

Precautions for use

The following safety precautions are given throughout this manual. They must be strictly followed to protect those who install, use or maintain this product as well as to prevent other

Be sure to read the following

people's injuries and property damages.

- The following suggestions show the degree of danger and damage caused



WARNING

Indicates a situation where disregarding the suggestions could result in death or serious injury.



CAUTION

Indicates a situation where disregarding the suggestions could result in injury or product damage.

- The following graphic suggestions describe the types of precautions to be followed.



Indicates a matter of which care should be taken.



Indicates a matter which is forbidden.



Indicates a matter which should be performed without fail.

- The following graphic suggestions describe the types of precautions to be followed.

In this instruction manual, some procedures require a qualified in-shop maintenance person or industry specialist. For such instructions, a qualified person must take care of the jobs.

- Otherwise an electric shock, machine trouble, or a serious accident may result.
- Replacing the machine parts, inspecting and maintaining the machines, and troubleshooting must be assigned only to a qualified in-shop maintenance person or industry specialist. This booklet gives instructions that hazardous jobs in particular must be handled by an industry specialist. Qualified in-shop maintenance persons and industry specialist are defined as follows.

Qualified in-shop maintenance persons

- A qualified in-shop maintenance person must have experience in maintaining amusement machines. Under the supervision of an amusement machines shop owner or manager, he or she routinely assembles, installs, inspects and maintains the amusement machines, or replaces their component units and consumable parts, in the amusement machines workshop and/or location.

Jobs handled by qualified in-shop maintenance persons

- Assembling, installing, inspecting and maintaining amusement machines and replacing their component units and consumable parts.

Industry specialist

- An industry specialist must be engaged in designing, manufacturing, inspecting and servicing amusement machines. Or he or she must have an education in electrical, electronic and mechanical engineering, and routinely maintain and repair amusement machines.

Jobs handled by industry specialist

- Assembling and installing amusement machines and repairing and adjusting their electrical, electronic and mechanical component parts.

Setting Up

WARNING

Be sure to consult your nearest dealer when setting up, moving or transporting this product.

- This product should not be set up, moved or transported by any one other than an industry specialist. Doing so could result in injury or product damage.
- When installing this product, set the 4 leg levelers evenly on the floor and make sure that the product is installed stably in a horizontal position. Unstable installation may result in injury or accident.
- When installing this product, use caution not to apply undue force to opening and closing parts and other movable parts. Otherwise, injury and accident may result, or the product may be damaged.

 This product is an indoor game machine. Never set the game up outside.

- Setting this product up outside could result in accidents or equipment failure.

 Do not set the game up near emergency exits.

- Doing so could block exits in time of emergency and could result in death or serious injury.

 Do not set the game up.

- In a place exposed to rain or moisture.
- In a place exposed to direct sunlight.
- In a place exposed to direct heat from air-conditioning and heating equipment, etc..
- Near hazardous flammable substance such as thinner and kerosene.
- Otherwise an accident or malfunction may result.

 Do not place containers holding chemicals or water on or near the game machine.

- Electrical shock or damage could be caused by water or foreign matter entering the inside of the machine.

 Do not place objects near the ventilating holes.

- Doing so could cause the internal temperature to rise excessively, resulting in fire or equipment failure.

 Do not bend the power cord by force or place heavy objects on it.

- Doing so could result in electrical shock or fire.

 Never plug or unplug the power cord with wet hands.

- Doing so could result in electrical shock or fire.

 Never unplug the game by pulling the power cord.

- Doing so could damage the cord, resulting in electrical shock or fire.

CAUTION

Be sure to use indoor wiring for within the specified voltage range. For extension cord, use indoor wiring of the specified rating or more.

- Failure to do so could result in fire or equipment failure.

 Be sure to use the attached power cord.

- Otherwise a fire or machine trouble may result.

 Never plug more than one cord at a time in the electrical receptacle.

- Doing so could result in fire or electrical shock.

 Do not lay the power cord where people walk through. You may trip on or stumble over the cord.

- You may stumble down and get injured, or damage the power cord.

 Be sure to ground this product.

- Otherwise an electrical shock or machine trouble may be caused.

 Do not apply a strong force for moving the machine.

- Otherwise, it may result in an accident or breakage of the units.

 Clearance of 100 mm (3.94in) or more should be created between the game machine and walls.

- Otherwise the machine (s) cannot be ventilated well, resulting in malfunction.

 Do not change the DIP switch setting of this product to other than factory setting.

- Otherwise, the game can not be played properly.

Inspection and cleaning / Moving and transportation

WARNING

-  Be sure to turn OFF the main power switch and unplug the power cord from the receptacle before inspecting or cleaning the machine.
 - Failure to do so could result in electrical shock.
-  When replacing parts, be sure to use parts of the correct specifications. Never use parts other than the specified ones.
 - Using improper parts could result in fire or equipment failure.
-  There is high voltage inside the machine. Only qualified industry specialist is allowed to open the machine's back door. With the back door open, be very careful not to touch the monitor and its nearby parts.
 - Otherwise an accident or electric shock may result. Never allow anyone else but ANDAMIRO's service engineers to open the upper door on the back of the machine.
-  If the sub power switch of the service panel is turned OFF without turning OFF the main power switch of the power supply unit, some parts in the units remain live. When opening the back door, be sure to turn OFF the main power switch and unplug the power cord from the receptacle.
 - Otherwise, there may be danger an accident or electric shock.
-  Strictly refrain from disassembly and repair of parts which are not indicated in this manual, as well as settings and remodeling.
 - Otherwise, a fire, malfunction or trouble may result. In case of any trouble, ask your nearest dealer for repairs and other services. ANDAMIRO will not resume any responsibility for the damage to the product attributable to disassembly and repair of parts which are not indicated in this manual, as well as settings and remodeling.

To clean the game machine, wipe it with a soft cloth dampened in a neutral detergent.

- Using thinner or other organic solvent or alcohol may decompose the material.
- Electrical shock or equipment failure could be caused by water entering the inside of the machine.

CAUTION

-  The game machine contains parts such as the monitor, electronic components and precision components which are sensitive to vibrations and impacts, Great care therefore should be taken when moving and transporting the game machine.
Be sure not to let the machine tip over.
-  Before moving the machine, be sure to turn OFF the main power switch, unplug the power cord from the receptacle and remove the power cord from the machine.
 - Stepping on or tripping over the power cord may result in an accident or damage to the machine.

Before moving the machine, be sure to fully lift the four levelers and move it on the casters.

- Otherwise, an accident, breakage or trouble may result.

Do not apply a strong force for moving the machine.

- Otherwise, it may result in an accident or breakage of the units.

