

# OWNER'S MANUAL



## IMPORTANT

- Before using this product, read this manual carefully to understand the contents herein stated.
- After reading this manual, be sure to keep it near the product or in a convenient place for easy reference when necessary.

# INTRODUCTION

This manual presents information and explanations on how to install, operate, maintain, inspect and transport parts and wiring for, "HOUSE OF THE DEAD: SCARLET DAWN."

This manual is intended for the owners, personnel and managers in charge of operation of the product. Operate the product after carefully reading and sufficiently understanding the instructions. After reading this manual, be sure to keep it near the product or in a convenient place for easy reference when necessary.

In the event that you cannot carry out the work in accordance with the instructions provided in this manual, or, if you cannot achieve normal functioning of the product, contact the office listed in this manual or the point-of-purchase for this product.

Do not touch the internal system unless you are a technician.




*Note: Descriptions herein contained may be subject to improvement changes without notice.*

## DESCRIPTION OF WARNING DISPLAYS






To ensure the safe operation of this product, be sure to read the following before usage.

After carefully reading and sufficiently understanding the warning displays and cautions, handle the product appropriately.


Depending on the degree of severity, the terms of DANGER, WARNING, CAUTION, etc., are used. Be sure to understand the contents of the warning displays before reading the text.

 <b>DANGER</b>	Indicates that mishandling the product by disregarding this pictograph will cause severe injury or death.
 <b>WARNING</b>	Indicates that mishandling the product by disregarding this warning will cause a potentially hazardous situation which can result in death or serious injury.
 <b>CAUTION</b>	Indicates that mishandling the product by disregarding this caution will cause a slightly hazardous situation which can result in personal injury and/or material damage.

For the safe usage of the product, the following pictographs are used:

	"Caution: Electric shock" Indicates a risk of electric shock under specific conditions.
	"Caution: High temperature" Indicates a risk of injury due to high temperature under specific conditions.
	"Caution: Risk of trapping hands/fingers" Indicates a risk of injury caused by trapping hands or fingers in doors, etc.
	"Forbidden" Indicates something you must not do when handling the product.
	Indicates a "protective earth terminal." Before operating the equipment, be sure to connect it to the ground.

Use of this product is unlikely to cause physical injuries or damage to property. However, points that require special attention are indicated by bold text, the word "IMPORTANT" and the symbol below.

 <b>STOP IMPORTANT</b>	Indicates an important detail when installing, operating, or maintaining/inspecting the product.
---	--

## Definition of 'Site Maintenance Personnel or Other Qualified Professionals'

### **WARNING**

**Procedures not described in this manual or marked as 'to be carried out by site maintenance personnel or other qualified professionals' should not be carried out by personnel without the required knowledge and technical expertise. Work carried out by unqualified persons may cause serious accidents, including electrocution.**

**If there is no one with the required knowledge and technical expertise available, for the sake of safety, commission the work to the office listed in this manual or the point-of-purchase for this product.**

Parts replacement, maintenance inspections and troubleshooting should be carried out by site maintenance personnel or other qualified professionals. This manual includes directions for potentially dangerous procedures which should only be carried out by professionals with the appropriate specialized knowledge.

The site maintenance personnel or other qualified professionals mentioned in this manual are defined as follows:

#### **Site maintenance personnel:**

Individuals with experience in maintaining amusement equipment, vending machines, etc., working under the supervision of the owner/operator of this product to maintain machines within amusement facilities or similar premises by carrying out everyday procedures such as assembly, maintenance inspections, and replacement of units/expendable parts.

#### **Activities to be carried out by site maintenance personnel:**

Amusement equipment/vending machine assembly, maintenance inspection and replacement of units/expendable parts.

#### **Other qualified professionals:**

Persons employed by amusement equipment manufacturers, or involved in design, production, testing or maintenance of amusement equipment. The individual should have either graduated from technical school or hold similar qualifications in electrical/electronics/mechanical engineering.

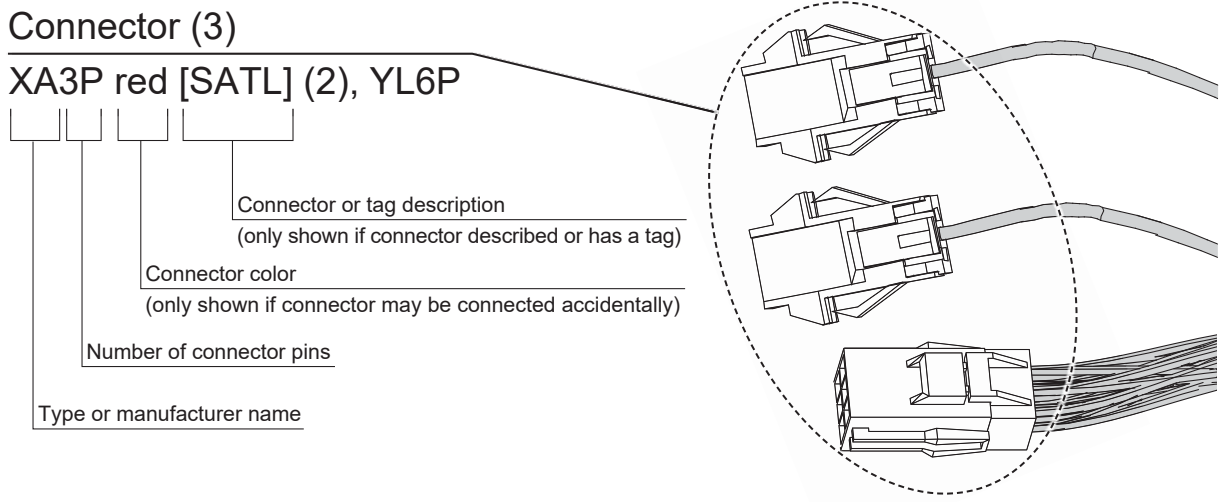
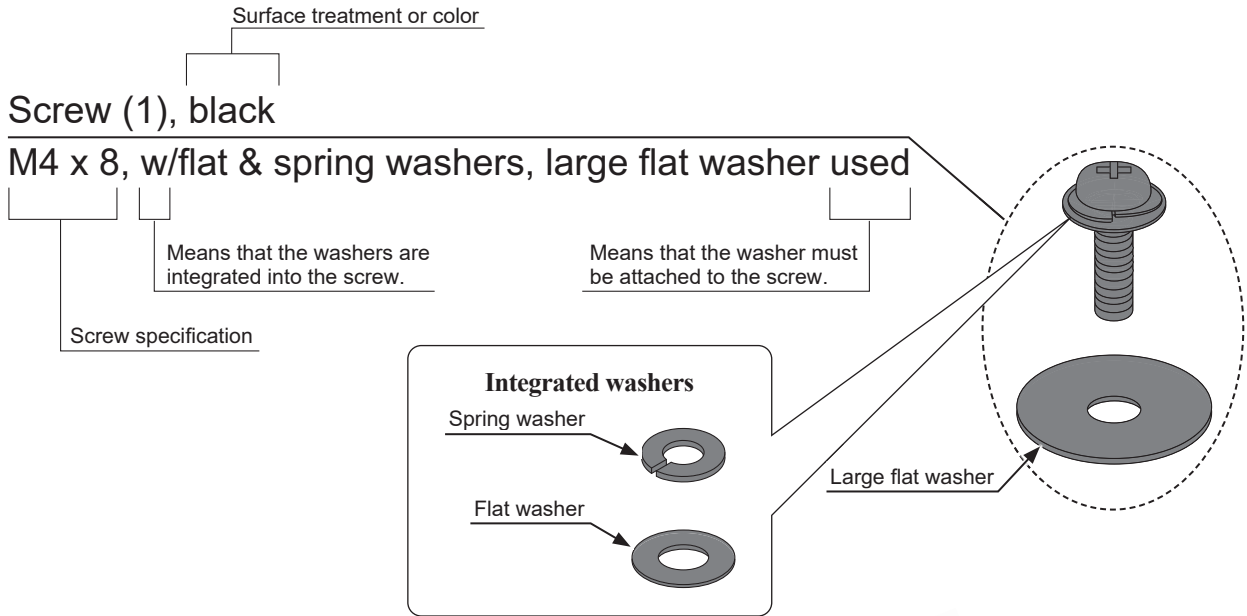
#### **Activities to be carried out by other qualified professionals:**

Amusement equipment/vending machine assembly, repair/adjustment of electrical/electronic/mechanical parts.

# NOTATION USED IN THIS MANUAL

## Notation in diagrams

Information regarding fasteners (screws, nuts, washers, etc.) and connectors is shown in the diagrams in this manual as follows.



# ABOUT TOOLS

Refer to the chart below to decide which tools to use for fixing fasteners (screws, nuts).

**Matching chart of fasteners and tools**

Fasteners		Tools	
Truss head screw (M3)		Phillips screwdriver #1	
Truss head screw (M4 , M5)		Phillips screwdriver #2	
Flat head screw (M3-M5)			
Screw (M3-M5)			
Tamperproof screw		Tamperproof wrench	
Hexagon socket head screw		Hexagonal wrench	
Slim head hex socket bolt			
Extra slim head hex socket bolt			
Hex socket button head screw			
Set screw			
Hexagon head bolt		Socket wrench (Nut driver)	
Hexagon head nut			
Cap nut			
Flange nut			

*Note: Refer to the chart on the next page to decide which hexagonal wrench or nut driver to use for each size of fastener.*

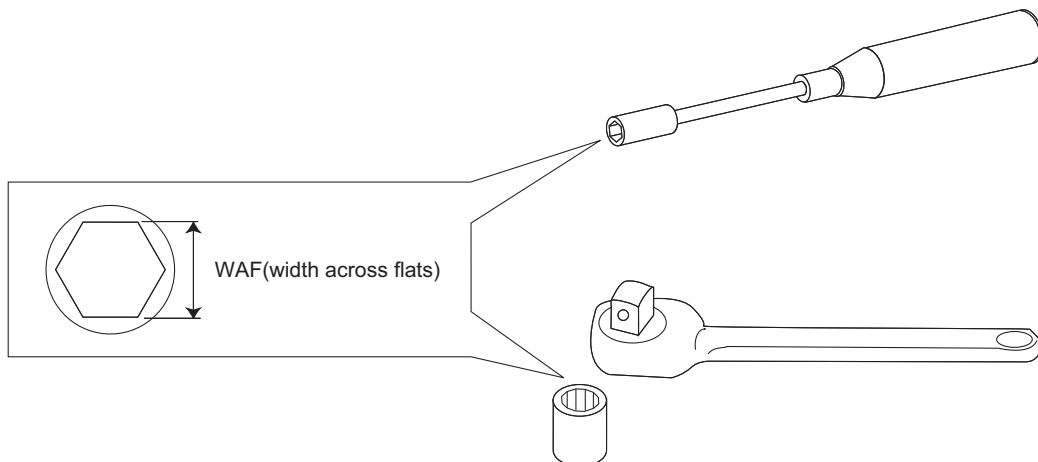
**Matching chart of hexagonal wrench**

Standard	WAF (width across flats) of tools				
	Hexagon head screw	Slim head hex socket bolt	Extra slim head hex socket bolt	Hex socket button head screw	Set screw
M3	2.5 mm (0.0984 in)	2 mm (0.0787 in)	1.5 mm (0.0591 in)	2 mm (0.0787 in)	1.5 mm (0.0591 in)
M4	3 mm (0.1181 in)	2.5 mm (0.0984 in)	2 mm (0.0787 in)	2.5 mm (0.0984 in)	2 mm (0.0787 in)
M5	4 mm (0.1575 in)	3 mm (0.1181 in)	3 mm (0.1181 in)	3 mm (0.1181 in)	2.5 mm (0.0984 in)
M6	5 mm (0.1969 in)	4 mm (0.1575 in)	3 mm (0.1181 in)	4 mm (0.1575 in)	3 mm (0.1181 in)
M8	6 mm (0.2362 in)	5 mm (0.1969 in)	4 mm (0.1575 in)	5 mm (0.1969 in)	4 mm (0.1575 in)



**Matching chart of socket wrench (nut driver)**

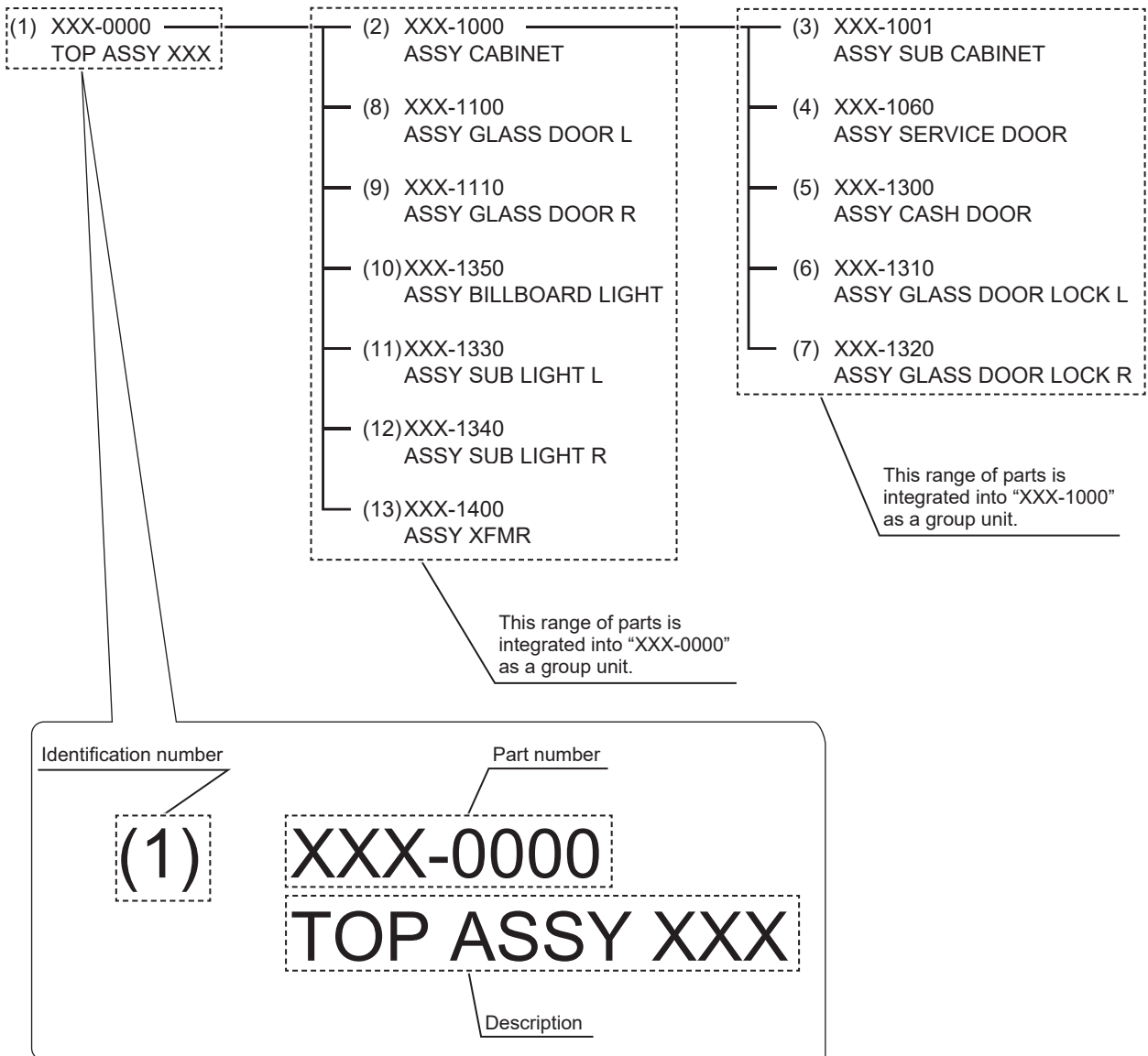
Standard	WAF (width across flats) of tools			
	Hexagon head bolt	Hexagon head nut	Cap nut	Flange nut
M3	5.5 mm (0.2165 in)			
M4	7 mm (0.2756 in)			
M5	8 mm (0.3150 in)			
M6	10 mm (0.3937 in)			
M8	13 mm (0.5118 in)			12 mm (0.4724 in)
M10	17 mm (0.6693 in)		-	
M12	19 mm (0.7480 in)		-	
M16	24 mm (0.9449 in)		-	



# HOW TO READ PARTS LIST

## How to read organization chart

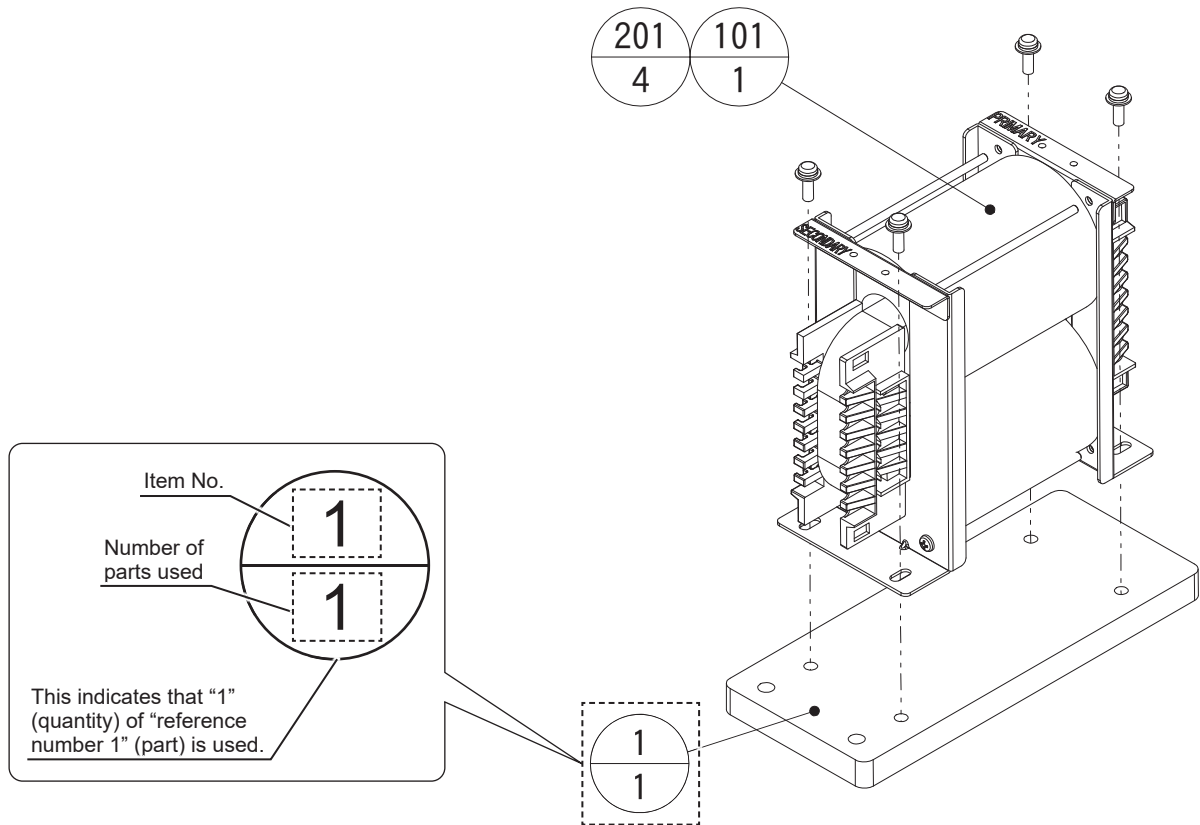
The organization chart is a tree diagram that shows the relationship between each unit (composed of multiple parts).





## How to read unit assembly diagram

### (13) XXX-1400 ASSY XFMR

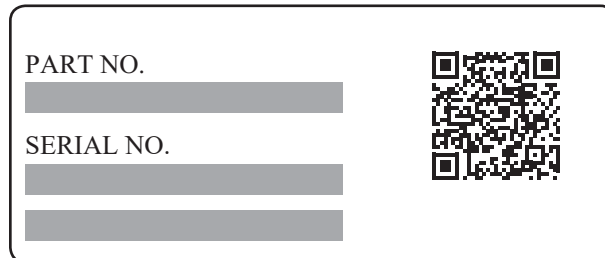


Item No.	Part No.	Description	Note
1	XXX-1401	WOODEN BASE XFMR	
101	560-5523-V	XFMR 100-120V 100V7.5A WB V	
201	000-P00516-W	M SCR PH W/FS M5x16	

## ABOUT THE KEY CHIP

### Key chip serial number

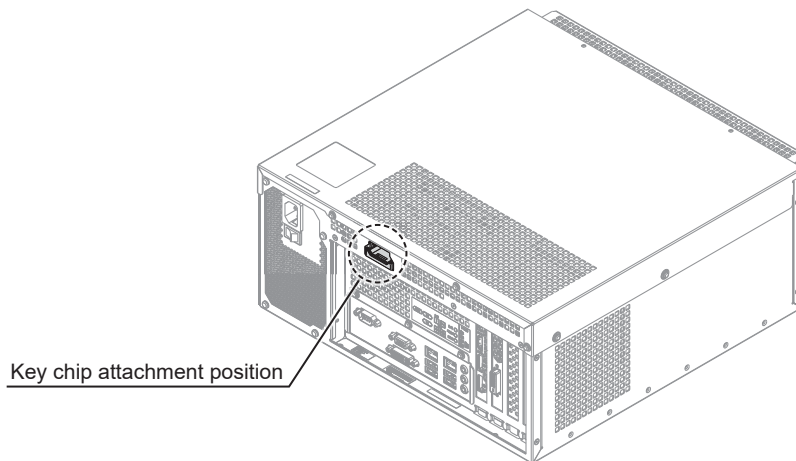
The key chip has a serial number written on it that is necessary when making inquiries about ALL.Net.



