

**Service  
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**VR750/02,07,16,58  
VR752/07,16,58**

# Service Manual

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## Survey of versions:

/02	PAL B/G
/07	PAL I, UK/IRELAND
/16	PAL B/G, Spain
/39	PAL/SECAM-BG+PAL/SECAM-L/L',FRANCE
/58	PAL-BG/DK+SECAM-BG/DK,EAST-EURO

**For technical data reference is made to the Service Manual of VR550/02/07/16  
3103 785 22260. The present manual states only the differences.**

Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified be used.

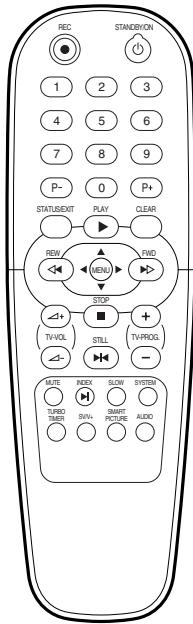


# OPERATING CONTROLS AND FUNCTIONS

[ VR750/ (02, 16), VR752/16 ]

## The remote control

### Buttons for VCR feature only



- REC** ● To record the TV channel selected at this moment.
- STANDBY/ON** ○ To switch off or on, interrupt menu function.
- 0..9** Press to select channels at VCR.
- P+ P-** To select the programme number. During normal or slow motion playback, press to adjust the tracking.
- STATUS/EXIT** To access or remove the VCR's on-screen status display. To exit on-screen menus.
- CLEAR** To delete last entry. To clear a programmed recording (TIMER). To reset the elapsed time counter in the playback, recording or stop mode.
- STILL** ▶◀ To stop the tape and play back a picture step by step. (except for during fast forwarding and fast rewinding)
- INDEX** ▶ In combination with ▲▼: to search for previous or next recording on the cassette.
- SLOW** To view the picture in slow motion.
- AUDIO** To change stereo sound and 2nd language.
- SMART PICTURE** To change the picture setting.
- SV/V+** To set a TIMER programming with the SHOWVIEW system.
- TURBO TIMER** To programme a recording with the function TURBO TIMER.
- SYSTEM** Doesn't work on this model.
- MENU** To call up main menu of VCR.
- FWD** ▶▶- ▶ When tape playback is stopped, press to fast forward the tape at high speed. During playback, press to fast forward the tape while the picture stays on the screen. To store or confirm entry in the menu.
- REW** ▶◀- ▶ When tape playback is stopped, press to rewind the tape at high speed. During playback, press to rewind the tape while the picture stays on the screen. To return the cursor in the menu.
- PLAY** ▶- ▲ To play back a tape, select an item in the menu of VCR.
- STOP** ■- ▼ To stop the tape, select an item in the menu of VCR.

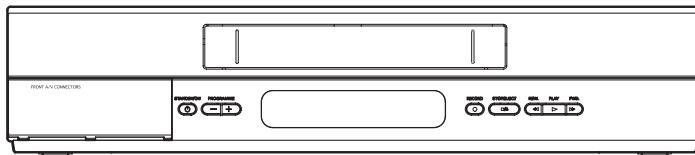
### Buttons with TV feature

- MUTE** To eliminate the TV's sound. Press again to restore the volume.
- TV-VOL □+** **TV-VOL □-** To adjust the TV's volume.
- TV-PROG.+** **TV-PROG.-** To select a programme number on the TV.

You can use this remote control to operate some functions of Philips TVs.

## Front of your VCR

---



**STANDBY/ON** To switch off or on, interrupt menu function.

**PROGRAMME+** **PROGRAMME-** To select the programme number. During normal or slow motion playback, press to adjust the tracking.

**RECORD** To record the TV channel selected at this moment.

**FWD.** When tape playback is stopped, press to fast forward the tape at high speed. During playback, press to fast forward the tape while the picture stays on the screen.

**REW.** When tape playback is stopped, press to rewind the tape at high speed. During playback, press to rewind the tape while the picture stays on the screen.

**PLAY** To play back a tape.

**STOP/EJECT** To stop the tape and eject the cassette.

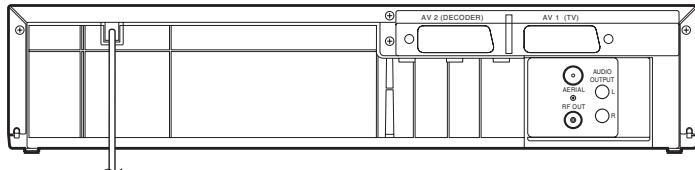
### **FRONT A/V CONNECTORS**

White and red socket Audio input socket left/right: To connect a camcorder or a video recorder.

Yellow socket Video input socket: To connect a camcorder or a video recorder.

## Back of your VCR

---



**AUDIO OUTPUT L R** To connect an audio Hi-Fi amplifier.

**AV2(DECODER)** To connect a satellite receiver, decoder, video recorder, etc.

**AV1(TV)** To connect the TV.

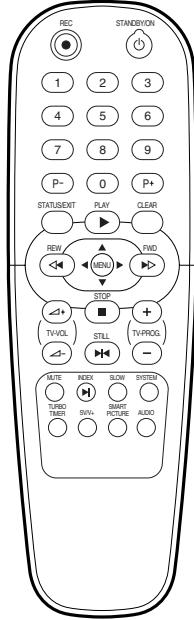
**AERIAL** To connect the aerial cable.

**RF OUT** To connect the TV.

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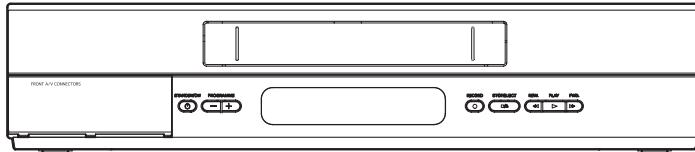
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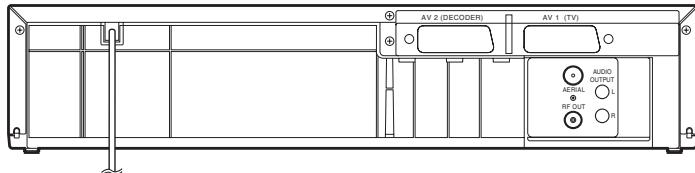
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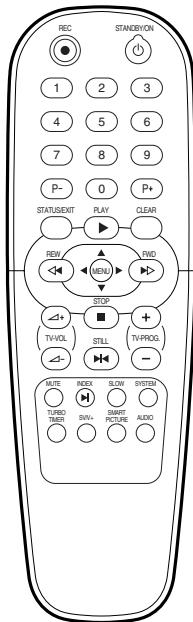
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**SVN+** To set a TIMER programming with the ShowVIEW system.

**TURBO TIMER** To programme a recording with the function TURBO TIMER.

**SYSTEM** To change the Video (Colour) System.

**MENU** To call up main menu of VCR.

**FWD ▶▶- ▶** When tape playback is stopped, press to fast forward the tape at high speed. During playback, press to fast forward the tape while the picture stays on the screen. To store or confirm entry in the menu.

**REW ▶◀- ▶◀** When tape playback is stopped, press to rewind the tape at high speed. During playback, press to rewind the tape while the picture stays on the screen. To return the cursor in the menu.

**PLAY ▶- ▲** To play back a tape, select an item in the menu of VCR.

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### Buttons with TV feature

**MUTE** To eliminate the TV's sound. Press again to restore the volume.

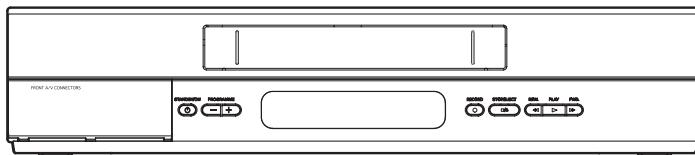
**TV-VOL ▾+ ▾-** To adjust the TV's volume.

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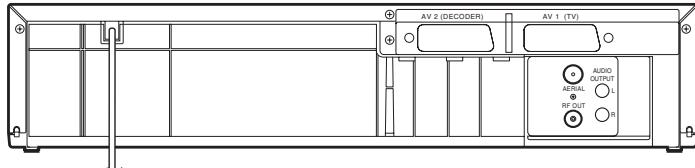
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**AERIAL** To connect the aerial cable.

**RF OUT** To connect the TV.

# SIGNAL NAME ABBREVIATIONS

[ VR750/ (02, 07, 16, 58), VR752/ (07, 16, 58) ]

Signal Name	Function
16P	SCART 16Pin Control Signal
8POUT-1	SCART 1 8Pin Output Control Signal
8POUT-2	SCART 2 8Pin Output Control Signal
A-COM	Audio Head Common
A-IN	Audio Signal Input
A-MODE	Hi-Fi Tape Detection Signal
A-MUTE-H	Audio Mute Control Signal (Mute = "H")
A-OUT	Audio Signal Output
A-PB/REC	Normal Audio Play Back/Record Signal
AE-H	Audio Erase Head
AFC	Automatic Frequency Control Signal
AGC	IF AGC Comparator Signal
AL+12V	Always +12V with AC Plug Connected
AL+12V/+20.5V	Always +12V/+20.5V with AC Plug Connected
AL+15V	Always +15V with AC Plug Connected
AL+44V	Always +9V with AC Plug Connected
AL+5V	Always +5V with AC Plug Connected
AL+9V	Always +9V with AC Plug Connected
AMPC	CTL AMP Connected Terminal
AMPVcc	AMPVcc
AMPVREF IN	V-Ref for CTL AMP
AMPVREF OUT	V-Ref for CTL AMP
AVcc	A/D Converter Power Input/ Standard Voltage Input
C-CONT	Capstan Motor Control Signal
C-F/R	Capstan Motor FWD/REV Control Signal (FWD="L"/ REV="H")
C-FG	Capstan Motor Rotation Detection Pulse
C-POW-SW	Capstan Power Switching Pulse

Signal Name	Function
C-ROTA	Color Phase Rotary Changeover Signal
C-SYNC	Composite Synchronized Pulse
CLKSEL	Clock Select (GND)
COLOR-IN	SECAM or MESECAM Chroma Video Input Signal at Super Impose
CTL (+)	Playback/Record Control Signal (+)
CTL (-)	Playback/Record Control Signal (-)
CTLAMP out	To Monitor for CTL AMP Output
D-CONT	Drum Motor Control Signal
D-PFG	Drum Motor Pulse Generator
D-REC-H	Delayed Record Signal
D-V-SYNC	Dummy V-sync Output
DAVN-L	VPS/PDC Data Receive = "L"
DRV-CLK	LED Clock Driver IC Control Clock
DRV-DATA	LED Clock Driver IC Control Data
DRV-STB	LED Clock Driver IC Chip Select Signal
END-S	Tape End Position Detect Signal
FE-H	Full Erase Head
FF/REW-L	CTL Frequency Characteristics Switching Signal (FF/REW="L")
FSC-IN [4.43MHz]	4.43MHz Clock Input
FTV-IN	Comparator Input of Video Signal for Follow TV
H-A-COMP	Head Amp Comparator Signal
H-A-SW	Video Head Amp Switching Pulse
Hi-Fi-A	Hi-Fi Audio Head
Hi-Fi-COM	Hi-Fi Audio Head Common
Hi-Fi-H-SW	Hi-Fi Audio Head Switching Pulse
HLF	LPF Connected Terminal (Slicer)
IIC-BUS SCL	I <sup>2</sup> C BUS Control Clock
IIC-BUS SDA	I <sup>2</sup> C BUS Control Data
JK1-8P-OUT	SCART 8Pin Output Control Signal

<b>Signal Name</b>	<b>Function</b>
KEY-1	Key Scan Input Signal 1
KEY-2	Key Scan Input Signal 2
LD-SW	Deck Mode Position Detector Signal
LINE-MUTE	Audio Mute Control Signal
LM-FWD/REV	Loading Motor Control Signal
LP	LP
MOD-A	Modulator Audio Output Signal
N-A-PB	Normal Audio Playback
N-A-REC	Normal Audio Recording
OSCin	Clock Input for letter size
OSCout	Clock Output for letter size
OSD-V-IN	OSD Video Signal Input
OSD-V-OUT	OSD Video Signal Output
OSDVcc	OSDVcc
OSDVss	OSDVss
P-DOWN-L	Power Voltage Down Detector Signal
P-ON+15V	+15V at Power-On Signal
P-ON+44V	+44V at Power-On Signal
P-ON+5V	+5V at Power-On Signal
P-ON-H	Power On Signal at High
P80/C	P80/C Terminal
PG-DELAY	Video Head Switching Pulse Signal Adjusted Voltage
POW-SAF	P-ON Power Detection Input Signal
REC-SAF-SW	Recording Safety SW Detect (With Record tab="L"/With out Record tab="H")
REMOCON-IN	Remote Control Sensor
RESET	System Reset Signal (Reset="L")
RESET+5V	+5V at System Reset Signal
RF-SW	Video Head Switching Pulse
RGB-THROUGH	SCART 2 RGB Through Control Signal
S-REEL	Supply Reel Rotation Signal
SC2-IN	Input Signal from Pin 8 of SCART2
SECAM-H	SECAM Mode at High
SIF	Tuner Audio Intermediate Frequency Signal
ST-S	Tape Start Position Detector Signal
T-REEL	Take Up Reel Rotation Signal

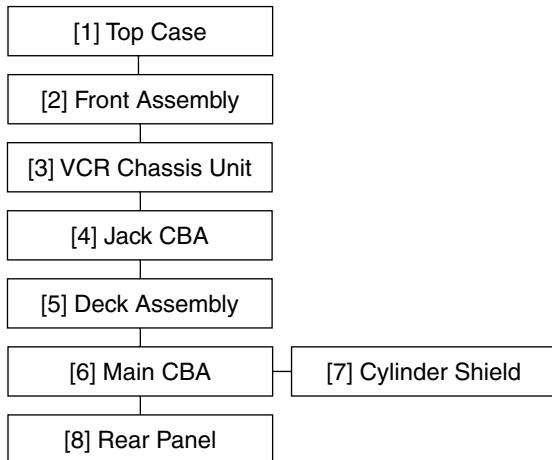
<b>Signal Name</b>	<b>Function</b>
TIMER+5V	+5V at Timer
TU-AUDIO	Tuner Audio Input Signal
TU-VIDEO	Tuner Video Input Signal
V(L)	Video L Head
V(R)	Video R Head
V-COM	Video Head Common
V-ENV	Video Envelope Comparator Signal
V-IN	Video Signal Input
V-OUT	Video Signal Output
Vcc	Vcc
VIDEO	Video Signal
Vss	Vss(GND)
X-IN	Main Clock Input
X-OUT	Main Clock Input
XC-IN	Sub Clock
XC-OUT	Sub Clock

# CABINET DISASSEMBLY INSTRUCTIONS

[ VR750/ (02, 07, 16, 58), VR752/ (07, 16, 58) ]

## 1. Disassembly Flowchart

This flowchart indicates the disassembly steps to gain access to item(s) to be serviced. When reassembling, follow the steps in reverse order. Bend, route, and dress the cables as they were originally.



## 2. Disassembly Method

ID/ LOC. No.	PART	REMOVAL		
		Fig. No.	REMOVE/*UNHOOK/ UNLOCK/RELEASE/ UNPLUG/DESOLDER	Note
[1]	Top Case	D1	7(S-1)	-
[2]	Front Assembly	D2	*3(L-1), *4(L-2)	-
[3]	VCR Chassis Unit	D3	5(S-2), 3(S-3), (S-4), *2(L-3)	1
[4]	Jack CBA	D4	Desolder, (S-5)	-
[5]	Deck Assembly	D5, D6	2(S-6), Desolder	2,3
[6]	Main CBA	D5	(L-4)	-
[7]	Cylinder Shield	D5	(S-7)	-
[8]	Rear Panel	D5	-----	-

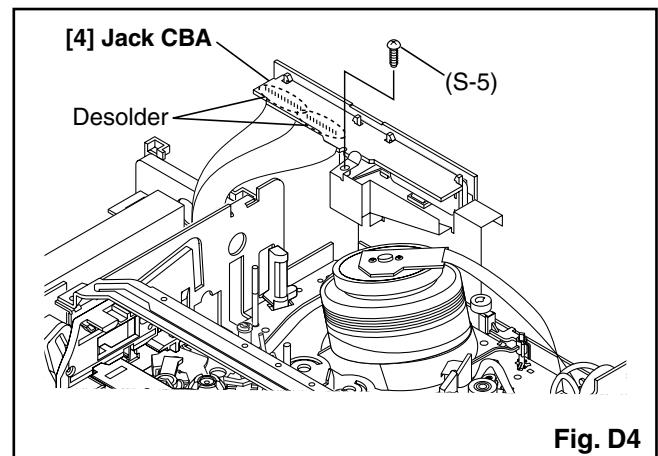
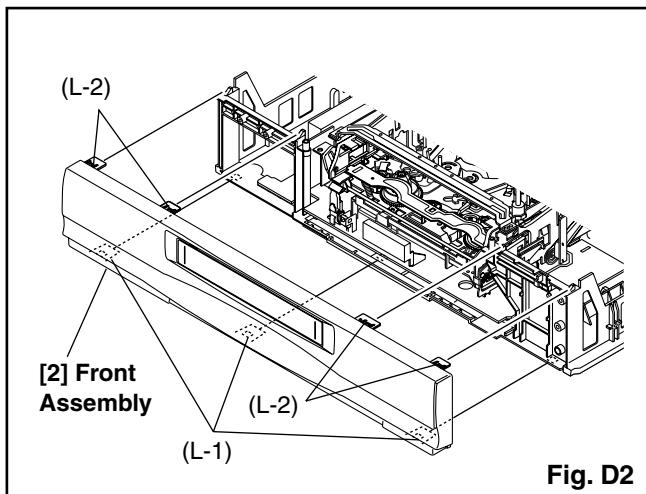
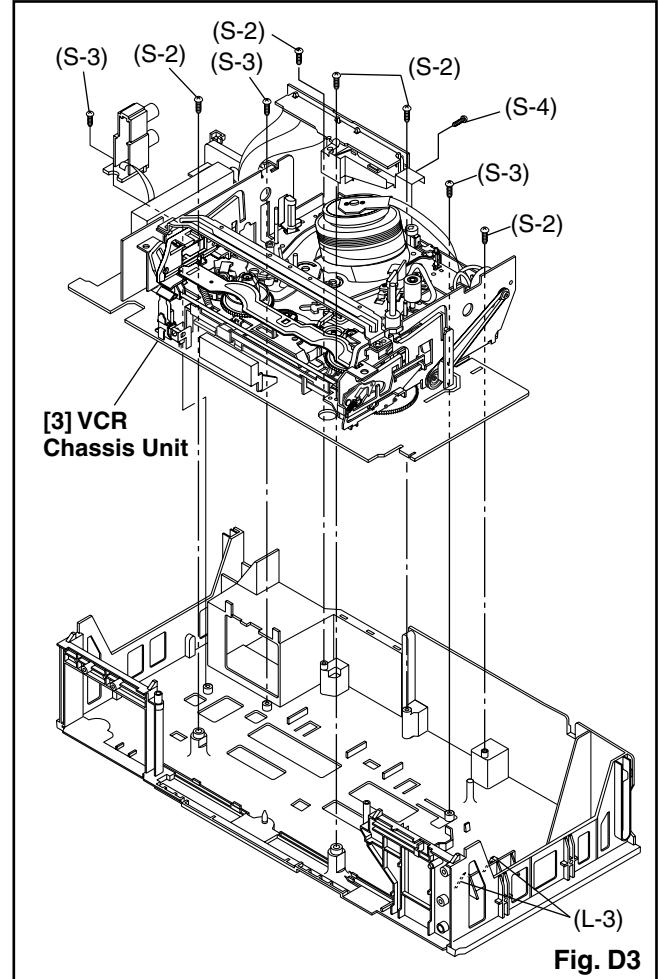
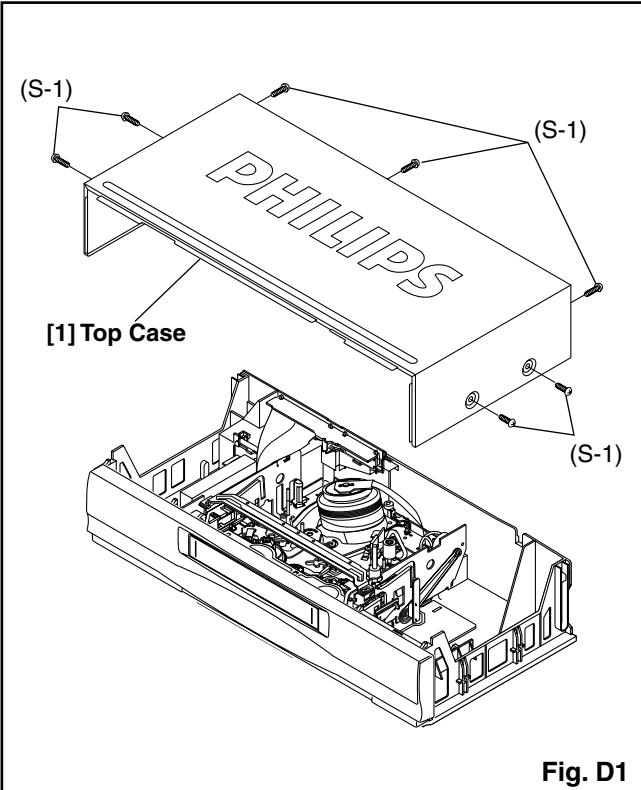
↓      ↓      ↓      ↓      ↓  
(1)    (2)    (3)    (4)    (5)

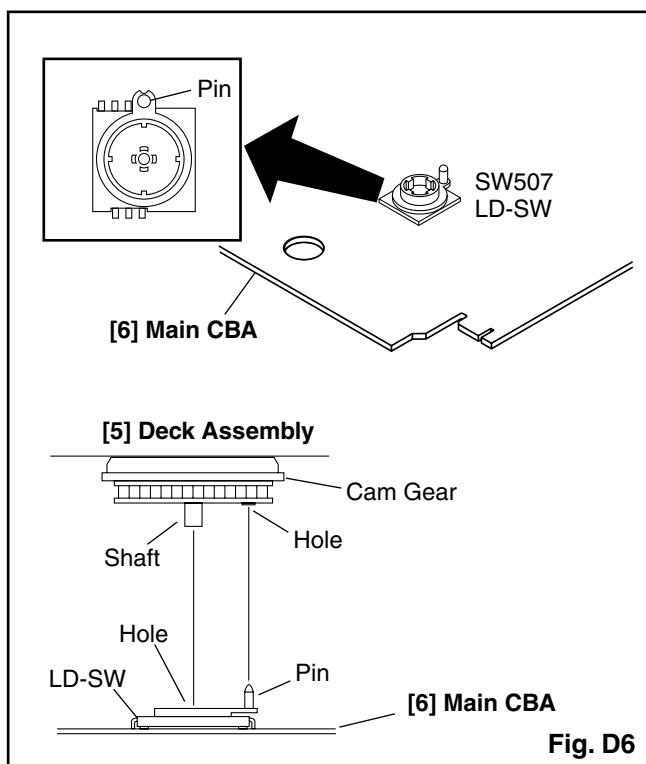
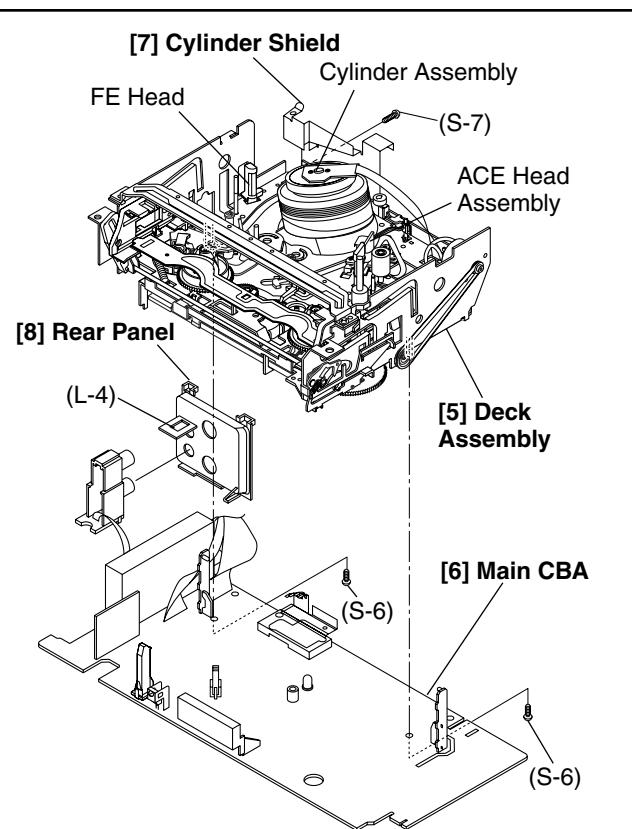
- (1): Identification (location) No. of parts in the figures
- (2): Name of the part
- (3): Figure Number for reference
- (4): Identification of parts to be removed, unhooked, unlocked, released, unplugged, unclamped, or desoldered.  
P=Spring, L=Locking Tab, S=Screw,  
CN=Connector  
\*=Unhook, Unlock, Release, Unplug, or Desolder  
e.g. 2(S-2) = two Screws (S-2),  
2(L-2) = two Locking Tabs (L-2)
- (5): Refer to "Reference Notes."

## Reference Notes

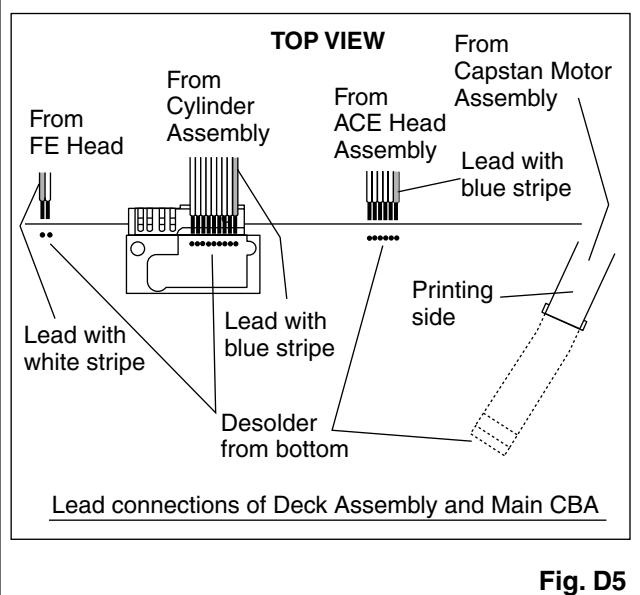
CAUTION: Locking Tabs (L-1) and (L-2) are fragile. Be careful not to break them.