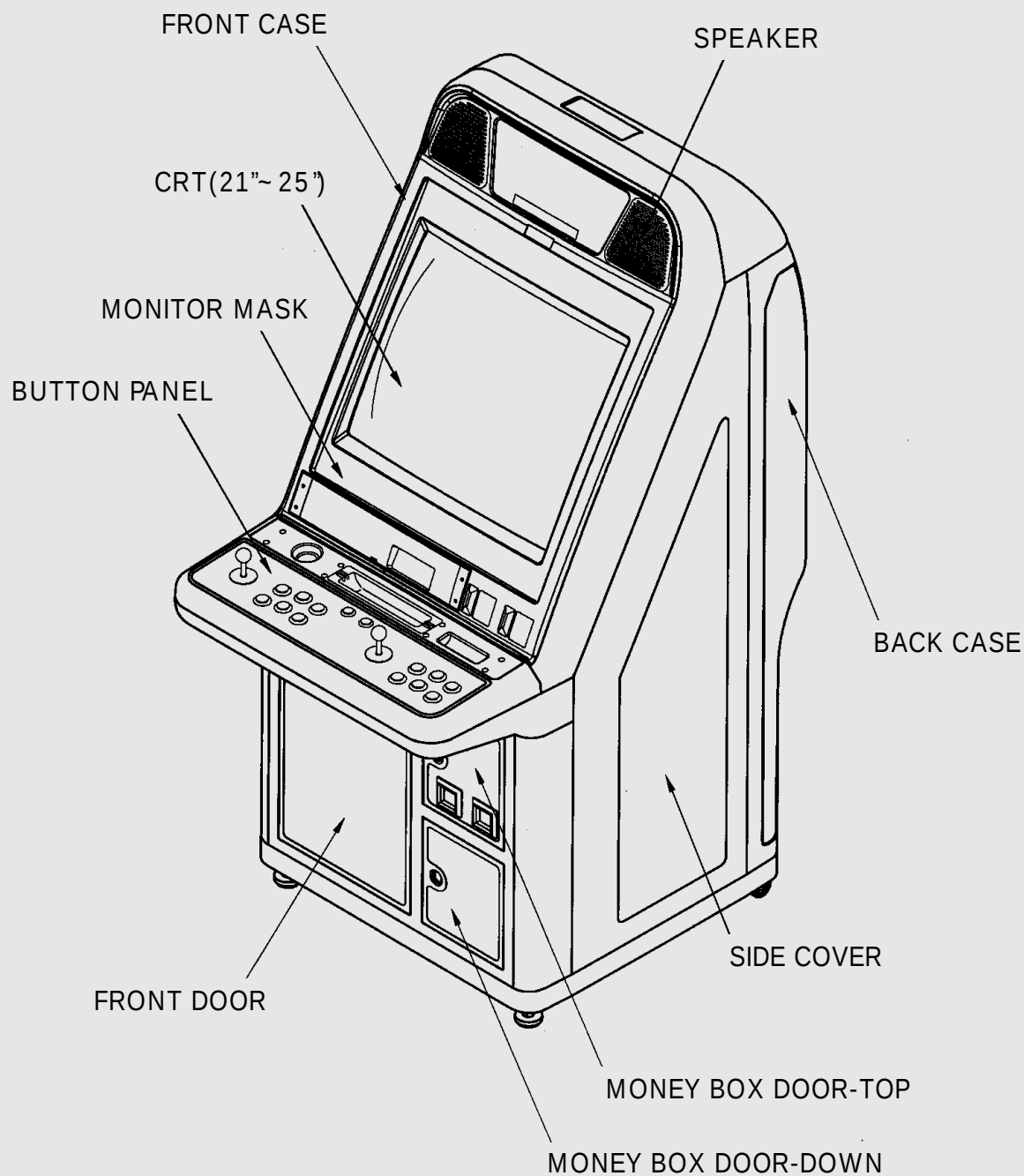
PERCAUTION HANDLING

- When setting up, inspecting, maintaining, moving or transporting this product, follow the procedures and instructions set forth in this manual and perform such work safely.
- Do not set up, handle, inspect, maintain, move or transport this product under conditions equivalent to the condition of "WARNING" or "CAUTION" specified in this manual.
- If a new owner is to have this product as a result of transfer, etc., be sure to give this manual to the new owner.



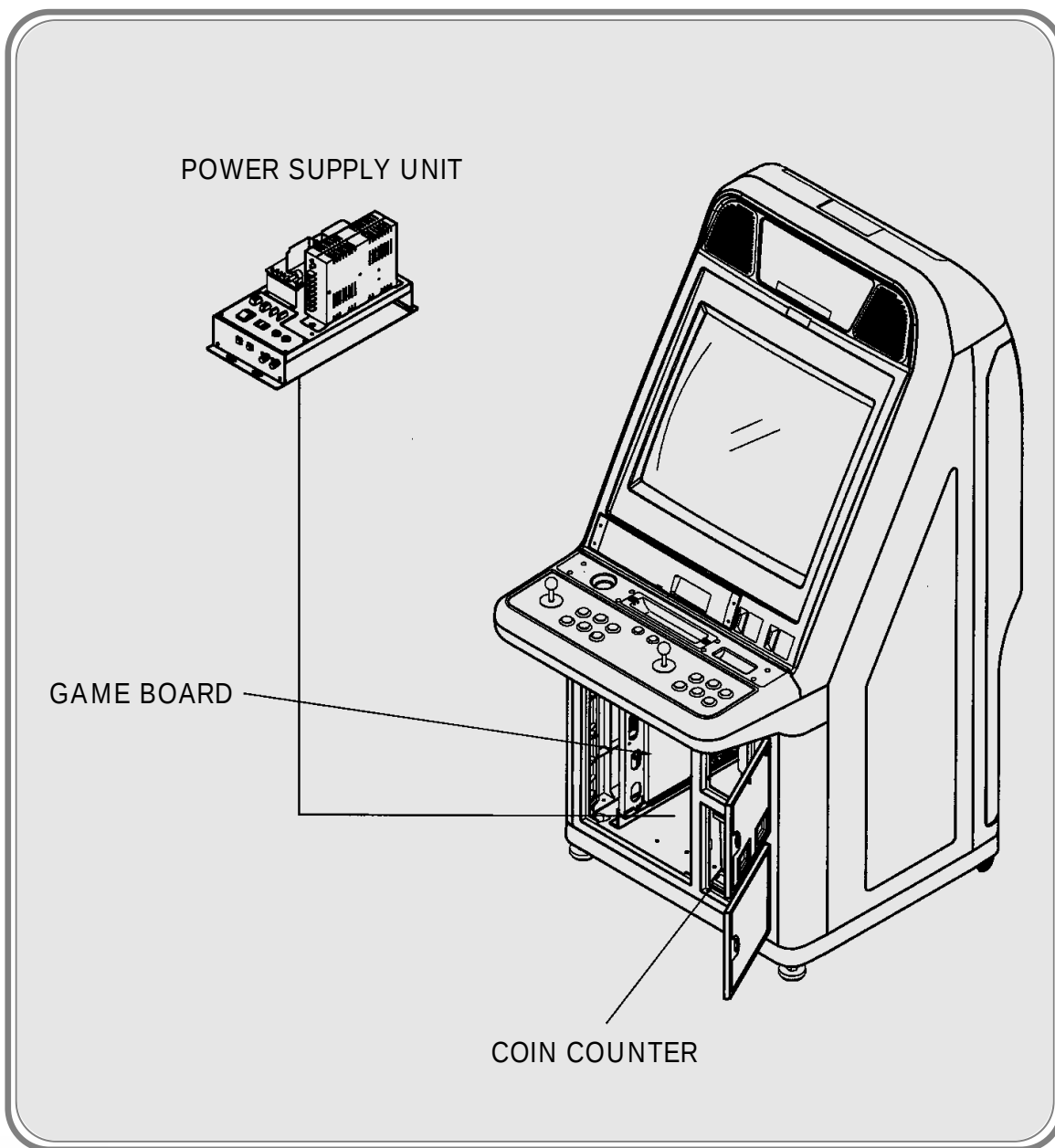
1. NAME OF EACH PART

► 1-1) NAME OF EACH PART





▶ 2-3) COIN COUNTER & POWER SUPPLY UNIT



STOP

IMPORTANT

**If COIN COUNTER and GAME BOARD are disconnected electrically,
game operation does not function.**

COIN COUNTER is located under the COIN BOX and counts number of coin to be inputted.



3. NOTICES IN TREATMENT

▶ 3-1) NOTICES IN TREATMENT

- **When installing or checking machine, you must follow the following notices to enable users to enjoy game safely.**

Check the usage voltage, and then turn on the power button.

Do not insert or remove plug.

Do not use a non-standard fuse.

If GAME BOARD and other connection part are inserted completely, it is very risky.

Please check whether access is completed or not.

Temperature for operation must be maintained between 5 and 40 .

If you clean the surface of CRT, you can use smooth and dry cloth and cannot diluent, which is diluted with chemicals such as benzene.

For static electricity

When power supply is cut or off, you can feel turning on a little electric current in touching monitor. But, this is resulted from static electricity and will not injure people.

▶ 3-2) PRECAUTIONS IN TREATMENT

- **This device is indoor game machine. Do not install and operate it outside. In installation inside, you must avoid the following places.**

If you install this product in the inclined or unstable place, it can cause damage or injury.
If you install this product in humid, dusty, water(rainwater)-spattered place, it can cause electric shock and fire.

Do not place candle and cigarette on product, or install near heating engine.

Do not place very flammable chemicals or violently impactful things.