Key chip sticker

### Key chip attachment position

The key chip attachment position is as shown in the diagram below.



ALLS UX with Sound Board

# TABLE OF CONTENTS

<b>1</b>	<b>INTRODUCTION</b>	<b>i</b>
2	DESCRIPTION OF WARNING DISPLAYS .....	ii
3	Definition of 'Site Maintenance Personnel or Other Qualified Professionals' .....	iii
4	NOTATION USED IN THIS MANUAL .....	iv
5	ABOUT TOOLS .....	v
6	HOW TO READ PARTS LIST .....	vii
7	ABOUT THE KEY CHIP .....	ix
8	<b>TABLE OF CONTENTS</b>	<b>x</b>
9	<b>1 PRODUCT SPECIFICATIONS</b>	<b>1</b>
10	1-1 SPECIFICATIONS.....	1
11	1-2 PART DESCRIPTIONS.....	3
12	1-3 THE SERIAL NO. AND THE ELECTRICAL SPECIFICATIONS DISPLAYS.....	6
13	<b>2 HANDLING PRECAUTIONS</b>	<b>7</b>
14	<b>3 PRECAUTIONS REGARDING INSTALLATION LOCATION</b>	<b>14</b>
15	3-1 LIMITATIONS OF USAGE .....	14
16	3-2 OPERATION AREA.....	15
17	<b>4 PRECAUTIONS REGARDING PRODUCT OPERATION</b>	<b>17</b>
18	4-1 BEFORE OPERATION.....	17
19	4-2 PAYING ATTENTION TO CUSTOMERS.....	19
20	<b>5 ACCESSORIES</b>	<b>21</b>
	<b>6 ASSEMBLY AND INSTALLATION</b>	<b>23</b>
	6-1 ATTACHING THE CONTROL CABINET .....	25
	6-2 ATTACHING OF THE STEP .....	29
	6-3 ATTACHING THE SEAT CABINET.....	32
	6-4 ATTACHING OF THE JOINT FRAME L / R.....	36
	6-5 ASSEMBLING OF THE ROOF.....	40
	6-6 ATTACHING OF THE ROOF .....	43
	6-7 ATTACHING THE BILLBOARD .....	46
	6-8 ATTACHING THE POP DISPLAY.....	49
	6-9 ATTACHING OF THE CURTAIN.....	50
	6-10 INSTALLING THE CABINET.....	53
	6-11 CONNECTING THE POWER CABLE AND EARTH.....	54

<b>7</b>	<b>SET UP</b>	<b>57</b>	
7-1	SET UP AFTER INSTALLATION .....	57	1
7-1-1	Software settings .....	57	2
7-1-2	Assembling check .....	58	3
7-1-3	Denomination sheet (Play fee display sheet) .....	59	4
7-2	DAILY SETUP .....	60	5
<b>8</b>	<b>PRECAUTIONS WHEN MOVING THE MACHINE</b>	<b>61</b>	6
<b>9</b>	<b>PERIODIC INSPECTION</b>	<b>63</b>	7
9-1	CLEANING THE CABINET SURFACE .....	64	8
<b>10</b>	<b>TROUBLESHOOTING</b>	<b>65</b>	9
<b>11</b>	<b>MONITOR CABINET</b>	<b>69</b>	10
11-1	LCD .....	69	11
11-1-1	Cleaning the monitor mask .....	70	12
11-1-2	Replacing the LCD .....	71	13
11-2	REPLACING THE SENSOR LED BOARD .....	74	14
11-2-1	Common tasks .....	74	15
11-2-2	Type A .....	75	16
11-2-3	Type B .....	77	17
11-2-4	Type C .....	80	18
<b>12</b>	<b>CONTROL CABINET</b>	<b>82</b>	19
12-1	COIN SELECTOR .....	82	20
12-1-1	Coin insertion test .....	83	
12-1-2	Removing the Coin selector .....	84	
12-1-3	Cleaning the Coin selector .....	85	
12-1-4	Removing jammed coins .....	86	
12-2	REMOVING THE CONTROLLER .....	87	
12-3	REPLACING THE CONTROLLER VIBRATOR .....	90	
12-4	REPLACING THE MICROSWITCH .....	93	
12-5	REPLACING THE SENSOR UNIT .....	95	
12-6	REPLACING THE CONTROLLER CABLE .....	96	
12-7	REPLACING THE CONTROL PANEL BUTTON .....	98	
<b>13</b>	<b>SEAT CABINET</b>	<b>100</b>	
13-1	REPLACING THE SEAT VIBRATOR .....	100	
13-2	REPLACING THE STEP VIBRATOR .....	103	

	<b>14</b>	<b>REPLACING THE REAR COVER BUTTON SWITCH</b>	<b>106</b>
	<b>15</b>	<b>REPLACING THE AIR GIMMICK SPEAKER</b>	<b>109</b>
	<b>16</b>	<b>ALLS UX W S/B (ALLS UX WITH SOUND BOARD)</b>	<b>112</b>
	16-1	REMOVING THE ALLS UX W S/B.....	113
	16-2	CLEANING THE ALLS UX W S/B.....	115
	16-3	REPLACING THE ALLS UX W S/B.....	117
	<b>17</b>	<b>SOFTWARE INSTALLATION</b>	<b>119</b>
	<b>18</b>	<b>DESIGN RELATED PARTS</b>	<b>121</b>
	<b>19</b>	<b>PARTS LIST</b>	<b>123</b>
	<b>20</b>	<b>WIRING DIAGRAM</b>	<b>127</b>

**SEGA AMUSEMENTS OFFICES**

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

# 1 PRODUCT SPECIFICATIONS

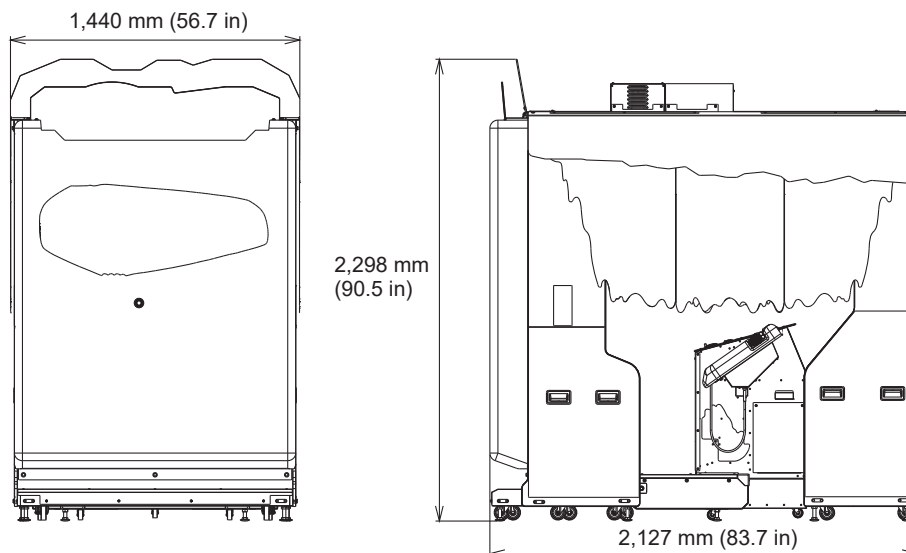
## 1-1 SPECIFICATIONS

### Product Specifications

<b>External Dimensions</b>	1,440 mm (56.7 in) [Width] x2,127 mm (83.7 in) [Depth] x2,298 mm (90.5 in) [Height] Note:Raised 5 mm from the floor on Adjusters	
<b>Weight</b>	510 kg (1124.4 lb)	
<b>Power, Maximum Current</b>	657W, 5.7A (AC 120V 60Hz Area) 664W, 3.2A (AC 220V 50Hz Area) 662W, 3.1A (AC 220V 60Hz Area) 661W, 3.1A (AC 230V 50Hz Area) 664W, 2.9A (AC 240V 50Hz Area)	
<b>Power, Current</b>	Max.	667W, 6.3A(AC 110V 60Hz; Taiwan)
	Min.	358W, 3.6A(AC 110V 60Hz; Taiwan)
<b>Operating Environment</b>	Temperature: 5°C to 35°C (41°F to 95°F), relative humidity: 35% RH to 70% RH (without condensation)	

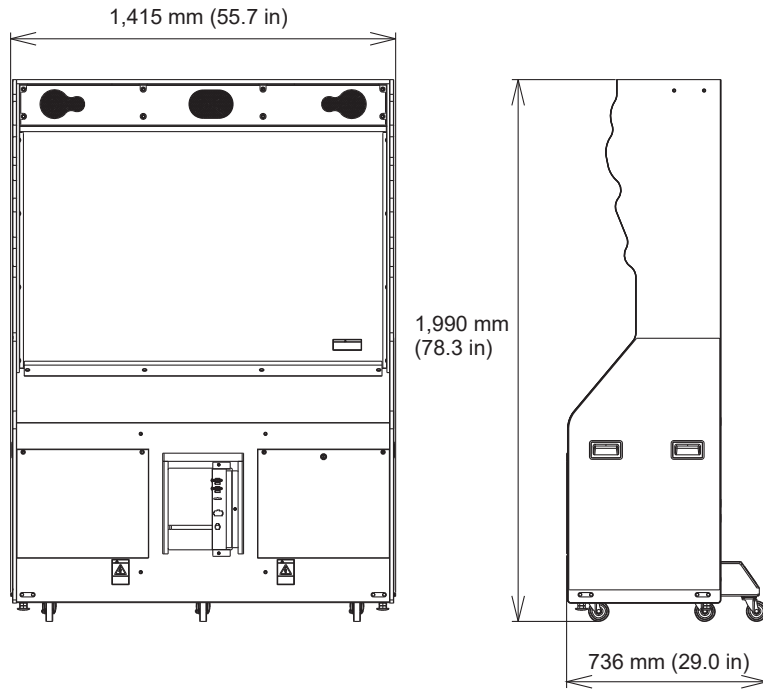
### Specifications of Units Before Installation

Item	Width	Depth	Height	WEIGHT
<b>Monitor cabinet</b>	1,415 mm (55.7 in)	736 mm (29.0 in)	1,990 mm (78.3 in)	174 kg (383.6 lb)
<b>Control cabinet</b>	1,150 mm (45.3 in)	559 mm (22.0 in)	977 mm (38.5 in)	62 kg (136.7 lb)
<b>Seat cabinet</b>	1,415 mm (55.7 in)	747 mm (29.4 in)	1,990 mm (78.3 in)	166 kg (366.0 lb)
<b>Roof</b>	1,200 mm (47.2 in)	1,780 mm (70.1 in)	200 mm (7.9 in)	40 kg (88.2 lb)
<b>Step</b>	1,230 mm (48.4 in)	743 mm (29.3 in)	174 mm (6.9 in)	22 kg (48.5 lb)

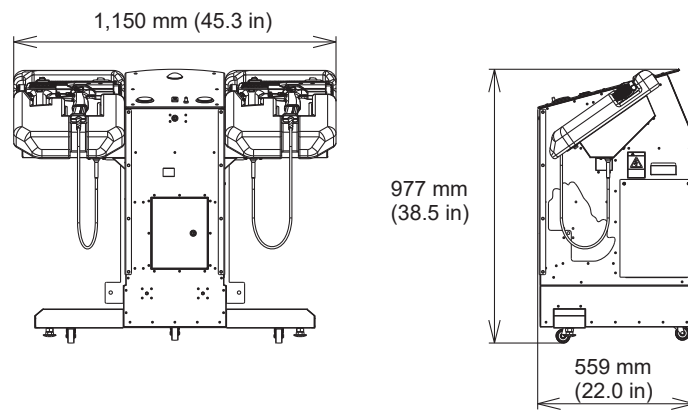


External Dimensions (After Installation)

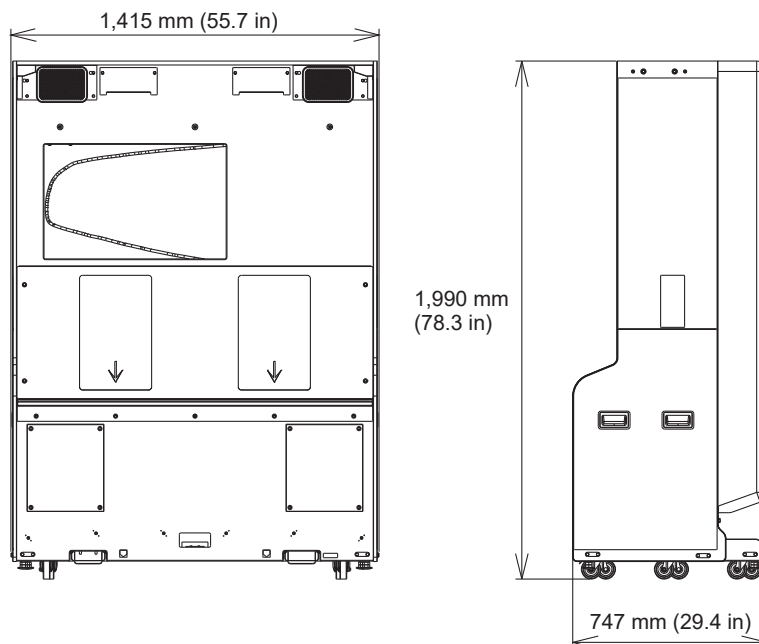
1



External Dimensions(Monitor cabinet / Before installation)

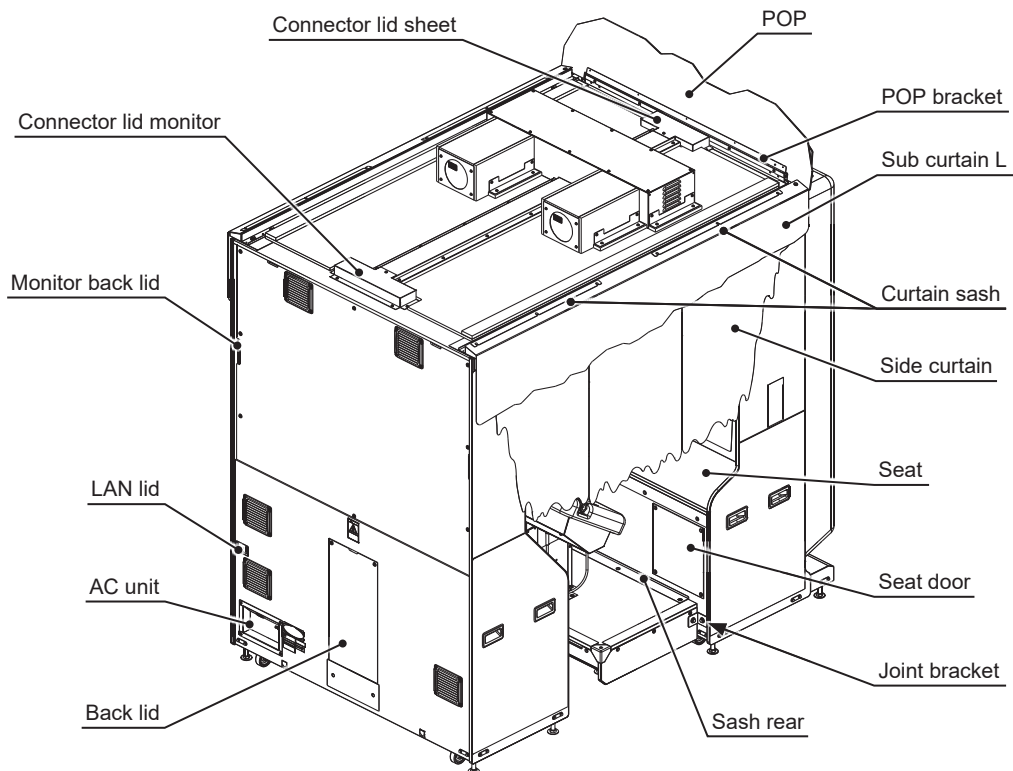
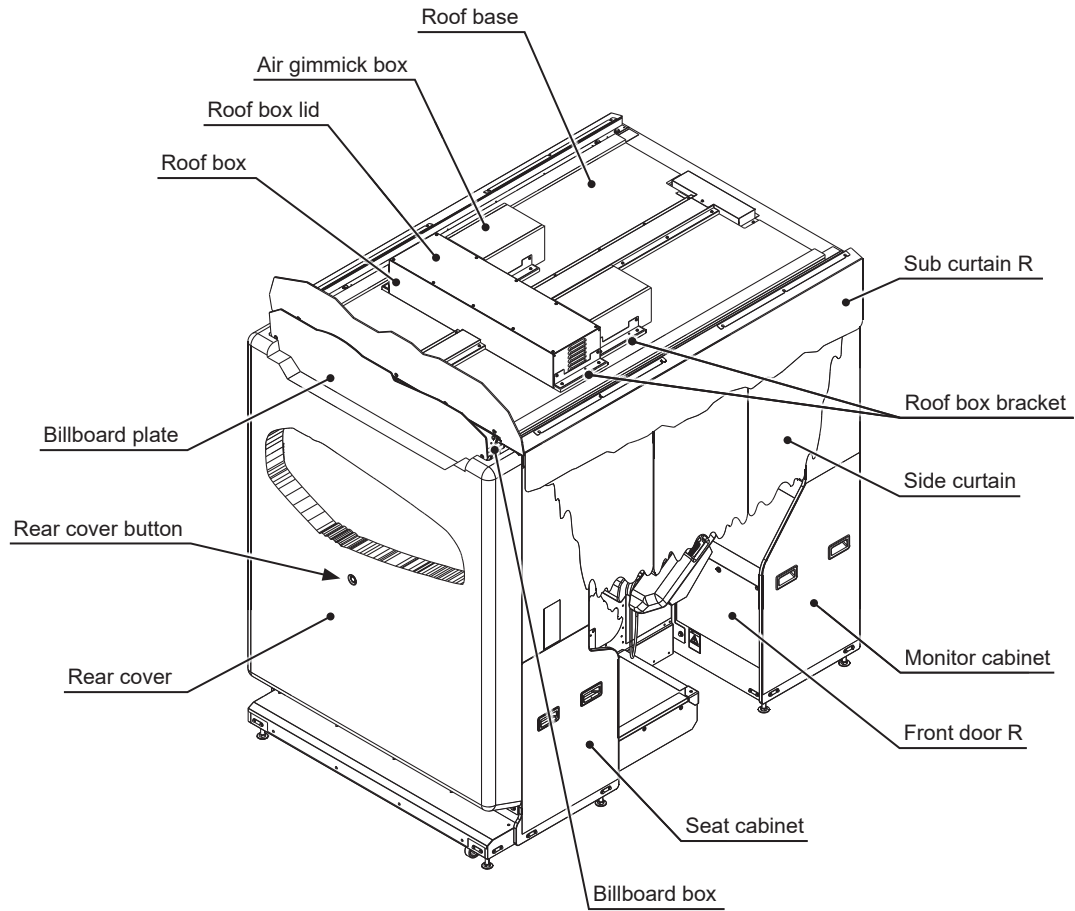


External Dimensions(Control cabinet / Before installation)



