S/M NO : PASP42B001

DAEWOO

Service Manual

42” PLASMA PDP TV

CHASSIS : PASP42B3D3S0

Model : DPX-42D1NMSB
DPX-42D1

DAEWOO ELECTRONICS Corp.
http : //svc.dwe.co.kr

CONTENS

1.Safety Precautions

(1) When moving or laying down a PDP Set, at least two people must be working. Avoid any impact towards the PDP Set.

(2) Do not leave the broken PDP Set on for a long time. To prevent any further damages, after check the broken Sets condition, make sure to turn the power (AC) off.

(3) When opening the BACK COVER, turn off the power (AC) to prevent electric shock. When a PDP is on, high voltage and high current exist inside the Set.

(4) When loosening screws, check the connecting position and type of the screw. Sort out the screws and store them separately. Because screws holding PCB are working as electric circuit GROUNDING, make sure to check if any screw is missing when assembling.

(5) If you open the BACK COVER, you will see a Panel Gas Exhaust Tube . If this part is damaged, entire PDP PANEL must be replaced. Therefore, when working, be careful not to damage this part.

(6) A PDP Set contains different kind of connector cables. When connecting or disconnecting connector cables, check the direction and position of the cable beforehand.

(7) When disconnecting connectors, unplug the connectors slowly with care. Especially when connecting/disconnecting FFC (film) cables or FPC cables, do not unplug the connectors too much instantaneously or strongly, and always handle the cables with care.

(8) Connectors are designed so that if the number of pins or the direction does not match, connectors will not fit. When having problem in plugging the connectors, make sure to check their kind, position, and direction.

2. Product Specification

2-1. DPD-42D1GMB Product Specification

ITEM	SPECIFICATION	REMARK
1. GENERAL		
1-1MODEL NO	DPX-42D1NMSB	
1-2. CHASSIS NO	PASP42B3D3S0	
1-3. SCREEN SIZE	42”(16:9)	
1-4. COUNTRY	South America	
1-5. RESOLUTION	852(H) X 480(V)	
1-6. REMOTE CONTROL	DDR-2020C03	
1-7. TUNING METHOD	FS	
2. ELECTRICAL		
2-1. VIDEO INPUT	COMPOSITE(NTST, PAL, SECAM, PAL-M/N,NTSC4.43) 2SETS & S-VHS(50/60Hz) 1SET	
2-2. Component INPUT	1080 i, 720P, 480P , 480i, 576P, 576i (Y, Pb/Cb, Pr/Cr COMPONENT SIGNAL) 2 SETS	
2-3. PC INPUT	15Pin D-Sub 1 SET (1280 x 1024 60Hz max.)	
2-4. HDMI INPUT	HDMI 1 SET	
2-5. TV INPUT		
1) COLOR STANDARD	NTSC, PAL-M/N	
2) ANTENNA IN	ONE INPUT 75Ω Unbalanced (F-STANDARD)	
3) RECEPTION CHANNEL	VHF LOW : 48.25MHz ~ 160MHz. HIGH : 160MHz ~ 442MHz. UHF : 442MHz ~ 801.28MHz	
4) IF & SUBCARRIER	PIF : 45.25MHz(NTSC) SIF : 41.25MHz (NTSC)	
2-6. SOUND INPUT	Component 2SETS, COMPOSITE 2SETS, PC 1 SET, HDMI(DVI) 1 SET	
2-7. SPEAKER OUTPUT	10W(R) + 10W(L)	
2-8. AUDIO OUTPUT	Audio Line Out 1 SET	
2-9. POWER REQUIREMENT	AC 100V~240V, 50/60Hz	
2-10. POWER CONSUMPTION	340W	
2-11. RS-232 /USB CONTROL	RS-232 (FOR SYSTEM UPGRADE) ,	
2-12. FUNCTIONS		
1) SCALING	HDMI : Wide / Panorama / Zoom / 14:9 / 4:3 PC : Wide / 4:3 / 1:1 TV, A/V, Component : Wide / Panorama / Zoom, 14:9 / 4:3	
2) OSD	4 LANGUAGES(ENGLISH, FRENCH, SPANISH, PORTUGUESE)	
3) ETC	STILL, SLEEP MODE, PICTURE MODE, SOUND MODE, TIMER, SCREEN MODE, Blue Screen, PANEL PROTECTION (Screen Wiper & Pixel Shift)	

Product Specification

ITEM	SPECIFICATION	REMARK
3. MECHANICAL		
3-1. APPEARANCE		
1) WITHOUT STAND	WxHxD= 1,113.5 x 744 x 101.5 mm	
2) WITH STAND	WxHxD= 1,113.5 x 822 x 351 mm	
3) CARTON BOX	WxHxD= 1,278 x 860 x 377 mm	
3-2. WEIGHT		
1) WITHOUT STAND	29.5 Kg Net	
2) WITH STAND	38.5 Kg Net	
4. OPTICAL		
4-1. SCREEN SIZE	42 inches(106.68 Cm)	
4-2. ASPECT RATIO	16:9	
4-3. NUMBER OF PIXELS	852(H)X480(V)	
4-4. DISPLAY COLOR	16.77MILLION COLOR(RGB 8BIT)	
4-5. CELL PITCH	1080㎛ x 1080㎛ x RGB	
4-6. VIEWING ANGLE	160DEGREE(VERTICAL/HORIZONTAL)	
5. USERCONTROL & ACCESSORIES		
5-1 CONTROL BUTTON(SET)	CH+ / CH- / VOL+ / VOL- / AV	
5-2. REMOTE CONTROL	POWER, MUTE, TV, PC/HDMI, AV.SEL, SOURCE, MENU, EXIT, CH-, CH+, VOL-, VOL+, ENTER, CH.ADD, AVC, PIC.SIZE, PIC.MODE, MTS, S.MODE, PIP, P.INPUT, P.POSITION, P.SIZE, P.SWAP, STILL, 0~9, +100, PRE-CH, SLEEP, KEY LOCK	
5-3. ACCESSORIES	REMOCON, USER MANUAL, POWER CORD, BATTERY X 2(AAA SIZE)	

Product Specification

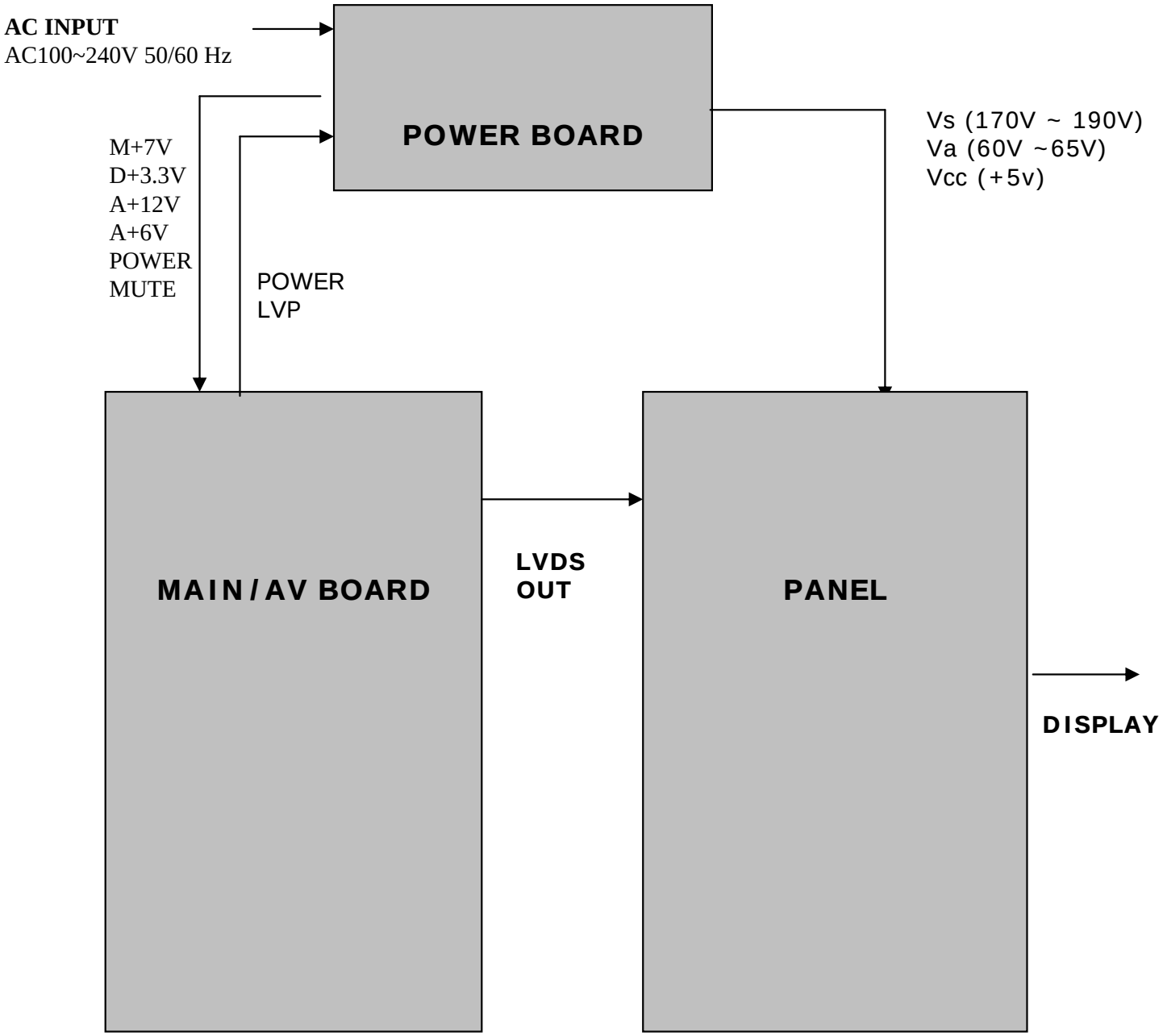
2-2. Available input signal

Section	Resolution	H Frequency (KHz)	V Frequency (Hz)	Pixel Frequency (MHz)	Comment
PC Resolution (Analog RGB)	640x400	37.861	85.08	31.5	
	640x350	31.469	70.087	25.175	
		37.861	85.08	31.5	
	640x480	31.469	59.94	25.175	
		37.861	72.809	29.765	
		37.500	75.0	31.5	
		43.269	85.008	36.0	
		45.540	90.0	37.889	
	720 X 400	31.469	70.087	28.322	
		37.927	85.039	35.5	
	800x600	35.156	56.25	36.0	
		37.879	60.317	40.0	
		43.764	70.020	45.5	
		48.077	72.188	50.0	
		46.875	75.0	49.5	
		53.674	85.061	56.25	
		56.880	90.0	60.065	
	1024 X 768	48.780	60.001	64.11	
		48.363	60.004	65.0	
		56.476	70.069	75.0	
		60.030	75.029	78.75	
		60.241	74.927	80	
		68.677	84.997	94.5	
		72.810	90.0	100.187	
	1152 X 864	53.700	60	81.6	
		62.932	69.924	96.6	
	1152 X 864	67.500	75.0	104.993	
	1152 X 900	61.846	66.0	94.787	
		72.713	76.047	105.561	
	1280 X 768	47.700	60.0	80.136	
	1280 X 960	60.000	60.0	102.104	
	1280 X1024	63.337	59.978	108.18	
		63.981	60.02	108.0	
	1360 X 768		60		nVidia Only
DTV Resolution (Component/Analog RGB/HDMI(DVI))	720 X 480	31.469	59.94	25.175	
	720 X 480	31.5	60	27.027	
	720 X 576	31.250	50.0	26.566	
	1280 X 720	44.964	59.94	74.176	
	1280 X 720	45	60	74.25	
	1920x1080	33.750	60.0	74.25	
	1920x1080	33.176	59.94	74.176	
	1920x1080	28.125	50.0	74.25	
	1920x1080	31.25	49.96	74.25	

* DVI doesn't support PC resolutions, it only support DTV resolutions!
* Shade Box is Not Support or requires compatibility Test