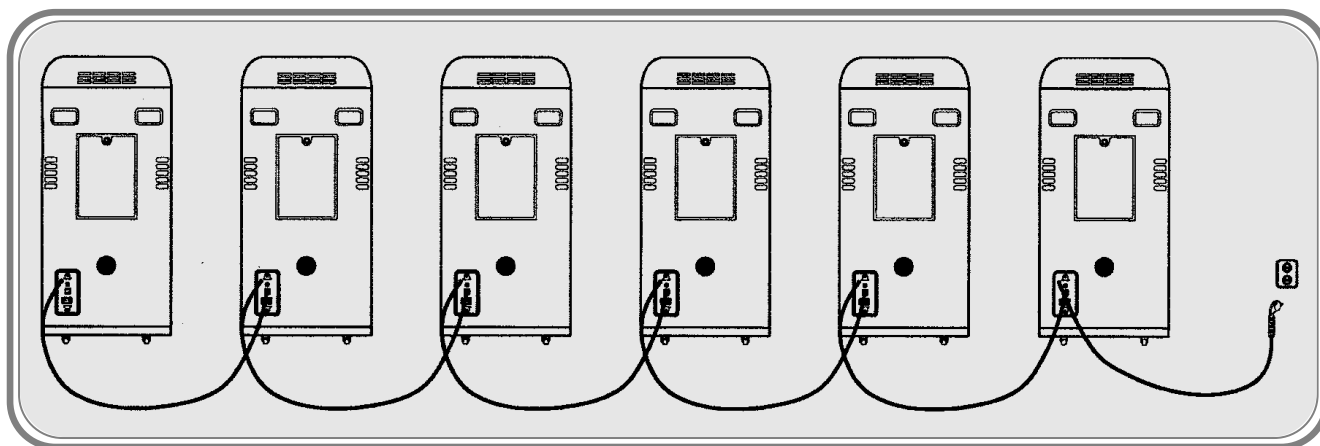


► 4-2) INSTALLATION



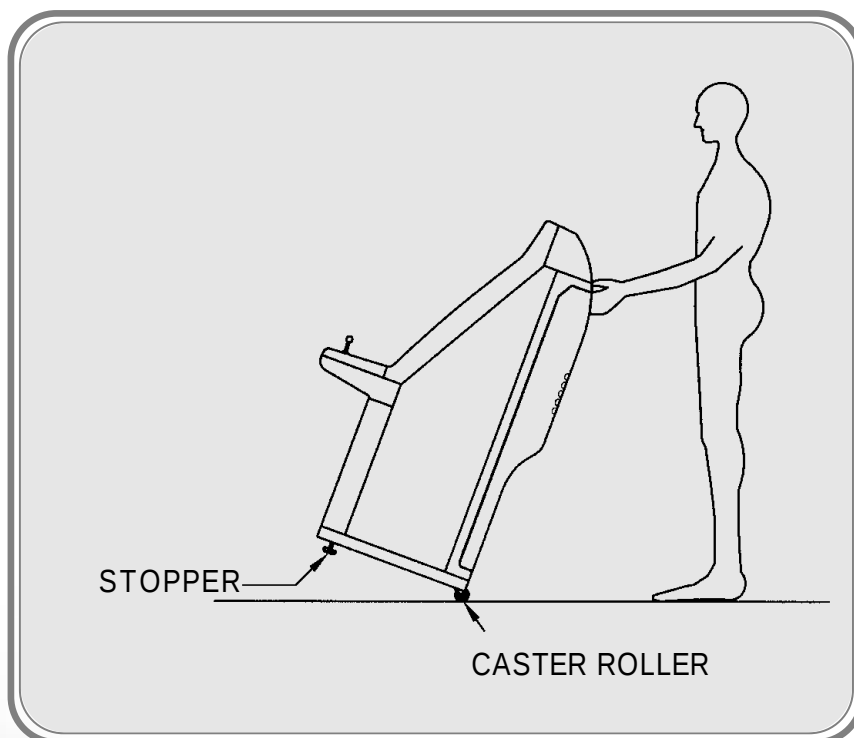
WARNING

Acceptable maximum current of this machine is 10A with outlet. You can connect up to 6 devices. When you connect 7 devices or more, it is prohibited strictly because the current is higher than 10A of the designated current, it is very



► 4-3) MACHINE TRANSPORTATION

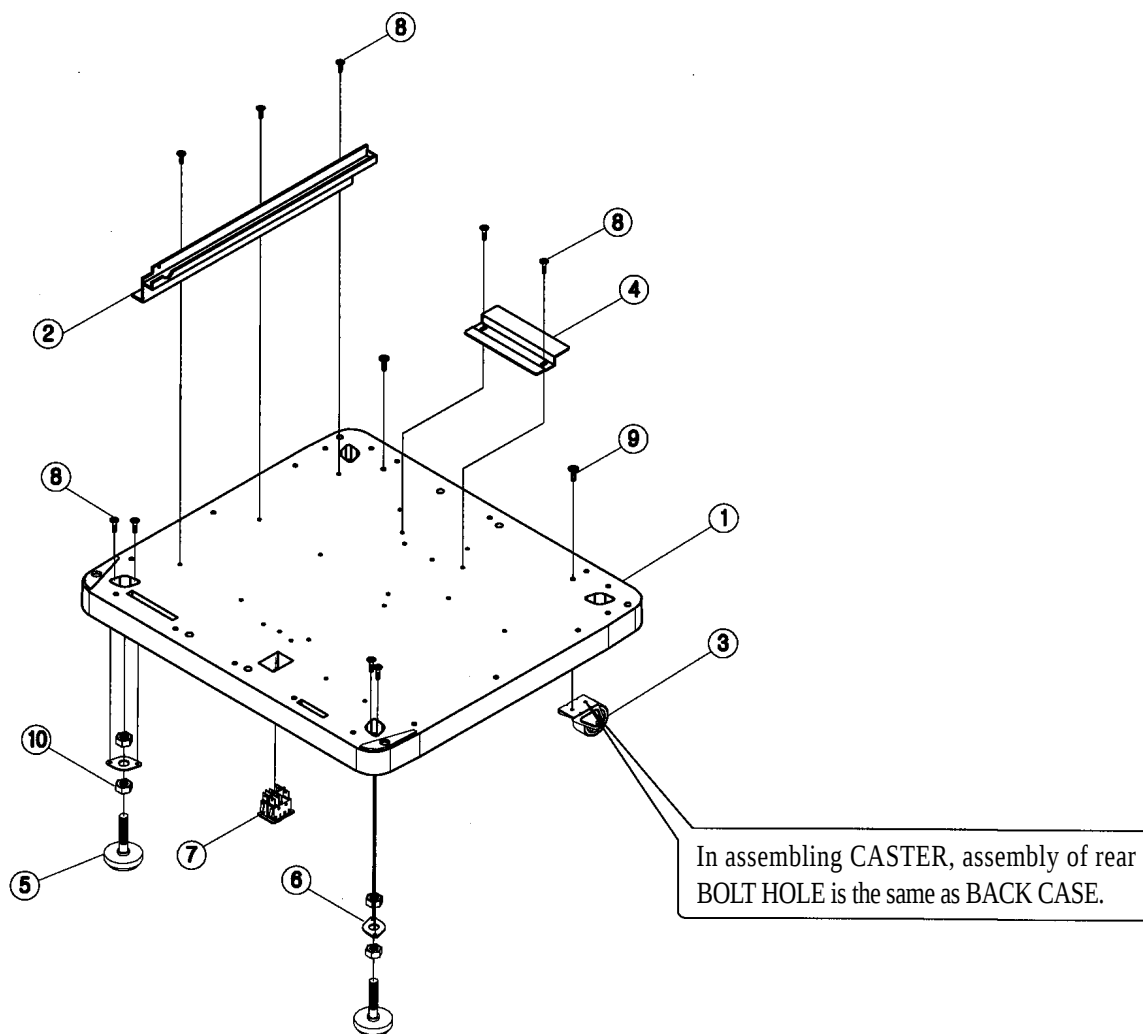
In transporting machine, follow the method as shown in the right figure.





5. ASSEMBLY DIAGRAM AND PART LIST

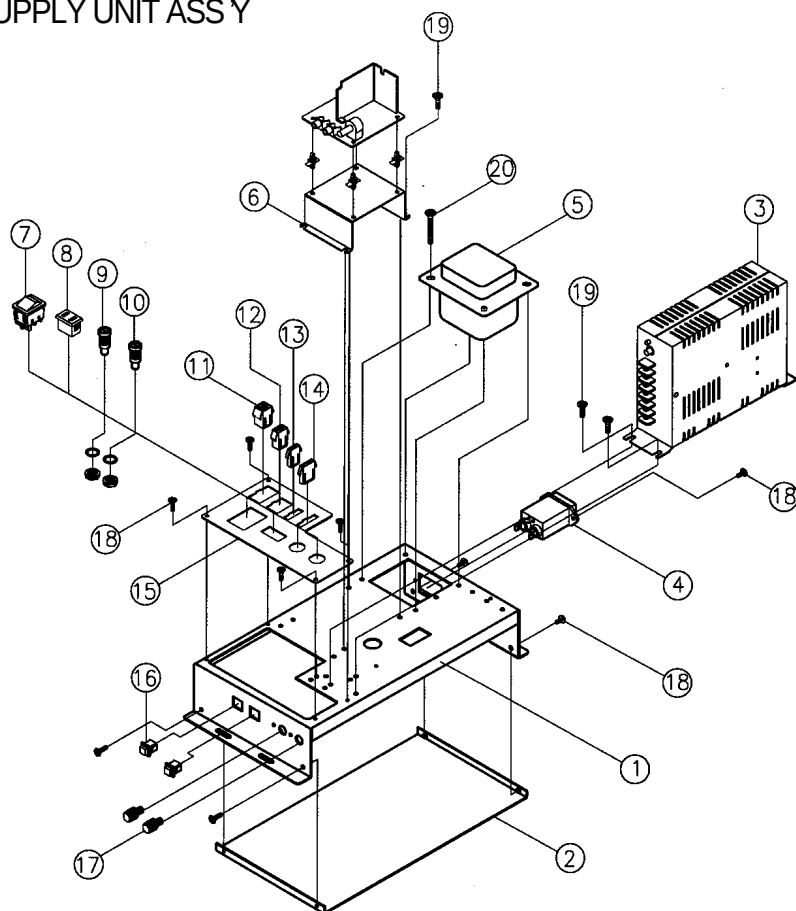
► 5-1) MAIN BASE ASS Y



NO.	PARTS NAME	SPEC	Qty	CODE NO.
1	BOTTOM CASE		1	C03009-008A
2	MAIN BOARD GUIDE-DOWN		1	C03009-028A
3	CASTER ROLLER		2	M06001-005A
4	POWER SUPPORT BRACKET		1	M02009-028A
5	STOPPER		2	M07000-004A
6	STOPPER WASHER		2	M02009-049A
7	ROCKER SWITCH	T-120	1	A04004-001A
8	WASHER BASED BOLT	M4×20L	9	M14015-015A
9	WASHER BASED BOLT	M5×25L	2	M14015-022A
10	HEXAGON NUT	M10-White zn	4	M15001-007A