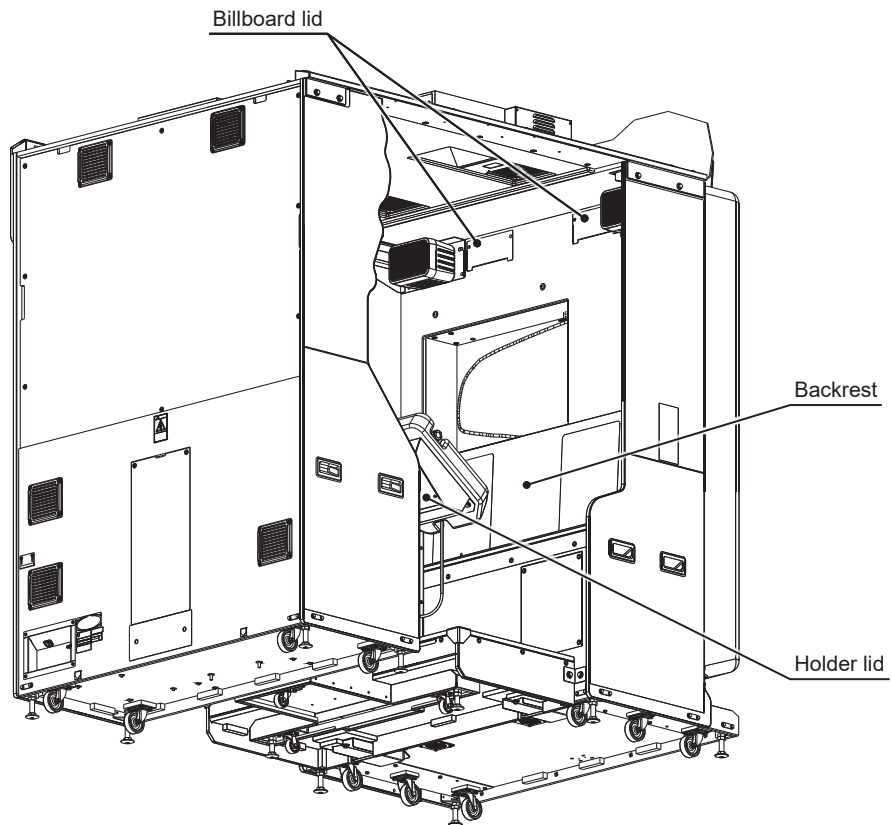
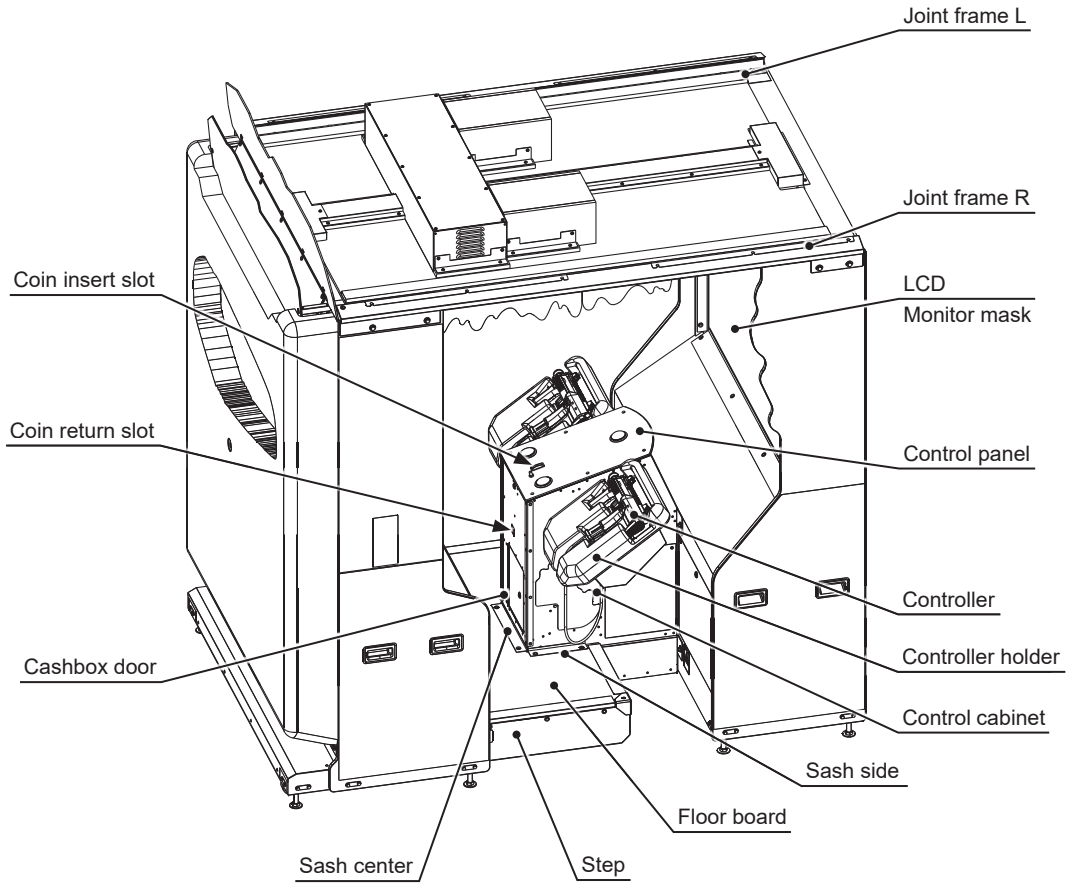
External Dimensions (Seat CABINET / Before installation)

**1-2 PART DESCRIPTIONS**



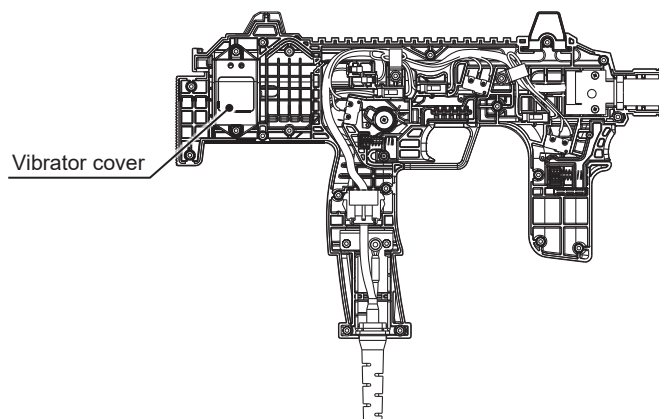
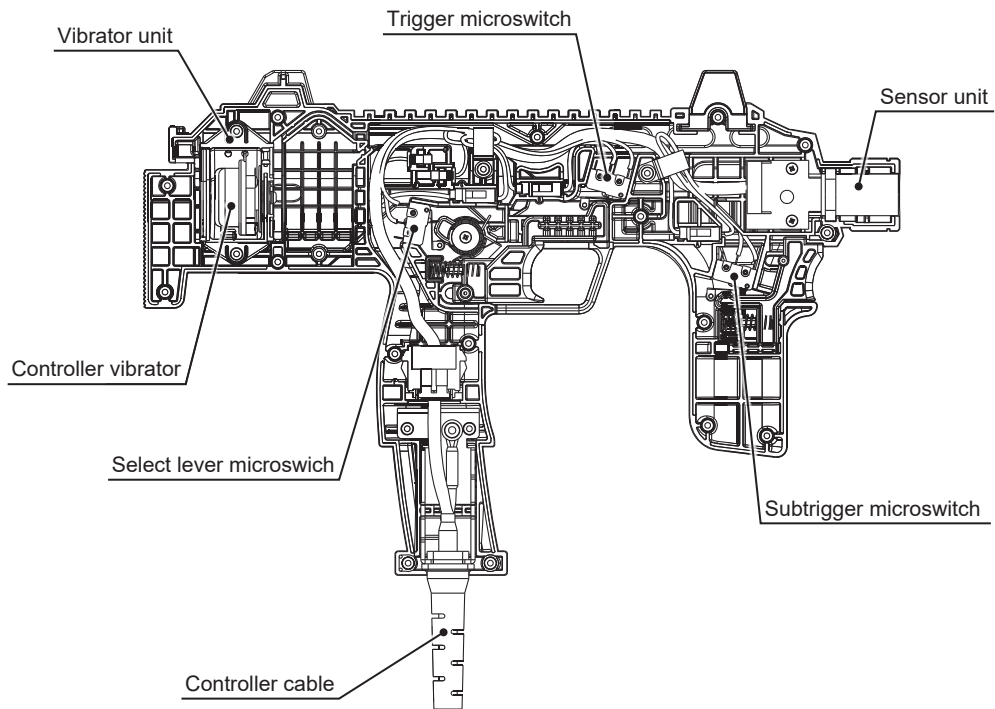
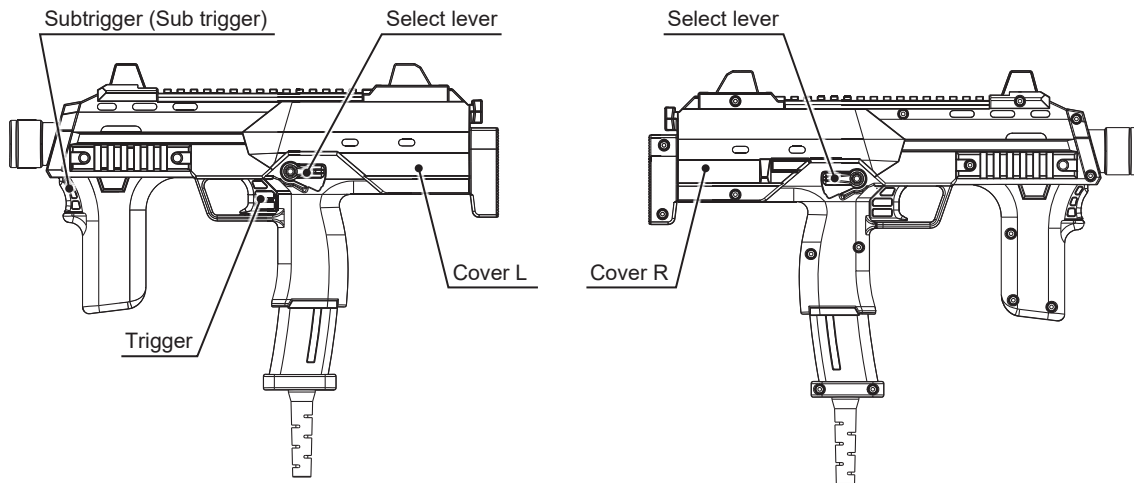


1



**Controller**

1



**1-3 THE SERIAL NO. AND THE ELECTRICAL SPECIFICATIONS DISPLAYS**

1

The product manufacturing number (serial number) and electrical specifications for this product are listed on the product. The serial number indicates the product registration. Identical machine types may have different parts depending on the date of production. When making inquiries, be sure to note the serial number and model name before contacting the office listed in this manual.

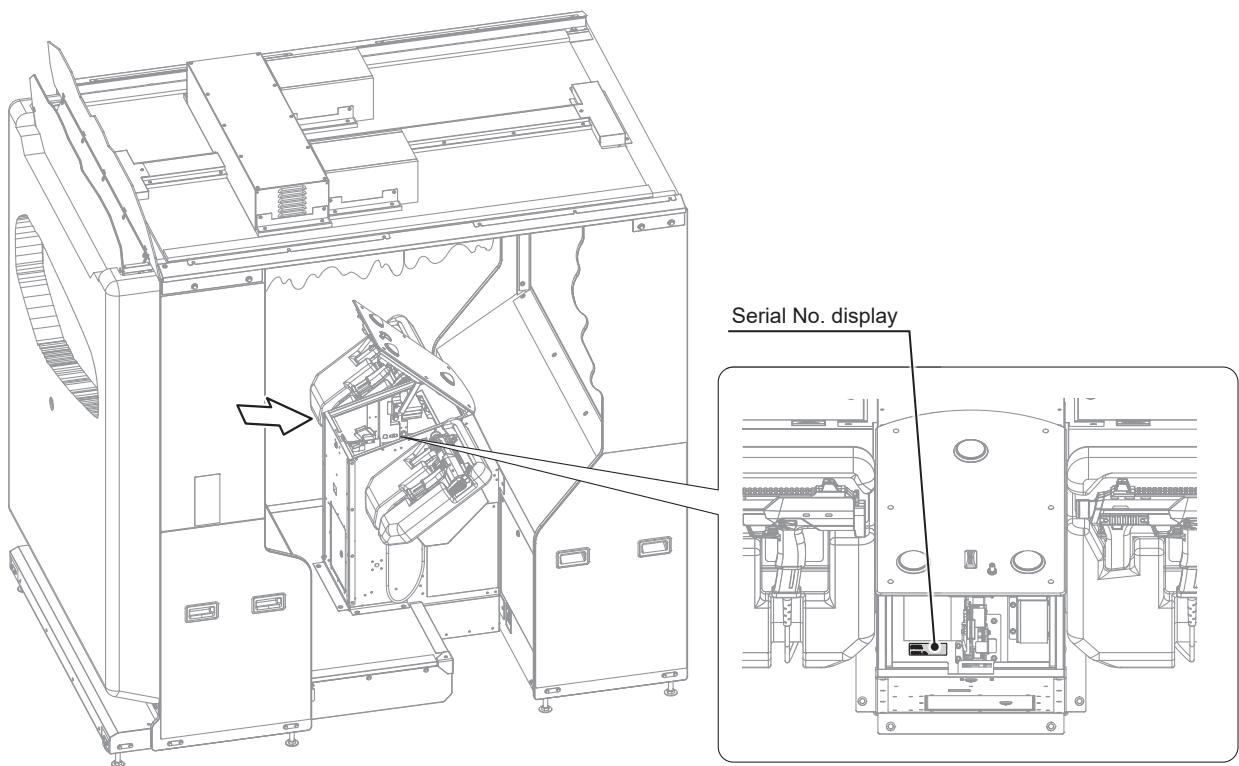
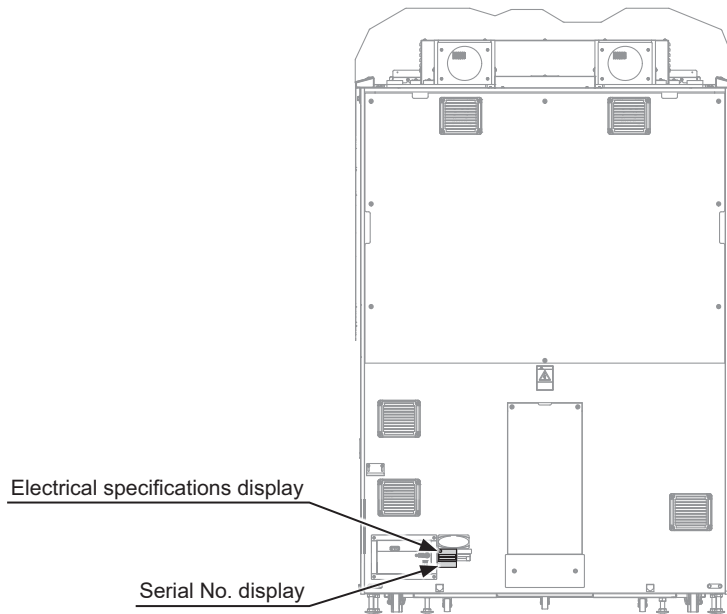


Image from the direction of the arrow

## 2 HANDLING PRECAUTIONS

### WARNING

- Proceed with checks and tasks as indicated in these instructions. If instructions are not followed, or if tasks and/or checks are neglected, an electric shock or other very serious accident, including a fatal accident, can occur. Also, customers could be injured while operating the product.
- Before starting work on the machine, be sure to turn the power off. Working while the power is on can cause an electric shock or short circuit. Work that is required to be performed with the machine power on will be clearly stated in this manual.
- To avoid an electric shock or short circuit, do not plug in or unplug quickly.
- To avoid an electric shock, do not plug in or unplug with a wet hand.
- Do not leave power cables, earth ground cables, or network cables exposed in areas of heavy foot traffic. Doing so may cause them to become damaged, possibly resulting in an electric shock, short circuit or fire. When laying wiring across the floor, always use safety covers to protect the cables.
- To avoid causing a fire or an electric shock, do not put things on or damage the power cables.
- When or after installing the product, do not unnecessarily pull the power cable. If damaged, the power cable can cause an electric shock, short circuit or fire.
- If the power cable is damaged, ask for a replacement through the office listed in this manual or the point-of-purchase for this product. Using a damaged cable can cause an electric shock, short circuit or fire.
- Be sure to perform grounding appropriately. Inappropriate grounding can cause an electric shock.
- When inserting or removing a connector, be sure to hold it by its main part. If you hold it by anything else while doing so, the connections between cable and connector terminal fixtures could be damaged; and there could be an electrocution, short circuit or fire. There could also be poor connectivity.
- Be careful with the direction when connecting connectors. The connector must be connected in the proper direction. If it is connected in the wrong direction or indiscriminately at an incline so that a load is applied, the connector or its terminal pins could break, causing an electric shock, short circuit or fire.
- Be careful not to damage the cables. Damaged cables may cause an electric shock, short circuit or fire.
- Do not twist or pull the wiring. Damaged wiring may cause breakdowns or fires.
- Do not touch undesignated places. Touching undesignated places can cause an electric shock, short circuit or fire.
- Be careful not to lose any fasteners (screws, nuts, or washers) during work. A metallic fastener dropped on an electrified section may cause an electric shock, short circuit or fire.

 **WARNING**

- Do not use fasteners (screws, nuts, or washers) that are warped or broken. Replace these fasteners with the fasteners designated in this manual. Also, only use fasteners designated in this manual if any fasteners are lost. Using fasteners other than those designated may result in accidents such as components falling off.
- When handling heavy objects, pay attention to the following as there could be accidents involving falls or drops, and someone could get caught under the object.
  - Have the proper number of personnel on hand for the type of the work to be done. Assume that a worker is only able to support items weighing up to about 15 kg.
  - Be careful not to slip or fall.
- Specification changes, removal of equipment, conversion and/or addition, not designated by SEGA are not permitted. Failure to observe this may cause an electric shock or fire. Noncompliance with this instruction can have a bad influence upon physical conditions of the players or the onlookers, or result in injury during play. SEGA shall not be held responsible for damage, compensation for damage to a third party, caused by specification changes not designated by SEGA. Performing work or parts replacements not described in this manual could result in accidents. If you need to perform any work not described in this manual, request details and instructions from the office listed in this manual or the point-of-purchase for this product.
- Be sure to perform the periodic maintenance inspections listed in this manual.

 **CAUTION**

- Wear appropriate work clothing so that work can be performed safely. Use gloves and safety shoes to prevent accidents or injuries.
- When opening/closing or attaching/removing doors or other parts, be careful that your hands or fingers do not get caught in anything.
- Due to the tight working space inside the cabinet, there is a risk of injury from sharp corners or protruding parts. Be sure to check the surrounding area before carrying out any work.
- Be careful in handling plastic parts. If such parts are exposed to excessive loads or impact, they might become damaged, resulting in fragments or cracks that could cause accidental injury.
- When fastening plastic parts, be careful not to tighten screws and nuts excessively. Failure to observe this may damage the parts, resulting in fragments or cracks that could cause accidental injury.

**STOP** IMPORTANT

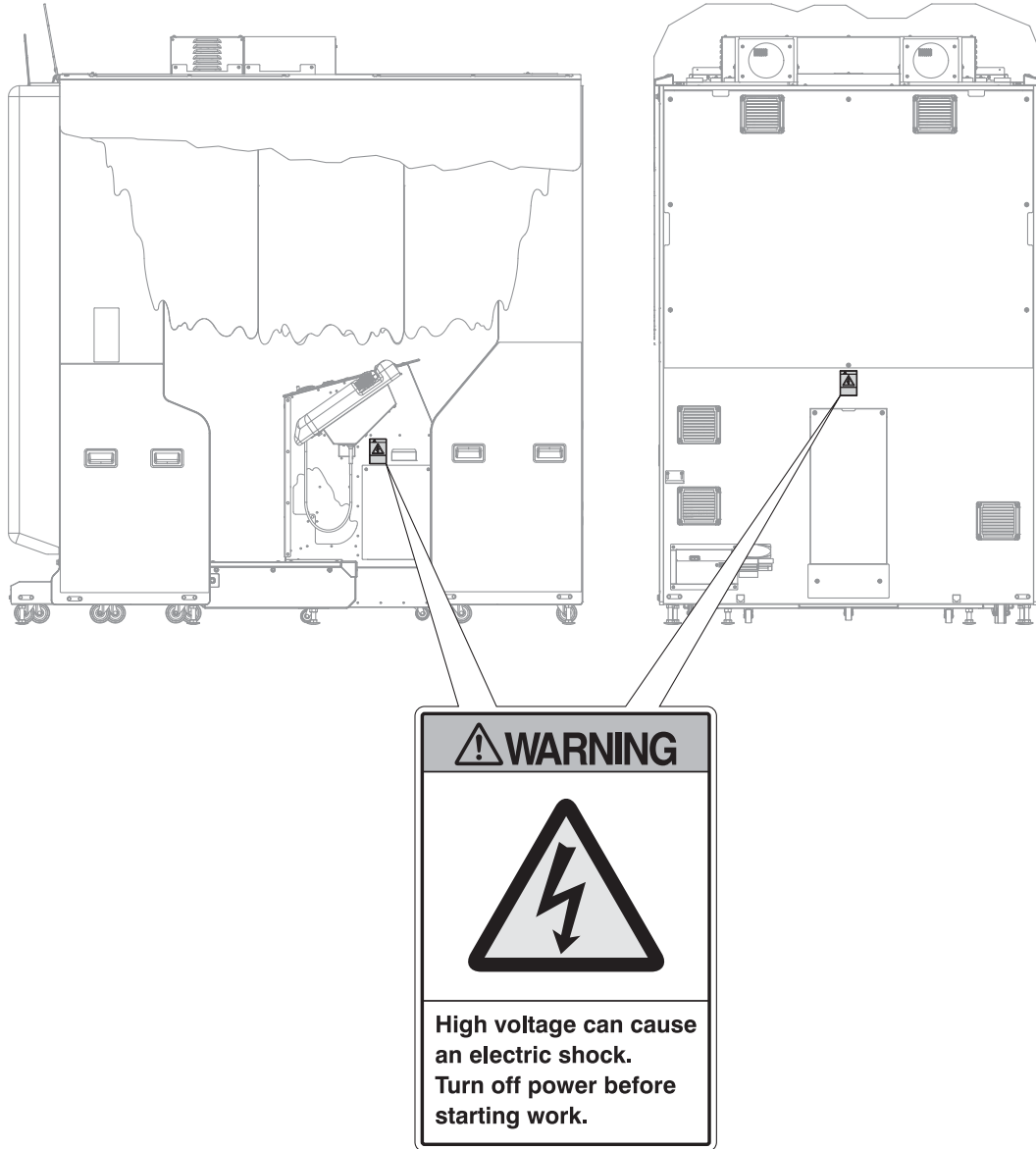
- When performing periodic maintenance or parts replacement, be sure to have the required tools and equipment on hand and consult the applicable section of this manual before carrying out work.
- Do not perform circuit inspections on the IC board. Failure to use the proper measuring device or apparatus may result in damage to the board.
- Static electricity from your body may damage some electronics devices on the IC board. Before handling the IC board, touch a grounded metallic surface so that the static electricity can be discharged.
- Some parts are not designed and manufactured specifically for this game machine. The manufacturers may discontinue, or change the specifications of such general-purpose parts. If this is the case, SEGA cannot repair or replace a failed game machine regardless of whether or not a warranty period has expired.
- Do not repeatedly turn the power ON/OFF in a short period of time. Doing so may result in breakdown or parts damage.

