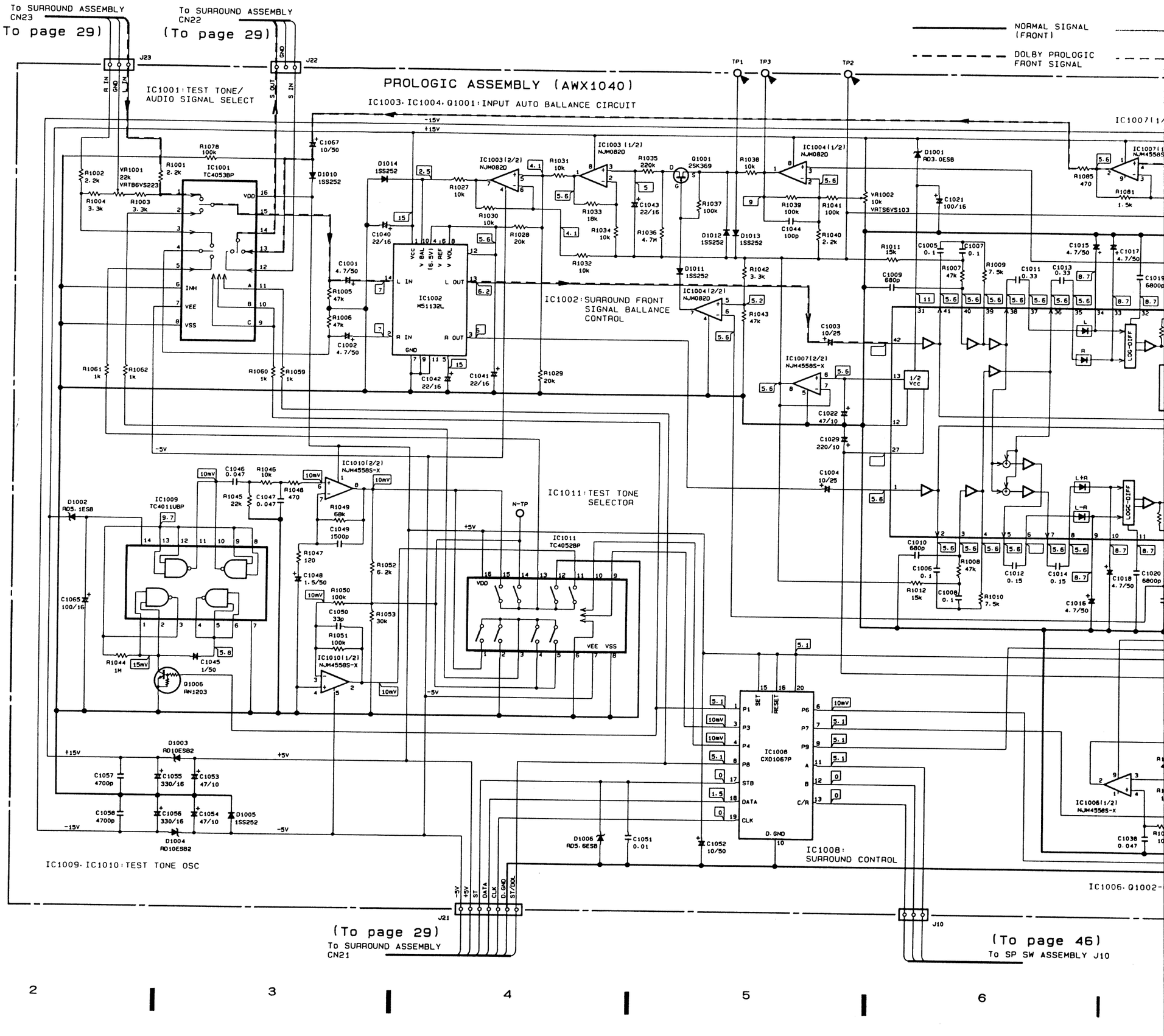

(3G-5G)

3.3 PRO LOGIC assembly (AWX1040)



NORMAL SIGNAL (FRONT)

DOLBY PROLOGIC FRONT SIGNAL

DOLBY PROLOGIC CENTER SIGNAL

DOLBY PROLOGIC REAR SIGNAL

To SURROUND ASSEMBLY CN24

(To page 29)

OLOGIC ASSEMBLY (AWX1040)

IC1004, Q1001 : INPUT AUTO BALLANCE CIRCUIT

IC1007(1/2) : BUFFER

IC1005 : ACTIVE MATRIX

IC1002 : SURROUND FRONT SIGNAL BALLANCE CONTROL

IC1011 : TEST TONE SELECTOR

IC1008 : SURROUND CONTROL

IC1006, Q1002-Q1005 : CENTER MODE SELECTOR(NORMAL/WIDE)

(To page 46)

To SP SW ASSEMBLY J10

NOTE

1. This P.C.B connection diagram is viewed from the parts mounted side.
2. The parts which have been mounted on the board can be replaced with those shown with the corresponding wiring symbols listed in the following Table.

P.C.B. pattern diagram indication	Corresponding part symbol	Part Name
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Q215	or	Radiator type transistor
D203	D203	Diode
R237	R237	Resistor
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C518		Capacitor (Non-polarity)

Others

P.C.B. pattern diagram indication	Part Name
IC	IC
S	Switch
RY	Relay
L	Coil
F	Filter
VR	Variable resistor or Semi-fixed resistor

3. The capactor terminal marked with ◎(double circles) shows negatine termianl.
4. The diode terminal marked with ◎(double circles) shows cathode side.
5. The transistor terminal to which E is affixed shows the emitter.

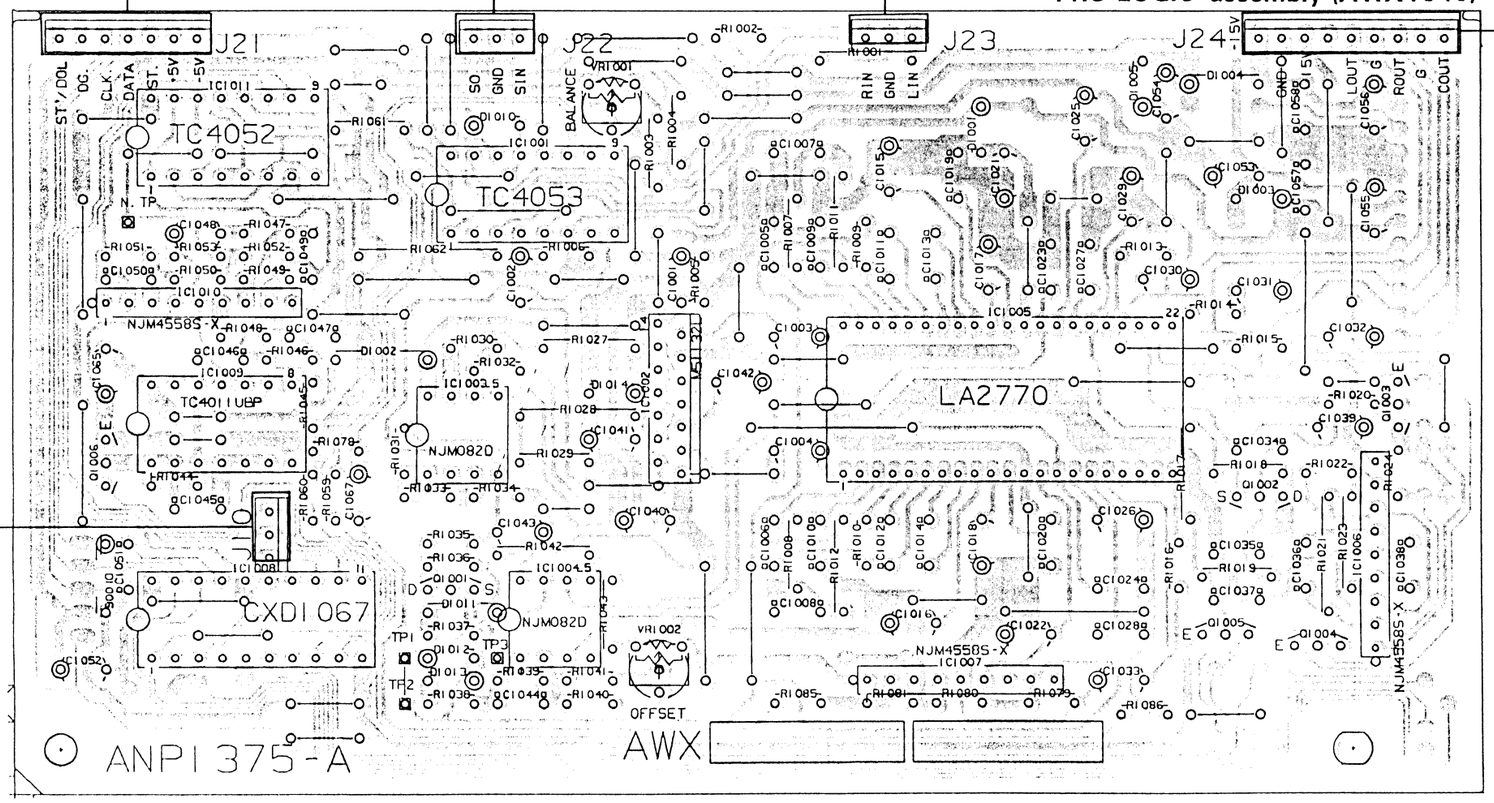
To SURROUND assembly CN21 (To page 38)

To SURROUND assembly CN22 (To page 38)

To SURROUND assembly CN23 (To page 38)

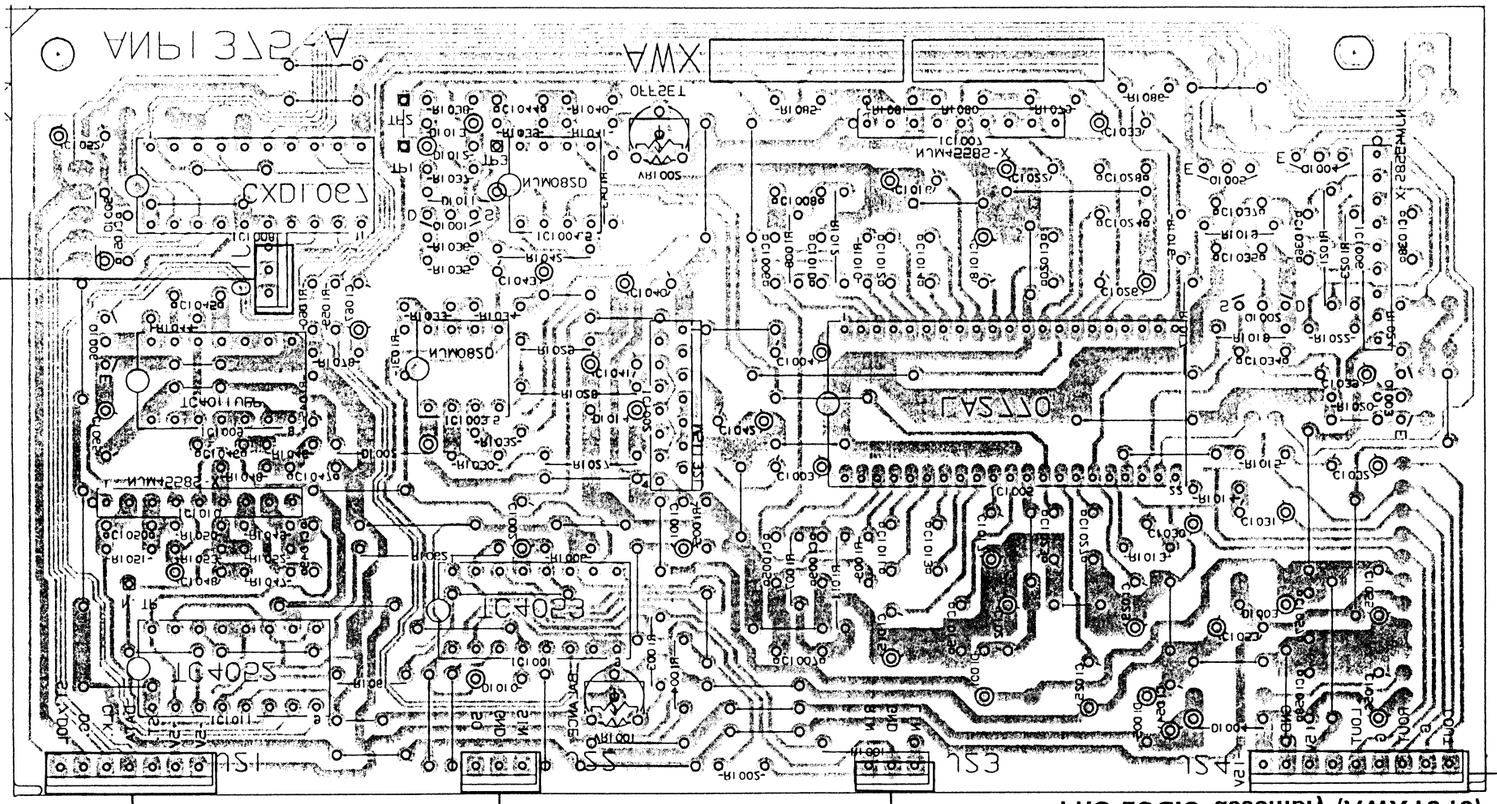
PRO LOGIC assembly (AWX1040)

To SURROUND assembly CN24 (To page 38)