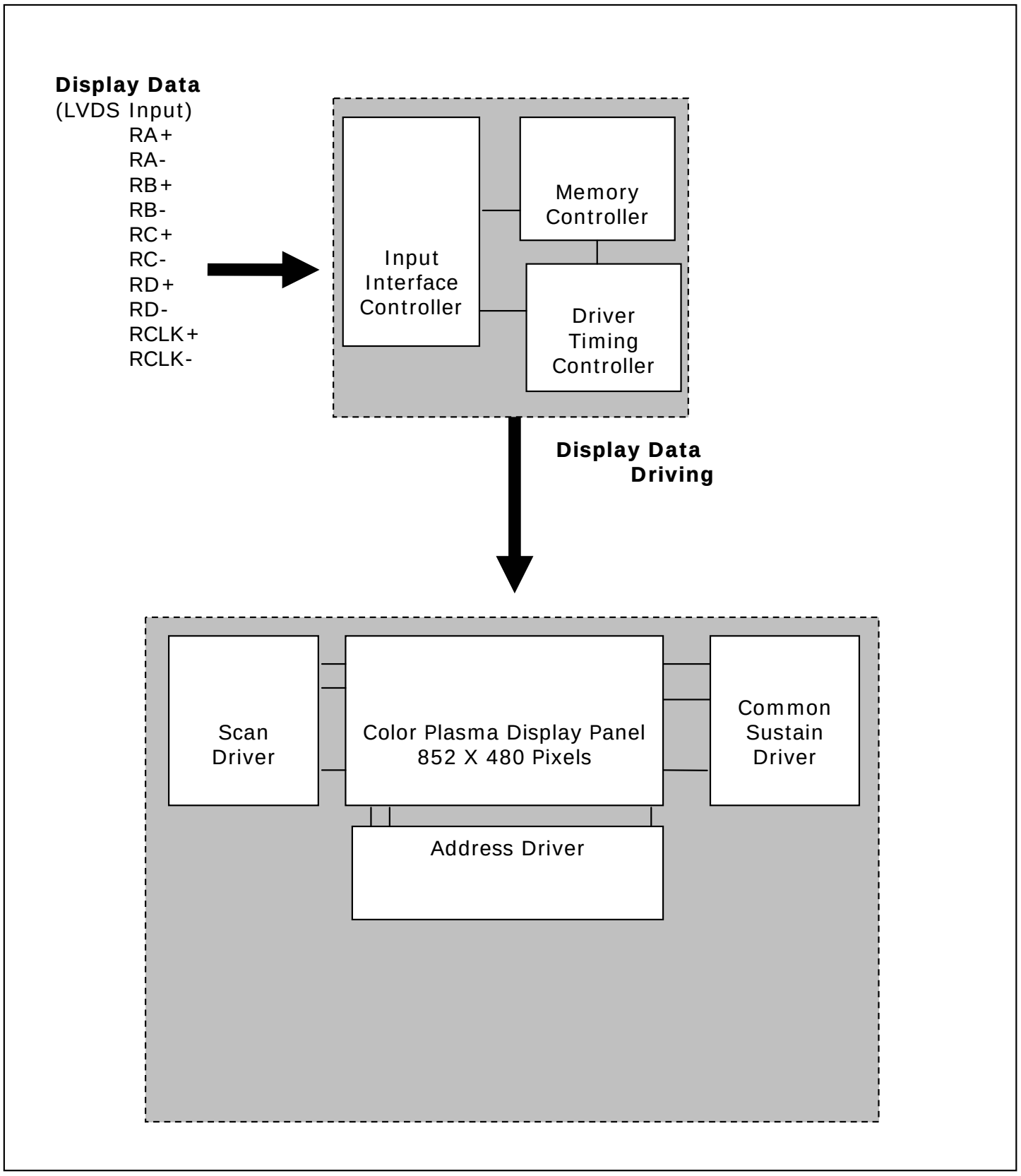
3. Block Diagram

3-1. Basic Block Diagram

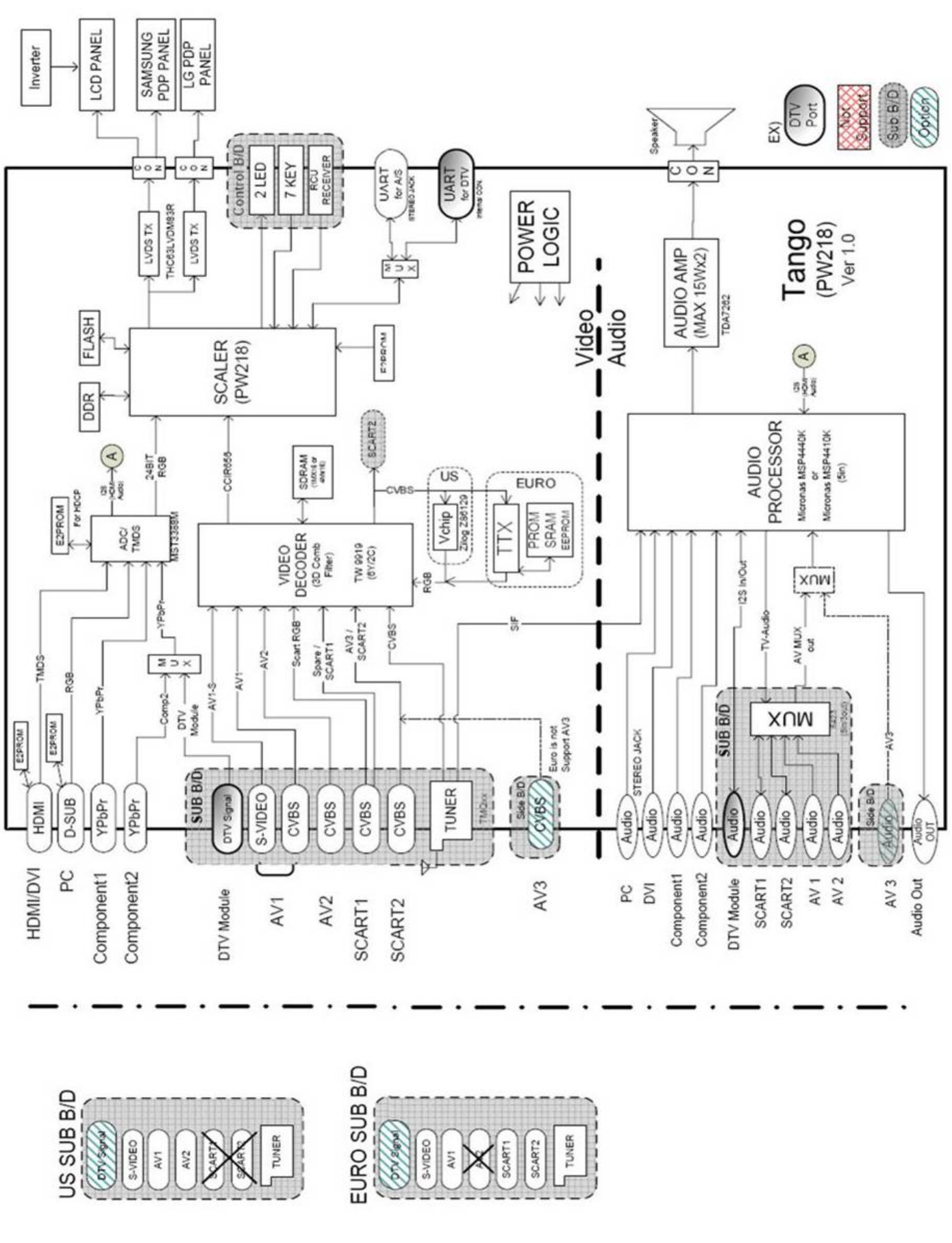


Block Diagram

3-2. Panel Block Diagram

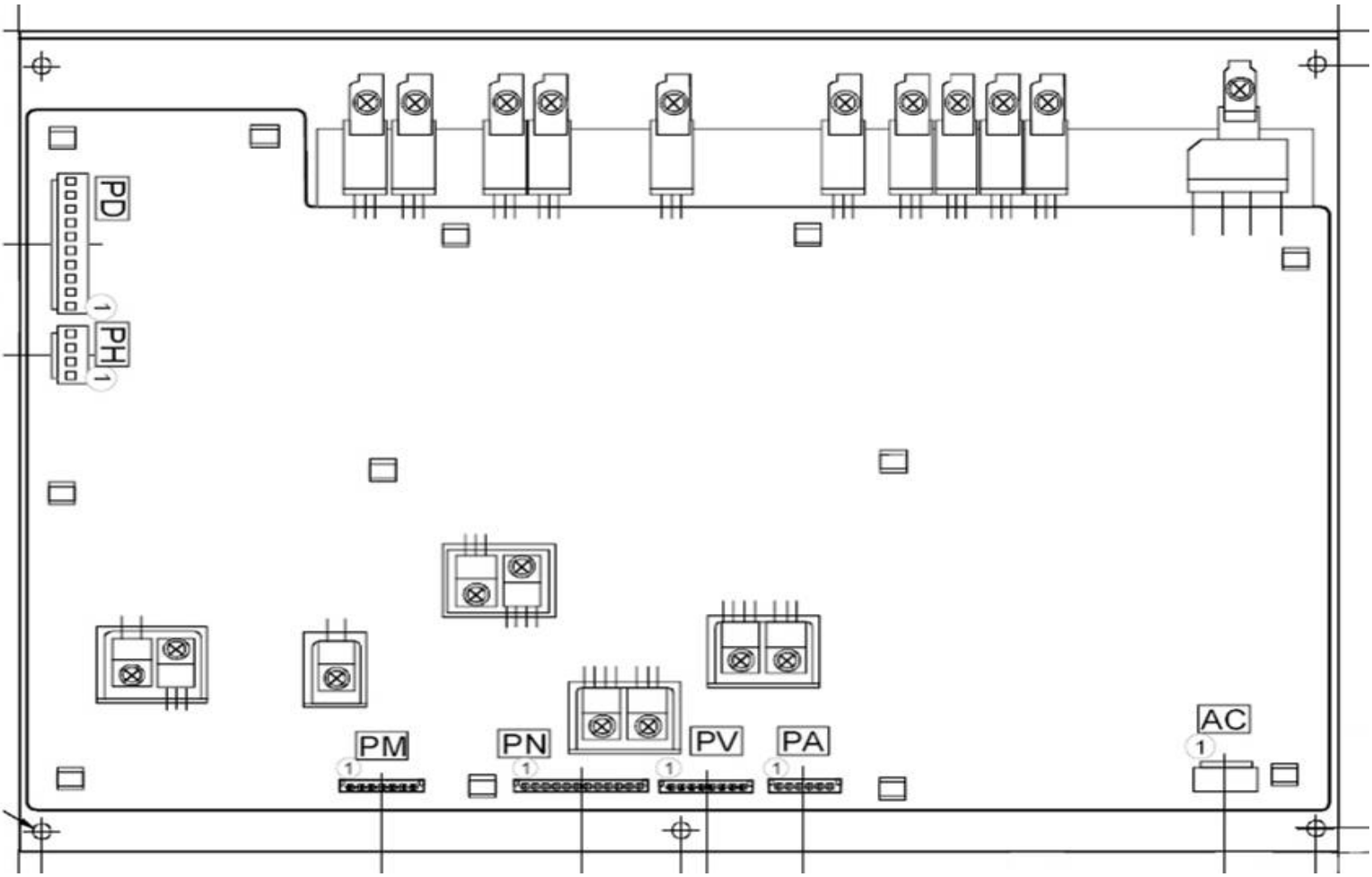


4. A/V Block Diagram



5. Description of POWER PCB

5-1. Input/Output pin assignment & specification



Output connector

Connector name		PD	PH	PA	PN	PM	PV
Model name		B10P-VH	B4P-VH	B6B-EH	B12B-EH	B7B-EH	B8B-EH
The number of pins		10	4	6	12	7	8
Pin number	1	LVP	Vcc (5V)	S+12	D+3.3	M+7	A+12
	2	D.GND	Vcc (5V)	S+12	D+3.3	D.GND	A.GND
	3	D.GND	D.GND	S+12	D+3.3	POWER	A+6
	4	D.GND	D.GND	S.GND	D.GND	D.GND	A+6V
	5	D.GND		S.GND	D.GND	POMUTE	A.GND
	6	Vd (60V)		S.GND	D.GND	NC	A.GND
	7	Vd (60V)			D+2.5	NC	NC
	8	NC			D+2.5		NC
	9	Vs (170V)			D+2.5		
	10	Vs (170V)			D.GND		
	11				D.GND		
	12				D.GND		

Input connector

Connector name		AC
Model name		B02B-VT
The number of pins		2
Pin number	1	L
	2	N

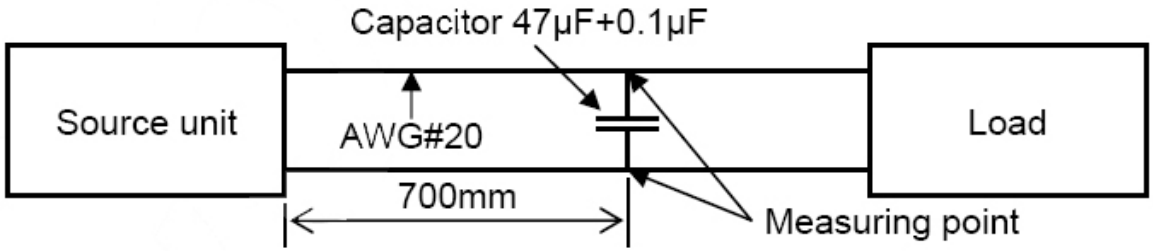
5. Description of POWER PCB

5-2. Output specification

Output Voltage & Load Condition

No	Output Name	Nominal Voltage (V)	Variable range (V)	Voltage accuracy *1	Nominal current (A)	Load current range (A)	Ripple/Noise (mVp-p) * 2
1	Vs	170	135-180	±5V *3	1.6	0. 4~1.8	400/
2	Vd	60	50-70	±2V *3	1.6	0.01~2.0	200/500
3	Vcc	5	4.75-5.25	±5%	4.0	1.2~4.5	30/200
4	D+3.3	3.3		±4.5%	1.9	0.5~2.3	30/200
5	D+2.5	2.5		±4.5%	1.9	0.5~2.3	30/200
6	A+12	12		±5%	0.5	0.2~0.7	100/400
7	A+ 6	6		±5%	1.2	0.0~1.5	30/200
8	S+12	12		11.5-13.2	1.9	0.0~2.6	50/500
9	M+7	7		6.7-7.5	1.0	0.005~1.0	50/400

*1 Voltage accuracy includes Source Effect, Load Effect, Temperature Drift, and Drift/Time Effect.
*2 Measurement of a ripple/noise



6. Service Mode

6-1. ENTERING METHODE OF SERVICE MODE
1 => MUTE => (RECALL ⏎) => MUTE BUTTON on the remote control
(You can exit from Service mode by press power button on the remote control)

6-2. DEFAULT VALUE OF SERVICE MODE
(1) DEFAULT VALUE OF Color Control

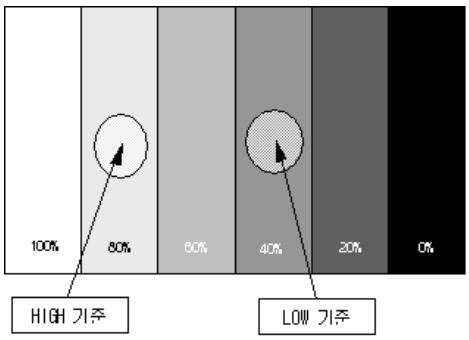
DPX-42D1NMSB(Default Value)			
Sub Brightness	123	Sub Contrast	100
Red Offset	122	Red Gain	122
Green Offset	117	Green Gain	100
Blue Offset	127	Blue Gain	119

(2) Calibration Mode
Do not adjust.
(3) Option Table Mode
Do not adjust.
(4) Device Adjustment Mode
Do not adjust.
(5) Heat Run Mode
Heat Run.
(6) Version

-. Version: Tango-Tri_D2 Ver -.--
-. Release Day: MONTH/ DATE / YEAR
-. Release Time: HOUR/ MIN/ SEC
-. Panel used time: DATE/ HOUR/ MIN (PANEL USEDE TIME)
-. Panel Name: PDP_PI42_####_SD
(7) Reset
RESET TV.

7. Adjusting Method

7-1. Adjusting WHITE BALANCE
(1) Input 5 STEP GRAY SCALE PATTERN to Video Input Terminal.
(2) Set the SCREEN MODE to NORMAL.
(3) Enter SERVICE MODE by inputting remote controllers ["1" => "MUTE" => "RECALL"=> "MUTE" BUTTON], and then select "COLOR CONTROL" and check Default Values of SERVICE MODE Items.
(4) Attach WHITE BALANCE METER(FACTORY USE METER: CA-100) SENSOR to 80% Gray Scale part.



(5) Adjust WHITE BALANCE by varying R,G,B GAIN
-. Control R,G,B GAIN values so that the ranges are within Default Value10. If deviate from the range, classify the SET disqualified.
-. Set color coordinate to x = 0.2800.01, y = 0.2900.01 and color temperature to above or equal to 10,000K.
(6) Attach WHITE BALANCE METERs SENSOR to 40% Gray Scale part.
(7) Adjust WHITE BALANCE by varying R,G,B BIAS-. Control R,G,B BIAS values so that the ranges are within Default Value5. If deviate from the range, classify the SET disqualified.-. Set color coordinate to x = 0.2800.01, y = 0.2900.01.
(8) Repeat above (4) ~ (7) until color coordinate is x=0.280, y=0.290. Attach WHITE BALANCE METERs SENSOR to 100% Gray Scale part. Control SUB CONTRAST so that LUMINANCE is above or equal to 140 Cd/m2.
(9) Press "Power" button and Exit SERVICE MODE.

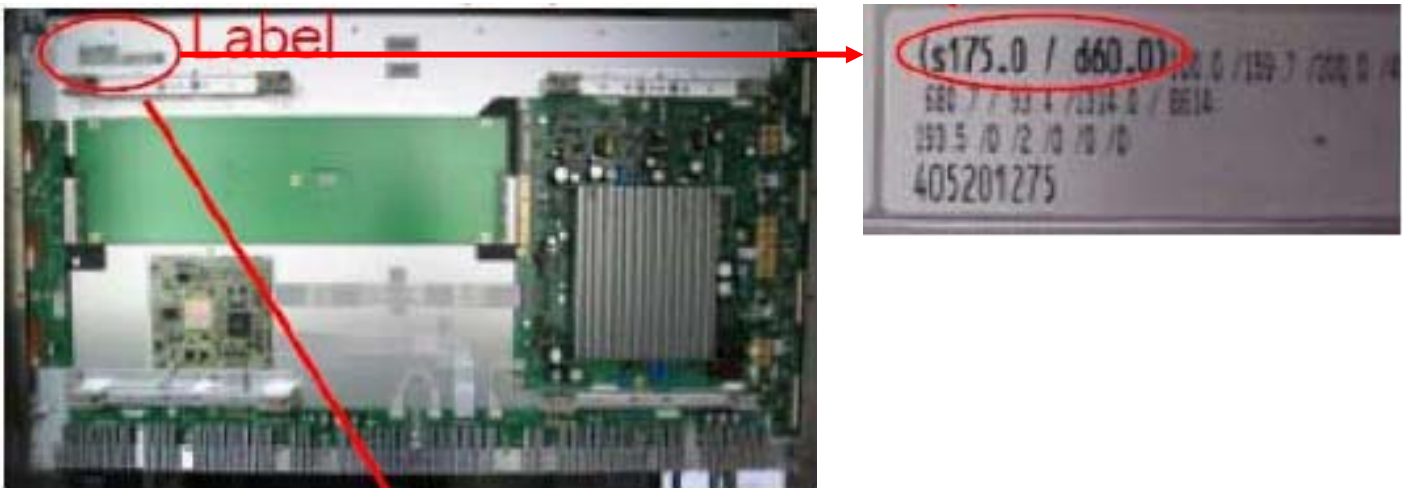
DPX-42D1NMSB(Default Value)			
Sub Brightness	123	Sub Contrast	100
Red Offset	122	Red Gain	122
Green Offset	117	Green Gain	100
Blue Offset	127	Blue Gain	119

Adjusting Method

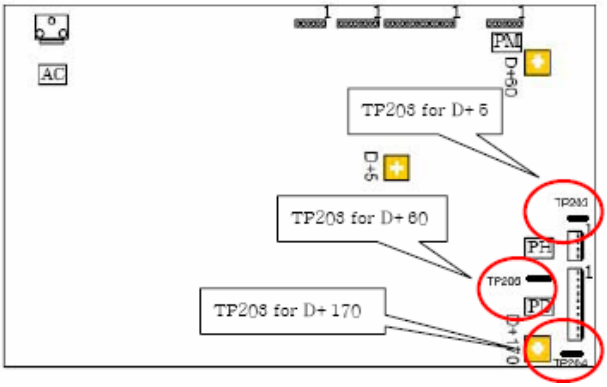
7-2 POWER BOARD Adjustment

(1) Turn On the PDP TV and Display Full white Pattern
(2) Check the Voltage Label
(3) Check the Voltage by using Multimeter each Test Point
(4) Adjust the each Voltage Very slowly, witted voltage at the label

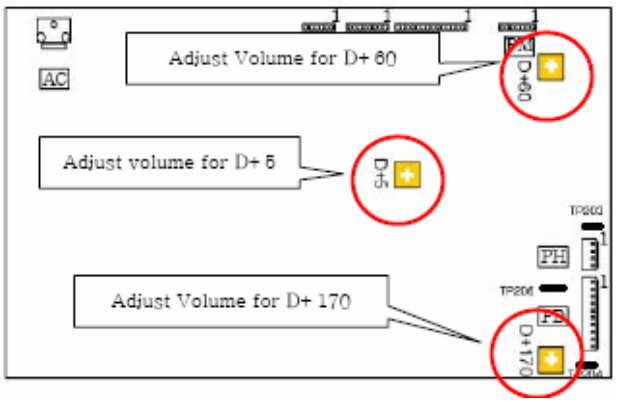
Voltage Label



Test Point



Adjust Volume



8. SOFTWARE UPGRADE Method

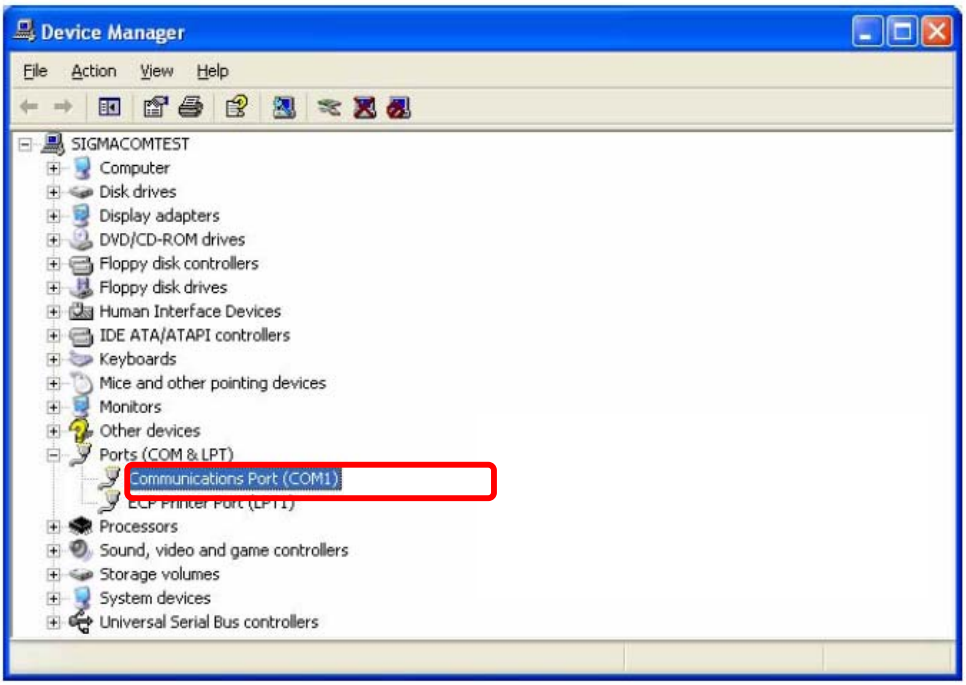
8-1. Preparation

(1) IBM PC with Serial Port (D-Sub 9 Type)
(with Windows98, Windows ME, Windows NT, Windows 2000, Windows XP)

(2) Update Cable (D-sub 9 pin mail to Phone Jack)

8-2. UPGRADE Method

(1) Check the com port is available. if com port is not available, you must install com port.

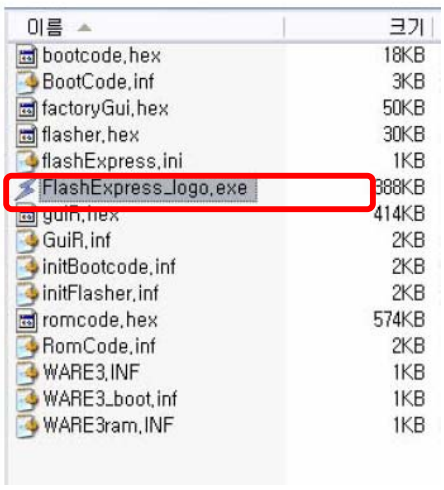


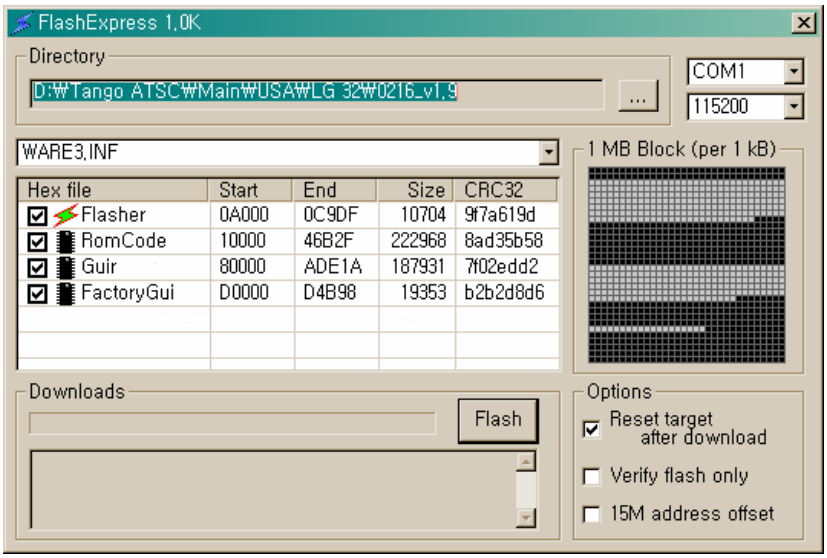
(2) Plug out power cable form PDP TV's Power inlet.

