



PORTABLE RADIO CASSETTE RECORDER AND CD/VCD/MP3 PLAYER WITH REMOTE

Model: AJ-CV3400

SERVICE MANUAL

www.akai.ru

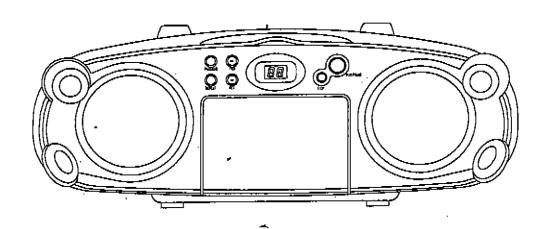
AKAI SERVICE MANUAL

MODEL

AJ-CV3400

CAUTION: Before servicing the chassis, read the "Important service safety information" section on page 2 of this manual.

PORTABLE RADIO CASSETTE RECORDER AND CD / VCD / MP3 PLAYER WITH REMOTE CONTROL



MAJOR SPECIFICATION

RADIO	AM	· FM
Frequency Range	522~1620KHz	88.5~I08MHz
IF	455KHz	10.7M Hz
Antenna	Ferrite Bar	75Ω Telescope Antenna

POWER SUPPLY

AC 230V50Hz

DC 12V UM-1 / R20 / Size; "D" 1.5V x 8 Batteries

SPEAKER

ه ۱٬۰۰۰ درموز کیم هم

4 Ω / Channel x 2

AUDIO POWER OUTPUT

1.5W / Channel x 2 10%THD

VIDEO SYSTEM

MPEG 1.0, 2.0, 3.0

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SERVICE PUBLICATION

IMPORTANT SERVICE SAFETY INFROMATION

1. SAFETY PRECAUTIONS

Before returning a unit to the customer, always make a safety check of the entire unit, including, but not limited to the following items:

- a. Be sure that no built-in protective devices are defective and/or have been defected during servicing.
 - Protective shields are provided to protect both the technician and the customer. Correctly replace all
 missing protective shields including any removed for service convenience.
 - When reinstalling the chassis and/or other assemblies in the cabinet, be sure to put back in place all protective devices, including, but not limited to, nonmetallic control knobs, insulating fish papers, adjustment and compartment covers/shields and isolation resistors capacitor reworks. Go not operate this unit or permit it to be operated without all protective devices correctly installed and functioning.
- b. Be sure that there are no cabinet opening through which an adult or child maight be able to insert their fingers and contact a hazardous voltages such openings include, but are not limited to, excessively wide cabinet ventilation slots, and an improperly fitted and/or incorrectly secured cabinet back cover.
- c. Leakage current hot check- with the unit completely reassembled, plug the AC line cord directly into a 230V AC outlet. (Do not use an isolation transformer during this test.) Use a leakage current tester or a metering system that complies with American National Standards institute (ANSI) C101.1 "Leakage Current for Appliances" and Underwriters Laboratories (UL) 1410,(50.7). With the unit AC switch first in the ON position and then in the OFF position, measure from a known each ground (metal water pipe, conduit, etc) to all exposed metal parts of the unit (antennas, handle bracket, metal cabinet, screw heads, metallic over trays, control shaft, etc), especially any exposed metal parts that offer an electrical return path to the chassis. Any current measured must not exceed 0.5 milliamp. Reverse the unit power cord plug in the outlet and repeat test. ANY MEASUFREMENTS NOT WITHIN THE LIMITS SPECIFIED HERENIN INDICATE A POYENTIAL SHOCK HAZARD THAT MUST BE ELIMINATED BEFORE RETURNING THE UNIT TO THE CUSTOMER.
- d. Insulation Resistance Test Cold Check
 Unplug the power supply cord and connect a jumper wire between the two prongs of the plug.
 Turn on the power switch of the unit.
 - Measure the resistance with an ohmmeter between the jumpered AC plug and each exposed metallic cabinet part on the unit, such as screw heads, antenna, control shafts, handle brackets, etc. When the exposed metallic part has a return path to the chassis, the reading should be between 1 and 5.2 megohme. When there is no return path to the chassis, the reading must be "infinito" if it is not within the limits specified, there is the possibility of a shock hazard, and the unit must be repaired and rechecked before it is returned to the customer.

2. PRODUCT SAFETY NOTICE

parts list. Use of a substitute replacement that does not have the same safety characterisistics as the recommend replacement part might create shock, fire, and/or other hazards. Product Safety is under review continuously and new instructions are issued when over appropriate.

3. SERVICING PRECAUTIONS

CAUTION: Before servicing the unit covered by this service manual and its supplements, read

Read and follow the SAFTY PRECAUTIONS on this page. NOTE: if unforeseen circumstances create a conflict between the following servicing precautions and any of the safety precautions, always follow the safety precautions. Remember: Safety First.

General Servicing Precautions:

- a. Always unplug the unite AC power cord from the AC power source before:
- (1) removing or reinstalling any component, circuit board, module, or any other unit assembly.
- (2) Disconnecting or reconnecting any unit electrical plug or other electrical connection.
- (3) Connecting a last substitute in parallel with an electrolytic capacitor in the unit.
 Caution: A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.
- b. Do not defeat any plug/socket B+ voltage interlocks with which the unit covered by this Service manual might be equipped.
- c. Do not apply AC power to this unit and / or any of its electrical assemblies unless all solid
 - --State device heat sinks are correctly installed.
- d. Always connect a lost unit instrument's ground lead to the unit's chassis ground before Connecting the test instrument's positive lead. Always remove the test instrument's ground Lead last,

4. LASER PRECAUTIONS

WARNING:

 $\lesssim_{\mathcal{F}}^{\mathcal{F}} \frac{1}{f}$

1) When servicing, (in case it is necessary to confirm laser beam emission) be sure not to place your eyes any closer than 1 tf or 30cm from the surface of the objective lens.
On the optical pickup block.

HANDLING THE LASER PICK UP

- 2. Laser diodes are extremely susceptible to damage from state electricity. Even if a Static discharge does not ruin the diode. It can shorten its life or cause it to work Improperly. When replacing the pickup, use a conductive mat on the floor and desk And desk and wear a wristband connected to ground through a 1 M ohm resistor to protect the laser diode from static damage. If the lens should get dusty, blow off the dust carefully from the object.
- 3. There are no adjustable parts in the pickup assembly. If it is defective replace the whole pickup assembly.

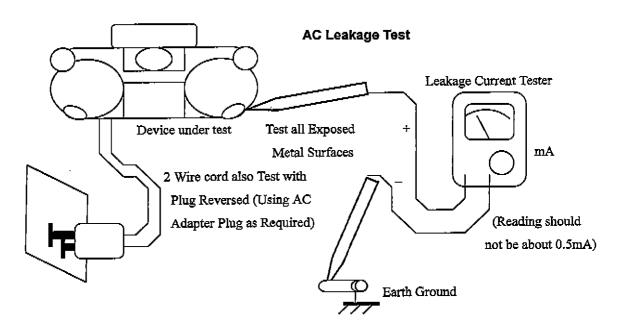
CAUTION:

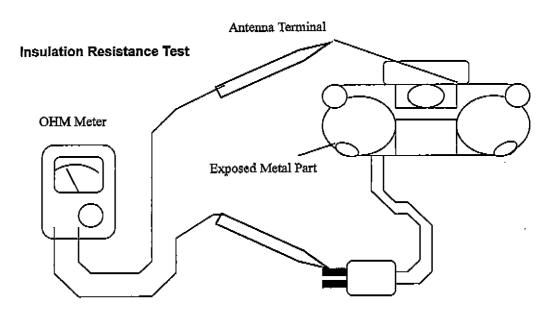
USE OF CONTROLS, ADJUSTMENTS OR PERFORMANCE OF PROCEDURES HEREIN MAY RESULT IN

HAZARDOUS RADIATION EXPOSURE.

DANGER:

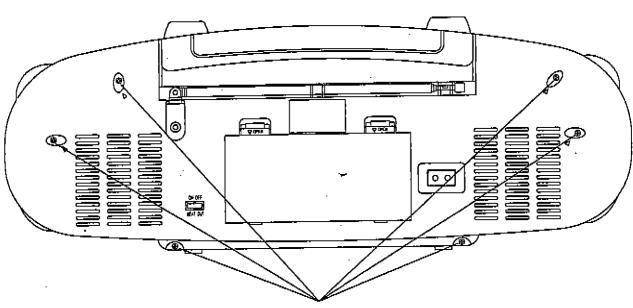
IF INTERLOCK FAILS OR IS DEFEATED, THE LASER LIGHT IS ABLE TO FUNCTION. THE LASER IS INVISIBLE, AVOID DIRECT EXPOSURE TO BEAM.





