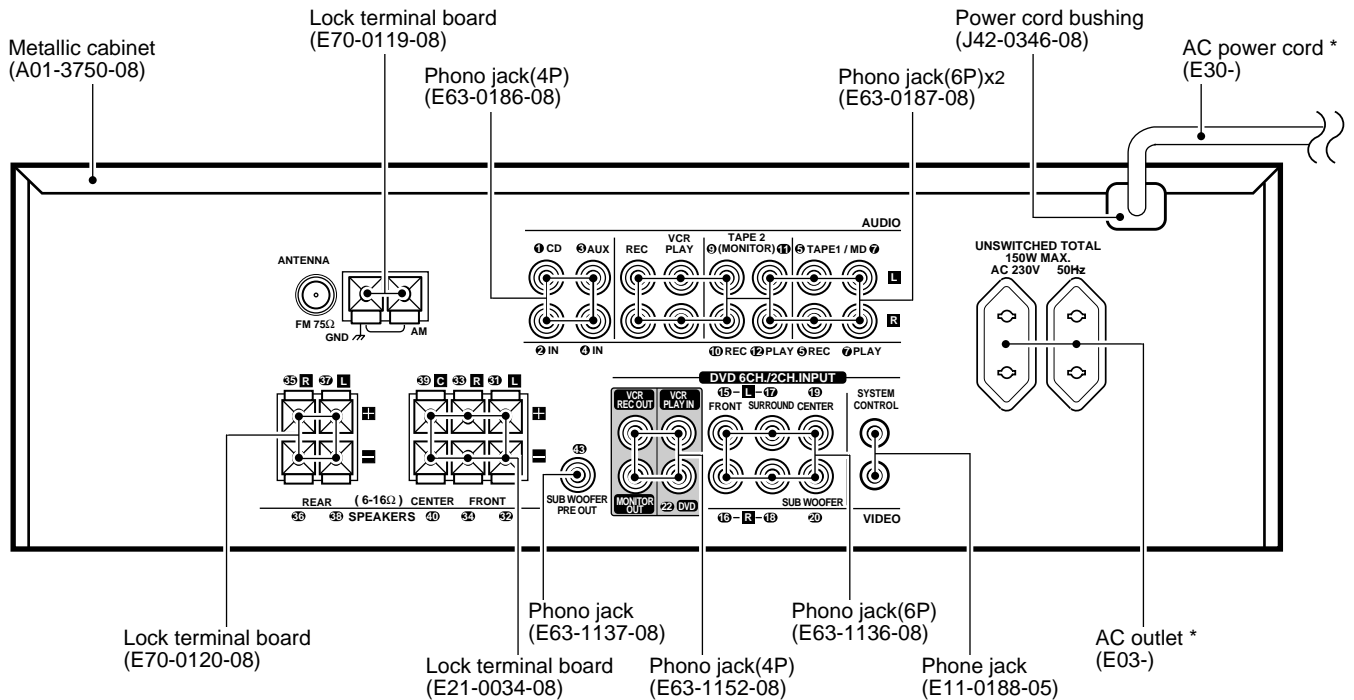
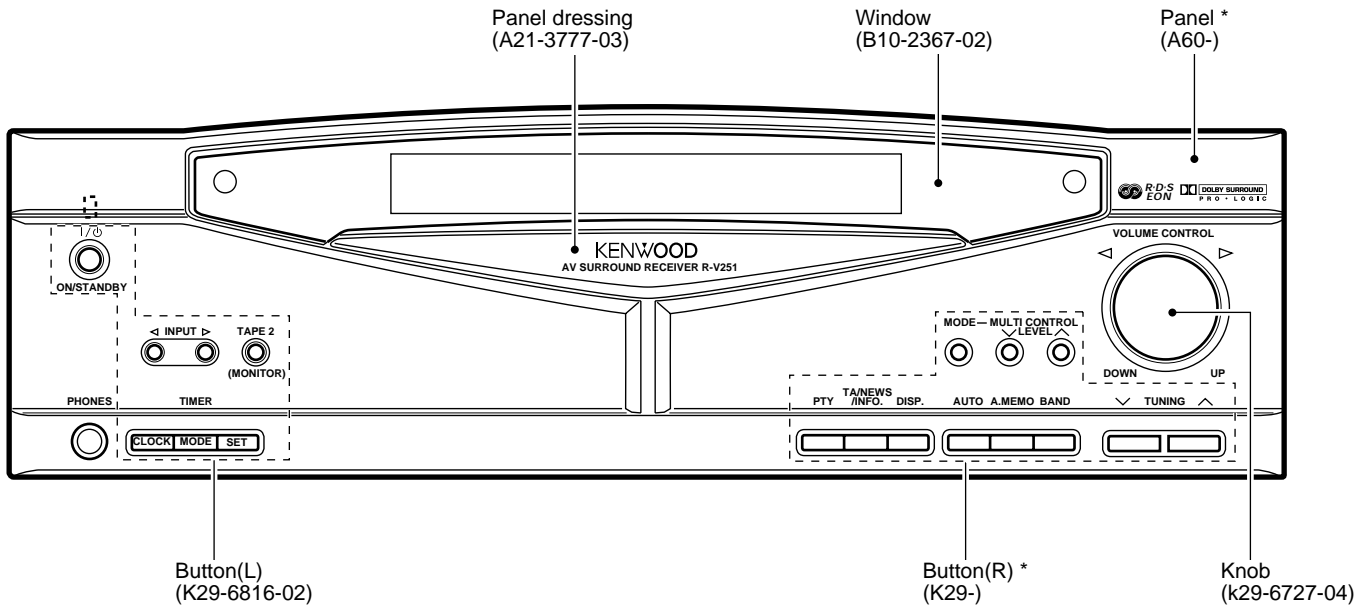


# R-V251

## SERVICE MANUAL



\* Refer to parts list on page 25

**Caution :** No connection of ground line if disassemble the unit.  
Please connect the ground line on rear panel, PCBs, Chassis and some others.



# R-V251

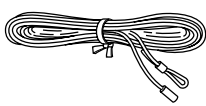
## CONTENTS / ACCESSORIES / CAUTIONS

### Contents

CONTENTS / ACCESSORIES / CAUTIONS.....	2	SCHEMATIC DIAGRAM .....	13
BLOCK DIAGRAM .....	3	EXPLODED VIEW .....	24
CIRCUIT DESCRIPTION .....	4	PARTS LIST.....	25
ADJUSTMENT .....	8	SPECIFICATIONS .....	31
PC BOARD .....	9		

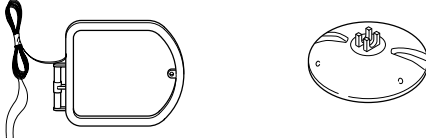
### Accessories

FM indoor antenna (1)  
(T90-0830-08)

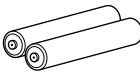


AM loop antenna (1) (T90-0804-08)

Loop antenna stand (1)

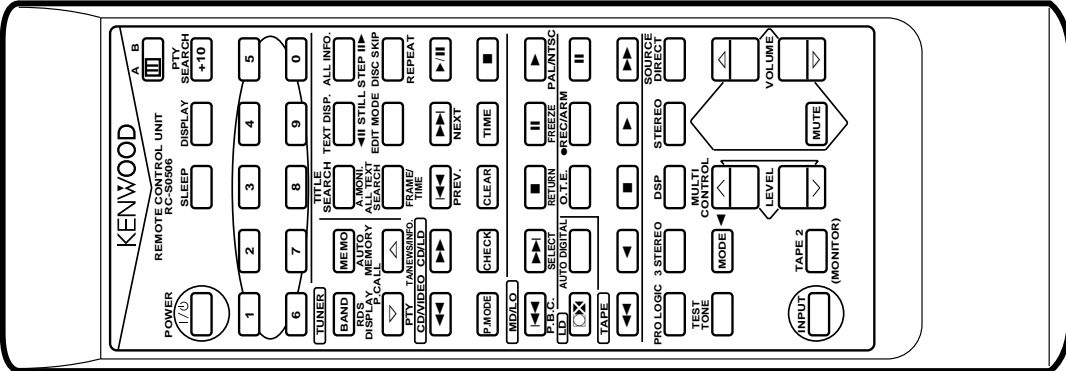


Batteries(R6/AA)



Remote control unit (1)  
(A70-1306-05): RC-S0506...TE  
(A70-1305-05): RC-S0505...X

Battery cover (A09-0378-08)



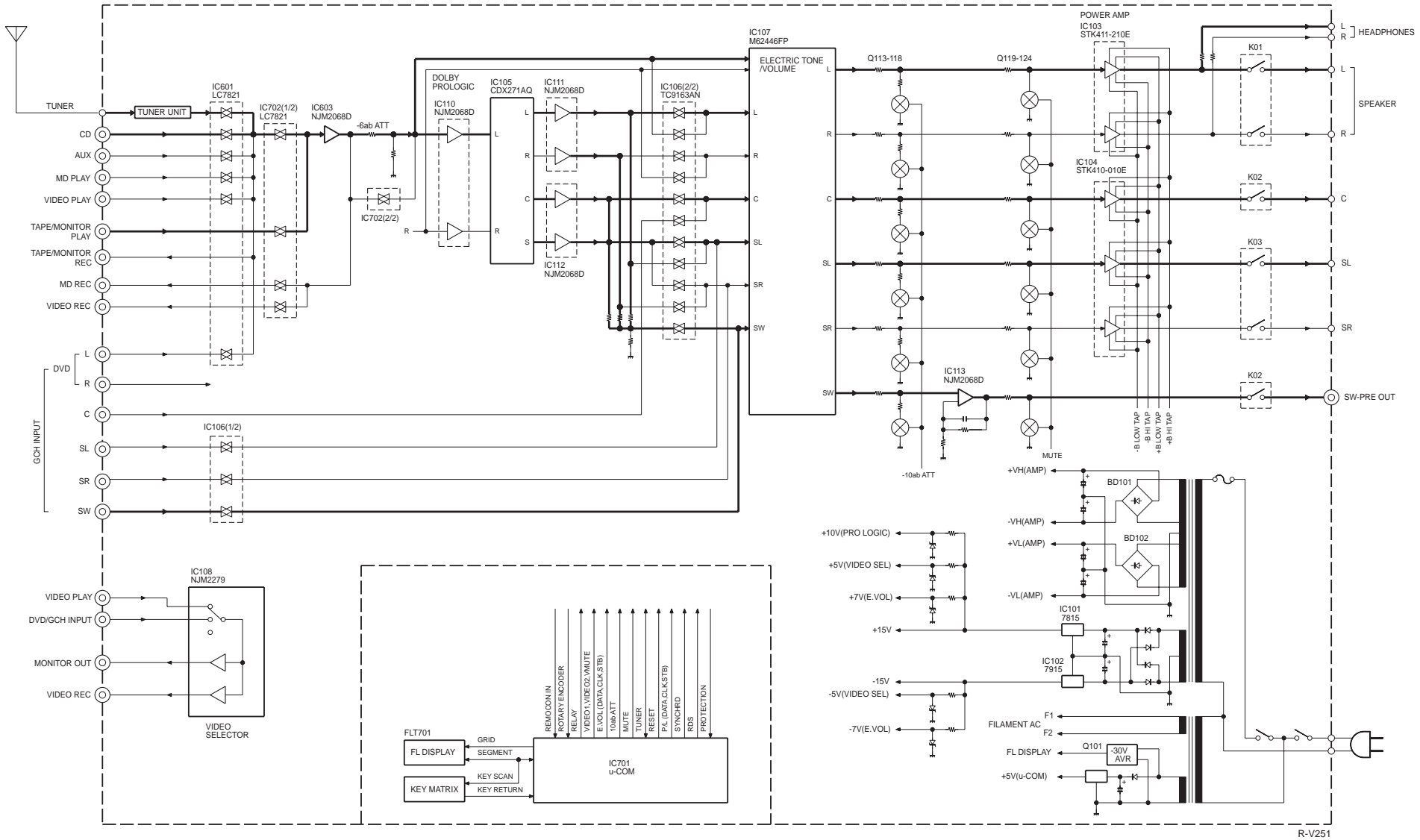
### Cautions

#### *How to reset the microcomputer*

The microcomputer may malfunction (impossibility of operation, erroneous display, etc.) when the power cord is unplugged and plugged in again while the unit is in ON mode with the I/⏻ key pressed or due to other external causes. In this case, execute the procedure on the right to reset the microcomputer and return the unit to the normal condition.

- ① Unplug the power cord from the wall outlet.
- ② While holding the I/⏻ (ON/STANDBY) key depressed, plug the power cord into the wall outlet again.

● Resetting the microcomputer clears the memory you entered and returns it to the initial condition when the unit left the factory.



**BLOCK DIAGRAM**

**R-V251**

R-V251

# R-V251

## CIRCUIT DESCRIPTION

### 1. Microprocessor : (FRONT PCB,IC701)

#### 1-1. Pin description

Pin. No.	Pin Name	I/O	Description	Active	
				H	L
1,2	G1,G2	O	FL grid control.		
3	PULL UP	-	Connected to VCC(+5.0V).		
4	POWER DOWN	I	AC selector.		
5	VOL. UP	I	Volume encoder A(CW) signal.		
6	RDS CLK	I	RDS IC(IC703) clock input control.		
7	VOL. DOWN	I	Volume encoder B(CCW) signal.		
8	RMC	I	Remote control signal input.		
9	RDS DATA	I	RDS IC(IC703) data input control.		
10,11	NC	-	Unused.		
12	PROTECTION	I	Detection input port of protection.	ON	
13	STEREO	I	Detection input port of stereo signal for TUNER.		STEREO
14	PLL CE	O	PLL IC(IC402) CE signal output.		
15	RCVR CLK	O	SEL. IC(IC601,602,106) clock signal output.		
16	RCVR DATA	O	SEL. IC(IC601,602,106) data signal output.		
17~19	KEY3~1	I	Key return 3~1.		
20	S. DATA	I/O	Serial communication data.		
21	S. BUSY	I/O	Serial communication busy.		
22	E.VOL CK	O	E.volume IC(IC107) clock control.	ACTIVE	
23	E.VOL DT	O	E.volume IC(IC107) data control.		
24	E.VOL ST	O	E.volume IC(IC107) strobe control.	ACTIVE	
25	PLL DO	I	PLL IC(IC402) DO signal.		
26	RCV CE	I	Receiver chip enable signal.		ENABLE
27	DSP CE	O	DSP IC(IC105) XLAT.		
28	AVREF	-	Analog power supply(+5.0V).		
29	H/P DETECT	I	Detection input port of headphones jack.		
30	SD	I	Detection input port of SD signal for TUNER.		TUNED
31	S. LEVEL	I	A/D input port of signal level.		
32	DSP READY	O	DSP IC(IC105) ready.		
33	DSP DATA	O	DSP IC(IC105) data.		
34	DSP CLK	O	DSP IC(IC105) clock.		
35	OPT	I	Discrimination port of model.	E,T	X
36	CH.SPACE	-	Unused.		
37	AVSS	-	Analog ground.		
38	RESET	I	u-COM reset.		
39	EXTAL	I	Main clock(10MHz).		
40	XTAL	-	Main clock(10MHz).		
41	VSS	-	u-COM ground.		
42	TX	-	Sub clock(32.768kHz).		
43	TEX	I	Sub clock(32.768kHz).		
44	VDD	-	Power supply(+5.0V).		
45	VFDP	-	FL power supply(-33V).		
46	T. MUTE	O	Muting control of TUNER.		ON
47	MAIN MUTE	O	Muting control of main output.		ON
48	H/P MUTE	O	Muting control of headphones.		ON
49	VCR MUTE	O	VIDEO IC(IC108) control.		ON
50	DSP RESET	O	DSP IC(IC105) reset.		
51	RCV. CE	I	Receiver chip enable signal.		
52	-	-	Unused.		
53	F. RLY	O	Front speaker relay control.	ON	
54	S. RLY	O	Surround speaker relay control.	ON	
55	C. RLY	O	Center speaker relay control.	ON	

## CIRCUIT DESCRIPTION

Pin. No.	Pin Name	I/O	Description	Active	
				H	L
56	POWER RLY	O	Power relay control.	ON	
57	10dB. ATT	O	Volume 10dB attenuator control.		ON
58	ST. LED	O	STANDBY LED control(RED).	ON	
59	ST. LED	O	STANDBY LED control(GREEN).	ON	
60~69	-	-	Unused.		
70~77	9S~16S	O	FL segment(9~16) and key scan(1~8) control.		
78~85	1S~8S	O	FL segment(1~8) control.		
86~88	-	-	Unused.		
89	VDD	-	u-COM power supply(+5.0V).		
90,91	-	-	Unused.		
92~100	G11~G03	O	FL grid control.		