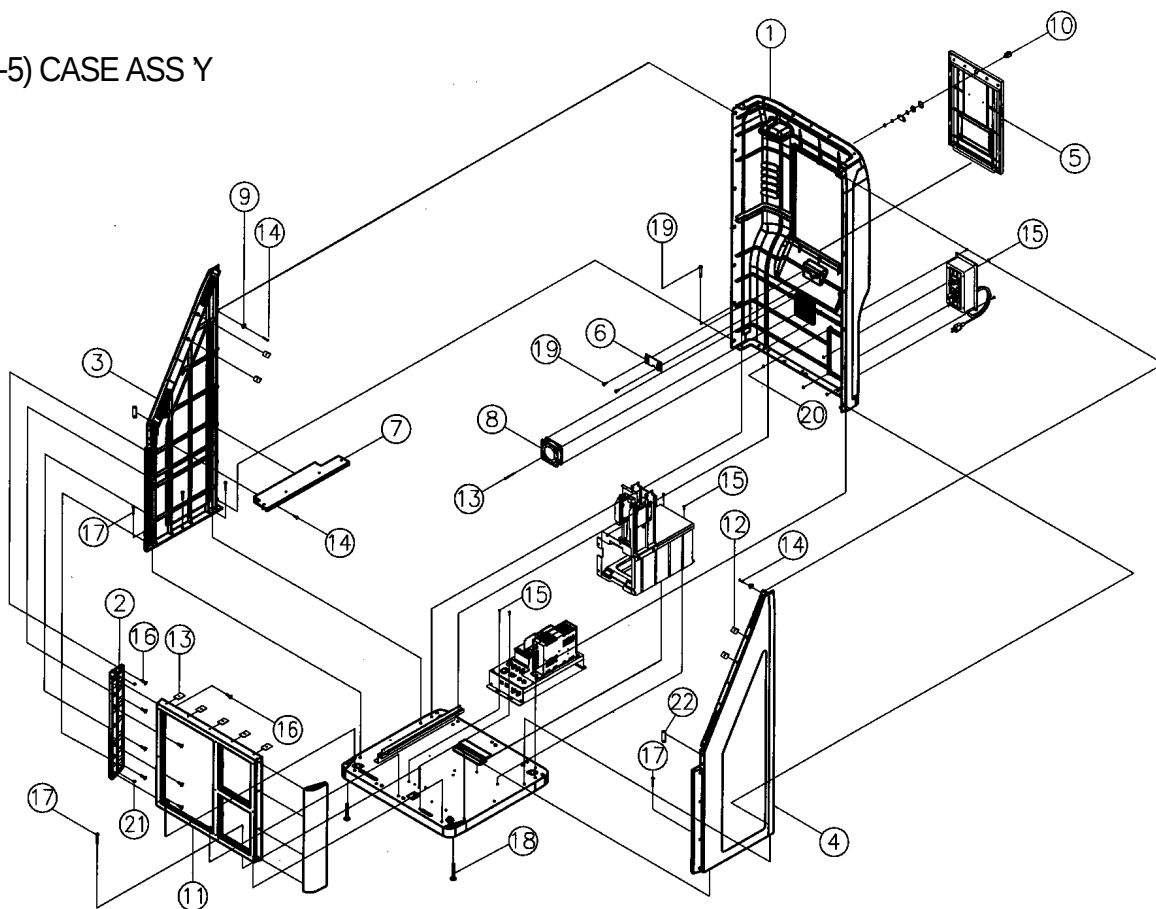
► 5-3) POWER SUPPLY UNIT ASS Y



NO.	PARTS NAME	SPEC	Qty	CODE NO
1	POWER MAIN BRACKET		1	M02009-038A
2	POWER COVER BRACKET B		1	M02009-040A
3	POWER-SMPS	SPS-1503BE	1	A02001-008A
4	NOISE FILTER	250V 6A	1	A06000-003A
5	TRANSFORMER		1	A07003-002A
6	AMP BOARD BRACKET		1	M02009-053A
7	ROKER SWITCH	T-120	1	A04004-001A
8	AC RECEPTACLE	HS-002	1	A28000-002A
9	FUSE	3A	1	A15003-001A
10	FUSE	5A	1	A15004-001A
11	DC OUT(HOUSING)	12P	1	
12	SERVICE TEST SOUND(HOUSING)	9P	1	
13	FL GERT LIGHT OUT(HOUSING)	4P	1	
14	SPEAKER(HOUSING)	3P	1	
15	POWER COVER BRACKET A		1	M02009-039A
16	PUSH BUTTON SWITCH	125V 1A	2	A04001-003A
17	VOULME	100Ω	2	A22000-003A
18	WASHER BASEDBOLT	M3×6L	10	M14015-001A
19	WASHER BASEDBOLT	M4×6L	8	M14015-009A
20	WASHER BASEDBOLT	M4×60L	4	M14015-029A