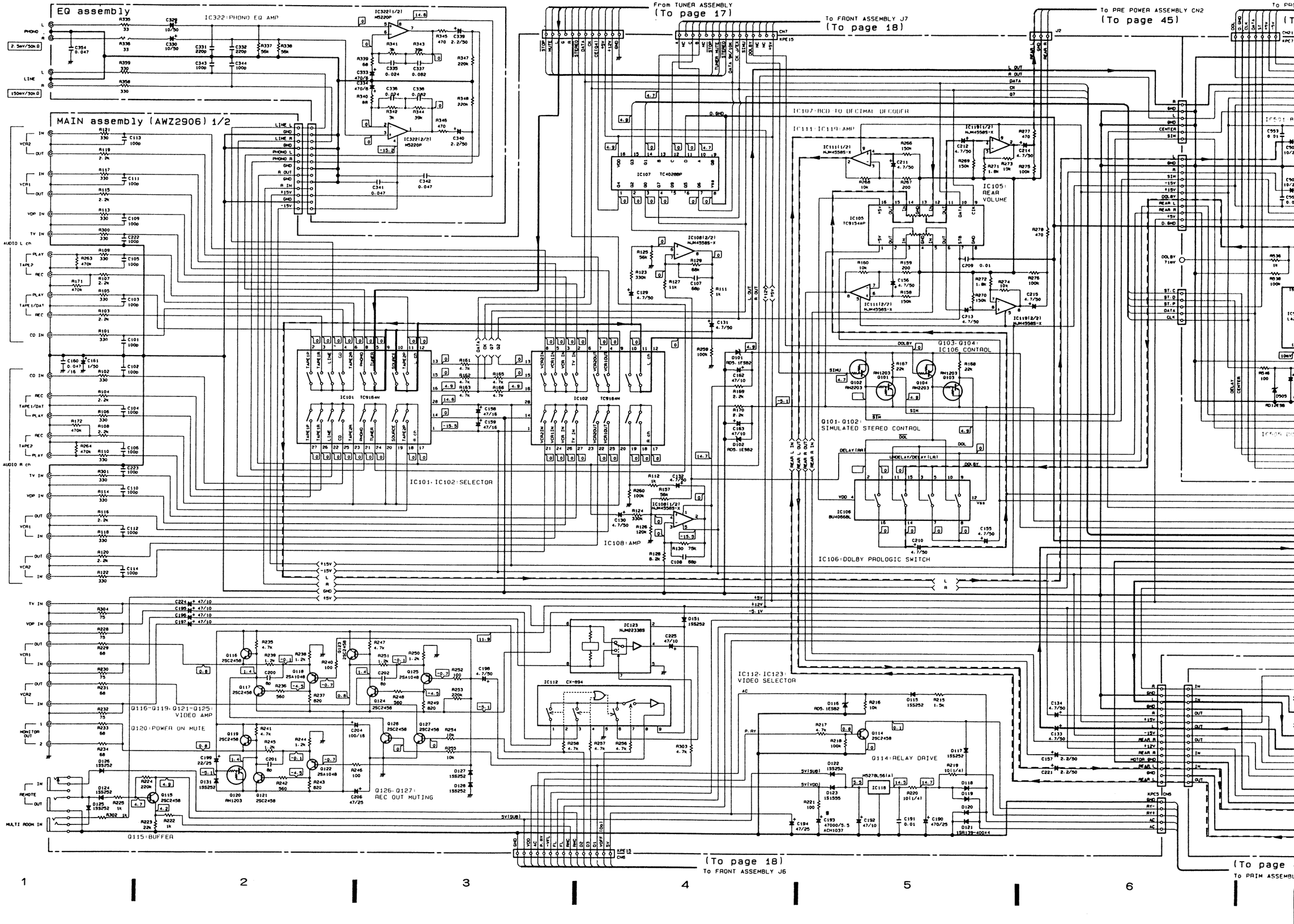


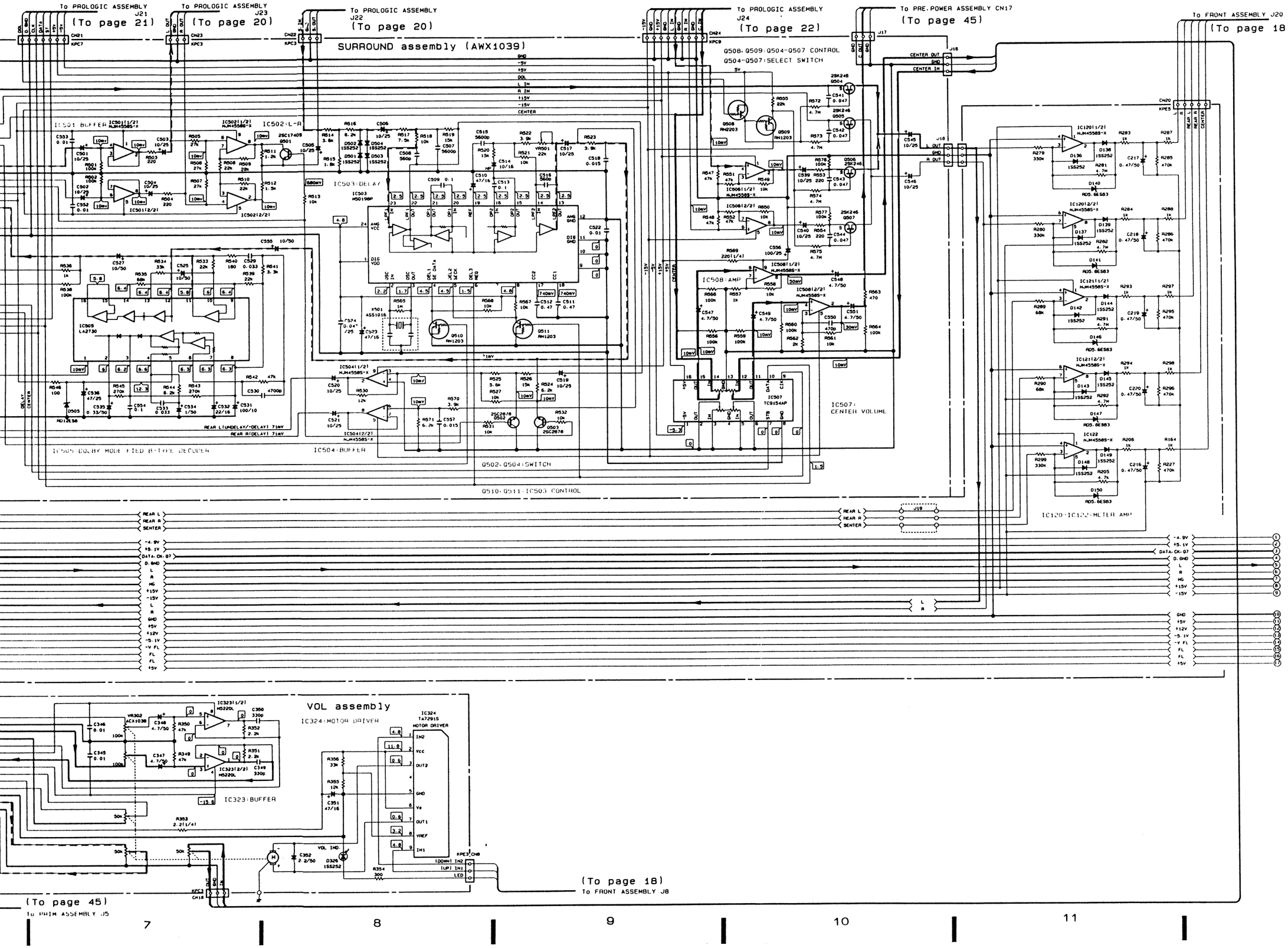
To SP SW assembly CN10 (To page P33)

PRO LOGIC assembly (AWXJ04)



3.4 MAIN (AWZ2906)(1/2), EQ, SURROUND (AWX1039) and VOL assembly





7 8 9 10 11 12

A B C D

NOTE

1. The P.C.B connection diagram is viewed from the parts mounted side.
2. The parts which have been mounted on the board can be replaced with those shown with the corresponding wiring symbols listed in the following Table.

P.C.B. pattern diagram indication	Corresponding part symbol	Part Name
Q504		Transistor
Q215		Radiator type transistor
D203	D203	Diode
R237	R237	Resistor
C513		Capacitor (Polarity)
C518		Capacitor (Non-polarity)

Others

P.C.B. pattern diagram indication	Part Name
IC	IC
S	Switch
RY	Relay
L	Coil
F	Filter
VR	Variable resistor or Semi-fixed resistor

3. The capacitor terminal marked with ◎(double circles) shows negative termianl.
4. The diode terminal marked with ◎(double circles) shows cathode side.
5. The transistor terminal to which E is affixed shows the emitter.

Q605 Q607 Q611 Q613 Q661 Q609 Q603 Q601 Q602 Q604 Q610 Q662 Q614 Q608 Q606 Q612

AMP assembly (AWH1008)

CENTER AMP assembly

SP SW assembly

CENTER SP assembly

REAR AMP L ch assembly

REAR SP assembly

REAR AMP R ch assembly

PRE POWER assembly

To FRONT assembly J9 (To page 14)

To PRO LOGIC assembly J10 (To page 23)

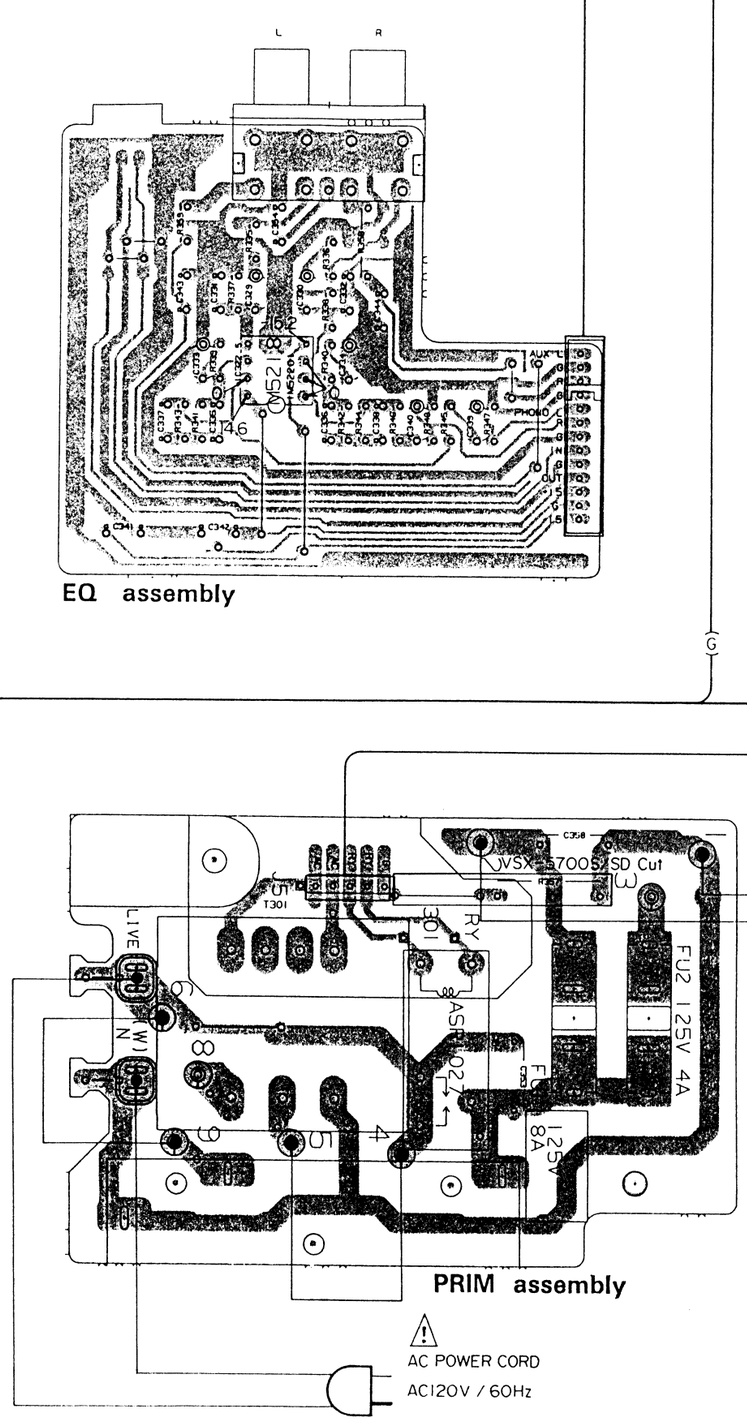
A

B

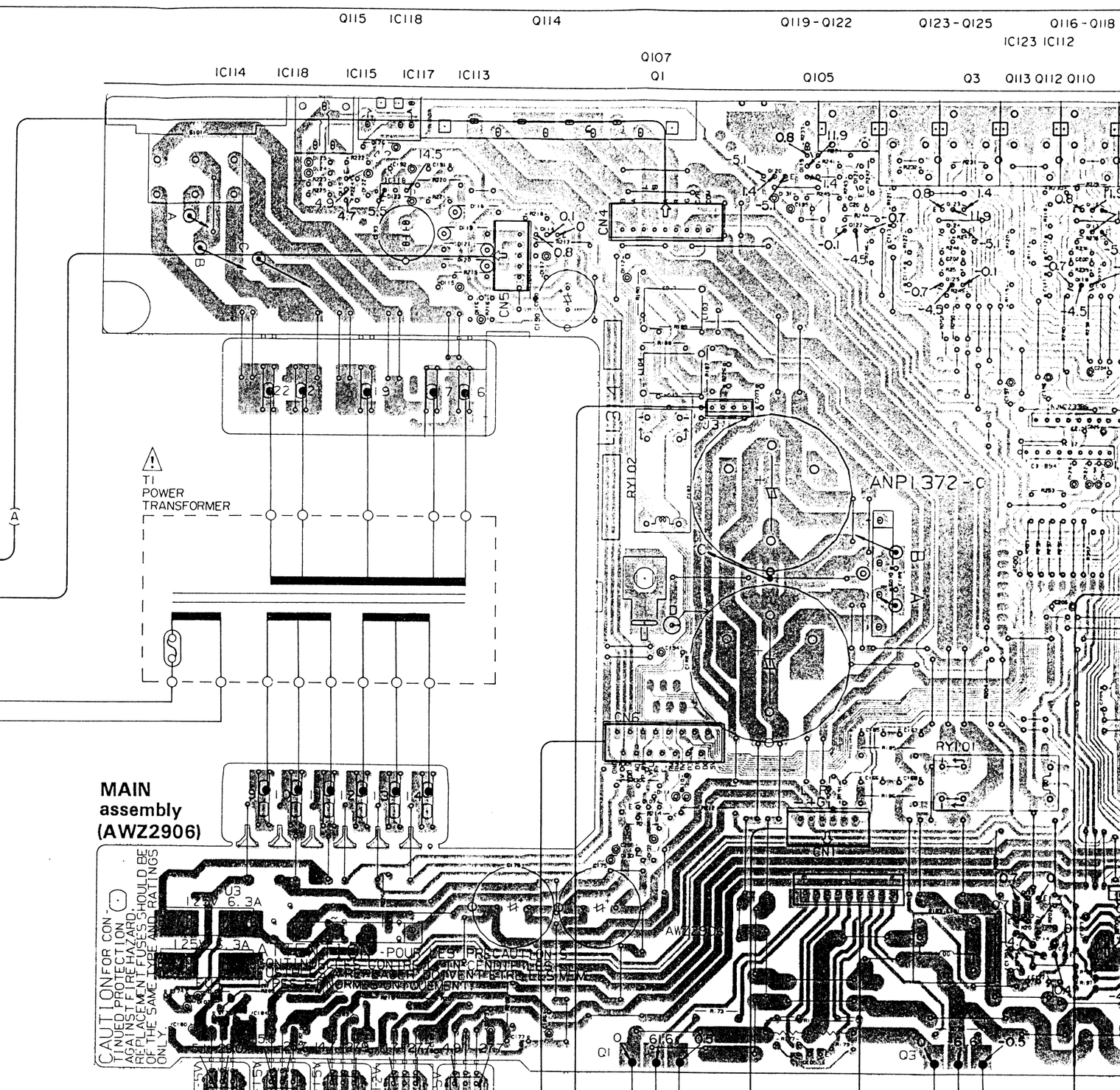
C

D

EQ assembly



PRIM assembly



MAIN assembly (AWZ2906)

To FRONT assembly J6
(To page 14)

7 8 9 10 11

A B C D

Q116-Q118
IC112 Q127 Q126 IC106 IC101 IC121
IC119 IC105 IC111 IC102 IC108 IC122
Q112 Q110 Q109 Q111 Q108 Q101-Q104 Q4 Q106 IC109 IC104 IC103 IC110 IC107 Q2 IC120

To TUNER assembly CN401 (To page 15)

To FRONT assembly J8 (To page 15)

VOL assembly

VR302

ANPI373-B

SURROUND assembly (AWX1039)

VR501

ANPI374-A

To FRONT assembly J20 (To page 15)

To FRONT assembly J7 (To page 14)

To PRO LOGIC assembly J21 (To page 23)

To PRO LOGIC assembly J22 (To page 23)

To PRO LOGIC assembly J23 (To page 23)

To PRO LOGIC assembly J24 (To page 24)

IC503 Q502 IC505 IC501 Q505 Q504 Q508 Q509 Q506 Q507 IC506
Q510 Q511 Q503 IC504 Q501 IC502 IC507 IC508

3.5 MAIN (AWZ2906)(2/2), AMP (AWH1008), REAR SP, CENTER AMP, CENTER SP, REAR AMP L ch, REAR AMP R ch, PRE POWER, PRIM and SP SW assembly

(To page 30) To SURROUND ASSEMBLY J17
(To page 28) To MAIN ASSEMBLY(1/2) J2

MAIN assembly (AWZ2906) 2/2

AMP assembly (AWH1008)

Q1-Q4:POWER AMP

Q601-Q614:POWER AMP

Q661-Q662:OVER LOAD DETECTION

IC109(2/2)·IC110(2/2):BUFFER

IC109(1/2)·IC110(1/2):AMP

IC103:BALANCE CONTROL

IC104:TONE CONTROL

Q108-Q110·Q112·Q113:DC DETECTION

Q111:OVER LOAD DETECTION

Q113-Q118:REGULATOR

7 8 9 10 11

PRE POWER assembly

To FRONT ASSEMBLY J9
(To page 18)

To PROLOGIC ASSEMBLY J10
(To page 21)

REAR AMP Lch assembly

Q751:OVER LOAD DETECTION

Q741.Q743.Q745.Q747.Q749:POWER AMP

REAR AMP Rch assembly

Q740.Q742.Q744.Q746.Q748:POWER AMP

Q757:OVER LOAD DETECTION

Q752-Q756:POWER AMP

CENTER AMP assembly

SP SW assembly

Q324-Q326:RELAY DRIVE

CENTER SP assembly

REAR SP assembly

PRIM assembly

SD model cut

(To page 28)
To MAIN ASSEMBLY(1/2)
CN5

A B C D

46

7 8 9 10 11 12

4. P.C.B 's PARTS LIST

NOTES:

- *Parts without part number cannot be supplied.*
- *Parts marked by "◉" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *When ordering resistors, first convert resistance values into code form as shown in the following examples.*

Ex. 1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J = 5%, and K = 10%).