## 2. Key matrix

	KS1(77pin)	KS2(76pin)	KS3(75pin)	KS4(74pin)	KS5(73pin)	KS6(72pin)	KS7(71pin)	KS8(70pin)
K1(19pin)	MODE	TUNING ∨	-	-	-	-	PTY	AUTO
K2(18pin)	MULTI <	TUNING ^	TIMER CLOCK	-	TIMER MODE	TIMER SET	TA	MEMO
K3(17pin)	MULTI >	-	INPUT <	ON/STBY	INPUT >	TAPE2	DISP	BAND

## 3. Pin description of dolby prologic IC(MAIN PCB IC105)

Pin No.	Name	I/O	Description
1~3	T.P	O	Test monitor. Normally outputs Low.(Unused.)
4	VSSO	-	Digital GND.
5~8	T.P	O	Test monitor. Normally outputs Low.(Unused.)
9	TSTO	I	Digital GND.
10	VDDO	-	Digital power supply.
11	VSS1	-	Digital GND.
12~15	TST1~4	I	Digital GND.
16	XRST	I	System reset input. Reset when Low.
17	BFOT	O	Unused.
18	CSL1	I	Digital power supply.
19	CSL2	I	Digital GND.
20	VSS2	-	Digital GND.
21	AVS3	-	L-ch DA converter GND.
22	AVD3	-	L-ch DA converter power supply.
23	LOUT	O	L-ch DA converter output.
24	AVD1	-	L-ch AD converter power supply.
25	AVS1	-	L-ch AD converter GND.
26	L01	O	L-ch AD converter LPF operational amplifier inverted output.
27	LIN	I	L-ch AD converter analog input.
28	AVD5	-	C-ch DA converter power supply.
29	AVS5	-	C-ch DA converter GND.
30	XCOU	O	C-ch DA converter output.
31	AVDX	-	Analog power supply for master clock.
32	XTLO	O	Crystal oscillator circuit output.
33	XTL1	I	Crystal oscillator circuit input.
34	AVSX	-	Analog GND for master clock.
35	XSOU	O	S-ch DA converter output.
36	AVS6	-	S-ch DA converter GND.
37	AVD6	-	S-ch DA converter power supply.
38	RIN	I	R-ch AD converter analog input.
39	LO2	O	R-ch AD converter LPF operational amplifier inverted output.
40	AVS2	-	R-ch AD converter GND.

# R-V251

## CIRCUIT DESCRIPTION

Pin No.	Name	I/O	Description
41	AVD2	-	R-ch AD converter power supply.
42	ROUT	O	R-ch DA converter output.
43	AVD4	-	R-ch DA converter power supply.
44	AVS4	-	R-ch DA converter GND.
45	VSS3	-	Digital GND.
46	SCK	I	Shift clock input for microcomputer interface.
47	REDY	O	Transfer enabling signal output for microcomputer interface. Transfer prohibited when Low.
48	T.P	O	Unused.
49	XLAT	I	Latch input for microcomputer interface.
50	RVDT	I	Data input for microcomputer interface.
51	XS24	I	Serial data 24-/32bit slot selection. 24-bit slot when Low.(valid for slave mode)
52	VDD1	-	Digital power supply.
53	VSS4	-	Digital GND.
54	T.P	O	Unused.
55	SI	I	GND.
56	T.P	I	GND.
57	BCK	I/O	Unused.
58	LRCK	I/O	Unused.
59	VSS5	-	Digital GND.
60	XMST	I	Digital GND.
61~63	T.P	O	Unused.
64	VSS6	-	Digital GND.
65~72	T.P	O	Unused.
73	VDD2	-	Digital power supply.
74	VSS7	-	Digital GND.
75~80	T.P	O	Unused.

## CIRCUIT DESCRIPTION

### 4. Function table

#### 4-1. Mode selector: KIC9163AN(IC106)

IC CHANNEL	Lch	Rch	Lch	Rch	Lch	Rch	Lch	Rch	Lch	Rch	Lch	Rch	Lch	Rch	Lch	Rch
IC PORT	2	27	3	26	4	25	6	23	7	22	8	21	10	19	11	18
SURROUND	---		prologic		stereo		6ch input		prologic		prologic		6ch input		prologic	
SPEAKER	FLch	FRch	FLch	FRch	FLch	FRch	SLch	SRch	SLch	SRch	SLch	SRch	Cch	SWch	Cch	SWch
DOLBY PROLOGIC	---		○		X		X		○		X		X		○	
DOLBY 3STEREO	---		○		X		X		X		X		X		○	
DSP LOGIC	---		X		X		X		○		X		X		○	
STEREO	---		X		○		X		X		X		X		○	
SOURCE DIRECT	---		X		X		X		X		X		X		○	
6ch INPUT(6ch)	---		X		○		○		X		X		○		X	
6ch INPUT(2ch)	---		X		○		X		X		X		X		X	

#### 4-2. MODE/ATT selector IC: LC7821(IC602)

IC CHANNEL	Rch	Lch	Rch	Lch	Rch	Lch	Rch	Lch	Rch	Lch	Rch	Lch	Rch	Lch	Rch	Lch
IC PORT	1	30	2	29	3	28	4	27	6	25	7	24	9	22	10	21
INPUT SELECTOR	---		VCR REC		TAPE1/MD REC		---		MONITOR		TAPE2 PLAY		---		ATT	
CD	---		○		○		---		○		X		---		○	
AUX	---		○		○		---		○		X		---		○	
VCR	---		X		○		---		○		X		---		○	
TAPE1/MD	---		○		X		---		○		X		---		○	
MONITOR ON	---		○		○		---		X		○		---		X	
TUNER	---		○		○		---		○		X		---		○	
DVD/6ch INPUT	---		○		○		---		○		X		---		○	

### 5. Test mode

Setting : While pressing the < INPUT key, plug the AC power cord into the AC wall outlet.

All the fluorescent display indicates.

(The all-illuminated state is cleared by pressing any main unit keys.)

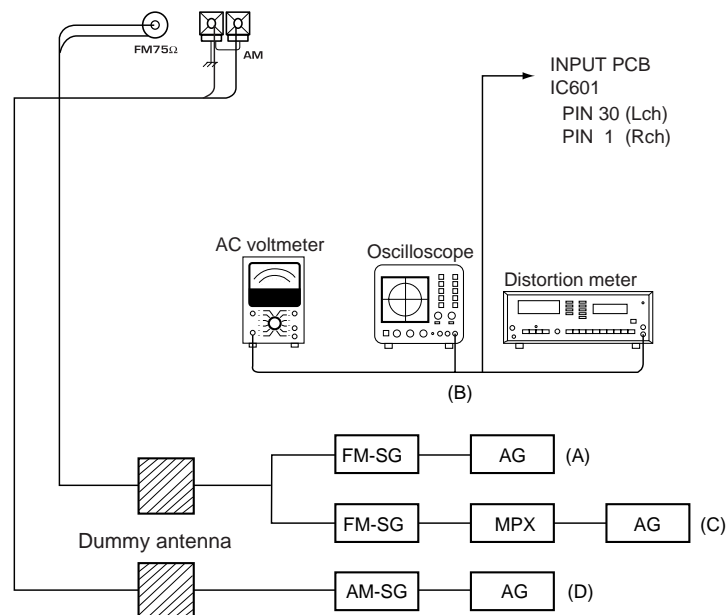
Cancelling : Plug the AC power cord out from the AC wall outlet.

# R-V251

## ADJUSTMENT

### Tuner adjustment

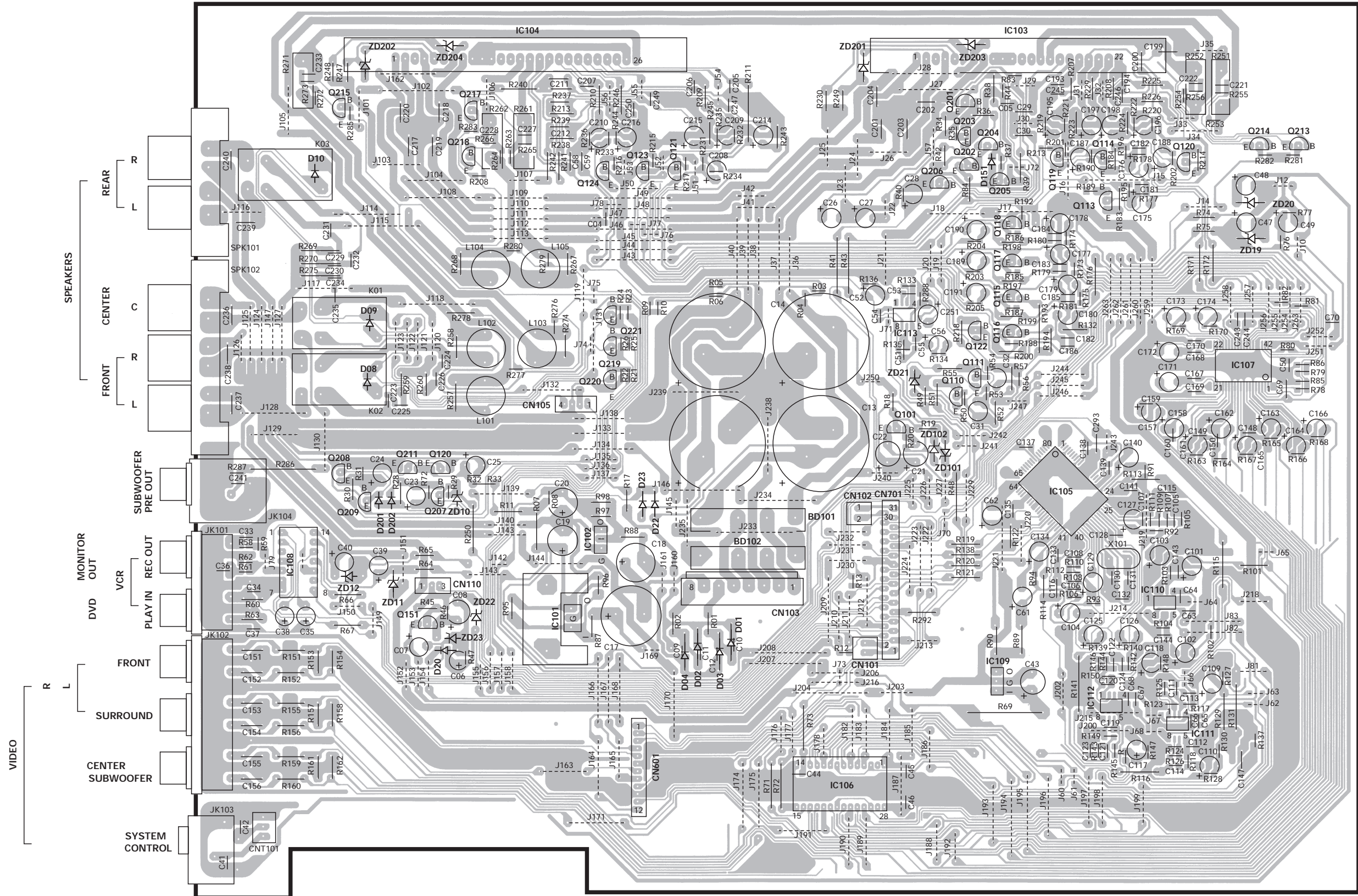
No.	ITEM	INPUT SETTING	OUTPUT SETTING	TUNER SETTING	ALIGNMENT POINTS	ALIGN FOR	FIG.
<b>FM SECTION</b>		<b>BAND : FM</b>					
1	DISCRIMINATOR	(A) CARRIER FREQ. : 98.0MHz MOD FREQ. : 1kHz DEVIATION : ±75kHz SELECTOR : MONO ANT INPUT LEVEL : 60dBu	Connect a DC voltmeter to TP401	MONO 98.0MHz	T402	0V±50mV	
2	DISTORTION (STEREO)	(A) CARRIER FREQ. : 98MHz MOD FREQ. : 1kHz DEVIATION : ±67.5kHz PILOT : ±7.5kHz SELECTOR : L or R ANT INPUT LEVEL : 60dBu	(B)	AUTO 98.0MHz	T403	Minimum distortion.	
3	TUNED LEVEL	(A) CARRIER FREQ. : 98.0MHz MOD FREQ. : 1kHz DEVIATION : ±75kHz SELECTOR : MONO ANT INPUT LEVEL : 30dBu±5dB	-	MONO 98.0MHz	VR401	Adjust VR401 and stop at the point where (TUNED) goes ON.	
<b>AM SECTION</b>		<b>BAND : AM</b>					
1	TUNED LEVEL	(D) CARRIER FREQ. : 999kHz MOD FREQ. : 1kHz 30%DEV SELECTOR : MONO ANT INPUT LEVEL : 30dBu±5dB	-	999kHz	VR402	Adjust VR402 and stop at the point where (TUNED) goes ON.	