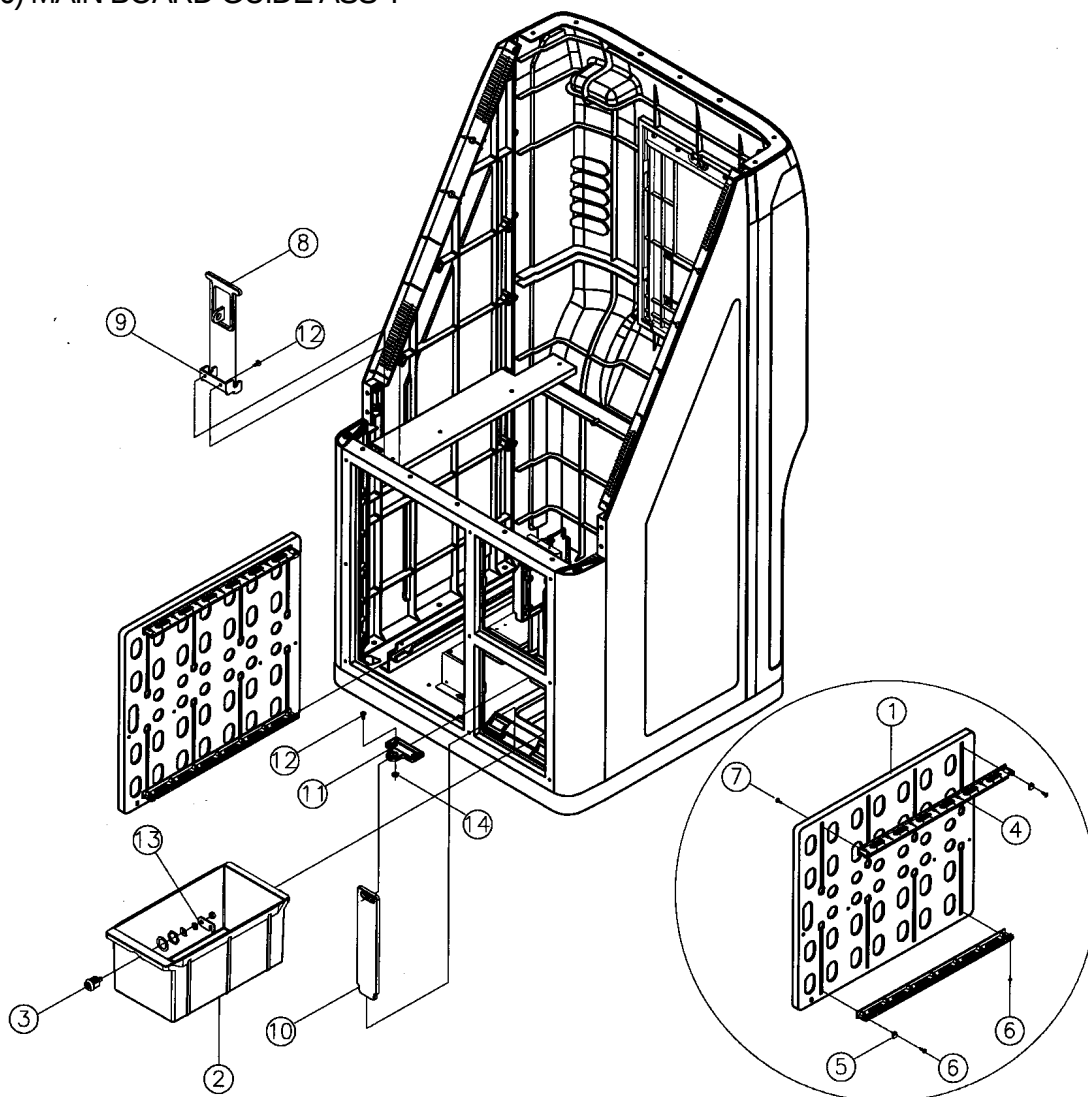
► 5-5) CASE ASS Y



NO.	PARTS NAME	SPEC	Qty	CODE NO
1	BACK CASE		1	C03009-001A
2	CORNER CASE		2	C03009-021A
3	SIDE COVER-L		1	C03009-004A
4	SIDE COVER-R		1	C03009-005A
5	FRONT & REAR DOOR		1	C03009-011A
6	LAN CABLE LOCKING		1	C03009-049A
7	MAIN BOARD GUIDE-UP		1	C03009-027A
8	FAN	AC	1	A20001-001A
9	BOLT BUSHING		14	M02009-053A
10	KEY ASS Y	6089	1	AM01-ZZS01A
11	DOOR FRAME		1	C03009-007A
12	M5 BOLT WAHSER		9	M02009-051A
13	WASHER BASEDBOLT	M4×30L	4	M14015-025A
14	WASHER BASEDBOLT	M4×8L	17	M14015-010A
15	WASHER BASEDBOLT	M4×20L	8	M14015-015A
16	WASHER BASEDBOLT	M5×10L	16	M14015-018A
17	WASHER BASEDBOLT	M5×25L	18	M14015-022A
18	WASHER BASEDBOLT	M8×40L, Hexagonal head +Home	2	M14015-027A
19	WASHER BASEDBOLT	M4×10L-2Types	2	M14015-030A
20	HEXAGON NUT	M4	4	M15001-002A
21	HEXAGON NUT	M8	4	M15001-006A
22	BUTTON PLATE FIX WASHER		2	M02009-015A



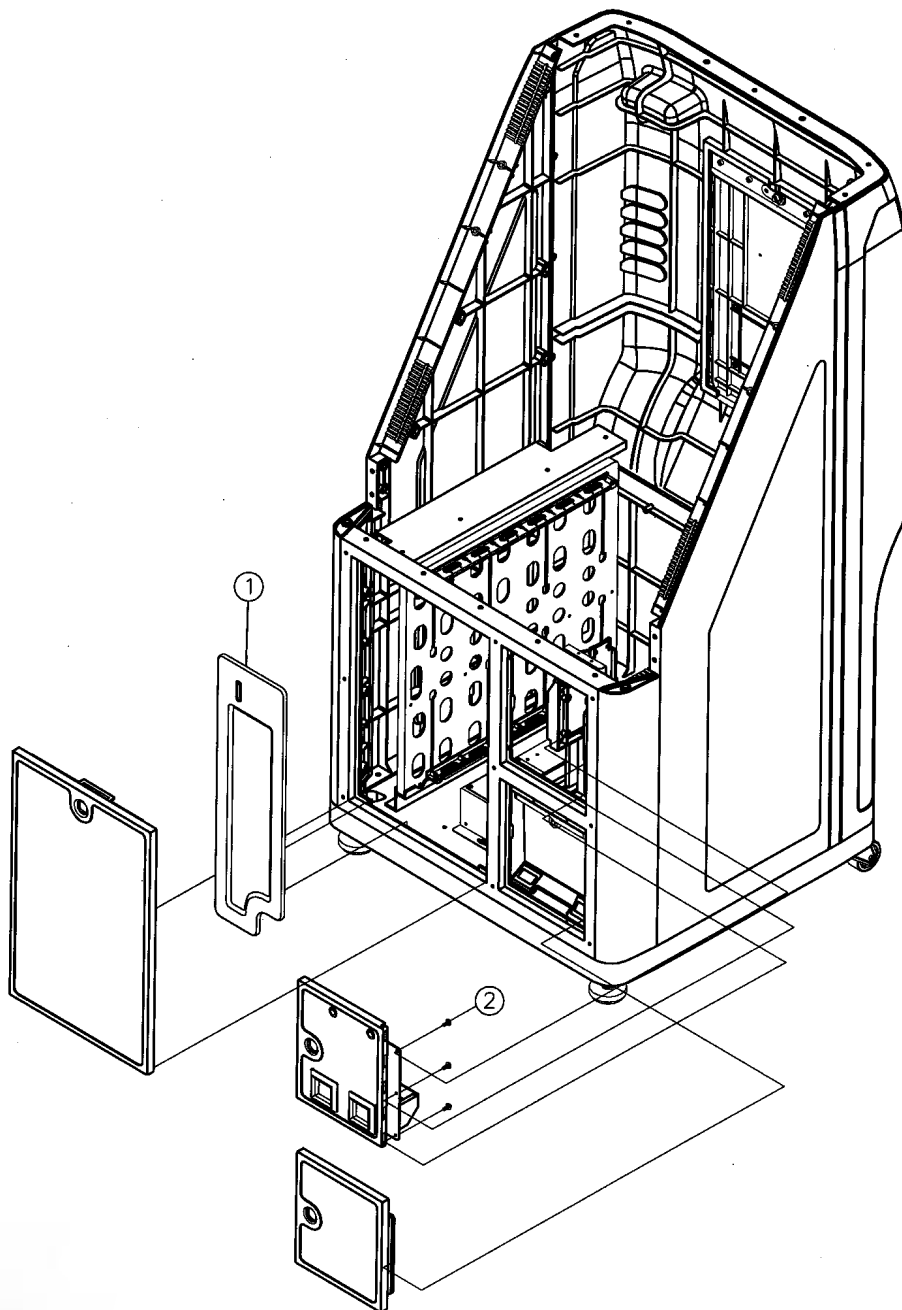
► 5-6) MAIN BOARD GUIDE ASS Y



NO.	PARTS NAME	SPEC	Qty	CODE NO
1	MAIN BOARD PANEL		1	C03009-022A
2	COIN BOX		1	C03009-038A
3	KEY ASS Y	0720	1	AM01-ZZS02A
4	MAIN BOARD GUIDE		2	C03009-029A
5	MAIN BOARD GUIDE SUPPORT		2	C03009-030A
6	TRUSS BOLT	M3×8L-2Types	3	M14006-041A
7	WASHER BASED BOLT	M4×8L-2Types	8	M14015-026A
8	MAIN PCB LOCK HINGE		1	M02009-046A
9	MAIN PCB LOCK SUPPORT		1	M02009-062A
10	COIN BOX LOCKING		1	M02009-059A
11	COIN BOX LOCK SUPPORT		1	M02009-063A
12	WASHER BASED BOLT	M5×10L	4	M14015-018A
13	DOOR LOCK		1	M02009-050A
14	FLANGE NUT	M5	2	M15003-003A