560Ω	*56 × 10¹*	*561*	*RD1/4PS 5 6 1 J*
47kΩ	*47 × 10³*	*473*	*RD1/4PS 4 7 3 J*
0.5Ω	*0R5*		*RN2H 0 R 5 K*
1Ω	*010*		*RS1P 0 1 0 K*

Ex. 2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62kΩ	*562 × 10¹*	*5621*	*RN1/4SR 5 6 2 1 F*

Mark	No.	Description	Parts No.
TUNER ASSEMBLY (AWE1140)			
SEMICONDUCTORS			
	IC431	AM/FM IC	LA1265S
	IC451	MPX IC	AN7470P
	IC471	PLL IC	LM7001
	Q401	MOS−FET	2SK241
	Q402	TRANSISTOR	2SC2786
	Q403	TRANSISTOR	2SC2668
	Q405	N−FET	2SK161
	Q421	TRANSISTOR	2SC2668
	Q451	TRANSISTOR	2SC2603
	Q452,453	TRANSISTOR	2SC1740S
	Q454	TRANSISTOR	2SA933S
	Q471	N−FET	2SK246
	Q472	TRANSISTOR	2SC1740SLN
	Q473,474	TRANSISTOR	RN2201
	D401−403	VARI−CAP DIODE	1SV147
	D431−435	DIODE	1SS252
COILS & TRANSFORMER			
	L401	COIL	ATC1001
	L402	COIL	ATC1002
	L403	COIL	ATC1004
	L404	COIL	ATC1005
	L405	COIL	ATC1003
	L406,407	AXIAL INDUCTOR	LAU2R2M
	L431	COIL	ATE−079
	T402	IF TRANSFORMER	ATE−063
FILTERS			
	F421	CERAMIC FILTER	ATF−107
	F422	CERAMIC FILTER	ATF−119
	F431	CERAMIC FILTER	ATF−208
CAPACITORS			
	C400	CERAMIC CAPACITOR	CKDYF102Z50
	C401	CERAMIC CAPACITOR	CCDRH330J50
	C402	CERAMIC CAPACITOR	CCDRH390J50
	C403	CERAMIC CAPACITOR	ACG1021
	C404,405	CERAMIC CAPACITOR	CCDRH330J50
	C406	CERAMIC CAPACITOR	CCDCH020C50
	C409	CERAMIC CAPACITOR	ACG1017
	C410−412	CERAMIC CAPACITOR	ACG1021
	C413	CERAMIC CAPACITOR	CCDCH150J50
	C414	CERAMIC CAPACITOR	CCDCH330J50
	C415	CERAMIC CAPACITOR	CCDCH080D50
	C416	CERAMIC CAPACITOR	CCDTH180J50
	C417	CERAMIC CAPACITOR	CCDCH010C50
	C418,419	CERAMIC CAPACITOR	ACG1021
	C420	ELECTR.CAPACITOR	CEAS100M50
	C421,422	CERAMIC CAPACITOR (0.01μ)	ACG1021
	C433	ELECTR.CAPACITOR	CEAS4R7M50
	C435	CERAMIC CAPACITOR	CKCYF472Z50
	C436	CERAMIC CAPACITOR	CKCYX683M25
	C437	ELECTR.CAPACITOR	CEAS100M50
	C438	ELECTR.CAPACITOR	CEAS2R2M50
	C439,440	CERAMIC CAPACITOR	CKCYF223Z50
	C441	CERAMIC CAPACITOR (0.022μ)	ACG1022
	C442	ELECTR.CAPACITOR	CEAS0R1M50
	C443	ELECTR.CAPACITOR	CEAS3R3M50
	C444	CERAMIC CAPACITOR (380p)	ACG1018
	C445	CERAMIC CAPACITOR (47p)	ACG1016
	C446,447	MYLOR FILM CAPACITOR	CQMA561K50
	C451	ELECTR.CAPACITOR	CEAS101M16
	C452	ELECTR.CAPACITOR	CEANP4R7M35
	C453	CERAMIC CAPACITOR	CKCYF473Z50
	C454	(470p)	ACE1039
	C455	ELECTR.CAPACITOR	CEAS3R3M50
	C456	ELECTROLYTIC CAPACITOR	CEAS1R5M50
	C457	ELECTR.CAPACITOR	CEASR22M50

Mark	No.	Description	Parts No.
	C458	ELECTR.CAPACITOR	CEAS470M16
	C459,460	MYLOR FILM CAPACITOR	CQMA102J50
	C461,462	ELECTR.CAPACITOR	CEAS4R7M50
	C463,464	ELECTR.CAPACITOR	CEAS470M16
	C465	CERAMIC CAPACITOR	ACG1021
	C466	CERAMIC CAPACITOR	CCCSL121J50
	C468,469	MYLOR FILM CAPACITOR	CQMA182J50
	C471	CERAMIC CAPACITOR	ACG1021
	C472	CERAMIC CAPACITOR	ACG1022
	C473	CERAMIC CAPACITOR	ACG1021
	C475	ELECTR.CAPACITOR	CEAS100M50
	C476	CERAMIC CAPACITOR	ACG1021
	C477	CERAMIC CAPACITOR	CKCYF103Z50
	C478	AUDIO FILM CAPACITOR	CFTXA224J50
	C479	CERAMIC CAPACITOR (22p)	ACG1025
	C480	CERAMIC CAPACITOR	ACG1021
	C481,482	CERAMIC CAPACITOR	CCDCH150J50
	C483	CERAMIC CAPACITOR (100p)	ACG1017
	C484	ELECTR.CAPACITOR	CEAS470M16
	C485	CERAMIC CAPACITOR	ACG1021
RESISTORS			
	VR431	VR(10K)	ACP1025
	VR432	VR	VRTS6VS153
	VR451	VR(4.7K)	ACP1024
		Other resistors	RD1/8PM□□□J
OTHERS			
	X431	CERAMIC FILTER	ATF-125
	X471	CRYSTAL RESONATOR	ASS1005
		ANTENNA TERMINAL 4-P	AKA1014
		AM RF TUNING BLOCK	AXX1011

MAIN ASSEMBLY (AWZ2906)

Mark	No.	Description	Parts No.
SEMICONDUCTORS			
	IC101,102	E-SW IC	TC9164N
	IC103	E-VR IC	TC9154AP
	IC104	E-TONE CONTROL IC	TC9184P
	IC105	E-VR IC	TC9154AP
	IC106	LOGIC IC	BU4066BL
	IC107	LOGIC IC	TC4028BP
	IC108	OP-AMP IC	NJM4558S-X
	IC109,110	OP-AMP IC	M5220L
	IC111	OP-AMP IC	NJM4558S-X
	IC112	E-SW IC	CX-894
	IC113	REGURATOR IC	M5F78M05L
	IC114	REGURATOR IC	M5F79M05L
	IC115	REGURATOR IC	M5F78M15L
	IC116	REGURATOR IC	M5F79M15L
	IC117	REGURATOR IC	M5F78M12L
	IC118	REGURATOR IC	M5278L56(A)
	IC119-122	OP-AMP IC	NJM4558S-X
	IC123	E-SW IC	NJM2233BS
	Q101	TRANSISTOR	RN1203
	Q102	TRANSISTOR	RN2203
	Q103	TRANSISTOR	RN1203
	Q104	TRANSISTOR	RN2203
	Q105,106	TRANSISTOR	2SC2603
	Q107-110	TRANSISTOR	2SC2458
	Q111	TRANSISTOR	2SA1048
	Q112	TRANSISTOR	2SC2458
	Q113	TRANSISTOR	2SD438
	Q114-117	TRANSISTOR	2SC2458
	Q118	TRANSISTOR	2SA1048
	Q119	TRANSISTOR	2SC2458
	Q120	TRANSISTOR	RN1203
	Q121	TRANSISTOR	2SC2458
	Q122	TRANSISTOR	2SA1048
	Q123,124	TRANSISTOR	2SC2458
	Q125	TRANSISTOR	2SA1048
	Q126,127	TRANSISTOR	2SC2458
	D103	DIODE	RBV602
	D101,102	ZENER DIODE	RD5.1ESB2
	D107,108	DIODE	1S2471
	D109	DIODE	D5SB20F
	D110-112	DIODE	1SS252
	D114	ZENER DIODE	HZS9AL
	D115	DIODE	1SS252
	D116	ZENER DIODE	RD5.1ESB2
	D117	DIODE	1SS252
	D118-121	DIODE	1SR139-40
	D122	DIODE	1SS252
	D123	DIODE	1S1555
	D124-128	DIODE	1SS252
	D131,132	DIODE	1SS252
	D133	ZENER DIODE	RD5.1ESB2
	D134-139	DIODE	1SS252
	D140,141	ZENER DIODE	RD5.6ESB3
	D142-145	DIODE	1SS252
	D146,147	ZENER DIODE	RD5.6ESB3
	D148,149	DIODE	1SS252
	D150	ZENER DIODE	RD5.6ESB3
	D151	DIODE	1SS252
COILS			
	L101,102	COIL	ATH1004
	L103,104	COIL	ATH1011

Mark	No.	Description	Parts No.
RELAY			
	RY102	RELAY	ASR1005
SWITCH			
	S101	VOLTAGE SELECTOR	AKX1033
CAPACITORS			
	C101−106	CERAMIC CAPACITOR	CCMSL101J50
	C107,108	CERAMIC CAPACITOR	CCMSL680J50
	C109−114	CERAMIC CAPACITOR	CCMSL101J50
	C129−134	ELECTR.CAPACITOR	CEAS4R7M50
	C135,136	ELECTR.CAPACITOR	CEAS2R2M50
	C137,138	CERAMIC CAPACITOR	CCMSL820J50
	C139,140	ELECTR.CAPACITOR	CEAS010M50
	C141,142	MYLOR FILM CAPACITOR	CQMA272K50
	C143,144	ELECTR.CAPACITOR	CEAS100M25
	C145,146	AUDIO FILM CAPACITOR	CFTXA823J50
	C147−150	AUDIO FILM CAPACITOR	CFTXA153J50
	C151−156	ELECTR.CAPACITOR	CEAS4R7M50
	C157	ELECTR.CAPACITOR	CEAS2R2M50
	C158,159	ELECTR.CAPACITOR	CEAS470M16
	C160	CERAMIC CAPACITOR	CKDYX473M16
	C161	ELECTR.CAPACITOR	CEAS010M50
	C162,163	ELECTR.CAPACITOR	CEAS470M10
	C164	ELECTR.CAPACITOR	CEAS010M50
	C165−168	AUDIO FILM CAPACITOR	CFTXA104J50
	C169	ELECTROLYTIC CAPACITOR	CEAS471M6
	C170	ELECTROLYTIC CAPACITOR	CEANP4R7M50
	C171	CERAMIC CAPACITOR	CKCYF473Z50
	C172	ELECTROLYTIC CAPACITOR	CEANP220M35
	C173	ELECTR.CAPACITOR	CEAS101M16
	C174	CKA(0.01/AC150V)	ACG1005
	C175,176	ELECTROLYTIC CAPACITOR	ACH1021
	C177,178	CERAMIC CAPACITOR	CKCYF473Z50
	C179,180	ELECTR.CAPACITOR	CEAS470M25
	C181,182	CERAMIC CAPACITOR	CKCYF473Z50
	C183,184	ELECTR.CAPACITOR	CEAS470M25
	C185	CERAMIC CAPACITOR	CKCYF473Z50
	C186	ELECTR.CAPACITOR	CEAS470M25
	C187,188	ELECTROLYTIC CAPACITOR	ACH1074
	C189	CKA(0.01/AC150V)	ACG1005
	C190	ELECTROLYTIC CAPACITOR	CEAS471M25
	C191	CERAMIC CAPACITOR	CKCYF103Z50
	C192	ELECTR.CAPACITOR	CEAS470M10
	C193	CEA(47000/5.5V)	ACH1037
	C194	ELECTR.CAPACITOR	CEAS470M25
	C195−197	ELECTR.CAPACITOR	CEAS470M10
	C198	ELECTR.CAPACITOT	CEAS4R7M50
	C199	ELECTR.CAPACITOR	CEAS220M25
	C200−202	CERAMIC CAPACITOR	CCMSL080D50
	C203	AUDIO FILM CAPACITOR	CFTXA473J50
	C204	ELECTR.CAPACITOR	CEAS101M16
	C205	ELECTR.CAPACITOR	CEAS470M50
	C206	ELECTR.CAPACITOR	CEAS470M25
	C208,209	CERAMIC CAPACITOR	CKCYF103Z50
	C210−215	ELECTR.CAPACITOR	CEAS4R7M50
	C216−220	ELECTR.CAPACITOR	CEASR47M50
	C221	ELECTR.CAPACITOR	CEAS2R2M50
	C222,223	CERAMIC CAPACITOR	CCMSL101J50
	C224,225	ELECTR.CAPACITOR	CEAS470M10
	C226	AUDIO FILM CAPACITOR	CFTXA473J50
	C228		CQMXA103J100
RESISTORS			
	R173−176	CARBON FILM RESISTOR	RD1/4PMF4R7J
	R181,182	RESISTOR(0.33,5W)	ACN−139
	R183−186	METAL OXIDE RESISTOR	RS1LMF100J
	R187−190	CARBON FILM RESISTOR	RD1/4PMF100J
	R204	CARBON FILM RESISTOR	RD1/4PMF101J
	R207−209	CARBON FILM RESISTOR	RD1/4PMF4R7J
	R210	CARBON FILM RESISTOR	RD1/2PMF8R2J
	R211	CARBON FILM RESISTOR	RD1/4PMF4R7J
	R212	CARBON FILM RESISTOR	RD1/4PMF100J
	R219,220	CARBON FILM RESISTOR	RD1/4PMF100J
	R226	FUSLIBLE RESISTOR	RFA 1/4PS220J
	R305,306	CARBON FILM RESISTOR	RD1/4PMF010J
	R307	CARBON FILM RESISTOR	RD1/4PMF470J
		Other resistors	RD1/8PM□□□J
OTHERS			
		2−P TERMINAL	AJB 1100
		4−P TERMINAL	AJB 1101
		3−P TERMINAL	AJB 1102
		2−P TERMINAL	AJB 1103
		SPEAKER TERMINAL 8−P	AJE −111

Mark	No.	Description	Parts No.
		JACK 2-P	AKN1006
		JACK	AKN1020
		AMP ASSEMBLY	AWH1008
		SURROUND ASSEMBLY	AWX1039
	CN1	JUMPER CONNECTOR 6-P	KPC6
	CN20	JUMPER CONNECTOR 5-P	KPE5
	CN4	JUMPER CONNECTOR 9-P	KPC9
	CN5	JUMPER CONNECTOR 5-P	KPC5
	CN6	JUMPER CONNECTOR 15-P	KPE15
	CN7	JUMPER CONNECTOR 15-P	KPE15

AMP ASSEMBLY (AWH1008)

Note: AMP assembly (AWH1008) is a part of MAIN assembly (AWZ2906).

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	Q601,602	TRANSISTOR	2SA979
	Q603,604	TRANSISTOR	2SC2240
	Q605,606	TRANSISTOR	2SA970
	Q607,608	TRANSISTOR	2SA1145
	Q609,610	TRANSISTOR	2SC2705
⚠	Q611,612	TRANSISTOR	2SC3298
⚠	Q613,614	TRANSISTOR	2SA1306
	Q661,662	TRANSISTOR	2SC2240
	D601-612	DIODE	1SS252
	D661-666	DIODE	1SS252

CAPACITORS

No.	Description	Parts No.
C601,602	MYLOR FILM CAPACITOR	CQMA102J50
C603,604	ELECTR.CAPACITOR	CEAS2R2M50
C605,606	CERAMIC CAPACITOR	CKCYB222K50
C607,608	ELECTROLYTIC CAPACITOR	CEXA471M16
C609,610	MICA CAPACITOR	CMA100D500
C611,612	CERAMIC CAPACITOR	CCCSL020C500
C619-622	CERAMIC CAPACITOR	CCCSL101K500
C623,624	CERAMIC CAPACITOR	CKCYX473M25
C625-628	CAPACITOR(CERAMIC)	ACG-009
C629,630	CERAMIC CAPACITOR	CCCSL101J50
C661,662	ELECTROLYTIC CAPACITOR	CEANP2R2M100

RESISTORS

No.	Description	Parts No.
R605,606	CARBON FILM RESISTOR	RDR1/4PM513J
R613-616	FUSLIBLE RESISTOR	RFA1/4PS101J
R617,618	CARBON FILM RESISTOR	RDR1/4PM431J
R619,620	CARBON FILM RESISTOR	RDR1/2PM123J
R621,622	FUSLIBLE RESISTOR	RFA1/4PS680J
R625,626	FUSLIBLE RESISTOR	RFA1/4PS470J
R641-644	CARBON FILM RESISTOR	RD1/4PMF151J
R645-648	CARBON FILM RESISTOR	RD1/4PMF101J
R649-652	FUSLIBLE RESISTOR	RFA1/4PS4R7J
R661-664	CARBON FILM RESISTOR	RD1/4PMF222J
R665-668	CARBON FILM RESISTOR	RD1/8PM153J
R669,670	CARBON FILM RESISTOR	RD1/8PM183J
	Other resistors	RD1/4PM□□□J

SURROUND ASSEMBLY (AWX1039)

Note: SURROUND assembly (AWX1039) is a part of MAIN assembly (AWZ2906).