## Concerning warning displays

The cabinet has warning displays intended for accident prevention for customers, and for avoiding hazardous situations relating to maintenance work.

2

When a warning display becomes unreadable due to dirt or damage, be sure to replace it for a new, replacement warning display.



440-WS0002YEG

**⚠ CAUTION**

Adults and children that are prone to seizures, loss of consciousness, etc. due to flashing lights or television games, should exercise caution when playing this game.

If you feel sick or dizzy while playing this game, stop immediately and take a break.

Do not use the controller except for gameplay.

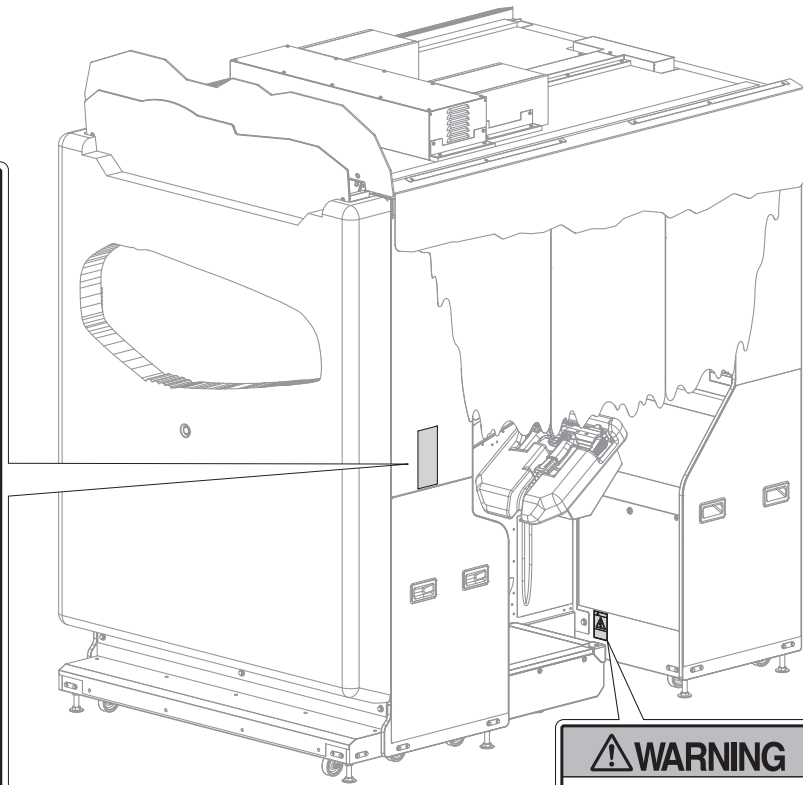
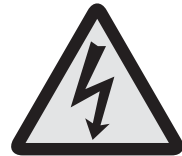
Do not hit the screen or cabinet with the controller as it could cause injury.

For safety reasons, the following individuals are not allowed to play the game.

People who are,  
 - drinking alcohol  
 - pregnant  
 - injured or sick  
 - having troubles with hearts  
 - not feeling well

Do not allow more than two players to be in at the same time.

440-CS0419-EG

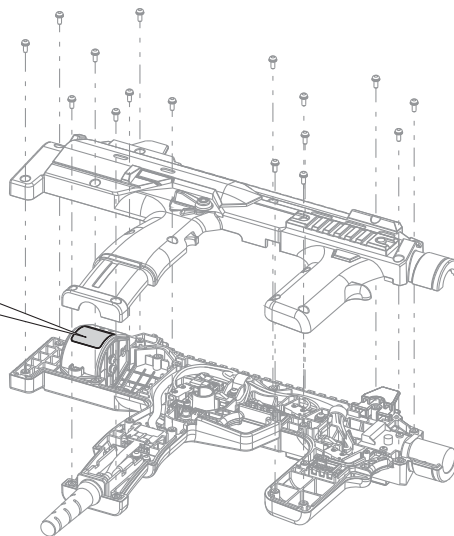
**⚠ WARNING**

High voltage can cause an electric shock. Turn off power before starting work.

440-WS0002YEG

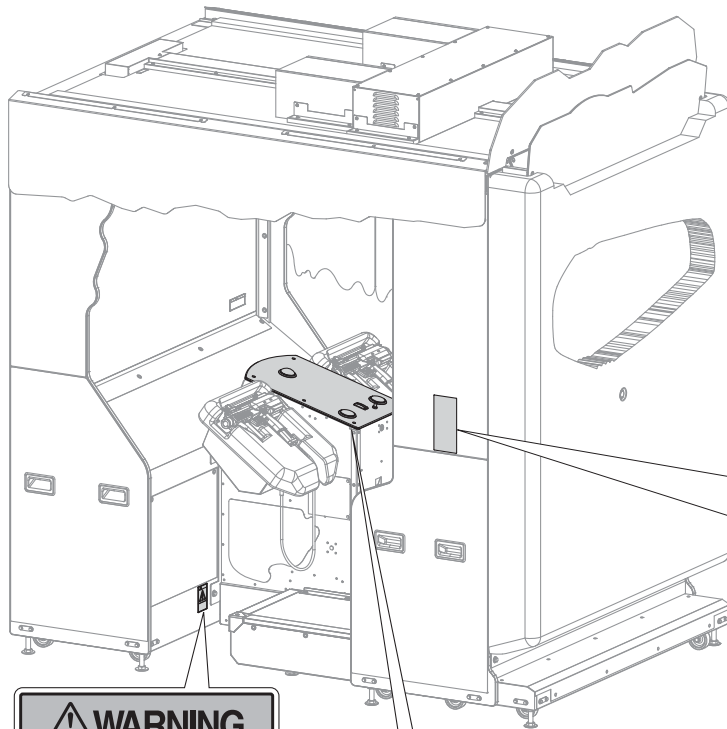


440-WS0179XEG



Controller

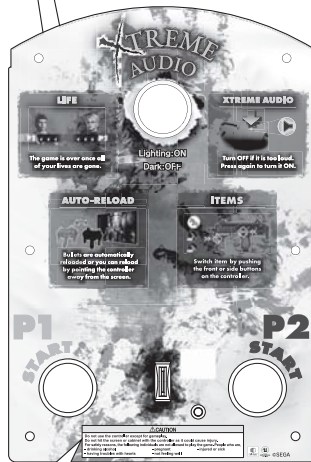




**! WARNING**

**High voltage can cause an electric shock. Turn off power before starting work.**

440-WS0002YEG



HDZ-2203-01

**! CAUTION**

Adults and children that are prone to seizures, loss of consciousness, etc. due to flashing lights or television games, should exercise caution when playing this game. If you feel sick or dizzy while playing this game, stop immediately and take a break.

Do not use the controller except for gameplay.

Do not hit the screen or cabinet with the controller as it could cause injury.

For safety reasons, the following individuals are not allowed to play the game. People who are,

- drinking alcohol
- pregnant
- injured or sick
- having troubles with hearts
- not feeling well

Do not allow more than two players to be in at the same time.

440-CS0419-EG

**! CAUTION**

Do not use the controller except for gameplay.  
 Do not hit the screen or cabinet with the controller as it could cause injury.  
 For safety reasons, the following individuals are not allowed to play the game. People who are,

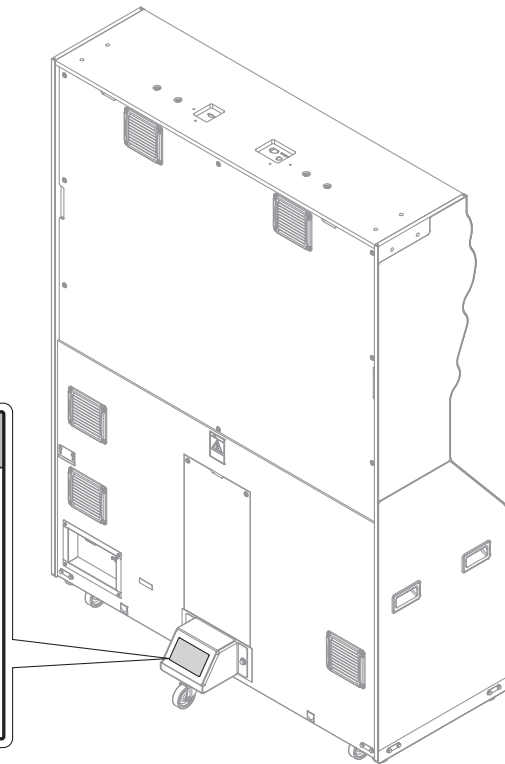
- drinking alcohol
- pregnant
- injured or sick
- having troubles with hearts
- not feeling well

**⚠ WARNING**

**After installation**  
After installing the cabinet, refer to the owner's manual and remove this product, as it may cause customers to tip over and get injured.

**Dividing and moving the cabinet**  
When dividing and moving the cabinet, attach this product. Otherwise, the cabinet may fall over.

440-WS0418-EG



### 3 PRECAUTIONS REGARDING INSTALLATION LOCATION

#### WARNING

This product is an indoor game machine. Do not install it outside. Even indoors, avoid installing in places mentioned below so as not to cause a fire, electric shock, injury and/or malfunction.

- Places subject to rain or water leakage, or places subject to high humidity in the proximity of an indoor swimming pool and/or shower, etc., or places where a water jet (high pressure washing device) could be used.
- Places subject to direct sunlight, or places subject to high temperatures in the proximity of heating units, etc.
- Places filled with inflammable gas or vicinity of highly inflammable/volatile chemicals or hazardous matter.
- Dusty places.
- Sloped or unstable surfaces.
- Places subject to any type of violent impact.
- Vicinity of anti-disaster facilities such as fire exits and fire extinguishers.
- Areas where the temperature exceeds the applicable temperature (ambient temperature) range of 5 to 35 °C (41 to 95 °F).

#### 3-1 LIMITATIONS OF USAGE

#### WARNING

- Be sure to check the electrical specifications. Ensure that this product is compatible with the location's power supply, voltage, and frequency requirements. A plate describing electrical specifications is attached to the product. Noncompliance with the electrical specifications can cause an electric shock or fire.
- This product requires a circuit breaker and earth ground mechanism as part of the location facilities. Using the product without these may cause an electric shock or fire.
- Be sure to use an independent power supply equipped with an earth leakage circuit breaker (ELCB). Use of power supply without such a circuit breaker could result in fire if there is a current leakage.
- Putting many loads on one electrical outlet can cause generation of heat and a fire resulting from overload.
- Ensure that the indoor wiring for the power supply is rated at 15 A or higher (AC100 V - 120 V area) and 7 A or higher (AC 220 V - 240 V area). Noncompliance with the electrical specifications can cause a fire and electric shock.
- When using an extension cable, ensure that the cable is rated at 15 A or higher (AC100 V -120 V area) and 7 A or higher (AC 220 V - 240 V area). Using a cable rated lower than the specified rating can cause a fire and electric shock.

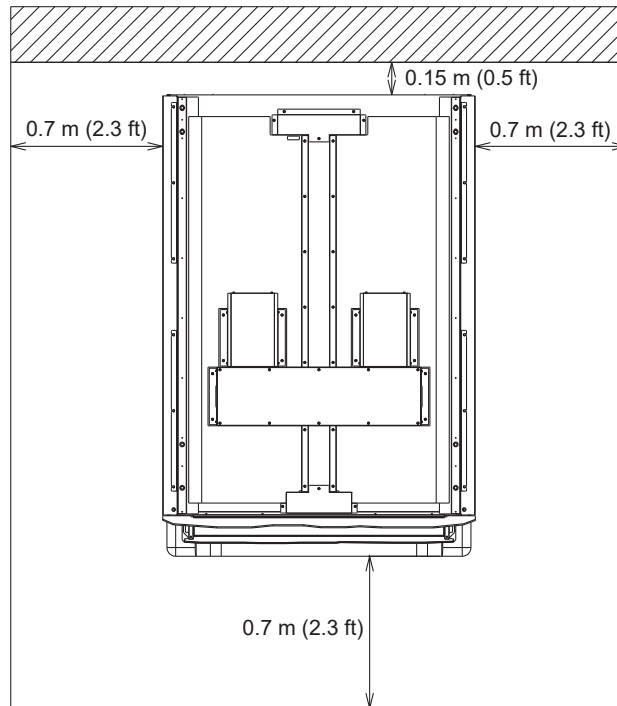
**ELECTRICITY CONSUMPTION (MAX.)**

6.3A	Single phase AC 110V, 60Hz Area
5.7A	Single phase AC 120V, 60Hz Area
3.2A	Single phase AC 220V, 50Hz Area
3.1A	Single phase AC 220V, 60Hz Area
3.1A	Single phase AC 230V, 50Hz Area
2.9A	Single phase AC 240V, 50Hz Area

3

**3-2 OPERATION AREA**** WARNING**

- For safe operation, use and operate this product in an area measuring at least 2.84 m (9.32 ft) in width and 2.98 m (9.78 ft) in depth. SEGA shall not be held responsible for damage, compensation for damage to a third party, resulting from the failure to observe this instruction.
- The ceiling where this product is installed must be at least 2.3 m (7.55 ft) high. If the ceiling is too low, the heat emitted from the product may cause it to catch on fire.
- Be sure to provide sufficient space specified in this manual. Do not allow objects to block the ventilation ports. It can cause generation of heat and a fire.
- To operate this product, sufficient space must be provided for the player in addition to the area necessary for the cabinet and ventilation. Be sure to provide an area measuring at least 0.7 m (2.3 ft.) square per player. Failure to provide sufficient space can lead to falling down during play, which could lead to serious head injuries.

**Installation example****The 1/100 scale drawing**

The 1/100 scale drawing is available for download and use at <http://am.sega.jp/>.

## 4 PRECAUTIONS REGARDING PRODUCT OPERATION

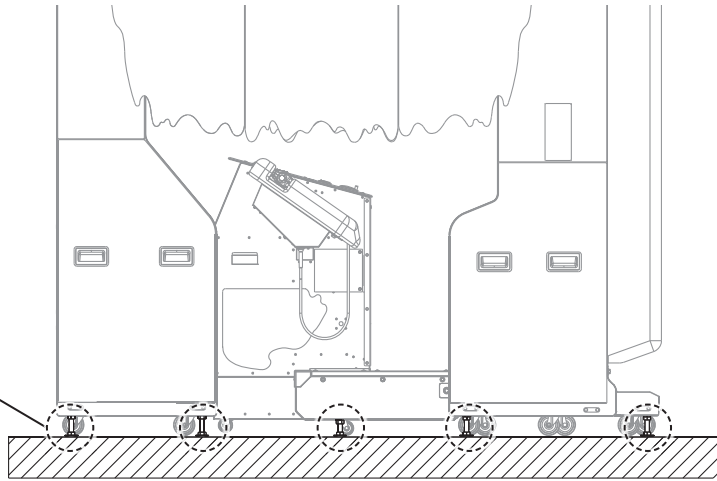
In order to avoid accidents, check the following before starting the operation:

### 4-1 BEFORE OPERATION

#### WARNING

- Make sure to operate this product under sufficient lighting so that customers can read warnings and avoid accidents that may cause by lack of understanding.
- Check if all of the Adjusters are in contact with the floor. If they are not, the cabinet can move and cause an accident.

Ensure that all of the Adjusters are in contact with the floor.



- Do not place any heavy items on this product. Placing heavy items on the product can cause parts damage or the cabinet to tip over.
- Do not climb on the product. Climbing on the product can cause it to tip over. To check the top portion of the product, use a stepstool.
- To avoid electric shock, check to see if door and cover parts are not damaged and installed properly.
- Do not place the following items on top of the product, nearby the product or hang them from the ceiling. Doing so could result in electric shock, short circuits, fire and/or damage to the parts.

Flower vases, flowerpots, cups, water tanks, cosmetics, and receptacles/containers/vessels containing chemicals and water.

 **CAUTION**

- To avoid injury, be sure to provide sufficient space by considering the potentially crowded situation at the installation location. Insufficient installation space can cause contact, collisions, and/or trouble between customers.
- During daily cleaning, be sure to check the surface of the parts that the player touches with his/her hands for damage, cracks, or loose screws. If a player uses the product while it is damaged, cracked, or has a loose screw, the player may become injured.
- Be sure to check carefully that there are no gaps or rattling at the door or/and the junction of the cabinet. If there are gaps or rattling, the players could get fingers or hands caught, resulting in injury.
- Make sure all the doors are locked securely and that they do not rattle. If the doors are not locked properly or there are gaps or rattling, the players could get their fingers or hands caught. It could also invite mischief.
- When cleaning the controller, the control panel, be sure to check for scratches or cracks on the surface and loose screws. If a player uses the machine while it has a loose screw, the player may be injured.
- Prepare a place where players can rest if they feel sick.
- Be sure to perform appropriate adjustment of the LCD. For operation of this product, do not leave screen's flickering or deviation as is. Failure to observe this can have a bad influence upon the players' or the customers' physical conditions.

 STOP**IMPORTANT**

- Be sure to have hand wipes, etc. available during operation to ensure that the customers play in comfort.
- Diligently clean the parts that players touch directly to ensure a pleasant game playing experience.
- Check to make sure that the unit has not been tampered with, such as by putting foreign objects into the coin insert slots. This will prevent gameplay.
- Be sure to check for any players before turning the power OFF.

## 4-2 PAYING ATTENTION TO CUSTOMERS

To prevent injuries and unnecessary trouble, be sure to pay attention to the behavior of customers and players.

### **WARNING**

- **For safety reasons, do not allow any of the following people to play the game. Failure to observe this warning could result in serious injury.**
  - **Persons who disregard the product's warning displays.**
  - **Those who are intoxicated.**
- **To avoid injury from falls and electric shocks due to spilled drinks, instruct the player not to place heavy items or drinks on the product.**
- **To avoid electric shock and short circuits, do not allow customers to put hands and fingers or extraneous matter in the openings of the product or small openings in or around the doors.**
- **To avoid falls and resulting injury, immediately stop any customers who lean against, climb on, hang from the product or perform other similar activities.**
- **To avoid electric shock, short circuit and fire, do not allow customers to unplug the power plug without a justifiable reason.**
- **Be sure to instruct the adult responsible for their children to watch them. Children cannot sense danger. Approaching the player during play may result in accidental contact, collisions or falls. If the controller is pulled and dropped on the head, it may cause injury.**
- **Caution the player not to wrap the controller cable around his/her wrist or neck, as this can lead to serious injury.**

**For the sake of safety, stop the following acts by players, any of which could lead to accidents. They could also result in damage or deformation of parts, faulty operations or needless trouble.**

  - **Violent manipulations.**
  - **Sitting with three or more people.**
  - **Playing with a child resting on one's knee.**
  - **Putting out cigarettes in places other than the ashtray.**
  - **Acts that block ventilation ports.**
  - **Placing drinks on the cabinet.**
  - **Placing wet raingear nearby.**
  - **Acts that involve persons other than the player touching the controls during play.**
  - **Placing objects where they will block passage by other customers.**
  - **Tilting the cabinet.**
  - **Leaning against the monitor or other actions that could lead to accidents.**
  - **Acts that involve using the controller for anything other than its intended purpose.**
  - **Beating the screen or cabinet with the controller**
  - **Players who are drinking**



 **WARNING**

- Pregnant women playing
- Injured or sick people playing
- People with heart conditions playing
- People with other impairments playing
- Immediately stop users from swinging or reloading the controller in a violent manner. Such acts may hurt the player or other people around them.
- Playing too close to the cabinet may cause the controller to hit the cabinet and cause damage. Make sure that players understand to play at a safe distance from the cabinet.
- Make sure that players understand not to be too close together when playing a two player game. Swinging the controller could lead to a player getting hit and may cause injury.
- Instruct players to hold the controller securely while playing. If the controller is dropped, it could cause injury to the player.
- Items such as large finger rings can cause injury to the fingers while playing. Instruct players to remove all accessories that could cause an accident before playing.
- Instruct players that a single controller is never to be held by two or more people during play. Otherwise there could be dangerous contact or a collision.

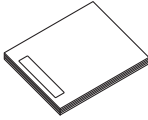
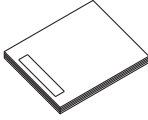
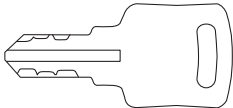

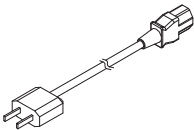
## 5 ACCESSORIES

The parts listed in the table below are Tools and Spare parts that may not be used depending on operating conditions. Keep them in a safe place for maintenance purposes.

Accessories marked "Spare" in the "DIAGRAM/USE ETC." column are consumable items but included as spares. Be sure to handle all parts with care, as some parts are not available for purchase separately.