# PC BOARD (Component side view)

MAIN UNIT



REAR  
L  
R

SPEAKERS  
CENTER  
C  
FRONT  
R  
L

SUBWOOFER  
PRE OUT

MONITOR  
OUT

DVD  
PLAY IN  
REC OUT

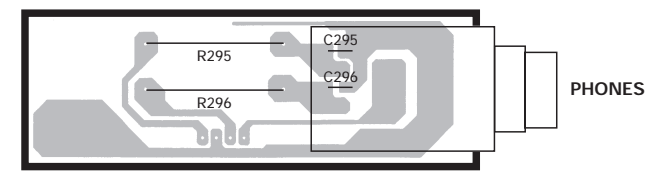
VCR

FRONT  
R  
L

SURROUND

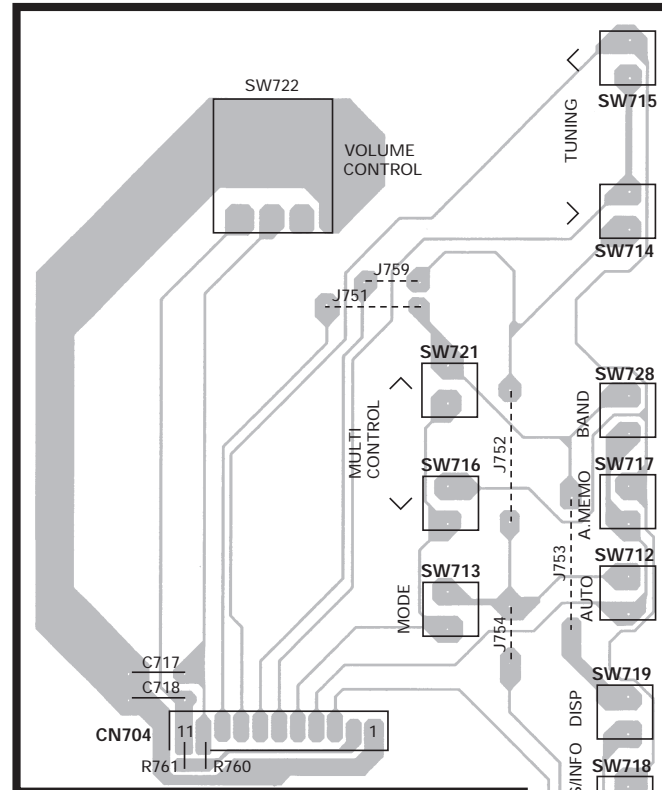
CENTER  
SUBWOOFER

SYSTEM  
CONTROL

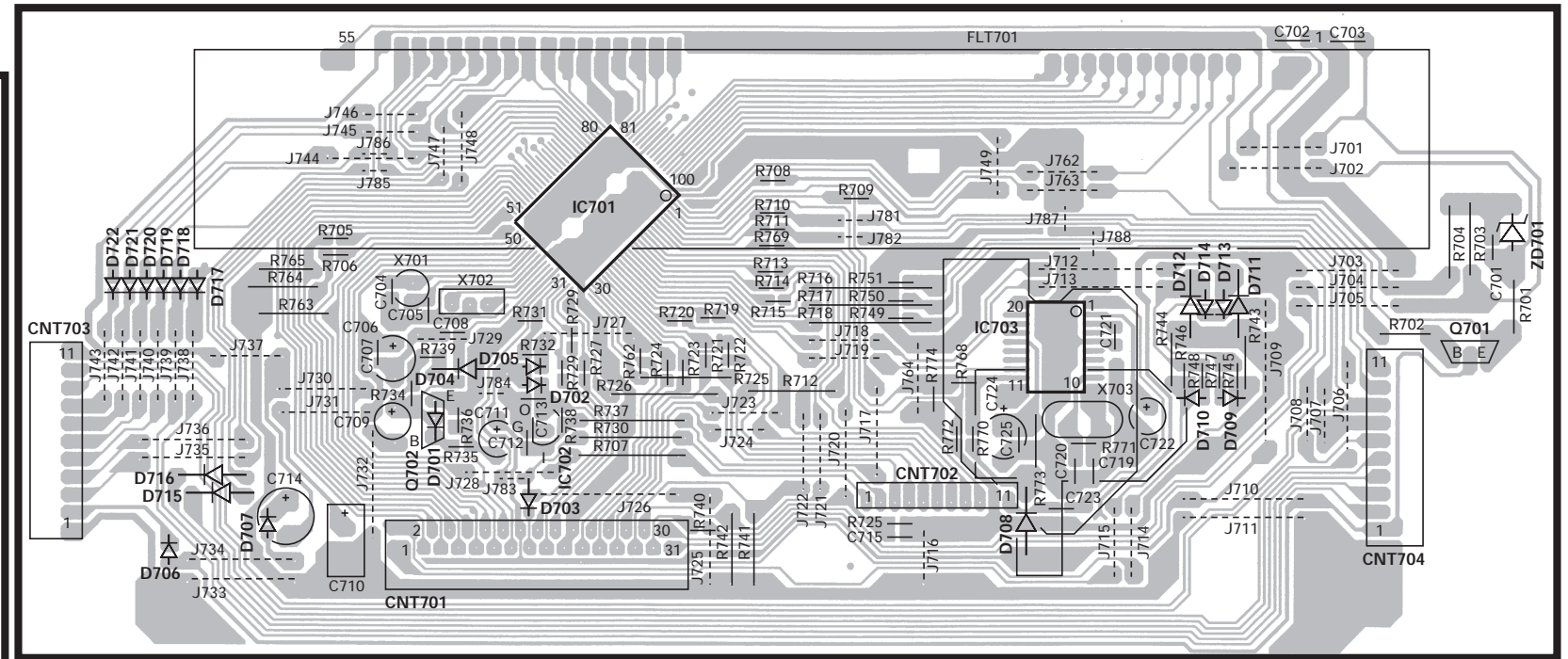


# PC BOARD (Component side view)

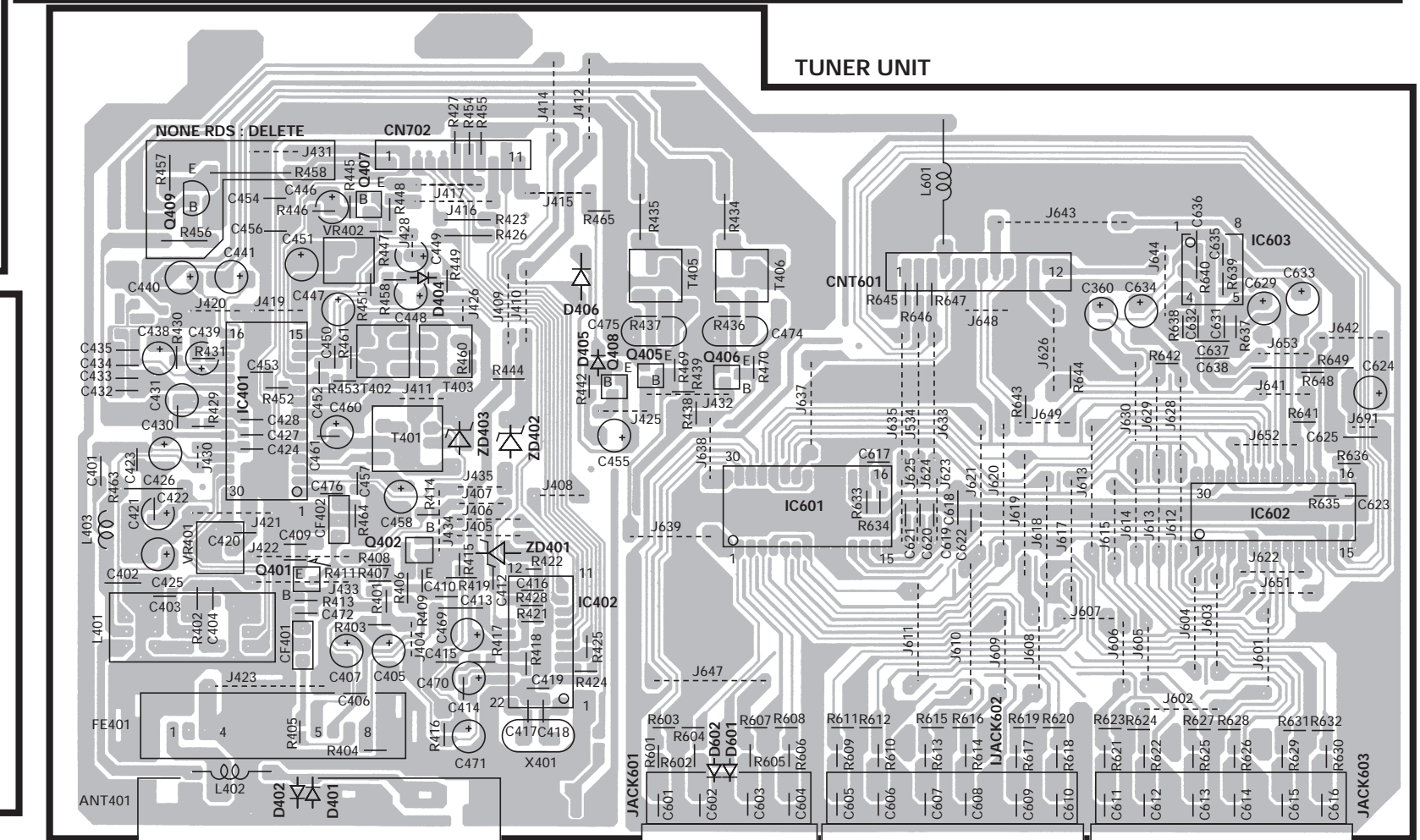
## VOLUME UNIT



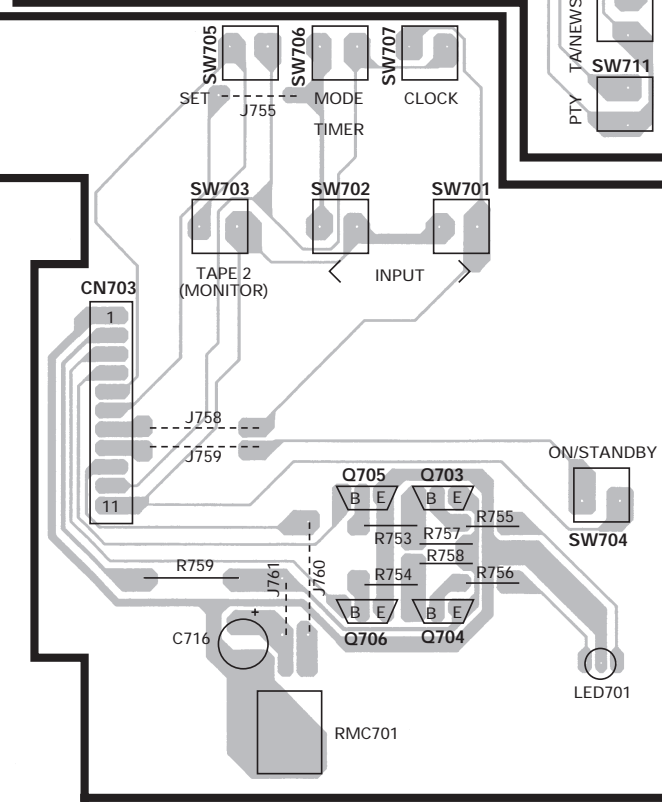
## FRONT UNIT



## TUNER UNIT

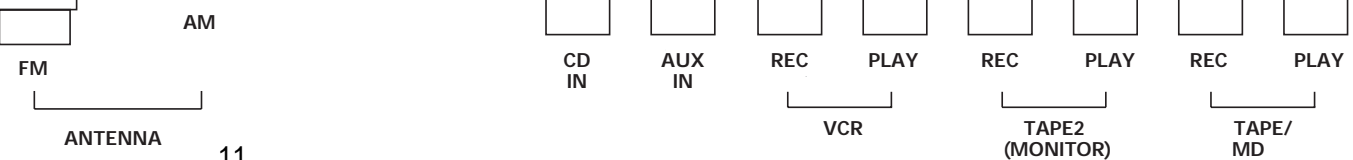


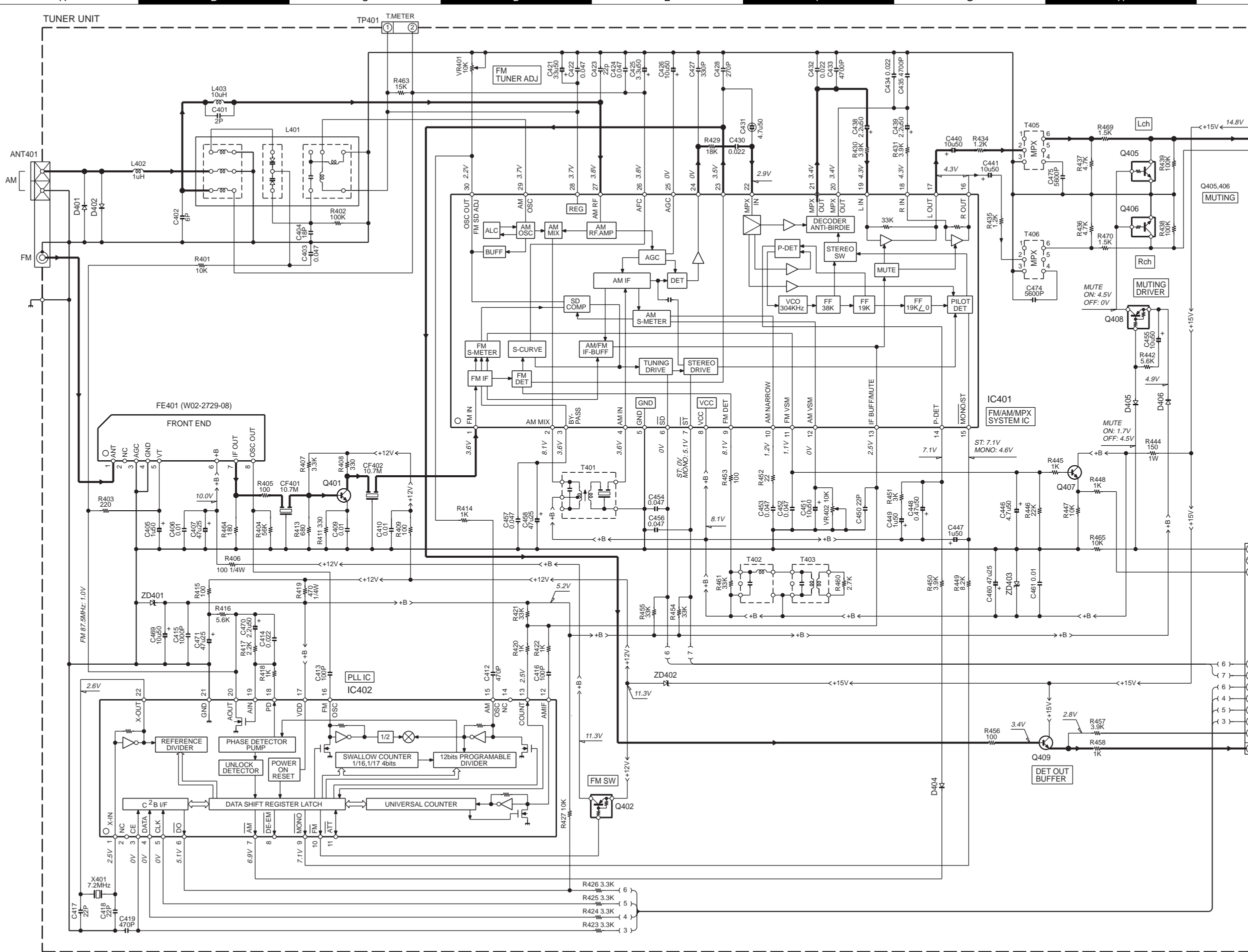
## SENSOR UNIT



• Power supply PCB illust, is not printed to keep the delivery( and simple circuit) of service manual.

Refer to the schematic diagram for the value of resistors and capacitors.





- IC401 : LA1837
- IC402 : LC72131
- Q401 : KTC3880(O)
- Q402,408 : DTA114EK
- Q405,406 : DTC343TK
- Q407 : 2SC2412K(S)
- Q409 : 2SC3194
- D401,402,404,405 : KDS160
- D406 : 1SS133
- ZD401 : MTZJ5.1B
- ZD402 : MTZJ2.7B
- ZD403 : MTZJ8.2B

——— SIGNAL LINE  
 ——— GND LINE  
 <+B< — +B LINE

**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter as the AM/FM signal generator is specified to the conditions as shown in the list below. The measurement value may vary depending on the measuring instruments used or on the product. The value shown in ( ) is actual reading measured in the AM mode.

MODE	CARRIER	MODULATION		ANT INPUT
		FREQUENCY	DEVIATION	
FM	98MHz	1kHz	STEREO 67.5kHz 7.5kHz(Pilot)	60dB
AM	1000(999)kHz	400Hz	MONO 30% MOD	60dB