DISASSEMBLY INSTRUCTIONS

- Rotate the unit to expose the back side.
 Remove the 6 pcs. screws as shown following.



ALIGNMENT PROCEDURES

AM IF. ALIGNMENT

- 1, Set the FUNCTION switch to "RADIO" position.
- 2, Set the BAND switch to "AM" position.
- 3, Connect a SWEEPSCOPE OUTPUT to AM standard radiating loop antenna and match the direction for built-in ferrite bar of AM antenna.

4, Connect a SWEEPSCOPE INPUT to pin 13 or 14 of IC1 through a 1uf capacitor and GND.

STEP	SET SIGNAL	SET DIAL	ADJUST	ADJUST FOR
1	455KHz	LOW-END OF BAND	T101(IFT,YELLOW)	CENTER & MAXIMUM OUTPUT

AM RF. ALIGNMENT

1, Connect a RF GENERATOR to the standard radiating loop antenna.

2, Connect a SCOPE and VTVM across the speaker output

STEP	SET SIGNAL	SET DIAL	ADJUST	ADJUST FOR
1	522KHz	LOW-END OF BAND	L105 (AM OSC)	TU]TUO MUMIXAM
2	1620KHz	HIGH-END OF BAND	PVC2 (TRIMMER)	TUJTUO MUMIXAM
3	REPEAT	STEP 1&2	TO MAXIMUM	· · · · · · · · · · · · · · · · · · ·
4	612KHz	NEAR 612KHz	L104 (AM SENS COIL)	TUJTUO MUMIXAM
5	1404KHz	NEAR 1404KHz	PVC1 (TRIMMER)	MAXIMUM OUT[UT
-	REPEAT	STEP 4&5	TO MAXIMUM	··

FM IF. ALIGNMENT

64

1. Set the BAND switch to "FM" position.

2, Connect a SWEEPSCOPE OUTPUT to pin 23 of IC1 through a 20pf capacitor and GND.

3, Connect a SWEEPSCOPE INPUT to pin 13 or 14 of IC1 through a 1uf capacitor and GND.

-,				
STEP	SET SIGNAL	SET DIAL	ADJUST	ADJUST FOR
1	10.7MHz		T102 (FM DISCRI.)	WITH 10.7MHz AT ZERO CROSSOVER
'	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		· · · · · · · · · · · · · · · · · · ·	& MAKE THE "S" CURVE TO FINER.
2	REPEAT	STEP 1 TO	FINEL	

FM RF. ALIGNMENT

1, Connect a RF GENERATOR to the terminal of FM telescope antenna and GND.

2, Connect a SCOPE and VTVM across the speaker output.

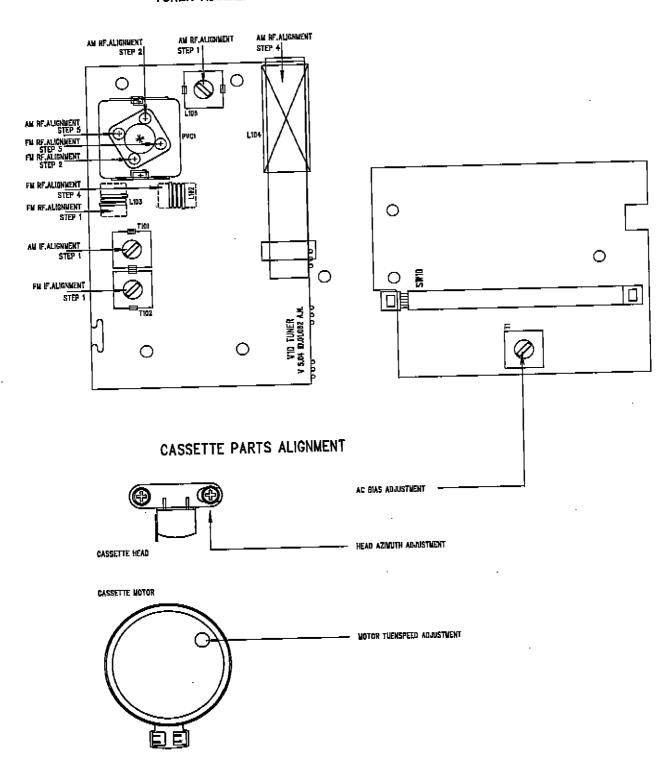
STEP	SET SIGNAL	SET DIAL	ADJUST	ADJUST FOR
1	87.5MHz	LOW-END OF BAND	L103 (FM OSC)	TU]TUO MUMIXAM
2	108MHz	HIGH-END OF BAND	PVC4 (TRIMMER)	MAXIMUM OUT[UT
3	REPEAT	STEP 1&2	TO MAXIMUM	
4	90.1MHz	NEAR 90.1MHz	L102 (FM SENS COIL)	MAXIMUM OUT(UT
5	106.1MHz	NEAR 106.1MHz	PVC3 (TRIMMER)	MAXIMUM OUT[UT
6	REPEAT	STEP 4&5	TO MAXIMUM	