SEMICONDUCTORS

No.	Description	Parts No.
IC501,502	OP-AMP IC	NJM4558S-X
IC503	IC	M50198P
IC504	OP-AMP IC	NJM4558S-X
IC505	DOLBY-B IC	LA2730
IC506	OP-AMP IC	NJM4558S-X
IC507	E-VR IC	TC9154AP
IC508	OP-AMP IC	NJM4558S-X
Q501	TRANSISTOR	2SC1740S
Q502,503	TRANSISTOR	2SC2878
Q504-507	N-FET	2SK246
Q508	TRANSISTOR	RN2203
Q509-511	TRANSISTOR	RN1203
D501-504	DIODE	1SS252
D505	ZENER DIODE	RD12ESB

CAPACITORS

No.	Description	Parts No.
C501-506	ELECTR.CAPACITOR	CEAS100M25
C507	MYLOR FILM CAPACITOR	CQMA562J50
C508	MYLOR FILM CAPACITOR	CQMA561J50
C509	AUDIO FILM CAPACITOR	CFTXA104J50
C510	ELECTR.CAPACITOR	CEAS470M16
C511,512	AUDIO FILM CAPACITOR	CFTXA474J50
C513	AUDIO FILM CAPACITOR	CFTXA104J50

Mark	No.	Description	Parts No.
	C514	ELECTR.CAPACITOR	CEANP100M16
	C515	MYLOR FILM CAPACITOR	CQMA562J50
	C516	MYLOR FILM CAPACITOR	CQMA561K50
	C517	ELECTR.CAPACITOR	CEAS100M25
	C518	MYLOR FILM CAPACITOR	CQMA153J50
	C519−521	ELECTR.CAPACITOR	CEAS100M25
	C522	AUDIO FILM CAPACITOR	CFTXA103J50
	C523	ELECTR.CAPACITOR	CEAS470M16
	C524	CERAMIC CAPACITOR	CKCYX473M25
	C525	ELECTR.CAPACITOR	CEAS100M50
	C527	ELECTR.CAPACITOR	CEAS100M50
	C529	AUDIO FILM CAPACITOR	CFTXA333J50
	C530	MYLOR FILM CAPACITOR	CQMA472J50
	C531	ELECTR.CAPACITOR	CEAS101M10
	C532	ELECTR.CAPACITOR	CEAS220M16
	C533	AUDIO FILM CAPACITOR	CFTXA333J50
	C534	ELECTR.CAPACITOR	CEAS010M50
	C535	ELECTR.CAPACITOR	CEASR33M50
	C536	ELECTR.CAPACITOR	CEAS470M25
	C539,540	ELECTR.CAPACITOR	CEAS100M25
	C541−544	CERAMIC CAPACITOR	CKDYX473M25
	C545,546	ELECTR.CAPACITOR	CEAS100M25
	C547−549	ELECTR.CAPACITOR	CEAS4R7M50
	C550	CERAMIC CAPACITOR	CKMYB471K50
	C551	ELECTR.CAPACITOR	CEAS4R7M50
	C552,553	CERAMIC CAPACITOR	CKDYB103K50
	C554	AUDIO FILM CAPACITOR	CFTXA104J50
	C555	ELECTR.CAPACITOR	CEAS100M50
	C556	ELECTR.CAPACITOR	CEAS101M25
	C557	MYLOR FILM CAPACITOR	CQMA153J50

RESISTORS

	VR501	VR	VRTS6HS223
	R569	CARBON FILM RESISTOR	RD1/4PM221J
		Other resistors	RD1/8PM□□□J

OTHERS

	CN21	JUMPER CONNECTOR 7−P	KPC7
	CN22	JUMPER CONNECTOR 3−P	KPC3
	CN23	JUMPER CONNECTOR 3−P	KPC3
	CN24	JUMPER CONNECTOR 9−P	KPC9
	X501	CERAMIC OSCILATOR	ASS1016

PRO LOGIC ASSEMBLY (AWX1040)

SEMICONDUCTORS

	IC1001	LOGIC IC	TC4053BP
	IC1002	DUAL ATT/BAL IC	M51132L
	IC1003,1004	IC	NJM082D
	IC1005	OTHER IC	LA2770
	IC1006,1007	OP−AMP IC	NJM4558S−X
	IC1008	PORT−EXPANDER IC	CXD1067P
	IC1009	LOGIC IC	TC4011UBP
	IC1010	OP−AMP IC	NJM4558S−X
	IC1011	LOGIC IC	TC4052BP
	Q1001,1002	N−FET	2SK369
	Q1003	TRANSISTOR	2SC2878
	Q1004	TRANSISTOR	RN2203
	Q1005,1006	TRANSISTOR	RN1203
	D1001	ZENER DIODE	RD3.0ESB
	D1002	ZENER DIODE	RD5.1ESB
	D1003,1004	ZENER DIODE	RD10ESB2
	D1005	DIODE	1SS252
	D1006	ZENER DIODE	RD5.6ESB
	D1010−1014	DIODE	1SS252

CAPACITORS

	C1001,1002	ELECTR.CAPACITOR	CEAS4R7M50
	C1003,1004	ELECTR.CAPACITOR	CEAS100M25
	C1005−1008	AUDIO FILM CAPACITOR	CFTXA104J50
	C1009,1010	MYLOR FILM CAPACITOR	CQMA681J50
	C1011	AUDIO FILM CAPACITOR	CFTXA334J50
	C1012	AUDIO FILM CAPACITOR	CFTXA154J50
	C1013	AUDIO FILM CAPACITOR	CFTXA334J50
	C1014	AUDIO FILM CAPACITOR	CFTXA154J50
	C1015−1018	ELECTROLYTIC CAPACITOR	CEANL4R7M50
	C1019,1020	MYLOR FILM CAPACITOR	CQMA682K50
	C1021	ELECTR.CAPACITOR	CEAS101M16
	C1022	ELECTR.CAPACITOR	CEAS470M10
	C1023,1024	AUDIO FILM CAPACITOR	CFTXA224J50
	C1025,1026	ELECTROLYTIC CAPACITOR	CEANL4R7M50
	C1027,1028	AUDIO FILM CAPACITOR	CFTXA224J50

Mark	No.	Description	Parts No.
	C1029	ELECTR.CAPACITOR	CEAS221M10
	C1030−1033	ELECTR.CAPACITOR	CEAS4R7M50
	C1034	MYLOR FILM CAPACITOR	CQMA471K50
	C1035	AUDIO FILM CAPACITOR	CFTXA334J50
	C1036	AUDIO FILM CAPACITOR	CFTXA104J50
	C1037	AUDIO FILM CAPACITOR	CFTXA103J50
	C1038	AUDIO FILM CAPACITOR	CFTXA473J50
	C1039−1043	ELECTR.CAPACITOR	CEAS220M16
	C1044	CERAMIC CAPACITOR	CCDSL101J50
	C1045	ELECTR.CAPACITOR	CEANP010M50
	C1046,1047	AUDIO FILM CAPACITOR	CFTXA473J50
	C1048	ELECTROLYTIC CAPACITOR	CEAS1R5M50
	C1049	CERAMIC CAPACITOR	CKDYB152K50
	C1050	CERAMIC CAPACITOR	CCCSL330J50
	C1051	CERAMIC CAPACITOR	CKDYB103K50
	C1052	ELECTR.CAPACITOR	CEAS100M50
	C1053,1054	ELECTR.CAPACITOR	CEAS470M50
	C1055,1056	ELECTR.CAPACITOR	CEAS331M16
	C1057,1058	CERAMIC CAPACITOR	CKDYB472K50
	C1065	ELECTR.CAPACITOR	CEAS101M16
	C1067	ELECTR.CAPACITOR	CEAS100M50
RESISTORS			
	VR1001	VR	VRTB6VS223
	VR1002	VR	VRTS6VS103
		Other resistors	RD1/8PM□□□J

REAR SP ASSEMBLY

OTHER

	SPEAKER TERMINAL 4−P	AKE1012

CENTER AMP ASSEMBLY

SEMICONDUCTORS

Q752	TRANSISTOR	2SA979
Q753,754	TRANSISTOR	2SC2458
Q755	TRANSISTOR	2SD1276A
Q756	TRANSISTOR	2SB950A
Q757	TRANSISTOR	2SC2458
D748	ZENER DIODE	RD10ESB
D749,750	DIODE	1SS252
D751	DIODE	1S2471
D762	DIODE	1SS252
D763	ZENER DIODE	RD4.3ESB2

Mark	No.	Description	Parts No.
CAPACITORS			
	C707	CERAMIC CAPACITOR	CCCSL330J50
	C710	CERAMIC CAPACITOR	CCCSL101J50
	C714	ELECTR.CAPACITOR	CEAS2R2M50
	C759	CERAMIC CAPACITOR	CKCYB102K50
	C760	ELECTR.CAPACITOR	CEAS220M50
	C761	CERAMIC CAPACITOR	CKCYB102K50
	C762	ELECTR.CAPACITOR	CEAS470M16
	C763	ELECTR.CAPACITOR	CEAS470M25
	C764	ELECTR.CAPACITOR	CEANP2R2M50
	C765,766	CERAMIC CAPACITOR	CKDYF473Z50
RESISTORS			
	R791,792	METAL OXIDE RESISTOR	RS2LMFR47J
	R797	CARBON FILM RESISTOR	RD1/4PMF470J
		Other resistors	RD1/4PM□□□J

CENTER SP ASSEMBLY

SEMICONDUCTOR

D324	DIODE	1SS252

COIL

L302	COIL	ATH1011

RELAY

RY302	RELAY	ASR1005

CAPACITOR

C357	AUDIO FILM CAPACITOR	CFTXA473J50

RESISTORS

	All resistors	RD1/4PMF□□□J

OTHER

CN11	JUMPER CONNECTOR 3−P	KPC3
	SPEAKER TERMINAL 2−P	AKE−058

REAR AMP Lch ASSEMBLY

SEMICONDUCTORS

Q741	TRANSISTOR	2SA979
Q743	TRANSISTOR	2SC2458
Q745	TRANSISTOR	2SC2458
Q747	TRANSISTOR	2SD1276A
Q749	TRANSISTOR	2SB950A
Q751	TRANSISTOR	2SC2458
D741	ZENER DIODE	RD10ESB
D743	DIODE	1SS252
D745	DIODE	1SS252

Mark	No.	Description	Parts No.
	D747	DIODE	1S2471
	D757	DIODE	1SS252
	D759	ZENER DIODE	RD4.3ESB2
CAPACITORS			
	C705	CERAMIC CAPACITOR	CCCSL330J50
	C719	CERAMIC CAPACITOR	CCCSL101J50
	C741	ELECTR.CAPACITOR	CEAS2R2M50
	C743	CERAMIC CAPACITOR	CKCYB102K50
	C745	ELECTR.CAPACITOR	CEAS220M50
	C747	CERAMIC CAPACITOR	CKCYB102K50
	C749	ELECTR.CAPACITOR	CEAS470M16
	C751	ELECTR.CAPACITOR	CEAS470M25
	C753	ELECTR.CAPACITOR	CEANP2R2M50
	C755	CERAMIC CAPACITOR	CKDYF473Z50
	C757	CERAMIC CAPACITOR	CKDYF473Z50
RESISTORS			
	R765	METAL OXIDE RESISTOR	RS2LMFR47J
	R767	METAL OXIDE RESISTOR	RS2LMFR47J
	R777	CARBON FILM RESISTOR	RD1/4PMF470J
		Other resistors	RD1/8PM□□□J

REAR AMP Rch ASSEMBLY

Mark	No.	Description	Parts No.
SEMICONDUCTORS			
	Q740	TRANSISTOR	2SA979
	Q742	TRANSISTOR	2SC2458
	Q744	TRANSISTOR	2SC2458
	Q746	TRANSISTOR	2SD1276A
	Q748	TRANSISTOR	2SB950A
	Q750	TRANSISTOR	2SC2458
	D740	ZENER DIODE	RD10ESB
	D742	DIODE	1SS252
	D744	DIODE	1SS252
	D746	DIODE	1S2471
	D756	DIODE	1SS252
	D758	ZENER DIODE	RD4.3ESB2
CAPACITORS			
	C704	CERAMIC CAPACITOR	CCCSL330J50
	C718	CERAMIC CAPACITOR	CCCSL101J50
	C740	ELECTR.CAPACITOR	CEAS2R2M50
	C742	CERAMIC CAPACITOR	CKCYB102K50
	C744	ELECTR.CAPACITOR	CEAS220M50
	C746	CERAMIC CAPACITOR	CKCYB102K50
	C748	ELECTR.CAPACITOR	CEAS470M16
	C750	ELECTR.CAPACITOR	CEAS470M25
	C752	ELECTR.CAPACITOR	CEANP2R2M50
	C754	CERAMIC CAPACITOR	CKDYF473Z50
	C756	CERAMIC CAPACITOR	CKDYF473Z50
RESISTORS			
	R764	METAL OXIDE RESISTOR	RS2LMFR47J
	R766	METAL OXIDE RESISTOR	RS2LMFR47J
	R776	CARBON FILM RESISTOR	RD1/4PMF470J
		Other resistors	RD1/8PM□□□J

EQ ASSEMBLY

Mark	No.	Description	Parts No.
SEMICONDUCTOR			
	IC322	OP-AMP IC	M5220P
CAPACITORS			
	C329,330	ELECTR.CAPACITOR	CEAS100M50
	C331,332	CERAMIC CAPACITOR	CCCSL221J50
	C333,334	ELECTROLYTIC CAPACITOR	CEAS471M6
	C335,336	AUDIO FILM CAPACITOR	CFTXA243J50
	C337,338	AUDIO FILM CAPACITOR	CFTXA823J50
	C339,340	ELECTR.CAPACITOR	CEAS2R2M50
	C341,342	CERAMIC CAPACITOR	CKCYF473Z50
	C343,344	CERAMIC CAPACITOR	CCCSL101J50
	C354	CERAMIC CAPACITOR	CKCYF473Z50
RESISTORS			
		All resistors	RD1/8PM□□□J
OTHER			
		4-P JACK	AKB1131

FRONT ASSEMBLY (AWZ2914)

Mark	No.	Description	Parts No.
SEMICONDUCTORS			
	IC301		PDG054-A
	Q301-307	TRANSISTOR	RN1203
	Q308	TRANSISTOR	2SC2458
	Q309	TRANSISTOR	RN1203
	Q313-316	TRANSISTOR	RN1203
	D301	DIODE	S5566
	D302-317	DIODE	1SS252
	D325,326	DIODE	1SS252
COIL			
	L301	AXIAL INDUCTOR	LAU100K
SWITCHIES			
	S301-303	SWITCH	ASG1029
	S304	SWITCH	ASG-703

Mark	No.	Description	Parts No.
	S305−338	SWITCH	ASG1029
	S339	SWITCH	ASG−703
	S340−351	SWITCH	ASG1029
	S352	SWITCH	ASG−703
	S353−359	SWITCH	ASG1029
CAPACITORS			
	C301	ELECTROLYTIC CAPACITOR	CEJA0R1M50
	C302−304	ELECTR.CAPACITOR	CEJA100M16
	C305	ELECTROLYTIC CAPACITOR	CEJA220M6
RESISTORS			
		All resistors	RD1/8PM□□□J
OTHERS			
		REMOTE RECEIVER UNIT	AXX1010
	V301	FL TUBE	AAV1098
	X301	CERAMIC OSCILATOR	ASS1022

PRE POWER ASSEMBLY

CAPACITOR			
	C355	CERAMIC CAPACITOR	CKDYF473Z50
OTHERS			
		JACK 6−P	AKB1130
	CN	JUMPER CONNECTOR 6−P	KPC6

PRIM ASSEMBLY

RELAY			
	RY301	RELAY	ASR1027
TRANSFORMER			
	T301	POWER TRANSFORMER	ATT1015
CAPACITORS			
	C353	CKA(0.01/AC400V)	ACG1002
	C358	CKA(0.022/AC400V)	ACG1030
RESISTOR			
	R357	RESISTOR(2.2M,1/2W)	ACN−209
OTHER			
		AC SOCKET 3−P	AKP1041

Mark	No.	Description	Parts No.

SP SW ASSEMBLY

SEMICONDUCTORS			
	Q324−326	TRANSISTOR	RN1201
	D318−323	DIODE	1SS252
SWITCH			
	S360	PUSH SWITCH	SUL6L222N
RELAIES			
	RY303	RELAY	ASR1005
	RY304,305	RELAY	ASR−109
RESISTORS			
	R360,361	METAL OXIDE RESISTOR	RS3LMF331J
	R364−366		RD1/4PMF101J
OTHERS			
		JACK	AKN1002
	CN10	JUMPER CONNECTOR 3−P	KPC3
	CN9	JUMPER CONNECTOR 4−P	KPE4

VOL ASSEMBLY

SEMICONDUCTORS			
	IC323	OP−AMP IC	M5220L
	IC324		TA7291S
CAPACITORS			
	C345,346	CERAMIC CAPACITOR	CKCYB103K50
	C347,348	ELECTR.CAPACITOR	CEAS4R7M50
	C349,350	CERAMIC CAPACITOR	CKCYB331K50
	C351	ELECTR.CAPACITOR	CEAS470M16
	C352	ELECTR.CAPACITOR	CEANP2R2M50
RESISTORS			
	VR302	VR	ACX1038
	R353	CARBON FILM RESISTOR	RD1/4PMF2R2J
		Other resistors	RD1/8PM□□□J
OTHERS			
	CN16	JUMPER CONNECTOR 3−P	KPC3
	CN8	JUMPER CONNECTOR 3−P	KPE3

5. ADJUSTMENTS

5.1 TUNER SECTION

1. Wiring ····· Connect the wires as shown in Fig.1 (FM ANT. terminal: 75Ω).
2. Preset ····· Set the VR451 to center position.

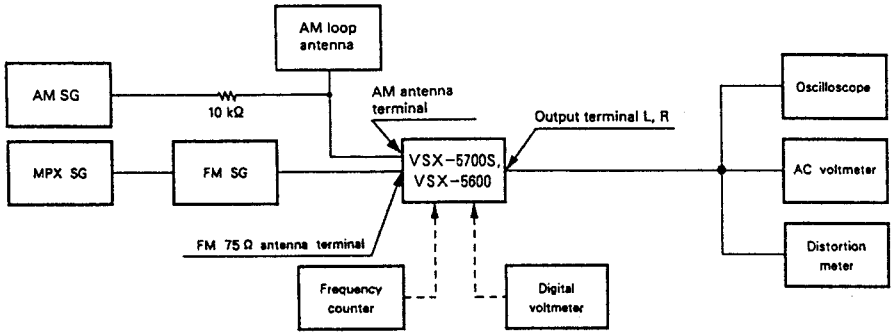


Fig. 5−1 AM and FM adjustment wiring diagram

Note: Stereo modulation: Main 1kHz L+R ±68.25kHz
Pilet 19 kHz ±6.75kHz

FM Section

Order	Item	SSG			Receiving frequency	Adjustment	
		Frequency	Modulation	Level		Adjustment location	Remarks
1	Checking front end VT	No signal			108MHz	——	Check that the voltage between terminal 41 and ground is 8.7 ±2.0V.
2	Checking front end VT				87.5MHz	——	Check that the voltage between terminal 41 and ground is 3.4±1.5V.
3	Increasing front end sensitivity	98MHz		Weak input	98MHz	L402, L404, T402	Set the voltage between terminal 43 and ground to maximum, and check that the practical sensitivity is as specified.(5dBμV/75Ω or less)
4	Center adjustment	98MHz		60dBμV	98MHz	L431	Adjust the voltage between terminals 45 and 46 to 0±50mV.
5	Checking monophonic distortion	98MHz	1kHz ±75kHz dev.	60dBμV	98MHz	——	Check that the monophonic distortion is as specified. (0.6% or less)
6	Adjusting VCO		OFF	60dBμV	-	VR451	Adjust the output of terminal 44 to 76.0kHz±1.0kHz.
7	Adjusting stereo distortion	98MHz	L−ONLY R−ONLY	60dBμV	98MHz	T402	Minimize the distortion within 1/4 rotation of the core,and check conformity to the specification.(0.8%)
8	Checking separation	98MHz	L−ONLY R−ONLY	60dBμV	98MHz	——	Check that the separation of L→R and R→L is as specified. *1
9	Checking lighting levels of TUNED and STEREO IND.	98MHz	STEREO	10dBμV (+1dB −2dB)	98MHz	VR432	Adjust TUNED and STEREO IND. to start lighting.