*Note: Some parts listed in the table below may be attached to a cabinet depending on installation conditions.*

**Accessories table**

PART NAME/PART NO.	DIAGRAM/USE ETC.	Quantity
Owner's Manual	 This manual	1
Service Manual		1
Key 7001	 Open and close the door	2
Key 6001	 For cashbox door	2
Ac cord		1



## 6 ASSEMBLY AND INSTALLATION

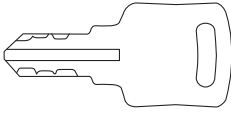
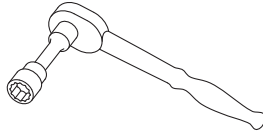
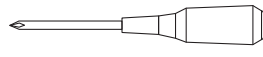
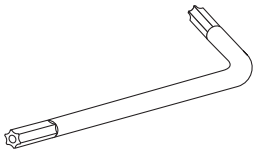
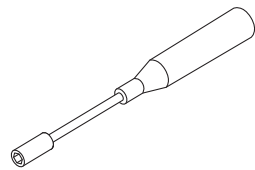
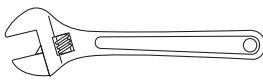
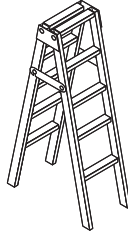
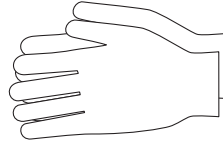
### WARNING

- This work should be performed by site maintenance personnel or other qualified professionals. Work performed by non-technical personnel can cause a severe accident such as an electric shock.
- Be mindful of your surroundings if two or more workers are servicing this product at once. Failing to do so could cause collisions and contact with parts. Assign someone to oversee the work if necessary. In addition, if workers are working on different parts separately and make a mistake in the assembly order, it could cause an unforeseeable accident and/or make it impossible to assemble the product correctly.
- For any work listed in this manual that requires more than one person, be sure to perform the work with at least the number of people specified. Performing the work with less than the specified number of people makes the work more difficult and may cause accidents.
- To perform work safely and securely, be sure to prepare a stepstool which is in a secure and stable condition. Performing work without using a stepstool can lead to accidents.
- Exercise proper caution when using a stepstool to perform work. Falling or tipping over could result in a major accident. Also, if the ceiling is low, you could bump your head.
- Provide sufficient space so that assembly can be performed. Performing assembly in a work place with narrow space or a low ceiling may cause an accident and assembly work could be difficult.
- Check that the Adjusters and casters are undamaged. Using damaged Adjusters or casters can cause the cabinet to tip over.
- Check if all of the Adjusters are in contact with the floor. If they are not, the cabinet can move and cause an accident.
- To perform work safely and avoid a serious accident such as the cabinet tipping over, do not perform work in places where step-like grade differences, a ditch, or a slope exists, as it will make the work difficult.
- Ensure that sufficient lighting is available for assembly and installation. Performing with insufficient lighting may cause accidents.
- Be sure to perform grounding appropriately. Inappropriate grounding can cause an electric shock. Additionally there could be erroneous operations and/or damage to the parts.
- Ensure that connectors are properly connected. Improper connections can cause an electric shock, short circuit or fire.
- Be careful not to damage the cables. Damaged cables may cause an electric shock, short circuit or fire.
- When connecting cables inside the cabinet, there may be instances in which the indoor lighting does not reach that location. Have a flashlight or other auxiliary lighting equipment on hand. If cables are connected carelessly, there could be an accidental electric shock, short circuit, fire, etc.

## ⚠ CAUTION

- When opening/closing or attaching/removing doors or other parts, be careful that your hands or fingers do not get caught in anything.
- Be careful in handling plastic parts. If such parts are exposed to excessive loads or impact, they might become damaged, resulting in fragments or cracks that could cause accidental injury.
- When fastening plastic parts, be careful not to tighten screws and nuts excessively. Failure to observe this may damage the parts, resulting in fragments or cracks that could cause accidental injury.
- Support and hold parts in place securely and fasten them with screws and/or bolts. Use at least two workers, one to support the part and another to fasten it in place. If a part is not supported securely, it might fall down, resulting in an accident.
- If all affixed fasteners (screws, nuts, and washers) are removed, parts will fall off and cause accidents. Ensure that parts are firmly supported when removing affixed fasteners.
- Wear appropriate work clothing so that work can be performed safely. Use gloves and safety shoes to prevent accidents or injuries.

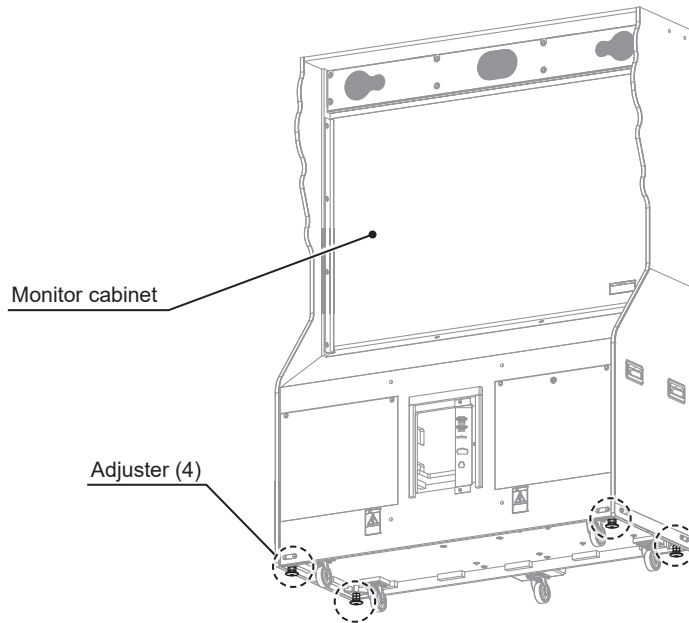
### Tools necessary for work

 <p>Master key (Accessory)</p>	 <p>Sockets for hexagon head bolts and nut (WAF 13 mm )</p>	 <p>Phillips screwdriver (For M4)</p>	 <p>Tamperproof wrench (For M4)</p>
 <p>Nut driver (WAF 7 mm [For M4])</p>	 <p>Wrench (WAF 24 mm [for Adjuster])</p>	 <p>Stepstool For place over 1.5 m height</p>	 <p>Gloves</p>

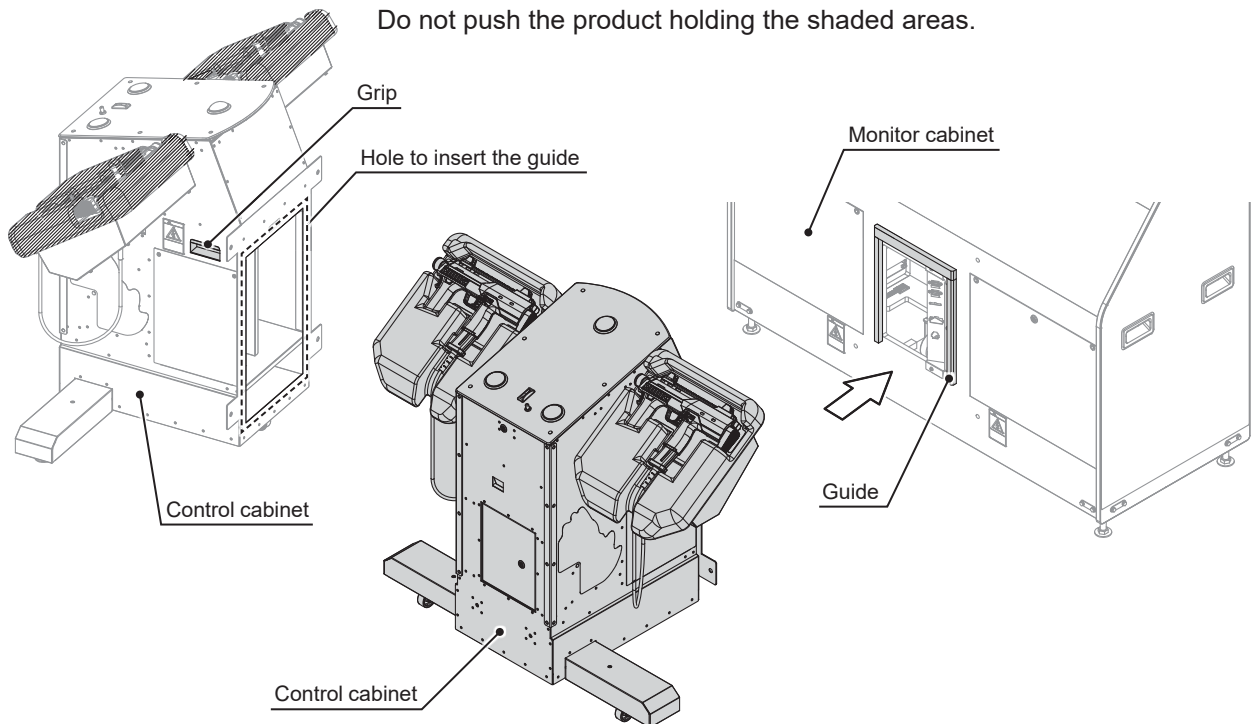
## 6-1 ATTACHING THE CONTROL CABINET

Have two or more workers when performing this task.

- 1 Bring the four Adjusters at the bottom of the Monitor cabinet into direct contact with the floor.

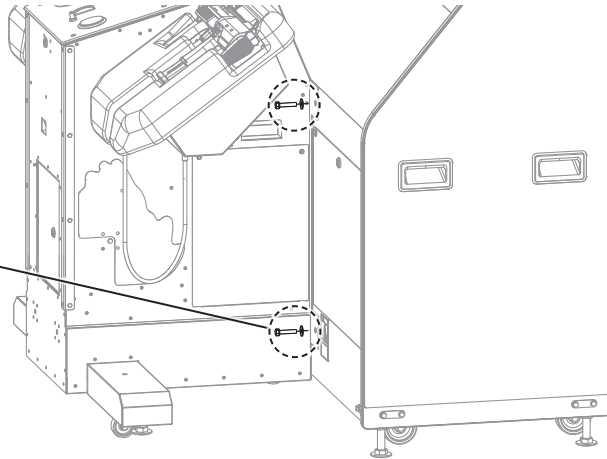


- 2 Hold the handles of the Control cabinet with two people and put the Control cabinet on the Monitor cabinet guide. Be careful not to damage the cable by getting it caught.



3 Secure the Control cabinet with four hexagon head bolts.

Hexagon head bolt (4), black  
M8 x 40, w/spring lock washer  
Large plain washer (black) used

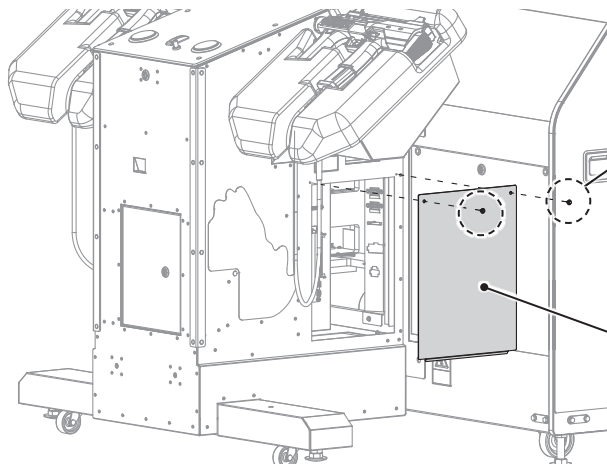


There are two hexagon head bolts on the other side.

4 Remove two screws and take off the Side lid.

Screw (2), black  
M4 x 8, w/flat & spring lock washers

Side lid



## 5 Connect five connectors.

Connector (1)  
USB [USB1]

Connector (1)  
USB [USB3]

Connector (1)

Connector (1)

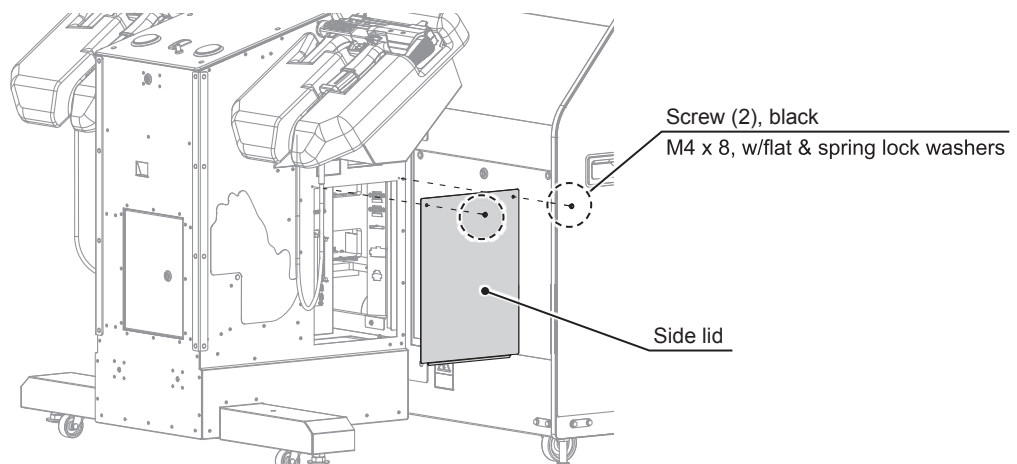
Connector (1)

Connector (1)

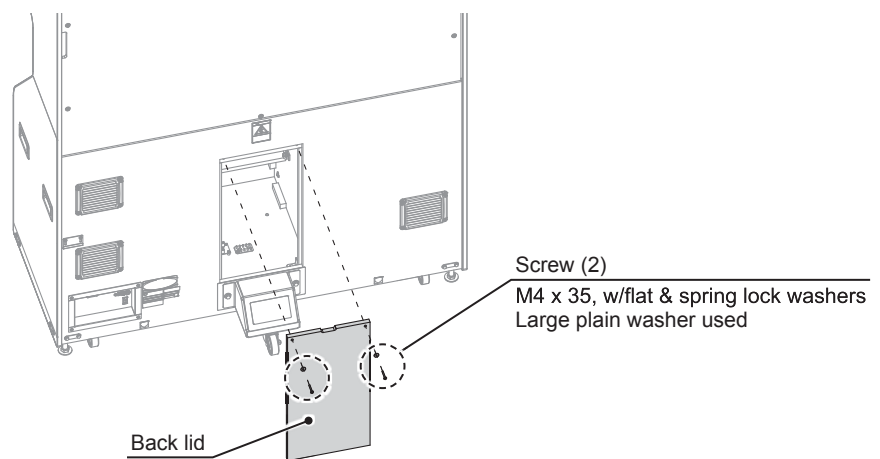


6

## 6 Attach the Side lid with two screws.



## 7 Remove two screws and take off the Back lid.





**⚠ WARNING**

**[After installing the cabinet]**

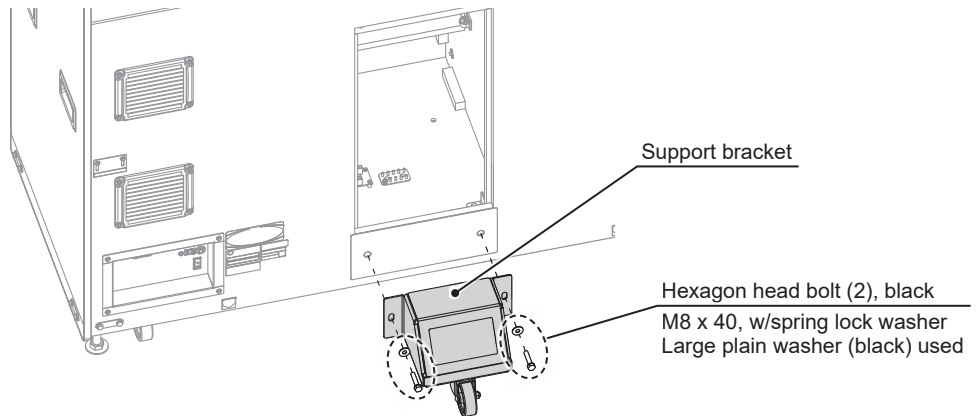
**After installing the cabinet, remove the Support bracket, otherwise customers may trip over it and become injured.**

**[Disassembling / moving the cabinet]**

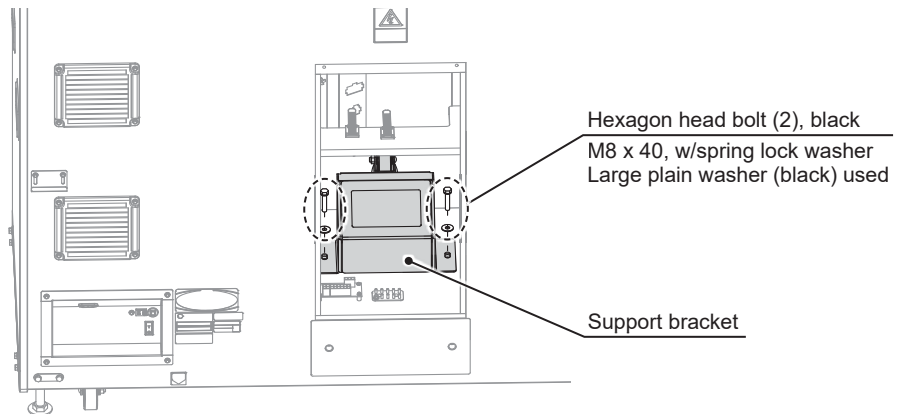
**When disassembling or moving the cabinet, attach the Support bracket, otherwise the cabinet may tip over.**

6

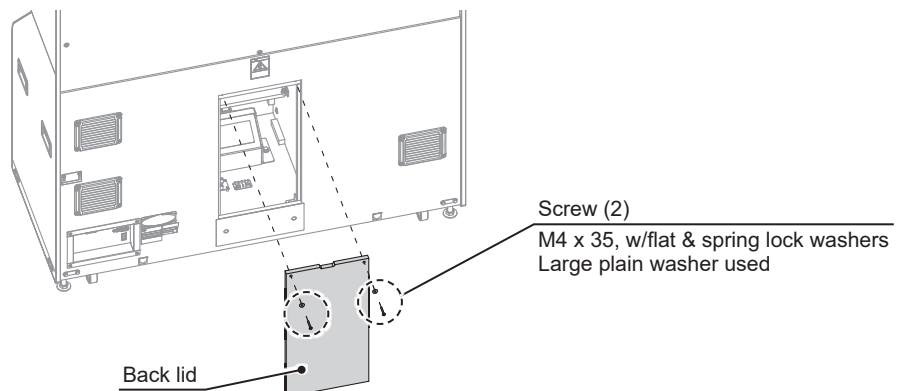
**8** Remove two hexagon head bolts and take off the Support bracket.



**9** Attach the Support bracket inside the cabinet with two hexagon head bolts. Be careful not to damage the cable by getting it caught.



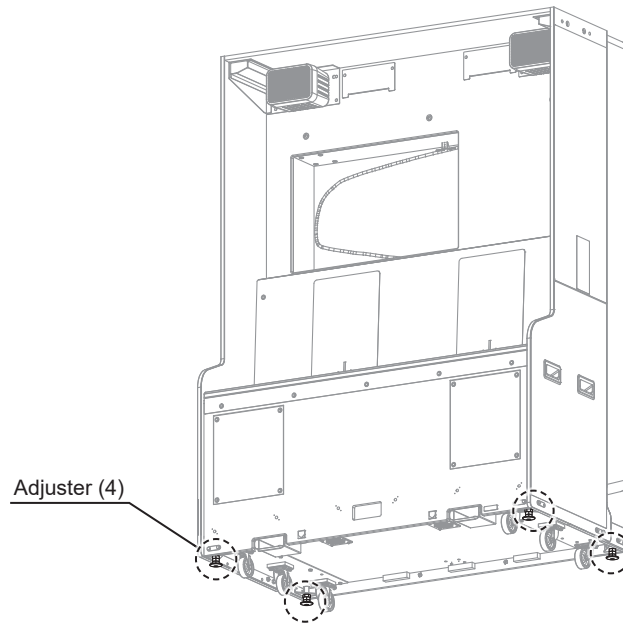
**10** Attach the Back lid with two screws.



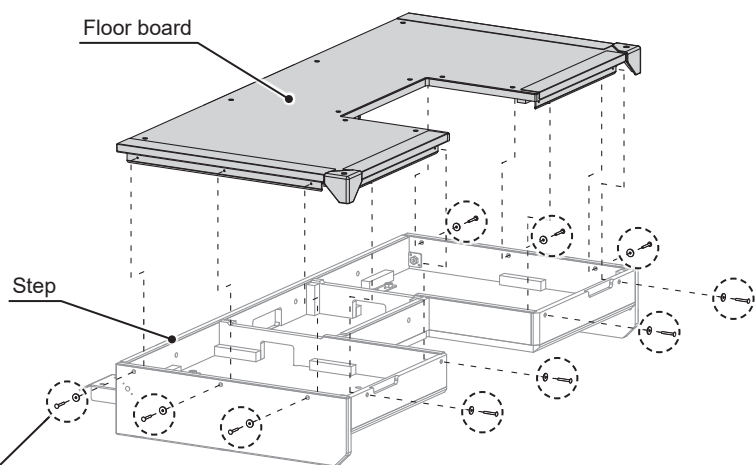
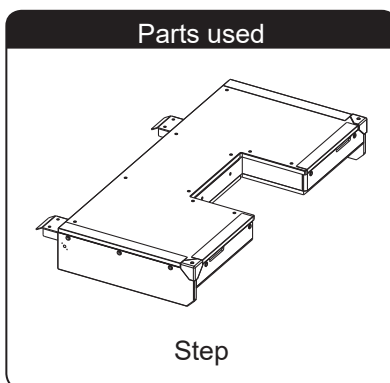
## 6-2 ATTACHING OF THE STEP

Have two or more workers when performing this task.

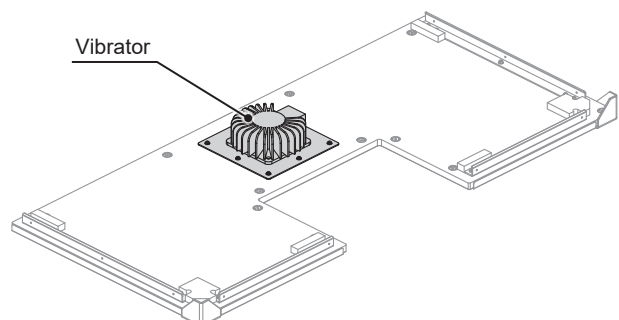
- 1 Bring the four Adjusters at the bottom of the Seat cabinet into direct contact with the floor.