1. Remove five Screws (S-2), three Screws (S-3) and Screw (S-4). Then, slowly lift the VCR Chassis Unit (Deck Assembly, Jack CBA and Main CBA) up while releasing two Locking Tabs (L-3).
2. When reassembling, solder wire jumpers as shown in Fig. D5.
3. Before installing the Deck Assembly, be sure to place the pin of LD-SW on Main CBA as shown in Fig. D6. Then, install the Deck Assembly while aligning the hole of Cam Gear with the pin of LD-SW, the shaft of Cam Gear with the hole of LD-SW as shown in Fig. D6.





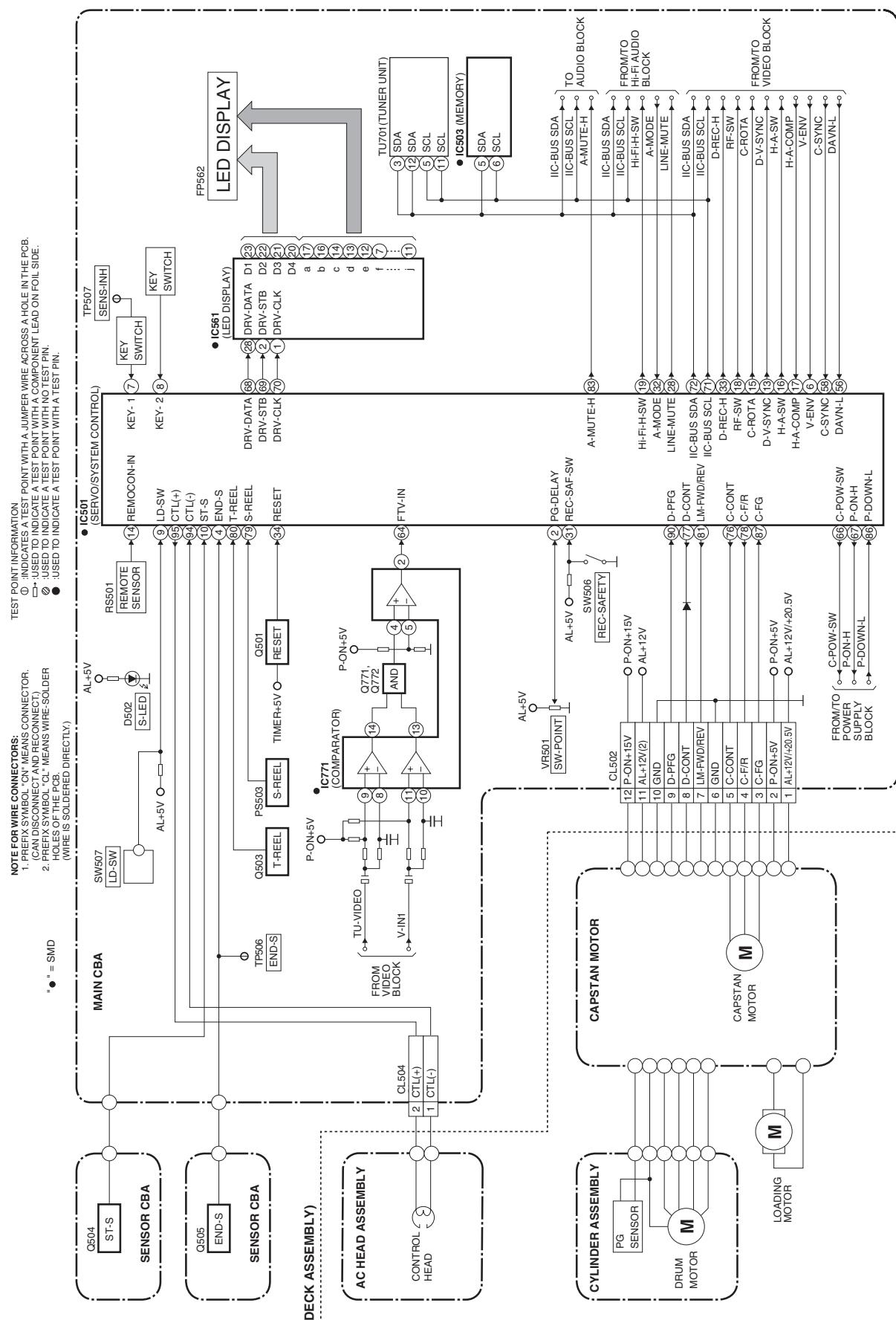
**Fig. D6**



**Fig. D5**

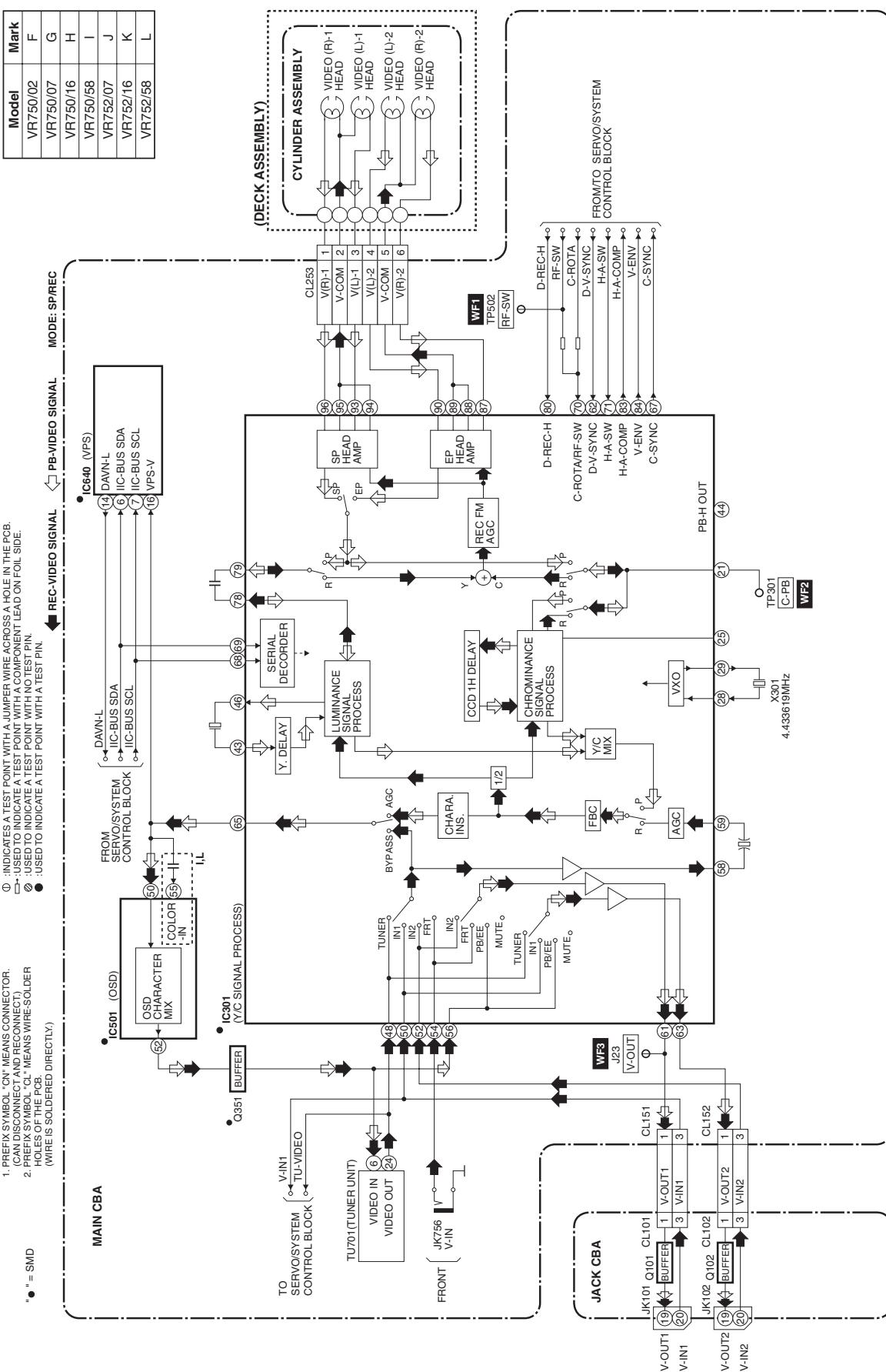
[ VR750/ (02, 07, 16, 58), VR752/ (07, 16, 58) ]  
**BLOCK DIAGRAMS**

**Servo/System Control Block Diagram**

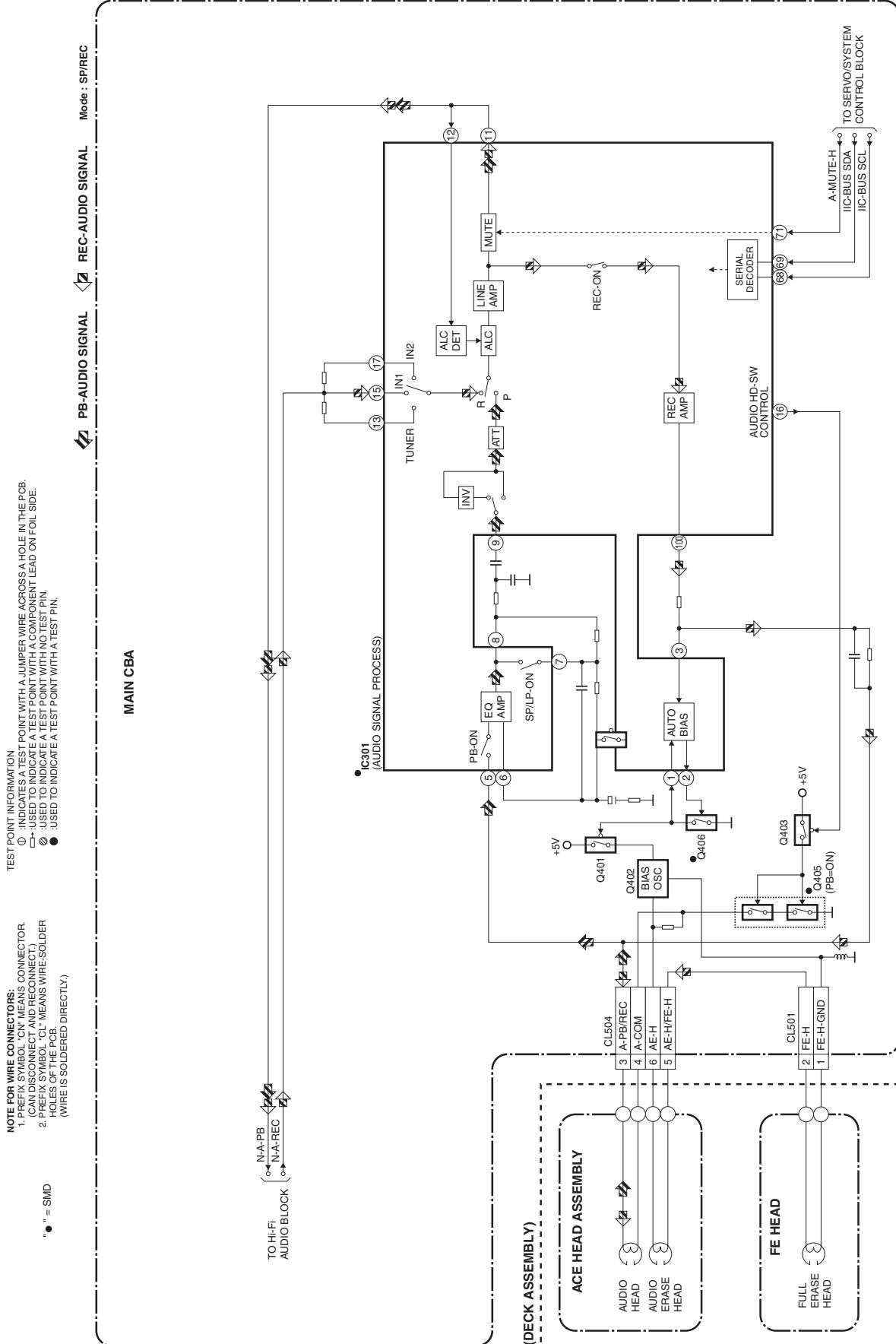


# Video Block Diagram

Comparison Chart of Models & Marks



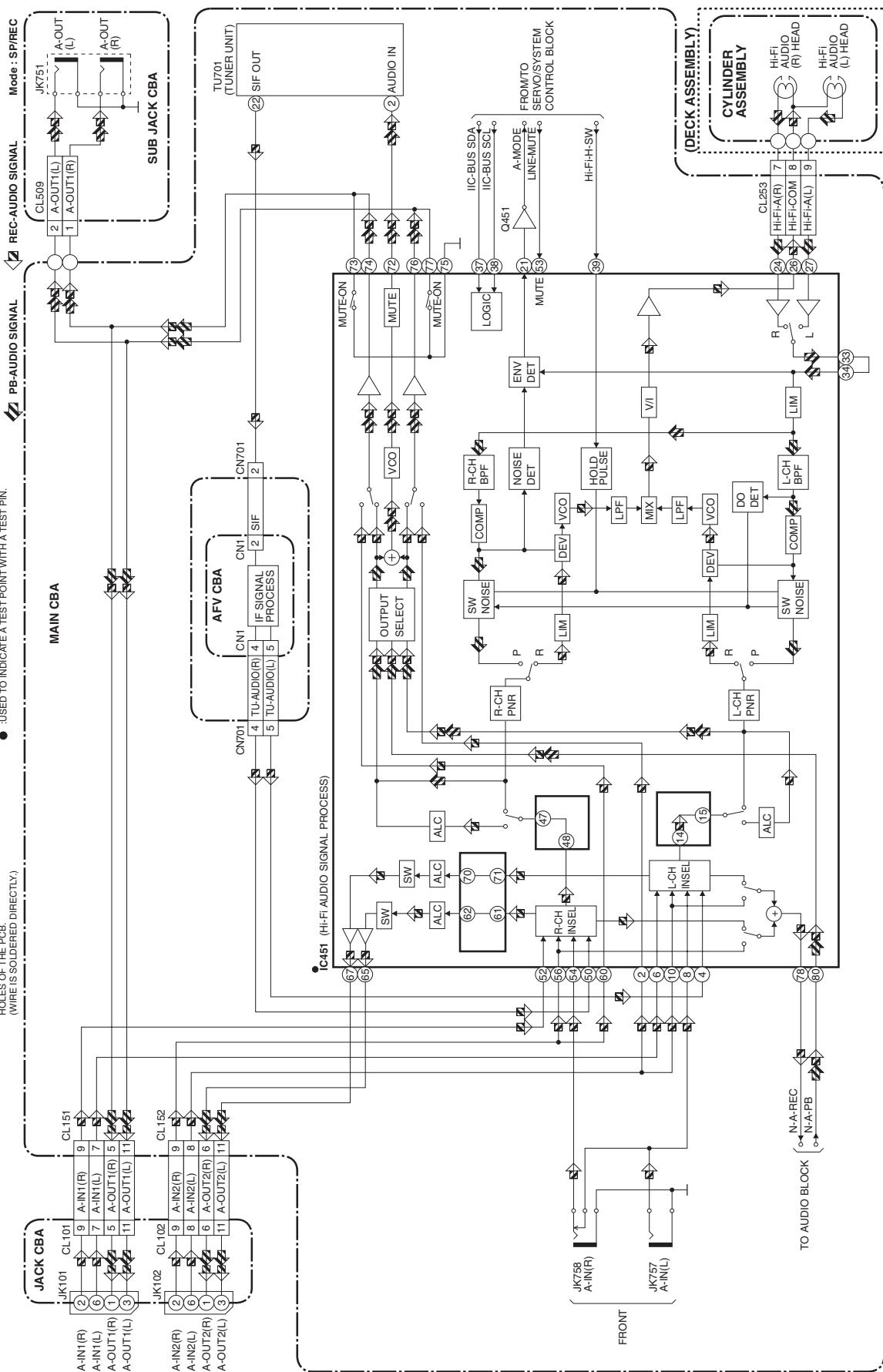
# Audio Block Diagram



# Hi-Fi Audio Block Diagram

**NOTE FOR WIRE CONNECTORS:**  
 1. PREFIX SYMBOL 'C' MEANS CONNECTOR.  
 2. PREFIX SYMBOL 'S' MEANS DISCONNECT AND RECONNECT.  
 3. PREFIX SYMBOL 'L' MEANS WIRE SOLDER  
 HOLES OF THE PCB ARE LEFT OPEN.  
 (WIRE IS SOLDERED DIRECTLY.)

"●" = SMD  
 TEST POINT INFORMATION  
 ◻ INDICATES A TEST POINT WITH A JUMPER WIRE ACROSS A HOLE IN THE PCB.  
 ◻ USED TO INDICATE A TEST POINT WITH A COMPONENT LEAD ON FOIL SIDE.  
 ◇ USED TO INDICATE A TEST POINT WITH NO TEST PIN.  
 ● USED TO INDICATE A TEST POINT WITH A TEST PIN.

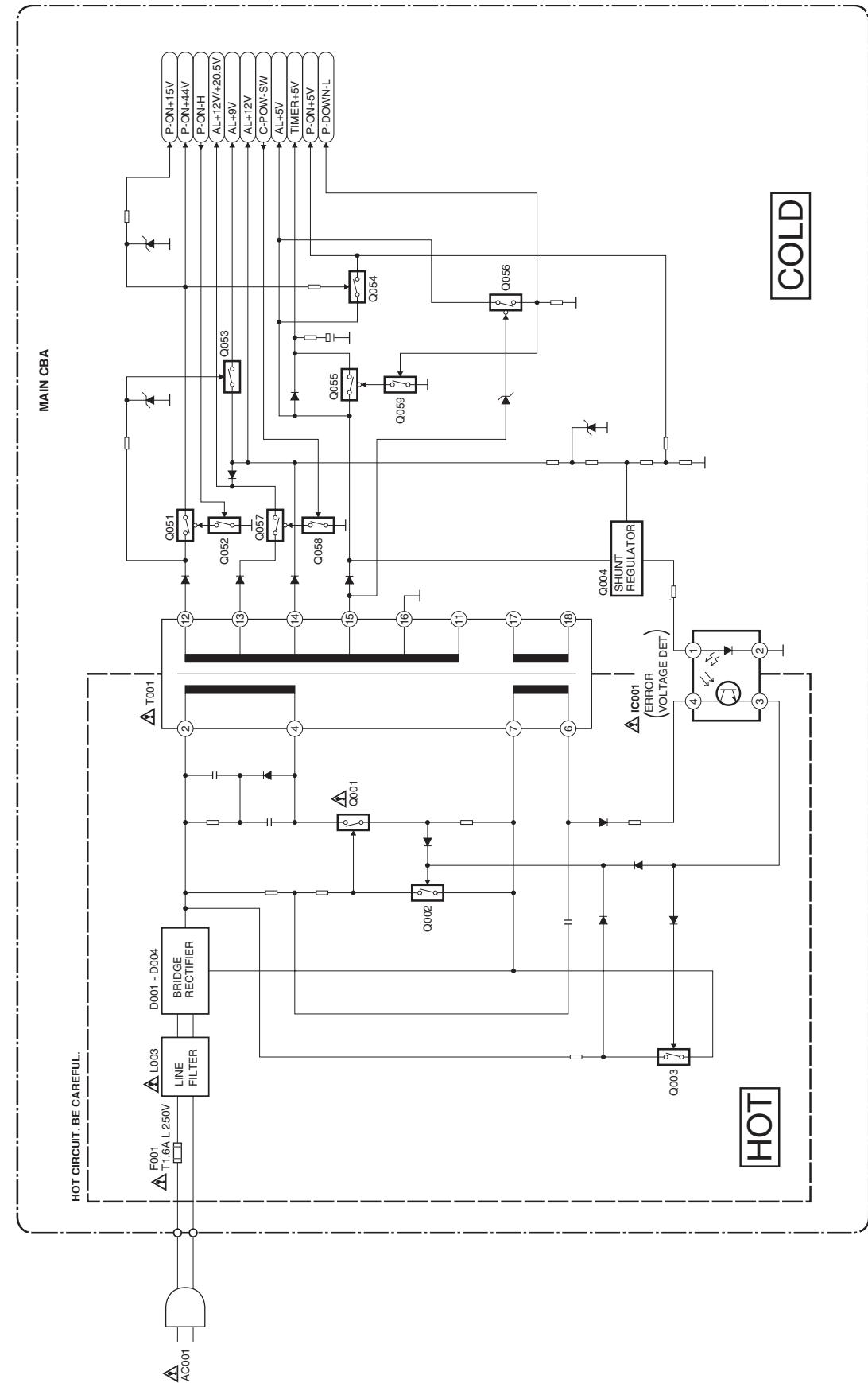


# Power Supply Block Diagram

**CAUTION !**  
Fixed voltage (or Auto voltage selectable) power supply circuit is used in this unit.  
If Main Fuse (F001) is blown, check to see that all components in the power supply  
circuit are not defective before you connect the AC plug to the AC power supply.  
Otherwise it may cause some components in the power supply circuit to fail.

**CAUTION**  
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,  
REPLACE ONLY WITH THE SAME TYPE T1.6AL/250V FUSE.

**NOTE :**  
The voltage for parts in hot circuit is measured using  
hot GND as a common terminal.

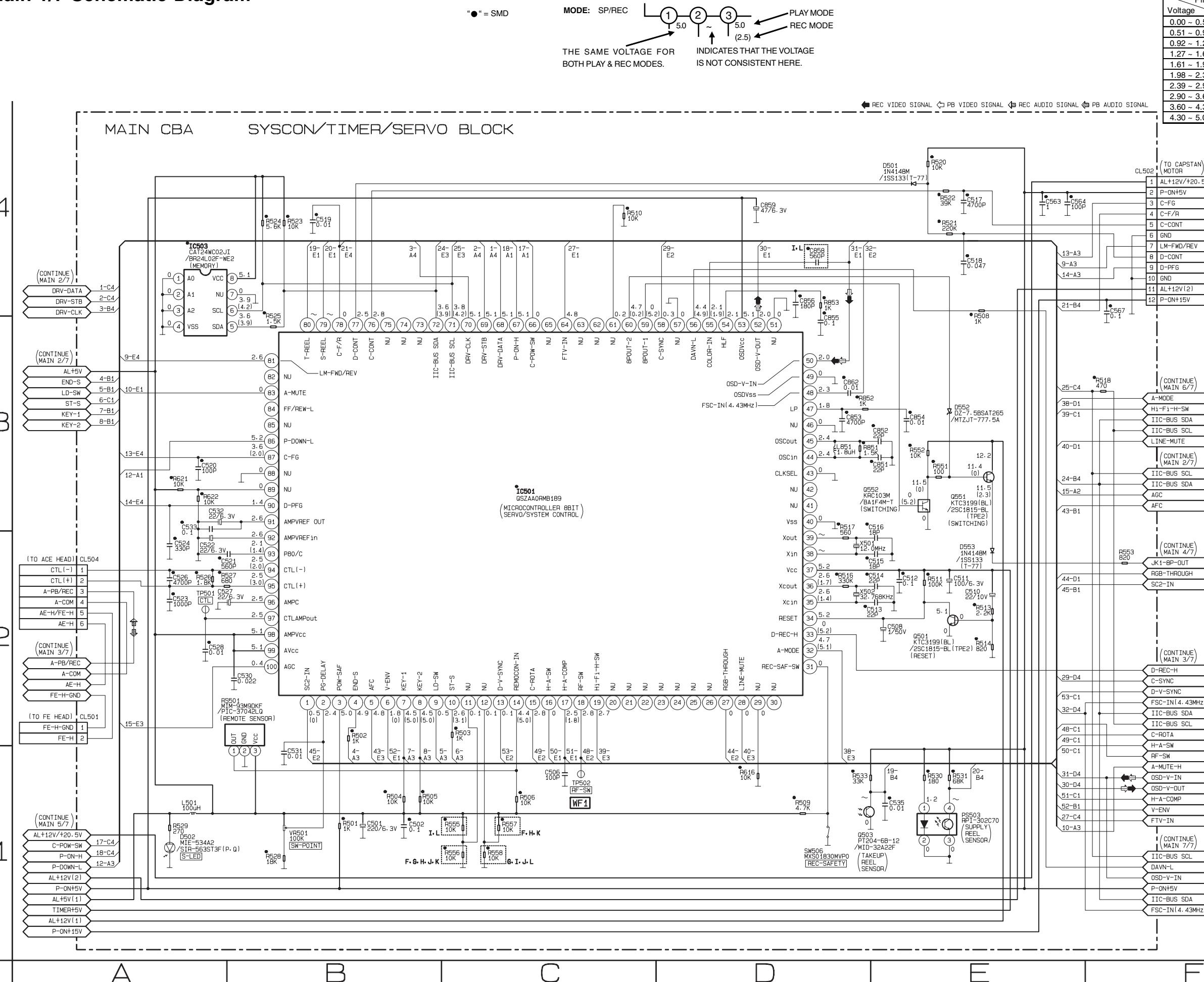


[ VR750/ (02, 07, 16, 58), VR752/ (07, 16, 58) ]