*1: More than 30dB

AM Section

Order	Item	SSG			Receiving frequency	Adjustment	
		Frequency	Modulation	Level		Adjustment location	Remarks
1	Checking front end VT	No signal			1700kHz	—	Check that the voltage between terminal 41 and ground is 7.5 ±1.0V.
2	Checking front end VT				530kHz	—	Check that the voltage between terminal 41 and ground is 1.5±0.5V.
3	Checking front end sensitivity	1000kHz	400kHz 30% MOD.	Practical sensitivity level	1000kHz	—	Check that the practical sensitivity (maximum sensitivity) is as specified. *2
4	Adjusting lighting level of TUNED IND.	1000kHz			1000kHz	VR431	Adjust the lighting level of TUNED IND. to 55dBμV/m ±3dB.

*2: 65dBμV/m or less

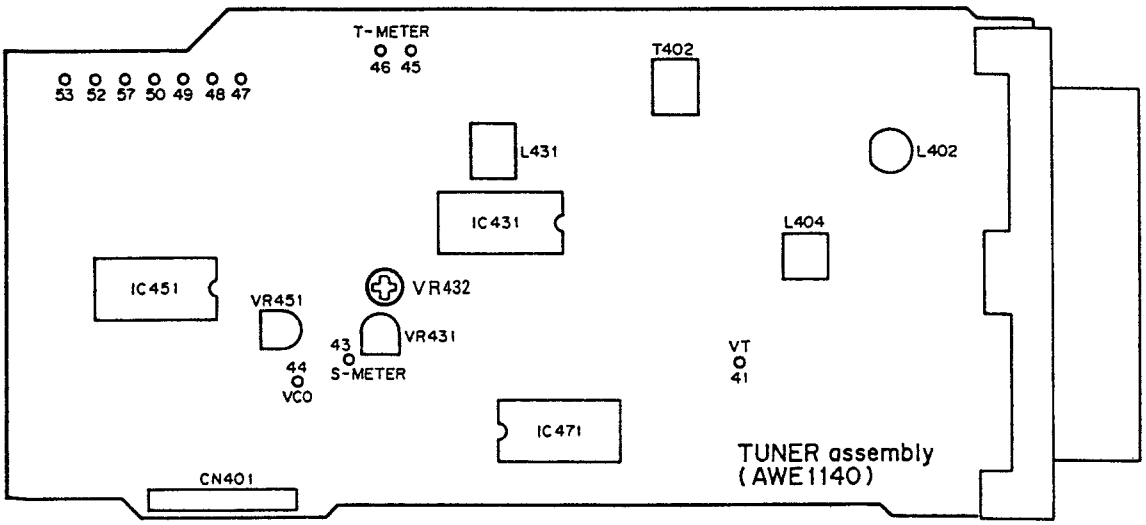


Fig. 5−2 Adjustment location of TUNER SECTION

5.2 SURROUND SECTION

Input 1kHz sine wave (L,R) negativephase,and adjust to achieve 350mV during assembly CN22－SINE. adjust VR501 to achieve 71±5mV during Dolby TP.

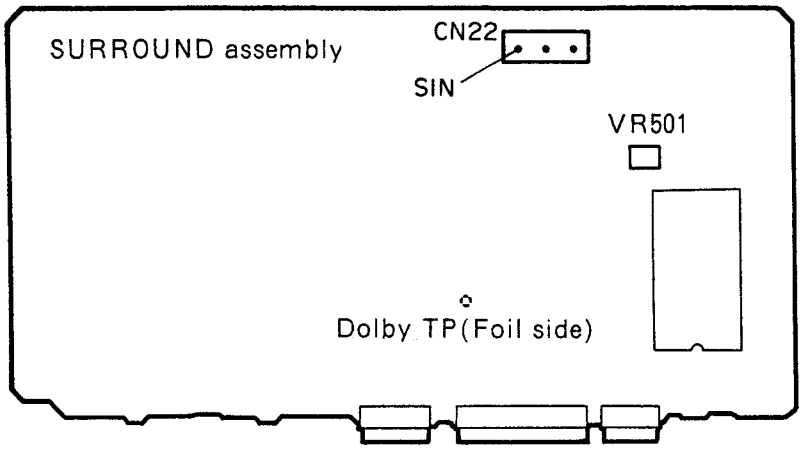


Fig. 5－3 Adjustment location of SURROUND SECTION

5.3 PRO LOGIC SECTION

Perform operation in DOLBY SURROUND PRO LOGIC mode and CENTER MODE WIDE.

1. Input 1kHz sine wave 150mV (L, R in－phase), shorten TP1 and TP2. Adjust VR1001 to get the same L, R output level.
2. According to the above condition, adjust VR1002 to achieve the smallest potential (0±50mV) at both sides of R1038.

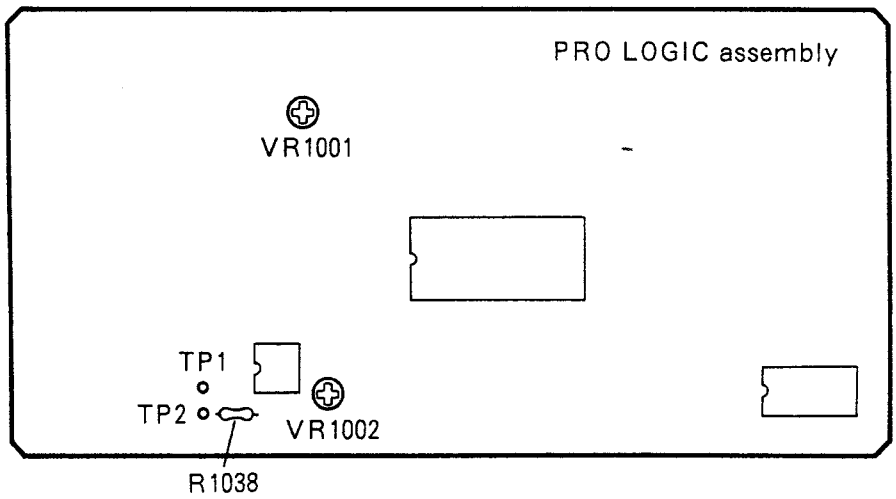


Fig. 5－4 Adjustment location of PRO LOGIC SECTION

6. IC INFORMATION

SYSTEM CONTROL MICRO COMPUTER (PDG054-A)

•Terminal function

No.	Terminal Name	I/O	Function
1	S11	DP	FL segment output (S11)
2	S10	DP	FL segment output (S10)
3	S9	DP	FL segment output (S9)
4	S8	DP	FL segment output (S8)
5	S7	DP	FL segment output (S7)
6	S6	DP	FL segment output (S6)
7	S5	DP	FL segment output (S5)
8	S4	DP	FL segment output (S4)
9	S3	DP	FL segment output (S3)
10	S2	DP	FL segment output (S2)
11	S1	DP	FL segment output (S1)
12	S0	DP	FL segment output (S0)
13	N.C.	DP	Not used (OPEN)
14	T14	DP	FL grid output (G15)
15	T13	DP	FL grid output (G14)
16	T12	DP	FL grid output (G13)
17	T11	DP	FL grid output (G12)
18	T10	DP	FL grid output (G11)
19	T9	DP	FL grid output (G10)
20	T8	DP	FL grid output (G9)
21	T7	DP	FL grid output (G8)
22	T6	DP	FL grid output (G7)
23	T5	DP	FL grid output (G6)

No.	Terminal Name	I/O	Function
24	T4	DP	FL grid output (G5)
25	T3	DP	FL grid output (G4)
26	T2	DP	FL grid output (G3)
27	T1	DP	FL grid output (G2)
28	T0	DP	FL grid output (G1)
29	INT	I	Not used (Connected to GND)
30	TX	O	Not used (OPEN)
31	TEX	I	Not used (Connected to GND)
32	RST	I	RESET input
33	N.C.	–	Not connect
34	Vdd	5V	+5V supply voltage
35	PI0	I	FRONT LEVEL LEFT A/D input
36	PI1	I	FRONT LEVEL RIGHT A/D input
37	PI2	I	REAR LEVEL LEFT A/D input
38	PI3	I	REAR LEVEL RIGHT A/D input
39	PB0	I	CENTER LEVEL A/D input
40	PB1	O	MUTE output for surround
41	PB2	O	SURROUND switching output
42	PB3	O	SURROUND switching output
43	EC	I	Not used (Connected to GND)
44	PX0	O	SERIAL CLK output
		I	Destination JAPAN (H)/EXPORT (L) switching

No.	Terminal Name	I/O	Function
45	PX1	O	SERIAL DATA output
		I	Reference frequency 9kHz (H)/10kHz (L) switching
46	PX2	I	STEREO signal input
47	PA0	O	TUNER MUTE output
48	PA1	I	STOP signal input
49	PA2	I	KEY MATRIX input
50	PA3	O	Not used (OPEN)
51	PF0	O	Output for TC4028
52	PF1	O	Output for TC4028
53	PF2	O	SURROUND switching output
54	PF3	O	Output for TC4028
55	PE0	I	KEY MATRIX input
56	PE1	I	KEY MATRIX input
57	PE2	I	KEY MATRIX input
58	PE3	I	KEY MATRIX input
59	PY0	O	Not used (OPEN)
60	PY1	O	ENHANCER ON (H)/OFF (L) output
61	PY2	I	WAKE UP input
62	RMC	I	REMOCON input
63	PD0	O	VIDEO SELECTOR OFF (H)/TV (L) output
64	PD1	O	VIDEO SELECTOR VCR 1 output
65	PD2	O	VIDEO SELECTOR VCR 2 output
66	PD3	O	VIDEO SELECTOR VDP output
67	PC0	O	VOLUME INDICATOR Lights (H)/Light off (L)
68	PC1	O	VOLUME DOWN output (electrically acitivated)
69	PC2	O	VOLUME UP output (electrically acitivated)
70	PC3	O	AC OUTLET relay output
71	Vss	–	GND
72	XTAL	O	Connected to the 4.19MHz ceramic resonator between EXTAL and terminal.
73	N.C.	–	Not connect
74	EXTAL	O	Connected to the 4.19MHz ceramic resonator between XTAL and terminal.
75	Vref	I	Connected to VDD
76	Vfdp	I	–30V negative input voltage for FDP
77	S15	DP	FL segment output (S15)
78	S14	DP	FL segment output (S14)
79	S13	DP	FL segment output (S13)
80	S12	DP	FL segment output (S12)

I: CMOS input
O: CMOS output
N: Nch open drain output
P: Pch open drain output with pull–up resistor
UN: Nch open drain output with pull–up resistor
DP: Pch open drain output with pull–down resistor
UI: CMOS input with pull–up resistor
DI: CMOS input with pull–down resistor

7. REMOTE CONTROL UNIT (AXD1149)

7.1 P.C.BOARD PATTERN

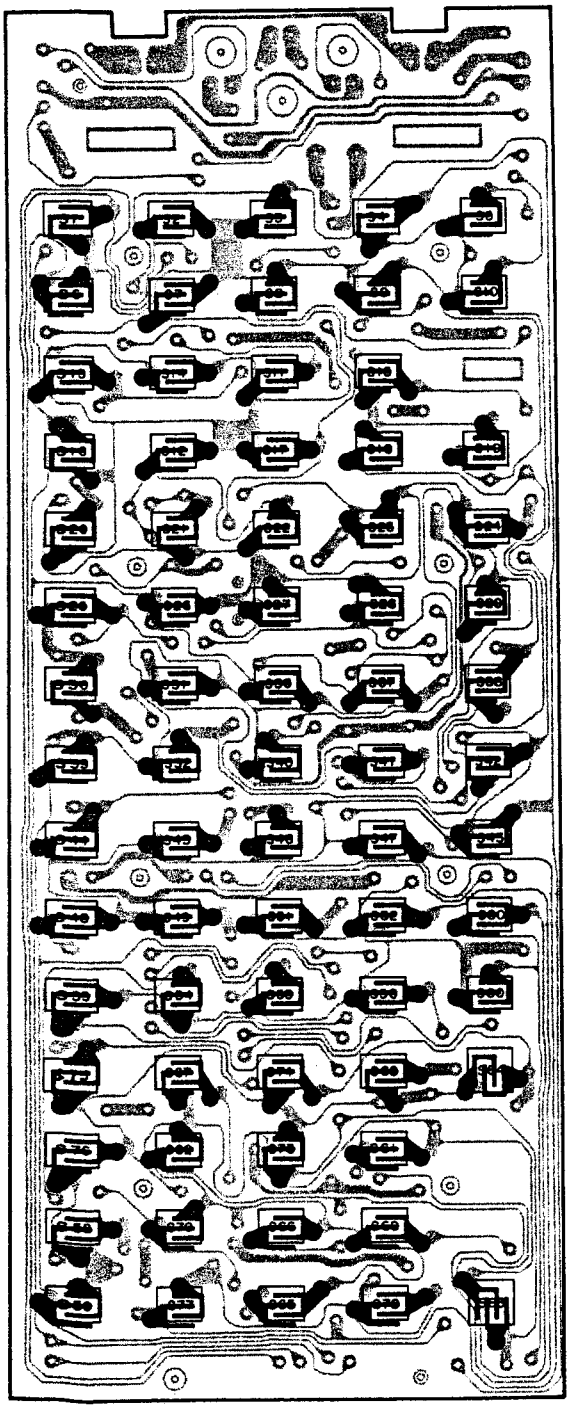
NOTE :

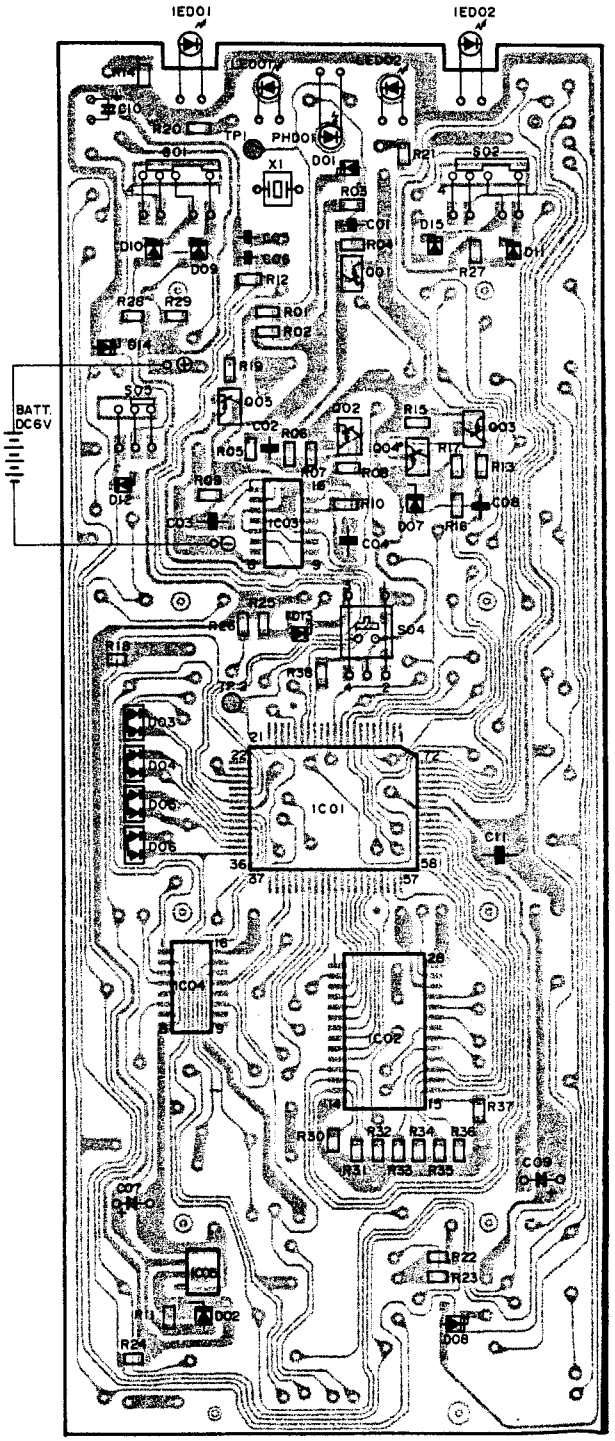
: Indicates a chip resistor.

: Indicates a chip capacitor.

: Indicates a chip transistor.

: Indicates a chip diode.