- 2 Remove 10 truss head screws and take off the Floor board from the Step. After taking off the Floor board, put it with the vibrator facing up.

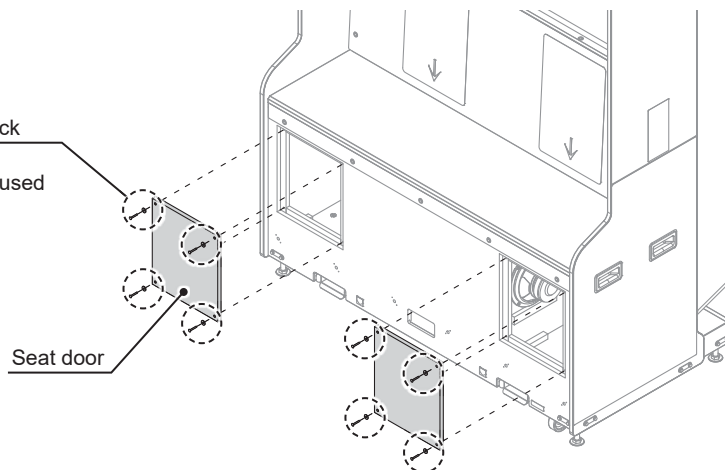


Truss head screw (10), black  
M4 x 30  
Large plain washer (black) used



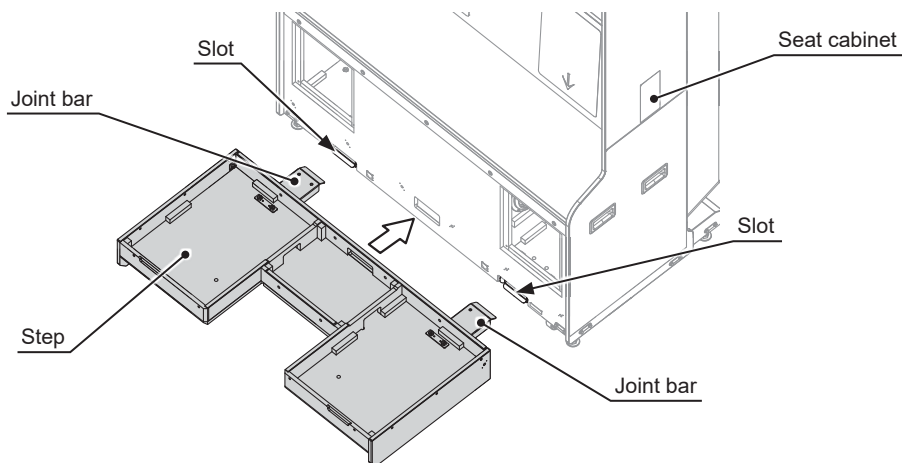
**3** Remove eight tamperproof screws and take off the two Seat door.

Tamperproof screw (8), black  
 M4 x 30  
 Large plain washer (black) used



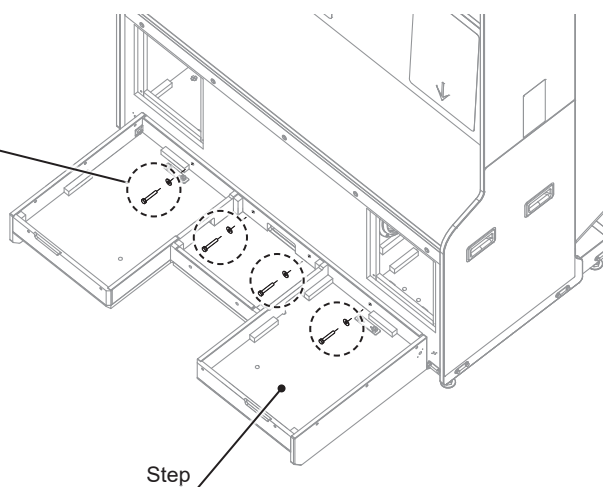
6

**4** Support the Step with two people and insert it to the Seat cabinet. Align and position the Joint bar of the Step so that it fits inside the Slot of the Seat cabinet.



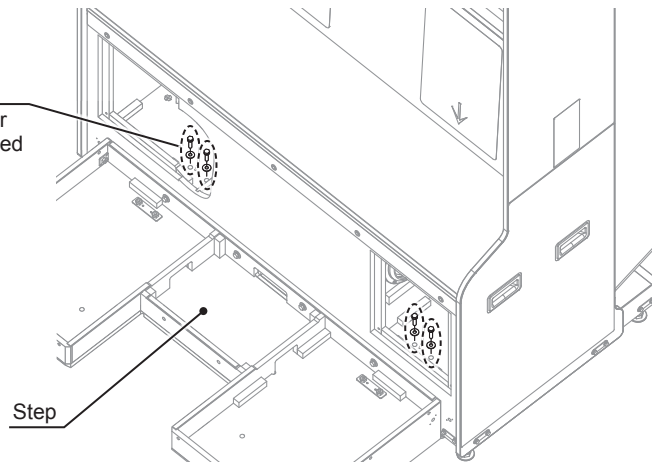
**5** Secure the Step with four hexagon head bolts.

Hexagon head bolt (4)  
 M8 x 50, w/spring lock washer  
 Large plain washer (black) used



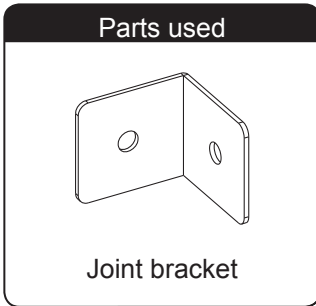
**6** Secure the Step with four hexagon head bolts.

Hexagon head bolt (4), black  
M8 x 40, w/spring lock washer  
Large plain washer (black) used

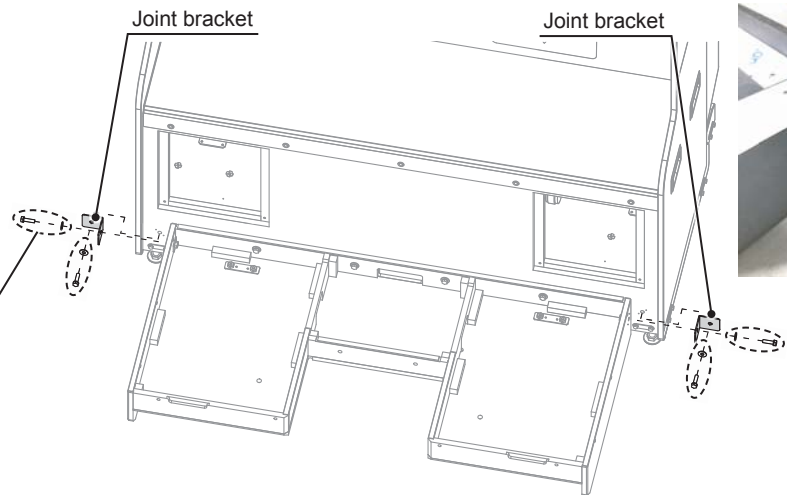


6

**7** Attach the two Joint brackets with four hexagon head bolts.

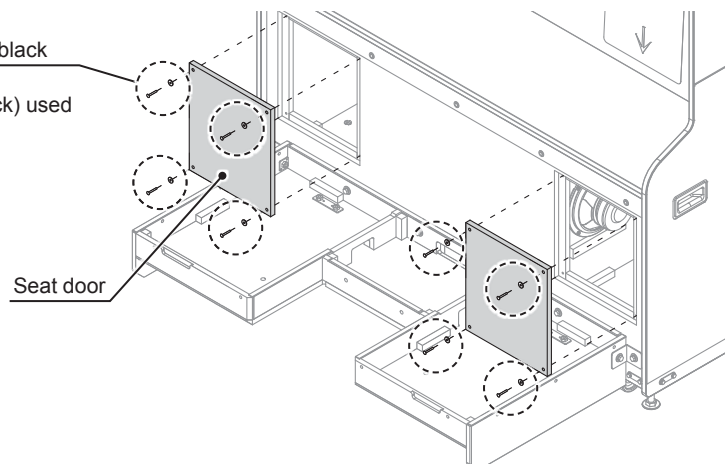


Hexagon head bolt (4), black  
M8 x 40, w/spring lock washer  
Large plain washer (black) used



**8** Attach the two Seat door with eight tamperproof screws.

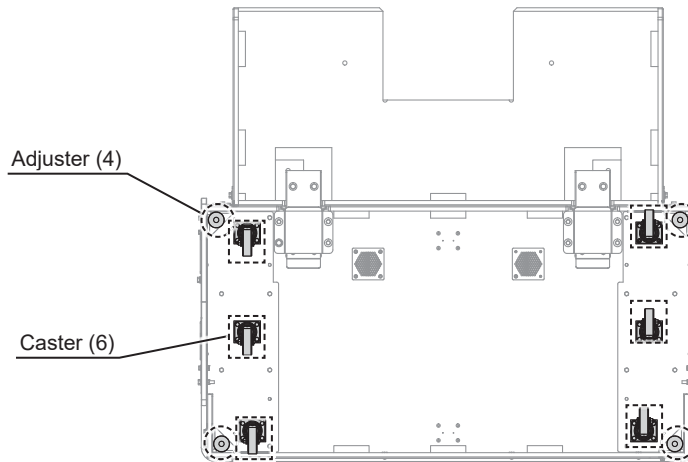
Tamperproof screw (8), black  
M4 x 30  
Large plain washer (black) used



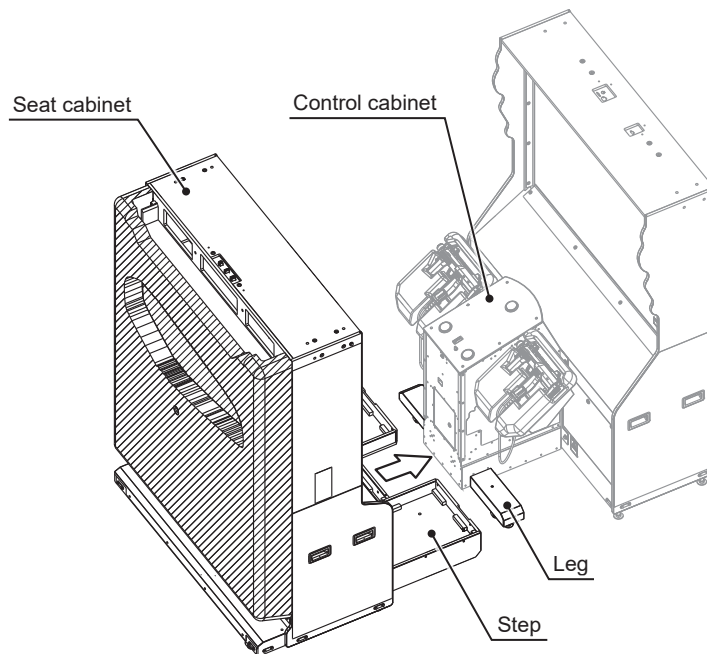
## 6-3 ATTACHING THE SEAT CABINET

Have two or more workers when performing this task.

- 1 Raise the four adjusters on the Seat cabinet and have the six casters contact with the floor.

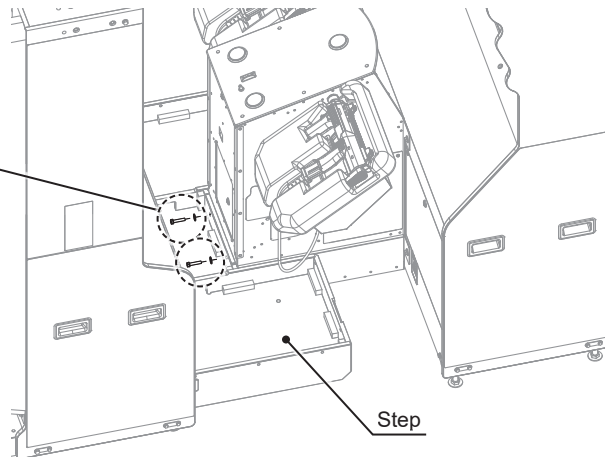


- 2 Support the Seat cabinet with two people and insert it to the Control cabinet. When doing this, put the step on the Control cabinet legs. Do not push the product holding the shaded areas.



### 3 Secure the Step with two hexagon head bolts.

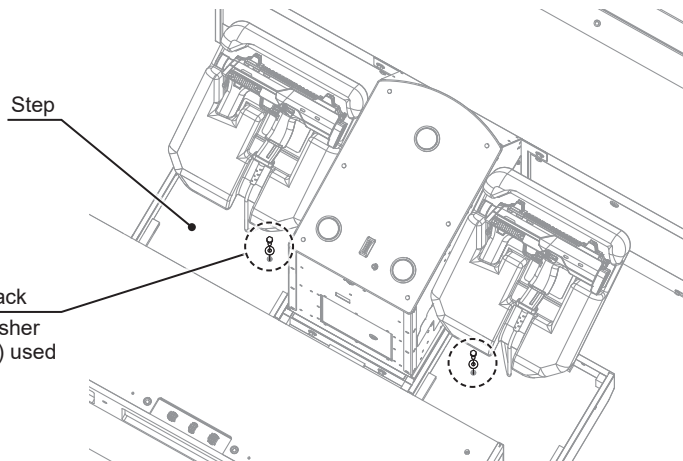
Hexagon head bolt (2), black  
M8 x 40, w/spring lock washer  
Large plain washer (black) used



6

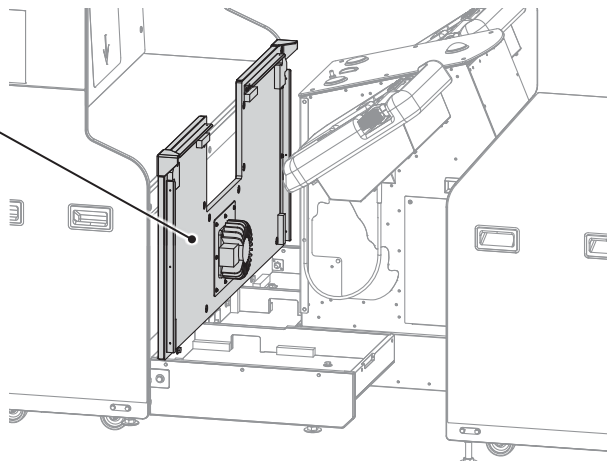
### 4 Secure the Step with two hexagon head bolts.

Hexagon head bolt (2), black  
M8 x 40, w/spring lock washer  
Large plain washer (black) used

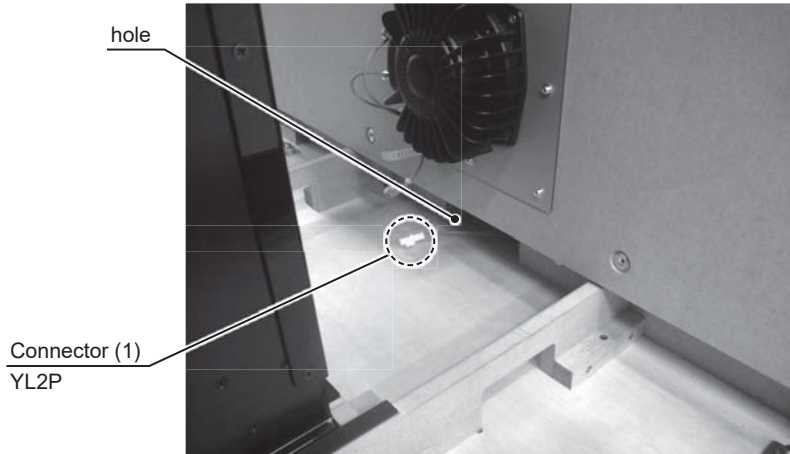


### 5 Place the Floor board on the Step. One of people working on this should keep holding the Floor board until step 8 is finished.

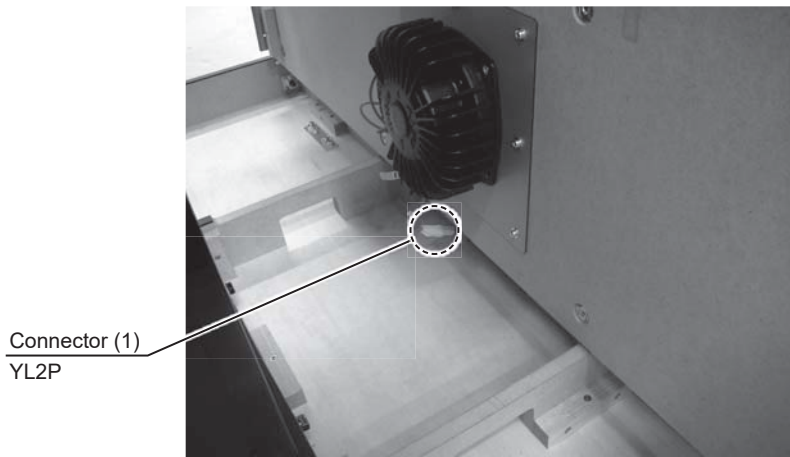
Floor board



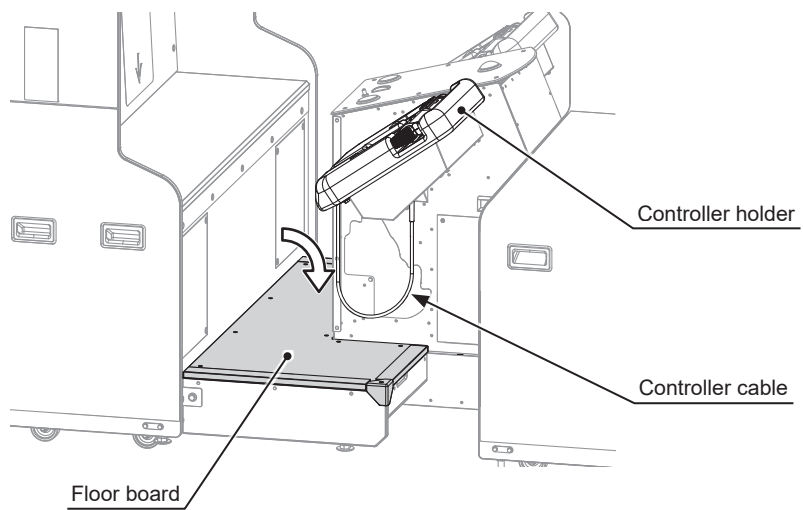
6 Pull the connector out of the hole on the Step.



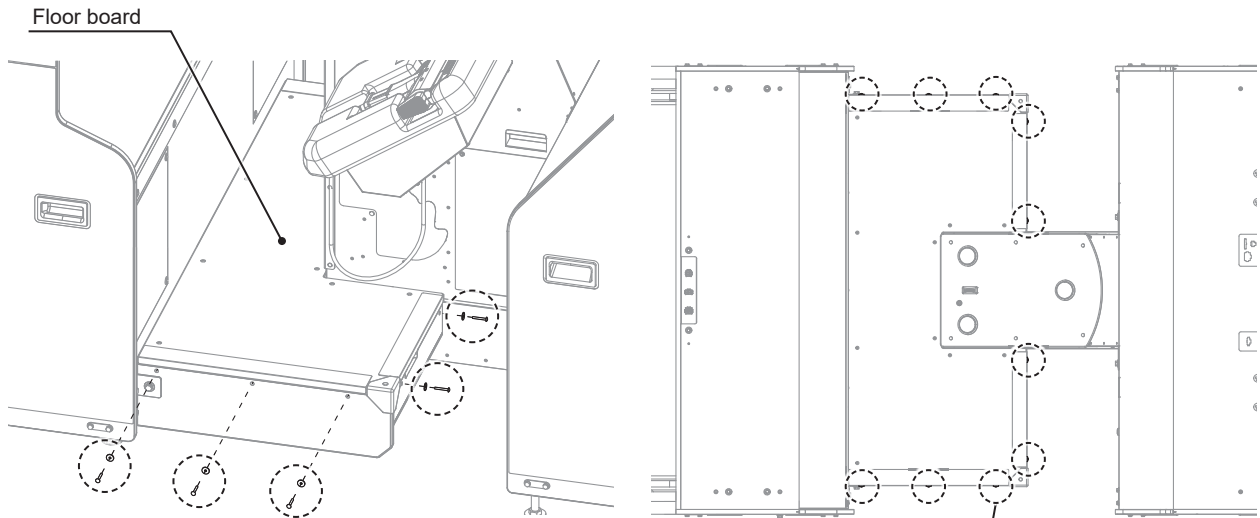
7 Connect the connector.



8 Support the Floor board with two or more people and close it. When doing this, be careful not to damage the Controller holder or Controller cable. Also, be careful not to get fingers caught.