Main 1/7 Schematic Diagram Parts Location Guide

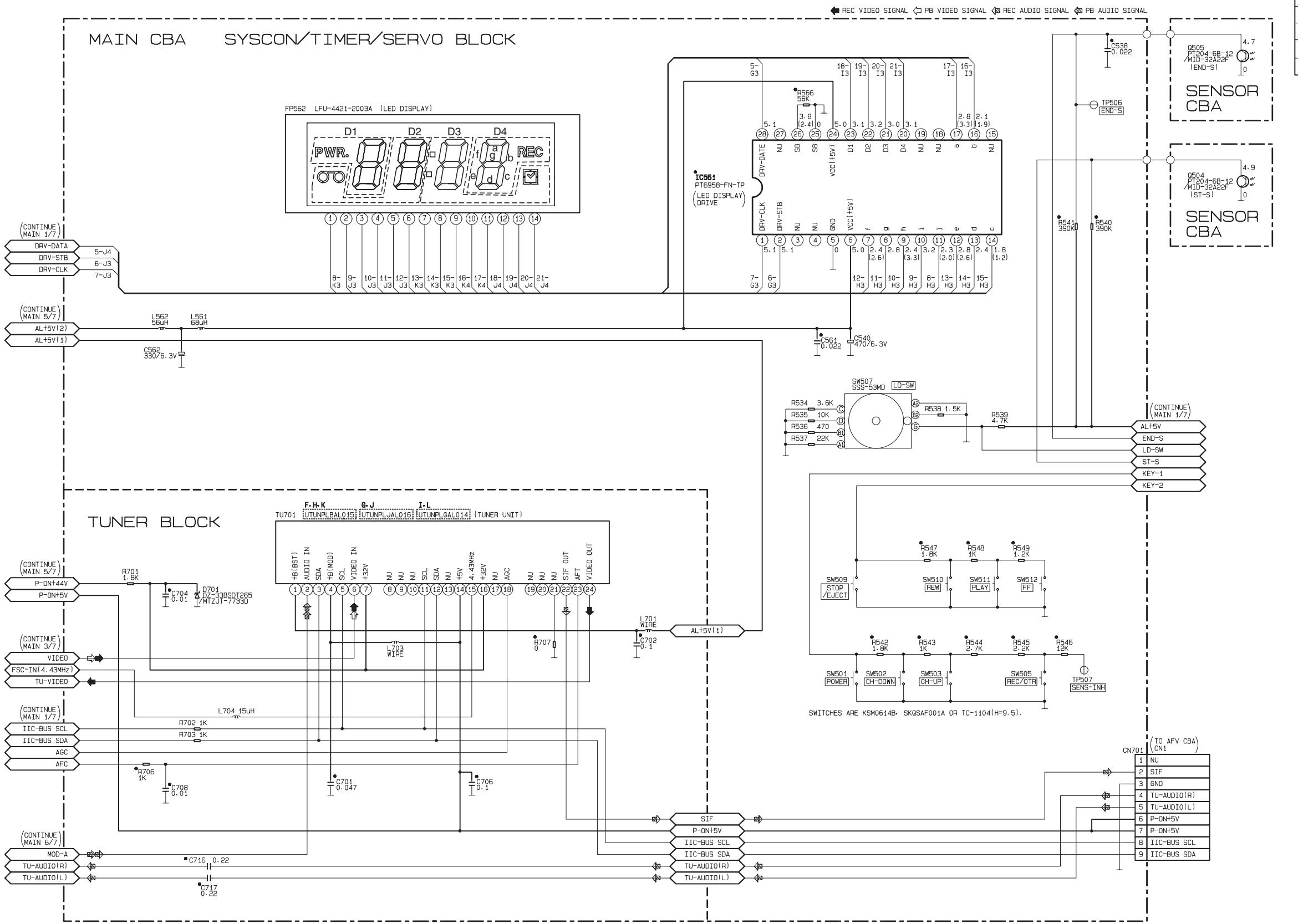
Ref No.	Position	Ref No.	Position	Ref No.	Position
CAPACITORS		CONNECTORS		RESISTORS	
C501	B-1	CL501	A-2	R524	B-4
C502	B-1	CL502	F-4	R525	B-3
C506	C-1	CL504	A-2	R526	A-2
C508	E-2	DIODES		R527	A-2
C510	E-2	D501	E-4	R528	B-1
C511	E-2	D502	A-1	R529	A-1
C512	E-2	D552	E-3	R530	E-1
C513	E-2	D553	E-2	R531	E-1
C514	E-2	ICS		R533	D-1
C515	E-2	IC501	C-3	R551	E-3
C516	E-2	IC503	A-4	R552	E-3
C517	E-4	COILS		R553	F-2
C518	E-4	L501	A-1	R555	C-1
C519	B-4	L851	D-3	R556	C-1
C520	A-3	TRANSISTORS		R557	C-1
C521	A-2	Q501	E-2	R558	C-1
C522	A-2	Q503	D-1	R615	D-1
C523	A-2	Q551	E-3	R616	D-1
C524	A-2	Q552	E-3	R621	A-3
C526	A-2	RESISTORS		R622	A-3
C527	B-2	R501	B-1	R851	D-3
C528	A-2	R502	B-2	R852	D-3
C530	B-2	R503	C-2	R853	D-4
C531	B-1	R504	B-1	SWITCH	
C532	A-3	R505	B-1	SW506	D-1
C533	A-3	R506	C-1	VARIABLE RESISTOR	
C535	E-1	R508	E-4	VR501	B-1
C563	E-4	R509	D-1	CRYSTAL OSCILLATORS	
C564	E-4	R510	C-4	X501	D-2
C567	F-4	E511	E-2	X502	D-2
C851	E-3	R513	E-2	MISCELLANEOUS	
C852	E-3	R514	E-2	PS503	E-1
C853	D-3	R516	D-2	RS501	B-2
C854	E-3	R517	D-3	TEST POINTS	
C855	D-3	R518	F-3	TP501	A-2
C856	D-4	R520	E-4	TP502	C-1
C858	E-4	R521	E-4		
C859	D-4	R522	E-4		
C862	D-3	R523	B-4		

## Main 1/7 Schematic Diagram



Pin No.	KEY 1 (7 PIN)	KEY 2 (8 PIN)
0.00 ~ 0.51V	POWER	STOP/EJECT
0.51 ~ 0.92V	CH DOWN	REW
0.92 ~ 1.27V	CH UP	PLAY
1.27 ~ 1.61V	-----	FF
1.61 ~ 1.98V	-----	-----
1.98 ~ 2.39V	REC/OTR	-----
2.39 ~ 2.90V	-----	-----
2.90 ~ 3.60V	SENS-INH	-----
3.60 ~ 4.30V	-----	-----
4.30 ~ 5.00V	KEY OFF	KEY OFF

## Main 2/7 & Sensor Schematic Diagrams



FP562 MATRIX CHART

	D1	D2	D3	D4
a	a	a	a	a
b	b	b	b	b
c	c	c	c	c
d	d	d	d	d
e	e	e	e	e
f	f	f	f	f
g	g	g	g	g
h	—	—	—	REC
i	PWR	○	□	—
j	—	□	□	—

Comparison Chart of Models and Marks

MODEL	MARK
VR750/02	F
VR750/07	G
VR750/16	H
VR750/58	I
VR752/07	J
VR752/16	K
VR752/58	L

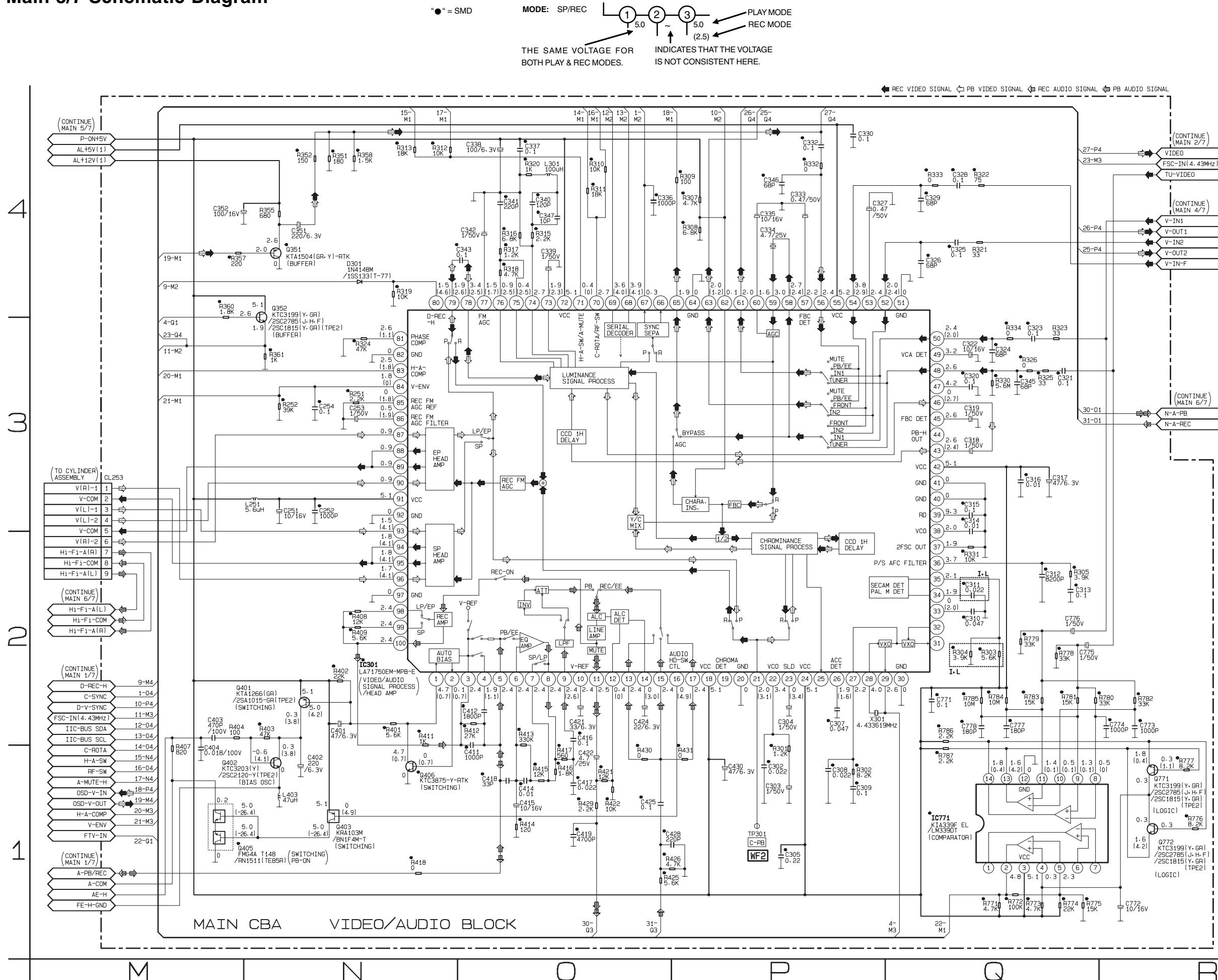
## MAIN 2/7 Schematic Diagram Parts Location Guide

Ref No.	Position	Ref No.	Position
CAPACITORS		RESISTORS	
C538	K-4	R541	K-4
C540	J-3	R542	J-2
C561	J-3	R543	J-2
C562	G-3	R544	K-2
C564		R545	K-2
C701	H-2	R546	K-2
C702	I-2	R547	J-2
C704	G-2	R548	K-2
C706	H-1	R549	K-2
C708	G-1	R566	J-4
C716	G-1	R701	G-2
C717	G-1	R702	G-1
CONNECTOR		R703	G-1
CN701	K-1	R706	G-1
DIODE		R707	I-2
D701	G-2	SWITCHES	
IC		SW501	J-2
IC561	J-4	SW502	J-2
COILS		SW503	K-2
L561	G-3	SW505	K-2
L562	G-3	SW507	J-3
L701	I-2	SW509	J-2
L703	H-2	SW510	K-2
L704	H-1	SW511	K-2
RESISTORS		SW512	K-2
R534	J-3	MISCELLANEOUS	
R535	J-3	FP562	H-4
R536	J-3	TU701	H-2
R537	J-3	TEST POINTS	
R538	K-3	TP506	K-4
R539	K-3	TP507	K-2
R540	K-4		

## MAIN 3/7 Schematic Diagram Parts Location Guide

Ref No.	Position	Ref No.	Position	Ref No.	Position	Ref No.	Position
CAPACITORS		CAPACITORS		TRANSISTORS		RESISTORS	
C251	N-3	C346	P-4	Q402	N-1	R401	N-2
C252	N-3	C347	O-4	Q403	N-1	R402	N-2
C253	N-3	C351	N-4	Q405	M-1	R403	N-2
C254	N-3	C352	M-4	Q406	N-1	R404	M-2
C302	P-1	C401	N-2	Q771	R-1	R407	M-1
C303	P-1	C402	N-1	Q772	R-1	R408	N-2
C304	P-2	C403	M-2	RESISTORS		R409	N-2
C305	P-1	C404	M-1	R251	N-3	R411	N-2
C307	P-2	C411	O-1	R252	N-3	R412	O-2
C308	P-1	C412	O-2	R301	P-1	R413	O-2
C309	P-1	C414	O-1	R302	P-1	R414	O-1
C310	Q-2	C415	O-1	R303	Q-2	R415	O-1
C311	Q-2	C416	O-2	R304	Q-2	R416	O-1
C312	Q-2	C417	O-1	R305	Q-2	R417	O-1
C313	Q-2	C418	O-1	R307	P-4	R418	N-1
C314	Q-3	C419	O-1	R308	P-4	R421	O-1
C315	Q-3	C421	O-2	R309	P-4	R422	O-1
C316	Q-3	C422	O-1	R310	O-4	R425	O-1
C317	Q-3	C424	O-2	R311	O-4	R426	O-1
C318	Q-3	C425	O-1	R312	N-4	R429	O-1
C319	Q-3	C428	O-1	R313	N-4	R430	O-1
C320	Q-3	C430	P-1	R315	O-4	R431	P-1
C321	Q-3	C771	Q-2	R316	O-4	R771	Q-1
C322	Q-3	C772	R-1	R317	O-4	R772	Q-1
C323	Q-3	C773	R-2	R318	O-4	R773	Q-1
C324	Q-3	C774	R-2	R319	N-4	R774	Q-1
C325	Q-4	C775	Q-2	R320	O-4	R775	Q-1
C326	Q-4	C776	Q-2	R321	Q-4	R776	R-1
C327	P-4	C777	Q-2	R322	Q-4	R777	R-1
C328	Q-4	C778	Q-2	R323	Q-4	R778	Q-2
C329	Q-4	CONNECTOR		R324	N-3	R779	Q-2
C330	P-4	CL253	M-3	R325	Q-3	R780	Q-2
C332	P-4	DIODE		R326	Q-3	R781	Q-2
C333	P-4	D301	N-4	R330	Q-3	R782	R-2
C334	P-4	ICS		R331	Q-2	R783	Q-2
C335	P-4	IC301	N-2	R332	P-4	R784	Q-2
C336	O-4	IC771	Q-1	R333	Q-4	R785	Q-2
C337	O-4	COILS		R334	Q-3	R786	Q-2
C338	O-4	L251	N-3	R351	N-4	R787	Q-1
C339	O-4	L301	O-4	R352	N-4	CRYSTAL OSCILLATOR	
C340	O-4	L403	N-1	R355	N-4	X301	P-2
C341	O-4	TRANSISTORS		R357	M-4	TEST POINT	
C342	O-4	Q351	N-4	R358	N-4	TP301	P-1
C343	O-4	Q352	N-3	R360	M-4		
C345	Q-3	Q401	N-2	R361	N-3		

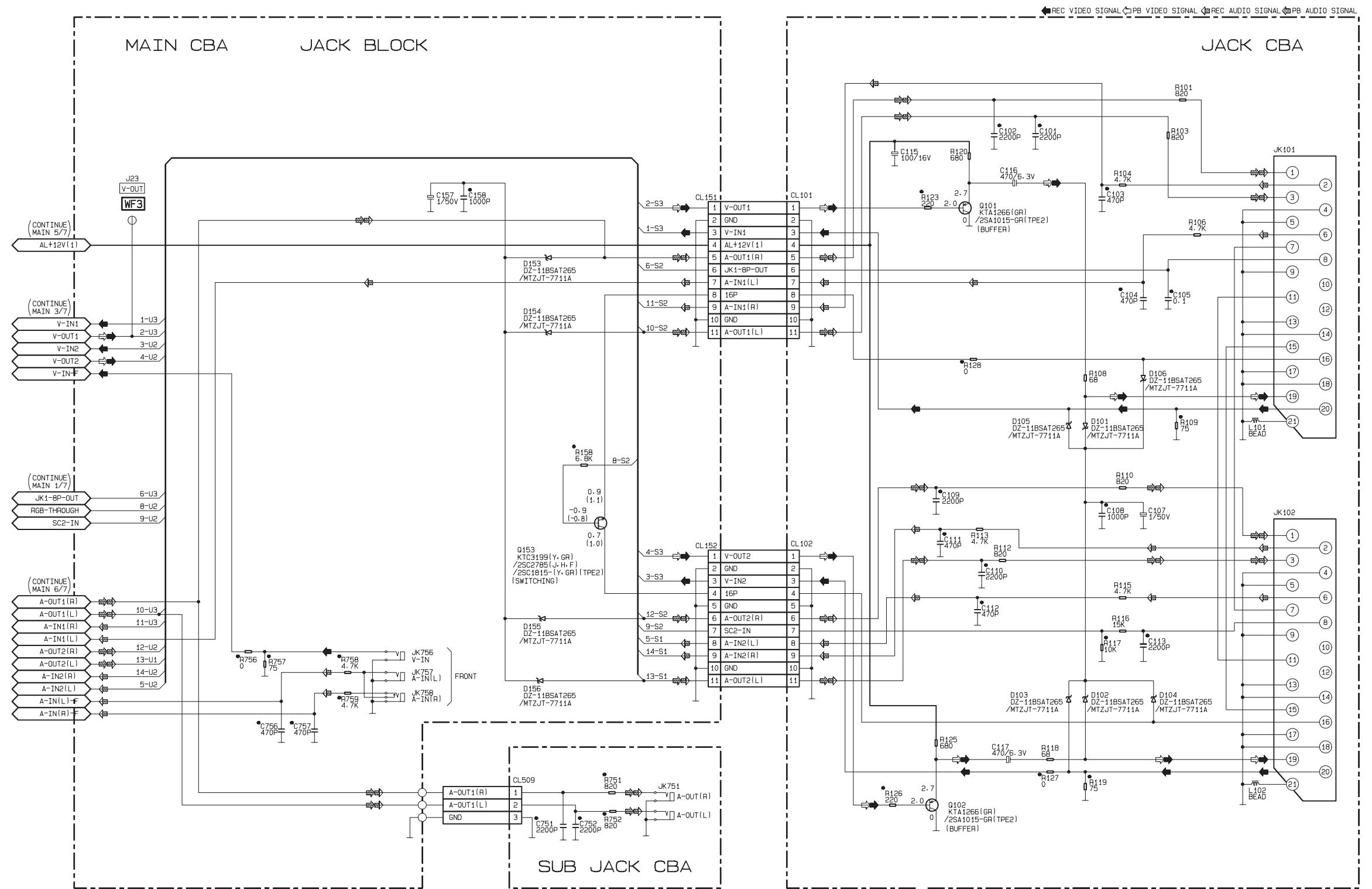
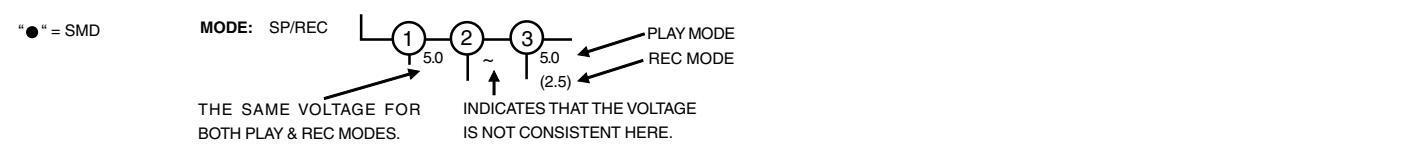
## Main 3/7 Schematic Diagram



Comparison Chart of Models and Marks

MODEL	MARK
VR750/02	F
VR750/07	G
VR750/16	H
VR750/58	I
VR752/07	J
VR752/16	K
VR752/58	L

## Main 4/7 & Jack Schematic Diagrams



## MAIN 4/7 Schematic Diagram Parts Location Guide

Ref No.	Position	Ref No.	Position
CAPACITORS		RESISTORS	
C157	T-3	R158	U-2
C158	U-3	R756	T-2
C756	T-1	R757	T-2
C757	T-1	R758	T-1
CONNECTORS		R759	T-1
CL151	U-3	MISCELLANEOUS	
CL152	U-2	JK756	T-2
DIODES		JK757	T-1
D153	U-3	JK758	T-1
D154	U-3	TEST POINT	
D155	U-2	J23	S-3
D156	U-1		
TRANSISTOR			
Q153	U-2		

## JACK Schematic Diagram Parts Location Guide

Ref No.	Position	Ref No.	Position
CAPACITORS		TRANSISTORS	
C101	W-4	Q101	V-3
C102	W-4	Q102	V-1
C103	W-3	RESISTORS	
C104	W-3	R101	W-4
C105	W-3	R103	W-4
C107	W-2	R104	W-3
C108	W-2	R106	W-3
C109	V-2	R108	W-3
C110	W-2	R109	W-2
C111	V-2	R110	W-2
C112	W-2	R112	W-2
C113	W-2	R113	V-2
C115	V-4	R115	W-2
C116	W-3	R116	W-2
C117	W-1	R117	W-2
CONNECTORS		R118	W-1
CL101	V-3	R119	W-1
CL102	V-2	R120	V-4
DIODES		R123	V-3
D101	W-2	R125	V-1
D102	W-1	R126	V-1
D103	W-1	R127	W-1
D104	W-1	R128	V-3
D105	W-2	MISCELLANEOUS	
D106	W-3	JK101	X-4
COILS		JK102	X-2
L101	X-2		
L102	X-1		

## MAIN 5/7 Schematic Diagram Parts Location Guide

Ref No.	Position	Ref No.	Position	Ref No.	Position
CAPACITORS		DIODES		RESISTORS	
C002	Y-3	D021	Z-1	R008	Y-2
C003	Y-2	D051	BB-2	R009	Z-1
C004	Z-3	D052	CC-3	R011	Y-1
C005	Z-3	D053	BB-2	R012	Y-1
C006	Z-2	D055	BB-2	R013	Z-1
C007	Z-2	D056	AA-2	R014	Y-1
C008	Y-1	D057	BB-2	R015	Z-1
C010	Y-1	D058	CC-2	R016	Z-1
C011	Y-1	IC		R017	AA-3
C012	AA-3	IC001	Z-1	R018	AA-2
C014	AA-2	COILS		R021	AA-1
C015	CC-3	J902	AA-1	R022	AA-1
C017	AA-2	L001	Y-3	R023	AA-1
C018	AA-2	L002	Y-3	R024	AA-1
C020	AA-2	L003	Y-3	R025	AA-1
C021	AA-2	L009	AA-2	R026	AA-2
C025	AA-1	L010	AA-2	R027	Z-1
C026	BB-2	L012	BB-2	R028	Z-2
C053	BB-1	TRANSISTORS		R030	AA-1
C056	BB-1	Q001	Z-2	R031	AA-1
C057	BB-1	Q002	Z-2	R032	AA-1
C060	BB-2	Q003	Y-1	R053	CC-2
C061	CC-2	Q004	AA-1	R054	BB-2
DIODES		Q051	BB-3	R058	BB-2
D001	Y-3	Q052	BB-3	R060	BB-1
D002	Z-3	Q053	BB-2	R061	BB-1
D003	Y-3	Q054	CC-2	R062	BB-2
D004	Z-3	Q055	BB-2	R063	BB-2
D005	Z-2	Q056	BB-1	R064	BB-2
D006	Z-2	Q057	BB-3	R065	BB-2
D007	Z-1	Q058	CC-3	R066	BB-3
D008	Z-1	Q059	BB-1	R067	BB-3
D009	Z-1	RESISTORS		R068	BB-3
D011	AA-3	R001	Y-2	R071	CC-3
D012	AA-3	R002	Z-3	R073	BB-1
D013	AA-2	R003	Z-3	MISCELLANEOUS	
D014	AA-2	R004	Z-3	AC001	Y-3
D015	AA-2	R005	Z-2	F001	Y-3
D018	Z-2	R006	Z-2	SA001	Y-3
D019	AA-1	R007	Z-2	T001	Z-3

## Main 5/7 Schematic Diagram

### CAUTION !

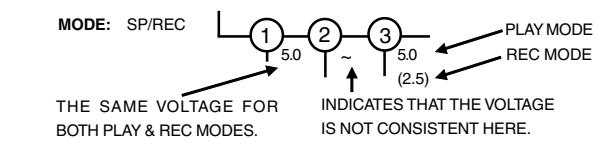
For continued protection against fire hazard, replace only with the same type fuse.

### NOTE :

The voltage for parts in hot circuit is measured using hot GND as a common terminal.

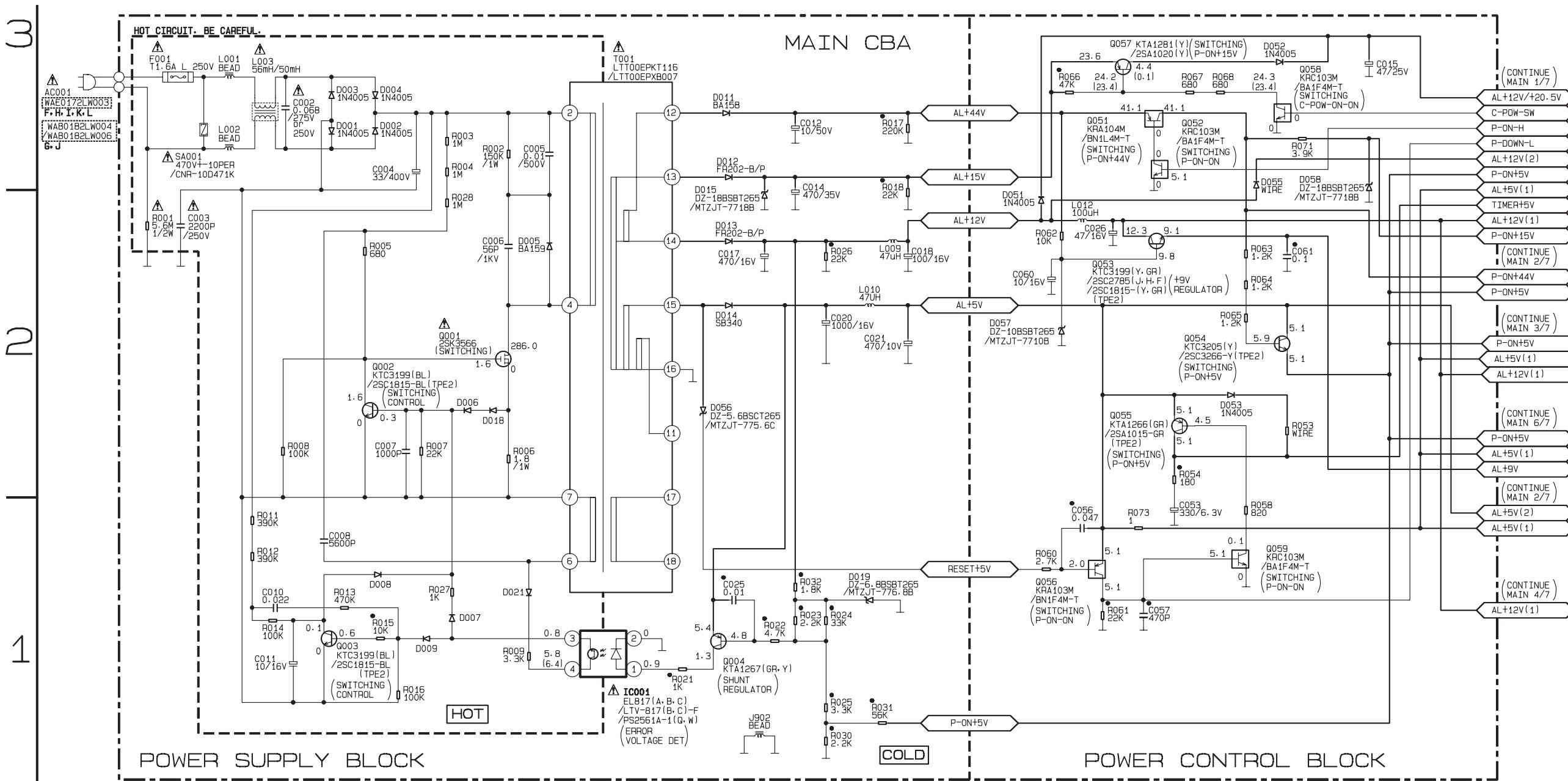
### CAUTION !