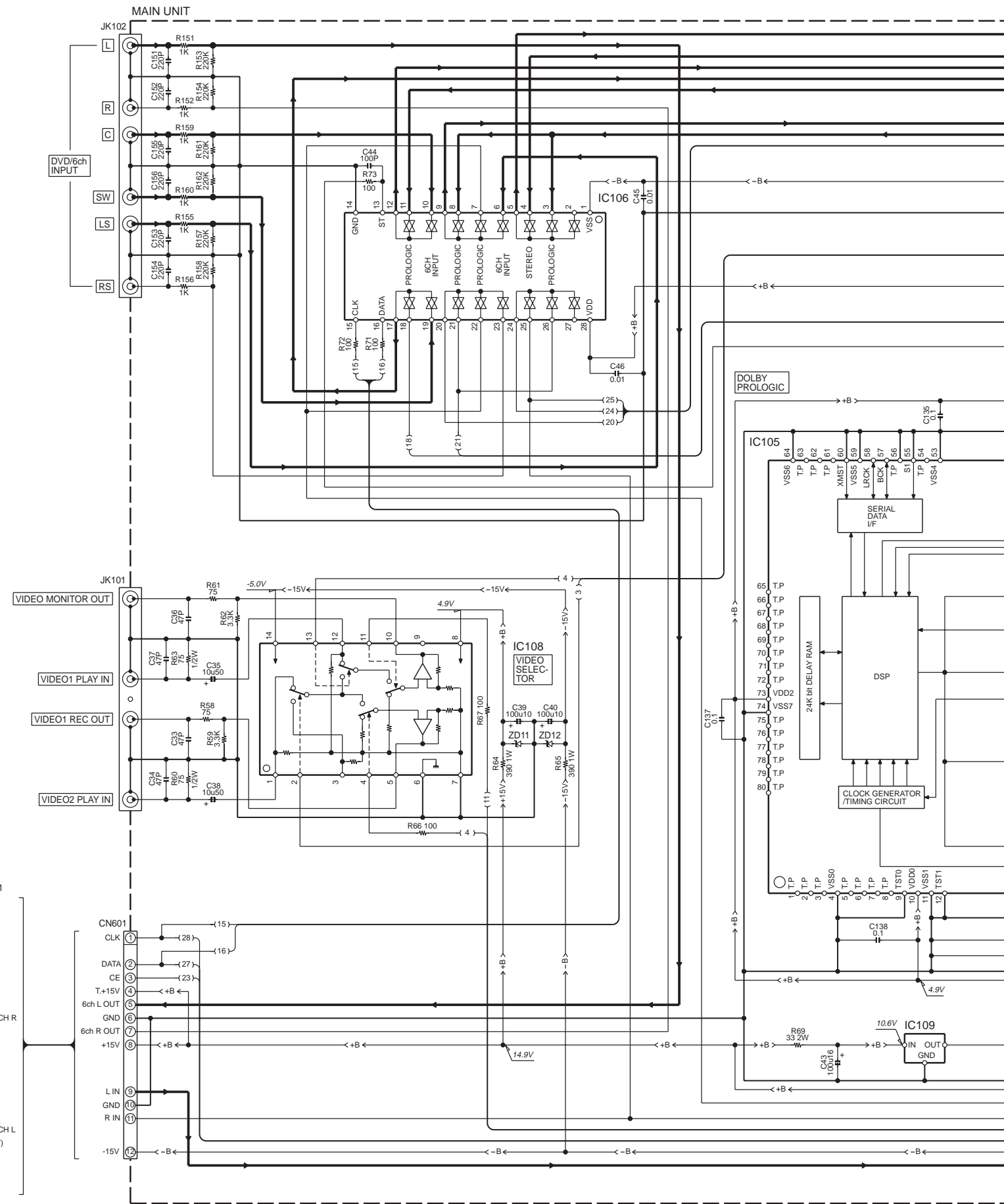
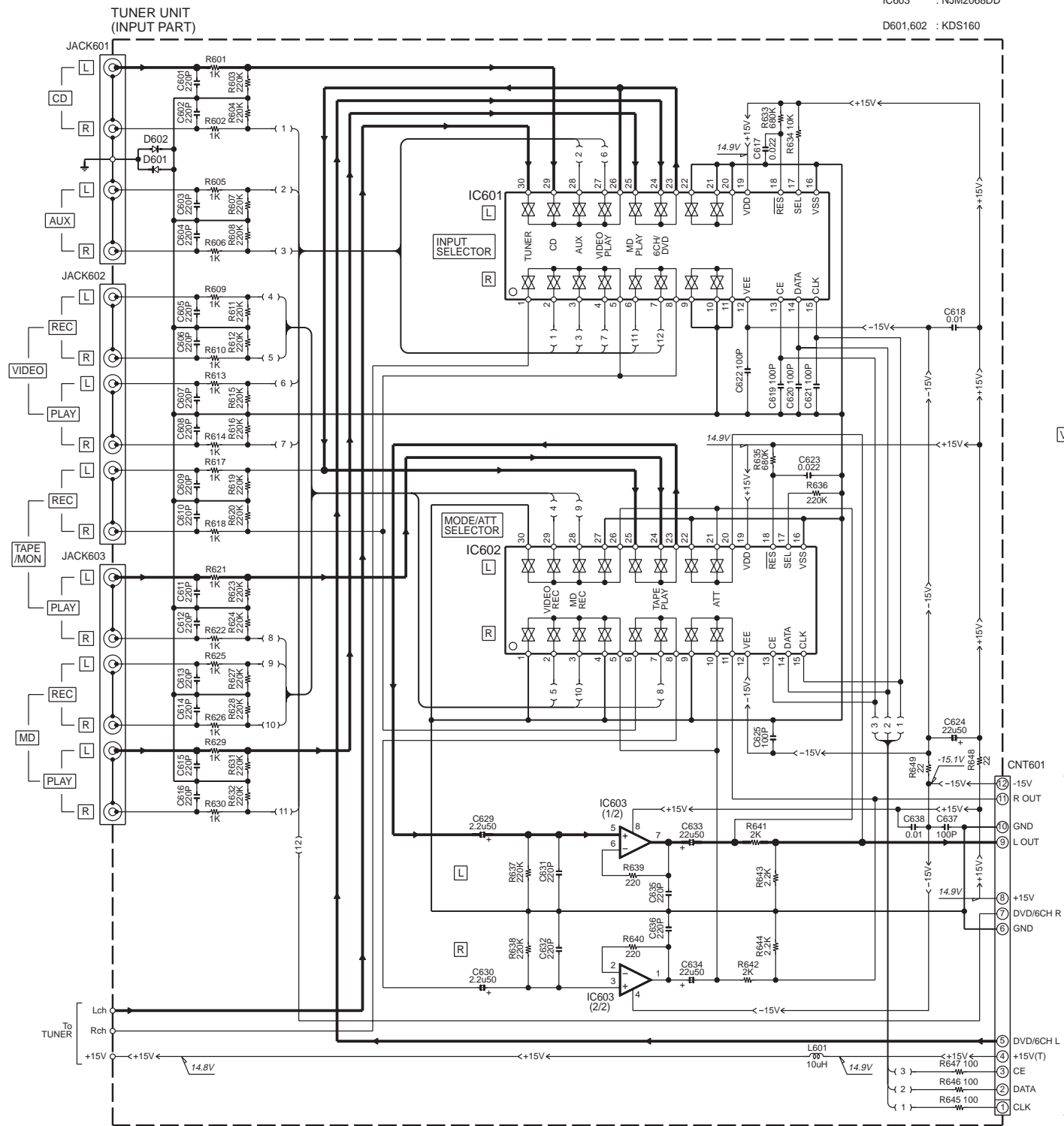
R-V251 (1/3)  
Y05-4032-70



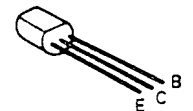
The DC voltage is an actual reading measured with a high impedance type voltmeter as the AM/FM signal generator is specified to the conditions as shown in the list below. The measurement value may vary depending on the measuring instruments used or on the product. The value shown in ( ) is actual reading measured in the AM mode.

MODE	CARRIER	MODULATION		ANT INPUT
		FREQUENCY	DEVIATION	
FM	98MHz	1kHz	STEREO 67.5kHz 7.5kHz(Pilot)	60dB
AM	1000(999)kHz	400Hz	MONO 30% MOD	60dB

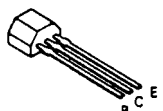
IC601,602 : LC7821  
 IC603 : NJM2068DD  
 D601,602 : KDS160



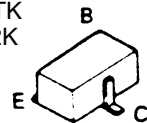
2SC1845  
2SC2878



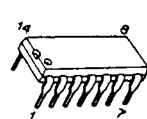
DTC114ES  
2SA933S  
2SC1740SR



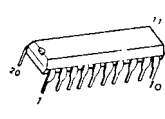
DTA114EK  
DTC343TK  
2SC2412K



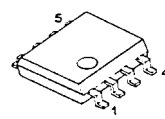
NJM2279D



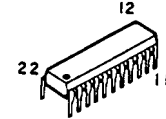
TDA7330B



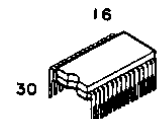
NJM2068MD



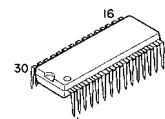
LC72131



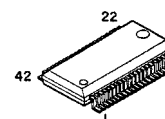
LC7821

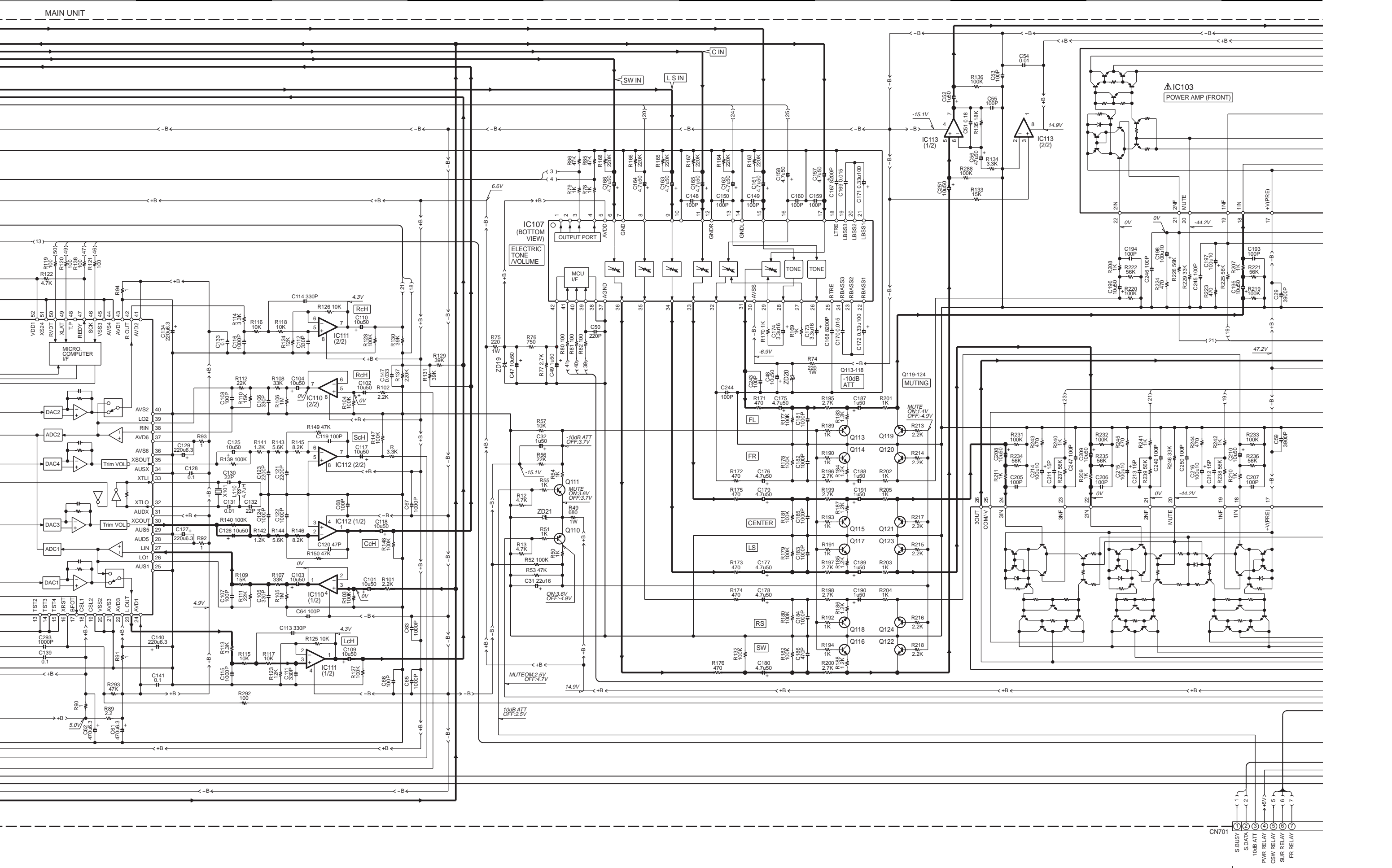


LA1837



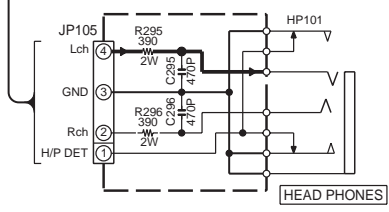
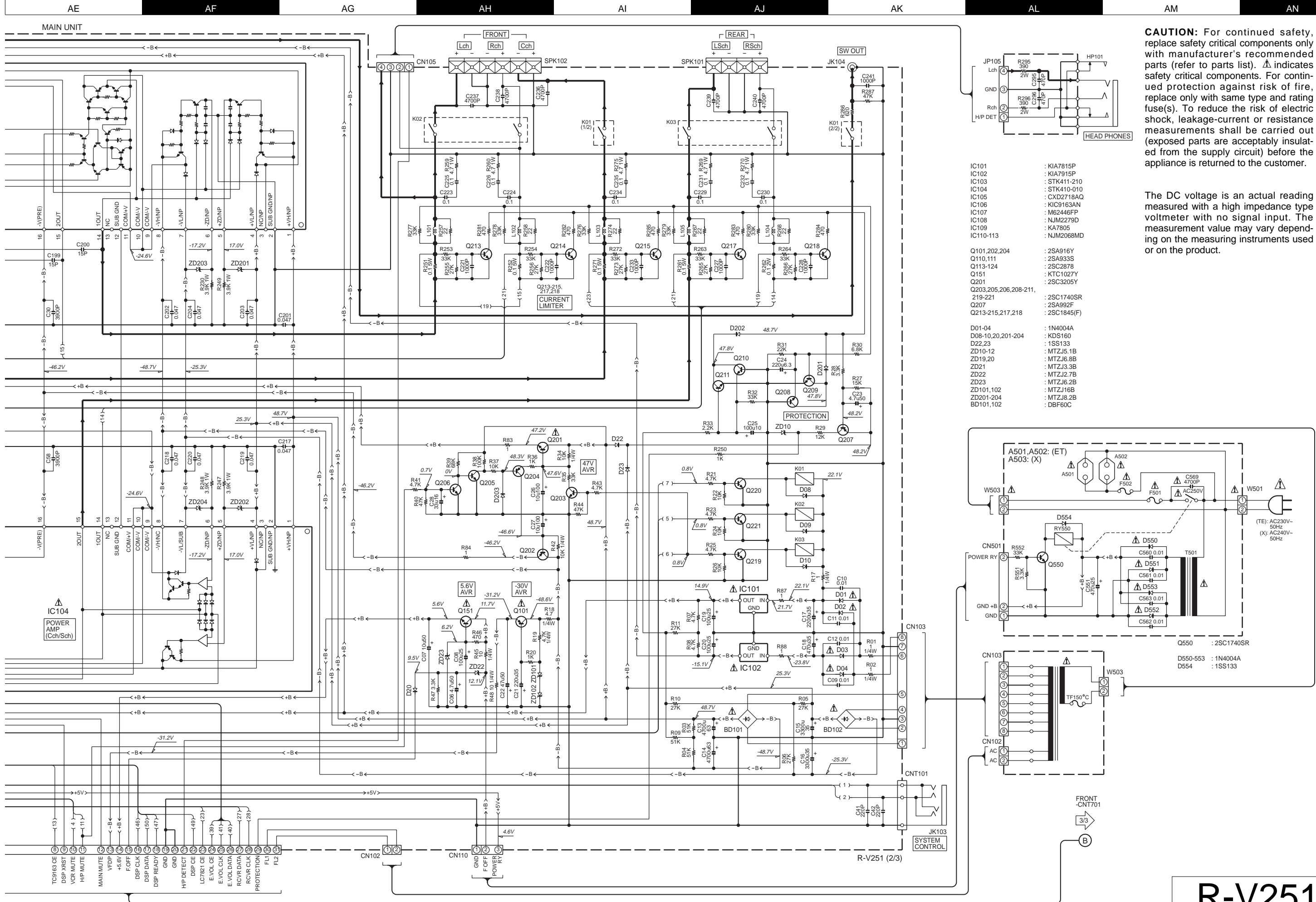
M62446FP





CN701

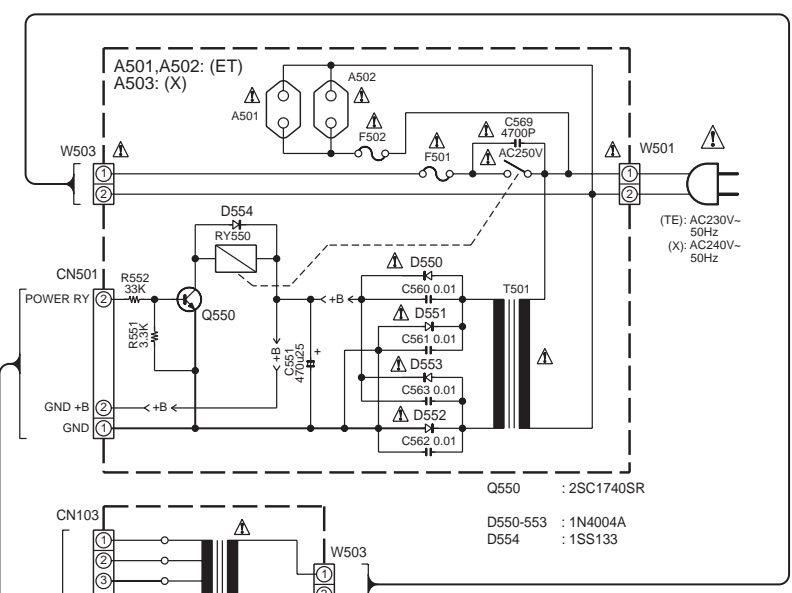
1	S.BUSY
2	S.DATA
3	10dB ATT
4	PWR RELAY
5	CSW RELAY
6	SUR RELAY
7	FR RELAY



- |                               |   |            |
|-------------------------------|---|------------|
| IC101                         | : | KIA7815P   |
| IC102                         | : | KIA7915P   |
| IC103                         | : | STK411-210 |
| IC104                         | : | STK410-010 |
| IC105                         | : | CXD2718AQ  |
| IC106                         | : | KIC9163AN  |
| IC107                         | : | M62446FP   |
| IC108                         | : | NUM2279D   |
| IC109                         | : | KA7805     |
| IC110-113                     | : | NUM2068MD  |
| Q101,202,204                  | : | 2SA916Y    |
| Q110,111                      | : | 2SA933S    |
| Q113-124                      | : | 2SC2878    |
| Q151                          | : | KTC1027Y   |
| Q201                          | : | 2SC3205Y   |
| Q203,205,206,208-211, 219-221 | : | 2SC1740SR  |
| Q207                          | : | 2SA992F    |
| Q213-215,217,218              | : | 2SC1845(F) |
| D01-04                        | : | 1N4004A    |
| D08-10,20,201-204             | : | KDS160     |
| D22,23                        | : | 1SS133     |
| ZD10-12                       | : | MTZJ5.1B   |
| ZD19,20                       | : | MTZJ6.8B   |
| ZD21                          | : | MTZJ3.3B   |
| ZD22                          | : | MTZJ2.7B   |
| ZD23                          | : | MTZJ6.2B   |
| ZD101,102                     | : | MTZJ16B    |
| ZD201-204                     | : | MTZJ8.2B   |
| BD101,102                     | : | DBF60C     |