(3) Connect phone jack to PDP TV's upgrade port.

(4) Connect D-sub 9pin jack to computer com port.

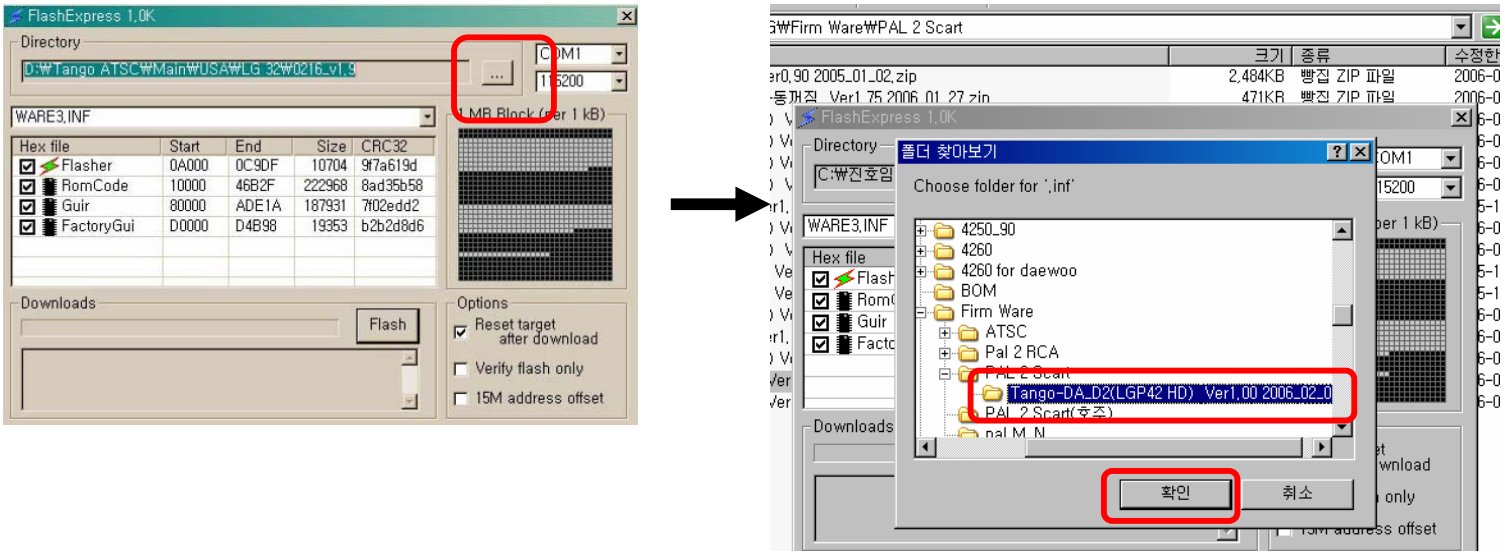
(5) Run PC's Flashexpress_nologo.exe



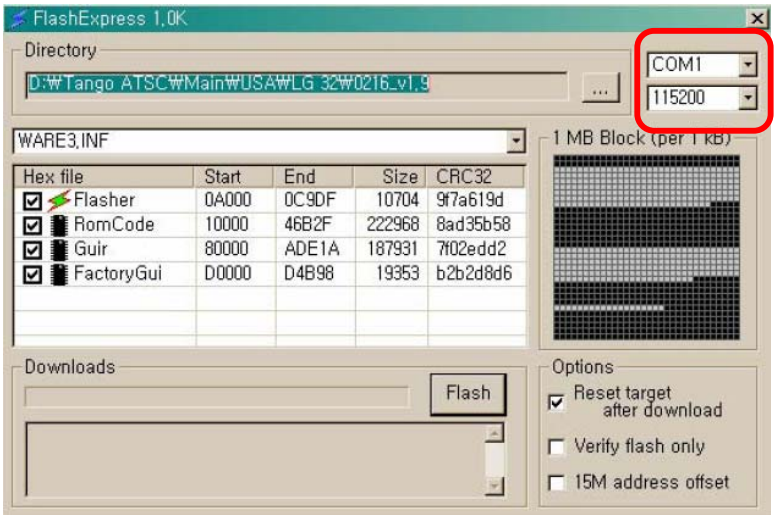


SOFTWARE UPGRADE Method

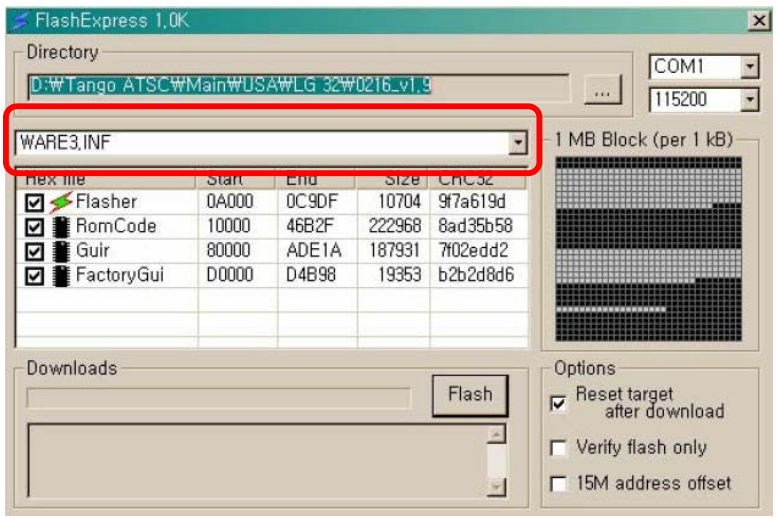
(6) Select Upgrade folder by pressing [...] button and Select firmware folder



(7) Select COM port and baud rate(1152000)

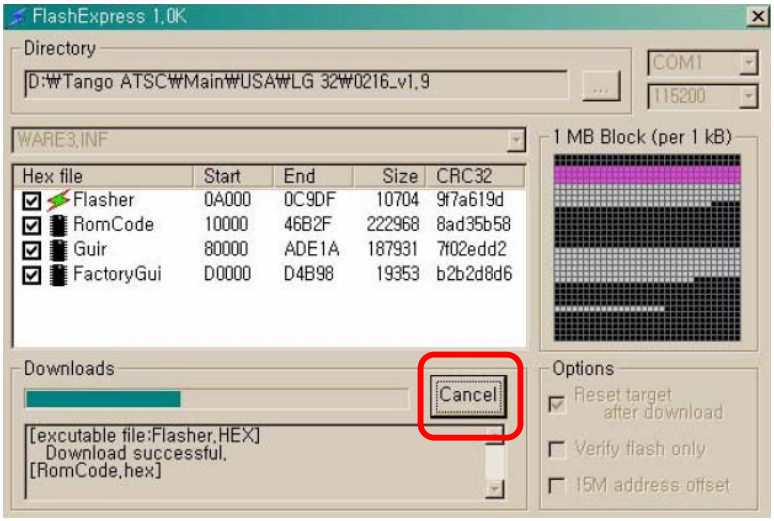


(8) Select WARE3.INF.

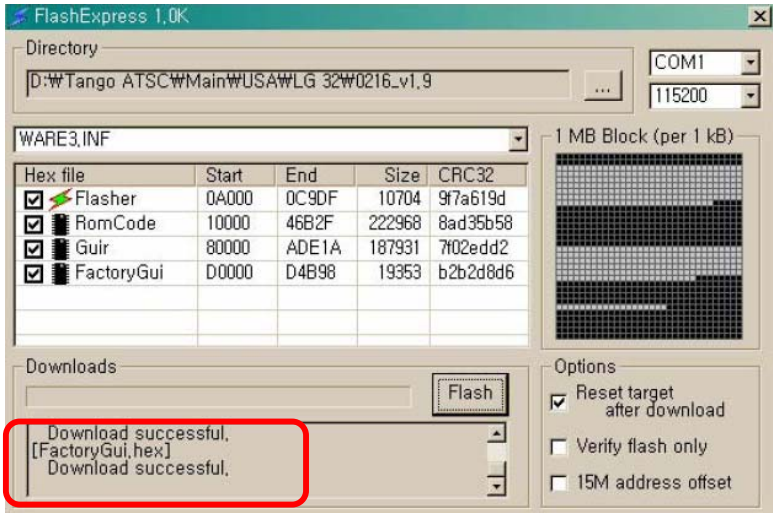


SOFTWARE UPGRADE Method

(9) Press the Flash button and plug in power code to PDP's power inlet.



(10) When all files Upgrade are complete, "Download successful" (below) will come out.



(11) Check Firmware Version and reset PDP TV.

* Reset method

1. Turn on the TV
2. Enter Service mode(1 -> Mute -> Recall -> Mute.)
3. Check Firmware Version. (Select "6. Version")
4. Reset. (Select "7. Reset")

9. SET Disassemble/Assemble Method

9. SET Disassemble/Assemble Method

.9-1. Facts You Must Know When Disassembling/Assembling PDP SET

(1) The sheet must be clean, smooth and thick enough to reduce any impact which might occur while handling.
(2) BACK COVER can' t be opened without separating the STAND from the PDP SET.
(3) BACK Shield Case can' t be opened without separating the KEY PCB
(4) When disassemble PDP set. Do not disassemble Frame Main L/R screw, that may be cause of drop PDP Panel.
(5) When working with SET standing, be careful not to let screws or PCBs drop inside SET.
(6) Screws, connector cables, and other tools must be kept separately for reassemble.

9-2. PCB Disassemble/Assemble

(1) Detach BACK COVER
(2) Detach KEY PCB and then disassemble cable from KEY PCB.
(3) Detach LED-IR PCB and then disassemble cable from LED-IR PCB.
(4) Detach BCK SHIELD CASE L/R
(5) Detach POWER PCB
Disconnect cable from POWER PCB >>Unscrew POWER BOARD
(6) Detach VIDEO PCB
Disconnect cable from VIDEO PCB >>Unscrew VIDEO BOARD & TERMINAL
(7) Assembling procedure is in the reversing sequence of the disassembling procedure.

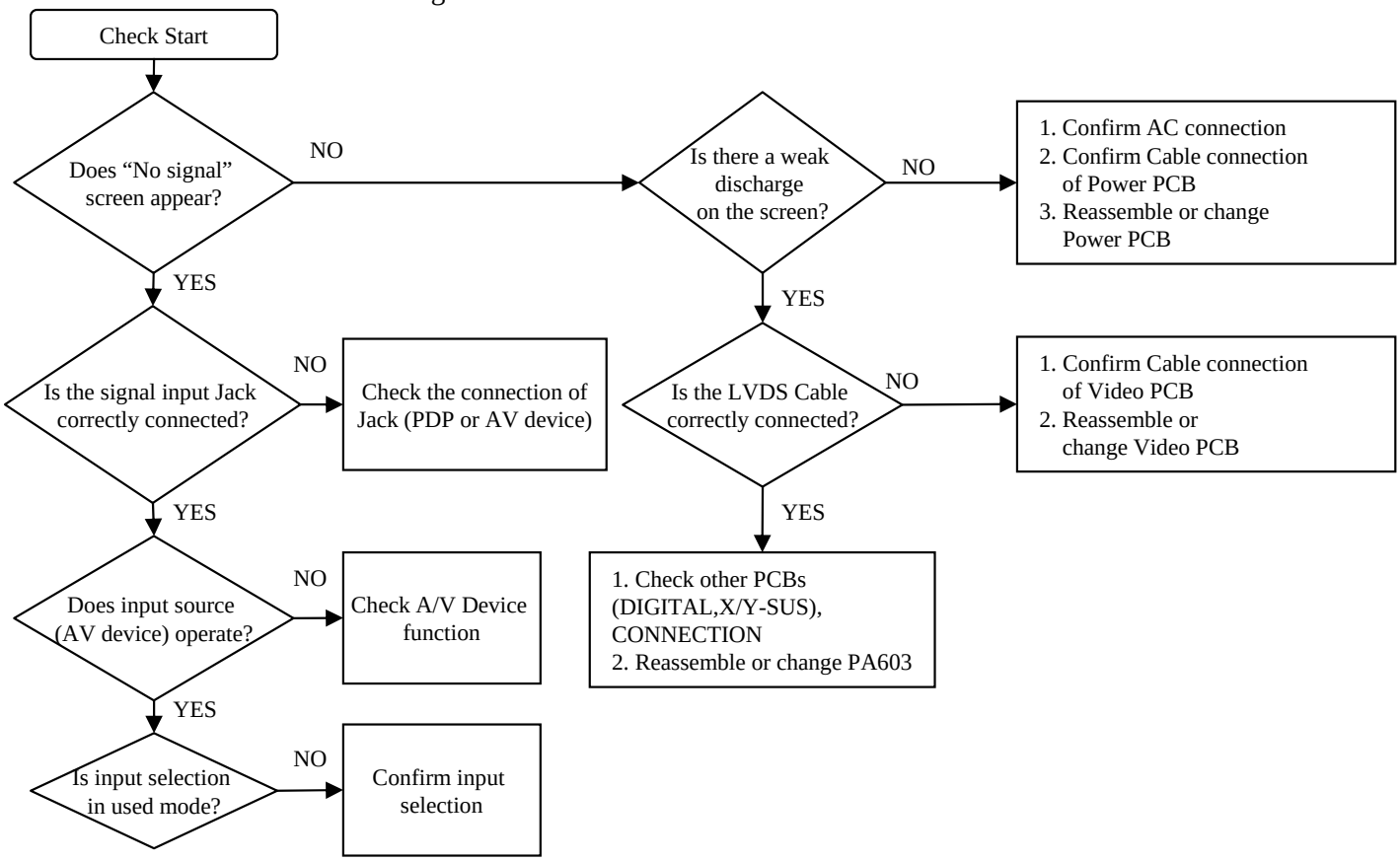
9-3. FRONT MASK & FILTER GLASS Disassemble/Assemble Method

(1) Detach BACK COVER.
(2) Detach KEY PCB and then disassemble cable from KEY PCB.
(3) Detach LED-IR PCB and then disassemble cable from LED-IR PCB.
(4) Detach BCK SHIELD CASE L/R.
(5) Unscrew the lower 4 screw and upper 4 screw at the PANEL BRACKET L/R
(6) Disassemble the PANEL from FRONT MASK.
(7) Detach the Retainer. (TOP, BOTTOM, LEFT, RIGHT)
When assemble Retainer. Must use new Gasket & new cushion tape.
(8) Detach FILTER GLASS.
(9) Assembling procedure is in the reversing sequence of the disassembling procedure.

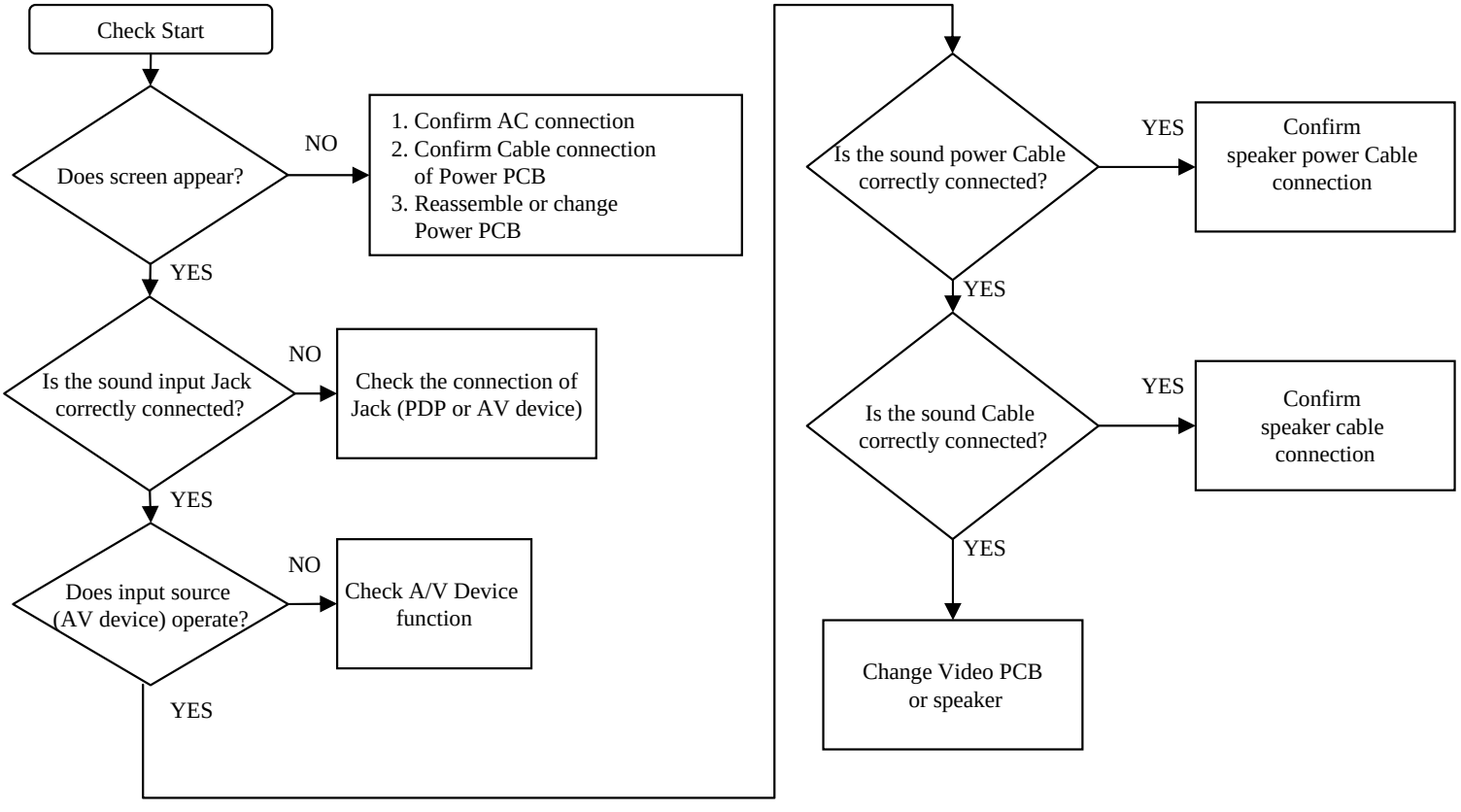
(CAUTION) Before assemble
(1) Check front and back of FILTER GLASS. Make sure front is facing FRONT MASK's external view.
(2) Be cautious of FILTER GLASS not being stained with dust or extraneous material. Clean FILTER GLASS with a clean and soft cloth before assembling.