Fixed voltage ( or Auto voltage selectable ) power supply circuit is used in this unit. If Main Fuse (F001) is blown, check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply. Otherwise it may cause some components in the power supply circuit to fail.

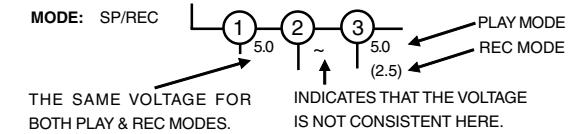
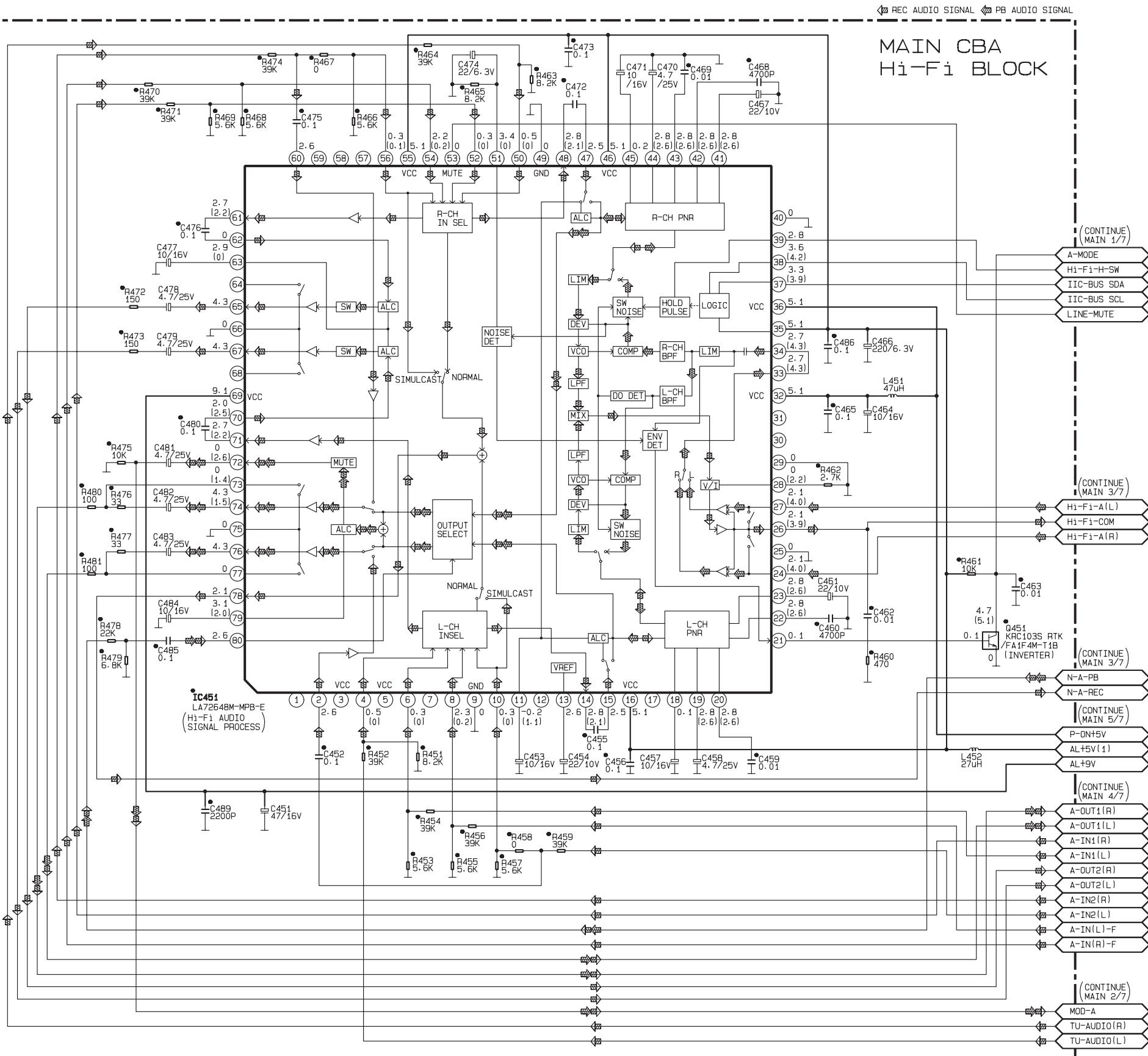


Comparison Chart of Models and Marks

MODEL	MARK
VR750/02	F
VR750/07	G
VR750/16	H
VR750/58	I
VR752/07	J
VR752/16	K
VR752/58	L



## Main 6/7 Schematic Diagram



MAIN 6/7 Schematic Diagram Parts Location Guide

Ref No.	Position	Ref No.	Position
CAPACITORS		COILS	
C451	EE-1	L451	GG-3
C452	EE-2	L452	GG-2
C453	EE-2	TRANSISTOR	
C454	FF-2	Q451	GG-2
C455	FF-2	RESISTORS	
C456	FF-2	R451	EE-2
C457	FF-2	R452	EE-2
C458	FF-2	R453	EE-1
C459	FF-2	R454	EE-1
C460	FF-2	R455	EE-1
C461	FF-2	R456	EE-1
C462	GG-2	R457	EE-1
C463	GG-2	R458	EE-1
C464	GG-3	R459	EE-1
C465	FF-3	R460	GG-2
C466	GG-3	R461	GG-2
C467	FF-4	R462	FF-3
C468	FF-4	R463	EE-4
C469	FF-4	R464	EE-4
C470	FF-4	R465	EE-4
C471	FF-4	R466	EE-4
C472	FF-4	R467	EE-4
C473	FF-4	R468	DD-4
C474	EE-4	R469	DD-4
C475	EE-4	R470	DD-4
C476	EE-4	R471	DD-4
C477	EE-4	R472	DD-4
C478	EE-4	R473	DD-4
C479	EE-4	R474	DD-4
C480	DD-3	R475	DD-3
C481	DD-3	R476	DD-2
C482	DD-2	R477	DD-2
C483	DD-2	R478	DD-2
C484	DD-2	R479	DD-2
C485	DD-2	R480	DD-2
C486	FF-3	R481	DD-2
C489	DD-1		
IC451	DD-2		

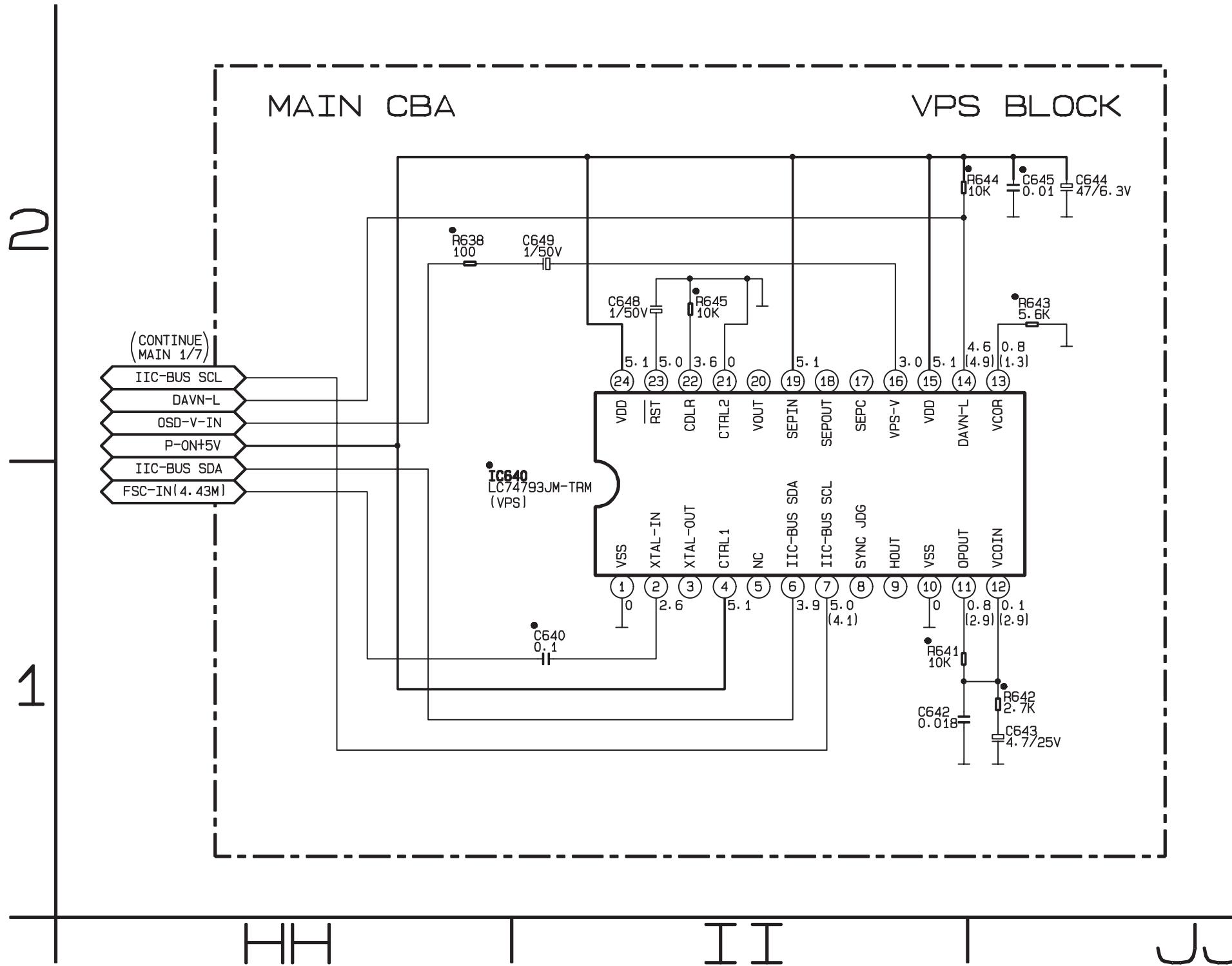
DD

EE

FF

GG

## Main 7/7 Schematic Diagram



MAIN 7/7 Schematic Diagram  
Parts Location Guide

Ref No.	Position
CAPACITORS	
C640	II-1
C642	II-1
C643	JJ-1
C644	JJ-2
C645	JJ-2
C648	II-2
C649	II-2
IC	
IC640	II-1
RESISTORS	
R638	HH-2
R641	II-1
R642	JJ-1
R643	JJ-2
R644	JJ-2
R645	II-2

## Main CBA Top View

### CAUTION !

For continued protection against fire hazard,  
replace only with the same type fuse.

### NOTE :

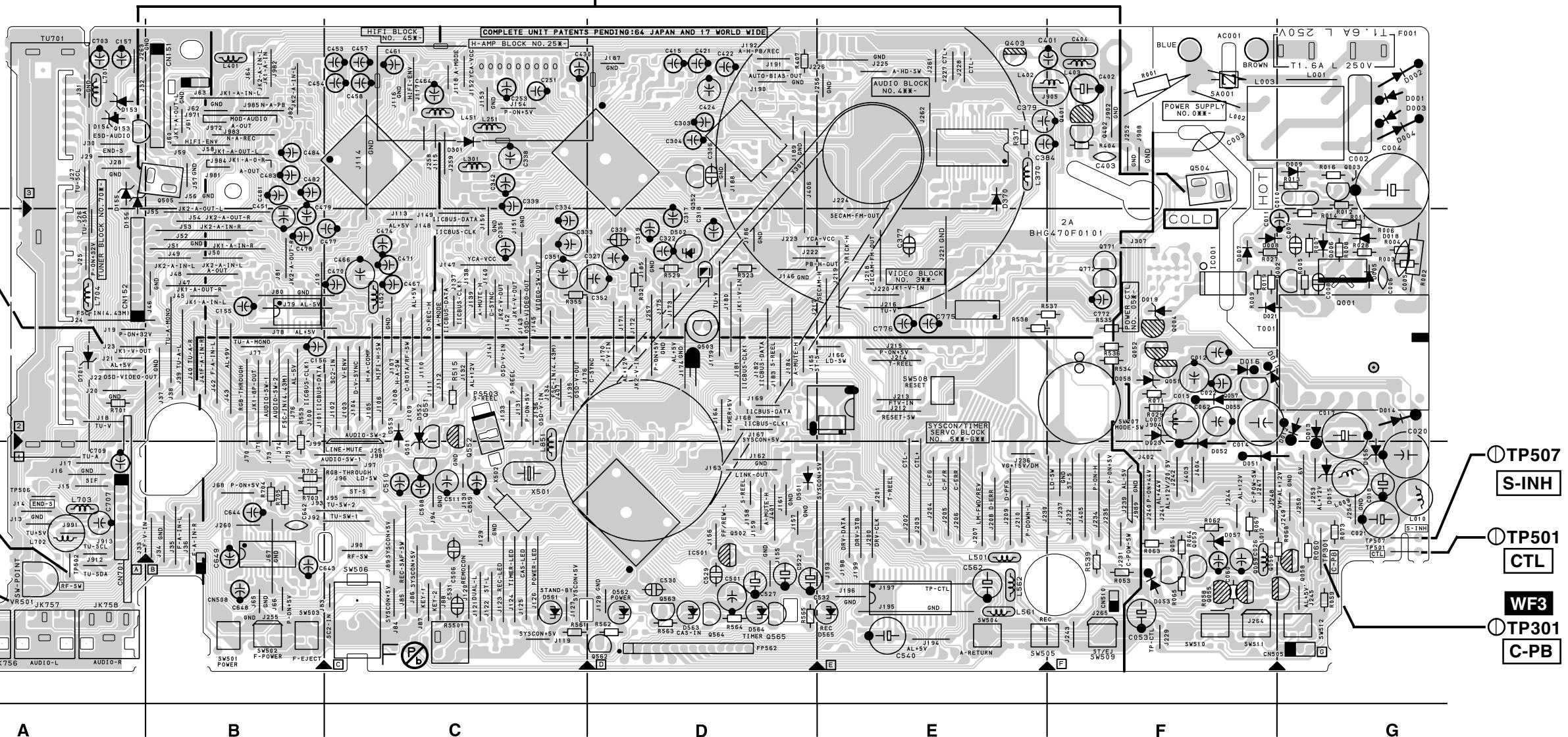
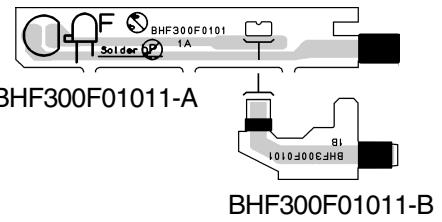
The voltage for parts in hot circuit is measured  
using hot GND as a common terminal.

### CAUTION !

Fixed voltage ( or Auto voltage selectable ) power supply circuit is used in this unit.  
If Main Fuse (F001) is blown, check to see that all components in the power supply  
circuit are not defective before you connect the AC plug to the AC power supply.  
Otherwise it may cause some components in the power supply circuit to fail.

BECAUSE A HOT CHASSIS GROUND IS PRESENT IN THE POWER  
SUPPLY CIRCUIT , AN ISOLATION TRANSFORMER MUST BE USED.  
ALSO , IN ORDER TO HAVE THE ABILITY TO INCREASE THE INPUT  
SLOWLY , WHEN TROUBLESHOOTING THIS TYPE POWER SUPPLY  
CIRCUIT , A VARIABLE ISOLATION TRANSFORMER IS REQUIRED.

**Sensor CBA Top View**



## Main CBA Bottom View

### CAUTION !

For continued protection against fire hazard,  
replace only with the same type fuse.

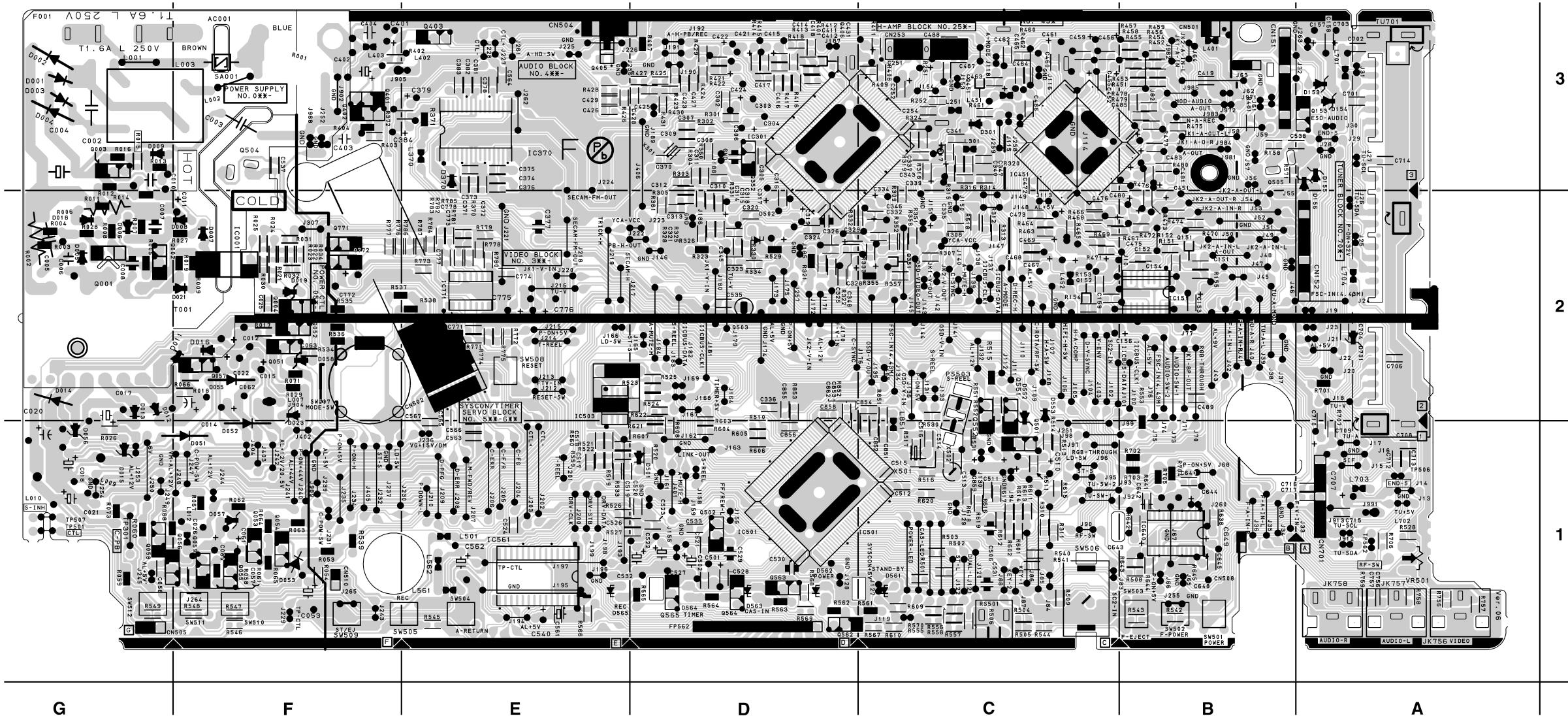
### NOTE :

The voltage for parts in hot circuit is measured  
using hot GND as a common terminal.

### CAUTION !

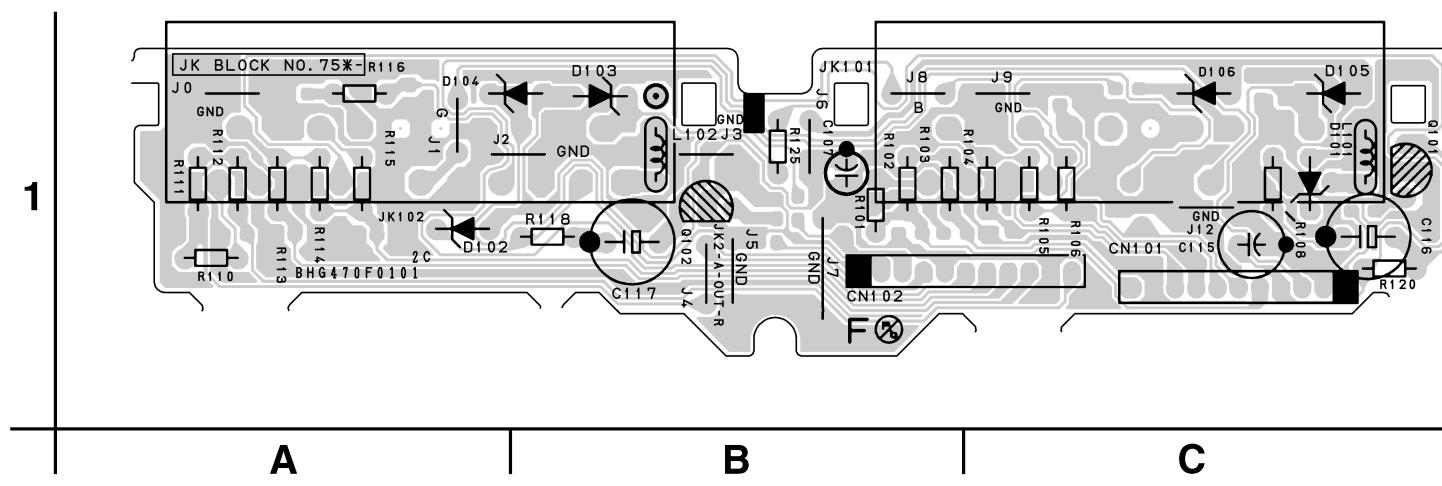
Fixed voltage ( or Auto voltage selectable ) power supply circuit is used in this unit.  
If Main Fuse (F001) is blown, check to see that all components in the power supply  
circuit are not defective before you connect the AC plug to the AC power supply.  
Otherwise it may cause some components in the power supply circuit to fail.

**BECAUSE A HOT CHASSIS GROUND IS PRESENT IN THE POWER SUPPLY CIRCUIT , AN ISOLATION TRANSFORMER MUST BE USED. ALSO , IN ORDER TO HAVE THE ABILITY TO INCREASE THE INPUT SLOWLY , WHEN TROUBLESHOOTING THIS TYPE POWER SUPPLY CIRCUIT , A VARIABLE ISOLATION TRANSFORMER IS REQUIRED.**

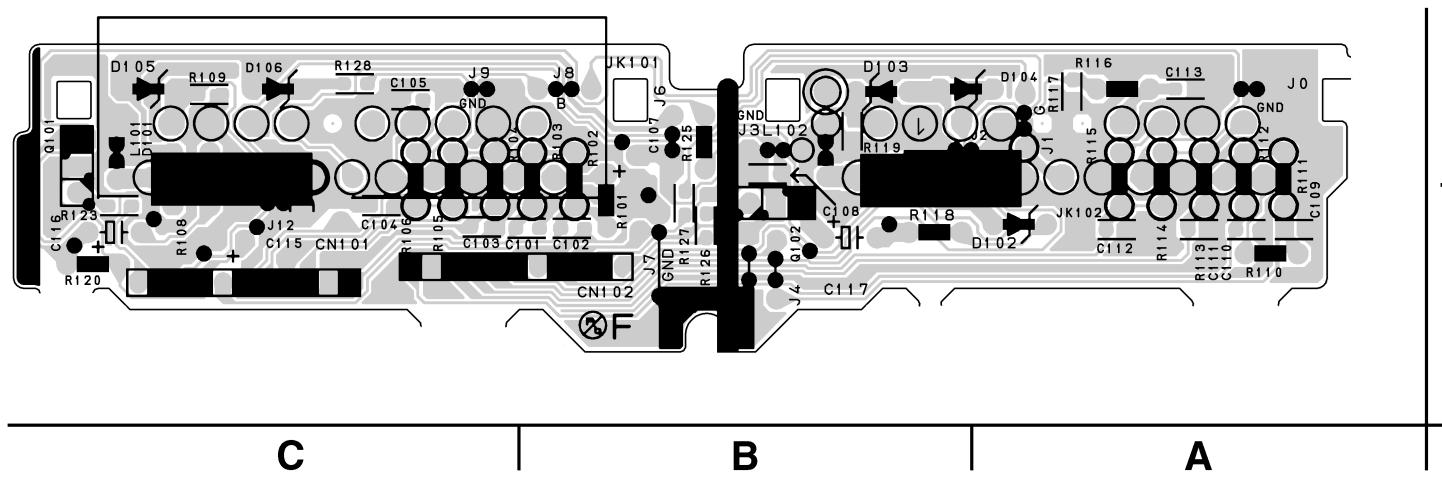




### Jack CBA Top View



### Jack CBA Bottom View

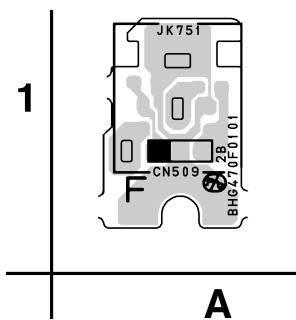


### Jack CBA Parts Location Guide

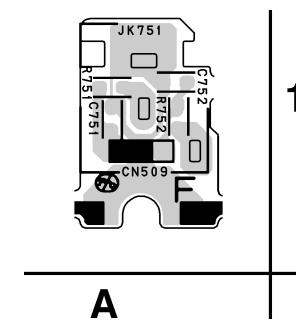
Ref No.	Position	Ref No.	Position
CAPACITORS			TRANSISTORS
C101	B-1	Q101	C-1
C102	B-1	Q102	B-1
C103	C-1	RESISTORS	
C104	C-1	R101	B-1
C105	C-1	R103	B-1
C107	B-1	R104	B-1
C108	B-1	R106	C-1
C109	A-1	R108	C-1
C110	A-1	R109	C-1
C111	A-1	R110	A-1
C112	A-1	R112	A-1
C113	A-1	R113	A-1
C115	C-1	R115	A-1
C116	C-1	R116	A-1
C117	B-1	R117	A-1
CONNECTORS			R118
CL101	C-1	R119	B-1
CL102	B-1	R120	C-1
DIODES			R123
D101	C-1	R125	B-1
D102	A-1	R126	B-1
D103	B-1	R127	B-1
D104	A-1	R128	C-1
D105	C-1	MISCELLANEOUS	
D106	C-1	JK101	B-1
COILS			JK102
L101	C-1	JK102	A-1
L102	B-1		