**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

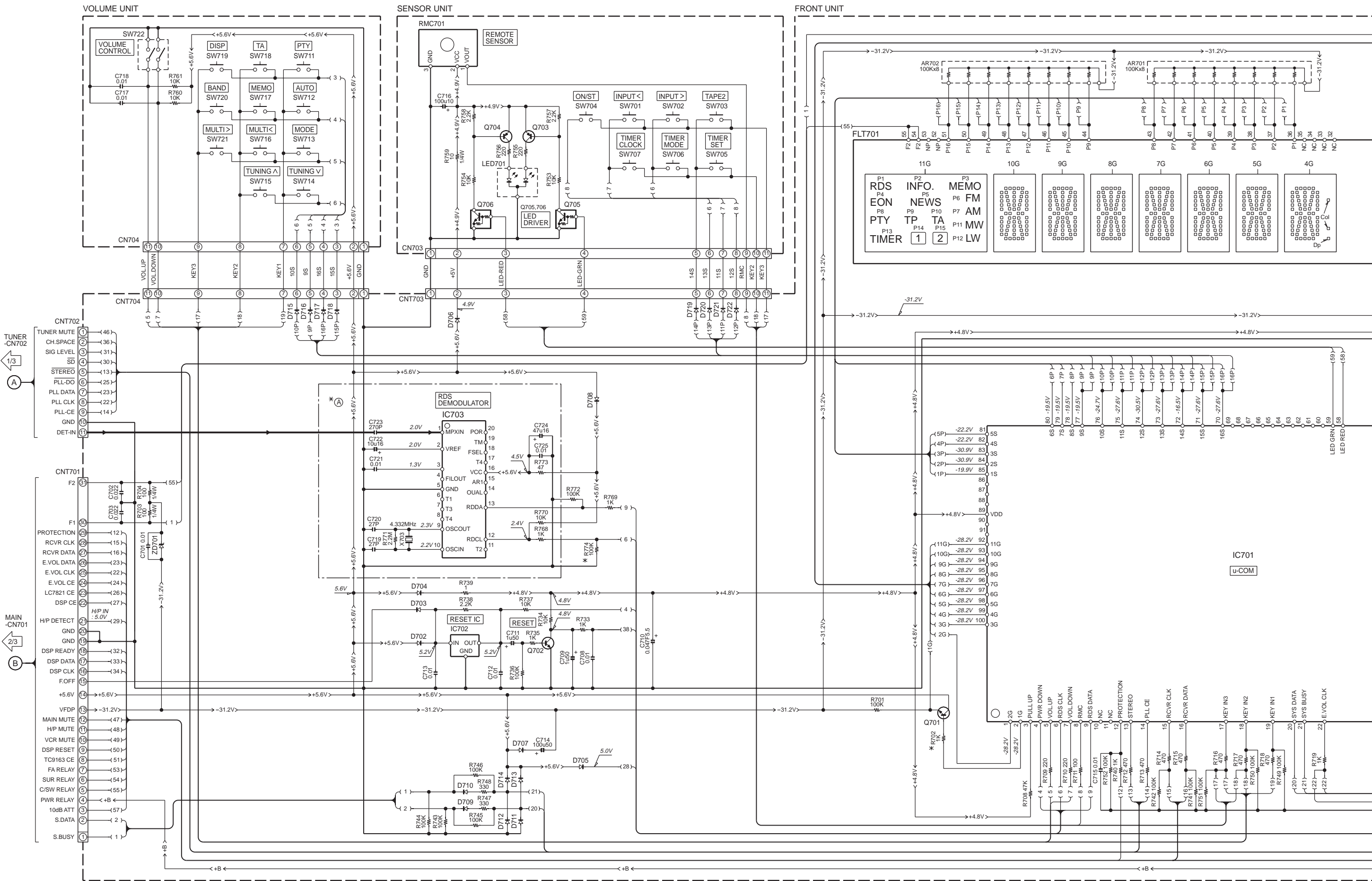
The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.



# R-V251

Y05-4032-70

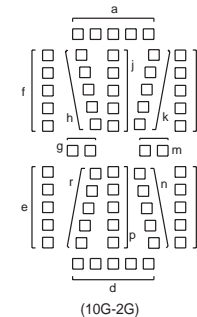
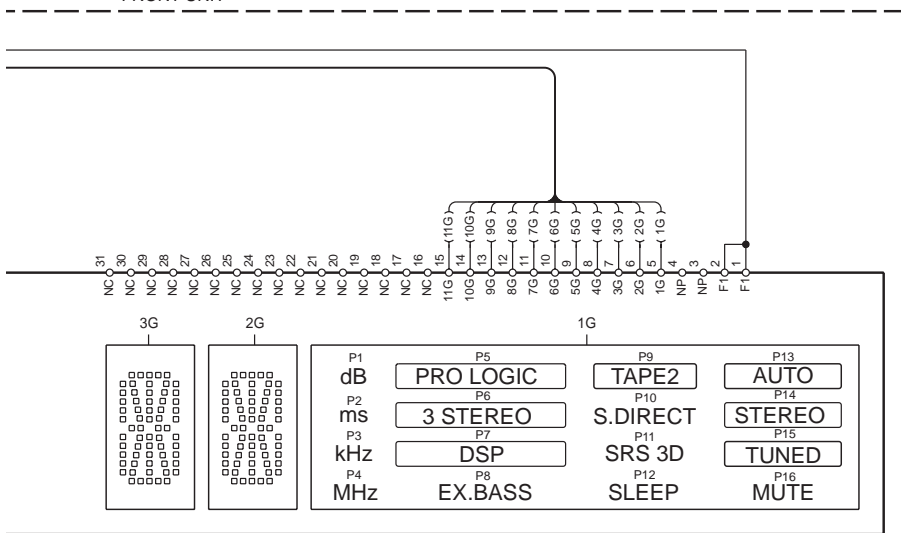
KENWOOD



**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

FRONT UNIT

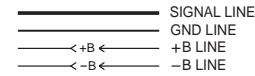
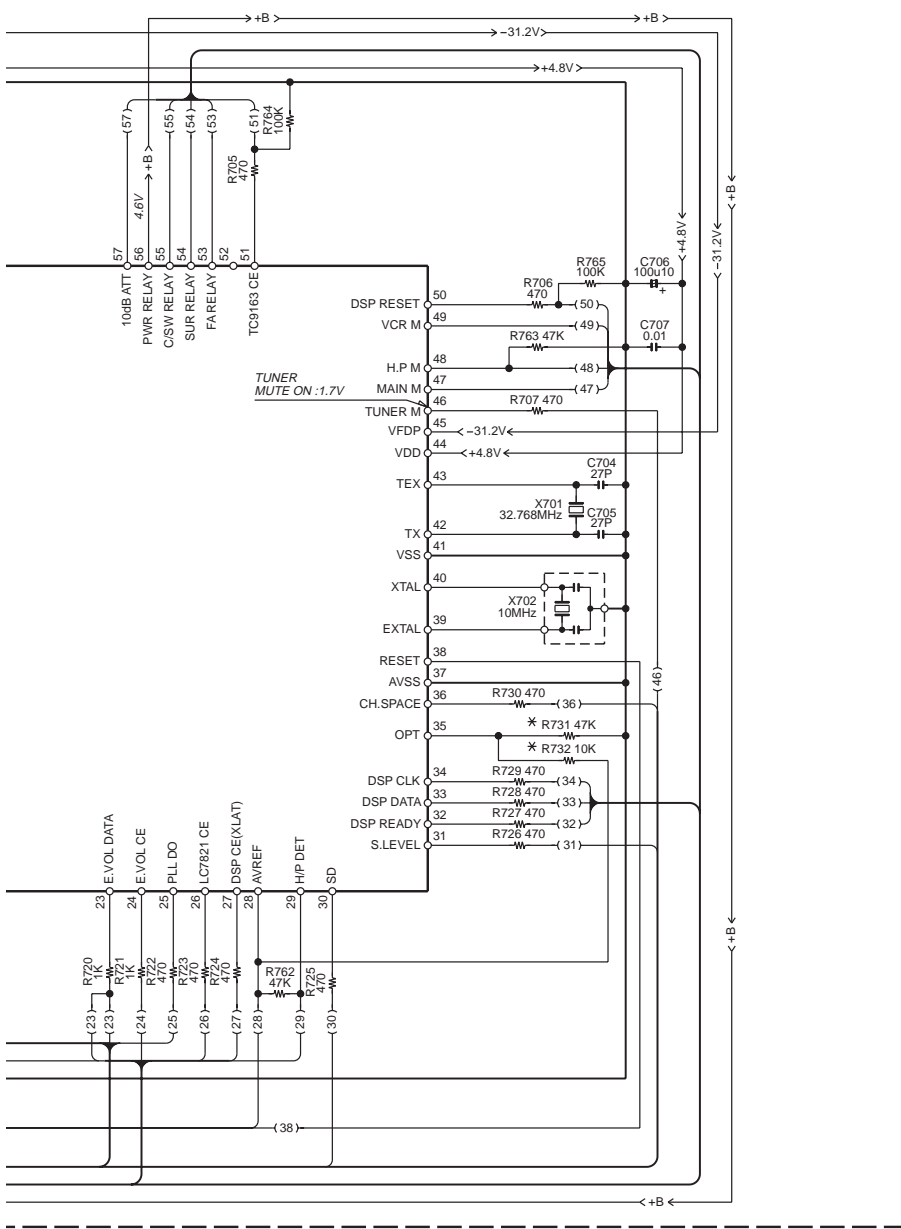


ANODE CONNECTION

	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G
P1	RDS	a	a	a	a	a	a	a	a	a	dB
P2	INFO.	j	j	j	j	j	j	j	j	j	ms
P3	MEMO	h	h	h	h	h	h	h	h	h	kHz
P4	EON	k	k	k	k	k	k	k	k	k	MHz
P5	NEWS	b	b	b	b	b	b	b	b	b	PRO LOGIC
P6	FM	f	f	f	f	f	f	f	f	f	3 STEREO
P7	AM	g	g	g	g	g	g	g	g	g	DSP
P8	PTY	m	m	m	m	m	m	m	m	m	EX.BASS
P9	TP	c	c	c	c	c	c	c	c	c	TAPE2
P10	TA	e	e	e	e	e	e	e	e	e	S.DIRECT
P11	MW	r	r	r	r	r	r	r	r	r	SRS 3D
P12	LW	n	n	n	n	n	n	n	n	n	SLEEP
P13	TIMER	p	p	p	p	p	p	p	p	p	AUTO
P14	1	d	d	d	d	d	d	d	d	d	STEREO
P15	2	-	-	-	-	-	col	-	-	-	TUNED
P16	-	-	-	-	-	-	-	Dp	-	-	MUTE

DESTINATION	COUNTRY	ABB.	R702, 731	R732, 774
EUROPE	E	YES	YES	NO
U.K.	T	YES	YES	NO
AUSTRALIA	X	NO	NO	YES

- IC701 : CXP82852-184Q
- IC702 : KIA7039P
- IC703 : TDA7330B
- Q701,702 : 2SC1740SR
- Q703,704 : 2SA933S
- Q705,706 : DTC114ES
- D702,703,705-707,709, 710,713,714,717-722 : KDS160
- D704,708,711,712,715,716 : 1S5133
- ZD701 : MTZJ6.2B

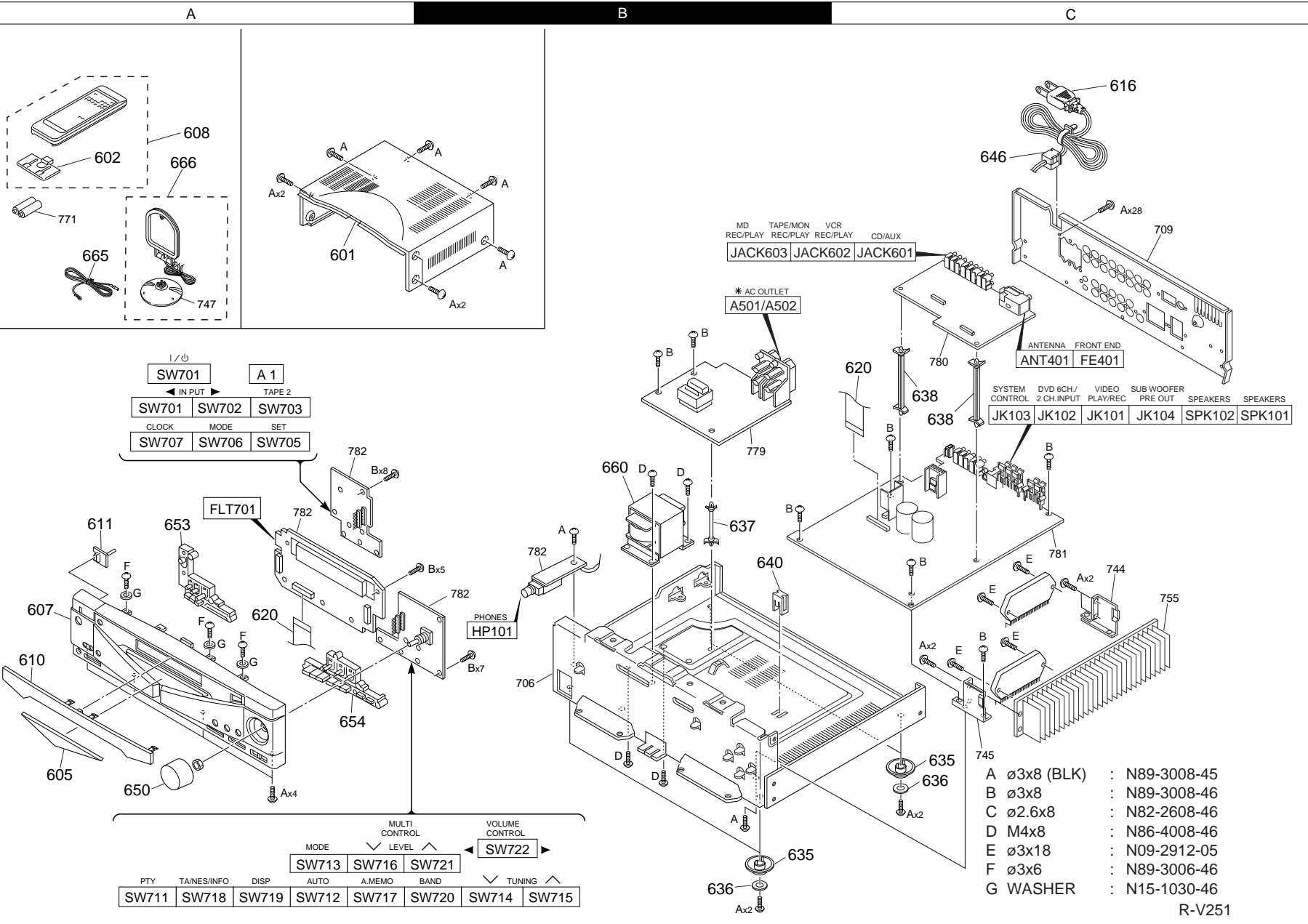


R-V251 (3/3)





## EXPLODED VIEW (UNIT)



Parts with exploded numbers larger than 700 are not supplied.

\* New Parts  
Parts without **Parts No.** are not supplied.  
Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.  
Teile ohne **Parts No.** werden nicht geliefert.