10. Main PCB Trouble Diagnosis

10-1. VIDEO & JACK PCB Trouble Diagnosis

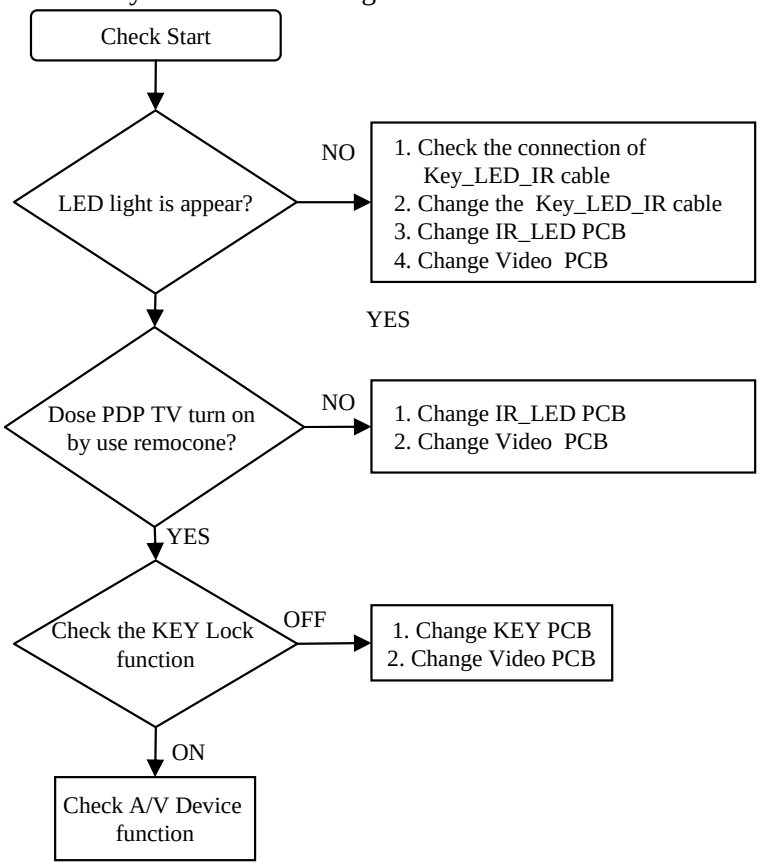


10-2. Sound Trouble Diagnosis

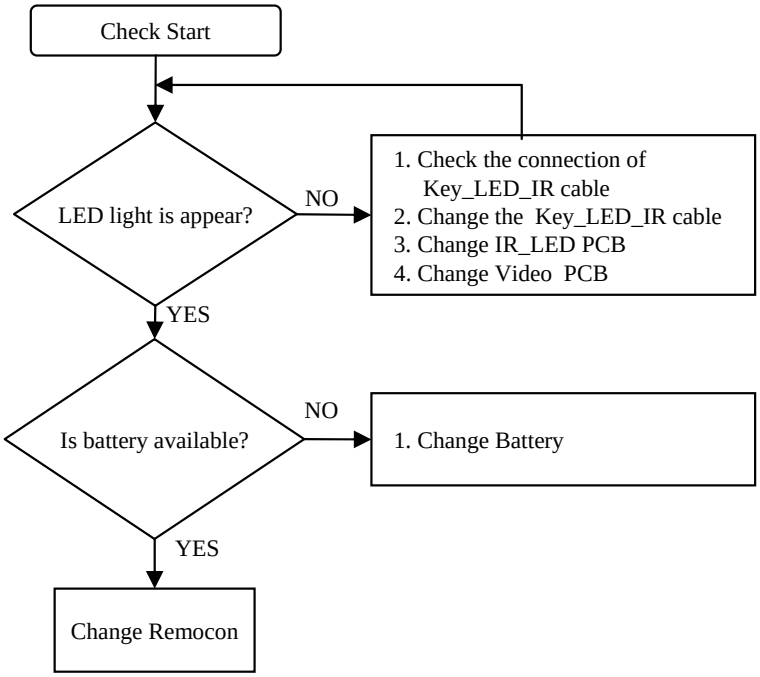


Main PCB Trouble Diagnosis

10-3. Key & IR Trouble Diagnosis



10-4. Remocon Trouble Diagnosis



11. TROUBLE SHOOTING

11-1. Facts you must know when Trouble diagnosis or repairing

(1) Sets trouble diagnosis and repairing means Module Exchange. In other words, find out which PCB modules are not working and replace them with normal PCB modules. Do not need to fix broken PCB modules in themselves.

(2) This TROUBLE SHOOTING list only contains representative and simple PCB trouble diagnosis and Module Exchange method. Therefore, if you find Sets that are difficult to diagnose or to repair, contact Daewoo Electronics.

(3) Basic TROUBLE SHOOTING procedure Check Trouble Symptom Detach BACK COVER Trouble Diagnosis replace broken PCB module Adjust new PCB module (when replacing X-SUS, Y-SUS, POWER, VIDEOPCB, need Voltage adjustment) HEATRUN (for at least 30minutes, input TEST PATTERN FULL WHITE), FUNCTION CHECK Repair Complete.

(4) Keep broken PCB modules separately for replacing with new PCB modules.

(5) Required equipments for trouble diagnosis- DIGITAL MULTIMETER (User Mode : measure DC VOLTAGE, measure DIODEVOLTAGE, SHORT-OPEN TEST)- Screwdriver (or electric screwdriver), plastic adjusting tool

(6) Before assemble/disassemble PCBs, check to see if AC Switch is OFF.

(7) After the set is repaired, leave BACK COVER open for followings. Do HEATRUN for at least30 minutes by inputting SERVICE MODEs TEST PATTERN (Refer to Service Manual 5.Service Mode) FULL WHITE. Check the screen condition and basic functions (remote control operation etc.).

(8) After BACK COVER is closed, redo HEATRUN for at least one hour by inputting FULLWHITE using SERVICE MODEs TEST PATTERN. Check the screen condition and basic functions.

12. ASSEMBLY LIST

No	Part No.	Part Name	Discription	Qt'y
1	PASP42B3S3SD	Main+A/D board	PIONEER 42" B3 Panel, 218 AD board (SOUTH AMERICA)	1
2	PASP42B3S3SV	Main+A/V board	PIONEER 42" B3 Panel, 218 AV board (SOUTH AMERICA)	1
3	PAS-SIG6LIXA	LED_IR BOARD	T=1.6*100*20/2L, IR&LED	1
4	PAS-SIG6KEYA	KEY BOARD	T=1.6*74*33.4/2L,KEY	1
5	DD-SP1AS06-1	Built in speaker cable ass'y		2
6	DD42NF02461	NOISE FILTER ASS'Y	2P*460/1P*150MM	1
7	DD42NR04451S	POWER 6P <--> 4P	4P*6P*450MM	1
8	DD42NR12401	POWER 7P/8P <--> 12P	12P*(7+8)P*400/400MM	1
9	DD42CO31501S	LVDS 31P	30P*31P*500MM	1
10	DD42CO14601	KEY_LED_IR CABLE	14P*8P*6P*(500*600)MM	1
11	DD42CO06701	Built in speaker cable	6P*(2+2)P*600+700MM	1
12	DD42NR04451	PANEL 4P CABLE	4P*4P*450MM	1
13	DD42NR10471	PANEL 10P CABLE	10P*10P*470MM	1
14	DDL32GND—40	GND CABLE	1P*200MM	
15	DP4260M120A2	Font Cover	Mold/HIPS/3.5T/2Tone	1
16	DP4260M115A	Speaker Grill-B	Mold/ABS/3.5T/Silver	1
17	DP4260M113A	Speaker Elbow	Mold/ABS/2.0T/Silver	2
18	DP4260M121A	Back Cover	Mold/ABS/3.5T/Black/DW	1
19	DL3280M181BA	Knob Contl	Mold/ABS/Black	1
20	DL3280M190CA	Knob Stanby	Mold/ABS/Cr	1
21	DL3280M200A	Window IR	Mold/PA	1
22	DL3280M210A	Window Plate	Mold/Acryl/1.2T	1
23	DP4280E310A	Retainer-H	AL/1.2T	2
24	DP4280E320A	Retainer-V	AL/1.2T	2
25	DP4284P121A	PIO Panel Guide Bracket	EGI/PIO/1,OT	2
26	DP4211P122A	PIO Power Bracket	EGI	2
27	DP4281P123A	PIO SD Plate	EGI/2.0T	4
28	DP4280D330A	Mount Bracket-PDP	Diecasting	2
29	DP4280P340A	Stand Bracket PDP-Body	EGI/2.0T	2
30	DP4286P352A	Contl Shield	AL/0.8T/PIO/218/3System	1
31	DP4280P360A	Main Shield-L	EGI/0.5T	1
32	DP4280P370A	Main Shield-R	EGI/0.5T	1
33	DP4285P382A	Av Cover	SPTE/0.5T/218/3System	1
34	DARC-4	Retainer Coil	ID ∮ 5.1,L=75	3
35	DP4200R672A	Top Cushion	Sponge Form/5.0T*895L*8W	2
36	DP4250R672A	Side Cushion	Sponge Form/5.0T*520L*8W	2
37	DP4260S651A	Gasket Retainer-V	1.5T*7W*540L	2
38	DP4260S652A	Gasket Retainer-H	1.5T*7W*945L	2
39	DP4260S654A	Gasket Av Cover	1.5T*7W*565L	1
40	DP4260S655A	Gasket Mount	1.5T*7W*100L	4

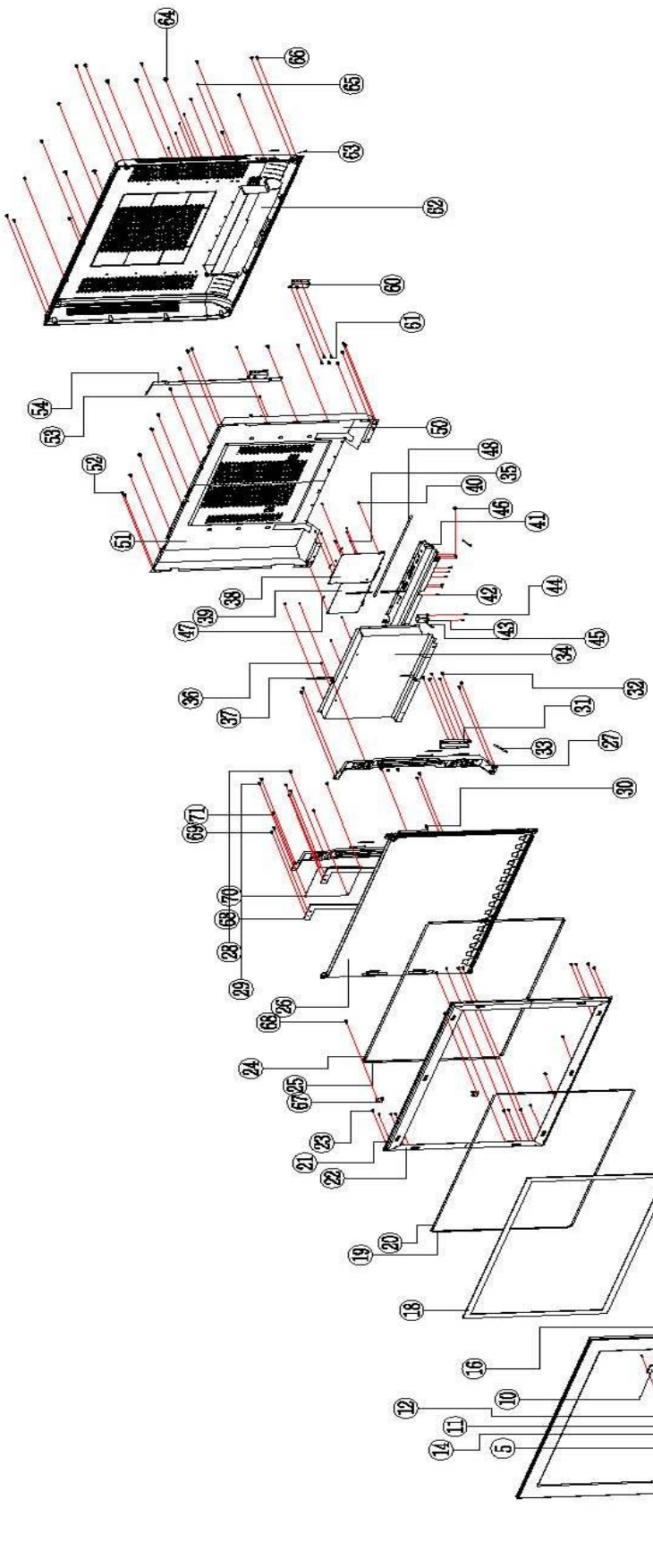
ASSEMBLY LIST

No	Part No.	Part Name	Discription	Qt'y
41	DP4260S653A	Gasket Shield	1.5T*20W*600L	1
42	DP4200S654A	Insulation Sheet-S	Non-woven fabric/0.8T/15W*45L	4
43	DP4210S655A	Insulation Sheet-L	Non-woven fabric/0.8T/25W*440L	1
44	DP4260S640A	Pad Top/R	EPS/30T	1
45	DP4260S650A	Pad Top/L	EPS/30T	1
46	DP4260S660A	Pad Bottom/R	EPS/30T	1
47	DP4260S670A	Pad Bottom/L	EPS/30T	1
48	DP4260S647A	Pad Top	PE/Form	1
49	DP5000S672A	Poly Bag	LDPE 0.5T*W1010*L960	1
50	DP4210J923A	Screw-Poly Bag	PE/60*160*0.07	1
51	999000001200	Accessory Bag	Vinyl/0.3T*W245*L360	1
52	DP4260B614C	AV Label	Audio Video Jack Label/218/3System	1
53	DP426-DW-01	Packing Box	Daewoo/Maxico	1
54	P-MB-30-0160	Mark Brand	Daewoo/Latin america	1
55	DP4260M171SA	Stand Cover	42"/ABS/Silver	1
56	DP4290D180A	Stand Arm	Diecasting/AL/Black/90	1
57	DP4290E190A	Stand Neck	Diecasting/Al/4290	1
58	DP4290E200A	Stand Bracket	Press/Al/4290	2
59	DP4280P210A	Stand Base	Press/EGI/3.0T	2
60	DP4260TR673A	Stand Rubber-B	42"/40*20*3T	4
61	DP4260TR674A	Stand Rubber-A	42"/40*20*6T	4
62	DP4280B698A	Stand Box-Out	DW2	1
63	DP4280B699A	Stand Box In-B	DW2	1
64	DP4280B700A	Stand Box In-A	DW2	1
65	P-MA-STD-113	Stand Manual	English	1
66	SM001	Machine Screw 3	WP+3*6	21
67	SM013	Machine Screw 3	S/W P/W-P+3*8Φ8	8
68	SM006	Machine Screw 4	P+4*6	4
69	SM002	Machine Screw 4	WP+4*8	16
70	SM003	Machine Screw 4	T/T-CT+WASHER+4*10	1
71	SM017	Machine Screw 5	S/W P/W-B+5*12Φ12	10
72	ST102	Taptite Screw 3	T/T-BP+3*5	2
73	ST107	Taptite Screw 3	TWP+3*6	4
74	ST108	Taptite Screw 3	TWP+3*8	20
75	ST101	Taptite Screw 4	T/T-BP+3*8	11
76	ST104	Taptite Screw 4	T/T-BP+4*8	44
77	ST140	Taptite Screw 4	T/S-2B+4*10	43
78	ST140	Taptite Screw 4	T/S-2B+4*10	11
79	SM011	Machine Screw 4	T*4*12	4
80	SM200	Machine Screw 5	S/W P/W-P+5*32	4

ASSEMBLY LIST

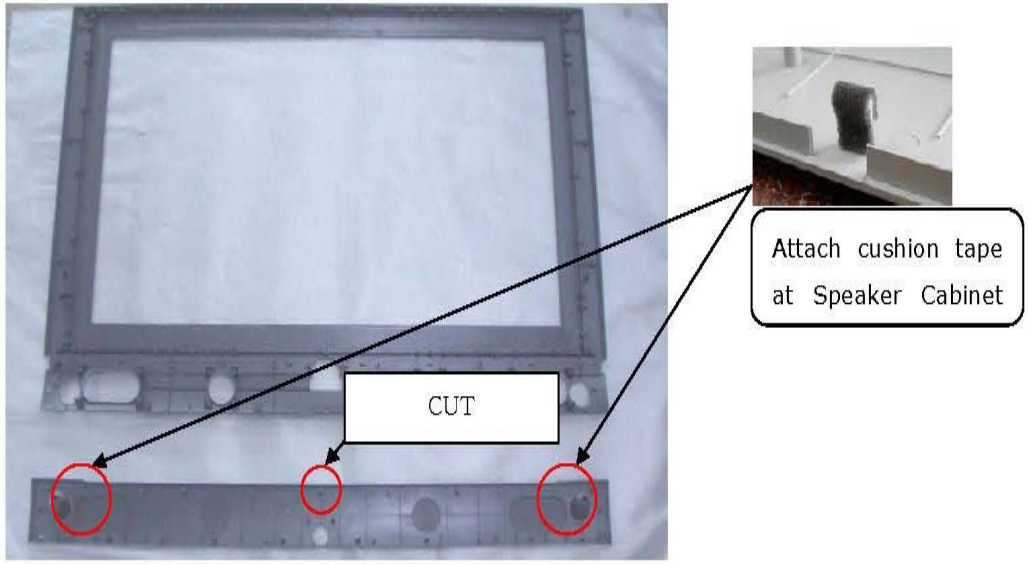
No	Part No.	Part Name	Discription	Qt'y
81	SM025	Machine Screw 5	S/W P/W P+5*16	2
82	SM008	Machine Screw 8	P+8*20	2
83	PBL4260DAE-01	Back Label	Paper	1
84	MA-BDWP--3S1	User manual		1
85	DPACC0000-10(EUROPE)	Power code		1
86	DPC9700000A(AAA)	Battery		2
87	RE-BLSIDEWA1	Remote controller		1
88	DP42B3MF01	PDP PANEL 42"-PIO B3	PDP PIONEER 42" B3 panel	1