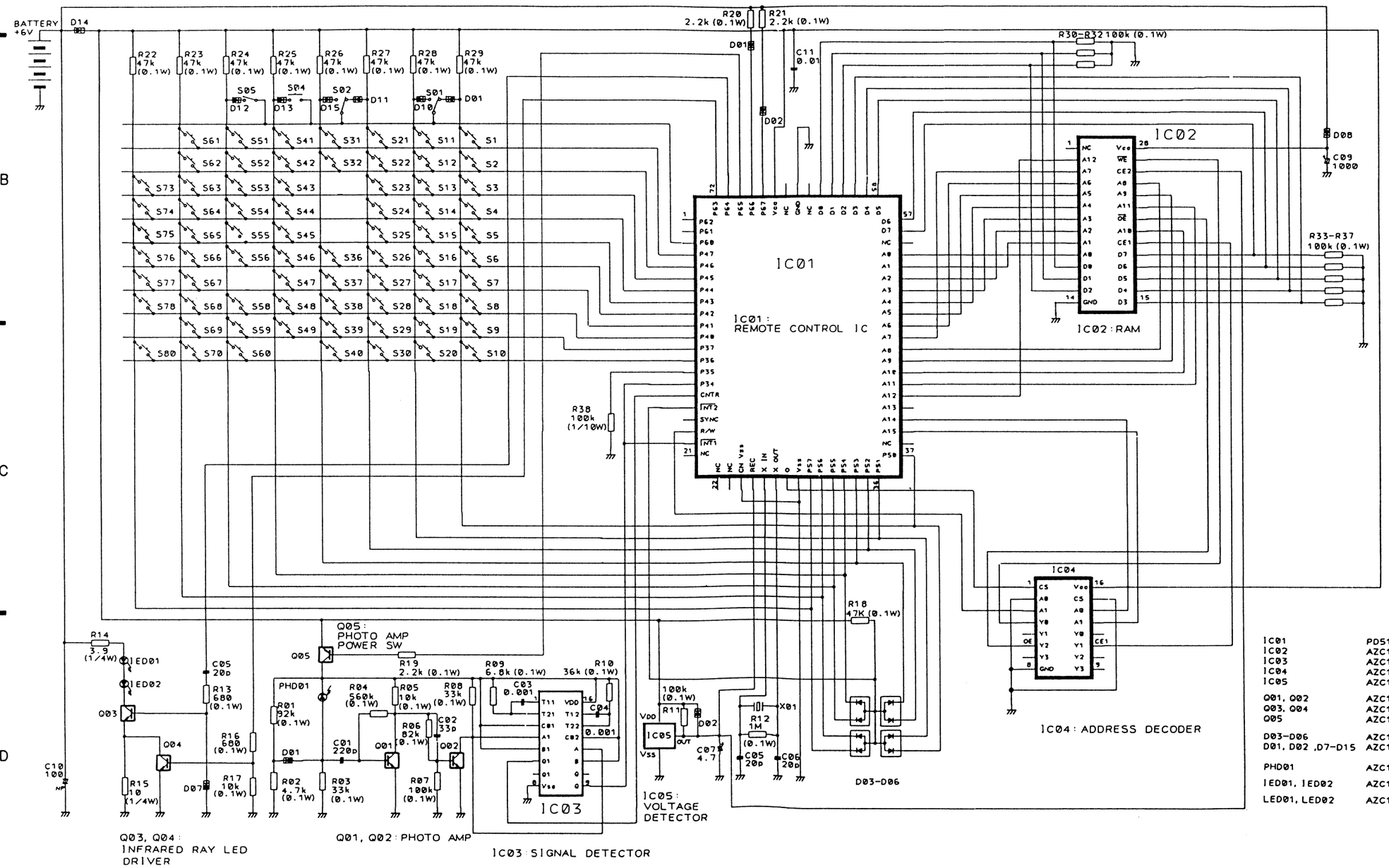
7.2 SCHEMATIC DIAGRAM

1. RESISTORS:
Indicated in Ω, ¼W, ⅛W, ±5% tolerance unless otherwise noted k : kΩ, M : MΩ, (F) : ±1%, (G) : ±2%, (K) : ±10% (M); ±20% tolerance

2. CAPACITORS:
Indicated in capacity (μF)/voltage (V) unless otherwise noted p : pF
Indication without voltage is 50V except electrolytic capacitor

3. OTHERS
➡ Signal route.
(⊖) Adjusting point.
The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
* marked capacitors and resistors have parts numbers.

This is the basic schematic diagram, but the actual circuit may vary due to improvements in design.



The underline indicates the switch position

S01 : AUDIO/VIDEO/AUX
S02 : SR RECALL/USE/LEARN
S05 : DECK I/DECK II
S04 : RESET

TAPE/VCR
S-1 : VCR POWER
S-2 : ● TAPE/VCR
S-3 : ❚❚ TAPE/VCR
S-4 : O/VCR CH-
S-5 : TAPE SELECT
S-6 : ◀◀
S-7 : ◀/ANT
S-8 : ■
S-9 : ▶
S-10 : ▶▶

CD/VDP
S-11 : ▶▶| /SEARCH
S-12 : ❚❚
S-13 : CD/VDP POWER
S-14 : |◀◀ CHP/FR-TM
S-15 : DISC SEL DISPLAY
S-16 : ◀◀
S-17 : ■
S-18 : ▶
S-19 : ▶▶

TUNER/CD/TV/VDP
S-20 : 1
S-21 : 2
S-22 : 3
S-23 : 4
S-24 : 5
S-25 : 6
S-26 : 7
S-27 : 8
S-28 : 9
S-29 : 0, 10
S-30 : 11/MEMORY
S-31 : 12/CLEAR

TUNER/CD/PHONO/AMP/TV
S-32 : BAND/CH-RTN

S-36 : PGM
S-37 : FREQUENCY-/TV CHANNEL-
S-38 : FREQUENCY+/TV CHANNEL+
S-39 : TV POWER
S-40 : CD+10/TV FUNC
S-41 : PHONO ■/TV VOL-
S-42 : PHONO ▶/TV VOL+
S-43 : TV DISPLAY
S-44 : VCR 1
S-45 : VCR 2
S-46 : VCR 3
S-47 : VDP
S-48 : TV
S-49 : VIDEO

S-51 : TAPE 1/DAT
S-52 : TAPE 2
S-53 : LINE
S-54 : CD
S-55 : TUNER
S-56 : PHONO

S-58 : SLEEP
S-59 : RECEIVER POWER
S-60 : MUTING
S-61 : FRONT BAL.R
S-62 : FRONT BAL.L
S-63 : MASTER VOLUME-
S-64 : MASTER VOLUME+
S-65 : REAR LEVEL-
S-66 : REAR LEVEL+
S-67 : SURROUND MODE
S-68 : DELAY TIME
S-69 : REAR BAL.R
S-70 : REAR BAL.L

S-73 : CENTER LEVEL-
S-74 : CENTER LEVEL+
S-75 : SOUND FIELD
S-76 : ACOUSTIC
S-77 : SP-A
S-78 : SP-B

S-80 : RETURN

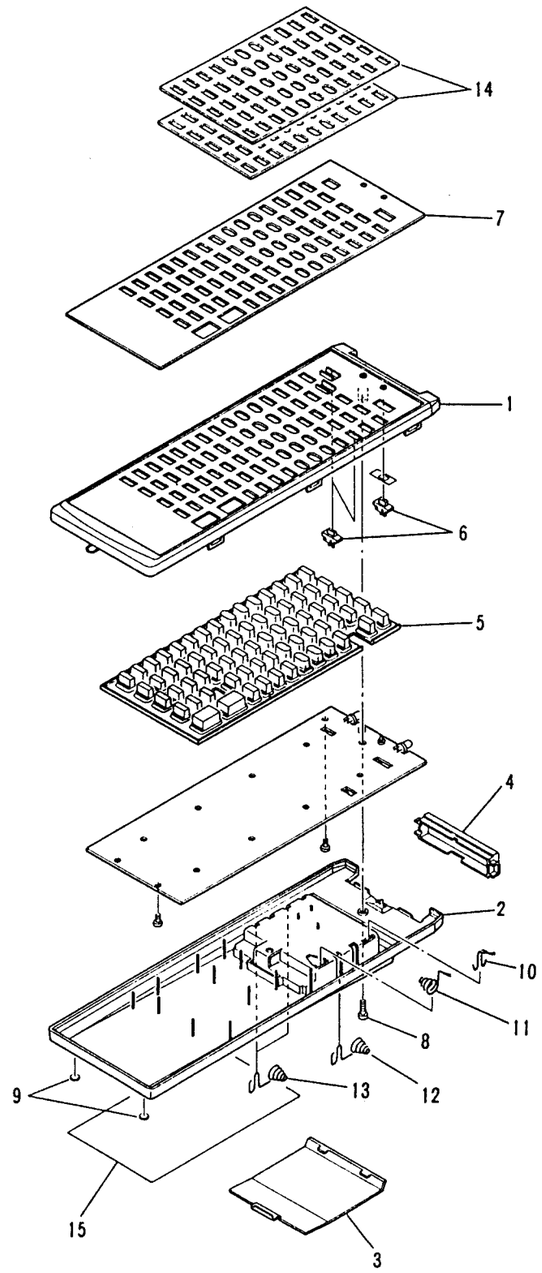
IC01	PD5140
IC02	AZC1045
IC03	AZC1046
IC04	AZC1047
IC05	AZC1048
Q01, Q02	AZC1050
Q03, Q04	AZC1051
Q05	AZC1052
D03–D06	AZC1049
D01, D02 ,D7–D15	AZC1233
PHD01	AZC1055
IED01, IED02	AZC1053
LED01, LED02	AZC1054

7.3 EXPLODED VIEWS AND PARTS LIST

NOTES:
- *Parts without part number cannot be supplied.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Parts marked by "◉" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.*

Parts list of remote control unit

Mark	No.	Parts No.	Description
	1	AZH1033	Case(A)
	2	AZH1034	Case(B)
	3	AZH1035	Case(C)
	4	AZN1400	Filter
	5	AZA1249	Rubber sheet
	6	AZS1042	Knob
	7	AZA1250	Name plate
	8	AZB1124	Screw
	9	AZN1401	Leg
	10	AZB1274	Electrode spring
	11	AZB1275	Electrode spring
	12	AZB1276	Electrode spring
	13	AZB1277	Electrode spring
	14	AAK1439	Sheet
	15		Label



7.4 ELECTRICAL PARTS LIST

NOTES:
- *Parts without part number cannot be supplied.*
- *Parts marked by "◉" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *When ordering resistors, first convert resistance values into code form as shown in the following examples.*

Ex. 1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J = 5%, and K = 10%).

560Ω	*56 × 10¹*	*561*	*RD1/4PS 5 6 1 J*
47kΩ	*47 × 10³*	*473*	*RD1/4PS 4 7 3 J*
0.5Ω	*0R5*		*RN2H 0 R 5 K*
1Ω	*010*		*RS1P 0 1 0 K*

Ex. 2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62kΩ	*562 × 10¹*	*5621*	*RN1/4SR 5 6 2 1 F*

SEMCONDUCTORS

Mark	Symbol & Description	Part No.
	IC01	PD5140
	IC02	AZC1045
	IC03	AZC1046
	IC04	AZC1047
	IC05	AZC1048
	Q1,Q2	AZC1050
	Q3,Q4	AZC1051
	Q5	AZC1052
	D01,D02,D07−D15	AZC1233
	D03−D06	AZC1049
	PHD01	AZC1055
	LED01,LED02	AZC1054
	IED01,IED02	AZC1053

SWITCHES

Mark	Symbol & Description	Part No.
	S01,S02 Slide switch	AZC1079
	S04 Slide switch	AZC1081
	S05 Slide switch	AZC1080

CAPACITORS

Mark	Symbol & Description	Part No.
	C01 (220p)	AZC1058
	C02 (33p)	AZC1059
	C05,C06 (20p)	AZC1060
	C08 (0.01μF)	AZC1061
	C03,C04 (0.001μF)	AZC1062
	C11 (0.01μF)	AZC1063
	C10 (100μF)	AZC1251
	C07 (4.7μF)	AZC1252
	C09 (1000μF)	AZC1255

RESISTORS

Mark	Symbol & Description	Part No.
	R01 (8.2k)	AZC1064
	R02 (4.7k)	AZC1065
	R03,R08 (33k)	AZC1066
	R05,R17 (10k)	AZC1068
	R06 (82k)	AZC1069
	R09 (6.8k)	AZC1070
	R10 (56k)	AZC1071
	R12 (1M)	AZC1072
	R07,R11,R30−R38 (100k)	AZC1073
	R19−R21 (2.2k)	AZC1074
	R13,R16 (680Ω)	AZC1075
	R15 (10Ω)	AZC1076
	R18,R22−R29 (47k)	AZC1077
	R14 (3.9Ω)	AZC1078
	R04 (560k)	AZC1256

OTHERS

Mark	Symbol & Description	Part No.
	X01 Resonator	AZC1057

8. FOR VSX−5700S/SD AND VSX−5600/KUC types

CONTRAST OF MISCELLANEOUS PARTS

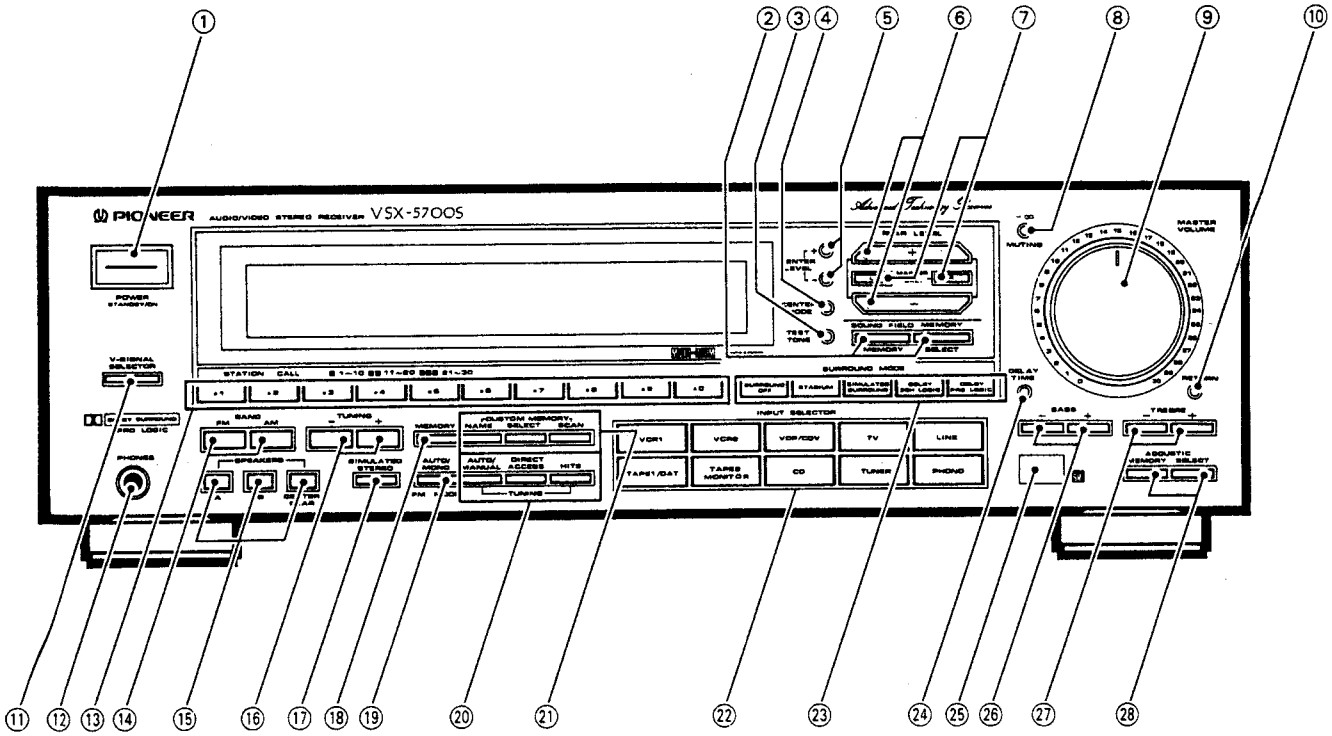
NOTES:

- *Parts without part number cannot be supplied.*
- *Parts marked by "◉" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*

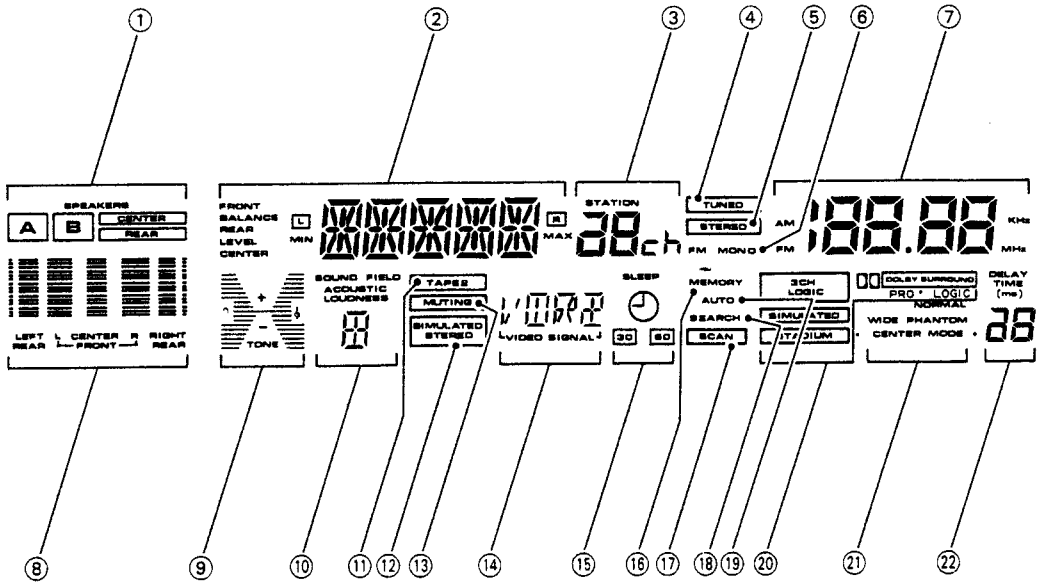
The VSX−5700S/SD and VSX−5600/KUC types are the same as the VSX−5700S/KUC type with the exception of the following sections.