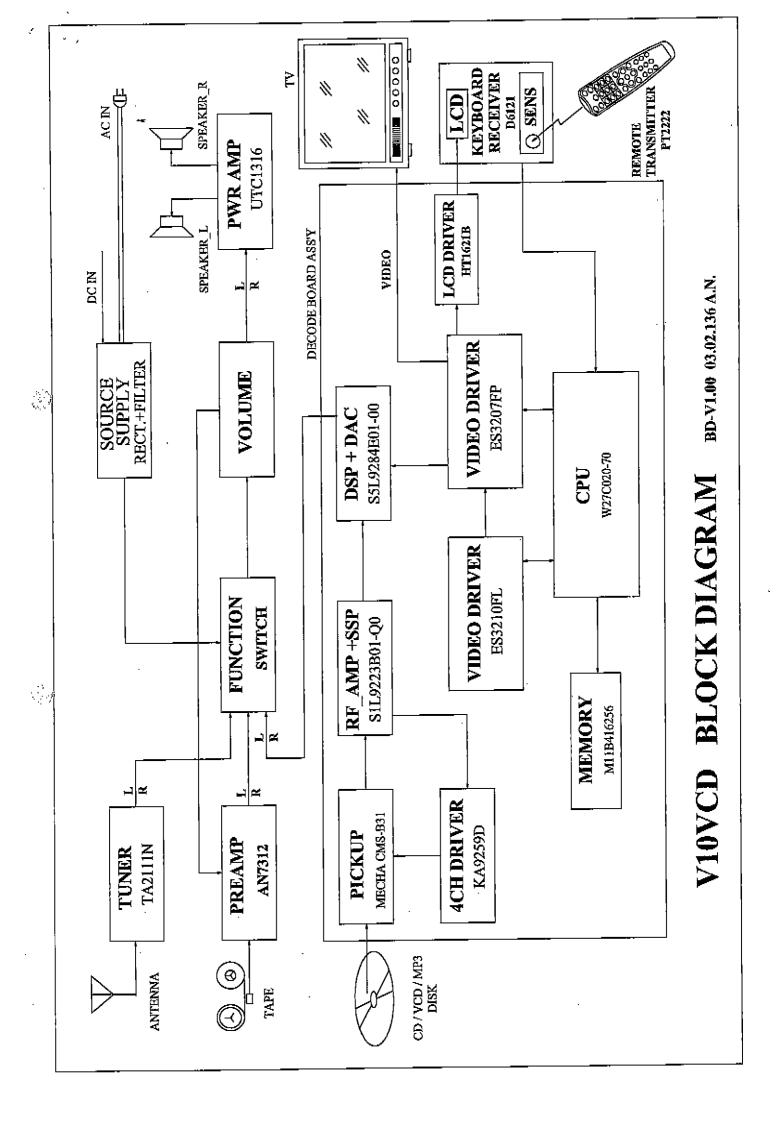
CASSETTE PARTS ALIGNMENT

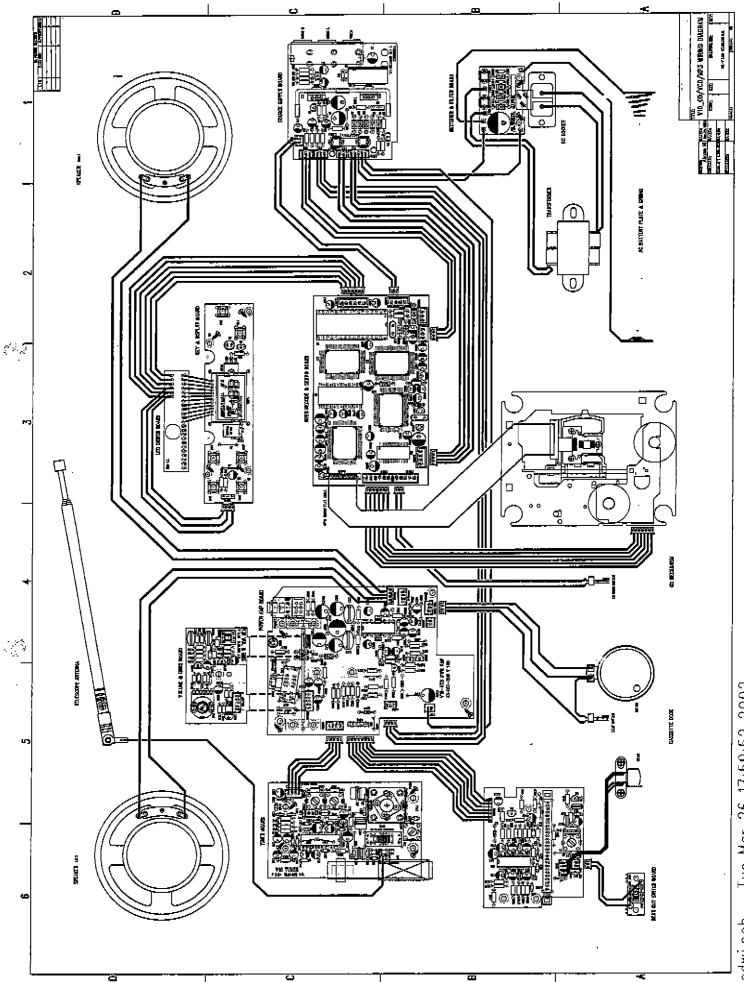
- 1, AC BIAS; Adjust T401 to make the bias oscillate frequency to 48+/-1KHz.
- 2. MOTOR TURNSPEED: Adjust the screw at motor back side to make the output signal near 3KHz while play the 3KHz standard tape. It used frequency meter connected output.
- 3, HEAD AZIMUTH: Adjust the screw of head azimuth to make the 6.3KHz signal to maximum. It play the 6.3KHz standard tape and used VTVM connected output.

ADJUSTMENT LOCATIONS

TUNER ALINMENT



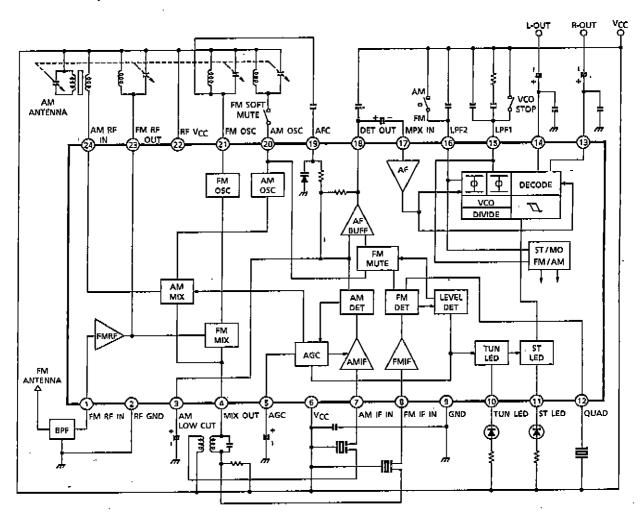




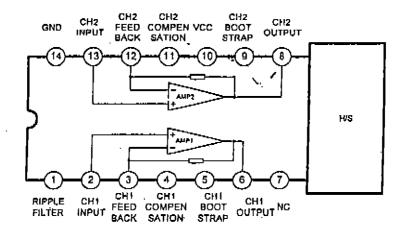
V10vcdwi.pcb - Tue Mar 26 17:59:52 2002

IC BLOCK DIAGRAM

1, TN2111N (TUNER)



2, UTC1316 (POWER AMP)

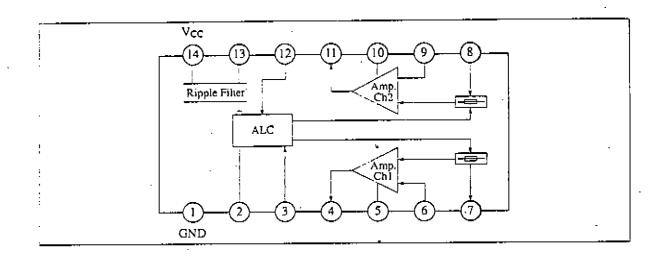


IC BLOCK DIAGRAM

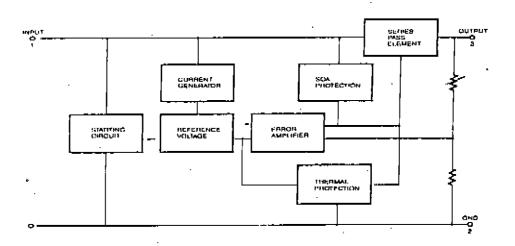
3, AN7312 (PREAMP)

100

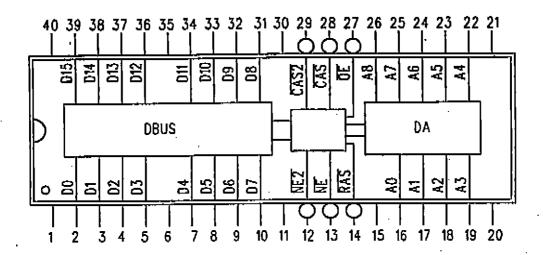
:. .



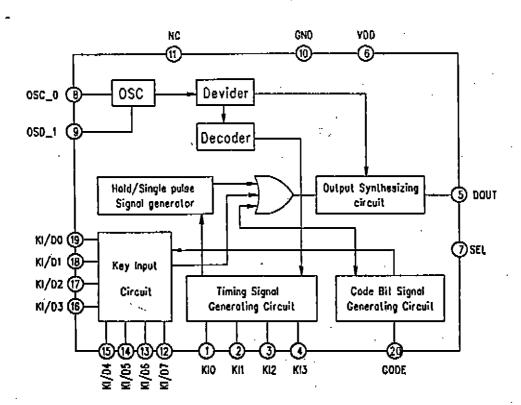
4, KA7808 (REGULATOR)



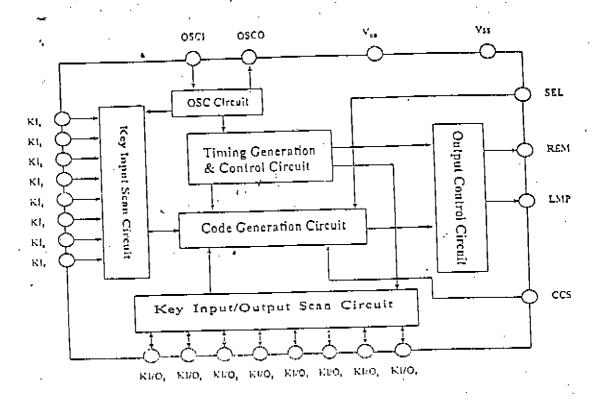
11, M11B41625A (MEMORY)



12, D6121 (REMOTE RECEIVER)

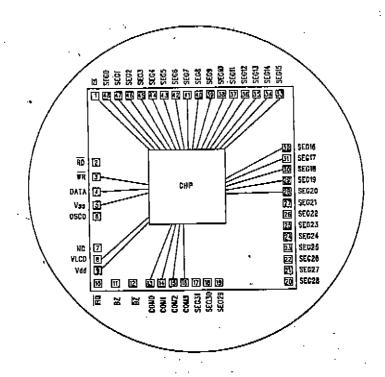


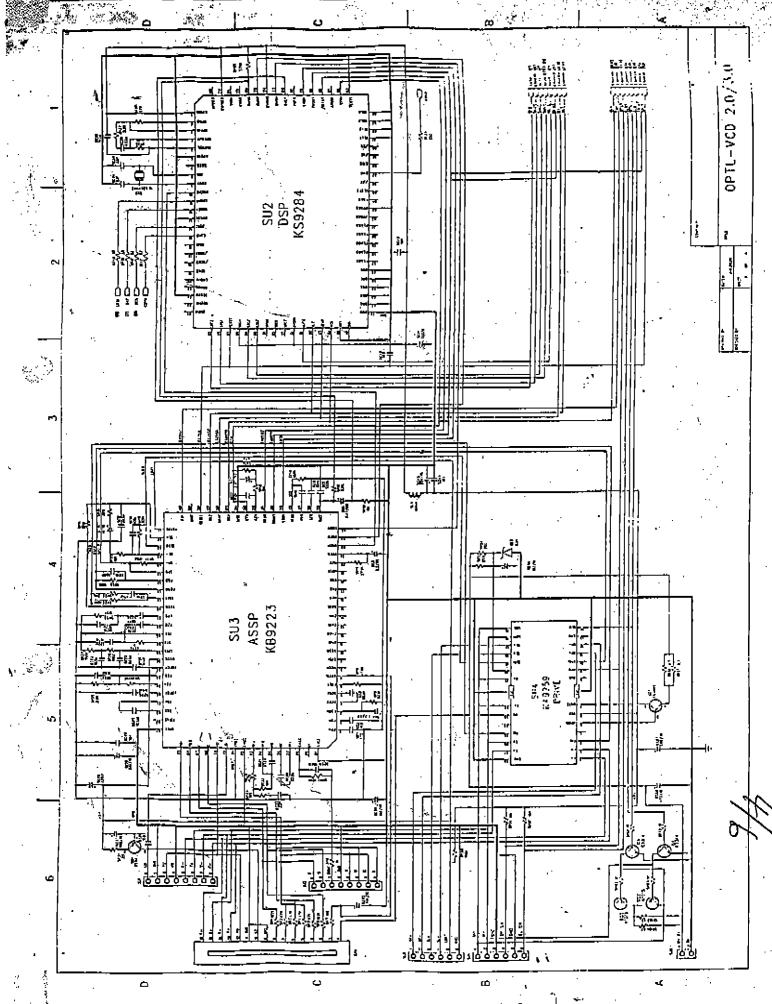
13, PT2222 (REMOTE TRANSMITTER)