1

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
<b>R-V251</b>						
601	1A	*	A01-3750-08	CABINET	3000020216020	
602	1A	*	A09-0378-08	BATTERY COVER		
605	2A	*	A21-3777-03	PANEL DRESSING	3060021028020	
607	2A	*	A60-1795-08	PANEL	3067210131010	TE
607	2A	*	A60-1796-08	PANEL	3067210131110	X
608	1A		A70-1305-05	REMOCON	8300251000020	X
608	1A		A70-1306-05	REMOCON	8300251000010	TE
610	2A		B10-2367-02	WINDOW	5070210151000	
611	2A		B12-0311-04	INDICATOR	3710210031000	
-	-		B46-0328-03	CARD WARRANTY	5777200070010	E
-	-	*	B60-4409-08	INSTRUCTION MANUAL	(FR/IT)	E
-	-	*	B60-4410-08	INSTRUCTION MANUAL	(GE/NE)	E
-	-	*	B60-4411-08	INSTRUCTION MANUAL	(ES)	E
-	-	*	B60-4412-08	INSTRUCTION MANUAL	(EN)	TX
△	616	1C	E30-2717-05	CORD ASSY	L068040011010	X
△	616	1C	E30-2788-05	CORD ASSY	L068040011010	E
△	616	1C	E30-2791-05	CORD ASSY	L068040011010	T
△	620	2A	* E35-2536-08	CABLE,FLAT	L301291310010	
636	2B,2C	*	G13-2504-08	CUSHION (FOOT)	4050020365010	
-	-	*	H10-7646-08	CUSHION,SNOW	6230210084000	
-	-	*	H25-1665-08	POLY BAG(UNIT)	6337000409030	
-	-	*	H50-3499-08	BOX,GIFT	6007210040010	
635	2B,2C	*	J02-1472-08	FOOT	4000020121010	
637	2B	*	J19-3031-08	SUPPORTER	4070000340000	
638	1C	*	J19-6064-08	SUPPORTER	4300210023000	
640	2B	*	J19-5725-08	SUPPORTER (PCB)	4070001601010	
△	646	1C	* J42-0346-08	STOPPER(AC CORD	4380040162010	
650	2A		K29-6727-04	KNOB (VOLUME)	5087210121010	
653	2A		K29-6816-02	BUTTON (LEFT)	5097210261010	
654	2A		K29-6726-12	BUTTON (RIGHT)	5097210271010	TE
654	2A		K29-6817-12	BUTTON (RIGHT)	5097210271110	X
△	660	1B	* L07-2831-08	POWER TRANS	8200858500210	TE
△	660	1B	* L07-2832-08	POWER TRANS	8200858500220	X
665	1A		T90-0830-08	ANTENNA,WIRE	E605000030000	
666	1A		T90-0804-08	ANTENNA,LOOP	E601000050000	
<b>ELECTRIC PARTS</b>						
FLT701			20U64102SA	DISPLAY,FLT	K530206410010	
LED701		*	B30-2569-08	LED,ROUND	K500032500010	
C04 ,05			CK73FB1H102K	CHIP C	1000PF	K
C06			CE04KW1H4R7M	ELECTRO	4.7UF	50WV
C07			CE04CW1H100M	ELECTRO	10UF	50WV
C08			CE04KW1E101M	ELECTRO	100UF	25WV
C09 -12			CK73FB1H103Z	CHIP C	0.010UF	Z
C13 ,14			CE04KW1J472M	ELECTRO	4700UF	63WV
C15 ,16			CE04KW1V332M	ELECTRO	3300UF	35WV
C17			CE04KW1V222M	ELECTRO	2200UF	35WV
C18			CE04KW1V471M	ELECTRO	470UF	35WV
C19 ,20			CE04KW1E101M	ELECTRO	100UF	25WV
C21			CE04KW1V221M	ELECTRO	220UF	35WV

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia  
Y : PX(Far East,Hawaii) T : England E : Europe G : Germany V : China(Shanghai)  
Z : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas △ indicates safety critical components .

\* New Parts  
Parts without **Parts No.** are not supplied.  
Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.  
Teile ohne **Parts No.** werden nicht geliefert.

2

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C22			CE04KW1H470M	ELECTRO	47UF	50WV
C23			CE04KW1H4R7M	ELECTRO	4.7UF	50WV
C24			CE04KW0J221M	ELECTRO	220UF	6.3WV
C25			CE04KW1A101M	ELECTRO	100UF	10WV
C26 ,27			CE04KW2A100M	ELECTRO	10UF	100WV
C28			CE04KW1C330M	ELECTRO	33UF	16WV
C29 ,30			CK45FB1H392K	CERAMIC	3900PF	K
C31			CE04KW1C220M	ELECTRO	22UF	16WV
C32			CE04CW1H010M	ELECTRO	1.0UF	50WV
C33 ,34			CC73FCH1H470J	CHIP C	47PF	J
C35			CE04CW1H100M	ELECTRO	10UF	50WV
C36 ,37			CC73FCH1H470J	CHIP C	47PF	J
C38			CE04KW1H100M	ELECTRO	10UF	50WV
C39 ,40			CE04KW1A101M	ELECTRO	100UF	10WV
C41 ,42			CC73FCH1H221J	CHIP C	220PF	J
C43			CE04KW1C101M	ELECTRO	100UF	16WV
C44			CC73FCH1H101J	CHIP C	100PF	J
C45 ,46			CK73FB1H103Z	CHIP C	0.010UF	Z
C47 ,48			CE04KW1H100M	ELECTRO	10UF	50WV
C49			CE04CW1H010M	ELECTRO	1.0UF	50WV
C50			CC45FCH1H221J	CERAMIC	220PF	J
C51			CQ93FMG1H184J	MYLAR	0.18UF	J
C52			CE04CW1H010M	ELECTRO	1.0UF	50WV
C53			CC73FCH1H101J	CHIP C	100PF	J
C54			CK73FB1H103Z	CHIP C	0.010UF	Z
C55			CC73FCH1H101J	CHIP C	100PF	J
C56			CE04KW1H470M	ELECTRO	47UF	50WV
C58 ,59			CK45FB1H392K	CERAMIC	3900PF	K
C61 ,62			CE04KW0J471M	ELECTRO	470UF	6.3WV
C63			CK73FB1H102K	CHIP C	1000PF	K
C64			CC73FCH1H101J	CHIP C	100PF	J
C65			CK73FB1H102K	CHIP C	1000PF	K
C66			CC73FCH1H101J	CHIP C	100PF	J
C67			CK73FB1H102K	CHIP C	1000PF	K
C68			CC73FCH1H101J	CHIP C	100PF	J
C73 ,74			CE04KW1H3R3M	ELECTRO	3.3UF	50WV
C101-104			CE04CW1H100M	ELECTRO	10UF	50WV
C105,106			CC73FCH1H331J	CHIP C	330PF	J
C107,108			CC73FCH1H101J	CHIP C	100PF	J
C109,110			CE04CW1H100M	ELECTRO	10UF	50WV
C111-114			CC73FCH1H331J	CHIP C	330PF	J
C115,116			CK45FB1H102K	CERAMIC	1000PF	K
C117,118			CE04CW1H100M	ELECTRO	10UF	50WV
C119			CC73FCH1H101J	CHIP C	100PF	J
C120			CC73FCH1H470J	CHIP C	47PF	J
C121			CK73FB1H222K	CHIP C	2200PF	K
C122			CK73FB1H102K	CHIP C	1000PF	K
C123			CK73FB1H222K	CHIP C	2200PF	K
C124			CK73FB1H102K	CHIP C	1000PF	K
C125,126			CE04CW1H100M	ELECTRO	10UF	50WV
C127			CE04KW0J221M	ELECTRO	220UF	6.3WV
C128			CK73FB1H104Z	CHIP C	0.10UF	Z
C129			CE04KW0J221M	ELECTRO	220UF	6.3WV
C130			CC73FCH1H220J	CHIP C	22PF	J
C131			CK73FB1H103Z	CHIP C	0.010UF	Z

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia  
Y : PX(Far East,Hawaii) T : England E : Europe G : Germany V : China(Shanghai)  
Z : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas △ indicates safety critical components .

PARTS LIST

R-V251

\* New Parts

Parts without **Parts No.** are not supplied.Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.Teile ohne **Parts No.** werden nicht geliefert.

③

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C132			CC73FCH1H220J	CHIP C	22PF	J
C133			CK73FB1H104Z	CHIP C	0.10UF	Z
C134			CE04KW0J221M	ELECTRO	220UF	6.3WV
C135			CK73FB1H104Z	CHIP C	0.10UF	Z
C137-139			CK73FB1H104Z	CHIP C	0.10UF	Z
C140			CE04KW0J221M	ELECTRO	220UF	6.3WV
C141			CK73FB1H104Z	CHIP C	0.10UF	Z
C147			CQ93FMG1H333J	MYLAR	0.033UF	J
C148-150			CC73FCH1H101J	CHIP C	100PF	J
C151-156			CC45FCH1H221J	CERAMIC	220PF	J
C157,158			CE04KW1H4R7M	ELECTRO	4.7UF	50WV
C159,160			CC73FCH1H101J	CHIP C	100PF	J
C161-166			CE04KW1H4R7M	ELECTRO	4.7UF	50WV
C167,168			CK73FB1H822K	CHIP C	8200PF	K
C169,170			CK73FB1H153K	CHIP C	0.015UF	K
C171,172			CE04KW2AR33M	ELECTRO	0.33UF	100WV
C173,174			CE04KW1C3R3M	ELECTRO	3.3UF	16WV
C175-180			CE04KW1H4R7M	ELECTRO	4.7UF	50WV
C181-185			CK73FB1H102K	CHIP C	1000PF	J
C186			CC73FCH1H471J	CHIP C	470PF	J
C187-191			CE04CW1H010M	ELECTRO	1.0UF	50WV
C193,194			CC73FCH1H101J	CHIP C	100PF	J
C195,196			CE04CW1H100M	ELECTRO	10UF	50WV
C197,198			CE04KW1A101M	ELECTRO	100UF	10WV
C199,200			CC45FSL1H150J	CERAMIC	15PF	J
C201-204			CK45FB1H473Z	CERAMIC	0.047UF	Z
C205-207			CC73FCH1H101J	CHIP C	100PF	J
C208-210			CE04CW1H100M	ELECTRO	10UF	50WV
C211-213			CC45FSL1H150J	CERAMIC	15PF	J
C214-216			CE04KW1A101M	ELECTRO	100UF	10WV
C217-220			CK45FB1H473Z	CERAMIC	0.047UF	Z
C221,222			CK73FB1H102K	CHIP C	1000PF	K
C223-226			CK73FB1H104Z	CHIP C	0.10UF	Z
C227,228			CK73FB1H102K	CHIP C	1000PF	K
C229-232			CK73FB1H104Z	CHIP C	0.10UF	Z
C233			CK73FB1H102K	CHIP C	1000PF	K
C234,235			CK73FB1H104Z	CHIP C	0.10UF	Z
C236-240			CK45FB1H472K	CERAMIC	4700PF	K
C241			CK73FB1H102K	CHIP C	1000PF	K
C243-247			CC73FCH1H101J	CHIP C	100PF	J
C249,250			CC73FCH1H101J	CHIP C	100PF	J
C251			CE04CW1H100M	ELECTRO	10UF	50WV
C293			CK45FB1H102K	CERAMIC	1000PF	K
C295,296			CK73FCH1H471J			
C401			CC45FSL1H020C	CERAMIC	2.0PF	C
C402			CC45FSL1H060D	CERAMIC	6.0PF	D
C403			CK73FB1H473K	CHIP C	0.047UF	K
C404			CC73FCH1H180J	CHIP C	18PF	J
C405			CE04CW1H010M	ELECTRO	1.0UF	50WV
C406			CK73FB1H103Z	CHIP C	0.010UF	Z
C407			CE04KW1E470M	ELECTRO	47UF	25WV
C409			CK73FB1H103Z	CHIP C	0.010UF	Z
C410			CK73FB1H103Z	CHIP C	0.010UF	Z
C412			CC73FCH1H471J	CHIP C	470PF	J
C413			C91-0745-05	CERAMIC	100PF	K
C414			CK73FB1H223K	CHIP C	0.022UF	K

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia

Y : PX(Far East,Hawaii) T : England E : Europe G : Germany V : China(Shanghai)

Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas Δ indicates safety critical components.

\* New Parts

Parts without **Parts No.** are not supplied.Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.Teile ohne **Parts No.** werden nicht geliefert.

④

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C415			CK73FB1H102K	CHIP C	1000PF	K
C416			CC73FCH1H101J	CHIP C	100PF	J
C417,418			CC73FCH1H220J	CHIP C	22PF	J
C419			CC73FCH1H471J	CHIP C	470PF	J
C420			CC73FCH1H470J	CHIP C	47PF	J
C421			GE04CW1H330M	ELECTRO	33UF	50WV
C422			CK73FB1H473K	CHIP C	0.047UF	K
C423			CC73FCH1H220J	CHIP C	22PF	J
C424			CK73FB1H473K	CHIP C	0.047UF	K
C425			CE04KW1H3R3M	ELECTRO	3.3UF	50WV
C426			CE04CW1H100M	ELECTRO	10UF	50WV
C427			CC73FCH1H331J	CHIP C	330PF	J
C428			CC73FCH1H271J	CHIP C	270PF	J
C430			CK73FB1H223K	CHIP C	0.022UF	K
C431			CE04KW1H4R7M	ELECTRO	4.7UF	50WV
C432			CK73FB1H223K	CHIP C	0.022UF	K
C433			CK73FB1H472K	CHIP C	4700PF	K
C434			CK73FB1H223K	CHIP C	0.022UF	K
C435			CK73FB1H472K	CHIP C	4700PF	K
C438,439			CE04CW1H2R2M	ELECTRO	2.2UF	50WV
C440,441			CE04CW1H100M	ELECTRO	10UF	50WV
C446			CE04KW1H4R7M	ELECTRO	4.7UF	50WV
C447			CE04CW1H010M	ELECTRO	1.0UF	50WV
C448			CE04KW1HR47M	ELECTRO	0.47UF	50WV
C449			CE04CW1H010M	ELECTRO	1.0UF	50WV
C450			CC73FCH1H220J	CHIP C	22PF	J
C451			CE04CW1H100M	ELECTRO	10UF	50WV
C452-454			CK73FB1H473K	CHIP C	0.047UF	K
C455			CE04CW1H100M	ELECTRO	10UF	50WV
C456,457			CK73FB1H473K	CHIP C	0.047UF	K
C458			CE04KW1E470M	ELECTRO	47UF	25WV
C460			CE04KW1E470M	ELECTRO	47UF	25WV
C461			CK73FB1H103Z	CHIP C	0.010UF	Z
C469			CE04CW1H100M	ELECTRO	10UF	50WV
C470			CE04CW1H2R2M	ELECTRO	2.2UF	50WV
C471			CE04KW1E470M	ELECTRO	47UF	25WV
C474,475			CQ92FM1H562J	MYLAR	5600PF	J
C551			CE04KW1E471M	ELECTRO	470UF	25WV
C560-563			CK45FB2H103Z	CERAMIC	0.010UF	Z
C569			C90-3862-08	CERAMIC	0.0047UF	250V
C601-616			CC73FCH1H221J	CHIP C	220PF	J
C617			CK73FB1H223K	CHIP C	0.022UF	K
C618			CK45FB1H103Z	CERAMIC	0.010UF	Z
C619			CC73FCH1H101J	CHIP C	100PF	J
C622			CC73FCH1H101J	CHIP C	100PF	J
C623			CK73FB1H223K	CHIP C	0.022UF	K
C624			CE04KW1H220M	ELECTRO	22UF	50WV
C625			CK45FB1H101K	CERAMIC	100PF	K
C629,630			CE04CW1H2R2M	ELECTRO	2.2UF	50WV
C631,632			CC73FCH1H221J	CHIP C	220PF	J
C633,634			CE04KW1H220M	ELECTRO	22UF	50WV
C635,636			CC73FCH1H221J	CHIP C	220PF	J
C637			CK45FB1H101K	CERAMIC	100PF	K
C638			CK45FB1H103Z	CERAMIC	0.010UF	Z
C701			CK73FB1H103K	CHIP C	0.010UF	K

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia

Y : PX(Far East,Hawaii) T : England E : Europe G : Germany V : China(Shanghai)

Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas Δ indicates safety critical components.

\* New Parts  
 Parts without **Parts No.** are not supplied.  
 Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.  
 Teile ohne **Parts No.** werden nicht geliefert.