BHG470F01012-C

### Sub Jack CBA Top View

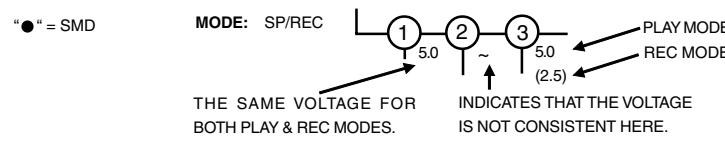


### Sub Jack CBA Bottom View

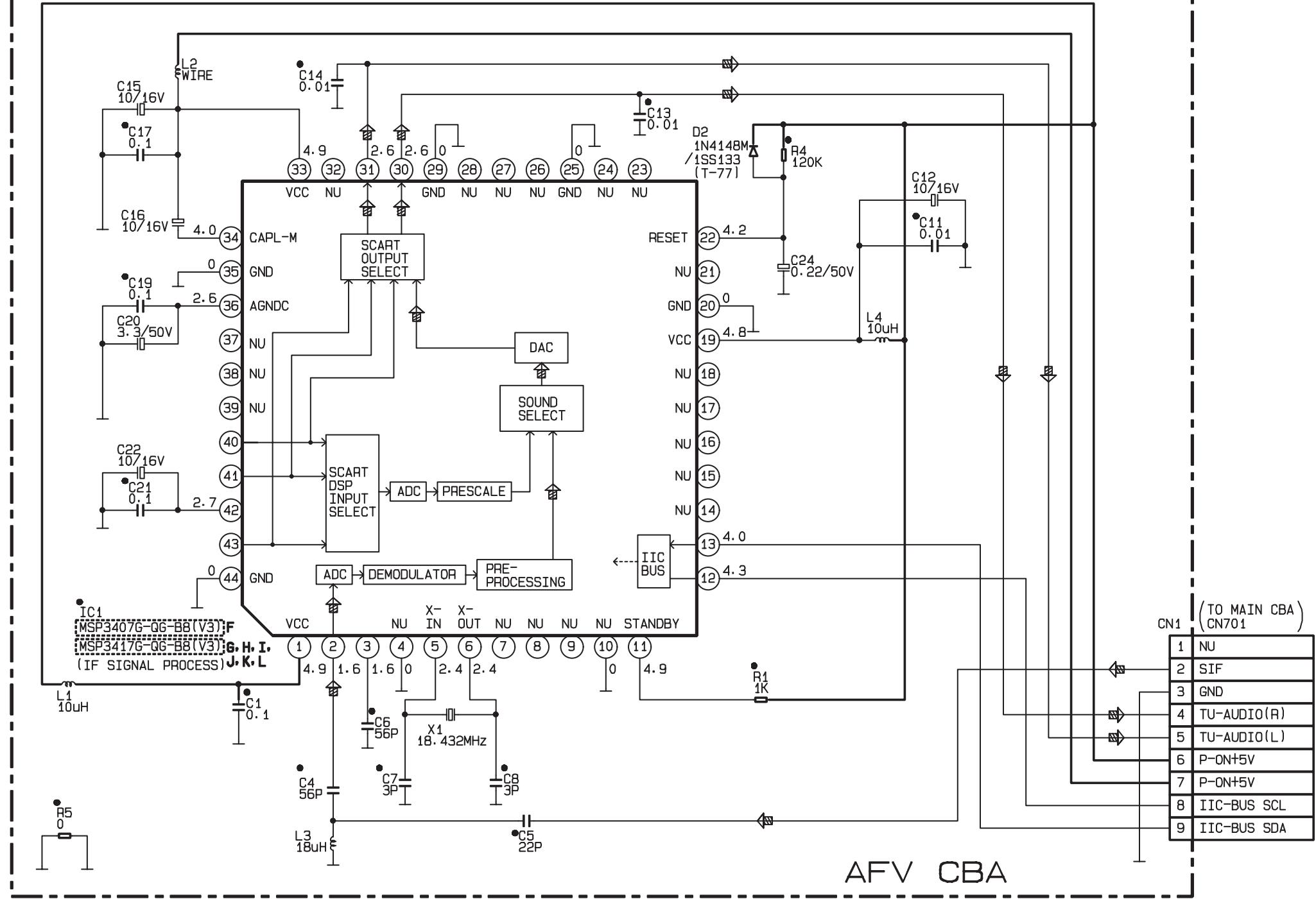


BHG470F01012-B

# AFV Schematic Diagram



REC AUDIO SIGNAL



Comparison Chart of Models and Marks

MODEL	MARK
VR750/02	F
VR750/07	G
VR750/16	H
VR750/58	I
VR752/07	J
VR752/16	K
VR752/58	L

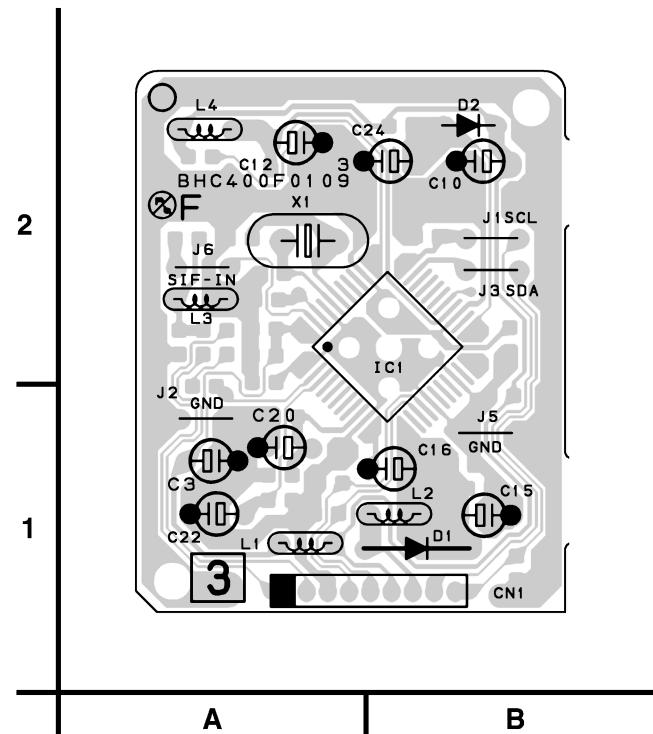
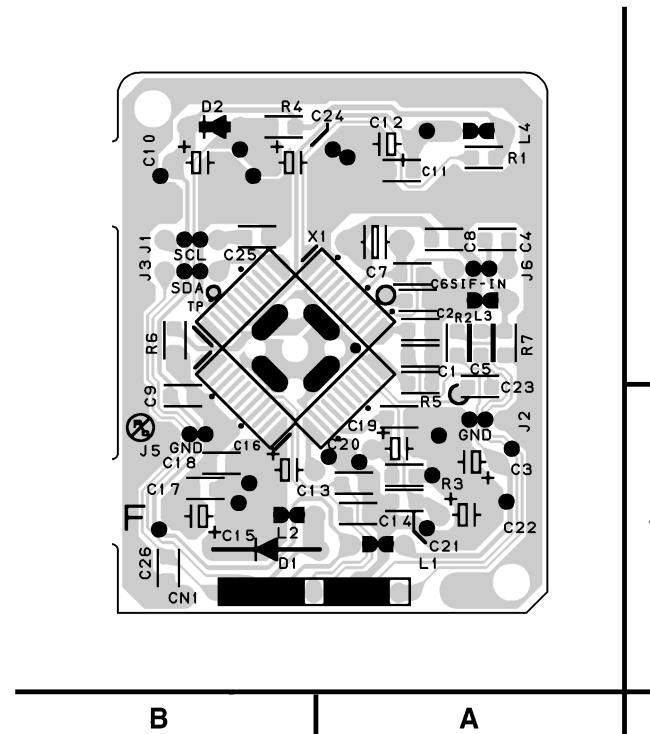
AFV Schematic Diagram Parts Location Guide

Ref No.	Position
CAPACITORS	
C1	A-1
C4	A-1
C5	B-1
C6	A-1
C7	A-1
C8	B-1
C11	C-2
C12	C-2
C13	B-2
C14	A-2
C15	A-2
C16	A-2
C17	A-2
C18	A-2
C19	A-2
C20	A-2
C21	A-1
C22	A-2
C23	A-2
C24	B-2
C25	B-2
C26	B-2
C27	B-2
C28	B-2
C29	B-2
C30	B-2
C31	B-2
C32	B-2
C33	B-2
C34	B-2
C35	B-2
C36	B-2
C37	B-2
C38	B-2
C39	B-2
C40	B-2
C41	B-2
C42	B-2
C43	B-2
C44	B-2
DIODE	
D2	B-2
IC	
IC1	A-1
COILS	
L1	A-1
L2	A-2
L3	A-1
L4	C-2
RESISTORS	
R1	B-1
R4	B-2
R5	A-1
CRYSTAL OSCILLATOR	
X1	B-1

A

B

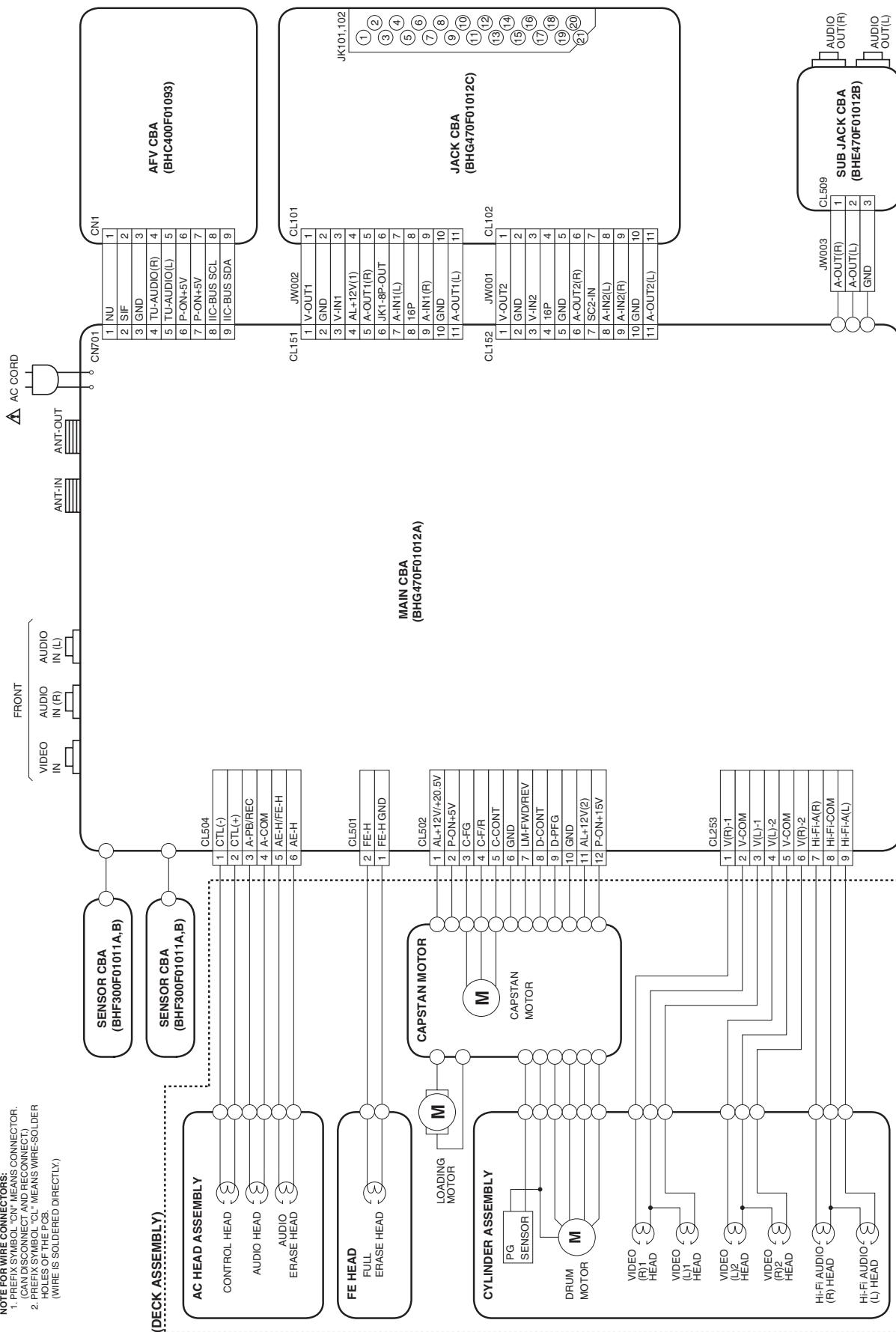
C

**AFV CBA Top View****AFV CBA Bottom View****AFV CBA Parts Location Guide**

Ref No.	Position
CAPACITORS	
C1	A-2
C4	A-2
C5	A-2
C6	A-2
C7	A-2
C8	A-2
C11	A-2
C12	A-2
C13	B-1
C14	A-1
C15	B-1
C16	B-1
C17	B-1
C19	A-1
C20	A-1
C21	A-1
C22	A-1
C24	B-2
CONNECTORS	
CN1	B-1
DIODE	
D2	B-2
IC	
IC1	B-2
COILS	
L1	A-1
L2	B-1
L3	A-2
L4	A-2
RESISTORS	
R1	A-2
R4	B-2
R5	A-1
CRYSTAL OSCILLATOR	
X1	B-2

# [ VR750/ (02, 07, 16, 58), VR752/ (07, 16, 58) ]

## WIRING DIAGRAM



# IC PIN FUNCTION DESCRIPTIONS

[ VR750/ (02, 07, 16, 58), VR752/ (07, 16, 58) ]

## Comparison Chart of Models and Marks

Model	Mark
VR750/02	F
VR750/07	G
VR750/16	H
VR750/58	I
VR752/07	J
VR752/16	K
VR752/58	L

## IC501( SERVO / SYSTEM CONTROL IC )

"H" ≥ 4.5V, "L" ≤ 1.0V

Pin No.	Mark	IN/OUT	Signal Name	Function	Active Level
1		IN	SC2-IN	Input Signal from Pin 8 of SCART2	A/D
2		IN	PG-DELAY	Video Head Switching Pulse Signal Adjusted Voltage	A/D
3		IN	POW-SAF	P-ON Power Detection Input Signal	A/D
4		IN	END-S	Tape End Position Detect Signal	A/D
5		IN	AFC	Automatic Frequency Control Signal	A/D
6		IN	V-ENV	Video Envelope Comparator Signal	A/D
7		IN	KEY-1	Key Scan Input Signal 1	A/D
8		IN	KEY-2	Key Scan Input Signal 2	A/D
9		IN	LD-SW	Deck Mode Position Detector Signal	A/D
10		IN	ST-S	Tape Start Position Detector Signal	A/D
11	-	N.U.		Not Used	-
12	-	N.U.		Not Used	-
13	OUT	D-V-SYNC	Dummy V-sync Output	H/Hi-z	

Pin No.	Mark	IN/OUT	Signal Name	Function	Active Level
14		IN	REMOCO N-IN	Remote Control Sensor	L
15		OUT	C-ROTA	Color Phase Rotary Changeover Signal	H/L
16		OUT	H-A-SW	Video Head Amp Switching Pulse	H/L
17		IN	H-A-COMP	Head Amp Comparator Signal	H/L
18		OUT	RF-SW	Video Head Switching Pulse	H/L
19		OUT	Hi-Fi-H-SW	Hi-Fi Audio Head Switching Pulse	H/L
20		-	N.U.	Not Used	-
21		-	N.U.	Not Used	-
22		-	N.U.	Not Used	-
23		-	N.U.	Not Used	-
24		-	N.U.	Not Used	-
25		-	N.U.	Not Used	-
26		-	N.U.	Not Used	-
27		OUT	RGB-THROUGH	SCART 2 RGB Through Control Signal	L/H
28		OUT	LINE-MUTE	Audio Mute Control Signal	H
29		-	N.U.	Not Used	-
30		-	N.U.	Not Used	-
31		IN	REC-SAF-SW	Recording Safety SW Detect (With Record tab="L"/Without Record tab="H")	H
32		IN	A-MODE	Hi-Fi Tape Detection Signal	L
33		OUT	D-REC-H	Delayed Record Signal	H
34		IN	RESET	System Reset Signal (Reset="L")	L
35		IN	XC-IN	Sub Clock	-
36		OUT	XC-OUT	Sub Clock	-

Pin No.	Mark	IN/OUT	Signal Name	Function	Active Level
37		-	Vcc	Vcc	-
38		IN	X-IN	Main Clock Input	-
39		OUT	X-OUT	Main Clock Input	-
40		-	Vss	Vss(GND)	-
41		-	N.U.	Not Used	-
42		-	N.U.	Not Used	-
43		IN	CLKSEL	Clock Select (GND)	-
44		IN	OSCin	Clock Input for letter size	-
45		OUT	OSCout	Clock Output for letter size	-
46		-	N.U.	Not Used	-
47		-	LP	LP	-
48		IN	FSC-IN [4.43MHz]	4.43MHz Clock Input	-
49		-	OSDVss	OSDVss	-
50		IN	OSD-V-IN	OSD Video Signal Input	-
51		-	N.U.	Not Used	-
52		OUT	OSD-V-OUT	OSD Video Signal Output	-
53		-	OSDVcc	OSDVcc	-
54		-	HLF	LPF Connected Terminal (Slicer)	-
55	F,G, H,J,K	-	N.U.	Not Used	-
	I,L	IN	COLOR-IN	SECAM or MESECAM Chroma Video Input Signal at Super Impose	-
56		IN	DAVN-L	VPS/PDC Data Receive = "L"	L
57		-	N.U.	Not Used	-
58		IN	C-SYNC	Composite Synchronized Pulse	PULSE
59		OUT	8POUT-1	SCART 1 8Pin Output Control Signal	H/L
60		OUT	8POUT-2	SCART 2 8Pin Output Control Signal	H/L
61		-	N.U.	Not Used	-
62		-	N.U.	Not Used	-
63		-	N.U.	Not Used	-

Pin No.	Mark	IN/OUT	Signal Name	Function	Active Level
64		IN	FTV-IN	Comparator Input of Video Signal for Follow TV	L/H
65		-	N.U.	Not Used	-
66		OUT	C-POW-SW	Capstan Power Switching Pulse	L/H
67		OUT	P-ON-H	Power On Signal at High	H
68		OUT	DRV-DATA	LED Clock Driver IC Control Data	H/L
69		OUT	DRV-STB	LED Clock Driver IC Chip Select Signal	H/L
70		OUT	DRV-CLK	LED Clock Driver IC Control Clock	H/L
71		OUT	IIC-BUS SCL	I <sup>2</sup> C BUS Control Clock	H/L
72		IN/OUT	IIC-BUS SDA	I <sup>2</sup> C BUS Control Data	H/L
73		-	N.U.	Not Used	-
74		-	N.U.	Not Used	-
75		-	N.U.	Not Used	-
76		OUT	C-CONT	Capstan Motor Control Signal	PWM
77		OUT	D-CONT	Drum Motor Control Signal	PWM
78		OUT	C-F/R	Capstan Motor FWD/REV Control Signal (FWD="L"/REV="H")	H/L
79		IN	S-REEL	Supply Reel Rotation Signal	PULSE
80		IN	T-REEL	Take Up Reel Rotation Signal	PULSE
81		OUT	LM-FWD/REV	Loading Motor Control Signal	H/L/Hi-z
82		-	N.U.	Not Used	-
83		OUT	A-MUTE	Audio Mute Control Signal	H
84		OUT	FF/REW-L	CTL Frequency Characteristics Switching Signal (FF/REW="L")	L
85		-	N.U.	Not Used	-

<b>Pin No.</b>	<b>Mark</b>	<b>IN/OUT</b>	<b>Signal Name</b>	<b>Function</b>	<b>Active Level</b>
86		IN	P-DOWN-L	Power Voltage Down Detector Signal	L
87		IN	C-FG	Capstan Motor Rotation Detection Pulse	PULSE
88		-	N.U.	Not Used	-
89		-	N.U.	Not Used	-
90		IN	D-PFG	Drum Motor Pulse Generator	PULSE
91		-	AMPVREF OUT	V-Ref for CTL AMP	-
92		-	AMPVREF IN	V-Ref for CTL AMP	-
93		-	P80/C	P80/C Terminal	-
94		IN/OUT	CTL (-)	Playback/Record Control Signal (-)	H/L
95		IN/OUT	CTL (+)	Playback/Record Control Signal (+)	H/L
96		-	AMPC	CTL AMP Connected Terminal	-
97		-	CTLAMP out	To Monitor for CTL AMP Output	PULSE
98		-	AMPVcc	AMPVcc	-
99		-	AVcc	A/D Converter Power Input/Standard Voltage Input	-
100		IN	AGC	IF AGC Comparator Signal	A/D

**Notes:**

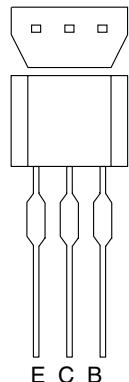
Abbreviation for Active Level:

PWM -----Pulse Wide Modulation

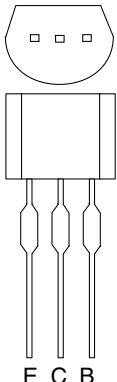
A/D-----Analog - Digital Converter

# LEAD IDENTIFICATIONS

[ VR750/ (02, 07, 16, 58), VR752/ (07, 16, 58) ]

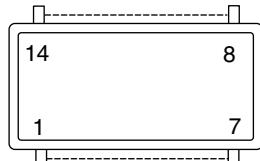


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BA1F4M-T  
BN1F4M-T  
BN1L4M-T  
KRA103M  
KRA104M  
KRC103M  
KTA1266(GR)  
KTA1281(Y)  
KTC3199(BL,GR,Y)

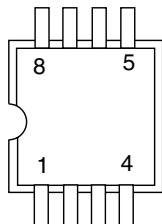


2SA1015-GR(TPE2)  
2SA1020(Y)  
2SC1815-BL(TPE2)  
2SC1815-GR(TPE2)  
2SC1815-Y(TPE2)  
2SC2120-Y(TPE2)  
2SC3266-Y(TPE2)  
KTA1267(GR,Y)  
KTC3203(Y)  
KTC3205(Y)

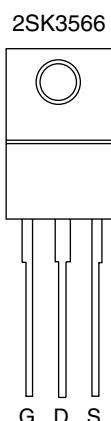
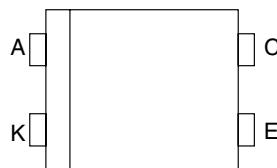
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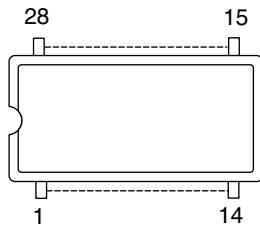
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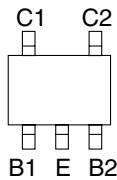
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EL817B  
EL817C  
LTV-817B-F  
LTV-817C-F  
PS2561A-1(Q,W)



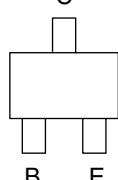
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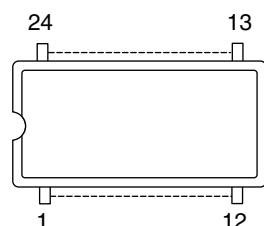
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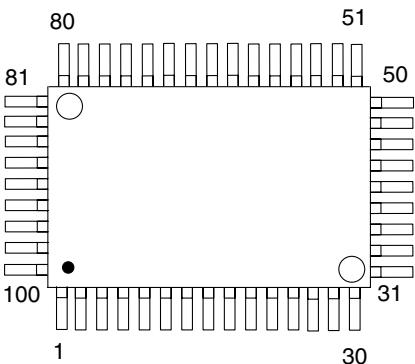
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KTA1504GR-RTK  
KTA1504Y-RTK  
KTC3875Y-RTK



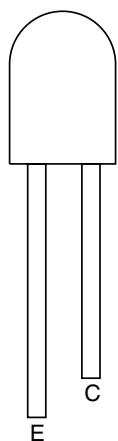
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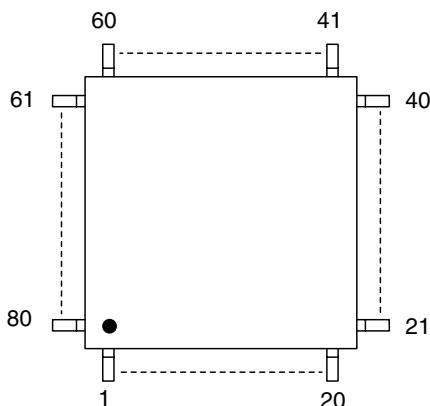
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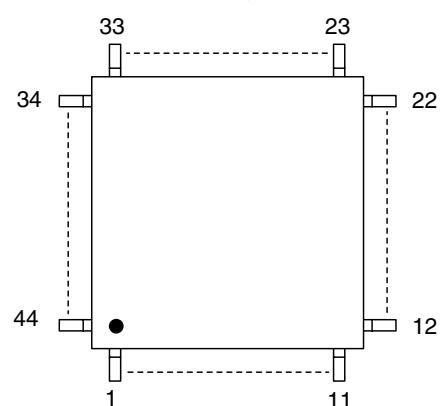
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LA72648M-MPB-E



MSP3407G-QG-B8  
MSP3407G-QG-B8-V3  
MSP3417G-QG-B8  
MSP3417G-QG-B8-V3



**Note:**  
A: Anode  
K: Cathode  
E: Emitter  
C: Collector  
B: Base  
R: Reference  
S: Source  
G: Gate  
D: Drain

**PRODUCT SAFETY NOTE:** Products marked with a ▲

have special characteristics important to safety.  
Before replacing any of these components, read carefully  
the product safety notice in this service manual.  
Don't degrade the safety of the product through improper servicing.

**NOTES:**

Parts that not assigned part numbers (-----) are not available.

Tolerance of Capacitors and Resistors are noted with the following symbols.