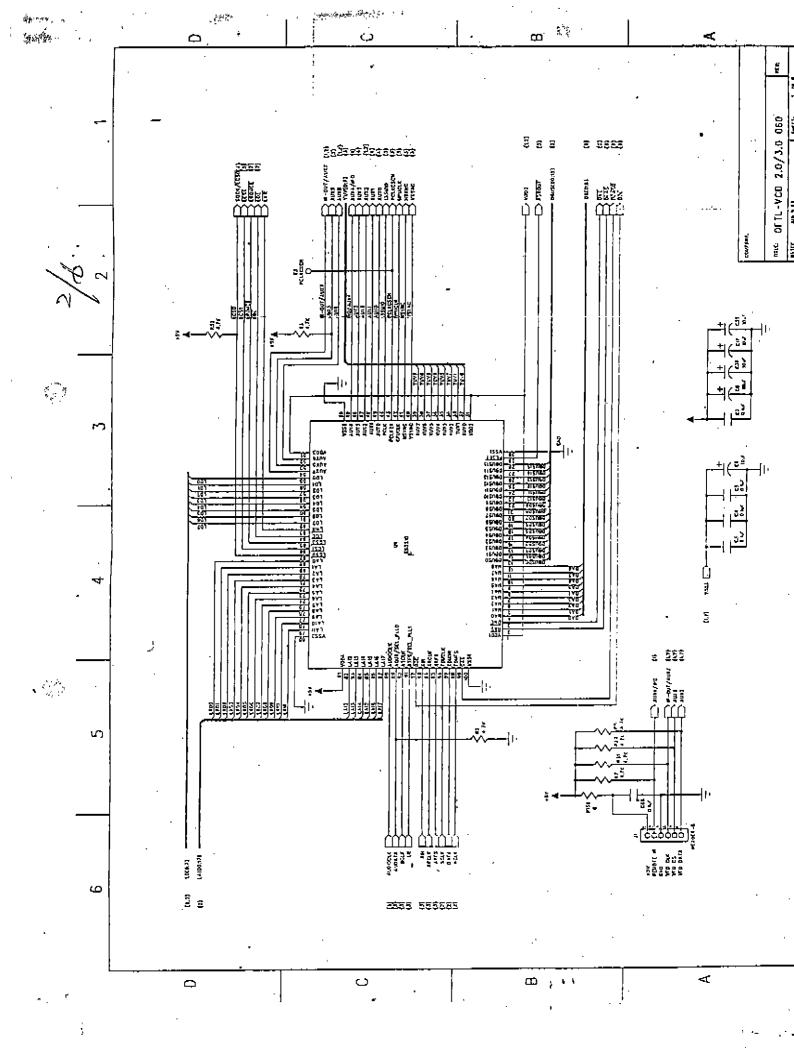


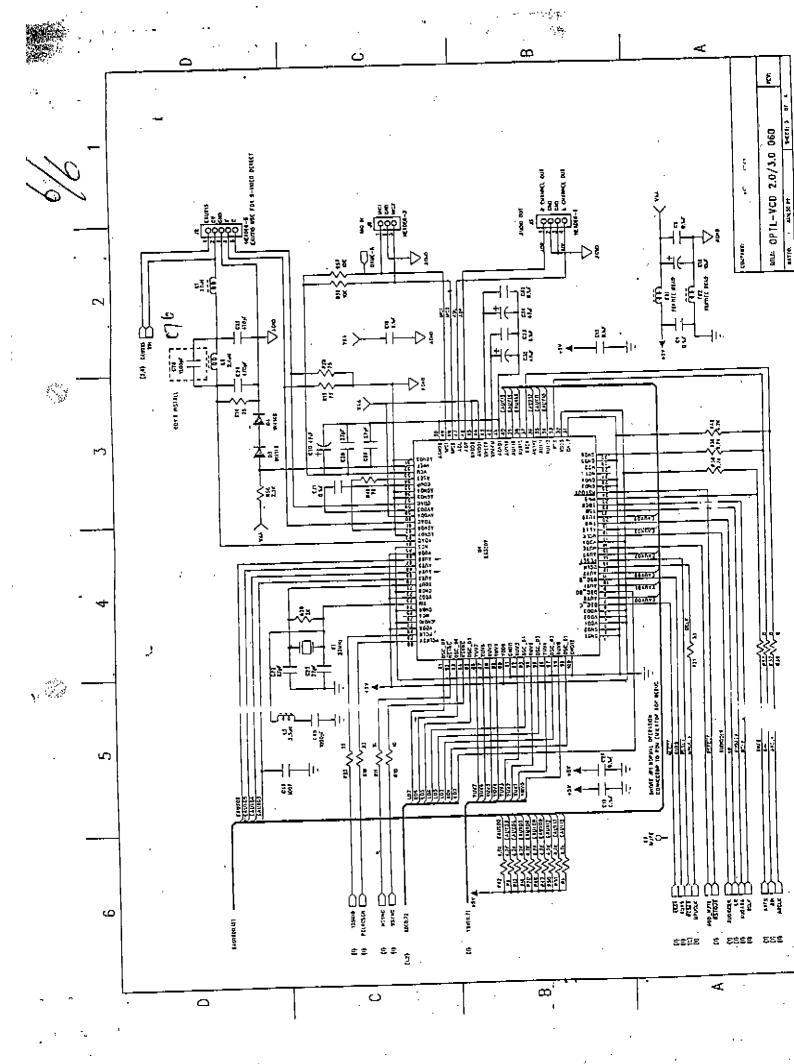
14, HT1621B (LCD DRIVER)

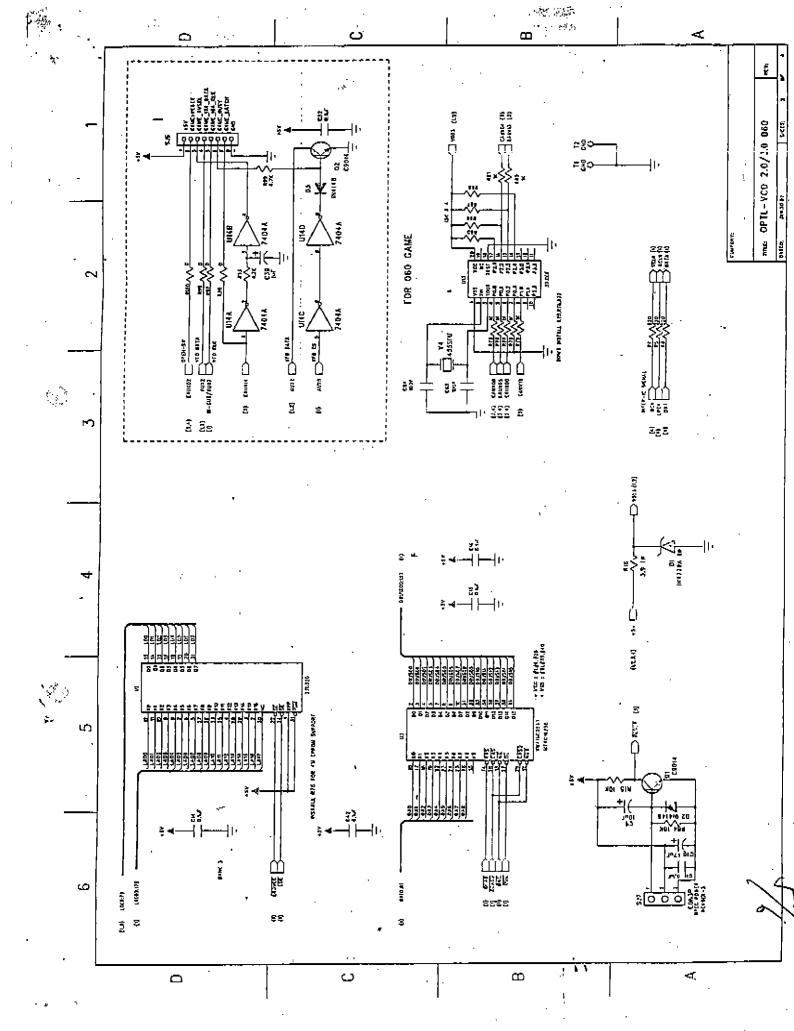
[This IC is COB]