Mark	Symbol & Description	Part No.			Remarks
		VSX−5700S/KUC type	VSX−5700S/SD type	VSX−5600/KUC type	
⚠	S1 Line voltage selector switch (AC110V−127V/220V−240V)	.....	AKX1004	.....	
⚠	S3 Line voltage selector switch (AC110V/120V−127V/220V/240V)	.....	AKX−507	.....	
⚠	S4 Slide switch (50μS/70μS)	.....	ASH−004	.....	
⚠	T1 Power transformer	ATS1275	ATS1276	ATS1275	
⚠	FU1 Fuse (8A/125V)	AEK1002	.....	AEK1002	
⚠	FU1 Fuse (4A/125V)	.....	AEK−125	.....	
⚠	FU2 Fuse (4A/125V)	.....	AEK−125	.....	
⚠	FU3,FU4 Fuse (6.3A/125V)	AEK−309	AEK−127	AEK−309	
⚠	AC Power cord	ADG1057	ADG1015	ADG1057	
	Front panel	ANB1393	ANB1393	ANB1394	
	Push revet	.....	AEP−319	.....	
	Packing case	AHD1853	AHD1853	AHD1855	
	Operating Instructions (Spanish)	.....	ARC1216	.....	
	Remote control unit	AXD1149	AXD1149	AXD1151	
	Case (C)	AZH1035	AZH1035	AZN1811	

9. PANEL FACILITIES



DISPLAY SECTION



① POWER STANDBY/ON switch

This is the switch for electric power.

ON: When set to the ON position, power is supplied and the unit becomes operational.

STANDBY: When set to the STANDBY position, the main power flow is cut and the unit is no longer fully operational. A minute flow of power feeds the unit to maintain operation readiness.
On the multi-voltage model, the indicator on the MASTER VOLUME control knob lights during STANDBY.

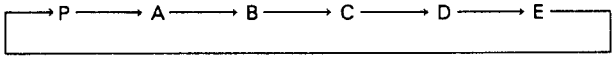
[TIMER ON/OFF possible]
When the unit is switched ON, ON/OFF control can be performed by means of the optional timer.

NOTE:
When the power is initially turned ON, muting will be applied to prevent sound from being output for about 5 seconds.

② SOUND FIELD MEMORY switches

MEMORY:
Pressing this switch will result in the memorization of the sound field condition. Press again to cancel this mode.

SELECT:
- This switch is used to preset the five sound field memories (A—E).
- This switch is also used to recall previously set sound field settings. Each time you press the switch, the sound field setting advances in the order shown below.



P: The sound field setting previously memorized in the unit.

③ TEST TONE switch

Operates when the DOLBY PRO LOGIC SURROUND or DOLBY 3CH LOGIC mode is selected. When the switch is turned ON, "TEST" appears on the display section and a test tone approximately two seconds in duration is generated in all channels in succession.

④ CENTER MODE switch

This operates if DOLBY PRO LOGIC SURROND or DOLBY 3CH LOGIC is ON. The setting changes in the order listed below each time you press the switch.

NORMAL — Use this setting when a small enclosure center channel speaker incapable of reproducing frequencies below 100Hz is connected.

PHANTOM — Use this setting when no center channel speaker is connected (DOLBY PRO LOGIC SURROUND).

WIDE — Use this setting when a large enclosure center channel speaker capable of reproducing frequencies below 100Hz is connected.

NOTE FOR DOLBY PRO LOGIC SURROUND:
- *If no center speaker is used, then mono signals and center channel signal components will not be reproduced at positions other than the PHANTOM position.*

⑤ CENTER LEVEL (+, -) switches

Use these switches to adjust the center speaker sound level to the level of the front speakers.
Operate when DOLBY PRO LOGIC SURROUND or DOLBY 3CH LOGIC mode is on.
After adjustment, use the MASTER VOLUME control to adjust the overall sound to a suitable level.
– : Lowers the center speaker sound level.
+ : Raises the center speaker sound level.

⑥ REAR LEVEL (–, +) switches

Operate only when the surround mode is on.
These switches are used to preset the sound level difference between the front and rear speakers. In this way, after presetting the difference, the overall volume of the front and surround speakers can be changed using the MASTER VOLUME control, while still maintaining the sound volume differential.
– : Rear speaker volume is reduced.
+ : Rear speaker volume is increased.
Press – and + together to restore front and surround to the default volume balance setting.

⑦ MASTER BAL switches

Use them to adjust the sound balance between left and right speakers.
L: Press to decrease the sound on the right side.
R: Press to decrease the sound on the left side.
Press L and R together to bring the volume balance back to center.

⑧ MUTING switch

Press to temporarily cut off the sound volume. The display section MUTING indicator will flash. When pressed again, the sound will return to its previous level.

⑨ MASTER VOLUME control

Use it to simultaneously adjust the sound volume from the front, center and rear speakers.

When you adjust volume by remote control, the indicator above the knob flashes.

⑩ RETURN switch

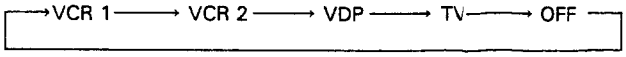
Pressing this switch returns the receiver to the following settings, the sound level being controlled by MASTER VOLUME control knob.

• TAPE 2 MONITOR	OFF
• SURROUND MODE	OFF
• SPEAKERS A	ON
• MUTING	OFF
• BALANCE	CENTER
• INPUT SELECTOR	TUNER
• STATION CALL	1 CH *

* When a station is not memorized in 1 CH, station search will automatically proceed from the frequency displayed.

⑪ V-SIGNAL (VIDEO SIGNAL) SELECTOR switch

When recording simulcast programs, the recorded image can be selected from among VCR 1, VCR 2, VDP and TV.



The current setting is shown by an indicator on the display section.

⑫ PHONES jack

Connect the plug on your headphones to this jack. Set all SPEAKERS A, B and CENTER/REAR switches to OFF if you want to cut the sound from speakers and listen to it only through the headphones.

⑬ STATION CALL switches

Up to 30 FM or AM stations can be preset at random.
These switches are used to preset and recall desired broadcasting stations, FM AUTO/MONO mode.

NOTE:
Pressing a BAND selector switch or STATION CALL switch will select TUNER as the source, regardless of what other listening source or function was selected.

⑭ BAND selector switches

FM: Press for FM reception.
AM: Press for AM reception.

⑮ SPEAKERS switches (A, B, CENTER/REAR)

ON/OFF switches for the A, B and CENTER/REAR speaker systems. An indicator on the display section lights when any of these switches is set to ON.

⑯ TUNING switches

+: Performs tuning from the currently displayed station frequency in ascending frequency order.
−: Performs tuning in order to descending frequencies.

⑰ SIMULATED STEREO switch

Press to produce a simulated stereo effect when listening to monaural sources (for example, normal AM or TV broadcasts).
"SIMULATED STEREO" appears on the display section.

NOTE:
- *This effect is not produced through the rear speakers.*
- *Use with the SURROUND MODE in the SIMULATED SURROUND position or OFF position (There is no effect in the STADIUM, DOLBY 3CH LOGIC and DOLBY PRO LOGIC SURROUND positions). With a monaural source, it is more effective if used together with SIMULATED SURROUND.*

⑱ MEMORY switch

When the unit is in the frequency display mode, pressing this switch will result in the memorization of the current broadcast band, reception frequency, and FM AUTO/MONO mode.
This switch is also used to input custom memory names.

⑲ FM MODE AUTO/MONO selector switch

Use to select the auto stereo mode or monaural mode when listening to FM broadcasts. The monaural mode has been selected when the FM MONO indicator in the display section is lit.
Auto stereo mode:
Normally, leave in this mode for reception. When a stereo FM broadcast is received, it will be automatically reproduced in stereo.
Monaural mode:
When receiving distant stations or stations with weak broadcast signals, the input signal may be weak, thus resulting in increased noise during FM stereo broadcasts. In this event, setting the receiver to the monaural mode will reduce the noise. In this case, however, FM stereo broadcasts will be reproduced in monaural sound.

NOTE:
This switch has no effect on reception of AM broadcasts.

⑳ TUNING switches

AUTO/MANUAL TUNING selector switch:

This switch is used to select the tuning mode. The AUTO indicator lights when the AUTO tuning mode has been selected.
AUTO tuning
When the − or + TUNING switch is pressed, the receiver automatically scans the broadcast station frequencies. When a broadcast is detected, the scanning stops at that frequency.

NOTE:
Pressing the TUNING switch (− or +) while scanning is taking place causes scanning to stop.
MANUAL tuning
This lets you manually tune to particular broadcast frequencies. Each press of the + or − switch raises or lowers the frequency by one tuning step. For continuous scanning, keep the switch pressed, then release it to stop scanning.

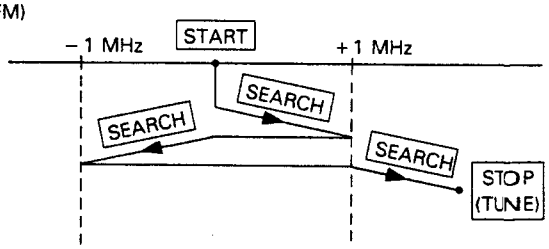
DIRECT ACCESS TUNING switch:

When this switch is pressed, the STATION CALL switches function as ten-key number switches for direct input of the desired reception frequency. Press again to cancel this mode.
If the input station falls outside of the receiver's tuning range, the display section will display a message: "UPPER" if the frequency is too high and "LOWER" if it is too low.

HITS (Hyper Intelligent Tuning System) switch:

- If the HITS switch is pressed during input of numbers for DIRECT ACCESS tuning, the receiver sets the remaining digits which have not yet been input to "0," searches for the corresponding frequencies, and stops on the first station it finds.
- If the HITS switch is pressed at the currently displayed station frequency, the receiver searches up and down the frequency for the next station (The SEARCH indicator in the display section lights at this time.) and stops at the first one it finds.

(FM)



NOTE:
- *The system searches for stations within successive 1 MHz ranges for FM and 100 kHz ranges for AM. During DIRECT ACCESS tuning, it searches up and down for a station until it reaches the edges of the band. If no receivable station is found within the band range, the receiver returns to the state it was in before the HITS switch was pressed.*
- *If the upper (or lower) frequency limit of the receiver is encountered during HITS operation, the receiver stops searching in that direction but continues to search in the other.*

㉑ CUSTOM MEMORY switches

Stations can be assigned to STATION CALL switches according to the genre of material broadcast (for example, ROCK, JAZZ, etc.). You can recall a particular genre, and scan all the stations of that genre with Memory Scan until you reach the desired one.
The initial settings are ROCK, POP, JAZZ, NEWS, and PARTY.

NAME switch

Change the name of a genre with this switch.

SELECT switch

Recall a genre name with this switch.

SCAN switch

Use this switch to carry out Memory Scan within a genre recalled with the SELECT switch.
If it is pressed when "TUNER" is displayed, Memory Scan of successive STATION CALL NUMBERS and not genre will occur.

㉒ Audio/Video INPUT SELECTOR switches

VCR 1: Press when performing playback on a VCR unit.
VCR 2: Press when performing playback on a second VCR unit.
VDP/CDV: Press when performing playback on a video disc player (VDP) or CD CDV LD player.
TV: Press to watch TV broadcasts from the TV tuner connected to the rear panel TV jacks.
LINE: Press when performing playback on an audio component connected to the LINE jacks.
TAPE 1/DAT: Press when performing playback on a DAT or cassette deck.
TAPE 2 MONITOR: Press when performing playback on a second cassette deck or second DAT and when monitoring recording.
CD: Press when playing compact discs on a CD player.
TUNER: Press when listening to radio broadcasts.
PHONO: Press when playing records on turntable.

㉓ SURROUND MODE selector switches

STADIUM:
Ideal for sports broadcasts, etc.
SIMULATED SURROUND:
Select this setting when listening to music or a monaural source, etc. With a monaural source, a much better surround effect is achieved if it is used together with SIMULATED STEREO.
DOLBY 3CH LOGIC:
This mode is suitable for when stereo-source regeneration and rear speakers are not connected and you wish to use the front L, front R, and center speakers to enjoy audio/visual material bearing the DOLBY SURROUND mark.
DOLBY PRO LOGIC SURROUND:
Select this setting when watching video tapes or video discs bearing the DOLBY SURROUND mark.

㉔ DELAY TIME switch

Operates only when the surround mode is on.
[DOLBY PRO LOGIC SURROUND]
Switches the surround delay time in 4 steps.

15 ms → 20 ms → 25 ms → 30 ms

For DOLBY PRO LOGIC SURROUND, 20 ms is standard.

[STADIUM and SIMULATED SURROUND]
Switches the surround delay time in 7 steps.

5 ms → 10 ms → 15 ms → 20 ms → 25 ms → 30 ms → 35 ms

NOTE:
In DOLBY 3CH LOGIC, the DELAY TIME switch has no effect.

㉕ Remote sensor

㉖ BASS control switches

Use to adjust the low-frequency level. Press the + switch to increase low-frequency level, and the − switch to decrease it.
The TONE indicator appears on the display section.
When both switches (+, −) of the BASS control are pressed simultaneously, the bass response will be set to the flat (normal) condition.

㉗ TREBLE control switches

Use to adjust the high-frequency level. Press the + switch to increase high-frequency level, and the − switch to decrease it.
The TONE indicator appears on the display section.
When both switches (+, −) of the TREBLE control are pressed simultaneously, the treble response will be set to the flat (normal) condition.

㉘ ACOUSTIC switches

MEMORY:
Pressing this switch will result in the memorization of the sound quality (tone control condition). Press again to cancel this mode.
SELECT:
- This switch is used to preset the five acoustic memories (A—E).
- This switch is also used to recall previously set sound quality settings. Each time you press the switch, the sound quality setting advances in the order shown below.

No indication (FLAT) → LOUDNESS → A → B → C → D → E

No indication (FLAT): For flat (normal) frequency response.
LOUDNESS: Emphasizes the low- and high- frequency ranges. Produces a fuller sense of sound, particularly when listening at low volume.
A—E: Memorized acoustic memory settings.

[DISPLAY SECTION]

① SPEAKERS indicators

Shows which speaker system (or systems) are switched ON.

② CHARACTER/LEVEL/BALANCE display

This displays the name of the component selected with the INPUT SELECTOR. It also displays the level and balance settings during adjustment.

③ STATION No. display

Shows the channel selected with the STATION CALL switch.

④ TUNED indicator

Lights up when a station is tuned in during TUNER operation.

⑤ STEREO indicator

Lights up when a stereo FM broadcast is being received.

⑥ FM MONO indicator

Lights up when the FM MONO mode is selected with the FM MODE switch.

⑦ Frequency display

⑧ Level meter

⑨ TONE level indicator

Shows the settings of the BASS and TREBLE switches.

⑩ SOUND FIELD/ACOUSTIC display

Shows the setting of the SOUND FIELD and ACOUSTIC.

⑪ TAPE 2 indicator

Lights up when the INPUT SELECTOR is set to TAPE 2 MONITOR ON.

⑫ SIMULATED STEREO indicator

⑬ MUTING indicator
Flashes when MUTING in ON.

⑭ VIDEO SIGNAL SELECTOR indicators
Shows the video component selected with the VIDEO SIGNAL SELECTOR switch.

⑮ SLEEP timer indicators
Shows the SLEEP timer setting (the length of time from the set time to the point at which power will switch off). (The sleep timer can be operated via the remote control.)

⑯ MEMORY indicator

⑰ SCAN indicator
Lights up during memory scan operation.