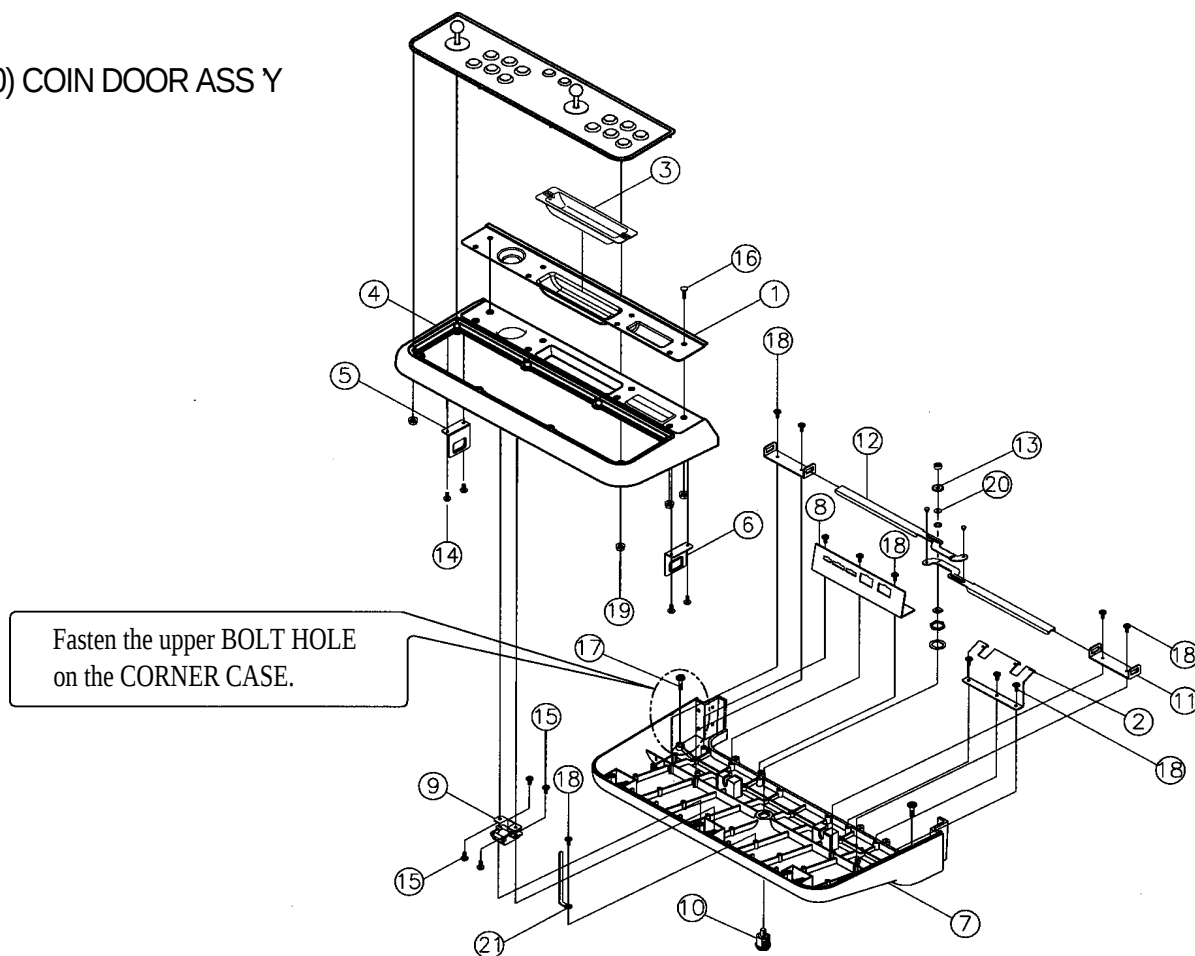
► 5-8) SERVICE, COIN DOOR, CASE ASSY



NO.	PARTS NAME	SPEC	Qty	CODE NO
1	MAIN PCB BURGLARPROOF LOCK		1	M02009-045A
2	WASHER BASEDBOLT	M4×10L	3	M14015-011A



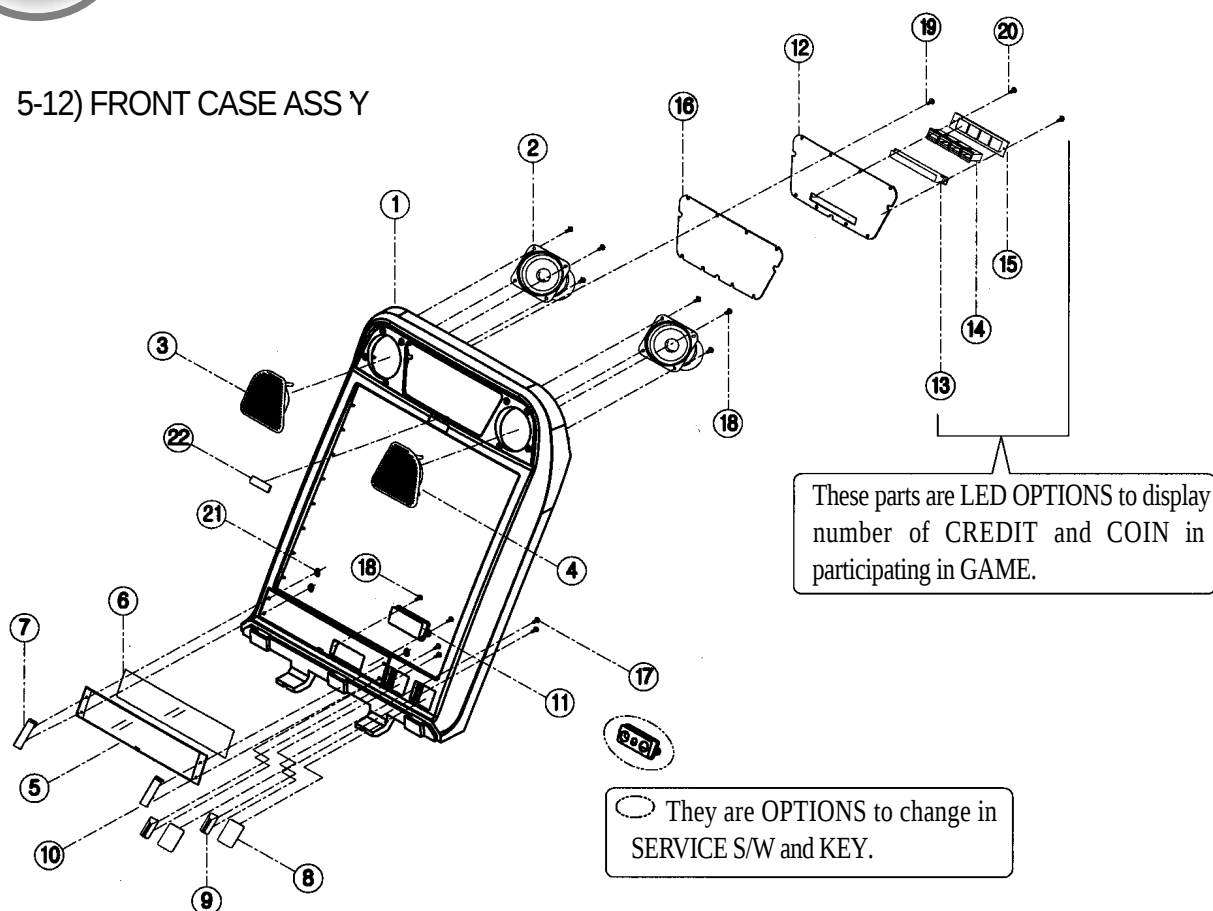
► 5-10) COIN DOOR ASS Y



NO.	PARTS NAME	SPEC	Qty	CODE NO
1	COIN COVER		1	M02009-008A
2	COIN GUIDE BRACKET UP		1	M02009-014A
3	ASHTRAY		1	M02009-018A
4	UPPER BUTTON CASE		1	C03009-020A
5	BUTTON PL LOCK BRACKET-L		1	M02009-026A
6	BUTTON PL LOCK BRACKET-R		1	M02009-027A
7	LOWER BUTTON CASE		1	C03009-003A
8	CONNECTOR BRACKET		1	M02009-030A
9	HINGE		3	M02009-052A
10	KEY ASS Y	6089	1	AM01-ZZS01A
11	KEY LOCKING GUIDE		2	M02009-025A
12	LOCKING BRACKET		2	M02009-006A
13	KEY LOCKING GEAR		1	C03009-052A
14	WASHER BASED BOLT	M4×8L	4	M14007-010A
15	WASHER BASED BOLT	M4×10L	12	M14015-011A
16	MUTE BOLT	M4×16L-Ni	8	M14001-002A
17	WASHER BASED BOLT	M8×40L, Hexagonal head+Home	2	M14015-027A
18	WASHER BASED BOLT	M4×8L-2Types	13	M14015-026A
19	FLANGE NUT	M4	16	M15003-002A
20	KEY LOCK WASHER		1	M02009-041A
21	CABLE TIE		3	C03000-011A