5

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C702,703 C704,705 C706 C707,708 C709			CQ93FMG1H223J CC73FCH1H270J CE04CW1A101M CK73FB1H103K CE04CW1H010M	MYLAR CHIP C ELECTRO CHIP C ELECTRO	0.022UF 27PF 100UF 0.010UF 1.0UF	J J 10WV K 50WV
C710 C711 C712,713 C714 C715		*	C90-3894-08 CE04CW1H010M CK73FB1H103K CE04KW1H101M CK73FB1H103K	ELECTRO ELECTRO CHIP C ELECTRO CHIP C	0.047F 1.0UF 0.010UF 100UF 0.010UF	5.5WV 50WV K 50WV K
C716 C717,718 C719,720 C721 C722			CE04KW1A101M C91-0769-05 CC73FCH1H270J CK73FB1H103K CE04CW1C100M	ELECTRO CERAMIC CHIP C CHIP C ELECTRO	100UF 0.010UF 27PF 0.010UF 10UF	10WV K J K 16WV
C723 C724 C725			CC73FCH1H271J CE04KW1C470M CK73FB1H103K	CHIP C ELECTRO CHIP C	270PF 47UF 0.010UF	J 16WV K
△ A501,502 △ A501,502 A503 ANT401 CNT601		*	E03-0322-08 E03-0369-08 E03-0334-08 E70-0119-08 E40-8550-08	SOCKET,POWER RE SOCKET,POWER RE SOCKET,POWER RE TER,BOARD PUSH CN.WIRE TRAP2	G435000150000 G435040110000 G435000120020 G593021068010 L141521471210	T E X
CNT701 CNT702 CNT703 CNT704 CN103		*	E40-8551-08 E35-2537-08 E40-8552-08 E40-8552-08 E40-8553-08	CN.FPC 1.25MM WIRE HARNESS PIN ASSY (11P) PIN ASSY (11P) PIN ASSY (8P)	L131520443100 L000351110010 L102421401110 L102421401110 L104353130800	
CN107 CN702 CN703 CN704 HP101		*	E40-8554-08 E40-8555-08 E40-8557-08 E40-8557-08 E11-0908-08	CN.FPC 1.25MM PIN ASSY (11P) PIN ASSY (11P) PIN ASSY (11P) PHONE JACK	L131520453100 L101530141110 L102359681100 L102359681100 G402207800500	
JACK601 JACK602 JACK603 JK101 JK102		*	E63-0186-08 E63-0187-08 E63-0187-08 E63-0152-08 E63-1136-08	TER,RCA 4PIN TER,RCA 6PIN TER,RCA 6PIN TER,RCA 4PIN TER,RCA 6PIN	G602040045000 G603060046020 G603060046020 G603060132020	
JK103 JK104 SPK101 SPK102 W501		*	E11-0188-05 E63-1137-08 E70-0120-08 E21-0034-08 E40-9986-08	JACK,D3.5 TER,RCA 1PIN TER,BOARD PUSH SW,PUSH BLOCK CN.WAFER 7.92MM	G40149600000 G600010055030 G594040100000 G594040100000 L108039602010	
W502 F501,502		*	E40-8556-08 F50-0166-08	CN.WAFER 3.96MM FUSE (5.2X20)	L104353280200 G650252251160	
CF401,402 L101-105 L110 L401 L402		*	L72-0627-08 L39-1387-08 L33-0537-08 L39-1322-08 L33-0537-08	FILTER,CERAMIC COIL,INDUCTOR COIL,FILTER-IND COIL,IF MW COIL,FILTER-IND	E430107000150 D310200000000 D950500500000	
L403 L601 T401 T402 T403		*	L33-0574-08 L33-0574-08 L30-0904-08 L30-0968-08 L30-0969-08	COIL,FILTER-IND COIL,FILTER-IND COIL,IF MW COIL,IF FM COIL,IF FM	D950500200000 D951095000010 D951095100010	

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia  
 Y : PX(Far East,Hawaii) T : England E : Europe G : Germany V : China(Shanghai)  
 Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas △ indicates safety critical components.

\* New Parts  
 Parts without **Parts No.** are not supplied.  
 Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.  
 Teile ohne **Parts No.** werden nicht geliefert.

6

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
T405,406 T405,406 T501 T501 X101			L39-1347-08 L39-1355-08 L07-1983-08 L07-1987-08 L77-2284-08	FILTER,LC MPX FILTER,LC MPX POWER TRANS POWER TRANS CRYSTAL	E401686500100 E401500100000 8200280001000 8200280004000 E800338688050	X TE
X401 X701 X702 X703		*	L77-2285-08 L77-2198-08 L77-2286-08 L77-2287-08	CRYSTAL CRYSTAL CRYSTAL CRYSTAL	E8007R2000070 E800100000050 E8004R3320051	
AR701,702 J426-428 J430 J691 J781-786		*	R90-0998-08 RK73EB2B000J RK73EB2B000J RK73EB2B000J RK73EB2B000J	R.NETWORK A-TYP CHIP R CHIP R CHIP R CHIP R	C180104091500 0.0 J 1/8W 0.0 J 1/8W 0.0 J 1/8W 0.0 J 1/8W	
J787,788 R03_04 R05_06 R08 R09			RK73EB2B000J RK73FB2A513J RK73FB2A273J RK73FB2A472J RK73FB2A513J	CHIP R CHIP R CHIP R CHIP R CHIP R	0.0 J 1/8W 51K J 1/10W 27K J 1/10W 4.7K J 1/10W 51K J 1/10W	TE
R10 R12_13 R18 R19 R20			RK73FB2A273J RK73FB2A472J RN14BK2E4R70F RN14BK2E472F RK73FB2A102J	CHIP R CHIP R RN RN CHIP R	27K J 1/10W 4.7K J 1/10W 4.70 F 1/4W 4.7K F 1/4W 1.0K J 1/10W	
R21 R22 R23 R24 R25			RK73FB2A472J RK73FB2A103J RK73FB2A472J RK73FB2A103J RK73FB2A472J	CHIP R CHIP R CHIP R CHIP R CHIP R	4.7K J 1/10W 10K J 1/10W 4.7K J 1/10W 10K J 1/10W 4.7K J 1/10W	
R26 R27 R29 R31 R32			RK73FB2A103J RK73FB2A153J RK73FB2A123J RK73FB2A223J RK73FB2A333J	CHIP R CHIP R CHIP R CHIP R CHIP R	10K J 1/10W 15K J 1/10W 12K J 1/10W 22K J 1/10W 33K J 1/10W	
R34 R35 R37 R40 R42			RN14BK2E1002F RK73FB2A333J RK73FB2A103J RK73FB2A473J RN14BK2E1002F	RN CHIP R CHIP R CHIP R RN	10.0K F 1/4W 33K J 1/10W 10K J 1/10W 47K J 1/10W 10.0K F 1/4W	
R44 R45 R46 R47 R48			RK73FB2A473J RN14BK2E10R0F RK73FB2A471J RK73FB2A332J RN14BK2E10R0F	CHIP R RN CHIP R CHIP R RN	47K J 1/10W 10.0 F 1/4W 470 J 1/10W 3.3K J 1/10W 10.0 F 1/4W	
R49 R50 R53 R54 R56			RS14AB3A681J RK73FB2A102J RK73FB2A473J RK73FB2A102J RK73FB2A223J	FL-PROOF RS CHIP R CHIP R CHIP R CHIP R	680 J 1W 1.0K J 1/10W 47K J 1/10W 1.0K J 1/10W 22K J 1/10W	
R58 R59 R60 R61 R62			RK73FB2A750J RK73FB2A332J RN14BK2H75R0F RK73FB2A750J RK73FB2A332J	CHIP R CHIP R RN CHIP R CHIP R	75 J 1/10W 3.3K J 1/10W 75.0 F 1/2W 75 J 1/10W 3.3K J 1/10W	

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia  
 Y : PX(Far East,Hawaii) T : England E : Europe G : Germany V : China(Shanghai)  
 Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas △ indicates safety critical components.

PARTS LIST

R-V251

\* New Parts  
 Parts without **Parts No.** are not supplied.  
 Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.  
 Teile ohne **Parts No.** werden nicht geliefert.



Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R63			RN14BK2H75R0F	RN 75.0 F 1/2W		
R64,65			RS14AB3A391J	FL-PROOF RS 390 J 1W		
R69			RS14AB3D330J	FL-PROOF RS 33 J 2W		
R74,75			RS14AB3A221J	FL-PROOF RS 220 J 1W		
R76			RK73FB2A751J	CHIP R 750 J 1/10W		
R77			RK73FB2A272J	CHIP R 2.7K J 1/10W		
R78,79			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R80-82			RK73FB2A101J	CHIP R 100 J 1/10W		
R83			RK73FB2A010J	CHIP R 1.0 J 1/10W		
R85,86			RK73FB2A473J	CHIP R 47K J 1/10W		
R91-94			RK73FB2A010J	CHIP R 1.0 J 1/10W		
R95,96			RS14AB3D471J	FL-PROOF RS 470 J 2W		
R97,98			RS14AB3D391J	FL-PROOF RS 390 J 2W		
R102			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R103,104			RK73FB2A104J	CHIP R 100K J 1/10W		
R105,106			RK73FB2A105J	CHIP R 1.0M J 1/10W		
R107,108			RK73FB2A333J	CHIP R 33K J 1/10W		
R109,110			RK73FB2A153J	CHIP R 15K J 1/10W		
R111,112			RK73FB2A223J	CHIP R 22K J 1/10W		
R117,118			RK73FB2A103J	CHIP R 10K J 1/10W		
R123,124			RK73FB2A123J	CHIP R 12K J 1/10W		
R125,126			RK73FB2A103J	CHIP R 10K J 1/10W		
R127,128			RK73FB2A104J	CHIP R 100K J 1/10W		
R130			RK73FB2A393J	CHIP R 39K J 1/10W		
R133			RK73FB2A153J	CHIP R 15K J 1/10W		
R134			RK73FB2A471J	CHIP R 470 J 1/10W		
R135			RK73FB2A183J	CHIP R 18K J 1/10W		
R136			RK73FB2A104J	CHIP R 100K J 1/10W		
R137			RK73FB2A224J	CHIP R 220K J 1/10W		
R139,140			RK73FB2A104J	CHIP R 100K J 1/10W		
R142			RK73FB2A122J	CHIP R 1.2K J 1/10W		
R143,144			RK73FB2A562J	CHIP R 5.6K J 1/10W		
R145,146			RK73FB2A822J	CHIP R 8.2K J 1/10W		
R147,148			RK73FB2A104J	CHIP R 100K J 1/10W		
R149,150			RK73FB2A473J	CHIP R 47K J 1/10W		
R163-168			RK73FB2A224J	CHIP R 220K J 1/10W		
R169,170			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R173-175			RK73FB2A471J	CHIP R 470 J 1/10W		
R177-182			RK73FB2A104J	CHIP R 100K J 1/10W		
R185-188			RK73FB2A122J	CHIP R 1.2K J 1/10W		
R189,190			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R192			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R195,196			RK73FB2A272J	CHIP R 2.7K J 1/10W		
R201-205			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R215-217			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R219,220			RK73FB2A104J	CHIP R 100K J 1/10W		
R221,222			RK73FB2A563J	CHIP R 56K J 1/10W		
R230			RS14AB3A392J	FL-PROOF RS 3.9K J 1W		
R231-233			RK73FB2A104J	CHIP R 100K J 1/10W		
R234-236			RK73FB2A563J	CHIP R 56K J 1/10W		
R244			RK73FB2A471J	CHIP R 470 J 1/10W		
R247-249			RS14AB3A392J	FL-PROOF RS 3.9K J 1W		
R251,252		*	R92-1936-08	CEMENT R 0.1 J 5W		
R253,254			RK73FB2A333J	CHIP R 33K J 1/10W		
R255,256			RK73FB2A273J	CHIP R 27K J 1/10W		

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia  
 Y : PX(Far East,Hawaii) T : England E : Europe G : Germany V : China(Shanghai)  
 Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas indicates safety critical components .

PARTS LIST



\* New Parts  
 Parts without **Parts No.** are not supplied.  
 Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.  
 Teile ohne **Parts No.** werden nicht geliefert.

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R259,260			RS14AB3A4R7J	FL-PROOF RS 4.7 J 1W		
R261,262		*	R92-1936-08	CEMENT R 0.1 J 5W		
R263,264			RK73FB2A333J	CHIP R 33K J 1/10W		
R265,266			RK73FB2A273J	CHIP R 27K J 1/10W		
R269,270			RS14AB3A4R7J	FL-PROOF RS 4.7 J 1W		
R271		*	R92-1936-08	CEMENT R 0.1 J 5W		
R272			RK73FB2A333J	CHIP R 33K J 1/10W		
R273			RK73FB2A273J	CHIP R 27K J 1/10W		
R275			RS14AB3A4R7J	FL-PROOF RS 4.7 J 1W		
R276,277			RK73FB2A333J	CHIP R 33K J 1/10W		
R279,280			RK73FB2A333J	CHIP R 33K J 1/10W		
R281-285			RK73FB2A471J	CHIP R 470 J 1/10W		
R287			RK73FB2A473J	CHIP R 47K J 1/10W		
R288			RK73FB2A104J	CHIP R 100K J 1/10W		
R293			RK73FB2A473J	CHIP R 47K J 1/10W		
R295,296			RS14AB3D220J	FL-PROOF RS 22 J 2W		
R401			RK73FB2A103J	CHIP R 10K J 1/10W		
R402			RK73FB2A104J	CHIP R 100K J 1/10W		
R403			RK73FB2A221J	CHIP R 220 J 1/10W		
R404			RK73FB2A563J	CHIP R 56K J 1/10W		
R405			RK73FB2A101J	CHIP R 100 J 1/10W		
R406			RN14BK2E1000F	RN 100.0 F 1/4W		
R407			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R408			RK73FB2A331J	CHIP R 330 J 1/10W		
R409			RK73FB2A101J	CHIP R 100 J 1/10W		
R411			RK73FB2A331J	CHIP R 330 J 1/10W		
R413			RK73FB2A681J	CHIP R 680 J 1/10W		
R414			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R415			RK73FB2A101J	CHIP R 100 J 1/10W		
R416			RK73FB2A562J	CHIP R 5.6K J 1/10W		
R417			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R418			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R419			RN14BK2E4700F	RN 470.0 F 1/4W		
R420			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R421			RK73FB2A333J	CHIP R 33K J 1/10W		
R422			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R424,425			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R427			RK73FB2A103J	CHIP R 10K J 1/10W		
R429			RK73FB2A183J	CHIP R 18K J 1/10W		
R430,431			RK73FB2A392J	CHIP R 3.9K J 1/10W		
R436,437			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R438,439			RK73FB2A104J	CHIP R 100K J 1/10W		
R442			RK73FB2A562J	CHIP R 5.6K J 1/10W		
R444			RS14AB3A151J	FL-PROOF RS 150 J 1W		
R445			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R446			RK73FB2A223J	CHIP R 22K J 1/10W		
R447			RK73FB2A103J	CHIP R 10K J 1/10W		
R448			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R449			RK73FB2A822J	CHIP R 8.2K J 1/10W		
R450			RK73FB2A392J	CHIP R 3.9K J 1/10W		
R451			RK73FB2A302J	CHIP R 3.0K J 1/10W		
R452			RK73FB2A220J	CHIP R 22 J 1/10W		
R453			RK73FB2A101J	CHIP R 100 J 1/10W		
R454,455			RK73FB2A333J	CHIP R 33K J 1/10W		
R460			RK73FB2A272J	CHIP R 2.7K J 1/10W		

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia  
 Y : PX(Far East,Hawaii) T : England E : Europe G : Germany V : China(Shanghai)  
 Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas indicates safety critical components .

\* New Parts  
 Parts without **Parts No.** are not supplied.  
 Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.  
 Teile ohne **Parts No.** werden nicht geliefert.



Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R461			RK73FB2A333J	CHIP R 33K J 1/10W		
R464			RK73FB2A181J	CHIP R 180 J 1/10W		
R465			RK73FB2A103J	CHIP R 10K J 1/10W		
R469,470			RK73FB2A152J	CHIP R 1.5K J 1/10W		
R601,602			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R603,604			RK73FB2A224J	CHIP R 220K J 1/10W		
R605,606			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R607,608			RK73FB2A224J	CHIP R 220K J 1/10W		
R609,610			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R611,612			RK73FB2A224J	CHIP R 220K J 1/10W		
R613,614			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R615,616			RK73FB2A224J	CHIP R 220K J 1/10W		
R617,618			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R619,620			RK73FB2A224J	CHIP R 220K J 1/10W		
R621,622			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R623,624			RK73FB2A224J	CHIP R 220K J 1/10W		
R625,626			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R627,628			RK73FB2A224J	CHIP R 220K J 1/10W		
R629,630			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R631,632			RK73FB2A224J	CHIP R 220K J 1/10W		
R633			RK73FB2A684J	CHIP R 680K J 1/10W		
R634			RK73FB2A103J	CHIP R 10K J 1/10W		
R635			RK73FB2A684J	CHIP R 680K J 1/10W		
R636-638			RK73FB2A224J	CHIP R 220K J 1/10W		
R639,640			RK73FB2A221J	CHIP R 220 J 1/10W		
R641,642			RK73FB2A202J	CHIP R 2.0K J 1/10W		
R643,644			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R645-647			RK73FB2A101J	CHIP R 100 J 1/10W		
R648			RK73FB2A220J	CHIP R 22 J 1/10W		
R705,706			RK73FB2A471J	CHIP R 470 J 1/10W		
R708			RK73FB2A473J	CHIP R 47K J 1/10W		
R709,710			RK73FB2A221J	CHIP R 220 J 1/10W		
R711			RK73FB2A101J	CHIP R 100 J 1/10W		
R713-715			RK73FB2A471J	CHIP R 470 J 1/10W		
R719-721			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R722-724			RK73FB2A471J	CHIP R 470 J 1/10W		
R727-729			RK73FB2A471J	CHIP R 470 J 1/10W		
R731			RK73FB2A473J	CHIP R 47K J 1/10W	TE	
R732			RK73FB2A103J	CHIP R 10K J 1/10W		
R733			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R734			RK73FB2A103J	CHIP R 10K J 1/10W		
R735			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R736			RK73FB2A104J	CHIP R 100K J 1/10W		
R738			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R739			RK73FB2A010J	CHIP R 1.0 J 1/10W		
R740			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R745,746			RK73FB2A104J	CHIP R 100K J 1/10W		
R747,748			RK73FB2A331J	CHIP R 330 J 1/10W		
R749-751			RK73FB2A104J	CHIP R 100K J 1/10W	TE	
R752			RK73FB2A104J	CHIP R 100K J 1/10W		
R760,761			RK73FB2A103J	CHIP R 10K J 1/10W		
R762			RK73FB2A473J	CHIP R 47K J 1/10W		
R768			RK73FB2A102J	CHIP R 1.0K J 1/10W	TE	
R769			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R770			RK73FB2A103J	CHIP R 10K J 1/10W	TE	

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia  
 Y : PX(Far East,Hawaii) T : England E : Europe G : Germany V : China(Shanghai)  
 Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas  $\Delta$  indicates safety critical components .