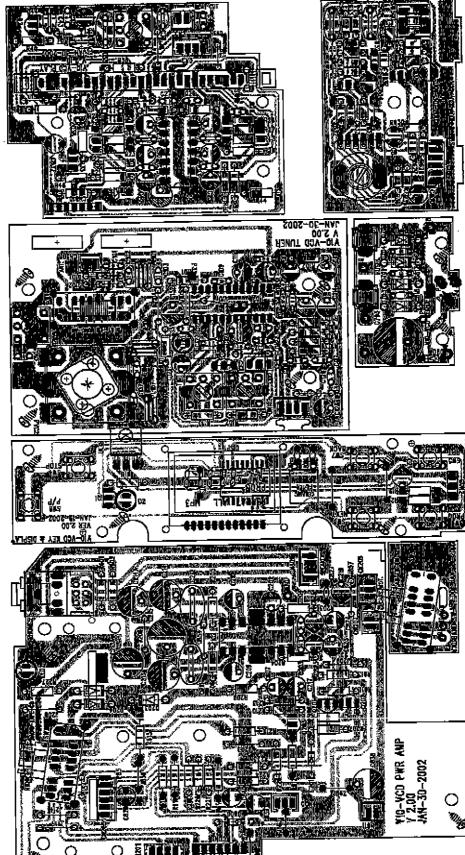








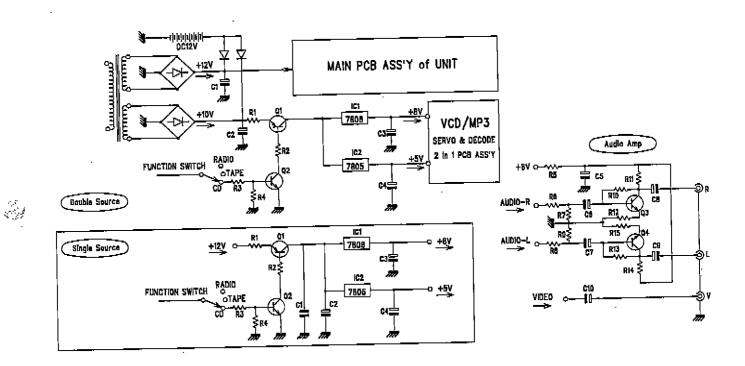




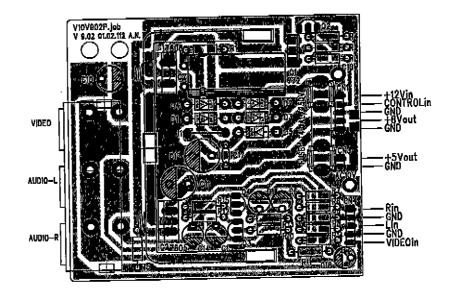
4.1.3

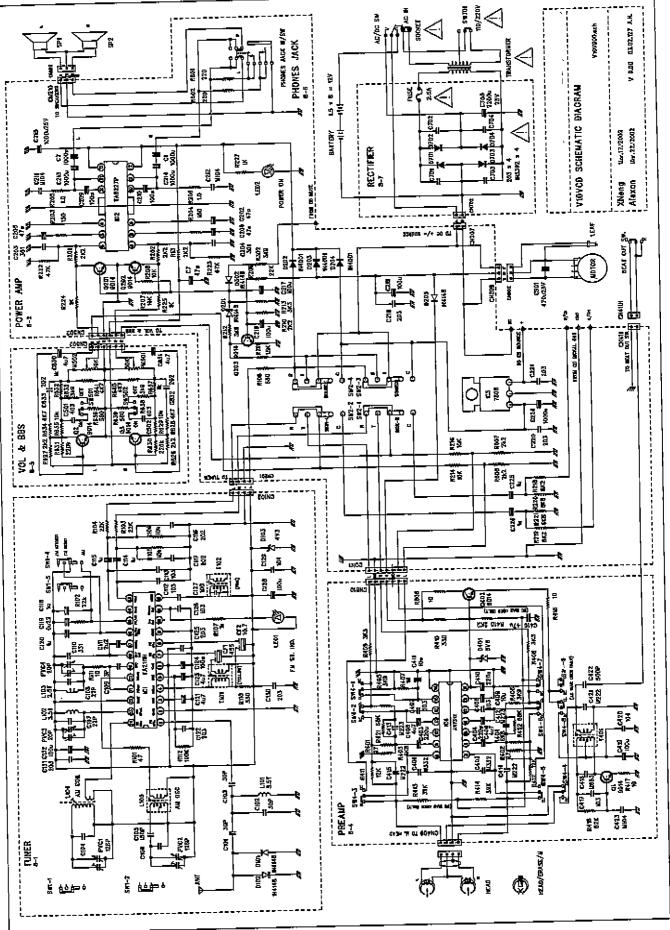
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V10VCD_SOURCE_SCH_PCB V10V902P.job V 0.02 D1.02.IIZ A.N. Jan.17.'2002





ESS Technology, Inc.

ES3207 Video CD/DVD Companion Chip Product Brief

DESCRIPTION

The ES3207 Video CD/DVD Companion Chip provides an optimal system design for a Video CD player or a DVD player.

The ES3207, which is an enhanced version of the pincompatible ES3205, integrates most of the required analog discrete components into a simple, cost-effective solution and interfaces directly to the ES3210 (Video CD) or ES3308 (DVD). No glue logic or external microcontroller is required.

The ES3207 features include a high-quality NTSC/PAL Digital Video Encoder (DVE), echo, echo reverb, 3DSound, surround sound, video and audio DACs, and a PLL clock synthesizer. There are three 9-bit video DACs (one for composite video output and two for S-video outputs) and two 16-bit sigma-delta audio DACs for interfacing with current sound systems.

The DVE generates composite and S-video analog signals. Color Space Conversions (CSC) are provided to match the input data to the required output format, then the data is filtered to meet the selected video standards. In addition, the ES3207 is equipped with a remote control interface for power on/off, microphone ports, auxiliary ports, and an interface for accessing internal registers.

Figure 1 shows a block diagram of a typical stand-alone system using the ES3210 Video CD Processor Chip or the ES3308 MPEG2 Audio/Video Decoder Chip and an ES3207 Video CD Companion Chip.

FEATURES

- Multi-standard TV encoder:
 - CCIR601 non-square operation
 - NTSC/PAL formats
 - Master video mode
 - 8-bit interface for YCrCb (4:2:2) input format
 - Simultaneous composite and S-video output
 - Interlaced operation
- Audio DACs:
 - Two 16-bit sigma-delta DACs
 - Accepts I2S format data
 - Programmable functions
- 3DSound and surround sound
- Remote control interface for power on/off
- Digitally controlled echo with up to 168 ms delay
- Vocal reverb for theater acoustical effects
- Dual microphone input
- Clock synthesizer (PLL):
 - Based on 27 MHz crystal input
 - Generates required clocks for video encoder, audio DAC, echo and surround sound, and video processor
- Device Serial Communication (DSC) port for command issued/register access
- Power management
- 100-Pin PQFP
- Single 5 V power supply

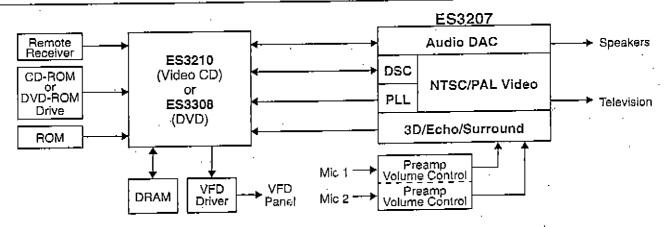
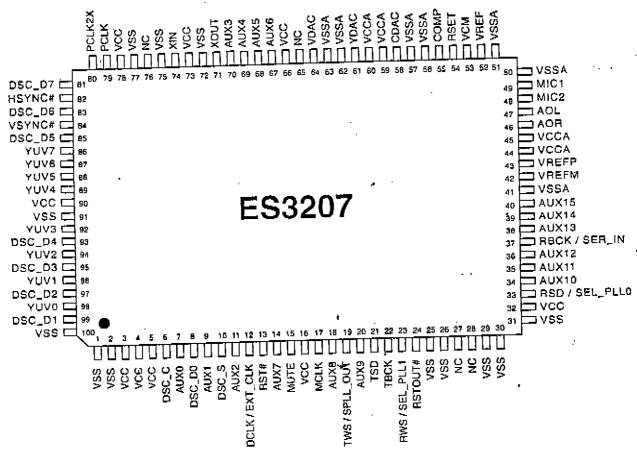