13. EXPLODED VIEW



NO	PART NAME	PART CODE	MATERIAL	QTY
1	Cabinet Speaker B DW	DPA260M114A	MOLD/ABS/3.5T/BLACK	1
2	Cushion Noise	DPA260S690A	1.0TX9WX85L	2
3	Cabinet Front PDP DW	DPA260M120A1	MOLD/HIPS/3.5T/BLACK	1
4	Cushion Noise	DPA260S690A	1.0TX9WX85L	2
5	Screw Taptite 4	ST140RO	T/S-2B+4*10/Ni/ROHS	12
6	Speaker Elbow-42in0	DPA260M112A	MOLD/ABS/2.0T/BLACK	2
7	Screw Taptite 3	ST108RO	TWP-3*6/Ni/ROHS	4
8	SPEAKER UNIT	DD-SP1AS06-1	6 ohm/10W	2
9	Screw Taptite 3	ST108RO	TWP-3*6/Ni/ROHS	8
10	Cushion Speaker	DPA260S745A	5.0TX40WX45L/35kg	2
11	Knob Standby-3280	DLX280M190CA	ABS/Cr	1
12	Window IR-3280	DLX280M200A	MOLD/PA	1
13	Screw Taptite 3	ST108RO	TWP-3*6/Ni/ROHS	2
14	Window Plate-3280	DLX280M210A	MOLD/ACRYL/1.2T	1
15	Screw Taptite 4	ST104RO	T/T-BP+4*8/Ni/ROHS	2
16	KEY-LED/IR	DDA2CO14601	14P*8P*4P*500*600/MM	1
17	Screw Taptite 3	ST108RO	TWP-3*6/Ni/ROHS	2
18	Optical Filter	DPA420WW200B	5?1H	1
19	Gasket Retainer 42oV	DPA260S651A	1.5T*?W*546L	2
20	Gasket Retainer 42oH	DPA260S652A	1.5T*?W*945L	2
21	Retainer H	DPA280E310A	AL	2
22	Retainer V	DPA280E320A	AL	2
23	Screw Taptite 4	ST104RO	T/T-BP+4*8/Ni/ROHS	18
24	Cushion Top-0040	DPA2008672A	5.0T/689FLX8W	2
25	Cushion Side-0050	DPA2508672A	5.0T/X30L/X8W	2
26	PDP PANEL 42"-PIO B3	DPA2B3M091	PDP PIONEER 42" B3 panel	1
27	Brk Mount PDP	DPA280J030UA	ALDC12S	2
28	Screw Machine 5	SM017RO	SW-PW-B+5*12/Ni/ROHS	4
29	Screw Taptite 4	ST105RO	T/S-2B+4*14/Ni/ROHS	8
30	Insert nut	SI2088RO	M5*15/Ni/ROHS	3
31	Brk Stand PDP/BODY	DPA280P340A	EGI/2.0T	2
32	Screw Machine 4	SM002RO	WP+4*8/Ni/ROHS	8
33	Cushion Noise	DPA260S690A	1.0TX9WX85L	10
34	Cord Shield	DPA280P352A	AL/0.8T/PIO2183System	1
35	Screw Machine 3	SM001RO	WP+3*6/Ni/ROHS	4
36	Screw Machine 3	SM001RO	WP+3*6/Ni/ROHS	3
37	Gasket Mount	DPA260S655A	1.5T*W*100L	4
38	Main BOARD	PASP-42BSP-0	PIONEER 42" B3 Panel, 218 AD board (SOUTH AMERICA)	1
39	A/V BOARD	PASP-42BSP-1	PIONEER 42" B3 Panel, 218 A/V board (SOUTH AMERICA)	1
40	Screw Machine 3	SM013RO	SW-PW-P+3*6/Ni/ROHS	8
41	COVER A/V-218-NT/AT	DPA28SP380A	PRESS/SPTE/0.5T	1
42	Screw Taptite 3	ST101RO	T/T-BP+3*6/Ni/ROHS	6
43	POWER NOISE FILTER	DDA42WH2451	2P*40MM	1
44	Screw Taptite 3	ST101RO	T/T-BP+3*6/Ni/ROHS	2
45	Cushion Noise	DPA260S690A	1.0TX9WX85L	2
46	Screw Taptite 4	ST140RO	T/S-2B+4*10/Ni/ROHS	2
47	Coil Retainer-42-61	DARC-4	ID 7 5.1,L=75	3
48	Gasket AV-COVER	DPA260S654A	1.5T*W*563L	1
49	Screw Machine 4	SM003RO	T/T-CT+WASHER+4*10/Ni/ROHS	1
50	Shield Main R	DPA280P360A	EGI	1
51	Shield Main L	DPA280P370A	EGI	1
52	Screw Machine 4	SM002RO	WP+4*8/Ni/ROHS	22
53	Screw Machine 3	SM020RO	WP+3*8/Ni/ROHS	6
54	Gasket Shield 4260	DPA260S653A	1.5T*200W*600L	1
55	PCB	PAS-SIGSKEYA	T=1.6**4*53.4/2L Button	1
56	Screw Taptite 3	ST108RO	TWP+3*6/Ni/ROHS	2
57	KNOB CONTROL-3280 DW	DLX280M181BA	ABS/BLACK	1
58	Cushion Noise	DPA260S690A	1.0TX9WX85L	1
59	Screw Taptite 3	ST108RO	TWP+3*6/Ni/ROHS	2
60	Brk Stand 4260/BACK	DPA260P350A	EGI/1.2T	2
61	Screw Taptite 4	ST140RO	T/S-2B+4*10/Ni/ROHS	8
62	CABINET BACK DW	DPA260M121A	ABS/BLACK	1
63	Cushion Noise	DPA260S690A	1.0TX9WX85L	4
64	Screw Machine 5	SM017RO	SW-PW-B+5*12/Ni/ROHS	6
65	Screw Machine 3	SM013RO	SW-PW-P+3*6/Ni/ROHS	6
66	Screw Taptite 4	ST140RO	T/S-2B+4*10/Ni/ROHS	18
67	PIO Panel Guide Bracket	DPA28AP121A	EGI/PIO/1.0T	2
68	PIO Power Bracket	DPA211P122A	EGI	2
69	Machine Screw 4	SM006	P-4*6	4
70	POWER BOARD	PASP-42VPW010	PIONEER B3 SANKEN POWER	1
71	Machine Screw 4	SM006	P-4*6	4

1. Front Cabinet

	Step1
1-1. Assemble Front Deco Step1 Prepare front cover & speaker grill. Attach cushion tape at speaker grill hook.	Front Side  Back Side 

1. Front Cabinet

1-1. Speaker grill

Step2

Assemble Speaker Elblow to Speaker Cabinet left & right

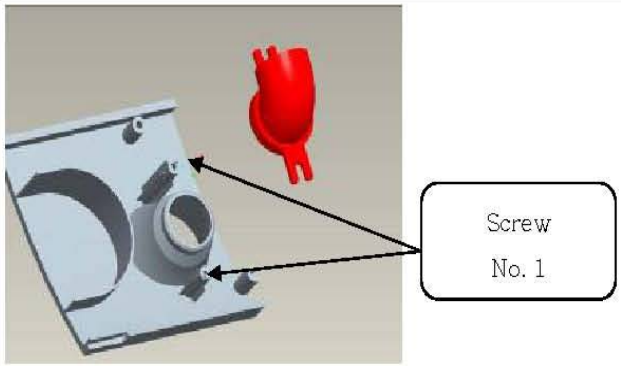
Use Screw No. 1

Setp3

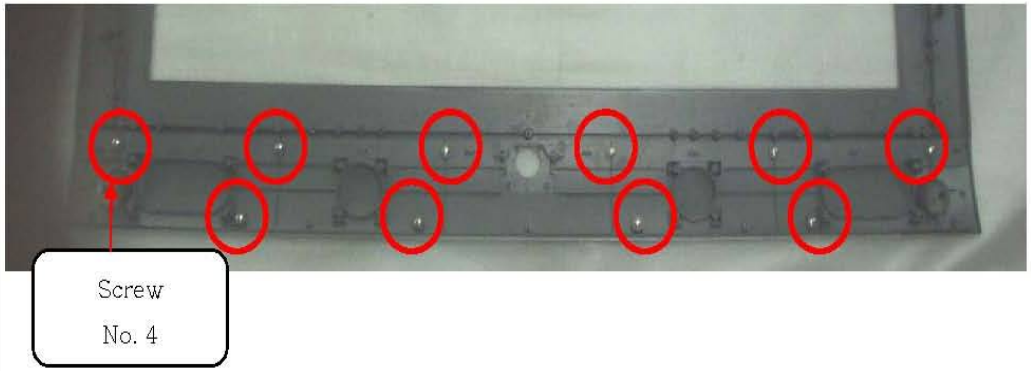
Assemble Speaker grill to front cabinet.

Use Screw No. 4

Step2



Step 3



1. Front Cabinet

1-2.Knob Standby

Setp1

Prepare Knob Standby

1. Knob standby
2. Window IR
3. IR Plate

Setp2

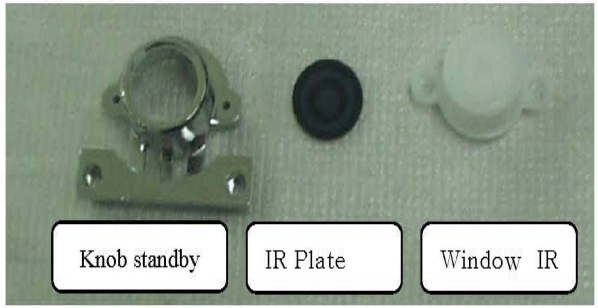
Assemble IR plate & Window IR Window to knob standby

Use srew No.1

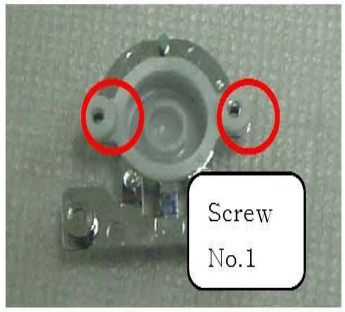
Step3

Assemble knob standby Ass'y to Front cover.

Step 1



Step 2-1Winodw IR



Step 2-2 IR Plate

Step 3

1. Front Cabinet

1-3. Front Retainer

Step1

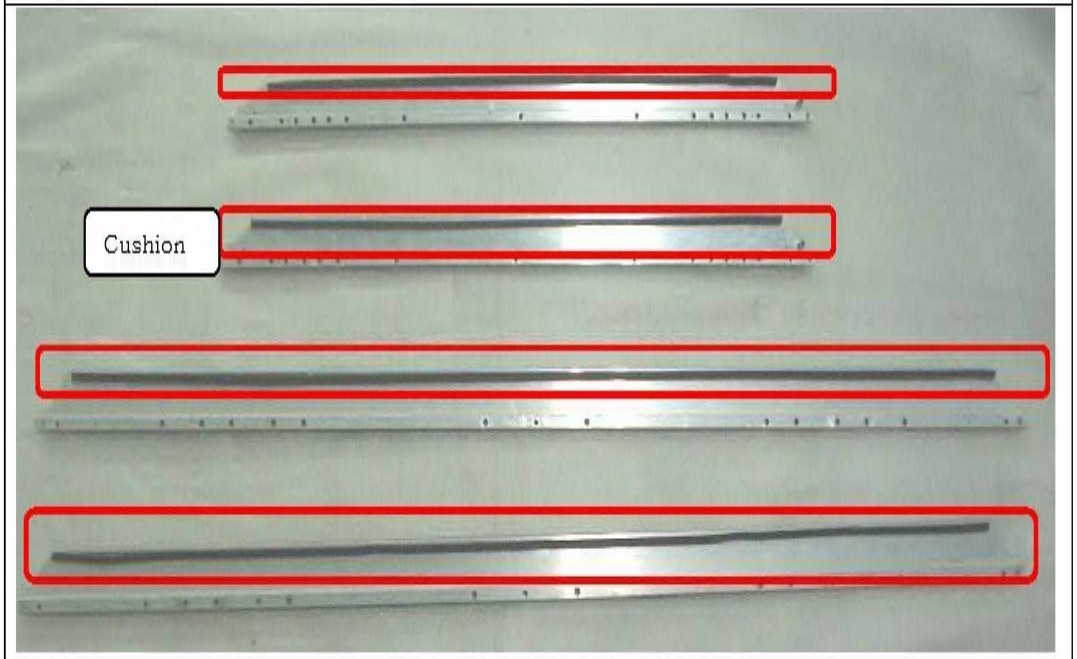
Attach EMI gasket at front side of Retainer (Top, Bottom, Left, Right)

Step2

Attach cushion tape at back side of Retainer (Top, Bottom, Left, Right)Retainer와 Panel (Top, Bottom, Left, Right)

Step1

Step2



1. Front Cabinet

1-4. Filter Glass Put down slowly Filter Glass to Front cover.	Step1

1. Front Cabinet

1-5 Filter Glass

Setp2

Assemble retainer(top, bottom, left, right)

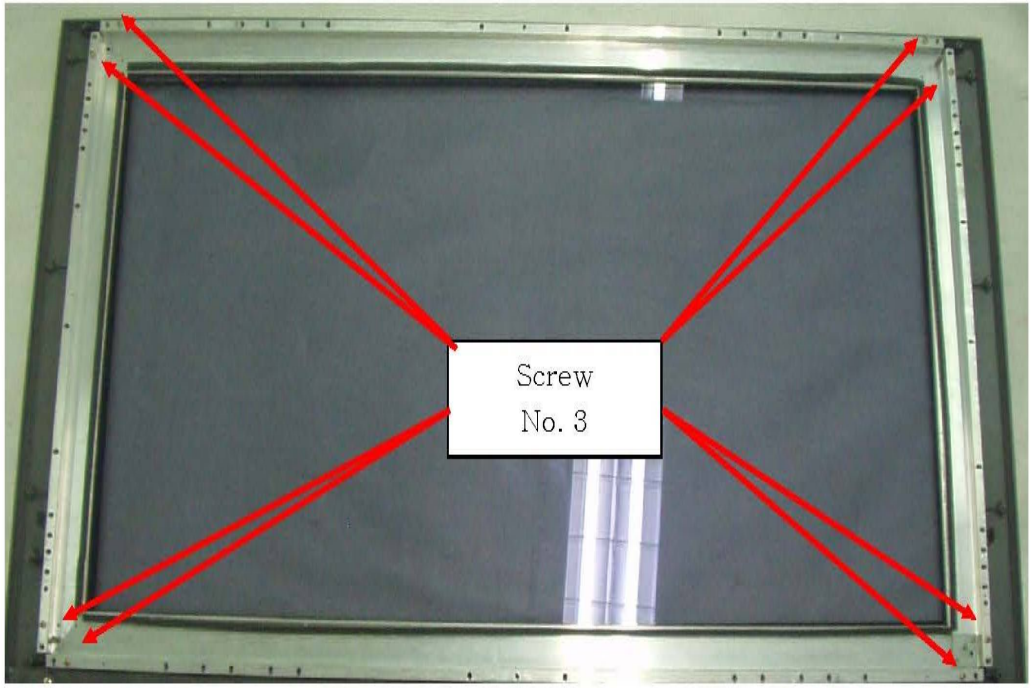
Use screw No. 3.

Step3

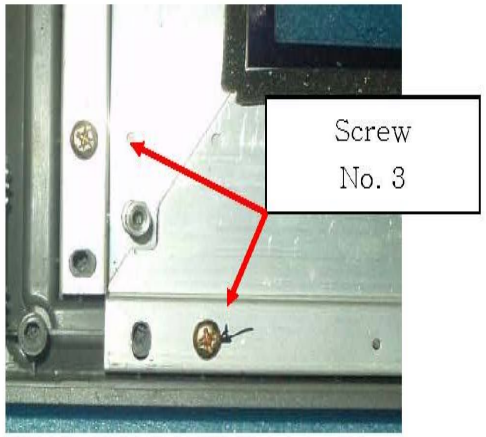
Assemble Panel Guide Pio. (Front right top & bottom)

Use screw No.2.

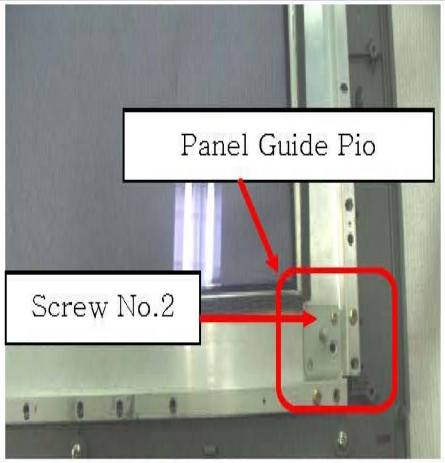
Step2



Step2 - Detail



Step3



1. Front Cabinet

1-6. Speaker

Step1

Assemble Speaker to Front cover(left)

Use No.1 screw.

* speaker terminal position is left

Attach speaker cushion.

Step2

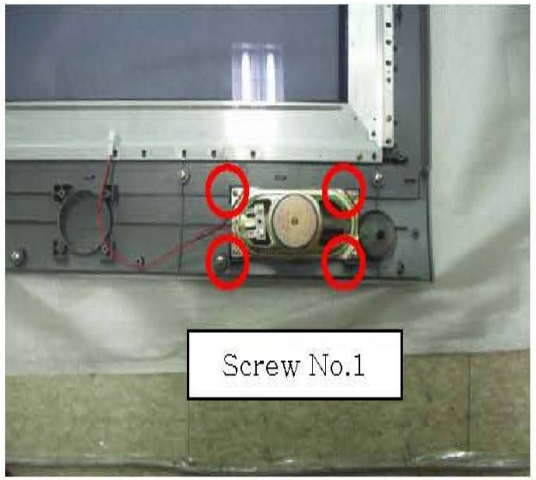
Assemble Speaker to Front cover(right)

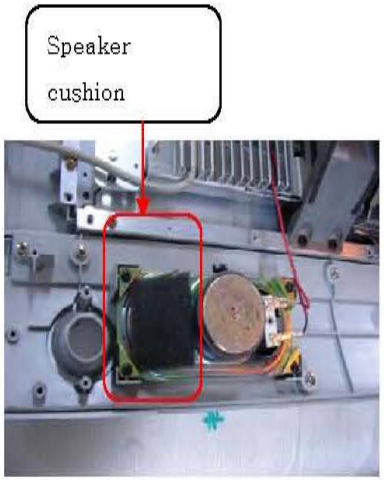
Use No.1 screw.

* speaker terminal position is left

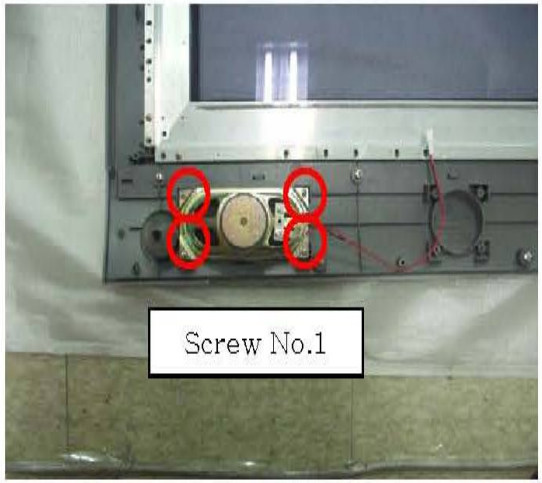
Attach speaker cushion.

Step1





Step2



2. Panel

2-1. Mount Bracket

Step 1

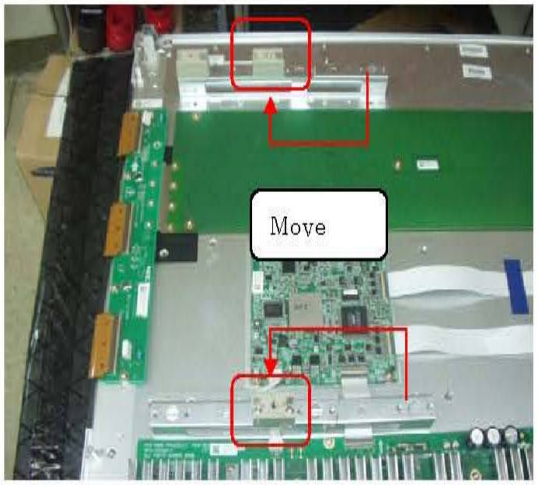
Put 4 mount bracket on the panel

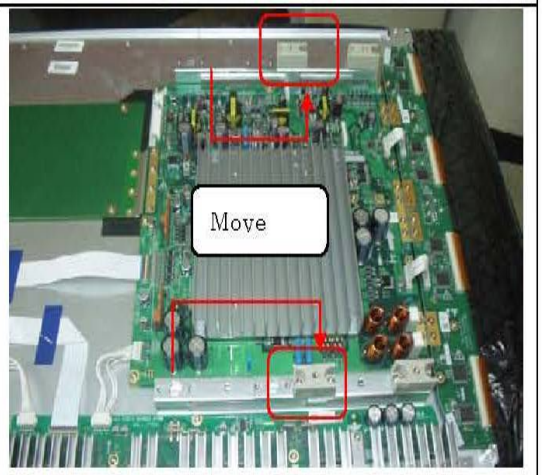
Step2

Move and assemble Bracket guide.