**9** Secure the Floor board 10 truss head screws.

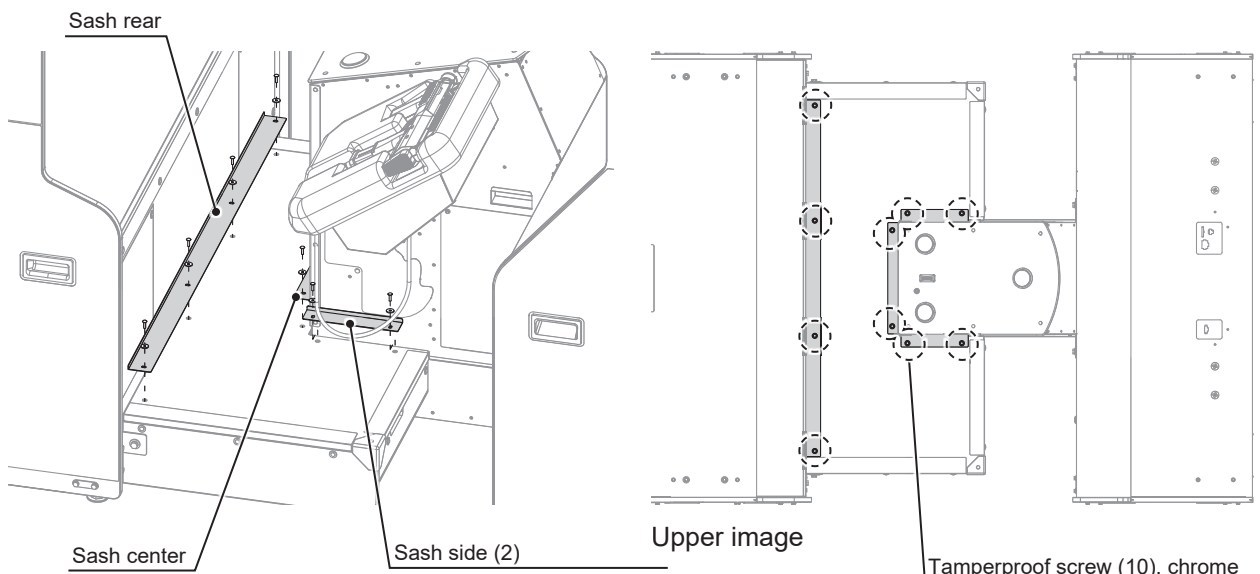
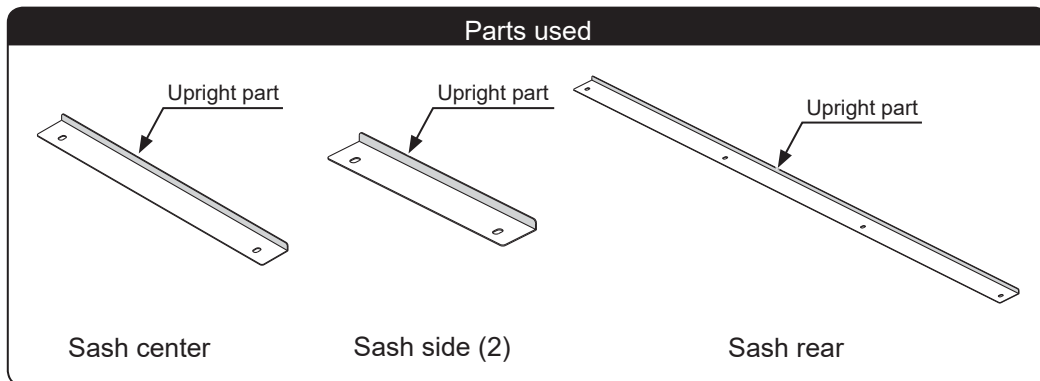


Note: There are also truss head screws on the other side.

Upper image

- Truss head screw (10), black
- M4 x 30
- Large plain washer (black) used

**10** Attach one Sash center, two Sash side and one Sash rear with 10 tamperproof screws. When doing this, ensure that the upright parts contact with the cabinet.



Note: There is also the Sash side on the other side.

Upper image

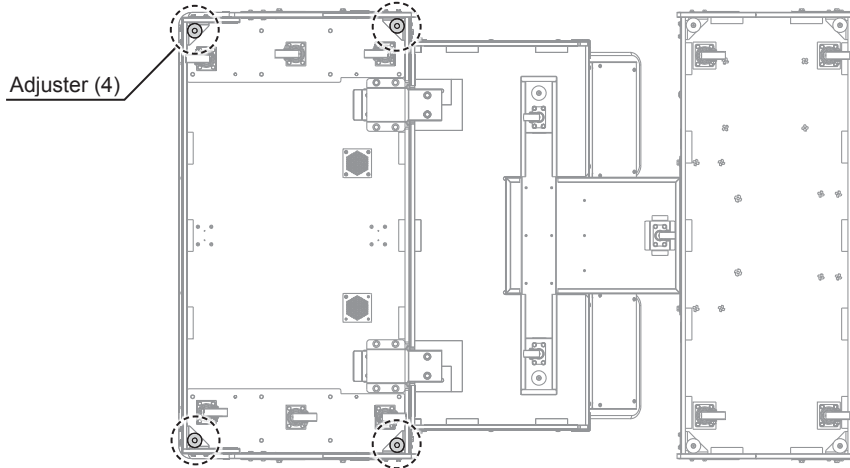
- Tamperproof screw (10), chrome
- M4 x 16
- Large plain washer used



## 6-4 ATTACHING OF THE JOINT FRAME L / R

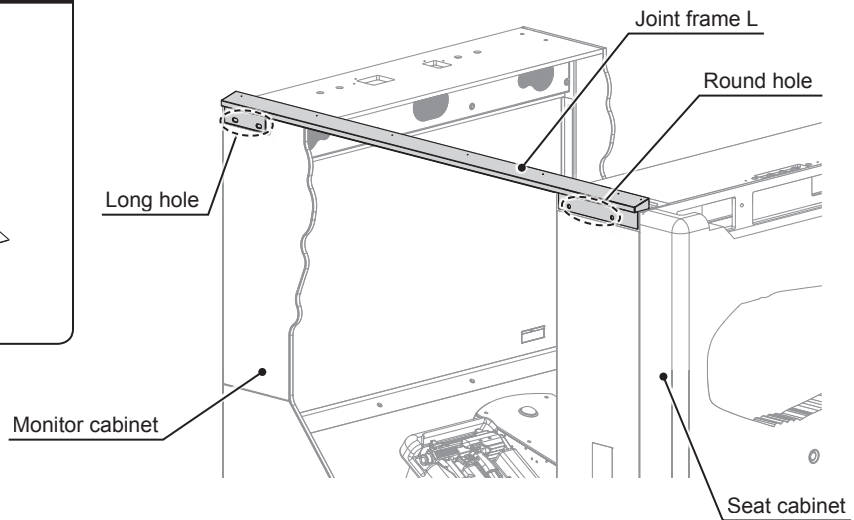
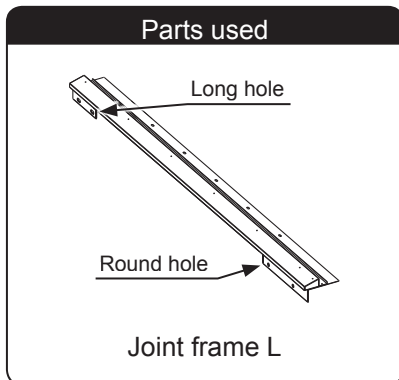
Have two or more workers when performing this task.

- 1 Bring the four adjusters at the bottom of the Seat cabinet into direct contact with the floor.

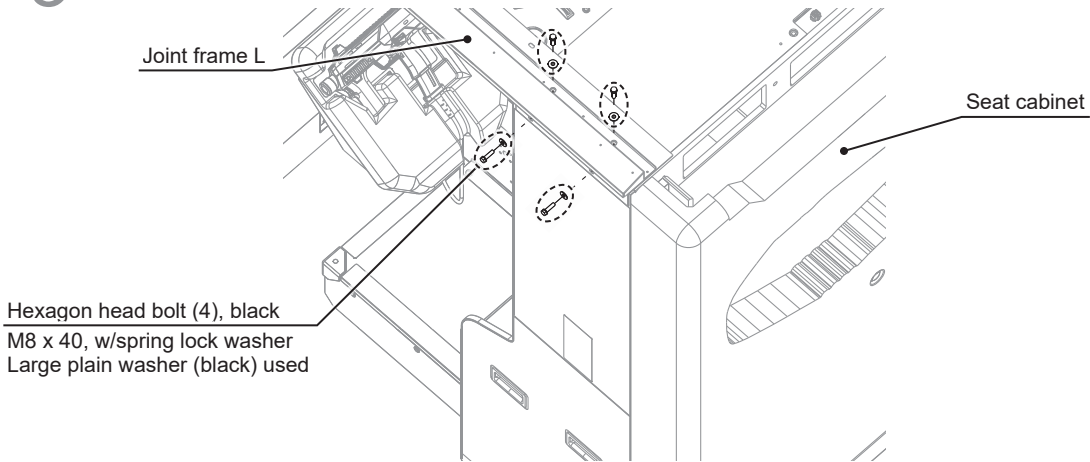


Bottom image of the Seat cabinet

- 2 Support the Joint frame L with two or more people and place it on the Monitor cabinet and Seat cabinet. When doing this, ensure that the round hole side of the Joint frame L comes the Seat cabinet side.

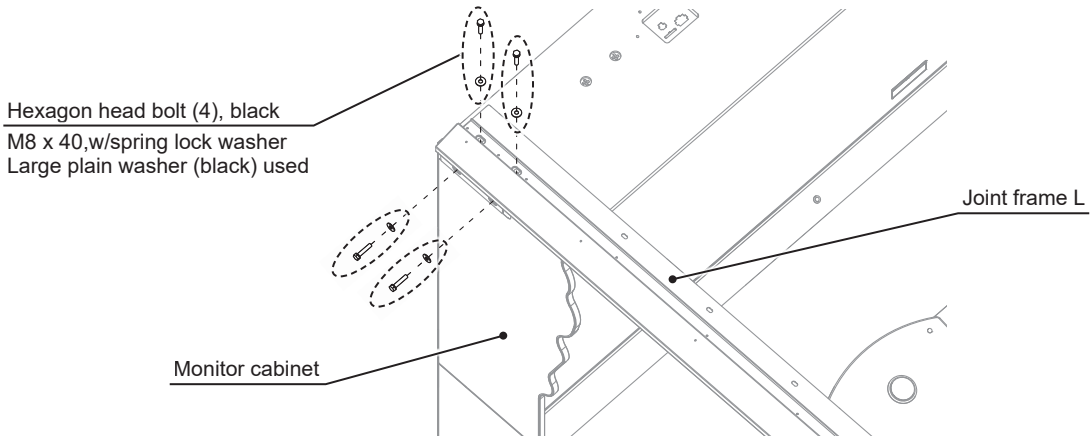


**3** Loosely fasten the Joint frame L to the Seat cabinet with four hexagon head bolts.

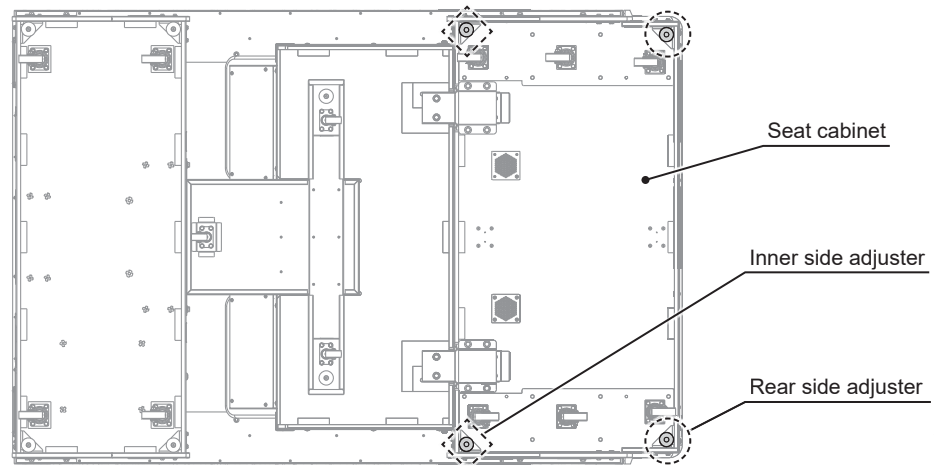


6

**4** Loosely fasten the Joint frame L to the Monitor cabinet with four hexagon head bolts. If the holes are not aligned, adjust the height with the adjuster of the Seat cabinet.

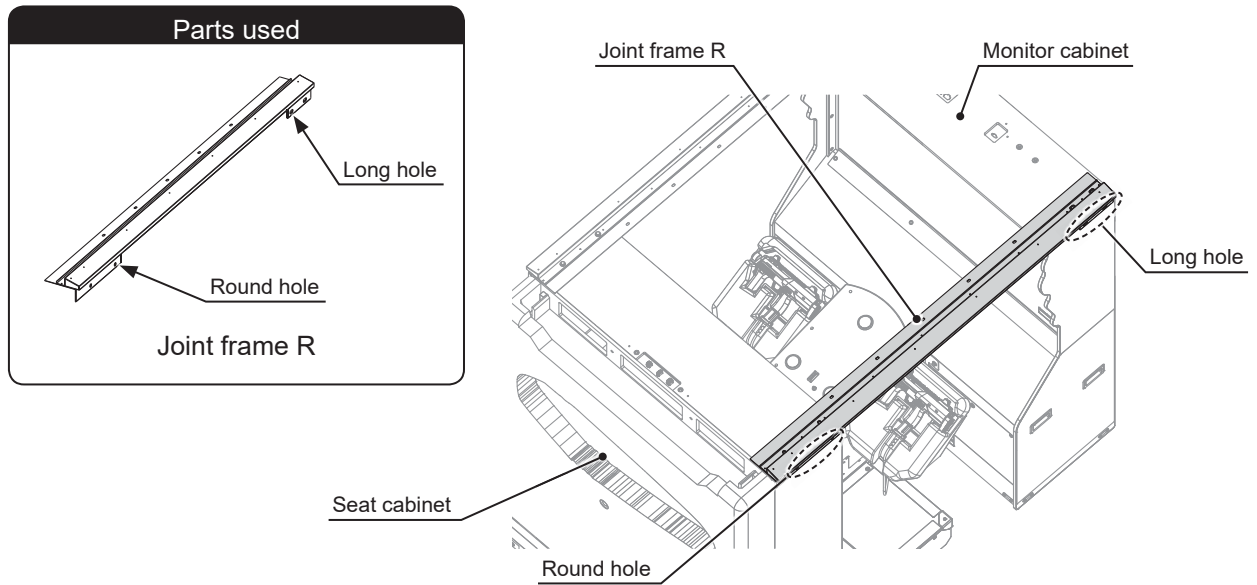


When the screw hole is facing outward with respect to the long hole	Lower the adjuster on the rear side of the Seat cabinet.
When the screw hole is facing inside with respect to the long hole	Lower the adjuster on the inner side of the Seat cabinet.

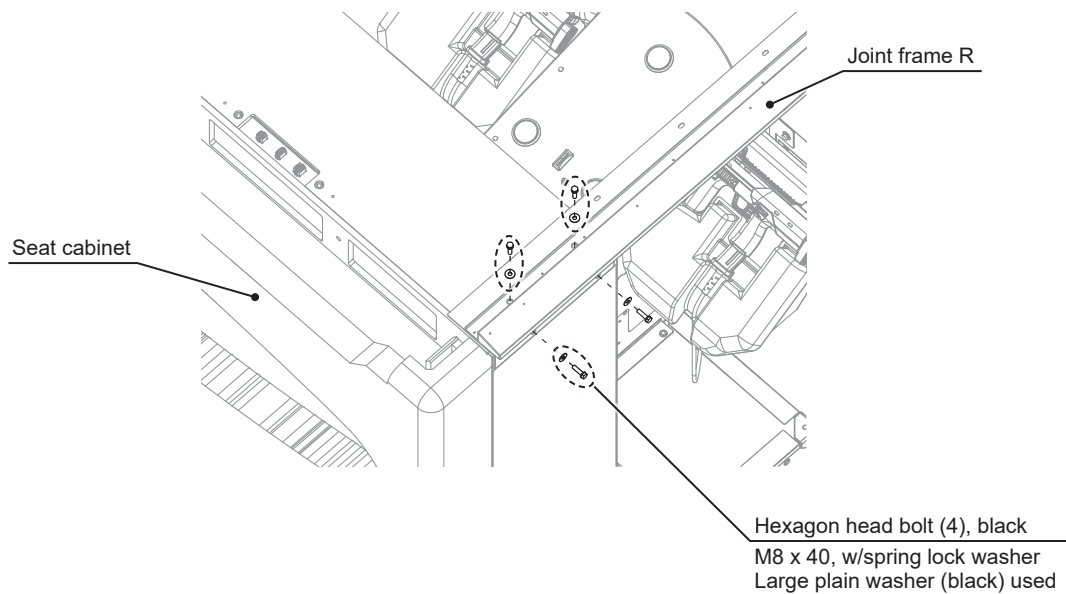


Bottom image

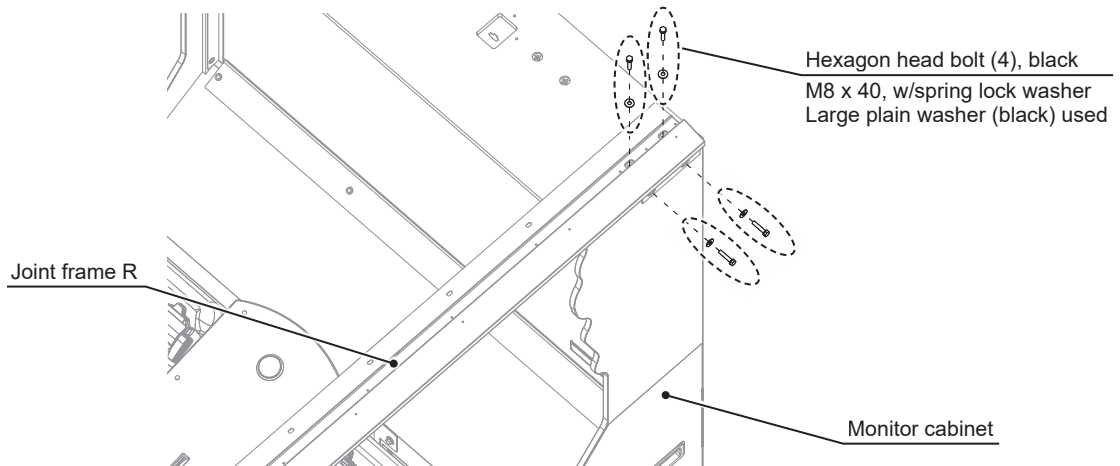
- 5** Support the Joint frame R with two or more people and place it on the Monitor cabinet and Seat cabinet. When doing this, ensure that the round hole side of the Joint frame R comes the Seat cabinet side.



- 6** Loosely fasten the Joint frame R to the Seat cabinet with four hexagon head bolts.

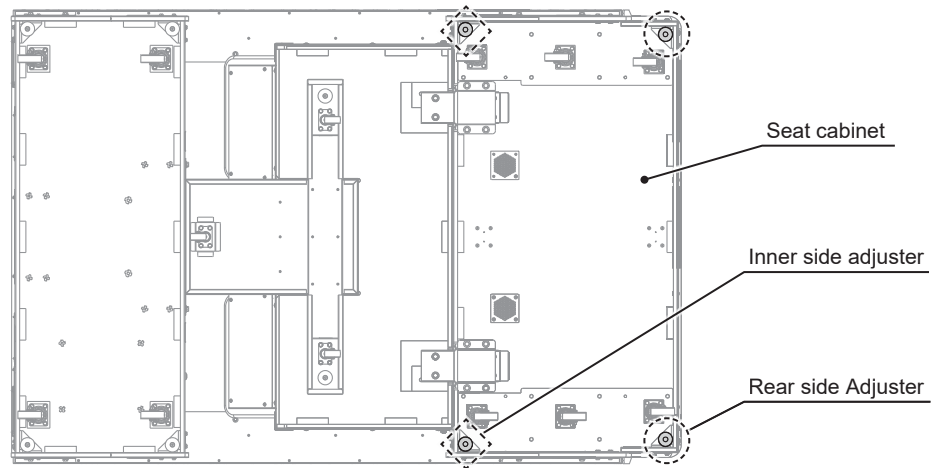


**7** Loosely fasten the Joint frame R to the Monitor cabinet with four hexagon head bolts.  
If the holes are not aligned, adjust the height with the adjuster of the Seat cabinet.



6

When the screw hole is facing outward with respect to the long hole	Lower the adjuster on the rear side of the Seat cabinet.
When the screw hole is facing inside with respect to the long hole	Lower the adjuster on the inner side of the Seat cabinet.