C.....±0.25% D.....±0.5% F.....±1%  
G.....±2% J.....±5% K.....±10%  
M.....±20% N.....±30% Z.....+80/-20%

ELECTRICAL PARTS LIST				VR750/02	VR750/07	VR750/16	VR750/58	VR752/07	VR752/16	VR752/58
Pos.	▲	12 NC	Description							
Consists of the following										
			MAIN CBA (MCV-A)	1	1	1	1	1	1	1
			SUB JACK CBA (MCV-B)	1	1	1	1	1	1	1
			JACK CBA (MCV-C)	1	1	1	1	1	1	1
			SENSOR CBA	1	1	1	1	1	1	1
			AFV CBA	1	1	1	1	1	1	1
MAIN CBA (MCV-A)										
2B7		9965 000 23353	SHIELD ASSEMBLY HG470ED	1	1	1	1	1	1	1
2B8		9965 000 08566	BUSH, LED(F) H3700UD	1	1	1	1	1	1	1
2B46		9965 000 12173	ROHM HOLDER H7770JD	1	1	1	1	1	1	1
A4		9965 000 17148	JACK BOARD(U27 FTZ) HE480ED		1	1	1	1	1	1
AC001	▲	9965 000 08666	AC CORD PE8B2CG1H0A-057	1		1	1		1	1
AC001	▲	9965 000 12174	AC CORD PQ8B1V51H0A-05B		1			1		
CAPACITORS										
C002	▲	9965 000 06521	METALLIZED FILM CAP. 0.068UF/250V K	1	1	1	1	1	1	1
C003	▲	9965 000 23354	SAFTY CAP. 2200PF/250V	1	1	1	1	1	1	1
C004		4822 124 80025	ELECTROLYTIC CAP. 33UF/400V M(L.Z)	1	1	1	1	1	1	1
C005		4822 126 14142	CERAMIC CAP. B K 0.01UF/500V	1	1	1	1	1	1	1
C006		4822 126 14141	CERAMIC CAP. SL K 56PF/1KV	1	1	1	1	1	1	1
C007			CERAMIC CAP.(AX) B K 1000PF/50V	1	1	1	1	1	1	1
C008			CERAMIC CAP.(AX) X K 5600PF/16V	1	1	1	1	1	1	1
C010			FILM CAP.(P) 0.022UF/50V J	1	1	1	1	1	1	1
C011			ELECTROLYTIC CAP. 10UF/16V M H7	1	1	1	1	1	1	1
C012			ELECTROLYTIC CAP. 10UF/50V M H7	1	1	1	1	1	1	1
C014			ELECTROLYTIC CAP. 470UF/35V M	1	1	1	1	1	1	1
C017			ELECTROLYTIC CAP. 470UF/16V M	1	1	1	1	1	1	1
C018			ELECTROLYTIC CAP. 100UF/16V M	1	1	1	1	1	1	1
C020			ELECTROLYTIC CAP. 1000UF/16V M	1	1	1	1	1	1	1
C021			ELECTROLYTIC CAP. 470UF/10V M	1	1	1	1	1	1	1
C025			CHIP CERAMIC CAP.(1608) B K 0.01UF/50V	1	1	1	1	1	1	1
C026			ELECTROLYTIC CAP. 47UF/16V M H7	1	1	1	1	1	1	1
C053			ELECTROLYTIC CAP. 330UF/6.3V M H7	1	1	1	1	1	1	1
C056			CHIP CERAMIC CAP.(1608) B K 0.047UF/50V	1	1	1	1	1	1	1
C057			CHIP CERAMIC CAP.(1608) CH J 470PF/50V	1	1	1	1	1	1	1
C060			ELECTROLYTIC CAP. 10UF/16V M H7	1	1	1	1	1	1	1
C061			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1

## ELECTRICAL PARTS LIST

Pos.	▲	12 NC	Description	VR750/02	VR750/07	VR750/16	VR750/58	VR752/07	VR752/16	VR752/58
C157			ELECTROLYTIC CAP. 1UF/50V M H7	1	1	1	1	1	1	1
C158			CHIP CERAMIC CAP. B K 1000PF/50V	1	1	1	1	1	1	1
C251			ELECTROLYTIC CAP. 10UF/16V M H7	1	1	1	1	1	1	1
C252			CHIP CERAMIC CAP. B K 1000PF/50V	1	1	1	1	1	1	1
C253			ELECTROLYTIC CAP. 1UF/50V M H7	1	1	1	1	1	1	1
C254			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C302			CHIP CERAMIC CAP.(1608) B K 0.022UF/50V	1	1	1	1	1	1	1
C303			ELECTROLYTIC CAP. 1UF/50V M H7	1	1	1	1	1	1	1
C304			ELECTROLYTIC CAP. 1UF/50V M H7	1	1	1	1	1	1	1
C305			CHIP CERAMIC CAP. F Z 0.22UF/16V	1	1	1	1	1	1	1
C307			CHIP CERAMIC CAP.(1608) B K 0.047UF/50V	1	1	1	1	1	1	1
C308			CHIP CERAMIC CAP.(1608) B K 0.022UF/50V	1	1	1	1	1	1	1
C309			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C310			CHIP CERAMIC CAP.(1608) B K 0.047UF/50V	1	1	1	1	1	1	1
C311			CHIP CERAMIC CAP.(1608) B K 0.022UF/50V				1			1
C312			CHIP CERAMIC CAP. B K 8200PF/50V	1	1	1	1	1	1	1
C313			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C314			CHIP CERAMIC CAP.(1608) B K 0.01UF/50V	1	1	1	1	1	1	1
C315			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C316			CHIP CERAMIC CAP.(1608) B K 0.01UF/50V	1	1	1	1	1	1	1
C317			ELECTROLYTIC CAP. 47UF/6.3V M H7	1	1	1	1	1	1	1
C318			ELECTROLYTIC CAP. 1UF/50V M H7	1	1	1	1	1	1	1
C319			ELECTROLYTIC CAP. 1UF/50V M H7	1	1	1	1	1	1	1
C320			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C321			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C322			ELECTROLYTIC CAP. 10UF/16V M H7	1	1	1	1	1	1	1
C323			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C324			CHIP CERAMIC CAP. CH J 68PF/50V	1	1	1	1	1	1	1
C325			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C326			CHIP CERAMIC CAP. CH J 68PF/50V	1	1	1	1	1	1	1
C327			ELECTROLYTIC CAP. 0.47UF/50V M H7	1	1	1	1	1	1	1
C328			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C329			CHIP CERAMIC CAP. CH J 68PF/50V	1	1	1	1	1	1	1
C330			CERAMIC CAP.(AX) F Z 0.1UF/50V	1	1	1	1	1	1	1
C332			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C333			ELECTROLYTIC CAP. 0.47UF/50V M H7	1	1	1	1	1	1	1
C334			ELECTROLYTIC CAP. 4.7UF/25V M NP H7	1	1	1	1	1	1	1
C335			ELECTROLYTIC CAP. 10UF/16V M H7	1	1	1	1	1	1	1
C336			CHIP CERAMIC CAP.(1608) CH J 1000PF/50V	1	1	1	1	1	1	1
C337			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C338			ELECTROLYTIC CAP. 100UF/6.3V H7	1	1	1	1	1	1	1
C339			ELECTROLYTIC CAP. 1UF/50V M H7	1	1	1	1	1	1	1
C340			CHIP CERAMIC CAP. CH J 120PF/50V	1	1	1	1	1	1	1
C341			CHIP CERAMIC CAP. CH J 220PF/50V	1	1	1	1	1	1	1
C342			ELECTROLYTIC CAP. 1UF/50V M H7	1	1	1	1	1	1	1
C343			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C345			CHIP CERAMIC CAP. CH J 68PF/50V	1	1	1	1	1	1	1
C346			CHIP CERAMIC CAP. CH J 68PF/50V	1	1	1	1	1	1	1
C347			CHIP CERAMIC CAP. CH D 10PF/50V	1	1	1	1	1	1	1
C351			ELECTROLYTIC CAP. 220UF/6.3V M H7	1	1	1	1	1	1	1
C352			ELECTROLYTIC CAP. 100UF/16V M H7	1	1	1	1	1	1	1
C401			ELECTROLYTIC CAP. 47UF/6.3V M H7	1	1	1	1	1	1	1
C402			ELECTROLYTIC CAP. 220UF/6.3V M H7	1	1	1	1	1	1	1
C403			CERAMIC CAP. B K 470PF/100V	1	1	1	1	1	1	1
C404			FILM CAP.(P) 0.018UF/100V J	1	1	1	1	1	1	1
C411			CHIP CERAMIC CAP. B K 1000PF/50V	1	1	1	1	1	1	1
C412			CHIP CERAMIC CAP. B K 1800PF/50V	1	1	1	1	1	1	1
C414			CHIP CERAMIC CAP.(1608) B K 0.01UF/50V	1	1	1	1	1	1	1

## ELECTRICAL PARTS LIST

Pos.	▲	12 NC	Description	VR750/02	VR750/07	VR750/16	VR750/58	VR752/07	VR752/16	VR752/58
C415			ELECTROLYTIC CAP. 10UF/16V M H7	1	1	1	1	1	1	1
C416			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C417			CHIP CERAMIC CAP.(1608) B K 0.022UF/50V	1	1	1	1	1	1	1
C418			CHIP CERAMIC CAP.(1608) CH J 33PF/50V	1	1	1	1	1	1	1
C419			CHIP CERAMIC CAP.(1608) B K 4700PF/50V	1	1	1	1	1	1	1
C421			ELECTROLYTIC CAP. 33UF/6.3V M H7	1	1	1	1	1	1	1
C422			ELECTROLYTIC CAP. 4.7UF/25V M H7	1	1	1	1	1	1	1
C424			ELECTROLYTIC CAP. 22UF/6.3V M H7	1	1	1	1	1	1	1
C425			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C428			CHIP CERAMIC CAP. CH J 220PF/50V	1	1	1	1	1	1	1
C430			ELECTROLYTIC CAP. 47UF/6.3V M H7	1	1	1	1	1	1	1
C451			ELECTROLYTIC CAP. 47UF/16V M H7	1	1	1	1	1	1	1
C452			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C453			ELECTROLYTIC CAP. 10UF/16V M H7	1	1	1	1	1	1	1
C454			ELECTROLYTIC CAP. 22UF/10V M H7	1	1	1	1	1	1	1
C455			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C456			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C457			ELECTROLYTIC CAP. 10UF/16V M H7	1	1	1	1	1	1	1
C458			ELECTROLYTIC CAP. 4.7UF/25V M H7	1	1	1	1	1	1	1
C459			CHIP CERAMIC CAP.(1608) B K 0.01UF/50V	1	1	1	1	1	1	1
C460			CHIP CERAMIC CAP.(1608) B K 4700PF/50V	1	1	1	1	1	1	1
C461			ELECTROLYTIC CAP. 22UF/10V M H7	1	1	1	1	1	1	1
C462			CHIP CERAMIC CAP.(1608) B K 0.01UF/50V	1	1	1	1	1	1	1
C463			CHIP CERAMIC CAP.(1608) B K 0.01UF/50V	1	1	1	1	1	1	1
C464			ELECTROLYTIC CAP. 10UF/16V M H7	1	1	1	1	1	1	1
C465			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C466			ELECTROLYTIC CAP. 220UF/6.3V M H7	1	1	1	1	1	1	1
C467			ELECTROLYTIC CAP. 22UF/10V M H7	1	1	1	1	1	1	1
C468			CHIP CERAMIC CAP.(1608) B K 4700PF/50V	1	1	1	1	1	1	1
C469			CHIP CERAMIC CAP.(1608) B K 0.01UF/50V	1	1	1	1	1	1	1
C470			ELECTROLYTIC CAP. 4.7UF/25V M H7	1	1	1	1	1	1	1
C471			ELECTROLYTIC CAP. 10UF/16V M H7	1	1	1	1	1	1	1
C472			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C473			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C474			ELECTROLYTIC CAP. 22UF/6.3V M H7	1	1	1	1	1	1	1
C475			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C476			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C477			ELECTROLYTIC CAP. 10UF/16V M H7	1	1	1	1	1	1	1
C478			ELECTROLYTIC CAP. 4.7UF/25V M H7	1	1	1	1	1	1	1
C479			ELECTROLYTIC CAP. 4.7UF/25V M H7	1	1	1	1	1	1	1
C480			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C481			ELECTROLYTIC CAP. 4.7UF/25V M H7	1	1	1	1	1	1	1
C482			ELECTROLYTIC CAP. 4.7UF/25V M H7	1	1	1	1	1	1	1
C483			ELECTROLYTIC CAP. 4.7UF/25V M H7	1	1	1	1	1	1	1
C484			ELECTROLYTIC CAP. 10UF/16V M H7	1	1	1	1	1	1	1
C485			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C486			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C489			CHIP CERAMIC CAP. B K 2200PF/50V	1	1	1	1	1	1	1
C501			ELECTROLYTIC CAP. 220UF/6.3V M H7	1	1	1	1	1	1	1
C502			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C506			CERAMIC CAP.(AX) B K 100PF/50V	1	1	1	1	1	1	1
C508			ELECTROLYTIC CAP. 1UF/50V M H7	1	1	1	1	1	1	1
C510			ELECTROLYTIC CAP. 22UF/10V M H7	1	1	1	1	1	1	1
C511			ELECTROLYTIC CAP. 100UF/6.3V H7	1	1	1	1	1	1	1
C512			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C513			CHIP CERAMIC CAP.(1608) CH J 22PF/50V	1	1	1	1	1	1	1
C514			CHIP CERAMIC CAP.(1608) CH J 22PF/50V	1	1	1	1	1	1	1
C515			CHIP CERAMIC CAP. CH J 18PF/50V	1	1	1	1	1	1	1

## ELECTRICAL PARTS LIST

Pos.	▲	12 NC	Description	VR750/02	VR750/07	VR750/16	VR750/58	VR752/07	VR752/16	VR752/58
C516			CHIP CERAMIC CAP. CH J 18PF/50V	1	1	1	1	1	1	1
C517			CHIP CERAMIC CAP.(1608) B K 4700PF/50V	1	1	1	1	1	1	1
C518			CHIP CERAMIC CAP.(1608) B K 0.047UF/50V	1	1	1	1	1	1	1
C519			CHIP CERAMIC CAP.(1608) B K 0.01UF/50V	1	1	1	1	1	1	1
C520			CHIP CERAMIC CAP.(1608) CH J 100PF/50V	1	1	1	1	1	1	1
C521			CHIP CERAMIC CAP. CH J 560PF/50V	1	1	1	1	1	1	1
C522			ELECTROLYTIC CAP. 22UF/6.3V M H7	1	1	1	1	1	1	1
C523			CHIP CERAMIC CAP. B K 1000PF/50V	1	1	1	1	1	1	1
C524			CHIP CERAMIC CAP. CH J 330PF/50V	1	1	1	1	1	1	1
C526			CHIP CERAMIC CAP.(1608) B K 4700PF/50V	1	1	1	1	1	1	1
C527			ELECTROLYTIC CAP. 22UF/6.3V M H7	1	1	1	1	1	1	1
C528			CHIP CERAMIC CAP.(1608) B K 0.01UF/50V	1	1	1	1	1	1	1
C530			CERAMIC CAP.(AX) F Z 0.022UF/25V	1	1	1	1	1	1	1
C531			CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1
C532			ELECTROLYTIC CAP. 22UF/6.3V M H7	1	1	1	1	1	1	1
C533			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C535			CHIP CERAMIC CAP.(1608) B K 0.01UF/50V	1	1	1	1	1	1	1
C538			CHIP CERAMIC CAP.(1608) B K 0.022UF/50V	1	1	1	1	1	1	1
C540			ELECTROLYTIC CAP. 470UF/6.3V M	1	1	1	1	1	1	1
C561			CHIP CERAMIC CAP.(1608) B K 0.022UF/50V	1	1	1	1	1	1	1
C562			ELECTROLYTIC CAP. 330UF/6.3V M H7	1	1	1	1	1	1	1
C563			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C564			CHIP CERAMIC CAP.(1608) CH J 100PF/50V	1	1	1	1	1	1	1
C640			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C642			SEMICONDUCTOR CAP. SR K 0.018UF/25V	1	1	1	1	1	1	1
C643			ELECTROLYTIC CAP. 4.7UF/25V M H7	1	1	1	1	1	1	1
C644			ELECTROLYTIC CAP. 47UF/6.3V M H7	1	1	1	1	1	1	1
C645			CHIP CERAMIC CAP.(1608) B K 0.01UF/50V	1	1	1	1	1	1	1
C648			ELECTROLYTIC CAP. 1UF/50V M H7	1	1	1	1	1	1	1
C649			ELECTROLYTIC CAP. 1UF/50V M H7 NP	1	1	1	1	1	1	1
C701			CHIP CERAMIC CAP.(1608) B K 0.047UF/50V	1	1	1	1	1	1	1
C702			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C704			CHIP CERAMIC CAP.(1608) B K 0.01UF/50V	1	1	1	1	1	1	1
C706			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C708			CHIP CERAMIC CAP.(1608) B K 0.01UF/50V	1	1	1	1	1	1	1
C716			CHIP CERAMIC CAP. F Z 0.22UF/16V	1	1	1	1	1	1	1
C717			CHIP CERAMIC CAP. F Z 0.22UF/16V	1	1	1	1	1	1	1
C756			CHIP CERAMIC CAP.(1608) CH J 470PF/50V	1	1	1	1	1	1	1
C757			CHIP CERAMIC CAP.(1608) CH J 470PF/50V	1	1	1	1	1	1	1
C771			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C772			ELECTROLYTIC CAP. 10UF/16V M H7	1	1	1	1	1	1	1
C773			CHIP CERAMIC CAP. B K 1000PF/50V	1	1	1	1	1	1	1
C774			CHIP CERAMIC CAP. B K 1000PF/50V	1	1	1	1	1	1	1
C775			ELECTROLYTIC CAP. 1UF/50V M H7	1	1	1	1	1	1	1
C776			ELECTROLYTIC CAP. 1UF/50V M H7	1	1	1	1	1	1	1
C777			CHIP CERAMIC CAP. CH J 180PF/50V	1	1	1	1	1	1	1
C778			CHIP CERAMIC CAP. CH J 180PF/50V	1	1	1	1	1	1	1
C851			CHIP CERAMIC CAP.(1608) CH J 22PF/50V	1	1	1	1	1	1	1
C852			CHIP CERAMIC CAP.(1608) CH J 22PF/50V	1	1	1	1	1	1	1
C853			CHIP CERAMIC CAP.(1608) B K 4700PF/50V	1	1	1	1	1	1	1
C854			CHIP CERAMIC CAP.(1608) B K 0.01UF/50V	1	1	1	1	1	1	1
C855			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C856			CHIP CERAMIC CAP. CH J 180PF/50V	1	1	1	1	1	1	1
C858			CHIP CERAMIC CAP. CH J 560PF/50V				1			1
C859			ELECTROLYTIC CAP. 47UF/6.3V M H7	1	1	1	1	1	1	1
C862			CHIP CERAMIC CAP.(1608) B K 0.01UF/50V	1	1	1	1	1	1	1
<b>CONNECTORS</b>										
CN701		9965 000 23355	AFV PCB ASSEMBLY CPU2900/G470	1						

## ELECTRICAL PARTS LIST

Pos.	▲	12 NC	Description	VR750/02	VR750/07	VR750/16	VR750/58	VR752/07	VR752/16	VR752/58
CN701		9965 000 23385	AFV PCB ASSEMBLY CPU2900/G471	1	1	1	1	1	1	1
<b>DIODES</b>										
D001		4822 130 31933	RECTIFIER DIODE 1N4005	1	1	1	1	1	1	1
D002		4822 130 31933	RECTIFIER DIODE 1N4005	1	1	1	1	1	1	1
D003		4822 130 31933	RECTIFIER DIODE 1N4005	1	1	1	1	1	1	1
D004		4822 130 31933	RECTIFIER DIODE 1N4005	1	1	1	1	1	1	1
D005		5322 130 34979	RECTIFIER DIODE BA159	1	1	1	1	1	1	1
D006		4822 130 30621	SWITCHING DIODE 1N4148M	1	1	1	1	1	1	1
D007		4822 130 30621	SWITCHING DIODE 1N4148M	1	1	1	1	1	1	1
D008		4822 130 30621	SWITCHING DIODE 1N4148M	1	1	1	1	1	1	1
D009		4822 130 30621	SWITCHING DIODE 1N4148M	1	1	1	1	1	1	1
D011		4822 130 11654	RECTIFIER DIODE BA158	1	1	1	1	1	1	1
D012		4822 130 83883	RECTIFIER DIODE FR202-B/P	1	1	1	1	1	1	1
D013		4822 130 83883	RECTIFIER DIODE FR202-B/P	1	1	1	1	1	1	1
D014		4822 130 32715	SCHOTTKY BARRIER DIODE SB340	1	1	1	1	1	1	1
D015		9965 000 23356	ZENER DIODE DZ-18BSBT265	1	1	1	1	1	1	1
D018		4822 130 30621	SWITCHING DIODE 1N4148M	1	1	1	1	1	1	1
D019		9965 000 14881	ZENER DIODE DZ-6.8BSBT265	1	1	1	1	1	1	1
D021		4822 130 30621	SWITCHING DIODE 1N4148M	1	1	1	1	1	1	1
D051		4822 130 31933	RECTIFIER DIODE 1N4005	1	1	1	1	1	1	1
D052		4822 130 31933	RECTIFIER DIODE 1N4005	1	1	1	1	1	1	1
D053		4822 130 31933	RECTIFIER DIODE 1N4005	1	1	1	1	1	1	1
D055			PCB JUMPER D0.6-P10.0	1	1	1	1	1	1	1
D056		9965 000 08649	ZENER DIODE DZ-5.6BSCT265	1	1	1	1	1	1	1
D057		9965 000 09283	ZENER DIODE DZ-10BSBT265	1	1	1	1	1	1	1
D058		9965 000 23356	ZENER DIODE DZ-18BSBT265	1	1	1	1	1	1	1
D153		9965 000 12178	ZENER DIODE DZ-11BSAT265	1	1	1	1	1	1	1
D154		9965 000 12178	ZENER DIODE DZ-11BSAT265	1	1	1	1	1	1	1
D155		9965 000 12178	ZENER DIODE DZ-11BSAT265	1	1	1	1	1	1	1
D156		9965 000 12178	ZENER DIODE DZ-11BSAT265	1	1	1	1	1	1	1
D301		4822 130 30621	SWITCHING DIODE 1N4148M	1	1	1	1	1	1	1
D501		4822 130 30621	SWITCHING DIODE 1N4148M	1	1	1	1	1	1	1
D502		9965 000 05250	LED SIR-563ST3F P	1	1	1	1	1	1	1
D552		4822 130 10094	ZENER DIODE MTZJT-777.5A	1	1	1	1	1	1	1
D553		4822 130 30621	SWITCHING DIODE 1N4148M	1	1	1	1	1	1	1
D701		9965 000 09183	ZENER DIODE DZ-33BSDT265	1	1	1	1	1	1	1
F001	▲	4822 070 31602	FUSE T1.6AL/250V	1	1	1	1	1	1	1
FH001		4822 256 10461	FUSE HOLDER MSF-015	1	1	1	1	1	1	1
FH002		4822 256 10461	FUSE HOLDER MSF-015	1	1	1	1	1	1	1
FP562		9965 000 23357	LED DISPLAY LFU-4421-2003A	1	1	1	1	1	1	1
<b>IC's</b>										
IC001	▲	4822 130 11655	PHOTOCOUPLER LTV-817B-F	1	1	1	1	1	1	1
IC301		9965 000 12180	IC:Y/C/A LA71750EM-MPB-E	1	1	1	1	1	1	1
IC451		9965 000 16618	IC:HIFI LA72648M-MPB-E	1	1	1	1	1	1	1
IC501		9965 000 23380	SYS CON IC M3776AMFA-AA1GP	1	1	1	1	1	1	1
IC503		9965 000 16620	IC:EEPROM CAT24WC02JI	1	1	1	1	1	1	1
IC561		9965 000 12183	IC:LED DRIVER PT6958-FN-TP	1	1	1	1	1	1	1
IC640		9965 000 12198	IC:VPS/PDC SLICER LC74793JM-TRM	1	1	1	1	1	1	1
IC771		9965 000 12184	IC:COMPARATOR KIA339F EL	1	1	1	1	1	1	1
<b>COILS</b>										
J902		4822 526 10685	BEAD CORE B16 RH 3.5X10X1.3	1	1	1	1	1	1	1
JK756		4822 265 11659	RCA JACK(YELLOW) MSP-281V4-B	1	1	1	1	1	1	1
JK757		4822 265 11661	RCA JACK(WHITE) MSP-281V1-B	1	1	1	1	1	1	1
JK758		9965 000 00423	RCA JACK(RED) MSP-281V3-A	1	1	1	1	1	1	1
JW001		9965 000 13795	FLAT CABLE, 11P AWG26#2651/P1.25/150	1	1	1	1	1	1	1
JW002		9965 000 13795	FLAT CABLE, 11P AWG26#2651/P1.25/150	1	1	1	1	1	1	1
L001		4822 526 10685	BEAD CORE B16 RH 3.5X10X1.3	1	1	1	1	1	1	1
L002		4822 526 10685	BEAD CORE B16 RH 3.5X10X1.3	1	1	1	1	1	1	1