Step 1

Step2





2. Panel

2-2. Assemble Power Cable & Power Board Bracket

Step 1

Connect 10p Power Cable & 4p Power Cable.

* Cable Part Name

  4p Power Cable: DD42NR04451

  10p Power Cable: DD42NR10471

* Connection point

  4p Power Cable: High Voltage Board CN302

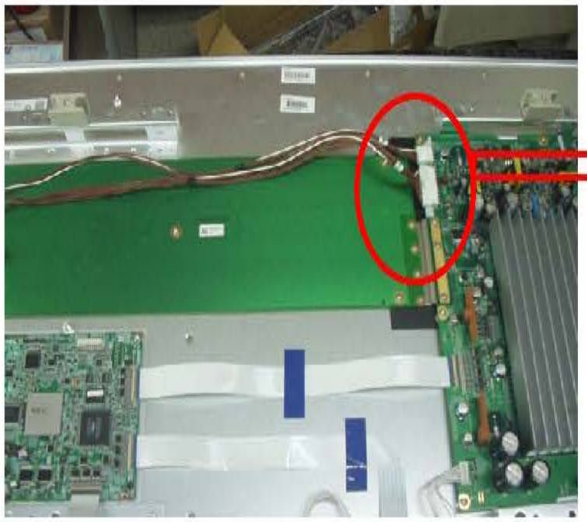
  10p Power Cable: High Voltage CN301

Step 2

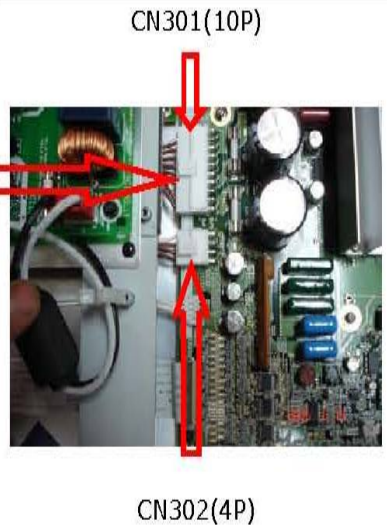
Assemble Power Board Bracket.

Use Screw No.8

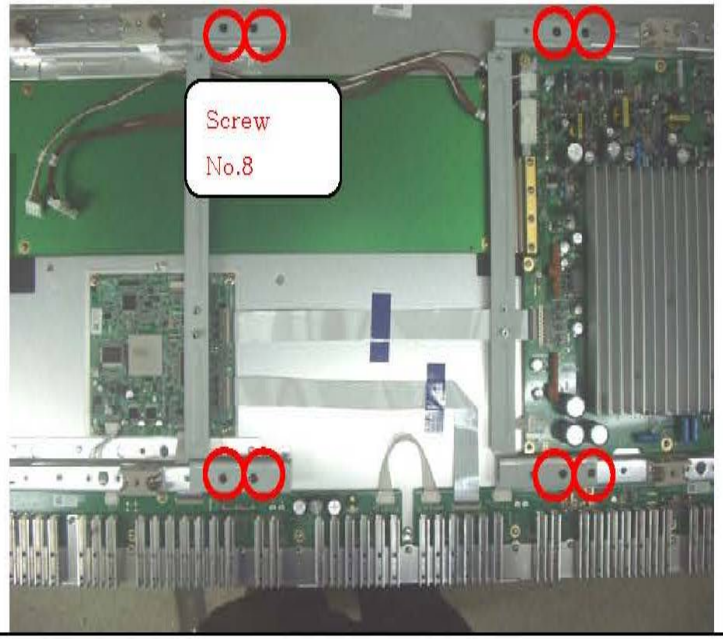
Step 1



Step 1-detail



Step 2



2. Panel

2-3. Power PCB

Step 1

Assemble Power PCB(PNT-426)

Use screw No.7

Step 2

Connect 10p Power Cable & 4p Power Cable to Power PCB

* Cable Part Name

4p Power Cable: DD42NR04451

10p Power Cable: DD42NR10471

* Connection Point

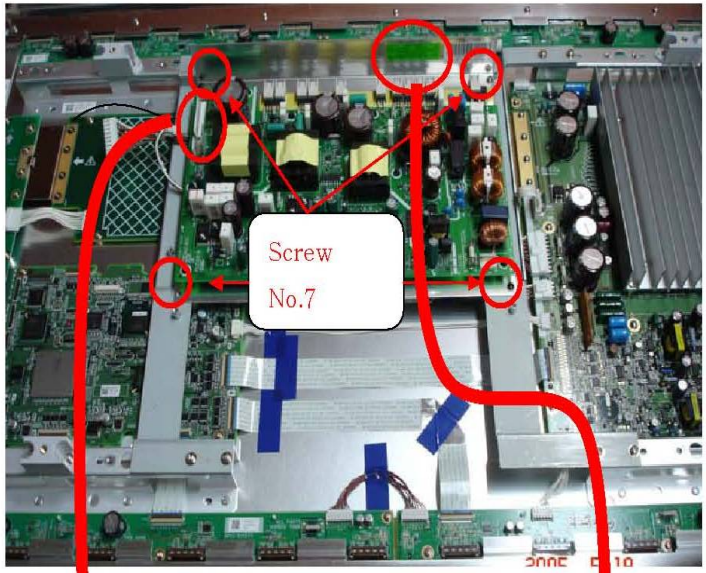
4p Power Cable: Power Board P205

10p Power Cable: Power Board P206

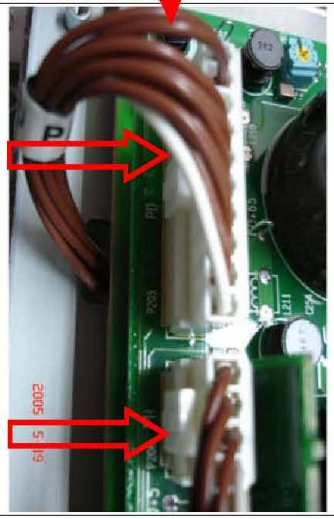
* Attach tape at the power board

* Must check Power board(Label name:PNT-426)

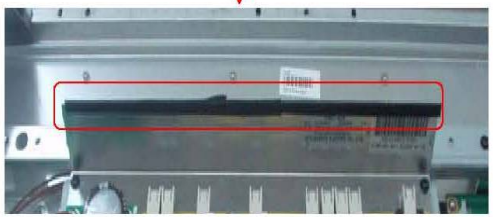
Step 1



Step 2



Tape



P205

2. Panel

2-4. Mount Bracket

Step 1

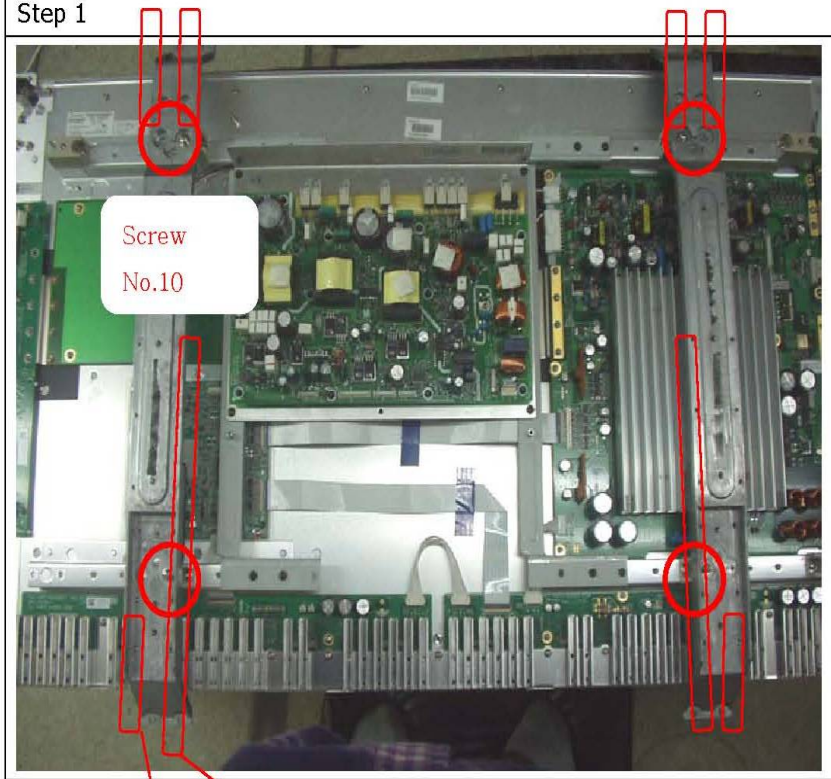
Assemble Mount Bracket(L/R)

Use screw No. 8

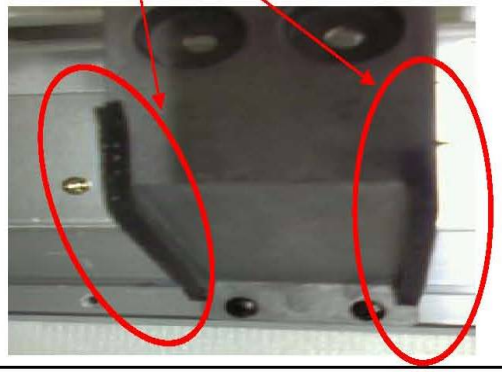
Step2

Attach cushion tape.

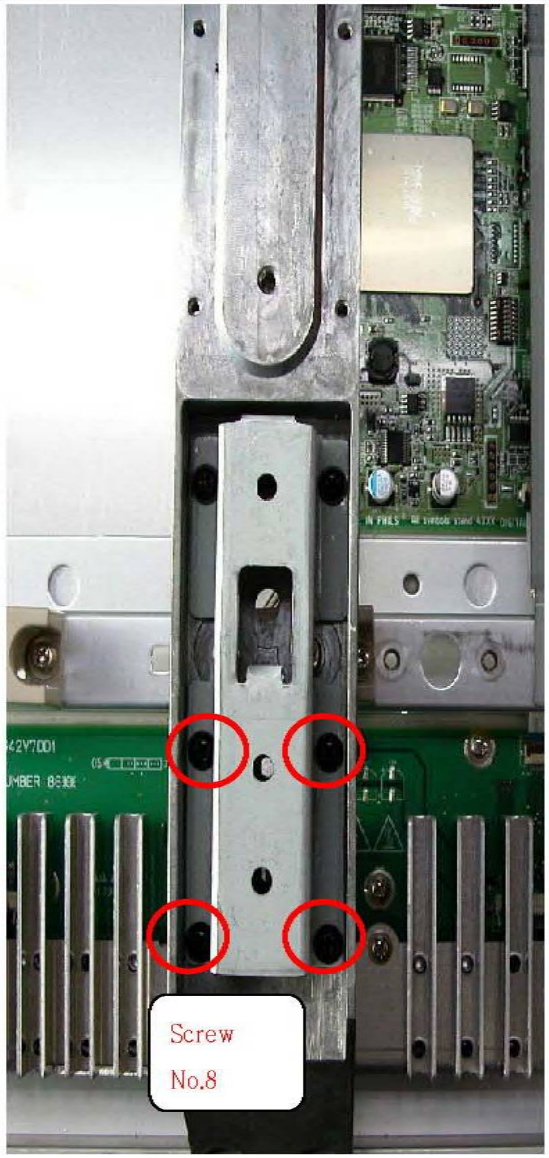
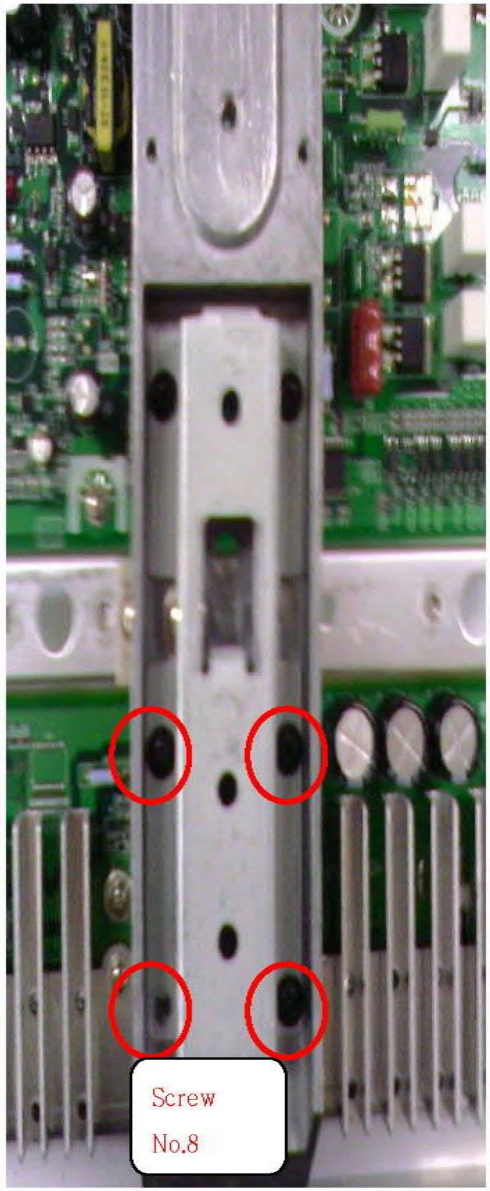
Step 1



Step2



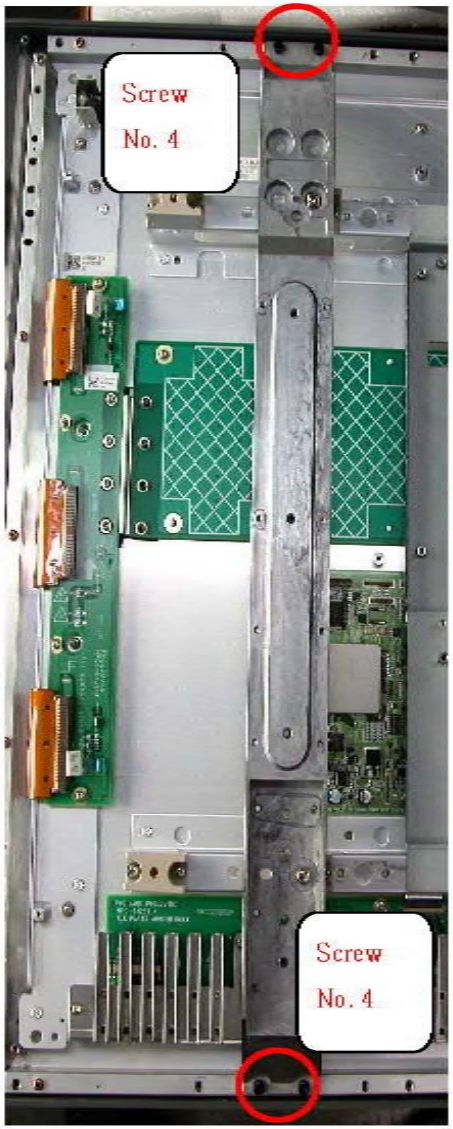
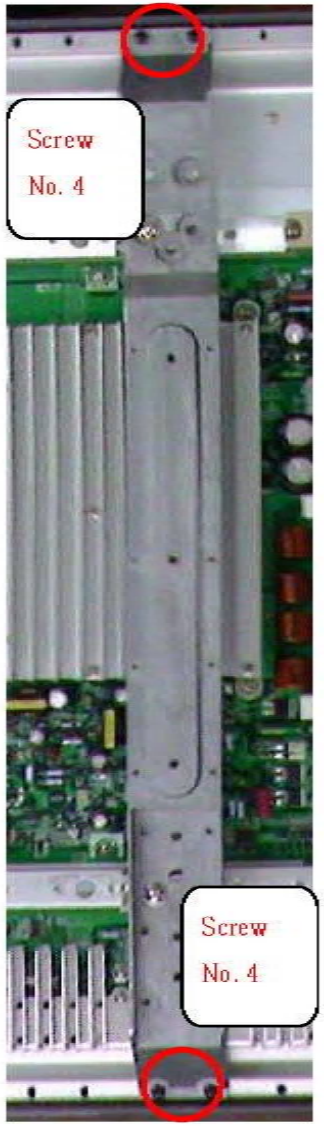
2. Panel

	Step 2	Step 3
2-4. Mount Bracket Step 2 Assemble Stand Bracket (L). Use Screw No. 8 Step 3 Assemble Stand Bracket (R). Use Screw No. 8		