Figure 1 ES3207 Video CD Companion Chip System Block Diagram



PINOUT



PIN DESCRIPTION

PIN DESCRIPTION		1	
ame - مرز	Number 157	1/0	Definition イルウン
vss	1:2,25:26,29:31,72,75, 77,91,100	1	Ground.
vcc	3:5,16,32,66,73,78,90	1	Voltage supply, 5 V. 技术, 5 V
DSC_C	6	ı	Clock for programming to access Internal registers. 为其有法计划的社会企业。可证
AUX[15:0]	40:38,36:34,20,18,14, 67:70,11,9,7	1/0	Auxiliary control pins. 有助控制中
DSC_D[7:0)	81,83,85,93,95,97,99,8	1/0	Data for programming to access internal registers. カルタルガライデルのサンドライン
DSC_S	10	1	Strobe for programming to access internal registers 1/3 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2
DCFK		o	Dual-purpose pin. DCLK is the MPEG decoder clock. 採用流序, DcLK是HFG海轮流面
EXT_CLK	12	ī	EXT_CLK is the external clock. EXT_CLK is an input during bypass PLL mode.
BST#	13	1	Video reset (active-low)。 水皮烷信之重音(低电平有效)。 其期間
MUTE	15	0	Audio mule. 当场与专着争联、
	17	1	2 0 cm 8 + c+ chdz
MCLK		+	Audio master clock.
TWS SPLL_OUT	19	0	SPLL_OUT is the select PLL output. SPLL のリーュ PLL 新立 近村



ES3210 PINOUT

Figure 1 shows the ES3210 device pinout.

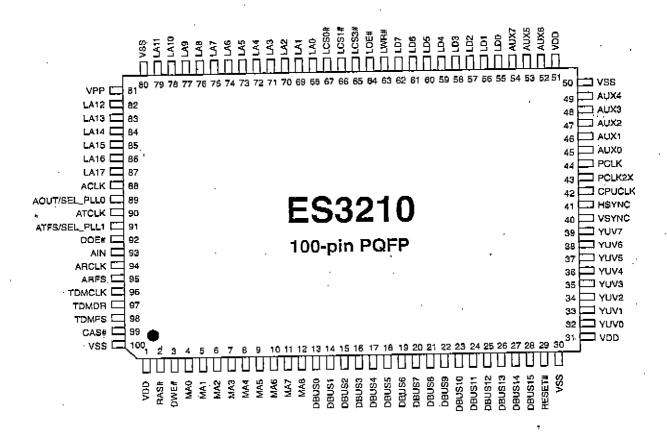


Figure 1 ES3210 Pinout Diagram

ES3210 PIN DESCRIPTION E55210 引船70分储内容

Table 1 lists the ES3210 pin descriptions.

17 F. 3 FA 20 Table 1 ES3210 Pin Description Definition ۷o' Number 🎉 🦠 Name *≜∌*⊈ 3.3V电压供给 Voltage supply for 3.3V. 1, 31, 51 VDD DRAM row address strobe (active low). DRAM(动态随机存取存储器) 行地址注。通闸门(低)电平 0 RAS# DRAM 写入允许门(纸电子作改) DRAM write enable (active low). O 3 DWE# DRAM multiplexed row and column address bus. DRAM 专工行、列 地址美元学 Ó 12:4 MA[8:0] DRAM 数据总线 新分编本 [15:0] DRAM data bus I/O [15:0]. I/O DBUS[15:0] 28:13 系统重要 (紙电主有数) System reset (active low). ī RESET# لسالج Ground 30, 50, 80, 100 ı VSS YUV [7:0] 農養輸出數据 YUV[7:0] pixel oulput data. O 39:32 YUV[7:0] Vertical sync for screen video interface, programmable for rising or falling edge. 泽溪国家 1/0 40 VSYNC Horizontal sync for screen video interface, programmable for rising or falling edge. 41 I/O **HSYNC** RISC and system clock input. CPUCLK is used only if SEL_PLL[1:0] = 00. 程序基础设置 42 CPUCLK Pixel clock; two times the actual pixel clock for screen video interface 1/0 43 PCLK2X 伤寒时驰为屎枣国伶溪口的2倍现安集豪印钟

PARTS LIST

File No.:: AL:-3-E-665 A0

FM:88~108MHz AM:540~1600KHz

Date: 27-01-2002 /24/02/2002

/ode	al No: V10-VC	CD (A.T~CV.)	3400)		REF NO: AL-EP00133
cm Cm	Part NO	2 (10 0)	Description	Qty	Location
1		IC:	TA 8227N	1	<u> </u>
$\frac{1}{2}$	IC-0780802		KA 7808 (SAM SOUNG)	1	
; +	IC-0780502		KA 7805	I	<u> </u>
<u>-</u>	IC-0731203		AN 7312	1	
5	IC-0612104		SL sc 6121-002	1 _	
5	IC-0211101		TA2111N	1	
7	PVC-126200	PVC:	126PF/20PF < DF433DF04-A04 >	1	
8		PCB:	V10-VCD TUNER V2.00	1	
	PCB-V10VCD-0002		V10-VCD PLAY V2.00	1	
10	PCB-V10VCD-0003		V10-VCD KEY, DISPLAY V2.00	1 _	
\dashv	PCB-V10VCD-0004	 	V10-VCD RECTIFIER V2.00	1	
11	PCB-V10VCD-0005		V10-VCD PWR AMP V2.00	1	
12	PCB-V10VCD0006		V10-VCD VOL. BBS V2.00	1	
13 14	PCB-VIOVCD-0007	<u> </u>	V10-VCD BAND SW V2.00	I	
	PCB-V10VCD-0008	<u> </u>	V10-VCD V902P	1	
15	CFI-001070	Filter:	10.7MHz <red></red>	1	
16	CFI-045500	Transcer:	455KHz 〈2-Lead〉	1	
17	CFI-045500	 	465KHz	1	
18	ANT-V10VCD-1000	AM COIL:	120:10T<3+1>Φ11.5mm(Green-Red-Black) L=60mm (White)L=100mm	1	
19		FM COIL:	5mm21/2T Φ0.75mm	1	
20 ~>	FMC-52122	FM COIL.	4.5mm31/2T Φ0.75mm	2	
		TET.	AM <red>; <10mm> 100: 10T</red>	1	
22	AIF-100102	IFT:	AM <yellow>: <10mm> 157:15T</yellow>	1	
23	AIF-157151	<u> </u>	FM <pink>: <10mm>7T</pink>	1	
24	FIF-000070	 	<ac bias,="" gray="">: <10mm> 227:27:4T</ac>	1	
25				9	
26	TRS-090140	Tramsistor:	9014	2	<u> </u>
27	TR\$-080500		8050	1	
28	TRS-00772		772	$+\frac{1}{1}$	
29	ZEN-0068	Zener:	6.8V	1	
30	- 		3.9V	4	<u> </u>
31	+	Diode:	IN 4148	5	
32		 	IN 4001	8	<u>. </u>
33	DIO-053920		IN 5392	2	<u> </u>
34	BSW-430197	Switch:	Function SK 43D01 GM9	-	
35			LCD Driver L-1345	1	

Model No: V10-VCD (AJ-CV3400)

Mod	el No: V10-V0	D (A)-C/3400	<i>)</i>		KEI 140, 145 E1 00155
36			Decode Ass'y	1	
37	BSW-120198	Swit	ch: SS12 F22G9	1	
38	BSW-920199 —	R-P	Switch PS-92D01	1	
39		TAC	CT 5mm	6	
40	BSW-920610	BBS	Switch PS-22E06	1	
41		CD	Door Switch LF-323	1	
42	<u>.</u>	CD	Door Lock	1	
43		RCA	A Socket (3section) Yellow.White.Red	1	
44	JAK-000003	Pho	nes Jack (EJ3507-202)	1	. <u></u>
45		AC	Socket	1	<u></u>
46	LCD-291202	LCD: <29	.1x20.2mm> <vcd></vcd>	1	
47		Infr	ared Receiver	1	· "
48	LED0032	LED: Φ3	mm Red	2	<u>. </u>
225		Ф3	mm Transmit Diode	1	
sò l	VOL-V105001	Volume: B50	KV10	11	
51	BAR-108001	Ferrite Bar: 10x	80mm	1	
52	BAR-103002	Bar holder: 10x	30mm	2	
53	MCP-002220	Mylar Cap: 222	K<0.0022uf>	_ 4	
54	MCP-001530	153	K<0.01uf>	2	<u> </u>
55	MCP-003320	332	K<0.0033uf>	2	. , · ·
56	MCP-003330	333	K<0.033uf>	2	
57	MCP-001040	104	K<0.1uf>	2	<u> </u>
58	MCP-004720	472	K<0.0047uf>	1	
59	MCP-006830	683	K<0,068uf>	1	
60	CCP-00030	Ceramic Cap: 3pf		1	<u>,</u>
61	CCP-00220	22p	f	1	<u>-</u>
\\	CCP-00250	25p	f	2	
63	CCP-00300	30p	f	3	·
64	CCP-01020	102	pf	1	
65	CCP-01500	150	pf	1	
66	CCP-02700	270	pf	2	
67	CCP-03000	300	pf	4	
68	CCP-05000	500	pf	1	
69	CCP-02030.	203	<0,2uf>	11	
70	CCP-01030	103	<0.1uf>	1	
71	CCP-01040	104	<0.1uf>	4	
72	ECP-000224	Elect Cap: 0.22	2uf/50V	1	·
73	ECP-003302	3.31	uf/16V	2	
74	ECP-004704	4.71	uf/50V	8	
75	ECP-001004	luf	/50V	9	
76	ECP-000103	100	f/25V	3	
			0 00		