## ELECTRICAL PARTS LIST

Pos.	▲	12 NC	Description	VR750/02	VR750/07	VR750/16	VR750/58	VR752/07	VR752/16	VR752/58
L003	▲	9965 000 13005	LINE FILTER 56MH TLF14CB5630R2	1	1	1	1	1	1	1
L009		9965 000 05627	CHOKE COIL 47UH-K	1	1	1	1	1	1	1
L010		9965 000 05627	CHOKE COIL 47UH-K	1	1	1	1	1	1	1
L012		9965 000 13681	INDUCTOR 100UH-J-5FT	1	1	1	1	1	1	1
L251		9965 000 08652	INDUCTOR 5.6UH-K-26T	1	1	1	1	1	1	1
L301		4822 157 10649	INDUCTOR(100UH K) LAP02TA101K	1	1	1	1	1	1	1
L403		9965 000 05705	INDUCTOR 47UH-K-5FT	1	1	1	1	1	1	1
L451		9965 000 05705	INDUCTOR 47UH-K-5FT	1	1	1	1	1	1	1
L452		9965 000 16621	INDUCTOR 27UH-K-5FT	1	1	1	1	1	1	1
L501		4822 157 10649	INDUCTOR(100UH K) LAP02TA101K	1	1	1	1	1	1	1
L561		9965 000 05704	INDUCTOR 68UH-K-26T	1	1	1	1	1	1	1
L562		4822 157 63316	INDUCTOR 56UH-K-26T	1	1	1	1	1	1	1
L701			PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1
L703			PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1
L704		4822 157 11511	INDUCTOR 15UH-K-26T	1	1	1	1	1	1	1
L851		9965 000 08629	INDUCTOR 1.8UH-K-26T	1	1	1	1	1	1	1
PS503		9965 000 12189	PHOTO INTERRUPTER RPI-302C70	1	1	1	1	1	1	1
<b>TRANSISTORS</b>										
Q001		9965 000 17186	FET 2SK3566	1	1	1	1	1	1	1
Q002		4822 130 10923	TRANSISTOR KTC3199(BL)	1	1	1	1	1	1	1
Q003		4822 130 10923	TRANSISTOR KTC3199(BL)	1	1	1	1	1	1	1
Q004		4822 130 10462	TRANSISTOR KTA1267(GR)	1	1	1	1	1	1	1
Q051		4822 130 42292	RES. BUILT-IN TRANSISTOR KRA104M	1	1	1	1	1	1	1
Q052		9965 000 23377	RES. BUILT-IN TRANSISTOR KRC103M	1	1	1	1	1	1	1
Q053		4822 130 10103	TRANSISTOR KTC3199(Y)	1	1	1	1	1	1	1
Q054		9965 000 11122	TRANSISTOR KTC3205(Y)	1	1	1	1	1	1	1
Q055		4822 130 42959	TRANSISTOR KTA1266(GR)	1	1	1	1	1	1	1
Q056		4822 130 10145	RES. BUILT-IN TRANSISTOR KRA103M	1	1	1	1	1	1	1
Q057		9965 000 12190	TRANSISTOR KTA1281(Y)	1	1	1	1	1	1	1
Q058		9965 000 23377	RES. BUILT-IN TRANSISTOR KRC103M	1	1	1	1	1	1	1
Q059		9965 000 23377	RES. BUILT-IN TRANSISTOR KRC103M	1	1	1	1	1	1	1
Q153		4822 130 10103	TRANSISTOR KTC3199(Y)	1	1	1	1	1	1	1
Q351		9965 000 16622	CHIP TRANSISTOR KTA1504GR-RTK	1	1	1	1	1	1	1
Q352		4822 130 10103	TRANSISTOR KTC3199(Y)	1	1	1	1	1	1	1
Q401		4822 130 42959	TRANSISTOR KTA1266(GR)	1	1	1	1	1	1	1
Q402		4822 130 42292	TRANSISTOR KTC3203(Y)	1	1	1	1	1	1	1
Q403		4822 130 10145	RES. BUILT-IN TRANSISTOR KRA103M	1	1	1	1	1	1	1
Q405		9965 000 16623	CHIP TRANSISTOR FMG4A T148	1	1	1	1	1	1	1
Q406		9965 000 13683	CHIP TRANSISTOR KTC3875Y-RTK	1	1	1	1	1	1	1
Q451		9965 000 16624	CHIP TRANSISTOR KRC103S RTK	1	1	1	1	1	1	1
Q501		4822 130 10923	TRANSISTOR KTC3199(BL)	1	1	1	1	1	1	1
Q503		9965 000 08630	PHOTO TRANSISTOR PT204-6B-12	1	1	1	1	1	1	1
Q551		4822 130 10923	TRANSISTOR KTC3199(BL)	1	1	1	1	1	1	1
Q552		9965 000 23377	RES. BUILT-IN TRANSISTOR KRC103M	1	1	1	1	1	1	1
Q771		4822 130 10103	TRANSISTOR KTC3199(Y)	1	1	1	1	1	1	1
Q772		4822 130 10103	TRANSISTOR KTC3199(Y)	1	1	1	1	1	1	1
<b>RESISTOR</b>										
R001		9965 000 08653	CARBON RES. 1/2W K 5.6M OHM	1	1	1	1	1	1	1
R002		9965 000 08635	METAL OXIDE FILM RES. 1W J 150K OHM	1	1	1	1	1	1	1
R003			CARBON RES. 1/4W J 1M OHM	1	1	1	1	1	1	1
R004			CARBON RES. 1/4W J 1M OHM	1	1	1	1	1	1	1
R005			CARBON RES. 1/6W G 680 OHM	1	1	1	1	1	1	1
R006			METAL OXIDE FILM RES. 1W J 1.8 OHM	1	1	1	1	1	1	1
R007			CARBON RES. 1/6W J 22K OHM	1	1	1	1	1	1	1
R008			CARBON RES. 1/6W J 100K OHM	1	1	1	1	1	1	1
R009			CARBON RES. 1/6W G 3.3K OHM	1	1	1	1	1	1	1
R011			CARBON RES. 1/4W J 390K OHM	1	1	1	1	1	1	1
R012			CARBON RES. 1/4W J 390K OHM	1	1	1	1	1	1	1

## ELECTRICAL PARTS LIST

Pos.	▲	12 NC	Description	VR750/02	VR750/07	VR750/16	VR750/58	VR752/07	VR752/16	VR752/58
R013			CARBON RES. 1/6W J 470K OHM	1	1	1	1	1	1	1
R014			CARBON RES. 1/6W J 100K OHM	1	1	1	1	1	1	1
R015			CHIP RES.(1608) 1/10W J 10K OHM	1	1	1	1	1	1	1
R016			CARBON RES. 1/6W J 100K OHM	1	1	1	1	1	1	1
R017			CHIP RES.(1608) 1/10W J 220K OHM	1	1	1	1	1	1	1
R018			CHIP RES.(1608) 1/10W J 22K OHM	1	1	1	1	1	1	1
R021			CHIP RES.(1608) 1/10W J 1K OHM	1	1	1	1	1	1	1
R022			CHIP RES.(1608) 1/10W J 4.7K OHM	1	1	1	1	1	1	1
R023			CHIP RES.(1608) 1/10W F 2.2K OHM	1	1	1	1	1	1	1
R024			CHIP RES.(1608) 1/10W J 33K OHM	1	1	1	1	1	1	1
R025			CHIP RES.(1608) 1/10W F 3.3K OHM	1	1	1	1	1	1	1
R026			CHIP RES.(1608) 1/10W J 22K OHM	1	1	1	1	1	1	1
R027			CARBON RES. 1/6W J 1K OHM	1	1	1	1	1	1	1
R028			CARBON RES. 1/4W J 1M OHM	1	1	1	1	1	1	1
R030			CHIP RES.(1608) 1/10W F 2.2K OHM	1	1	1	1	1	1	1
R031			CHIP RES.(1608) 1/10W J 56K OHM	1	1	1	1	1	1	1
R032			CHIP RES.(1608) 1/10W J 1.8K OHM	1	1	1	1	1	1	1
R053			PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1
R054			CHIP RES.(1608) 1/10W J 180 OHM	1	1	1	1	1	1	1
R058			CARBON RES. 1/6W J 820 OHM	1	1	1	1	1	1	1
R060			CARBON RES. 1/6W J 2.7K OHM	1	1	1	1	1	1	1
R061			CHIP RES.(1608) 1/10W J 22K OHM	1	1	1	1	1	1	1
R062			CARBON RES. 1/6W J 10K OHM	1	1	1	1	1	1	1
R063			CARBON RES. 1/4W J 1.2K OHM	1	1	1	1	1	1	1
R064			CARBON RES. 1/4W J 1.2K OHM	1	1	1	1	1	1	1
R065			CARBON RES. 1/4W J 1.2K OHM	1	1	1	1	1	1	1
R066			CHIP RES.(1608) 1/10W J 47K OHM	1	1	1	1	1	1	1
R067			CARBON RES. 1/4W J 680 OHM	1	1	1	1	1	1	1
R068			CARBON RES. 1/4W J 680 OHM	1	1	1	1	1	1	1
R071			CARBON RES. 1/6W J 3.9K OHM	1	1	1	1	1	1	1
R073			CARBON RES. 1/6W J 1 OHM	1	1	1	1	1	1	1
R158			CHIP RES.(1608) 1/10W J 6.8K OHM	1	1	1	1	1	1	1
R251			CHIP RES.(1608) 1/10W J 2.2K OHM	1	1	1	1	1	1	1
R252			CHIP RES.(1608) 1/10W J 39K OHM	1	1	1	1	1	1	1
R301			CHIP RES.(1608) 1/10W J 1.2K OHM	1	1	1	1	1	1	1
R302			CHIP RES.(1608) 1/10W J 8.2K OHM	1	1	1	1	1	1	1
R303			CHIP RES.(1608) 1/10W J 5.6K OHM				1			1
R304			CHIP RES.(1608) 1/10W J 3.9K OHM				1			1
R305			CHIP RES.(1608) 1/10W J 3.9K OHM	1	1	1	1	1	1	1
R307			CHIP RES.(1608) 1/10W J 4.7K OHM	1	1	1	1	1	1	1
R308			CHIP RES.(1608) 1/10W J 6.8K OHM	1	1	1	1	1	1	1
R309			CHIP RES.(1608) 1/10W J 100 OHM	1	1	1	1	1	1	1
R310			CHIP RES.(1608) 1/10W J 10K OHM	1	1	1	1	1	1	1
R311			CHIP RES.(1608) 1/10W J 18K OHM	1	1	1	1	1	1	1
R312			CHIP RES.(1608) 1/10W J 10K OHM	1	1	1	1	1	1	1
R313			CHIP RES.(1608) 1/10W J 18K OHM	1	1	1	1	1	1	1
R315			CHIP RES.(1608) 1/10W J 2.2K OHM	1	1	1	1	1	1	1
R316			CHIP RES.(1608) 1/10W J 6.8K OHM	1	1	1	1	1	1	1
R317			CHIP RES.(1608) 1/10W J 1.2K OHM	1	1	1	1	1	1	1
R318			CHIP RES.(1608) 1/10W J 4.7K OHM	1	1	1	1	1	1	1
R319			CHIP RES.(1608) 1/10W J 10K OHM	1	1	1	1	1	1	1
R320			CHIP RES.(1608) 1/10W J 1K OHM	1	1	1	1	1	1	1
R321			CARBON RES. 1/6W J 33 OHM	1	1	1	1	1	1	1
R322			CHIP RES.(1608) 1/10W J 75 OHM	1	1	1	1	1	1	1
R323			CARBON RES. 1/6W J 33 OHM	1	1	1	1	1	1	1
R324			CHIP RES.(1608) 1/10W J 47K OHM	1	1	1	1	1	1	1
R325			CHIP RES.(1608) 1/10W J 33 OHM	1	1	1	1	1	1	1
R326			CHIP RES.(1608) 1/10W 0 OHM	1	1	1	1	1	1	1

## ELECTRICAL PARTS LIST

Pos.	▲	12 NC	Description	VR750/02	VR750/07	VR750/16	VR750/58	VR752/07	VR752/16	VR752/58
R330			CHIP RES.(1608) 1/10W J 5.6M OHM	1	1	1	1	1	1	1
R331			CHIP RES.(1608) 1/10W J 10K OHM	1	1	1	1	1	1	1
R332			CHIP RES.(1608) 1/10W 0 OHM	1	1	1	1	1	1	1
R333			CHIP RES.(1608) 1/10W 0 OHM	1	1	1	1	1	1	1
R334			CHIP RES.(1608) 1/10W 0 OHM	1	1	1	1	1	1	1
R351			CHIP RES.(1608) 1/10W J 180 OHM	1	1	1	1	1	1	1
R352			CHIP RES.(1608) 1/10W J 150 OHM	1	1	1	1	1	1	1
R355			CARBON RES. 1/4W J 680 OHM	1	1	1	1	1	1	1
R357			CHIP RES.(1608) 1/10W J 220 OHM	1	1	1	1	1	1	1
R358			CHIP RES.(1608) 1/10W J 1.5K OHM	1	1	1	1	1	1	1
R360			CHIP RES.(1608) 1/10W J 1.8K OHM	1	1	1	1	1	1	1
R361			CHIP RES.(1608) 1/10W J 1K OHM	1	1	1	1	1	1	1
R401			CHIP RES.(1608) 1/10W J 5.6K OHM	1	1	1	1	1	1	1
R402			CHIP RES.(1608) 1/10W J 22K OHM	1	1	1	1	1	1	1
R403			CHIP RES.(1608) 1/10W J 47K OHM	1	1	1	1	1	1	1
R404			CARBON RES. 1/6W J 100 OHM	1	1	1	1	1	1	1
R407			CARBON RES. 1/4W J 820 OHM	1	1	1	1	1	1	1
R408			CHIP RES.(1608) 1/10W J 12K OHM	1	1	1	1	1	1	1
R409			CHIP RES.(1608) 1/10W J 5.6K OHM	1	1	1	1	1	1	1
R411			CHIP RES.(1608) 1/10W J 1K OHM	1	1	1	1	1	1	1
R412			CHIP RES.(1608) 1/10W J 27K OHM	1	1	1	1	1	1	1
R413			CHIP RES.(1608) 1/10W J 330K OHM	1	1	1	1	1	1	1
R414			CHIP RES.(1608) 1/10W J 120 OHM	1	1	1	1	1	1	1
R415			CHIP RES.(1608) 1/10W J 12K OHM	1	1	1	1	1	1	1
R416			CHIP RES.(1608) 1/10W J 1.8K OHM	1	1	1	1	1	1	1
R417			CHIP RES.(1608) 1/10W J 560 OHM	1	1	1	1	1	1	1
R418			CHIP RES.(1608) 1/10W 0 OHM	1	1	1	1	1	1	1
R421			CHIP RES.(1608) 1/10W J 12K OHM	1	1	1	1	1	1	1
R422			CHIP RES.(1608) 1/10W J 10K OHM	1	1	1	1	1	1	1
R425			CHIP RES.(1608) 1/10W J 5.6K OHM	1	1	1	1	1	1	1
R426			CHIP RES.(1608) 1/10W J 4.7K OHM	1	1	1	1	1	1	1
R429			CHIP RES.(1608) 1/10W J 2.2K OHM	1	1	1	1	1	1	1
R430			CHIP RES.(1608) 1/10W 0 OHM	1	1	1	1	1	1	1
R431			CHIP RES.(1608) 1/10W 0 OHM	1	1	1	1	1	1	1
R451			CHIP RES.(1608) 1/10W J 8.2K OHM	1	1	1	1	1	1	1
R452			CHIP RES.(1608) 1/10W J 39K OHM	1	1	1	1	1	1	1
R453			CHIP RES.(1608) 1/10W J 5.6K OHM	1	1	1	1	1	1	1
R454			CHIP RES.(1608) 1/10W J 39K OHM	1	1	1	1	1	1	1
R455			CHIP RES.(1608) 1/10W J 5.6K OHM	1	1	1	1	1	1	1
R456			CHIP RES.(1608) 1/10W J 39K OHM	1	1	1	1	1	1	1
R457			CHIP RES.(1608) 1/10W J 5.6K OHM	1	1	1	1	1	1	1
R458			CHIP RES.(1608) 1/10W 0 OHM	1	1	1	1	1	1	1
R459			CHIP RES.(1608) 1/10W J 39K OHM	1	1	1	1	1	1	1
R460			CHIP RES.(1608) 1/10W J 470 OHM	1	1	1	1	1	1	1
R461			CHIP RES.(1608) 1/10W J 10K OHM	1	1	1	1	1	1	1
R462			CHIP RES.(1608) 1/10W J 2.7K OHM	1	1	1	1	1	1	1
R463			CHIP RES.(1608) 1/10W J 8.2K OHM	1	1	1	1	1	1	1
R464			CHIP RES.(1608) 1/10W J 39K OHM	1	1	1	1	1	1	1
R465			CHIP RES.(1608) 1/10W J 8.2K OHM	1	1	1	1	1	1	1
R466			CHIP RES.(1608) 1/10W J 5.6K OHM	1	1	1	1	1	1	1
R467			CHIP RES.(1608) 1/10W 0 OHM	1	1	1	1	1	1	1
R468			CHIP RES.(1608) 1/10W J 5.6K OHM	1	1	1	1	1	1	1
R469			CHIP RES.(1608) 1/10W J 5.6K OHM	1	1	1	1	1	1	1
R470			CHIP RES.(1608) 1/10W J 39K OHM	1	1	1	1	1	1	1
R471			CHIP RES.(1608) 1/10W J 39K OHM	1	1	1	1	1	1	1
R472			CHIP RES.(1608) 1/10W J 150 OHM	1	1	1	1	1	1	1
R473			CHIP RES.(1608) 1/10W J 150 OHM	1	1	1	1	1	1	1
R474			CHIP RES.(1608) 1/10W J 39K OHM	1	1	1	1	1	1	1

## ELECTRICAL PARTS LIST

Pos.	▲	12 NC	Description	VR750/02	VR750/07	VR750/16	VR750/58	VR752/07	VR752/16	VR752/58
R475			CHIP RES.(1608) 1/10W J 10K OHM	1	1	1	1	1	1	1
R476			CHIP RES.(1608) 1/10W J 33 OHM	1	1	1	1	1	1	1
R477			CHIP RES.(1608) 1/10W J 33 OHM	1	1	1	1	1	1	1
R478			CHIP RES.(1608) 1/10W J 22K OHM	1	1	1	1	1	1	1
R479			CHIP RES.(1608) 1/10W J 6.8K OHM	1	1	1	1	1	1	1
R480			CHIP RES.(1608) 1/10W J 100 OHM	1	1	1	1	1	1	1
R481			CHIP RES.(1608) 1/10W J 100 OHM	1	1	1	1	1	1	1
R501			CHIP RES.(1608) 1/10W J 1K OHM	1	1	1	1	1	1	1
R502			CHIP RES.(1608) 1/10W J 1K OHM	1	1	1	1	1	1	1
R503			CHIP RES.(1608) 1/10W J 1K OHM	1	1	1	1	1	1	1
R504			CHIP RES.(1608) 1/10W J 10K OHM	1	1	1	1	1	1	1
R505			CHIP RES.(1608) 1/10W J 10K OHM	1	1	1	1	1	1	1
R506			CHIP RES.(1608) 1/10W J 10K OHM	1	1	1	1	1	1	1
R508			CHIP RES.(1608) 1/10W J 1K OHM	1	1	1	1	1	1	1
R509			CHIP RES.(1608) 1/10W J 4.7K OHM	1	1	1	1	1	1	1
R510			CHIP RES.(1608) 1/10W J 10K OHM	1	1	1	1	1	1	1
R511			CHIP RES.(1608) 1/10W J 100K OHM	1	1	1	1	1	1	1
R513			CHIP RES.(1608) 1/10W J 2.2K OHM	1	1	1	1	1	1	1
R514			CHIP RES.(1608) 1/10W J 820 OHM	1	1	1	1	1	1	1
R516			CHIP RES.(1608) 1/10W J 330K OHM	1	1	1	1	1	1	1
R517			CHIP RES.(1608) 1/10W J 560 OHM	1	1	1	1	1	1	1
R518			CHIP RES.(1608) 1/10W J 470 OHM	1	1	1	1	1	1	1
R520			CHIP RES.(1608) 1/10W J 10K OHM	1	1	1	1	1	1	1
R521			CHIP RES.(1608) 1/10W J 220K OHM	1	1	1	1	1	1	1
R522			CHIP RES.(1608) 1/10W J 39K OHM	1	1	1	1	1	1	1
R523			CHIP RES.(1608) 1/10W J 10K OHM	1	1	1	1	1	1	1
R524			CHIP RES.(1608) 1/10W J 5.6K OHM	1	1	1	1	1	1	1
R525			CHIP RES.(1608) 1/10W J 1.5K OHM	1	1	1	1	1	1	1
R526			CHIP RES.(1608) 1/10W J 1.8K OHM	1	1	1	1	1	1	1
R527			CHIP RES.(1608) 1/10W J 680 OHM	1	1	1	1	1	1	1
R528			CHIP RES.(1608) 1/10W J 18K OHM	1	1	1	1	1	1	1
R529			CARBON RES. 1/4W J 270 OHM	1	1	1	1	1	1	1
R530			CHIP RES.(1608) 1/10W J 180 OHM	1	1	1	1	1	1	1
R531			CHIP RES.(1608) 1/10W J 68K OHM	1	1	1	1	1	1	1
R533			CHIP RES.(1608) 1/10W J 33K OHM	1	1	1	1	1	1	1
R534			CARBON RES. 1/6W G 3.6K OHM	1	1	1	1	1	1	1
R535			CARBON RES. 1/6W G 10K OHM	1	1	1	1	1	1	1
R536			CARBON RES. 1/6W G 470 OHM	1	1	1	1	1	1	1
R537			CARBON RES. 1/6W G 22K OHM	1	1	1	1	1	1	1
R538			CARBON RES. 1/6W G 1.5K OHM	1	1	1	1	1	1	1
R539			CARBON RES. 1/6W G 4.7K OHM	1	1	1	1	1	1	1
R540			CHIP RES.(1608) 1/10W J 390K OHM	1	1	1	1	1	1	1
R541			CHIP RES.(1608) 1/10W J 390K OHM	1	1	1	1	1	1	1
R542			CHIP RES.(1608) 1/10W J 1.8K OHM	1	1	1	1	1	1	1
R543			CHIP RES.(1608) 1/10W J 1K OHM	1	1	1	1	1	1	1
R544			CHIP RES.(1608) 1/10W J 2.7K OHM	1	1	1	1	1	1	1
R545			CHIP RES.(1608) 1/10W J 2.2K OHM	1	1	1	1	1	1	1
R546			CHIP RES.(1608) 1/10W J 12K OHM	1	1	1	1	1	1	1
R547			CHIP RES.(1608) 1/10W J 1.8K OHM	1	1	1	1	1	1	1
R548			CHIP RES.(1608) 1/10W J 1K OHM	1	1	1	1	1	1	1
R549			CHIP RES.(1608) 1/10W J 1.2K OHM	1	1	1	1	1	1	1
R551			CHIP RES.(1608) 1/10W J 100 OHM	1	1	1	1	1	1	1
R552			CHIP RES.(1608) 1/10W J 10K OHM	1	1	1	1	1	1	1
R553			CARBON RES. 1/4W J 820 OHM	1	1	1	1	1	1	1
R555			CHIP RES.(1608) 1/10W J 10K OHM				1			1
R556			CHIP RES.(1608) 1/10W J 10K OHM	1	1	1		1	1	
R557			CHIP RES.(1608) 1/10W J 10K OHM	1		1			1	
R558			CHIP RES.(1608) 1/10W J 10K OHM		1		1	1		1

## ELECTRICAL PARTS LIST

Pos.	▲	12 NC	Description	VR750/02	VR750/07	VR750/16	VR750/58	VR752/07	VR752/16	VR752/58
R566			CHIP RES.(1608) 1/10W J 56K OHM	1	1	1	1	1	1	1
R616			CHIP RES.(1608) 1/10W J 10K OHM	1	1	1	1	1	1	1
R621			CHIP RES.(1608) 1/10W J 10K OHM	1	1	1	1	1	1	1
R622			CHIP RES.(1608) 1/10W J 10K OHM	1	1	1	1	1	1	1
R638			CHIP RES.(1608) 1/10W J 100 OHM	1	1	1	1	1	1	1
R641			CHIP RES.(1608) 1/10W J 10K OHM	1	1	1	1	1	1	1
R642			CHIP RES.(1608) 1/10W J 2.7K OHM	1	1	1	1	1	1	1
R643			CHIP RES.(1608) 1/10W J 5.6K OHM	1	1	1	1	1	1	1
R644			CHIP RES.(1608) 1/10W J 10K OHM	1	1	1	1	1	1	1
R645			CHIP RES.(1608) 1/10W J 10K OHM	1	1	1	1	1	1	1
R701			CARBON RES. 1/6W J 1.8K OHM	1	1	1	1	1	1	1
R702			CARBON RES. 1/6W J 1K OHM	1	1	1	1	1	1	1
R703			CARBON RES. 1/6W J 1K OHM	1	1	1	1	1	1	1
R706			CHIP RES.(1608) 1/10W J 1K OHM	1	1	1	1	1	1	1
R707			CHIP RES.(1608) 1/10W 0 OHM	1	1	1	1	1	1	1
R756			CHIP RES.(1608) 1/10W 0 OHM	1	1	1	1	1	1	1
R757			CHIP RES.(1608) 1/10W J 75 OHM	1	1	1	1	1	1	1
R758			CHIP RES.(1608) 1/10W J 4.7K OHM	1	1	1	1	1	1	1
R759			CHIP RES.(1608) 1/10W J 4.7K OHM	1	1	1	1	1	1	1
R771			CHIP RES.(1608) 1/10W J 4.7K OHM	1	1	1	1	1	1	1
R772			CHIP RES.(1608) 1/10W J 100K OHM	1	1	1	1	1	1	1
R773			CHIP RES.(1608) 1/10W J 4.7K OHM	1	1	1	1	1	1	1
R774			CHIP RES.(1608) 1/10W J 22K OHM	1	1	1	1	1	1	1
R775			CHIP RES.(1608) 1/10W J 15K OHM	1	1	1	1	1	1	1
R776			CHIP RES.(1608) 1/10W J 8.2K OHM	1	1	1	1	1	1	1
R777			CHIP RES.(1608) 1/10W J 8.2K OHM	1	1	1	1	1	1	1
R778			CHIP RES.(1608) 1/10W J 33K OHM	1	1	1	1	1	1	1
R779			CHIP RES.(1608) 1/10W J 33K OHM	1	1	1	1	1	1	1
R780			CHIP RES.(1608) 1/10W J 33K OHM	1	1	1	1	1	1	1
R781			CHIP RES.(1608) 1/10W J 15K OHM	1	1	1	1	1	1	1
R782			CHIP RES.(1608) 1/10W J 33K OHM	1	1	1	1	1	1	1
R783			CHIP RES.(1608) 1/10W J 15K OHM	1	1	1	1	1	1	1
R784			CHIP RES.(1608) 1/10W J 10M OHM	1	1	1	1	1	1	1
R785			CHIP RES.(1608) 1/10W J 10M OHM	1	1	1	1	1	1	1
R786			CHIP RES.(1608) 1/10W J 2.2K OHM	1	1	1	1	1	1	1
R787			CHIP RES.(1608) 1/10W J 2.2K OHM	1	1	1	1	1	1	1
R851			CHIP RES.(1608) 1/10W J 1.5K OHM	1	1	1	1	1	1	1
R852			CHIP RES.(1608) 1/10W J 1K OHM	1	1	1	1	1	1	1
R853			CHIP RES.(1608) 1/10W J 1K OHM	1	1	1	1	1	1	1
RS501		9965 000 12191	REMOTE RECEIVER MIM-93M9DKF	1	1	1	1	1	1	1
SA001	▲	9965 000 08602	SURGE ABSORBER CNR-10D471K	1	1	1	1	1	1	1
<b>SWITCHES</b>										
SW501		4822 276 13954	TAUT SWITCH KSM0614B	1	1	1	1	1	1	1
SW502		4822 276 13954	TAUT SWITCH KSM0614B	1	1	1	1	1	1	1
SW503		4822 276 13954	TAUT SWITCH KSM0614B	1	1	1	1	1	1	1
SW505		4822 276 13954	TAUT SWITCH KSM0614B	1	1	1	1	1	1	1
SW506		9965 000 16625	LEAF SWITCH MXS01830MVP0	1	1	1	1	1	1	1
SW507		9965 000 23359	ROTARY MODE SWITCH SSS-53MD	1	1	1	1	1	1	1
SW509		4822 276 13954	TAUT SWITCH KSM0614B	1	1	1	1	1	1	1
SW510		4822 276 13954	TAUT SWITCH KSM0614B	1	1	1	1	1	1	1
SW511		4822 276 13954	TAUT SWITCH KSM0614B	1	1	1	1	1	1	1
SW512		4822 276 13954	TAUT SWITCH KSM0614B	1	1	1	1	1	1	1
T001	▲	9965 000 23360	SWITCHING TRANSFORMER 04702	1	1	1	1	1	1	1
TP301			PCB JUMPER D0.6-P10.0	1	1	1	1	1	1	1
TP501			PCB JUMPER D0.6-P6.0	1	1	1	1	1	1	1
TP502			PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1
TP506			PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1
TP507			PCB JUMPER D0.6-P6.0	1	1	1	1	1	1	1