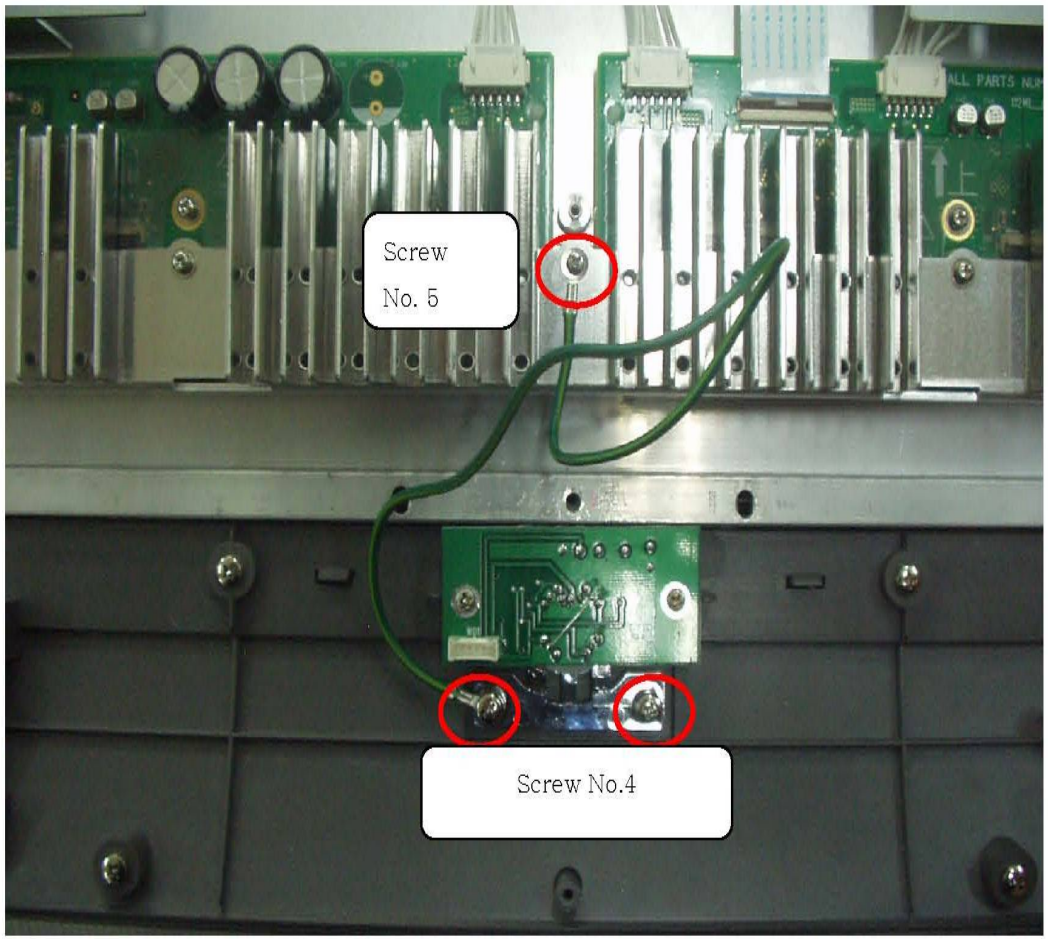
3. Front Cabinet & Panel

	Step1
Step1 Put slowly down panel to front cover	

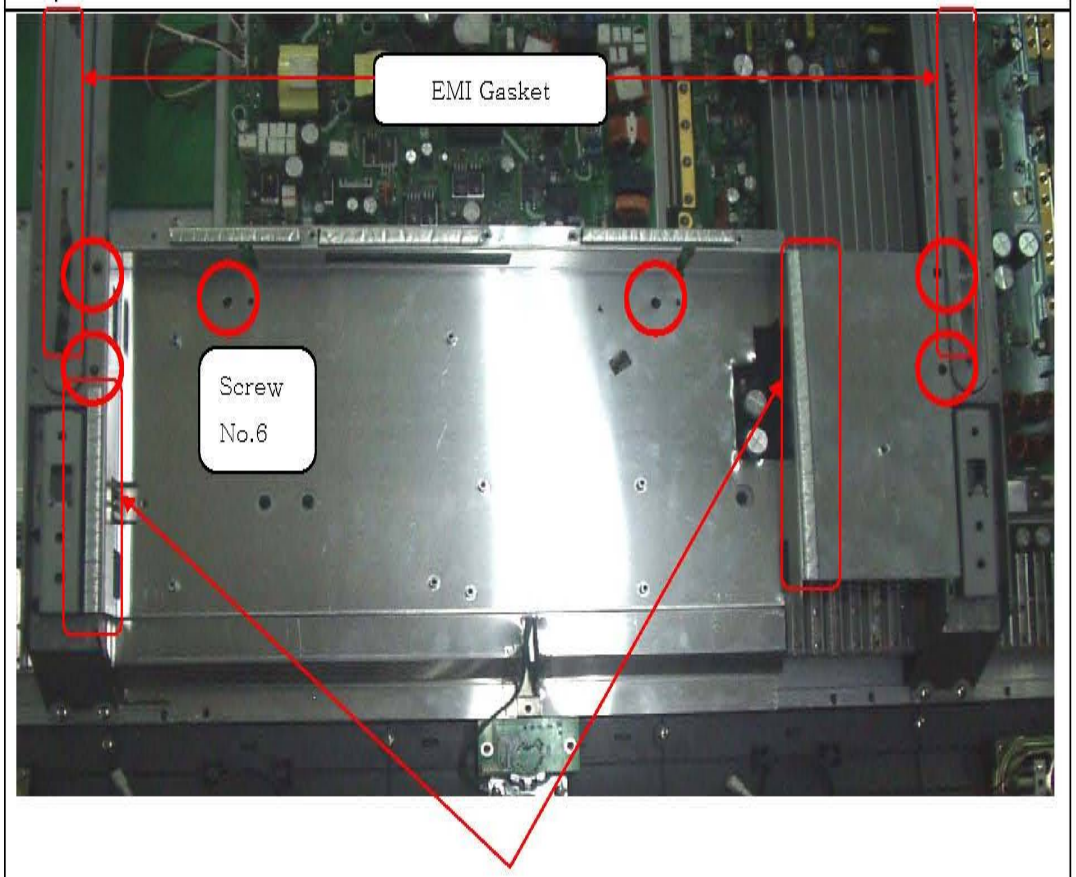
3. Front Cabinet & Panel

	Step2	
Step2 Assemble Panel & Front Cabinet. Use screw No. 4		

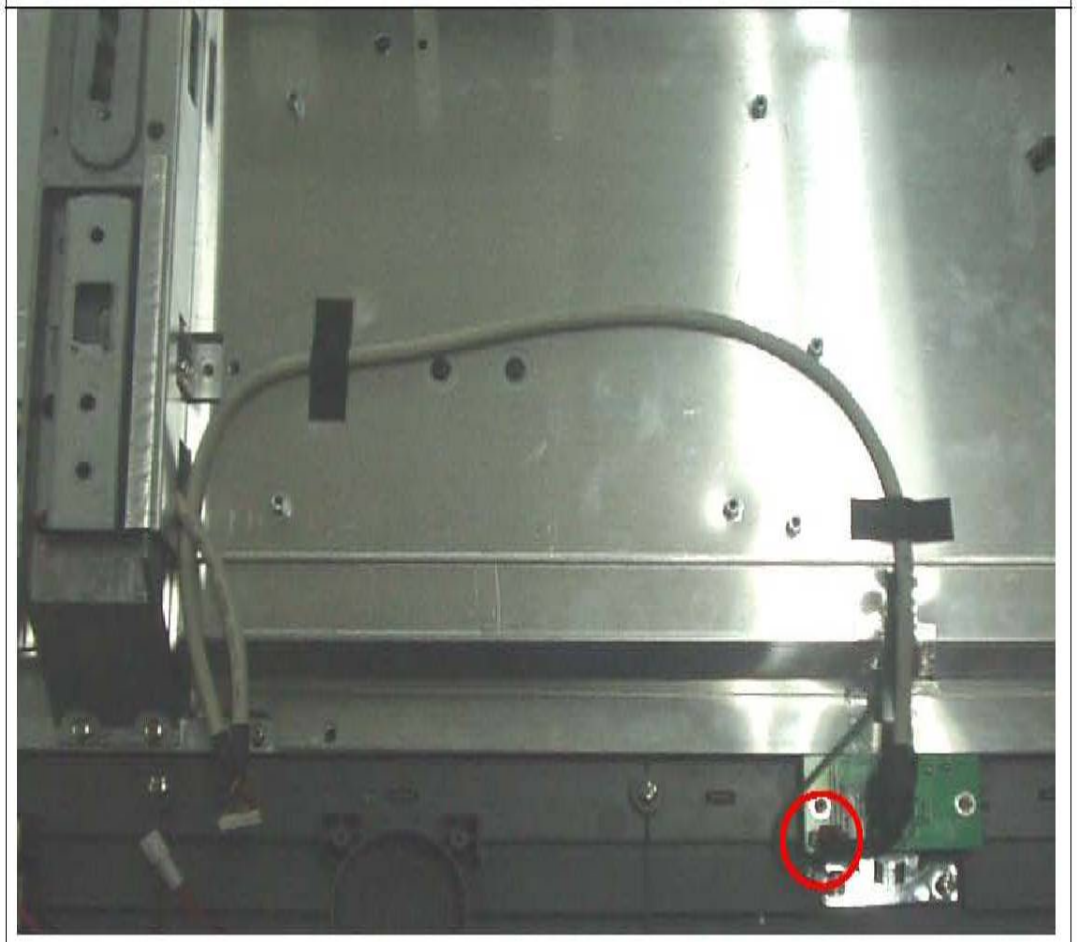
4. Board

4-1. GND Cable Connect GND Cable to LED-IR PCB & Panel Use Screw No.4 & No.5 * Cable Part Name GND Cable: DDL32GND--40	Step1 

4. Board

4-2 Main Shield Assemble Main Shield Use screw No.6 Attach EMI Gasket to main Shield.	Step1 

4. Board

4-3. Key LED IR Cable	Step1
Connect LED_IR cable to LED_IR Board and fix the cable. * Cable Part Name DD42CO14601 * Connection Point Key LED IR Cable(6P) <-----→ LED IR Board(W01) * Key LED IR Cable의 Key 부분은 Main Shield의 왼쪽 hole에 미리 통과 시켜 놓는다.	

4. Board

4-4. Video Board

Step 1

Assemble Video board(Main + A/V Board)

Step 2

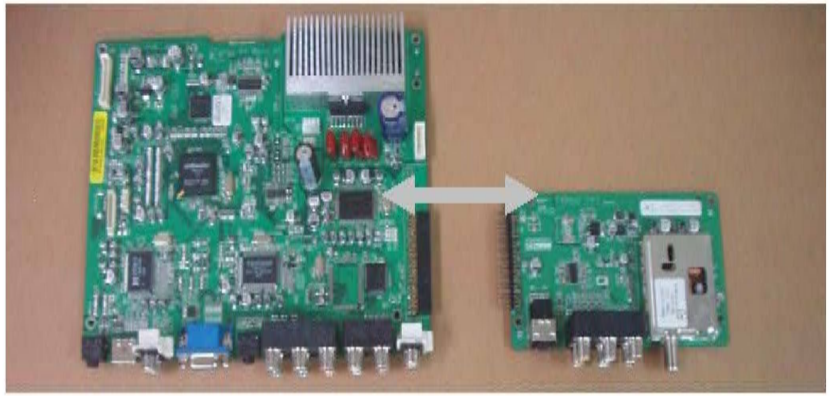
Assemble video board, A/V cover and noise filter.

Cable part Name

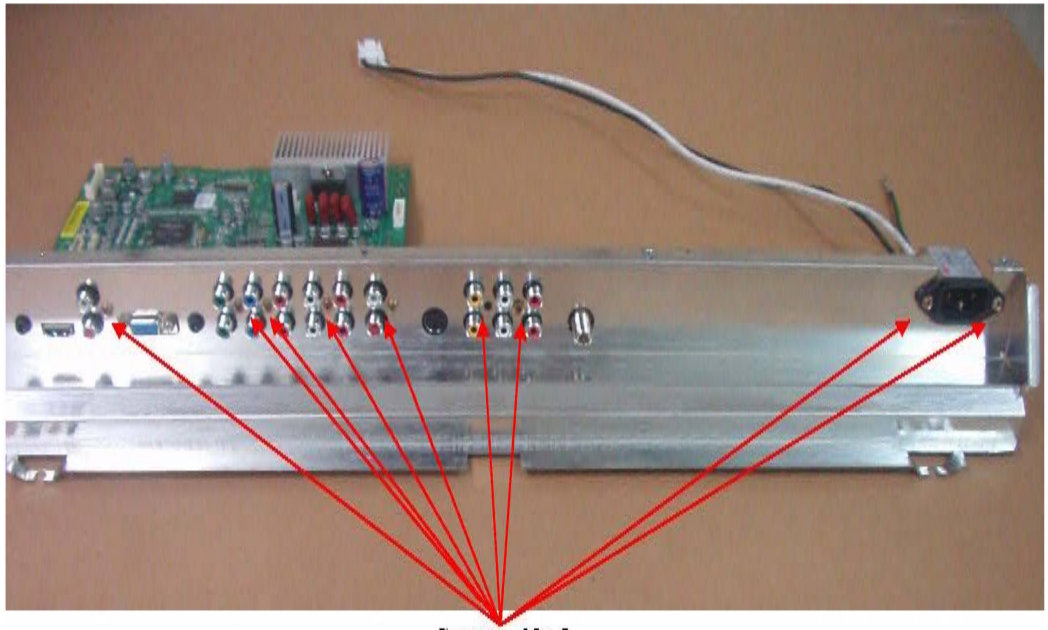
DD42NF02451

Use screw No. 3

Step 1



Step 2



4. Board

4-4. Video PCB

Step 3

Connect LVDS cable to Video PCB

* Loc. No. CON16
* LVDS cable Part Name : DD42C031501S

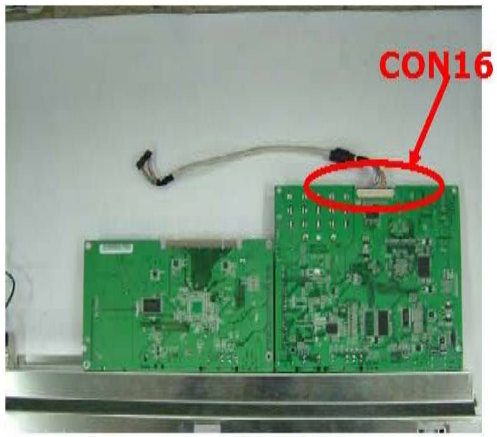
Step 4

Assemble Video PCB to main Shield.

Use screw No.5

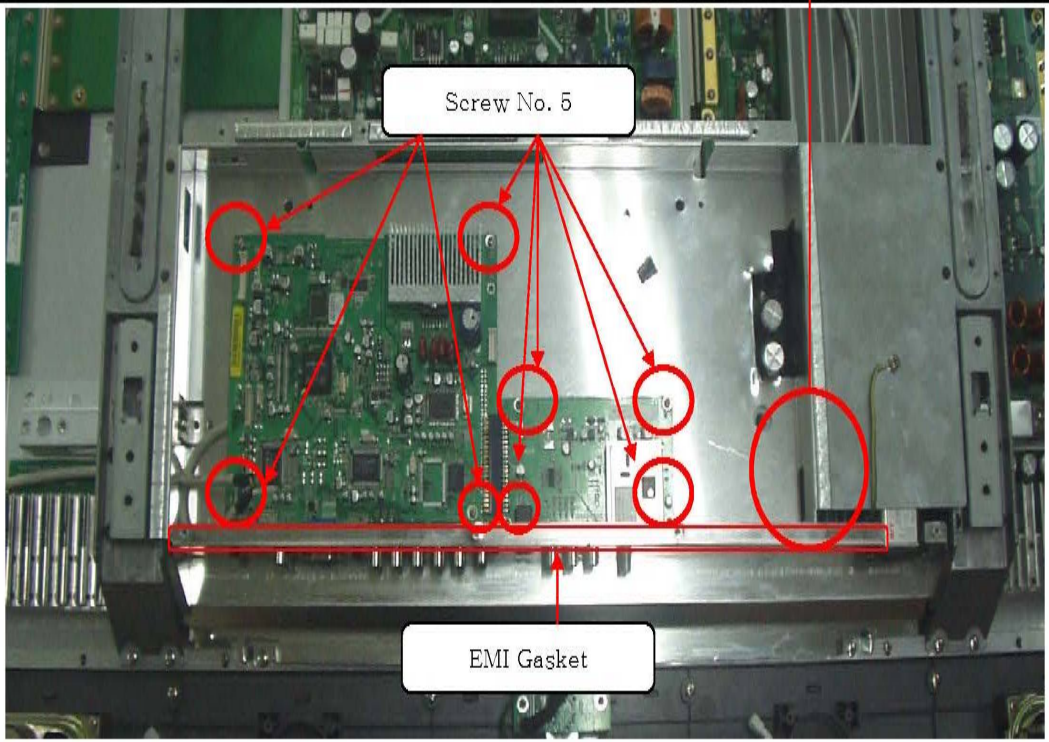
Use screw No.9 for GND Screw.

Step 3



Step4-Detail

Step 4



4. Board

4-4. Video PCB

Step 5

Connect cable to Video PCB.

Cable part name:

Power Cable(12p): DD42NR12401

Sound Power Cable(4P): DD42NR04451S

Speaker Cable: DD42CO06701

Connection Point

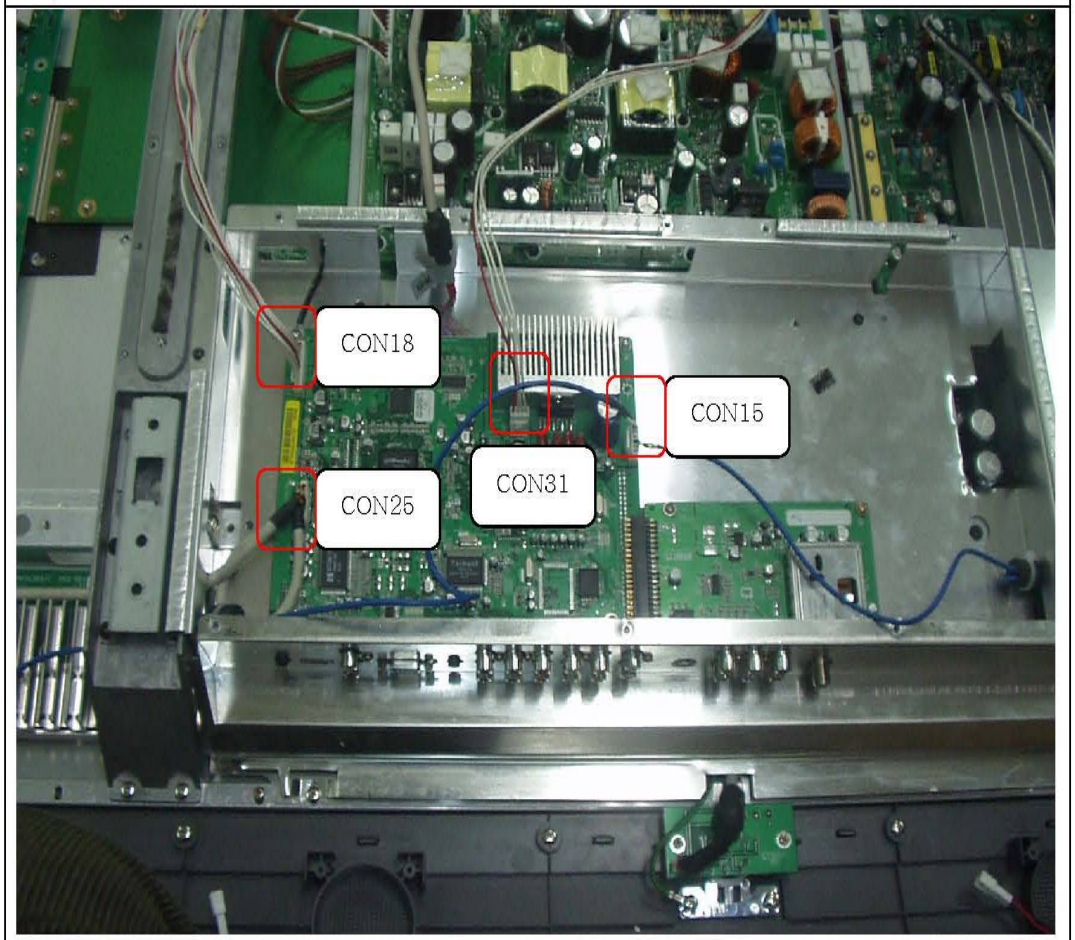
Power Cable(12p) <-> Main Board(CON18)

Sound Power Cable(4P) <-> Main Board(CON31)

Speaker Cable <-> Main Board(CON15)

Key LED IR Cable <-> Main Board(CON25)

Step5



4. Board

4-4. Video PCB

Step 6

Connect LVDS cable to Panel의 digital board.