X.∕adal	No	V10-VCD	(AJ-CV3400)
Model	INO.	V I U - V C D	(VO 010400)

$\overline{}$	<u> </u>	D (AS CICI	1	
77	ECP-000222	22uf/16V	$-\frac{1}{7}$	
78	ECP-000472	47uf/16v		
79	ECP-010002 -	100uf/16v	6	Motor vi
80	ECP-022003	220uf/25v		Motor x1
81	ECP-022002	220uf/16v	3	
82	ECP-047002	470uf/16v	1	
83	ECP-100001	1000uf/10v	4	<u> </u>
84	ECP-100003	1000uf/25v	1	
85	ECP-220003	2200uf/25v	2	
86	RES- A-000101	¹ / ₄ WResistor: 1 OHM	2	
87	RES- A-000681	6.8 OHM	1	
88	RES- A-001001	10 OHM	6	Buzzer x2
89	RES-A-0012001	12 OHM	1	
	RES-A-003301	33 OHM	4	
91	RES-A-010001	100 OHM	1	
92	RES- A-027001	270 OHM	2	
93	RES-A-022001	220 OHM	2	
94	RES-A-033001	330 OHM	3	<u> </u>
95	RES-A-068001	680 OHM	4	
96	RES-A-082001	820 OHM	1	
97	RES-A-000012	1K	4	
98	RES-A-000222	2.2K	7	
99	RES-A-000272	2.7K	1	<u></u>
100	RES-A-000332	3.3K	3	<u></u>
101	RES-A-000392	3.9K	3	
102	·	4.7K	2	
To a		5.6K	2	
104		6.8K	2	
105		8.2K	2	
106	RES-A-001002	10K	4	
107	RES-A-001202	12K	2	
108	RES-A-001502	15K	1	
109		18K	2	
110	··-	22K	4	
111	·	68K	3	
112		1M OHM	1	
113	 	150K	3	
114		¹ / ₈ WResistor: 120 OHM	2	
115	 	820 OHM	2	
116		1K OHM	2	
117	·	7.5K OHM	2	
11/	1000101	2 6 0		-

Model No: V10-VCD (AJ-CV3400)

Mod	el No: V10-V <u>C</u>	D (A)-CA3	400)	1	1001 117.
118	RES-B-000271	_	2.7K OHM	2_	<u></u>
119	RES-B-001001	<u>.</u>	10K OHM	2	
120	RES-B-002201	<u>,</u>	22K OHM	2	
121	RES-B-015001		150K OHM	2	
122	SCR-02605-01	Screw:	MS/PH 2.6x5	1	PVC Wheel x1
123	\$CR-02003-08		TT 2x3	3	Preamp PCB Bracket x3
124	SCR-03016-02		ТА/РН 3х16	7	Rear Cabinet x7
125	SCR-03008-07		MS/BH 3x8	1	FM Antenna x1
126	SCR-02608-02		ТА/РН 2.6х8	19	Tunner PCB x4 VOL PCB Bracket x7 CD Key PCB x4 Tuner PCB Holder x2 Rectifier x2
127	SCR-03008-02	-	ТА/РН 3х8	11	Main PCB x3 CD Door gear holder x1 Decode&Servo Pcb x4 Preamp PCB x3
128	SCR-02606-03		TA/WH 2,6x6	2	CD Knobx2
<u> </u>	SCR-02608-06		TA/BH 2.6x8	2	Front Cabinet Bracket x2
130	SCR-02006-02		TA/PH 2x6	1	CD Magnet holder x1
131	SCR-03010-02		ТА/РН 3х10	7	Cass door gear holder x1 Deck x4 Front Cabinet Bracket x2
132	SCR-03006-02		TA/PH 3x6	2	Switch SS12 F22G6 x2
133	SCR-02610-06		TA/BH 2.6x10	12	Speaker grille holder x8 Front Cabinet holder x4
134	SCR-03006-01		MS/PH 3x6	2	7805x1 7808x1
135			TA/PH 2x10	1	CD Door Switch x1
136	·	<u> </u>	TA/WH 3x14	I	CD Deck
137	SCR-03012-0.3		TA/WH 3x12	2	Tramsforuer x2
138	SCR-03012-02		TA/PH 3x12	2	AC Socket
139	SCR-02608-03	1	TA/WH 2.6x8	2	Cass door cover x2
	SCR-03010-03		TA/WH 3x10	9	SPx4 Regulator source PCB x2 CD Deck x
141			TA/KH 2.6x10	4	CD Deck Bracket x2 RCA Plug x2
142	SCR-02308-03		TA/WH 2.3x8 <head φ5mm=""></head>	1	Pointer Switch x1
143	SCR-02308-03		TA/WH 2.3x8 <head φ8mm=""></head>	2_	Band Switch x2
144	SPR-V10VCD0024-07	Spring:	V10 Cass door spring	111	
145			V10 CD door spring	1	·
146	· ·		V10 Battery Plate "+"	1	
147			V10 Battery Plate "-"	1	
148			V10 Battery Plate "+ -""A"	1	
149			V10 Battery Plate "+ -""B"	I	
150			V10 Battery Plate "+ -""C"	I	
151			Fuse holder	4	
152	- "	Fuse:	5x20mm <t1.6a></t1.6a>	1	
153			5x20mm <t2.5a></t2.5a>	1	Regulator source PCB x1
154	HES0822701	Heat sink:	V10 Heat sinkTA8227	1	
	1	<u> </u>			

ir n	, - _k	- (AT-0773A00)		REF NO: AL-EP00133
		D (AJ-CV3400) Power source heat sink	1	
155			1	
156	 	FM Antenna Soldering Plate: Speaker Grille: 8 OHM 3W Φ45 3.5" (C&T Brand)Circle	2	
157	 	7	1 ((Follows the produce order)
158		Titalorom	1	
159	·	Speaker Grille: R	ī	
160		L(Small)	1	
161	 	R(Small)	1	
162	 	Buzzer Φ 16MM	2	
163	 	LCD Window plastic Plate	1	
164	 	FM telescope antenna: V10	1	
16:		Deck: Motor12V STEREO head :L=30MM Recording Plate Brase head:6PA	1	
16		CD Mechanism: S4M SUNG CMS-B31V	1	
10		Magnet: Φ30xΦ16x5mm	1	<u> </u>
16			1	
17		CD antishock rubber: Red TY-717<40°>	2	<u> </u>
17		Green TY-717<30°>	2_	
17		Food Φ11. 5mmx2. 5mm	4	
17		Wafer (2. 0mm) 2PIN	4	<u> </u>
-	74 WAF-2003	3PIN	2	<u> </u>
⊢	75 WAF-2004	4PÍN	3_	
<u> </u>	76 WAF-2007	7PIN	1	
_	77 SIN-2026	Single housing With Wire (2.0mm) 26# 	 _ -	FM Antenna x1 PWR PCB to Source PCB
1	78 SHW-202630002	Single housing With Wire 2PIN Red L=300MM	2	x1
⊢	79 SHW-202650005	Single housing With Wire 5PIN Red Black L=170M	<u> 1</u>	CD door Switch x1
		Single housing With Wire 26# 〈2.5mm〉	↓	Regulator source to Decode PCB
	81 SHW-252620002	2PIN Red、Black L=200MM	1	5Vx1
-	182 SHW-252623002	2PIN Red、White L=230MM	1	Regulator source to Decode PCB 8Vx1
┟	183 SHW-252635003/41003	6PIN Red、Yellow、White L=350mm Black、Drange、Green L=410mm	1	Keyboard PCB x1
-		Single housing With Shield: (2.5mm)	↓_	1 202-1
: ⊩	185 SHS-2515003	3PIN L=150MM	1	
} ⊢	186 SHS-2512005	5PIN L=120MM	1	PWR PCB to Regulator PCBx1
; -	187	Single housing With Shield: (2.0mm)	<u> </u>	
: H	188 SHS-2030003	3PIN L=300MM	1	PWR PCB to Sowrce PCB x1
† F	189	Single housing With Wire (2.0mm) 26#: UL	 	
; -	190 SHS-20263000228		1	
i	191 SHS-20263500228	Single housing With Wire 2PIN Red. Brown L=350MM	1	
: L	192 SHS-2026210/350032	239 Single housing With Wire 3PIN Red, Black L=210MM OrangeL=350mm	1	
: }	193 SHS-202625004218	O-page I = 250MM	1	Tuner PCB x1