## ELECTRICAL PARTS LIST

Pos.	▲	12 NC	Description	VR750/02	VR750/07	VR750/16	VR750/58	VR752/07	VR752/16	VR752/58
TU701		9965 000 23361	TUNER UNIT TMDG2-661A	1	1				1	
TU701		9965 000 23386	TUNER UNIT TMDG2-662A		1			1		
TU701		9965 000 23391	TUNER UNIT TMDG2-861A			1			1	
VR501		9965 000 05260	CARBON P.O.T. 100K OHM B	1	1	1	1	1	1	1
X301		9965 000 05629	X'TAL 4.433619MHZ	1	1	1	1	1	1	1
X501		9965 000 12194	X'TAL 12.000MHZ	1	1	1	1	1	1	1
X502		9965 000 12288	X'TAL 32.768KHZ(20PPM)	1	1	1	1	1	1	1
<b>SUB JACK CBA (MCV-B)</b>										
<b>CAPACITORS</b>										
C751			CHIP CERAMIC CAP. B K 2200PF/50V	1	1	1	1	1	1	1
C752			CHIP CERAMIC CAP. B K 2200PF/50V	1	1	1	1	1	1	1
<b>CONNECTORS</b>										
JK751		9965 000 13039	RCA JACK MSP-282V-12 PBSN	1	1	1	1	1	1	1
JW003		9965 000 17800	FLAT CABLE, 3P AWG26#2651/P2.0/200	1	1	1	1	1	1	1
<b>RESISTORS</b>										
R751			CHIP RES.(1608) 1/10W J 820 OHM	1	1	1	1	1	1	1
R752			CHIP RES.(1608) 1/10W J 820 OHM	1	1	1	1	1	1	1
<b>JACK CBA (MCV-C)</b>										
2L022		4822 502 30752	SCREW, P-TIGHT M3X10 WASHER HEAD+	1	1	1	1	1	1	1
A5		9965 000 17151	JACK BOARD(2-21P) HE480ED	1	1	1	1			
A5		9965 000 17158	JACK BOARD 21P,BLACK HE485BD					1	1	1
<b>CAPACITORS</b>										
C101			CHIP CERAMIC CAP. B K 2200PF/50V	1	1	1	1	1	1	1
C102			CHIP CERAMIC CAP. B K 2200PF/50V	1	1	1	1	1	1	1
C103			CHIP CERAMIC CAP.(1608) CH J 470PF/50V	1	1	1	1	1	1	1
C104			CHIP CERAMIC CAP.(1608) CH J 470PF/50V	1	1	1	1	1	1	1
C105			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C107			ELECTROLYTIC CAP. 1UF/50V M H7	1	1	1	1	1	1	1
C108			CHIP CERAMIC CAP. B K 1000PF/50V	1	1	1	1	1	1	1
C109			CHIP CERAMIC CAP. B K 2200PF/50V	1	1	1	1	1	1	1
C110			CHIP CERAMIC CAP. B K 2200PF/50V	1	1	1	1	1	1	1
C111			CHIP CERAMIC CAP.(1608) CH J 470PF/50V	1	1	1	1	1	1	1
C112			CHIP CERAMIC CAP.(1608) CH J 470PF/50V	1	1	1	1	1	1	1
C113			CHIP CERAMIC CAP. B K 2200PF/50V	1	1	1	1	1	1	1
C115			ELECTROLYTIC CAP. 100UF/16V M H7	1	1	1	1	1	1	1
C116			ELECTROLYTIC CAP. 470UF/6.3V M	1	1	1	1	1	1	1
C117			ELECTROLYTIC CAP. 470UF/6.3V M	1	1	1	1	1	1	1
<b>DIODES</b>										
D101		9965 000 12178	ZENER DIODE DZ-11BSAT265	1	1	1	1	1	1	1
D102		9965 000 12178	ZENER DIODE DZ-11BSAT265	1	1	1	1	1	1	1
D103		9965 000 12178	ZENER DIODE DZ-11BSAT265	1	1	1	1	1	1	1
D104		9965 000 12178	ZENER DIODE DZ-11BSAT265	1	1	1	1	1	1	1
D105		9965 000 12178	ZENER DIODE DZ-11BSAT265	1	1	1	1	1	1	1
D106		9965 000 12178	ZENER DIODE DZ-11BSAT265	1	1	1	1	1	1	1
<b>CONNECTORS</b>										
JK101		9965 000 12197	RGB CONNECTOR MRC-021V-01	1	1	1	1	1	1	1
JK102		9965 000 12197	RGB CONNECTOR MRC-021V-01	1	1	1	1	1	1	1
<b>COILS</b>										
L101		4822 526 10685	BEAD CORE B16 RH 3.5X10X1.3	1	1	1	1	1	1	1
L102		4822 526 10685	BEAD CORE B16 RH 3.5X10X1.3	1	1	1	1	1	1	1
<b>TRANSISTORS</b>										
Q101		4822 130 42959	TRANSISTOR KTA1266(GR)	1	1	1	1	1	1	1
Q102		4822 130 42959	TRANSISTOR KTA1266(GR)	1	1	1	1	1	1	1
<b>RESISTORS</b>										
R101			CARBON RES. 1/4W J 820 OHM	1	1	1	1	1	1	1
R103			CARBON RES. 1/4W J 820 OHM	1	1	1	1	1	1	1
R104			CARBON RES. 1/6W J 4.7K OHM	1	1	1	1	1	1	1
R106			CARBON RES. 1/6W J 4.7K OHM	1	1	1	1	1	1	1

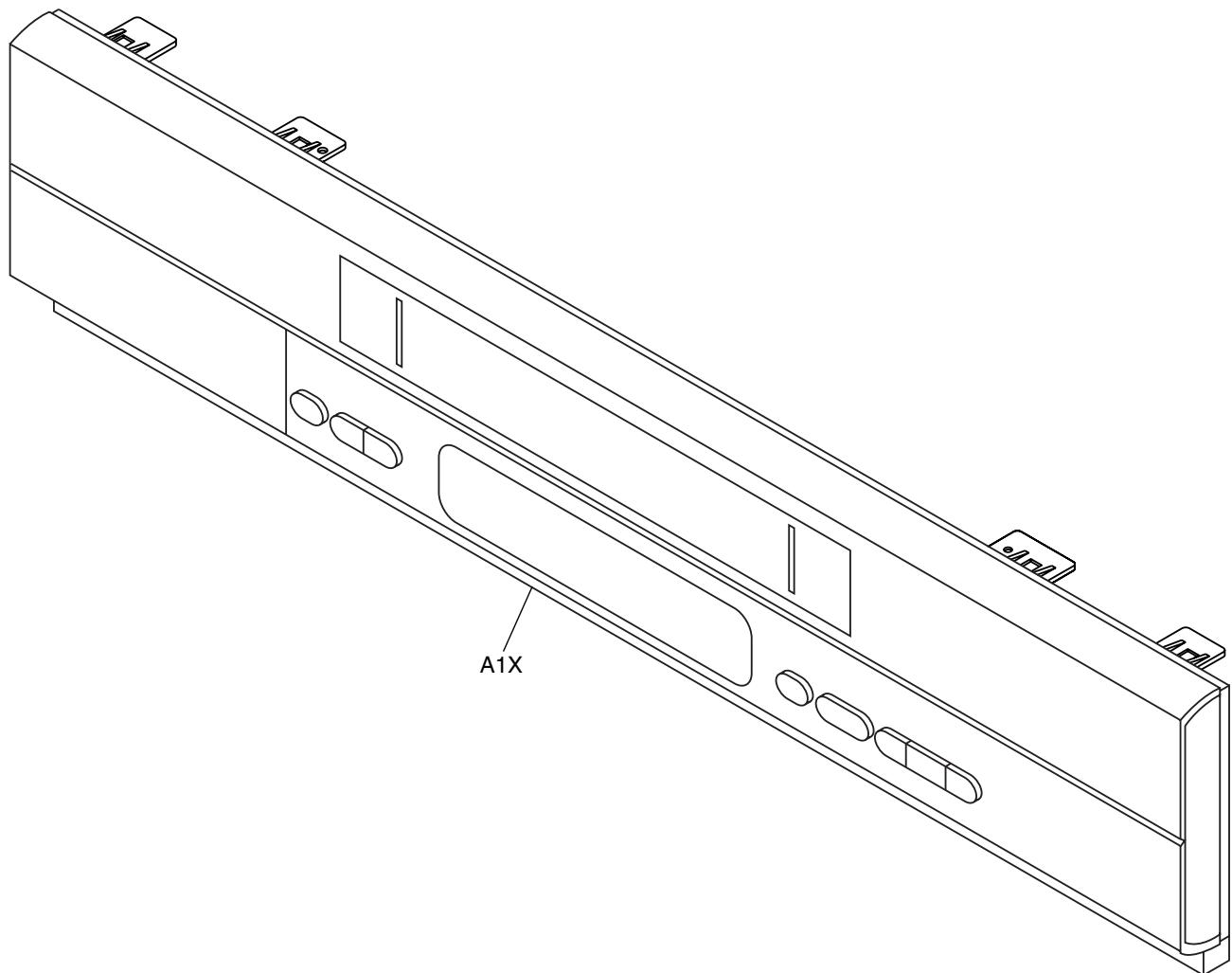
## ELECTRICAL PARTS LIST

Pos.	▲	12 NC	Description	VR750/02	VR750/07	VR750/16	VR750/58	VR752/07	VR752/16	VR752/58
				1	1	1	1	1	1	1
R108			CARBON RES. 1/4W J 68 OHM	1	1	1	1	1	1	1
R109			CHIP RES.(1608) 1/10W J 75 OHM	1	1	1	1	1	1	1
R110			CARBON RES. 1/4W J 820 OHM	1	1	1	1	1	1	1
R112			CARBON RES. 1/4W J 820 OHM	1	1	1	1	1	1	1
R113			CARBON RES. 1/6W J 4.7K OHM	1	1	1	1	1	1	1
R115			CARBON RES. 1/6W J 4.7K OHM	1	1	1	1	1	1	1
R116			CARBON RES. 1/6W J 15K OHM	1	1	1	1	1	1	1
R117			CHIP RES.(1608) 1/10W J 10K OHM	1	1	1	1	1	1	1
R118			CARBON RES. 1/4W J 68 OHM	1	1	1	1	1	1	1
R119			CHIP RES.(1608) 1/10W J 75 OHM	1	1	1	1	1	1	1
R120			CARBON RES. 1/6W J 680 OHM	1	1	1	1	1	1	1
R123			CHIP RES.(1608) 1/10W J 220 OHM	1	1	1	1	1	1	1
R125			CARBON RES. 1/6W J 680 OHM	1	1	1	1	1	1	1
R126			CHIP RES.(1608) 1/10W J 220 OHM	1	1	1	1	1	1	1
R127			CHIP RES.(1608) 1/10W 0 OHM	1	1	1	1	1	1	1
R128			CHIP RES.(1608) 1/10W 0 OHM	1	1	1	1	1	1	1
<b>SENSOR CBA</b>										
Q504		9965 000 08630	PHOTO TRANSISTOR PT204-6B-12	1	1	1	1	1	1	1
Q505		9965 000 08630	PHOTO TRANSISTOR PT204-6B-12	1	1	1	1	1	1	1
<b>AFV CBA</b>										
<b>CAPACITORS</b>										
C1			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C4			CHIP CERAMIC CAP. CH J 56PF/50V	1	1	1	1	1	1	1
C5			CHIP CERAMIC CAP.(1608) CH J 22PF/50V	1	1	1	1	1	1	1
C6			CHIP CERAMIC CAP. CH J 56PF/50V	1	1	1	1	1	1	1
C7			CHIP CERAMIC CAP. CH C 3PF/50V	1	1	1	1	1	1	1
C8			CHIP CERAMIC CAP. CH C 3PF/50V	1	1	1	1	1	1	1
C11			CHIP CERAMIC CAP.(1608) B K 0.01UF/50V	1	1	1	1	1	1	1
C12			ELECTROLYTIC CAP. 10UF/16V M H7	1	1	1	1	1	1	1
C13			CHIP CERAMIC CAP.(1608) B K 0.01UF/50V	1	1	1	1	1	1	1
C14			CHIP CERAMIC CAP.(1608) B K 0.01UF/50V	1	1	1	1	1	1	1
C15			ELECTROLYTIC CAP. 10UF/16V M H7	1	1	1	1	1	1	1
C16			ELECTROLYTIC CAP. 10UF/16V M H7	1	1	1	1	1	1	1
C17			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C19			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C20			ELECTROLYTIC CAP. 3.3UF/50V M H7	1	1	1	1	1	1	1
C21			CHIP CERAMIC CAP.(1608) F Z 0.1UF/50V	1	1	1	1	1	1	1
C22			ELECTROLYTIC CAP. 10UF/16V M H7	1	1	1	1	1	1	1
C24			ELECTROLYTIC CAP. 0.22UF/50V M H7	1	1	1	1	1	1	1
CN1		4822 265 11267	ANGLE PIN HEADER, 9P 6029B-1-09Z003-T	1	1	1	1	1	1	1
<b>DIODES</b>										
D2		4822 130 30621	SWITCHING DIODE 1N4148M	1	1	1	1	1	1	1
<b>IC's</b>										
IC1		9965 000 12274	IC:AUDIO PROCESSOR MSP3407G-QG-B8	1						
IC1		9965 000 14760	IC:AUDIO PROCESSOR MSP3417G-QG-B8		1	1	1	1	1	1
<b>COILS</b>										
L1		4822 157 10889	INDUCTOR 10UH-K-26T	1	1	1	1	1	1	1
L2			PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1
L3		4822 157 11318	INDUCTOR 18UH-K-26T	1	1	1	1	1	1	1
L4		4822 157 10889	INDUCTOR 10UH-K-26T	1	1	1	1	1	1	1
<b>RESISTORS</b>										
R1		9965 000 13036	CHIP RES.(1608) 1/10W J 1K OHM	1	1	1	1	1	1	1
R4		9965 000 13037	CHIP RES.(1608) 1/10W J 120K OHM	1	1	1	1	1	1	1
R5		9965 000 09942	CHIP RES.(1608) 1/10W 0 OHM	1	1	1	1	1	1	1
X1		9965 000 12200	XTAL 18.432MHZ	1	1	1	1	1	1	1

# **EXPLODED VIEWS**

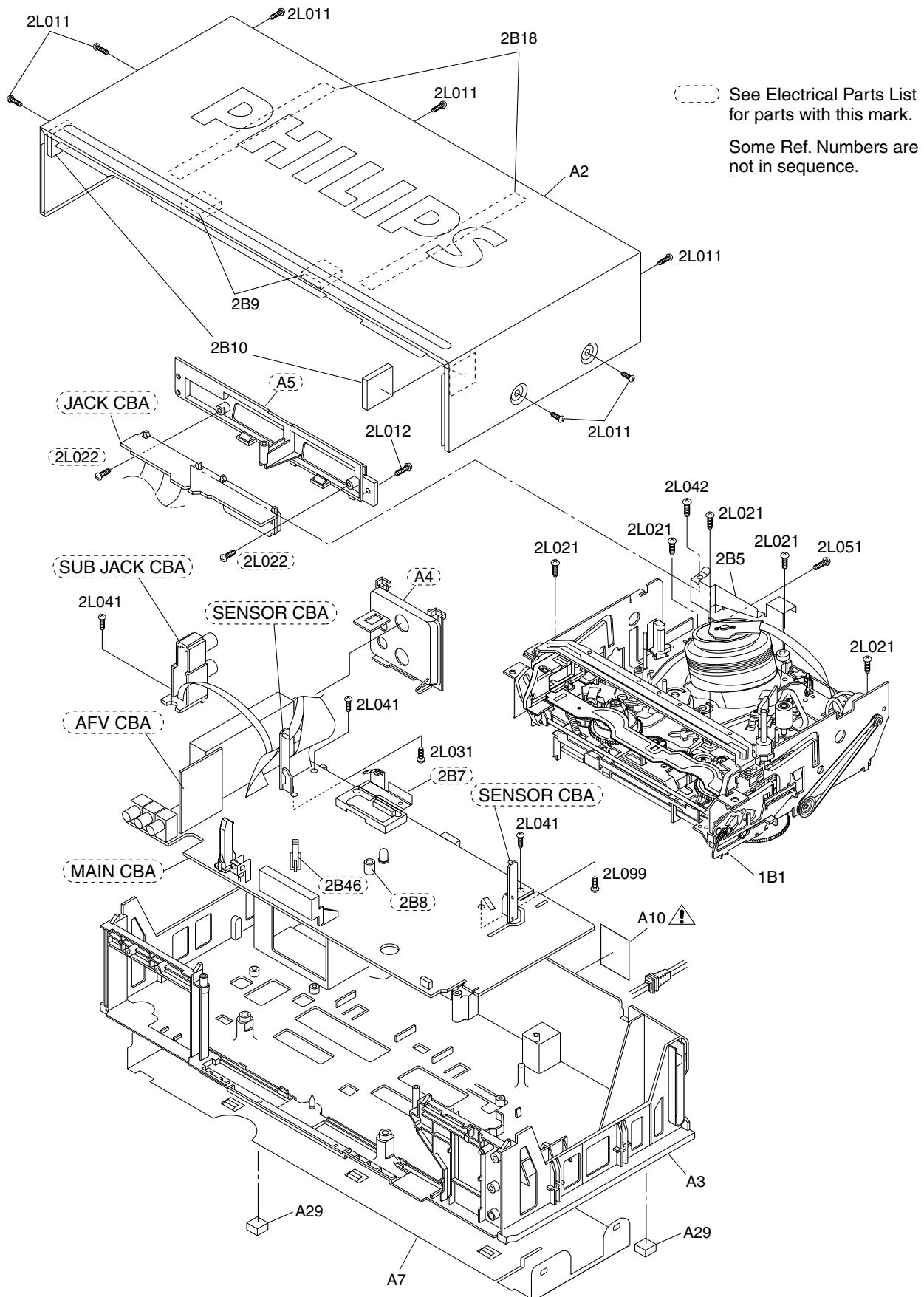
[ VR750/ (02, 07, 16, 58), VR752/ (07, 16, 58) ]

## **Front Panel**



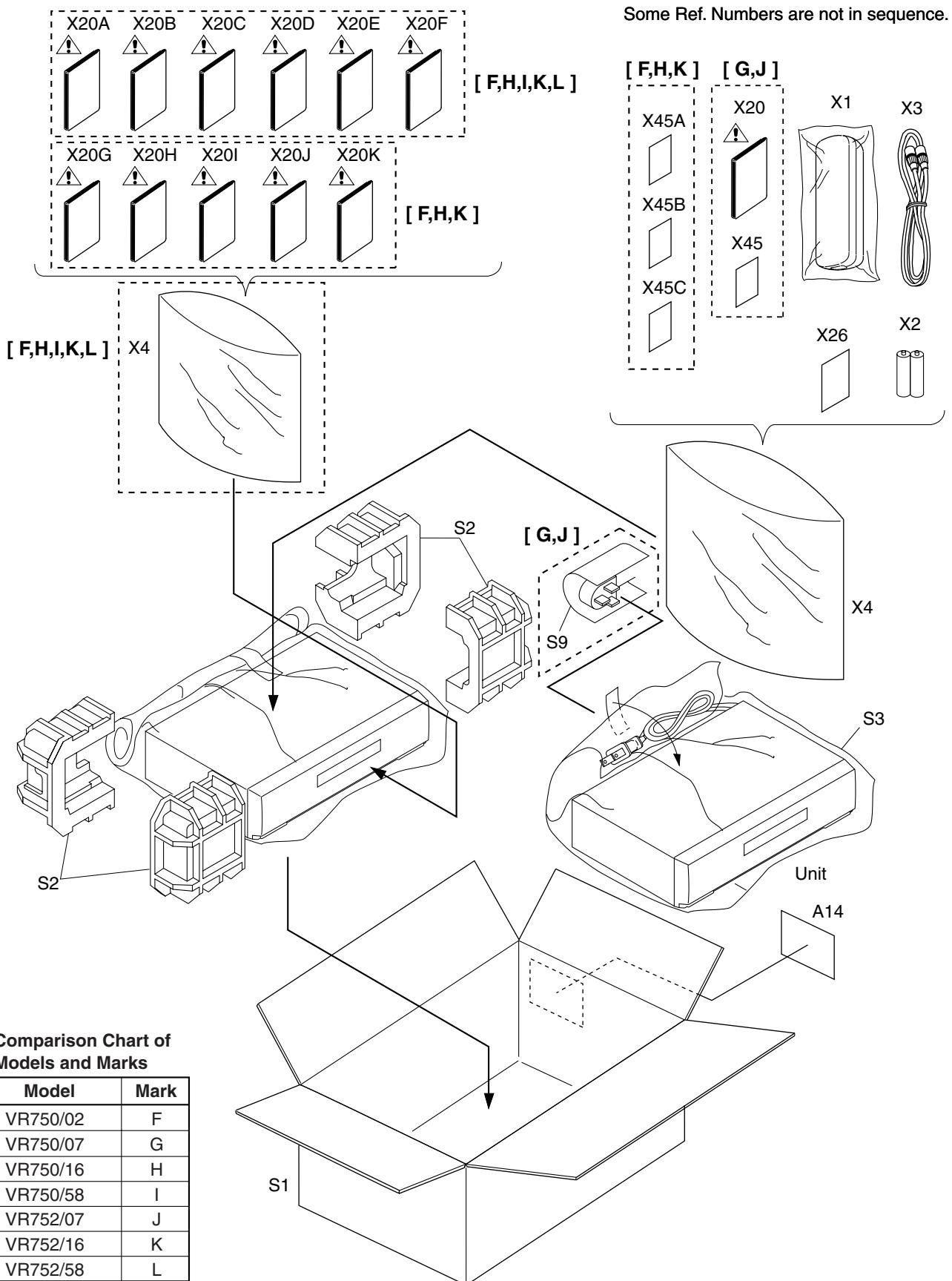
[ VR750/ (02, 07, 16, 58), VR752/ (07, 16, 58) ]

## Cabinet



# [ VR750/ (02, 07, 16, 58), VR752/ (07, 16, 58) ]

## Packing



PRODUCT SAFETY NOTE: Products marked with a ▲

have special characteristics important to safety.  
 Before replacing any of these components, read carefully  
 the product safety notice in this service manual.  
 Don't degrade the safety of the product through improper servicing.

MECHANICAL PARTS LIST			VR750/02	VR750/07	VR750/16	VR750/58	VR752/07	VR752/16	VR752/58
Pos.	▲ 12 NC	Description							
A1X	9965 000 23378	FRONT ASSEMBLY HG490ED	1						
A1X	9965 000 23389	FRONT ASSEMBLY HG491BD		1					
A1X	9965 000 23390	FRONT ASSEMBLY HG492ED			1	1			
A1X	9965 000 23383	FRONT ASSEMBLY HG495BD					1		
A1X	9965 000 23392	FRONT ASSEMBLY HG496ED						1	1
A2	9965 000 17142	CASE, TOP(U27 FTZ 435) HE480ED	1	1	1	1			
A2	9965 000 17155	CASE, TOP(BLACK) HE485BD					1	1	1
A3	9965 000 17143	CHASSIS(U27 FTZ 435MM) HE480ED	1	1	1	1			
A3	9965 000 17156	CHASSIS(BLACK) HE485BD					1	1	1
A7	9965 000 17144	PANEL, BOTTOM(435MM) HE480ED	1	1	1	1	1	1	1
A14		LABEL, BAR CODE HG490ED	1						
A14		LABEL, BAR CODE HG491BD		1					
A14		LABEL, BAR CODE HG492ED			1				
A14		LABEL, BAR CODE HG494ED				1			
A14		LABEL, BAR CODE HG495BD					1		
A14		LABEL, BAR CODE HG496ED						1	
A14		LABEL, BAR CODE HG498ED							1
A29		CHASSIS FOOT H79P9JD	1	1	1	1	1	1	1
A10	▲	LABEL,RATING HG490ED	1						
A10	▲	LABEL,RATING HG491BD		1					
A10	▲	LABEL,RATING HG492ED			1				
A10	▲	LABEL,RATING HG494ED				1			
A10	▲	LABEL,RATING HG495BD					1		
A10	▲	LABEL,RATING HG496ED						1	
A10	▲	LABEL,RATING HG498ED							1
1B1		DECK ASSEMBLY CZD013/VM23ED	1	1	1	1	1	1	1
2B5	9965 000 23351	SHEILD, CYLINDER HG470ED	1	1	1	1	1	1	1
2B9		CUSHION HC460ED	1	1	1	1	1	1	1
2B10		SIDE CUSHION HC470ED	1	1	1	1	1	1	1
2B18		FIBER, TOP CASE HC460ED	1	1	1	1	1	1	1
2L011	9965 000 16615	SCREW, P-TIGHT 3X10 BIND HEAD+	1	1	1	1	1	1	1
2L012	9965 000 16615	SCREW, P-TIGHT 3X10 BIND HEAD+	1	1	1	1	1	1	1
2L021	4822 502 30752	SCREW, P-TIGHT M3X10 WASHER HEAD+	1	1	1	1	1	1	1
2L031	4822 502 14009	SCREW, S-TIGHT M3X6 BIND HEAD+	1	1	1	1	1	1	1
2L041	4822 502 14012	P-TIGHT SCREW 3X8 BIND +	1	1	1	1	1	1	1
2L042	4822 502 14012	P-TIGHT SCREW 3X8 BIND +	1	1	1	1	1	1	1
2L051	4822 502 14018	SCREW, S-TIGHT M3X5 BIND HEAD+	1	1	1	1	1	1	1

## MECHANICAL PARTS LIST

Pos.	▲ 12 NC	Description	VR750/02	VR750/07	VR750/16	VR750/58	VR752/07	VR752/16	VR752/58
2L099	9965 000 13027	SCREW, P-TIGHT M3X8 BIND HEAD+	1	1	1	1	1	1	1
<b>PACKING</b>									
S1		GIFT BOX CARTON HG490ED	1		1	1			
S1		GIFT BOX CARTON HG491BD		1					
S1		GIFT BOX CARTON HG495BD				1			
S1		GIFT BOX CARTON HG496ED					1	1	
S2		STYROFOAM HG470ED	1		1	1		1	1
S2		STYROFOAM(U29UK) HG471BD		1			1		
S3		UNIT, BAG E5500UD	1	1	1	1	1	1	1
S9		AC PAD HC461BD		1			1		
S12		ACCESSORY PAD HE470ED	1		1	1		1	1
X1	9965 000 23379	REMOTE CONTROL UNIT 364/CZF29UU	1	1	1	1			
X1	9965 000 23384	REMOTE CONTROL UNIT 364/CZF29UU					1	1	1
X3	4822 320 50377	RF CORD PAL 1.2M	1	1	1	1	1	1	1
X4		ACCESSORY BAG K8092BA	1	1	1	1	1	1	1