Connection Point

LVDS Cable ←-→ Digital board(CN101)

Step7

Connect Speaker Cable to speaker(L/R)

Step8

Connect Power Cable & AC Power Cable to Power Board.

Connection Point

Power Cable(7P) ←-→ Power board(P201)

Power Cable(8P) ←-→ Power board(P203)

Power Cable(6P) ←-→ Power board(P202)

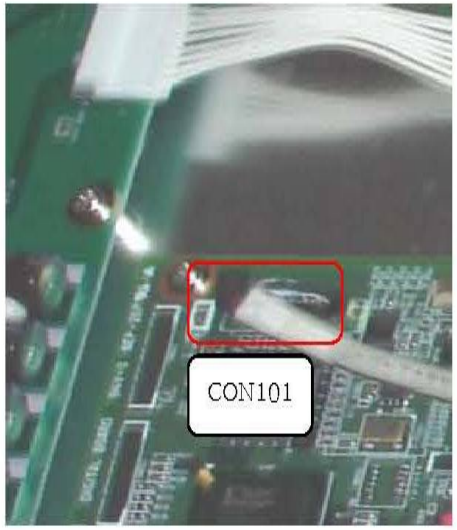
Step9

Power Cable과 AC Power Cable을 Power Board에 연결 시킨다.

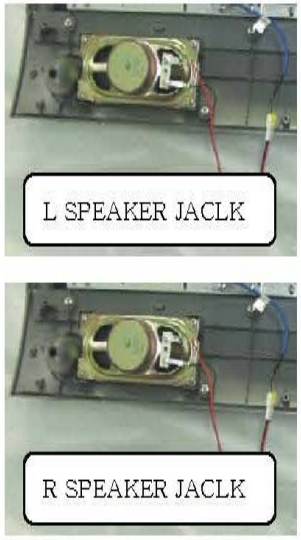
Connection Point

AC Power Cable(2P) ←-→ Power board(P1)

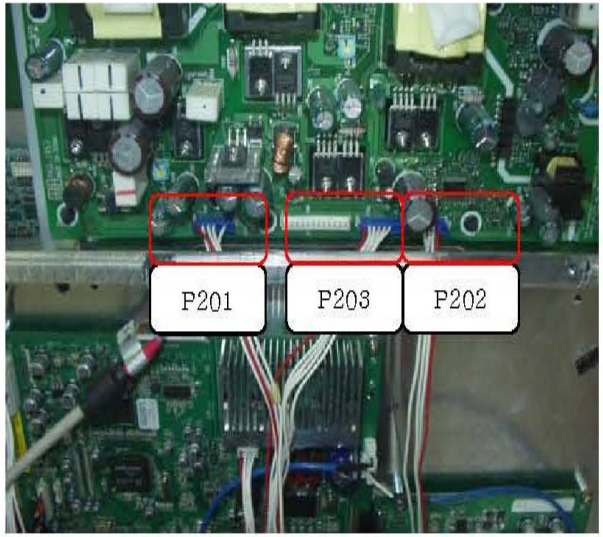
Step6



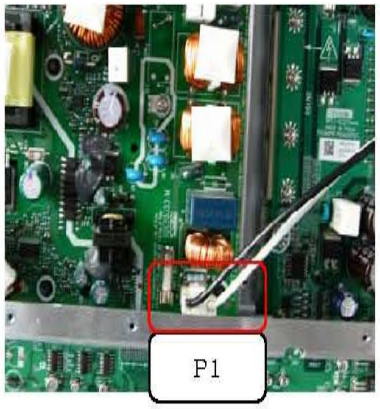
Step7



Step8



Step9



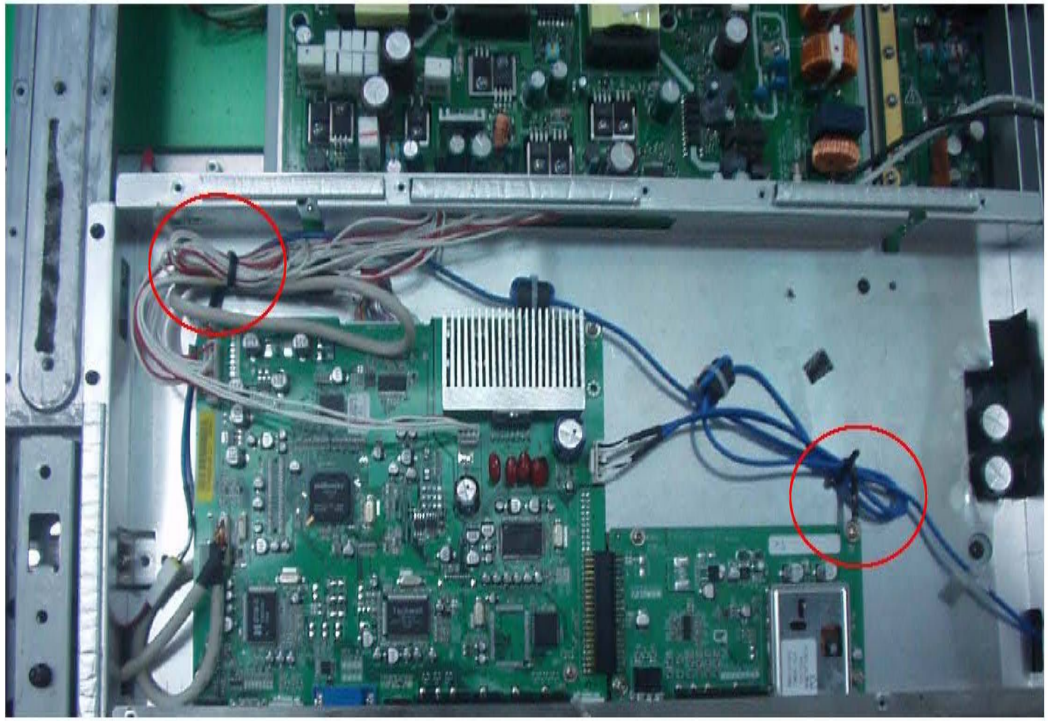
4. Board

4-4. Video PCB

Step 10

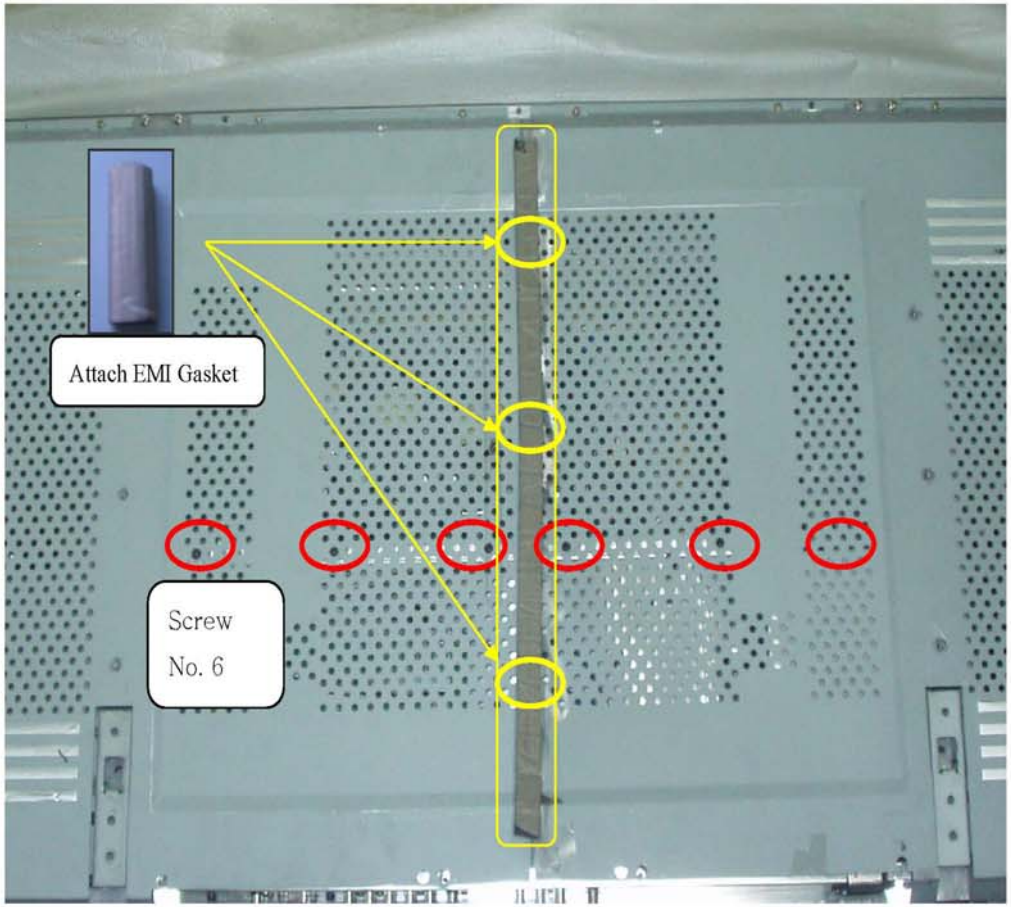
Tie cable by using retainer Coil.

Step9



Step9- Detail

5. Rear Shield

Step1	Step 1
Assemble back shield(L/R). Use screw No.6. * Attach EMI Gasket	

5. Rear Shield

Step2

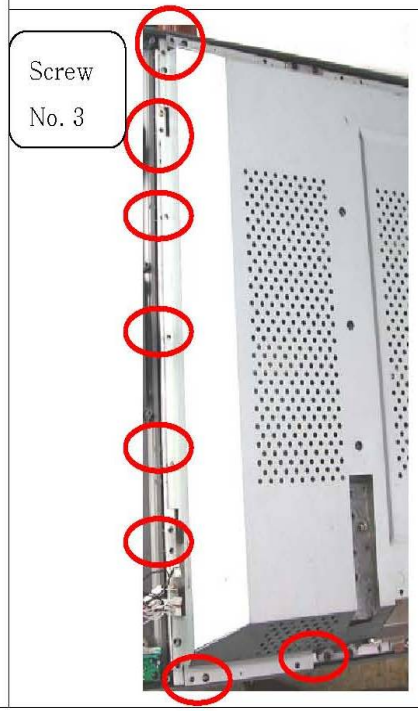
Assemble back shield.

Use screw No.3

Step 2-left top

Step 2 - right top

Step 2- left & left bottom



Step 2- right & right bottom

6. Key/LED/IR Board

Step 1

Assemble Knob control and Key Board.

Use screw No.3

Step 4

Connect key_led_ir cable to Key Board

Connection Point

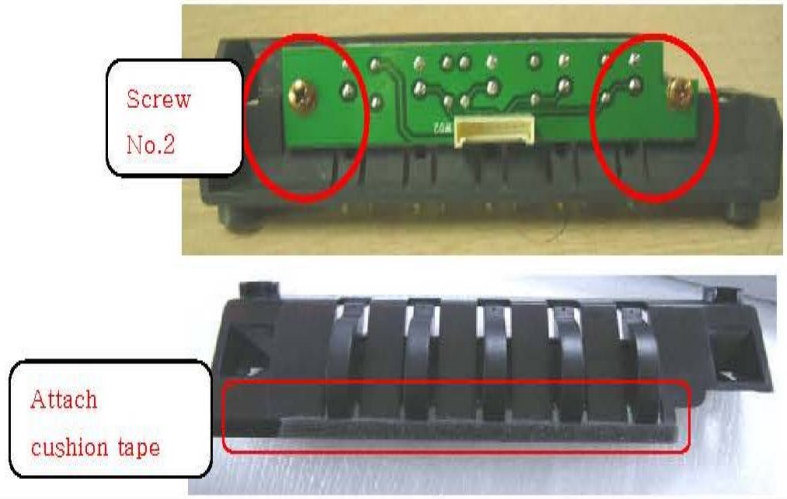
Key LED LR Cable ←-> Key Board(WO2)

Step 5

Assemble Key ass'y to front Cover.

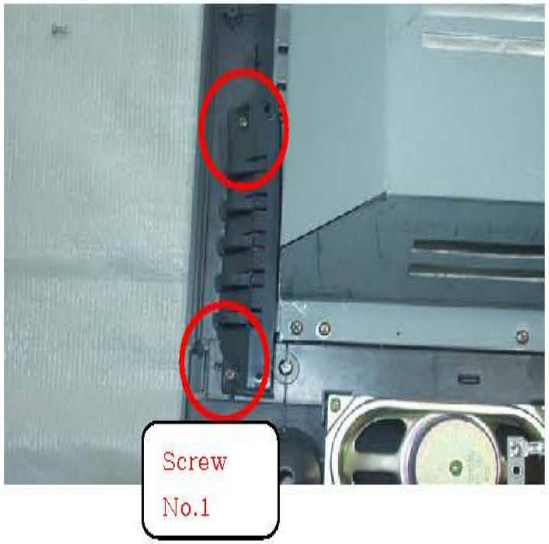
Use screw No.1

Step 1



Step 4

Step5



7. Back Cover

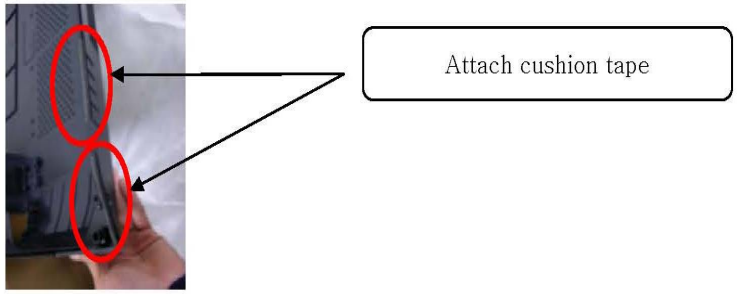
Step1

Attach cushion tape at left/right bottom edge of back cover

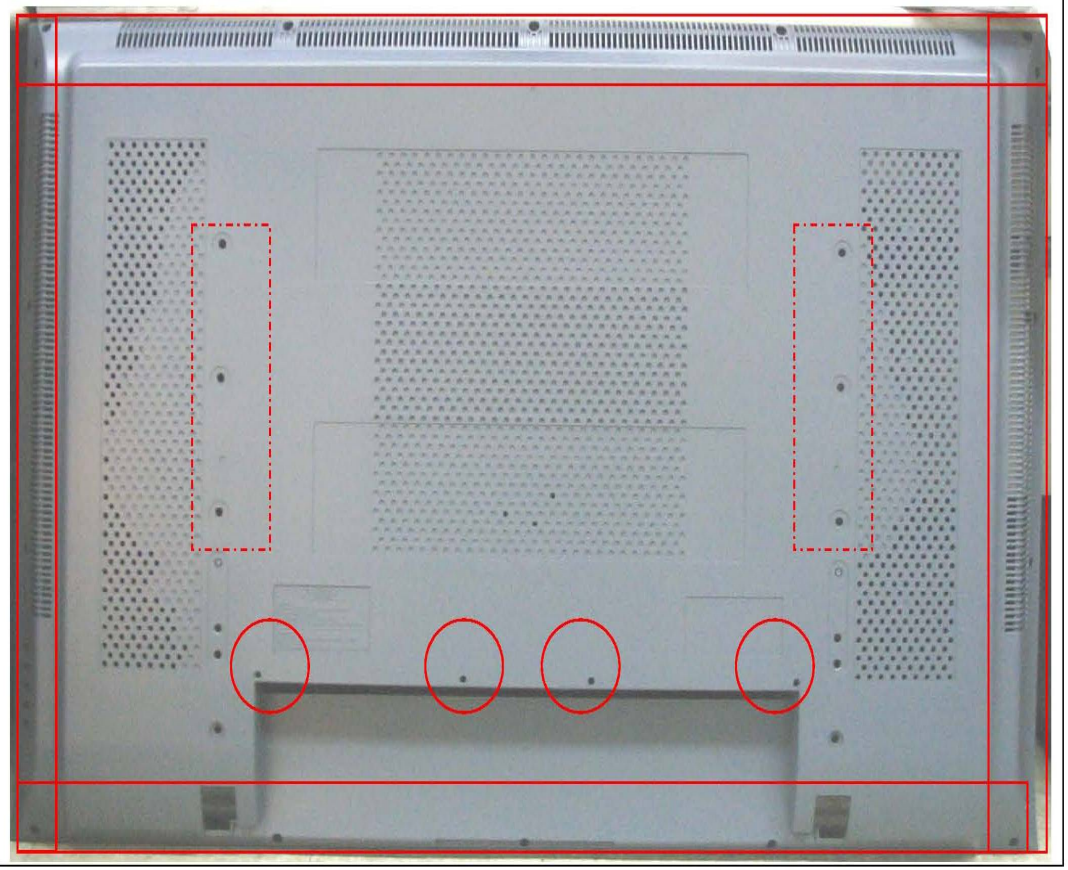
Step2

- Use screw No.10
- Use screw No.4
- Use screw No.6

Step1



Step2



Assemble Diagram

8. Part Name

8-1. Screw Part Name

NO.	IMAGE	SORT	NAME / SPEC
NO.1		Screw taptite 3*6	TWP+3*6(Black)
NO.2		Screw taptite 3*6	T/T-BP+3*6
NO.2		Screw taptite 3*8	T/T-BP+3*6
NO.3		Screw taptite 4*8	T/T-BP+4*8
NO.4		Screw taptite 4*10	T/S-2B+4*10Ni
N0.5		Screw machine3*8	SW-PW-P+3*8 8 Ni
N0.6		Screw machine3*6	WP+3*6 (Black)
N0.7		Screw machine4*6	P+4*6
N0.8		Screw machine4*8	WP+4*8 (Black)
N0.9		Screw machine4 + EXTERNAL TEETH WASHER	T/T CT BB+4*10
N0.10		Screw machine5*12	SW-PW-B+5*12Φ12 Ni
N0.11		Hexa Nut 15mm	

Assemble Diagram

9-2. Cable List

No.	PART NAME	PIN	DESCRIPTION	Q`ty	CONNECTION	Remarks
1	DD42NF02461		NOISE FILTER	1	P1 (POWER B/D)	
2	DD42NR04451S	4P	POWER Cable	1	P202(POWER B/D 6P) ←---→ CON31 (MAIN B/D4P)	
3	DD42NR12401	12P	POWER Cable	1	P201(POWER B/D 7P)/ P203(POWER B/D 8P) ←---→ CON18 (MAIN B/D 12P)	
4	DD42C031501S	31P	LVDS Cable	1	CON16 (MAIN B/D) ←---→ CN101 (DIGITAL B/D)	
5	DD42CO14601	14P	KEY_LED_IR Cable	1	CON25 (MAIN B/D) ←---→ JS1(KEY) /JS2(LED_IR)	
6	DD42CO06301	6P	내장형 SPEAKER Cable	1	CON35(MAIN B/D) ←----→ SPEAKER	
7	DD42NR04451	4P	Power Cable	1	CN302(PANEL 4P) ←----→ P206(POWER 4P)	
8	DD42NR10471	10P	Power Cable	1	CN301(PANEL 10P) ←-----→ P205(POWER 10P)	
9	DDL32GND--40	1P	GND Cable	1	IR Deco ←-→ Panel GND	
10	DD-SP1AS06-1	2P	Speaker Cable	2	Speaker ←----→ Speaker Cable