\* New Parts  
 Parts without **Parts No.** are not supplied.  
 Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.  
 Teile ohne **Parts No.** werden nicht geliefert.



Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R771			RK73FB2A225J	CHIP R 2.2M J 1/10W	TE	
R772			RK73FB2A104J	CHIP R 100K J 1/10W		
R774			RK73FB2A104J	CHIP R 100K J 1/10W	X	
VR401,402		*	R39-0025-08	VR,SEMI CERMET C544103015130		
K01-03		*	S76-0103-08	RELAY G680242000000		
RY550		*	S76-0104-08	RELAY G680000130020		
SW701-707		*	S70-0083-08	SW.TACT G180000210020		
SW711-721		*	S70-0083-08	SW.TACT G180000210020		
SW722		*	S60-0037-08	VR,ROTARY MOTOR C490004106001A		
BD101,102			DBF60C	D.RECTIFIER BRI		
D01-04			1N4004A	D.RECTIFIER 1N K040400400520		
D08-10		*	KDS160	D.SWITCHING CHI K005016000010		
D20		*	KDS160	D.SWITCHING CHI K005016000010		
D22,23			1SS133	D.SWITCHING		
D201-204		*	KDS160	D.SWITCHING CHI K005016000010		
D401		*	KDS160	D.SWITCHING CHI K005016000010		
D402		*	KDS160	D.SWITCHING CHI K005016000010		
D404,405		*	KDS160	D.SWITCHING CHI K005016000010		
D406			1SS133	D.SWITCHING		
D550-553			1N4004A	D.RECTIFIER 1N K040400400520		
D554			1SS133	D.SWITCHING		
D601,602		*	KDS160	D.SWITCHING CHI K005016000010		
D702,703		*	KDS160	D.SWITCHING CHI K005016000010		
D704			1SS133	D.SWITCHING		
D705-707		*	KDS160	D.SWITCHING CHI K005016000010		
D708			1SS133	D.SWITCHING		TE
D709,710		*	KDS160	D.SWITCHING CHI K005016000010		
D711,712			1SS133	D.SWITCHING		
D713,714		*	KDS160	D.SWITCHING CHI K005016000010		
D715,716			1SS133	D.SWITCHING		
D717-722		*	KDS160	D.SWITCHING CHI K005016000010		
IC101			KIA7815P	IC,LINEAR-REGUL		
IC102		*	KIA7915P	IC,LINEAR-REGUL J126791500030		
IC103		*	STK411-210	IC,LINEAR POWER J122411210010		
IC104		*	STK410-010	IC,LINEAR POWER J122410010010		
IC105			CXD2718AQ	IC(DOLBY PROLOGIC)		
IC106		*	KIC9163AN	IC,LOGIC J040916300020		
IC107			M62446FP	IC(ELECTRIC TONE VOLUME)		
IC108			NJM2279D	IC(VIDEO IC)		
IC109		*	KA7805	IC,LINEAR-REGUL J126780500270		
IC110-113			NJM2068MD	IC(OP AMP)OP		
IC401			LA1837	IC(FM/AM SYSTEM IC)		
IC402			LC72131	IC(PLL FREQUENCY SYNTHESIZER)		
IC601,602			LC7821	IC(FUNCTION CONTROL SWITCH)		
IC603		*	NJM2068DD	IC,LINEAR OP		
IC701			CXP82852-184Q	IC J020828521840		
IC702			KIA7039P	IC,LINEAR-RESET J125703900000		
IC703			TDA7330B	IC(RDS DEMODULATOR)		
Q101			2SA916Y	SEMI,TR/GE PNP	TE	
Q110,111			2SA933S	SEMI,TR/GE PNP		
Q113-124			2SC2878	SEMI,TR/GE PNP		
Q151			KTC1027Y	SEMI,TR/GE PNP		
Q201			2SC3205Y	SEMI,TR/GE PNP		
Q202			2SA916Y	SEMI,TR/GE PNP		
Q203			2SC1740SR	SEMI,TR/GE PNP		

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia  
 Y : PX(Far East,Hawaii) T : England E : Europe G : Germany V : China(Shanghai)  
 Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas  $\Delta$  indicates safety critical components .

PARTS LIST

R-V251

\* New Parts

Parts without **Parts No.** are not supplied.Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.Teile ohne **Parts No.** werden nicht geliefert.

11

Ref. No	Address	New Parts	Parts No.	Description	Destination	Remarks
Q204			2SA916Y	SEMI,TR/GE PNP		
Q205,206			2SC1740SR	SEMI,TR/GE NPN		
Q207			2SA992F	SEMI,TR/GE PNP		
Q208-211			2SC1740SR	SEMI,TR/GE NPN		
Q213-215			2SC1845(F)	SEMI,TR/GE NPN		
Q217,218			2SC1845(F)	SEMI,TR/GE NPN		
Q219-221			2SC1740SR	SEMI,TR/GE NPN		
Q401			KTC3880(O)	SEMI,CHIP TR/NP	J5223880O0210	
Q402			DTA114EK	SEMI,CHIP TR/PN		
Q405,406			DTC343TK	SEMI,CHIP TR/NP		
Q407			2SC2412K(S)	SEMI,CHIP TR/NP		
Q408			DTA114EK	SEMI,CHIP TR/PN		
Q409			2SC3194	SEMI,TR/GE NPN		TE
Q550			2SC1740SR	SEMI,TR/GE NPN		
Q701,702			2SC1740SR	SEMI,TR/GE NPN		
Q703,704			2SA933S	SEMI,TR/GE PNP		
Q705,706			DTC114ES	SEMI,BRT/NPN RC		
ZD10-12			MTZJ5.1B	D,ZENER		
ZD19,20			MTZJ6.8B	D,ZENER		
ZD21			MTZJ3.3B	D,ZENER		
ZD22			MTZJ2.7B	D,ZENER		
ZD23			MTZJ6.2B	D,ZENER		
ZD101,102			MTZJ16B	D,ZENER		
ZD201-204			MTZJ8.2B	D,ZENER		
ZD401			MTZJ5.1B	D,ZENER		
ZD402			MTZJ2.7B	D,ZENER		
ZD403			MTZJ8.2B	D,ZENER		
ZD701			MTZJ6.2B	D,ZENER		
FE401		*	W02-2729-08	TUNER,FM	E900401010010	
RMC701		*	W02-2730-08	MODULE,REMOCON	E940128000010	

L : Scandinavia

Y : PX(Far East,Hawaii)

Y : AAFES(Europe)

K : USA

T : England

X : Australia

P : Canada

E : Europe

Q : Russia

R : Mexico

G : Germany

H : Korea

C : China

V : China(Shanghai)

M : Other Areas

I : Malaysia

⚠ indicates safety critical components.

## SPECIFICATIONS(For Europe and U.K.)

### Audio section

Rated output power during STEREO operation (DIN) 1 kHz, 0.7% at 6 Ω .....	70 W + 70 W
Effective output power during SURROUND operation	
FRONT (1kHz, 10% T.H.D. at 6 Ω) .....	70 W + 70 W
CENTER (1kHz, 10% T.H.D. at 6 Ω) .....	70 W
SURROUND (1kHz, 10% T.H.D. at 6 Ω) .....	70 W + 70 W
Rated output power during SURROUND operation	
FRONT (1kHz, 1% T.H.D. at 6 Ω) .....	35 W + 35 W
CENTER (1kHz, 1% T.H.D. at 6 Ω) .....	35 W
SURROUND (1kHz, 1% T.H.D. at 3 Ω) .....	35 W + 35 W
Total harmonic distortion (1 kHz, 35 W, 6 Ω) .....	0.03 %
Frequency response	
LINE (CD) .....	10 Hz ~ 80 kHz, + 0 dB, - 3 dB
Signal to noise ratio (IHF'66)	
LINE (CD) .....	92 dB
Input sensitivity / impedance	
LINE (AUX) .....	200 mV / 47 kΩ
Tone controls	
BASS .....	± 8 dB (at 100 Hz)
TREBLE .....	± 8 dB (at 10 kHz)
Output level / impedance	
TAPE REC .....	200 mV / 2.2 kΩ
SUB WOOFER PRE OUT .....	2 V / 1 kΩ

### Video section

VIDEO inputs / outputs (composite) .....	1 Vp-p / 75 Ω
DVD inputs / outputs (composite) .....	1 Vp-p / 75 Ω

### FM Tuner section

Tuning frequency range .....	87.5 MHz ~ 108 MHz
Usable sensitivity (DIN)	
MONO .....	1.2 μV (at 75 Ω) / 13.2 dBf (40 kHz dev., S/N 26 dB)
STEREO .....	35 μV (at 75 Ω) / 42 dBf (46 kHz dev., S/N 46 dB)
Signal to noise ratio (DIN weighted at 1 kHz, 40 kHz dev.)	
MONO .....	65 dB (65.2 dBf input)
STEREO .....	60 dB (65.2 dBf input)
Selectivity (DIN ± 300 kHz) .....	63 dB
Stereo separation (DIN, 1 kHz) .....	36 dB
Frequency response .....	30 Hz ~ 15 kHz, + 0.5 dB, - 3.0 dB

### AM Tuner section

Tuning frequency range .....	531 kHz ~ 1,602 kHz
Usable sensitivity (30% mod., S/N 20 dB) .....	20 μV / (700 μV / m)
Signal to noise ratio (at 30% mod. 1mV input) .....	48 dB

### General

Power consumption .....	190 W
△ AC outlet	
UNSWITCHED .....	2: (Total 100 W max)
Dimensions W:400 mm	
	H:140 mm
	D:380 mm
Weight (net) .....	8.9 kg



1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
2. Full performance may not be exhibited in extremely cold locations (below 0 deg.C).



# R-V251

## SPECIFICATIONS(For Australia)

### Audio section

Rated output power during STEREO operation  
1 kHz, 10% at 6 Ω ..... 70 W + 70 W

Effective output power during SURROUND operation  
FRONT (1kHz, 10% T.H.D. at 6 Ω) ..... 70 W + 70 W  
CENTER (1kHz, 10% T.H.D. at 6 Ω) ..... 70 W  
SURROUND (1kHz, 10% T.H.D. at 6 Ω) ..... 70 W + 70 W

Rated output power during SURROUND operation  
FRONT (1kHz, 1% T.H.D. at 6 Ω) ..... 35 W + 35 W  
CENTER (1kHz, 1% T.H.D. at 6 Ω) ..... 35 W  
SURROUND (1kHz, 1% T.H.D. at 3 Ω) ..... 35 W + 35 W

Total harmonic distortion (1 kHz, 35 W, 6 Ω)  
..... 0.03 %

Frequency response  
LINE (CD) ..... 10 Hz ~ 80 kHz, + 0 dB, - 3 dB

Signal to noise ratio (IHF'66)  
LINE (CD) ..... 92 dB

Input sensitivity / impedance  
LINE (AUX) ..... 200 mV / 47 kΩ

Tone controls  
BASS ..... ± 8 dB (at 100 Hz)  
TREBLE ..... ± 8 dB (at 10 kHz)

Output level / impedance  
TAPE REC ..... 200 mV / 2.2 kΩ  
SUB WOOFER PRE OUT ..... 2 V / 1 kΩ

### Video section

VIDEO inputs / outputs  
(composite) ..... 1 Vp-p / 75 Ω

DVD inputs / outputs  
(composite) ..... 1 Vp-p / 75 Ω



1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
2. Full performance may not be exhibited in extremely cold locations (below 0 deg.C).

#### Note:

Component and circuit are subject to modification to insure best operation under differing local conditions. This manual is based on Europe (E) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

## KENWOOD CORPORATION

14-6,Dogenzaka 1-chome, Shibuya-ku, Tokyo, 150-8501 Japan

### KENWOOD SERVICE CORPORATION

P.O BOX 22745, 2201 East Dominguez St., Long Beach, CA 90801-5745, U.S.A.

### KENWOOD ELECTRONICS CANADA INC.

6070 Kestrel Road, Mississauga, Ontario, Canada L5T 1S8

### KENWOOD ELECTRONICS LATIN AMERICA S.A.

P.O.BOX 55-2791, Piso 6 plaza Chase, Cl. 47 y Aquilino de la Guardia Panama, Republic de Panama

### KENWOOD ELECTRONICS BRASIL LTDA.

Av. Moema, 170-17", Andar-Cobertura "B", Ed. Maximum Service Center, 04077-020 Moema, São Paulo-SP-Brasil

### KENWOOD ELECTRONICS U.K. LIMITED

KENWOOD House, Dwight Road, Watford, Herts., WD1 8EB., United Kingdom

### KENWOOD ELECTRONICS BELGUM N.V.

Meachelsesteenweg 418, B-1930 Zaventem, Belgium

### KENWOOD ELECTRONICS DEUTSCHLAND GMBH

Rembrücker Str. 15, 63150 Heusenstamm, Germany

### KENWOOD ELECTRONICS FRANCE S.A.

13 Boulevard Ney, 75018 Paris, France

### FM Tuner section

Tuning frequency range ..... 87.5 MHz ~ 108 MHz

Usable sensitivity  
MONO ..... 1.2 μV (at 75 Ω) / 13.2 dBf  
(40 kHz dev., S/N 26 dB)  
STEREO ..... 35 μV (at 75 Ω) / 42 dBf  
(46 kHz dev., S/N 46 dB)

Signal to noise ratio (IHF)  
MONO ..... 73 dB (65 dBf input)  
STEREO ..... 68 dB (65 dBf input)

Selectivity (IHF ± 400 kHz) ..... 50 dB

Stereo separation (IHF, 1 kHz) ..... 40 dB

Frequency response ..... 30 Hz ~ 15 kHz, + 0.5 dB, - 3.0 dB

### AM Tuner section

Tuning frequency range ..... 531 kHz ~ 1,602 kHz

Usable sensitivity  
(30% mod., S/N 20 dB) ..... 20 μV / (700 μV / m)

Signal to noise ratio  
(at 30% mod. 1mV input) ..... 48 dB

### General

Power consumption ..... 190 W

△ AC outlet  
UNSWITCHED ..... 2: (Total 100 W max)

Dimensions W:400 mm  
H:140 mm  
D:380 mm

Weight (net) ..... 8.9 kg

### KENWOOD ELECTRONICS ITALIA S.p.A.

Via G. Sirtori, 7/9 20129, Milano, Italy

### KENWOOD IBÉRICA S.A.

Bolivia, 239-08020 Barcelona, Spain

### KENWOOD ELECTRONICS AUSTRALIA PTY. LTD.

(A.C.N. 001499 074)

P.O Box 504, 8 Figtree Drive, Australia Centre, Homebush, N.S.W. 2140, Australia

### KENWOOD ELECTRONICS (HONG KONG) LTD.

Unit 3712-3724, Level 37, Tower 1, Metroplaza, 223 Hing Fong Road, Kwai Fong N.T., Hong Kong

### KENWOOD ELECTRONICS GULF FZE

P.O.Box 61318, Jebel Ali, Dubai, U.A.E.

### KENWOOD ELECTRONICS SINGAPORE PTE LTD.

No. 1 Genting Lane #02-02, KENWOOD Building, Singapore, 349544

### KENWOOD ELECTRONICS (MALAYSIA) SDN BHD.

#4.01 Level 4, Wisma Academy Lot 4A, Jalan 19/1 46300 Petaling Jaya Selangor Darul Ehsan Malaysia

### KENWOOD ELECTRONICS (THAILAND) CO., LTD.

2019 New Pechburi Road, Bangkapi, Huaykwang, Bangkok, 10320 Thailand