Model No: V10-VCD (AJ-CV3400)

. 1	el No: V10-VC	n (AJ-CV34)	00) 		REF NO: AL-ER 00133
$-\tau$	SHS-2026120/420047312	D (Ind and	Single housing With Wire 4PIN White, Black L=120mm Yellow, Red L=420mm	1	SPx1
_+	SHS-2026130071795824		Single housing With Wire 7PIN Yellow, White, Orange, Green, Brown, Red, Blue 1=130MM	1	
95				1	Premp PCB x1
196	90 ⁶ W2006 WIR-260502	Wire 26# 	90° 6PIN<2. 0MM>		Stereo LED x1 Keyboard TCB x1 Band switch x1
197	WIR-260503		50MM Black		Stereo LED x1 Keyboard TCB x1 Band switch x1
198		 -	50MM Green		Band switch x1
199	WIR-260504	<u> </u>	180MM Orange	1	Deck switch to Motor x1
200	WIR-261809	<u> </u>	120MM Red	1	Battery "+"to AC Socket x1
201	WIR-261202	<u> </u>	320MM Black	1	Battery "+"to AC Soure PCB x1
202		 	380MM Orange	1	AC Socket to source PCB x1
203	WIR-263809	 	60MM Yellow	1	Fly wire x1
204	<u> </u>	- AOH 477.	120MM Red	2	Buzzer x2
) WIR-321202	Wire 32# 	120MM Black	2	Buzzer x2
206	WIR-321203	<u></u>		+	
207		Double housing w	vith wire (2.0mm) Double housing 6PIN L=150MM	I	CD Servo PCB to CD Motor
208		VV	lat Cable (Pitch = 1.0mm)	\top	
209	 	Housing With Fi	16PIN CD Pickup Flat Cable L=220MM	1	CD Pick up x1
210		TT3 33/2 1	(2.0mm) Single housing With Shield: L=14	0 1	Head Wire xl
211		- 	2x4	8	
<u> </u>	2 SPR-V10VCD0024-0	 -	Front Cabinet	1	
213	- 		Rear Cabinet	1	
214	-\		Front Cabinet Cover	1	
21:			Battery Door	1	
210			Cassette Door	1	
21	·		Cassette Door Holder V10	1	
2 1			CD Brack	1	
21			CD Door Lock	1	
22	 		Cass.Door.Gear <v10></v10>	1	
22			Cass.Door.Holder <v10></v10>	$\frac{1}{1}$	
22		. 	Cass.Knob.Cover.Brack (Left)	1	
22	·- 	- 	Cass.Knob.Cover.Brack (Right)	$\frac{1}{1}$	
22		-·- -	Speaker Grille electroplate Bracket (Right)	1	
\vdash	25 SPG-V10-VCD04		Speaker Grille electroplate Bracket (Left)	$\frac{1}{1}$	
-	26 SPG-V10-VCD04		Upper Speaker Grille electroplate Bracket Cover (Left)		
⊢	27 USG-V10-VCD05	· 	Lower Speaker Grille electroplate Bracket Cover (Left)		
22	28 LSG-V10-VCD06		Upper Speaker Grille electroplate Bracket Cover (Right)		
2:	29 USG-V10-VCD05	_	Lower Speaker Grille electroplate Bracket Cover (Right)		
⊢	30 LSG-V10-VCD06	- 			1
2	31 PPB-V10-VCD		Preamp PCB Bracket		I
-1	32 CDD-V10-VCD00	100	CD Door 6 of 8		

Model No:	V10-VCD	(AJ-CV3400)

1	'NO. 3710 37CT	(AJ-CV3400)		REF NO: AL-EF00133
	No: V10-VCD	(AJ-CV3400) CD Door Gear <v10></v10>	1	
	DD-V10-VCD0003	CD Door Gear Holder <v10></v10>	1	
 -	AN-V10-VCD-00	Handle	1	
-	CNB-V10-VCD001	Cass.Knob	6Pcs/1set	
-1-	KNB-V10-VCD006	Cass.Knob Cover	1	
-	DF-V10-VCD0001	CD Function Knob	1	
	DF-V10-VCD0002	CD Play Knob	1	
_		CD Switch Bracket	1	
	DD-V10-VCD0004	LCD	1	
	_CD-V10-VCD0001	LCD Electroplate Bracket	1	
	CDF-V10-VCD0003	CD Play Knob Electroplate Bracket	ī	
-	COM-V10-VCD0003LA	Speak Clip (Left A)	1	
	COM-V10-VCD0003LB	Speak Clip (Left B)	1	
	COM-V10-VCD0003EB	Speak Clip (Right A)	1	
· .		Speak Clip (Right B)	1	
	COM-VIO-VCD0003RB	DBBS Knob	1	
	KNB-V10-VCD008	Volume Knob	1	
	KNB-V10-VCD-0003	Dial Knob	1	
+	KNB-V10-VCD-0004	Function Knob	1	
 -	KNB-V10-VCD-0002	Band Knob	ī	
-+	KNB-V10-VCD-0002	Pointer Knob	I	
	POT-V10-VCD0001	Pointer Bracket	1	
	POT-V10-VCD0002	Tuning Gear	1	
	GER-V10-VCD0001	PVC Gear	1	
	GER-V10-VCD0002	Volume PCB Bracket <a>	1	
	VOP-V10-VCD00A	Volume PCB Bracket 〈B〉	2	
258	VOP-V10-VCD00B	Dial Lens	1	
	LEN-V10-VCD0001		1	
	MAG-V10-VCD0001	Magnet holder Recording Press Plate Bracket	-\- <u>-</u>	,
261	RPB-VIO-VCD00	Pointer Press Plate Bracket	$\frac{1}{2}$	
262	POT-V10-VCD0003.			
	MAG-V10-VCD0002	Magnet Ring Bracket	$\frac{1}{1}$	
 }	MAG-V10-VCD0003	CD Magnet holder	$-\frac{1}{1}$	
265	MAG-V10-VCD0004	Magnet Cover	$\frac{1}{1}$	
266	COM-V10-VCD0004	Voltage Select Switch Cover		<u> </u>
267	COM-V10-VCD0005	Dustproof Cover (SAM SUNG)	$\frac{1}{1}$	
268	COM-V10-VCD0006	AC Socket Cover	$\frac{1}{1}$	<u>+</u>
269	COM-V10-VCD0007	Pickup Flat Calde Holder	$-\frac{1}{1}$	
270	POF-V10VCD-1001	Package: Polyfoam: "L"		
271	POF-V10VCD-1002	"R"	1 1	
272		Gift Box	1	
273	CTN-V10-VCD-04-01	Carton	_	

1ء د ء م	i. Varan V10-VCI	(AJ-CV3400)	REF NO: AL-EP00133
	NS-V10-VCD-04-01	Instruction Book	1
* ' -	LAB-V10-VCD-02	Laser Label	1
	PTE-V10-VCD-01 04	Rear Plate (Rating Label)	1
277	WIR-900002	AC Line Cord	1
	LAB-V10-VCD-07	CD Bracket Paper	1
	PBG-V10VCD-0701	Poly Bag	1
280	BST-03001015	Black Silk Tape L300MMxW10MMxT0	. 15MM 1
281	PYP00110	Pyrocondensation pipe: Φ1MMx10MM	1
282	LAB-V10-VCD-08	Caution Label	1
	WAS-03101	Ferba Washer: 3x10x1mm	3 CD Machanism x3
283	BPP-V10-VCD	Black Poly Plate (VCD High Free	gnency 1
285	NEW-003080	Nylon enlace wire: 3MMx80mm	7
286	PAS900070	Packege Strip: L900mmxW70mm	1
		Addition Parts as follows if 110V/220V	
	WIR201302	Wire: 20# 130MM <red></red>	1
289	SCR-03008-02	Screw TA/PH 3x8	2
. —	COM-V10-VCD-0009	110V/220V Select Switch	1

Switch Cover

COM-V10-VCD-0008

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ALPHA

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