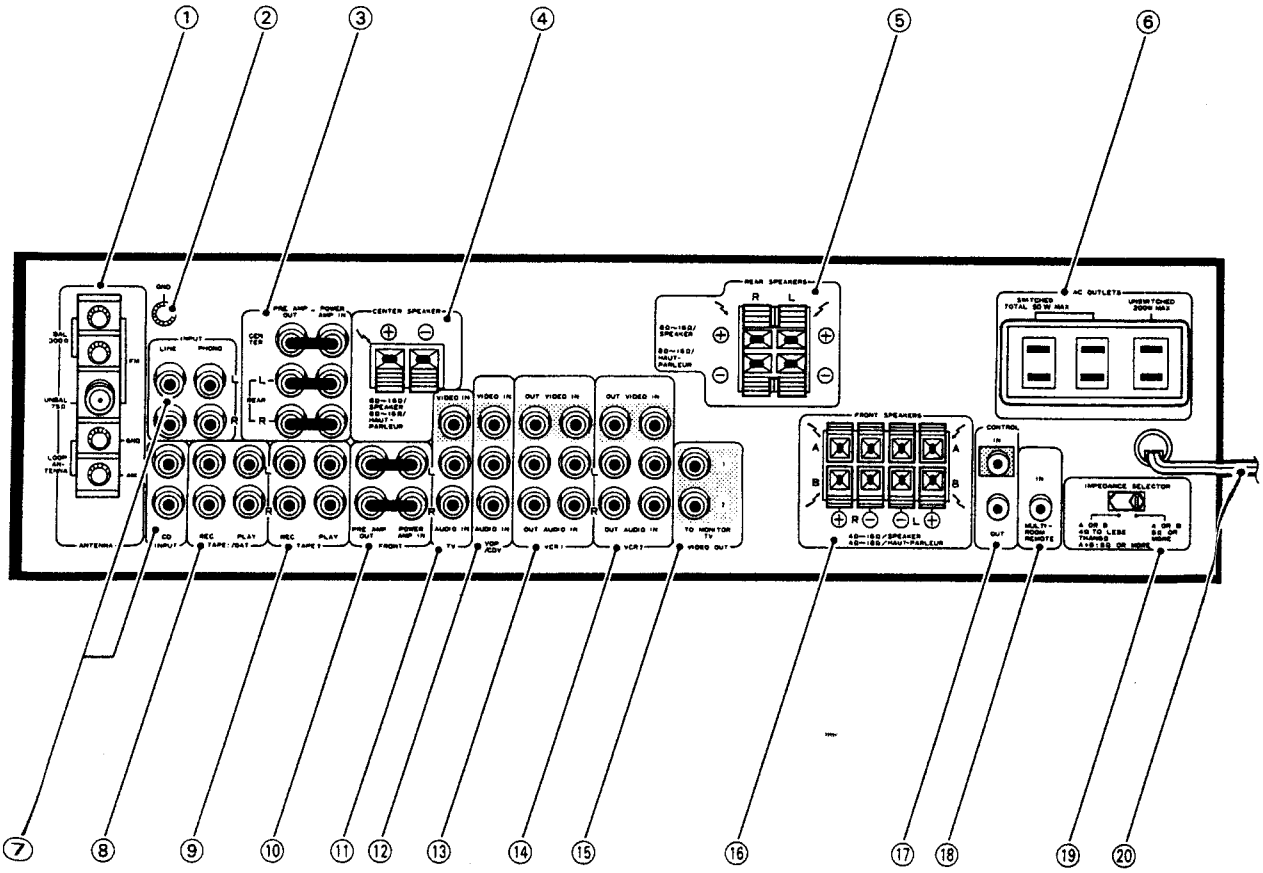
⑱ SEARCH indicator

⑲ AUTO TUNING indicator
Lights up when in the auto tuning mode.

⑳ SURROUND MODE indicators

㉑ DOLBY PRO LOGIC SURROUND/DOLBY 3CH LOGIC CENTER MODE indicator
Displays the mode selected with the CENTER MODE switch.

㉒ DELAY TIME display
Shows the delay time during surround operation.



① FM/AM ANTENNA terminals

Use these antenna terminals for reception of normal FM and AM broadcasts.

② GND terminal

Connect the turntable ground lead to this terminal.

③ CENTER, REAR PRE AMP OUT and POWER AMP IN jacks

[CENTER PRE AMP OUT]
When a separate power amplifier is used to drive the center speaker, connect the power amplifier to this jack.
[CENTER POWER AMP IN]
When a separate pre-amplifier is connected and this unit is used as power amplifier, connect the pre-amplifier to this jack.
[REAR PRE AMP OUT]
When a separate power amplifier is used to drive the rear speakers, connect the power amplifier to these jacks.
[REAR POWER AMP IN]
When a separate pre-amplifier is connected and this unit is used as power amplifier, connect the pre-amplifier to these jacks.

④ CENTER SPEAKER terminals

Connect the center speaker to these terminals.

NOTE:
Do not allow any of the cord's conductors to protrude from the terminals or touch any other conductors. Malfunctioning or breakdowns may occur when conductors come into contact with each other.
Use center speaker of impedance 8Ω — 16Ω.

⑤ REAR SPEAKERS terminals

Connect the rear speakers to these terminals.

NOTE:
Do not allow any of the cord's conductors to protrude from the terminals or touch any other conductors. Malfunctioning or breakdowns may occur when conductors come into contact with each other.
Use rear speakers of impedance 8 Ω — 16 Ω.

⑥ AC OUTLETS

[U.S. and Canadian models]
SWITCHED TOTAL 50 W MAX
Power supplied through these outlets is turned on and off by the receiver's POWER switch. Total electrical power consumption of connected equipment should not exceed 50 W.
UNSWITCHED 200 W MAX
Power flows continually to this outlet, regardless of whether the receiver is switched ON or OFF. Electrical power consumption of the connected equipment should not exceed 200 W.
The equipment should be disconnected by removing the power plug from the wall socket when not in regular use, e.g. when on vacation.
[Multi-voltage model]
SWITCHED TOTAL 100 W MAX
Power supplied through these outlets is turned on and off by the receiver's POWER switch. Total electrical power consumption of connected equipment should not exceed 100 W.
UNSWITCHED 200 W MAX
Power flows continually to this outlet, regardless of whether the receiver is switched ON or OFF. Electrical power consumption of the connected equipment should not exceed 200 W.
The equipment should be disconnected by removing the power plug from the wall socket when not in regular use, e.g. when on vacation.

NOTE:
Do not connect appliances with high power consumption such as heaters, irons, or television sets to the AC OUTLETS in order to avoid overheating or fire risk.
This can cause the receiver to malfunction.

⑦ INPUT jacks

PHONO..... Connect to the output cables from a turntable.
LINE..... Connect to the out put jacks of an audio component.
CD..... Connect to the output jacks of a compact disc player.

⑧ TAPE 1/DAT jacks

Use these to connect a first cassette deck or DAT (digital audio tape deck).
Connecting for Recording
The tape recording jack (REC) on the cassette deck or DAT should be connected to the REC side of the TAPE 1/DAT jack on the receiver with a pin plug connecting cord.
Connecting for Playback
Connect the PLAY jack on the cassette deck or DAT to the PLAY side of the TAPE 1/DAT jack on the receiver with a pin plug connecting cord.

⑨ TAPE 2 jacks

Connect a second cassette deck to these jacks.
Connecting for Recording
The tape recording jack (REC) on the cassette deck should be connected to the REC side of the TAPE 2 jack on the receiver with a pin plug connecting cord.
Connecting for Playback
Connect the PLAY jack on the cassette deck to the PLAY side of the TAPE 2 jack on the receiver with a pin plug connecting cord.

⑩ FRONT PRE AMP OUT and POWER AMP IN jacks

[PRE AMP OUT]
When a separate power amplifier is used to drive the front speakers, connect the power amplifier to these jacks.
[POWER AMP IN]
When a separate pre-amplifier is connected and this unit is used as power amplifier, connect the pre-amplifier to these jacks.

⑪ TV jacks

Use these jacks if you wish to connect a TV tuner having both video and audio outputs.
[VIDEO IN]
Connect the TV tuner's VIDEO OUTPUT to this jack.
[AUDIO IN (L, R)]
Connect the TV tuner's AUDIO OUTPUT to these jacks.

⑫ VDP/CDV jacks

[VIDEO IN]
When watching the video image from a LD player (VDP) or a CDV player, connect its VIDEO OUTPUT jacks here.
[AUDIO IN (L, R)]
When playing back the audio channel from a LD player (VDP) or a CDV player, connect its AUDIO OUTPUT jacks here.

⑬ VCR 1 jacks

[VIDEO OUT]
Connect to the VIDEO INPUT jacks of the first VCR.
[AUDIO OUT (L, R)]
Connect to the AUDIO INPUT jacks of the first VCR.
[VIDEO IN]
Connect to the VIDEO OUTPUT jack of the first VCR.
[AUDIO IN (L, R)]
Connect to the AUDIO OUTPUT jacks of the first VCR.

⑭ VCR 2 jacks

[VIDEO OUT]
Connect to the VIDEO INPUT jacks of the second VCR.
[AUDIO OUT (L, R)]
Connect to the AUDIO INPUT jacks of the second VCR.
[VIDEO IN]
Connect to the VIDEO OUTPUT jack of the second VCR.

[AUDIO IN (L, R)]
Connect to the AUDIO OUTPUT jacks of the second VCR.

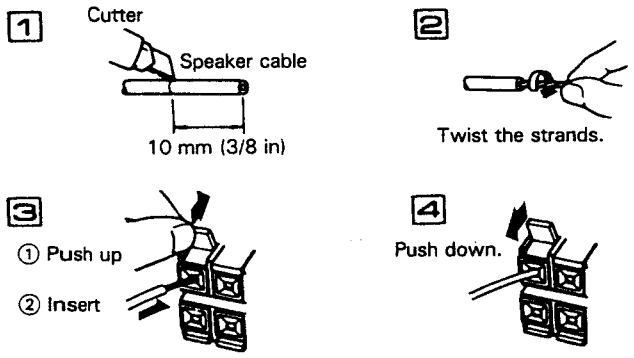
⑮ VIDEO OUT TO MONITOR TV jacks

Connect to monitor TV or to TV sets with video input terminals for watching program materials from a VCR or VDP/CDV connected to this unit.

⑯ FRONT SPEAKERS terminals

A: Connect to a first set of speakers.
B: Connect to a second set of speakers.

Speaker lead wire preparation and connection.

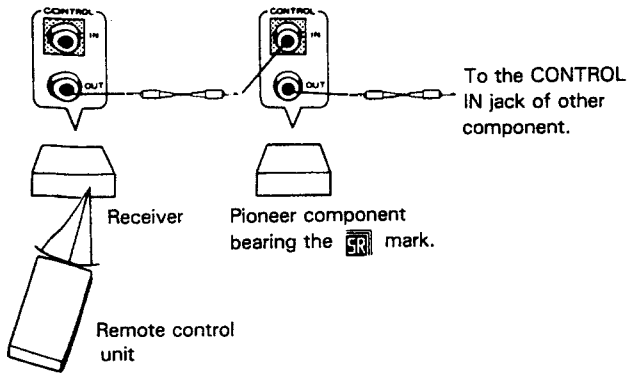


NOTE:
Do not allow any of the cord's conductors to protrude from the terminals or touch any other conductors. Malfunctioning or breakdowns may occur when conductors come into contact with each other.
Use speakers of impedance 4 Ω–16 Ω. Also set the IMPEDANCE SELECTOR switch to match the impedance of your speakers.

⑰ CONTROL IN/OUT jacks

IN: Connect this jack to other Pioneer components (main unit or remote control unit) when using those components to control this unit.
OUT: Connect this jack to other Pioneer components when using the remote control of this unit to control the other components.

NOTE:
The receiver's remote sensor does not function when a plug is inserted in the IN jack. To operate, point the remote control unit at the remote sensor on the component to which the receiver's IN jack is connected.

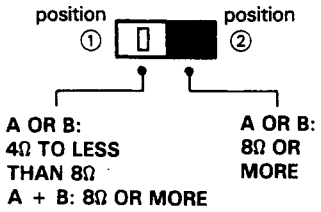


⑱ MULTI-ROOM REMOTE IN jack

Connect the adaptor (MR-100, sold separately) to this Multi-Remote IN jack. You can operate the unit by remote control through the adaptor. It is convenient when the unit is located in a separate room.

⑲ IMPEDANCE SELECTOR switch

Set this switch to match the impedance of your speakers.



• When using a pair of speakers:

Impedance of a speaker	Selector position
4 Ω to less than 8 Ω	①
8 Ω or more	②

• When using two pairs of speakers:
Select ① as the selector switch position and use speakers having impedance of 8 ohms or more.

NOTE:
Turn off the receiver's power before changing the impedance selector switch setting.

⑳ Power cord

10. SPECIFICATIONS

Amplifier section

[POWER AMP IN]

Continuous average power output of 105 watts* per channel, min., at 8 ohms, from 20 Hz to 20,000 Hz with no more than 0.008 % total harmonic distortion (front).**

Continuous power output
- Rear ..... 25 W + 25 W (1 kHz, 0.08%, 8 Ω)
- Center ..... 25 W (1 kHz, 0.08%, 8 Ω)

Dynamic Power (2 Ω/4 Ω/8 Ω) ..... 230 W/200 W/150 W

Input (Sensitivity/Impedance)
- PHONO MM ..... 2.5 mV/47 kΩ
- CD, TAPE 1/DAT, TAPE 2, LINE, VDP/CDV, TV, VCR 1, VCR 2 ..... 150 mV/47 kΩ
- FRONT POWER AMP IN ..... 1 V/47 kΩ

Phono Overload Level (T.H.D. 0.08 %, 1000 Hz)
- PHONO MM ..... 130 mV

Frequency Response
- PHONO MM ..... 20 Hz to 20,000 Hz ±0.3 dB
- CD, TAPE 1/DAT, TAPE 2, LINE, VDP/CDV, TV, VCR 1, VCR 2 ..... 5 Hz to 100,000 Hz $^{+0}_{-3}$ dB

Output (Level/Impedance)
- TAPE 1/DAT REC, TAPE 2 REC ..... 150 mV/2.2 kΩ
- VCR 1 OUT, VCR 2 OUT ..... 150 mV/2.2 kΩ
- PRE AMP OUT ..... 1 V/470 Ω

Tone Control
- BASS 100 Hz ..... ±8 dB
- TREBLE 10 kHz ..... ±8 dB

Loudness Contour ..... 6 dB (100 Hz)
3 dB (10 kHz)

Signal-to-Noise Ratio (IHF, short circuited, A network)
- PHONO MM ..... 82 dB
- CD, TAPE 1/DAT, TAPE 2, LINE, VDP/CDV, TV, VCR 1, VCR 2 ..... 98 dB

Signal-to-Noise Ratio [EIA, at 1 W (1 kHz)]
- PHONO MM ..... 77 dB
- CD, TAPE 1/DAT, TAPE 2, LINE, VDP/CDV, TV, VCR 1, VCR 2 ..... 80 dB

* *Measured pursuant to the Federal Trade Commission's Trade Regulation rule on Power Output Claims for Amplifier.*

** *Measured by Audio Spectrum Analyzer.*

VIDEO Section

Input (Sensitivity/Impedance)
VCR 1, VCR 2, VDP/CDV, TV ..... 1 Vp-p/75 Ω

Output (Level/Impedance)
VCR 1, VCR 2, MONITOR ..... 1 Vp-p/75 Ω

Frequency Response
VCR 1, VCR 2, VDP/CDV, TV→MONITOR 5 Hz – 10 MHz $^{+0}_{-3}$ dB

Signal to noise ratio ..... 55 dB

Cross Talk ..... 55 dB

FM Tuner Section

Frequency Range ..... 87.5 MHz to 108 MHz

Usable Sensitivity ..... Mono; 10.8 dBf, IHF (0.95 μV/75 Ω)

50 dB Quieting Sensitivity ..... Mono; 15.3 dBf, (1.6 μV/75 Ω)
Stereo; 37.0 dBf, (19.5 μV/75 Ω)

Signal-to-Noise Ratio ..... Mono; 80 dB (at 65 dBf)
Stereo; 76 dB (at 85 dBf)

Distortion ..... Mono; 0.2 % (1 kHz)
Stereo; 0.3 % (1 kHz)

Capture Ratio ..... 1 dB

Alternate Channel Selectivity ..... 65 dB (400 kHz)

Stereo Separation ..... 45 dB (1 kHz)

Frequency Response ..... 30 Hz to 15 kHz ($^{+0.5}_{-2.0}$)dB

Image Interference Ratio ..... 50 dB

IF Interference Ratio ..... 80 dB

Antenna Input ..... 300 Ω balanced
75 Ω unbalanced

AM Tuner Section

Frequency range
- U.S.and Canadian models ..... 530 kHz to 1,700 kHz

Multi-voltage model
- With 10 kHz step ..... 530 kHz to 1,700 kHz
- With 9 kHz step ..... 531 kHz to 1,602 kHz

Sensitivity (IHF, Loop antenna) ..... 300 μV/m

Selectivity ..... 25 dB

Signal-to-Noise Ratio ..... 50 dB

Antenna ..... Loop antenna

Miscellaneous

Power requirements
- U.S. and Canadian models ..... AC 120 V, 60 Hz
- Multi-voltage model ..... AC 110 V/120-127 V/220 V/240 V (switchable) 50/60 Hz

Power consumption
- U.S. and Canadian models ..... 440 W, 550 VA
- Multi-voltage model ..... 620 W

In standby condition ..... 3 W

AC Outlets

U.S. and Canadian models
- SWITCHED x 2 ..... TOTAL 50 W MAX
- UNSWITCHED x 1 ..... 200 W MAX

Multi-voltage model
- SWITCHED x 2 ..... TOTAL 100 W MAX
- UNSWITCHED x 1 ..... 200 W MAX

Dimensions ..... 420 (W) x 125.5 (H) x 395 (D) mm
16-7/16 (W) x 4-15/16 (H) x 15-9/16 (D) in

Weight (without package) ..... 10.7 kg (23 lb 10 oz)

Furnished Parts

- FM T-type antenna 1
- AM Loop antenna 1
- Dry cell battery
  - VSX-5700S size "AAA" (LR03/AM-4) Alkaline 4
  - VSX-5600 size "AAA" (R03/UM-4) 2
- Remote control unit 1
- Operating Instructions 1
- Template (VSX-5700S) 2

NOTE:
Specifications and the design subject to possible modifications without notice due to improvements.