► 5-12) FRONT CASE ASS Y

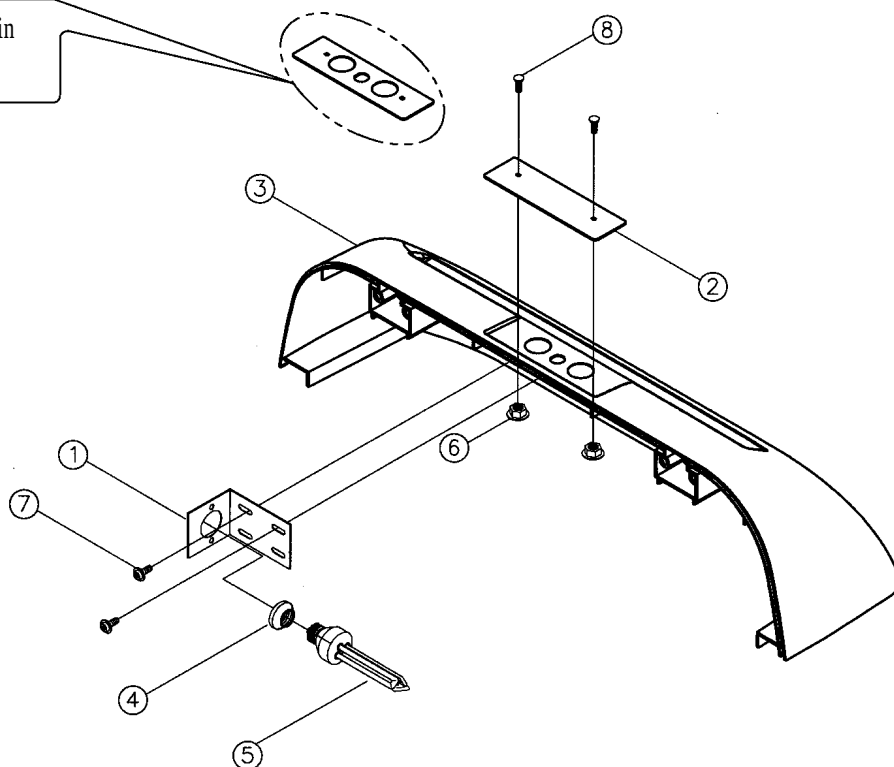


NO.	PARTS NAME	SPEC	Qty	CODE NO
1	FRONT CASE		1	C03009-002A
2	SPEAKER	4", 8Ω25W	2	A03000-007A
3	SPEAKER NET-L		1	C03009-012A
4	SPEAKER NET-R		1	C03009-013A
5	INFO ACRYL		1	C03009-016A
6	INFO SHEET		1	C02009-002A
7	INFO.ACRYL COVER-L		1	C03009-054A
8	COIN STICKER		2	C02009-003A
9	COIN INSERT		2	C03009-043A
10	INFO.ACRYL COVER-R		1	C03009-055A
11	FACE S/W PLATE-B		1	C03009-048A
12	NAME PLATE		1	C03009-015A
13	LED COUNTER ACRYL		1	C03009-017A
14	COUNTER	DC12V	1	A14000-001A
15	TOP COUNTER BRACKET		1	M02009-016A
16	BILLBOARD SHEET		1	C02009-005A
17	WASHER BASEDBOLT	M3×8L	4	M14015-002A
18	WASHER BASEDBOLT	M4×8L-2Types	10	M14015-026A
19	WASHER BASEDBOLT	M3×8L-2Types	8	M14015-031A
20	TRUSS BOLT	M3×8L-2Types	2	M14006-041A
21	FLANGE NUT	M4	4	M15003-002A
22	EPOXY STICKER		1	C02009-008A



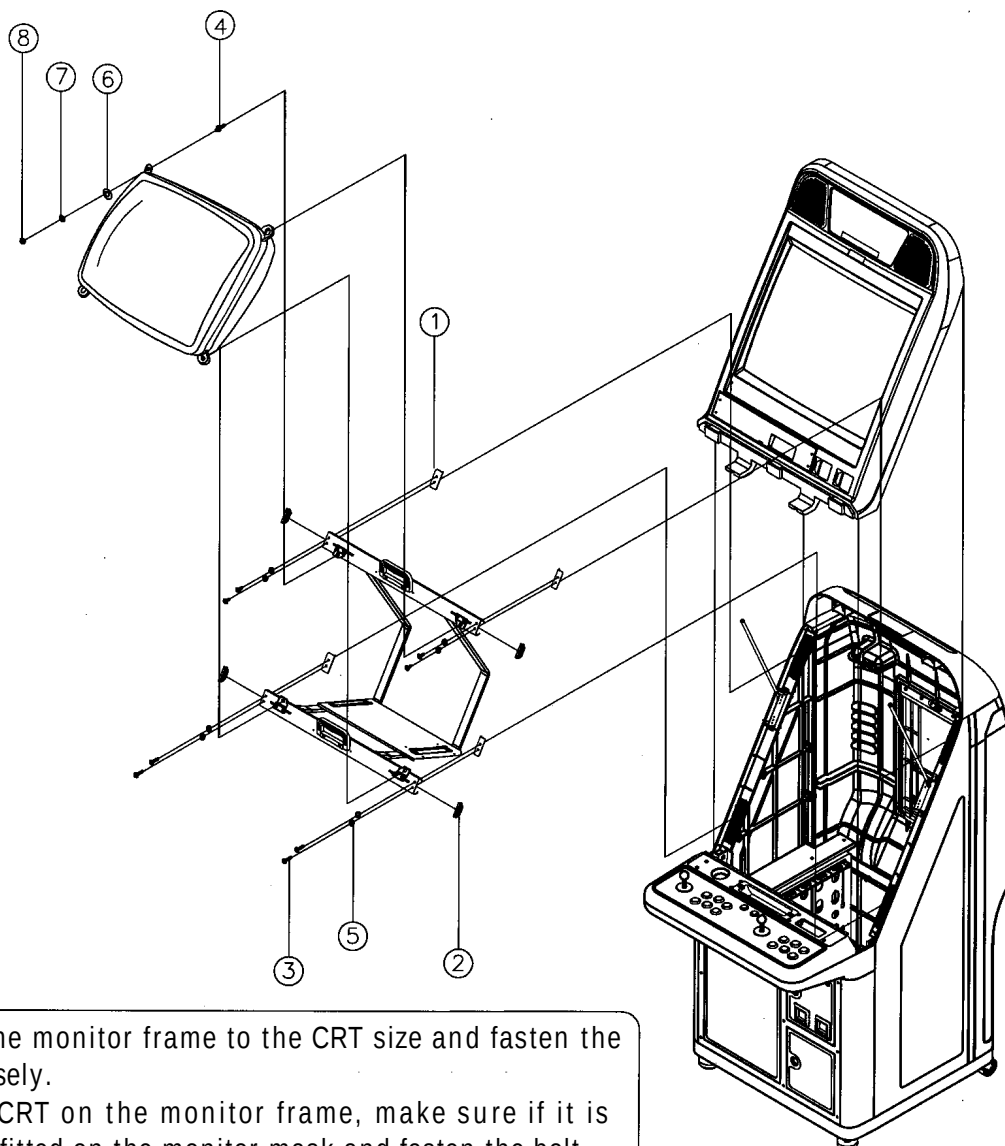
► 5-14) REAR TOP CASE ASS Y

○ They are OPTIONS to change in SERVICE S/W and KEY.



NO.	PARTS NAME	SPEC	Qty	CODE NO
1	LAMP SOCKET BRACKET		1	M02010-022A
2	TOP CASE S/W PL-A		1	C03009-018A
3	REAR TOP CASE		1	C03009-006A
4	SOCKET	AC 3 Wavelength SOCKET	1	A17001-001A
5	LAMP	3 Wavelength-220V 20W	1	A05002-001A
6	FLANGE NUT	M4	2	M15003-002A
7	WASHER BASED BOLT	M4×10L-2Types	2	M14015-030A
8	MUTE BOLT	M4×16L-2Types	2	M14001-002A

► 5-16) CRT SETTING ASS Y

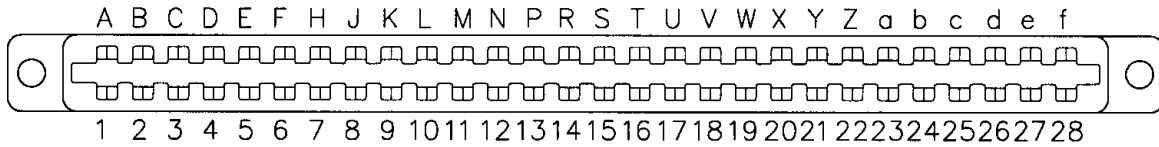


- Adjust the monitor frame to the CRT size and fasten the bolts loosely.
- Set the CRT on the monitor frame, make sure if it is properly fitted on the monitor mask and fasten the bolt.
- Adjust the CRT Support pin to regulate the height and narrow the distance between CRT and monitor mask.

NO.	PARTS NAME	SPEC	Qty	CODE NO
1	MONITOR SIDE FRAME SUPPORT		4	M02009-004A
2	CRT ADJUST GEAR		4	C03009-040A
3	PH	M5×30L	8	M14005-027A
4	CRT SUPPORT PIN	M10×52L	4	M03009-006A
5	FLAT WASHER	M5	8	M16001-003A
6	FLAT WASHER	M8	4	M16001-006A
7	SPRING WASHER	M8	4	M16002-006A
8	HEXAGON NUT	M8	4	M15001-006A



7. JAMMA CONNECTOR

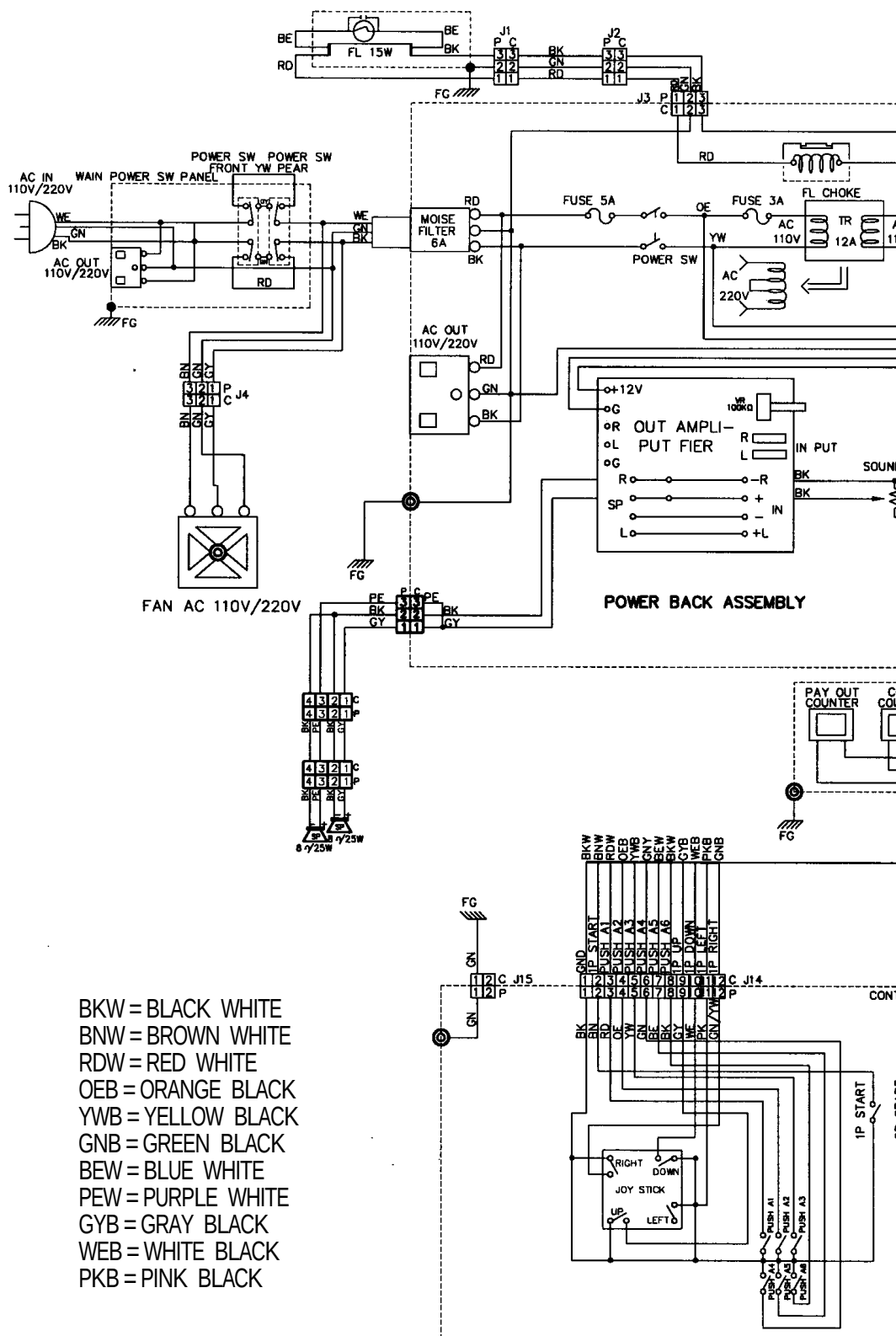


SOLDER SIDE			PARTS SIDE		
Black	GND	1	A	GND	Black
Black	GND	2	B	GND	Black
Red	+5V	3	C	+5V	Red
Red	+5V	4	D	+5V	Red
Gray	-5V	5	E	-5V	Gray
Orange	+12V	6	F	+12V	Orange
		7	H		
Orange		8	J		Yellow
		9	K		
Violet	voice" - "	10	L	voice" + "	Gray
		11	M		
	image signal-green	12	N	image signal-red	
	image synchronized signal-white	13	P	image signal-blue	
Green	SERVICE SW	14	R	image signal-GND	
		15	S	TEST SW	Indigo blue
		16	T	COIN 1	White
Orange	2 PLAY	17	U	1 PLAY	Brown
Brown	B-1(top)	18	V	A-1(top)	Gray
Gray	B-2(bottom)	19	W	A-2(bottom)	White
Pink	B-3(left)	20	X	A-3(left)	Pink
Turquoise Blue	B-4(right)	21	Y	A-4(right)	Turquoise Blue
Red	B1	22	Z	A1	Red
Orange	B2	23	a	A2	Orange
Yellow	B3	24	b	A3	Yellow
Green	B4	25	c	A4	Green
Blue	B5	26	d	A5	Blue
Black	GND	27	e	GND	Black
Black	GND	28	f	GND	Black



8. WIRING IAGRAM

8-1) TOTAL HARNESS

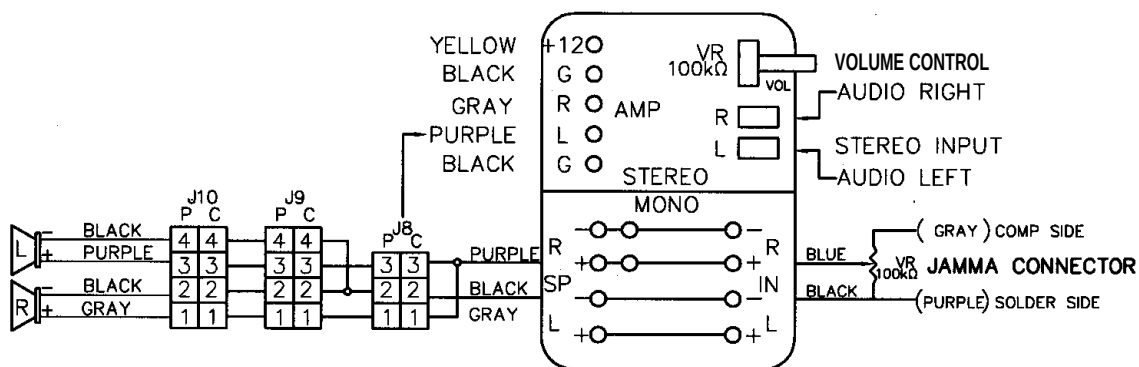


BK = BLACK
BN = BROWN
RD = RED
OE = ORANGE
YW = YELLOW
GN = GREEN
BE = BLUE
PE = PURPLE
GY = GRAY
WE = WHITE
PK = PINK

BKW = BLACK WHITE
BNW = BROWN WHITE
RDW = RED WHITE
OEB = ORANGE BLACK
YWB = YELLOW BLACK
GNB = GREEN BLACK
BEW = BLUE WHITE
PEW = PURPLE WHITE
GYB = GRAY BLACK
WEB = WHITE BLACK
PKB = PINK BLACK

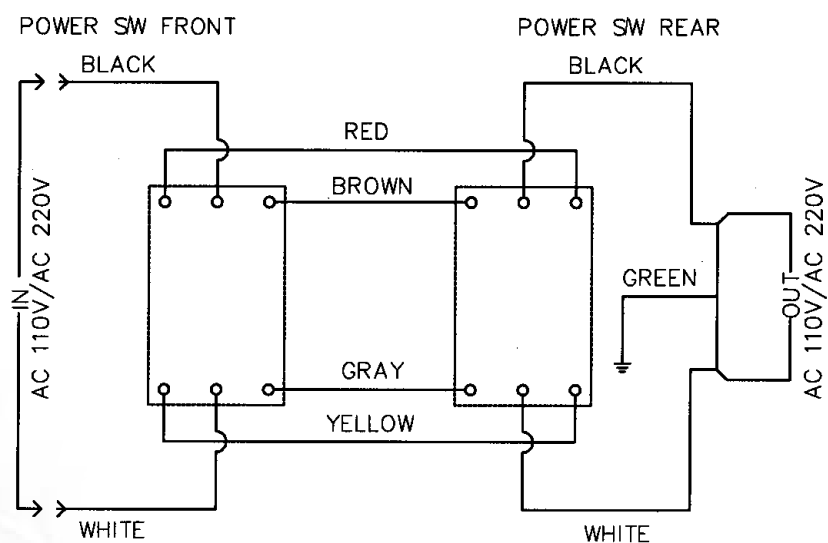


► 8-2) STEREO AMP & SPEAKER SPECIFICATION



When MAIN PCB services stereo, use input and output of 3D sound.

► 8-3) DOUBLE POWER SW HARNESS DRAWING



Insert COLOR WIRE in proper position.