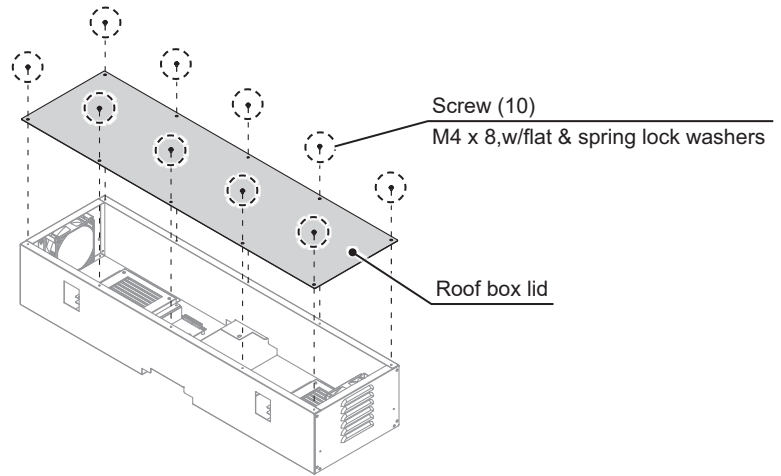
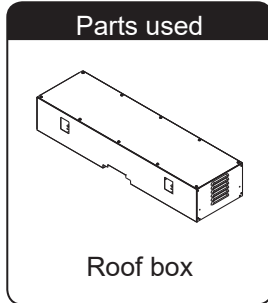


Bottom image

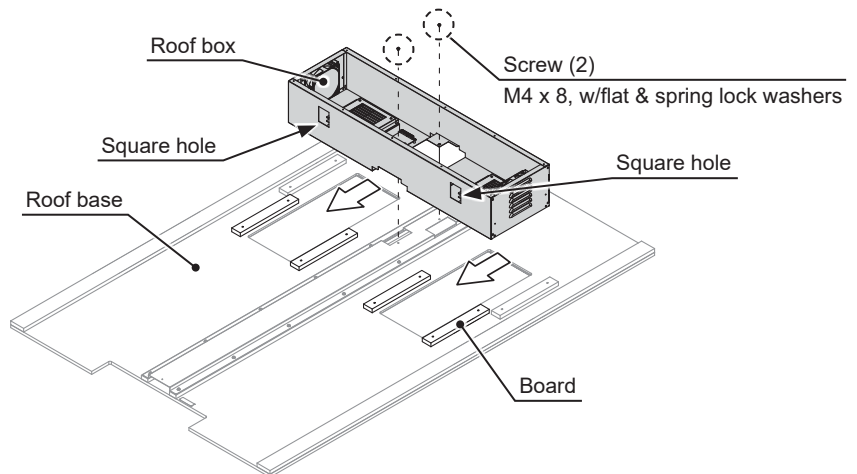
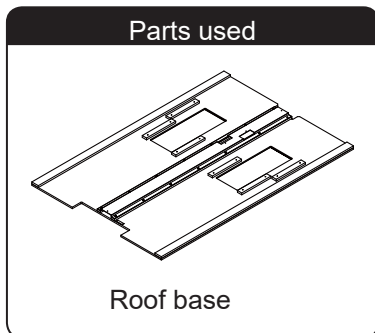
**8** Fully tighten the 16 hexagon head bolts that were loosely fastened in steps 3, 4, 6 and 7.

## 6-5 ASSEMBLING OF THE ROOF

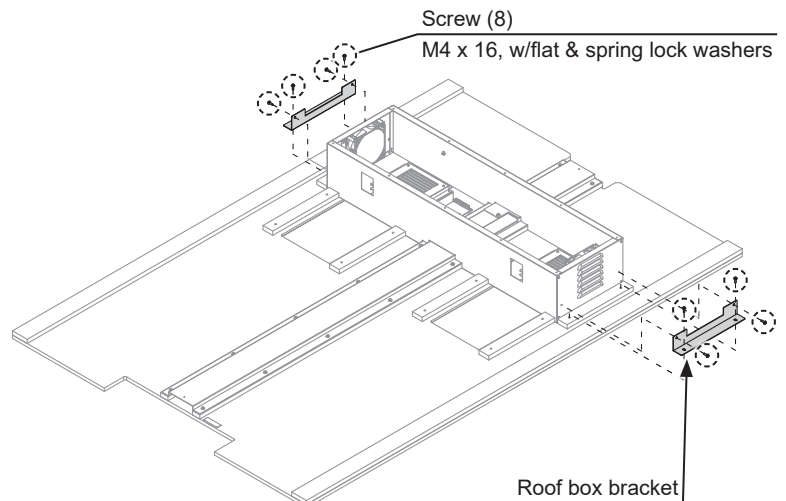
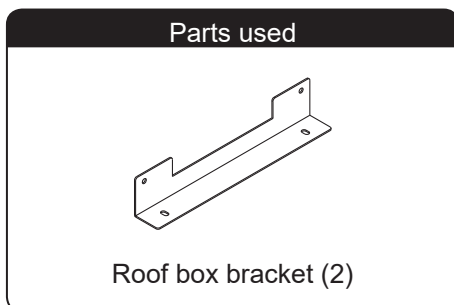
**1** Remove 10 screws and take off Roof box lid of the Roof box.



**2** Attach the Roof box to the Roof base with two screws. When doing this, have the square hole on the board side. Also, adjust the Roof box's position and secure it on the Roof base plate.



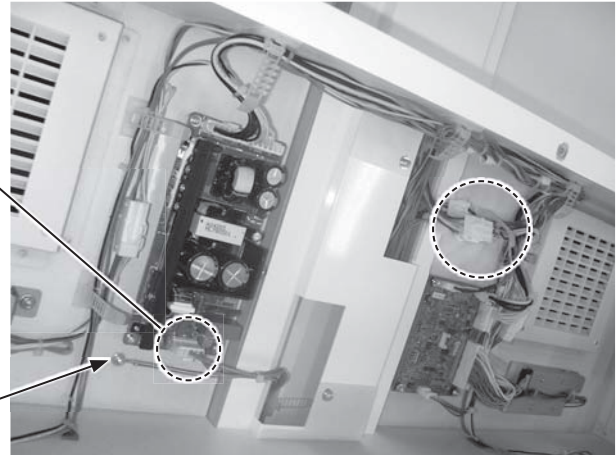
**3** Attach the two Roof box brackets with eight screws.



- 4** Connect four connectors.  
Insert the Earth terminal to the Stud.

Connector (4)  
VH5P, SM5P, YL2P, YL9P

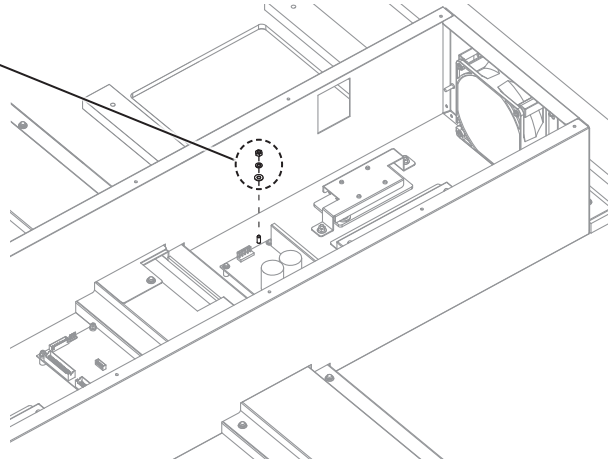
Insert the Earth terminal.



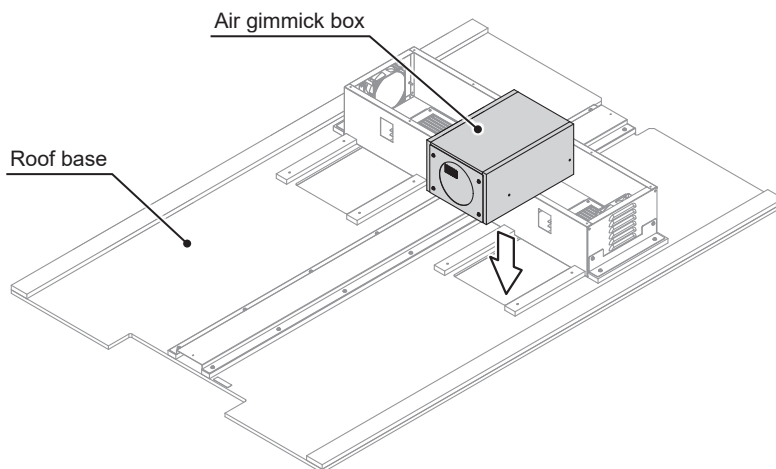
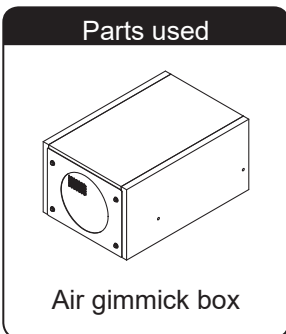
6

- 5** Secure the Earth cable with one hexagon head nut.

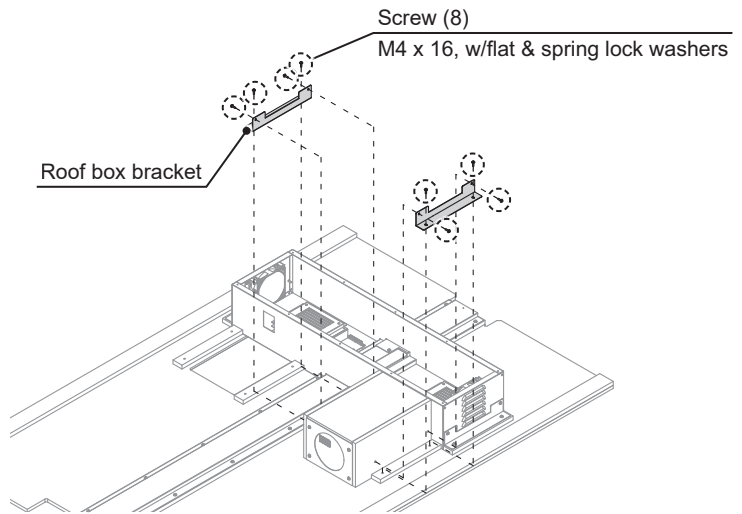
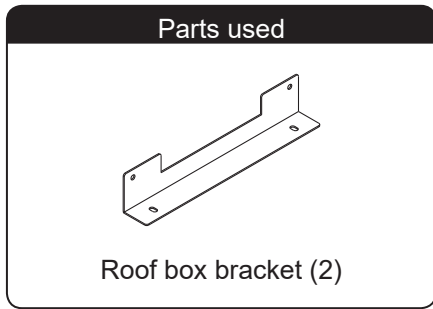
Hexagon head nut (1)  
M4  
Spring washer and Plain washer used



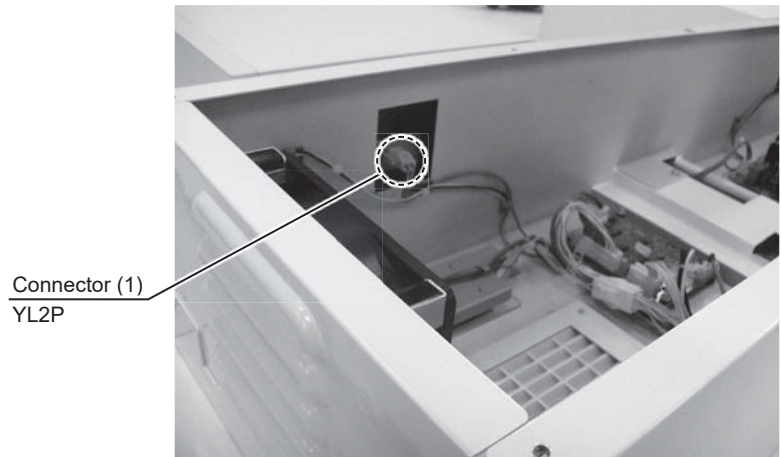
- 6** Place the Air gimmick box on the Roof base.



7 Attach the two Roof box bracket with eight screws.

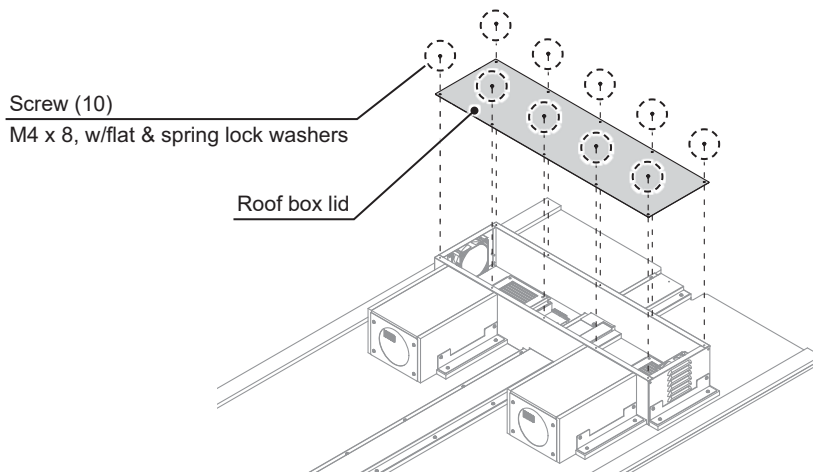


8 Connect the one connector of the Roof box.



9 Refer to steps 6 to 8 and work in the same order to attach the Air gimmick box on the other side as well.

10 Attach the Roof box lid with 10 screws.



## 6-6 ATTACHING OF THE ROOF

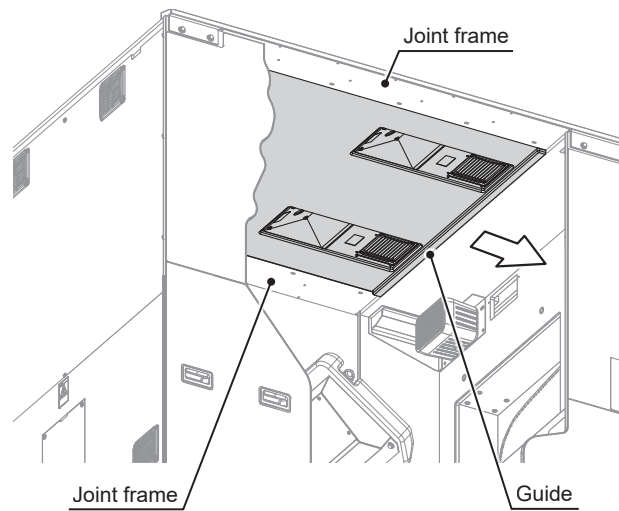
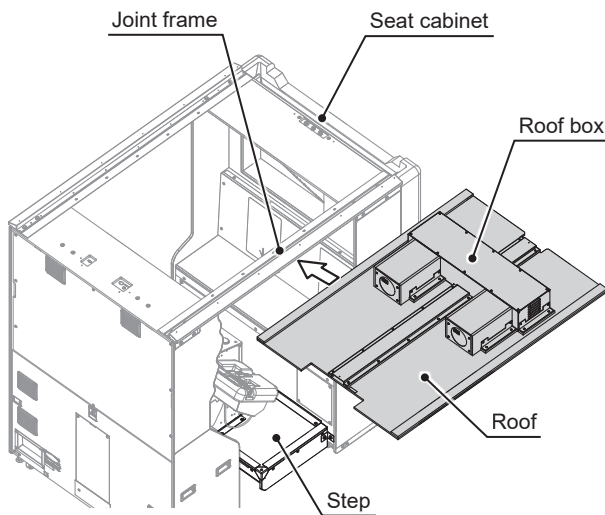
Have four or more workers when performing this task.

**1** Support the Roof that is assembled in "6-5" with four or more people and place it on the Joint frame L and R.

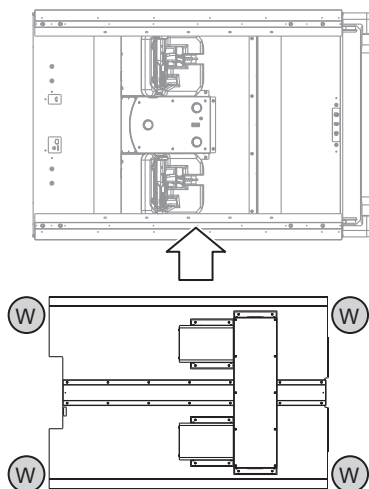
Be careful not to damage the cable by getting it caught.

Also, pay attention to the following items when performing this task.

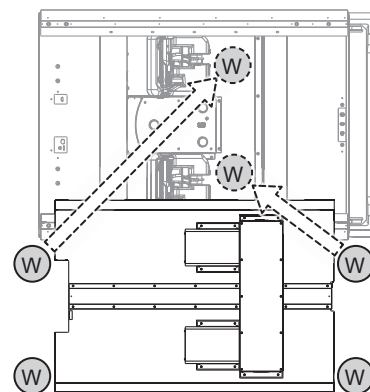
- (1) Check that the Roof box is on the Seat cabinet side.
- (2) Place the Roof on the cabinet from the side.
- (3) Place the Roof on the Joint frame.
- (4) Have two people get on top of the Step and slide the Roof along the top.
- (5) Insert the Roof guide between the Joint frame.
- (6) Move the Roof guide so that it contacts the Seat cabinet.



### Movement of worker



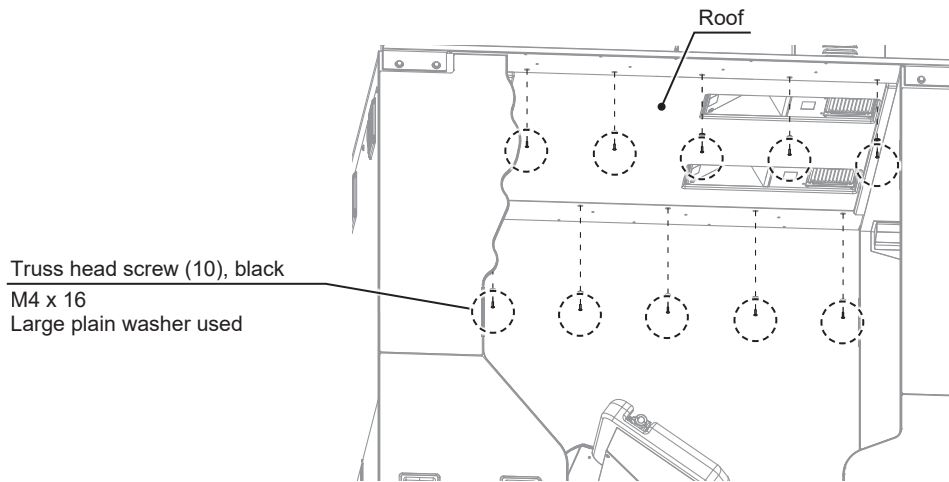
Condition of (1) (2)



Movement from (3) to (4)

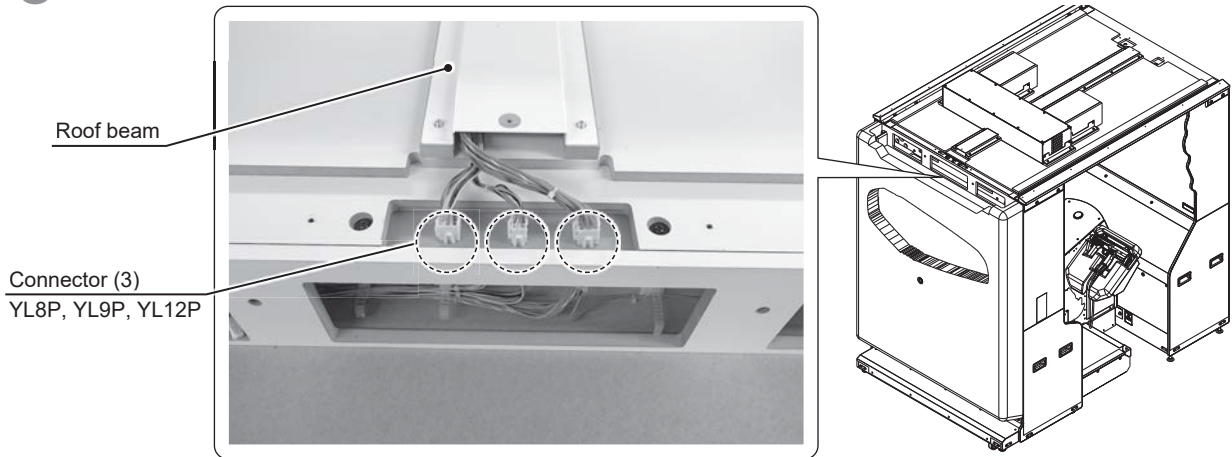


2 Secure the Roof with 10 truss head screws.

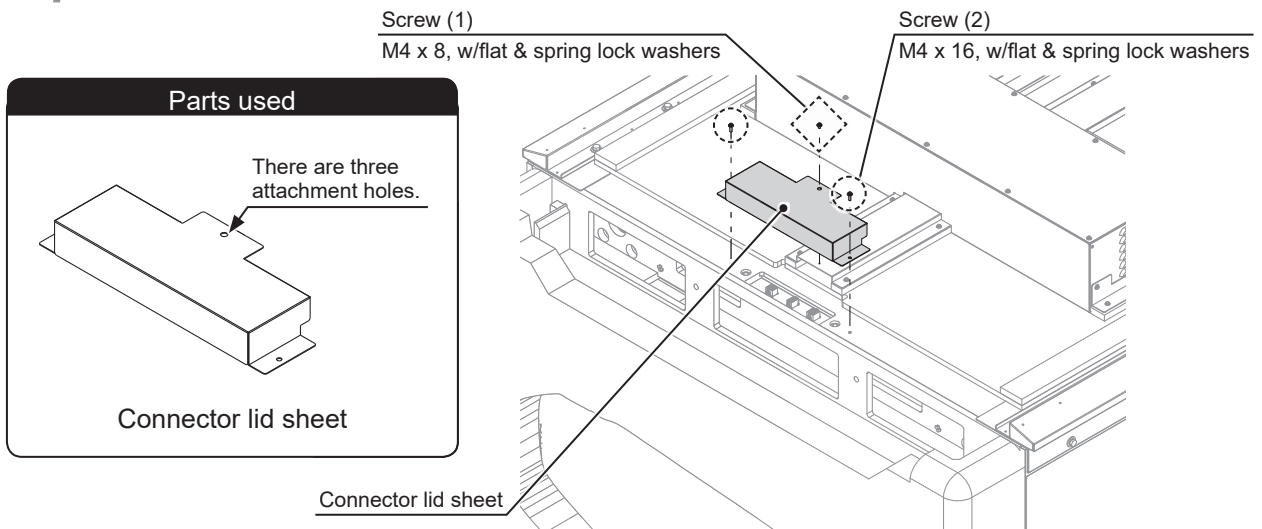


6

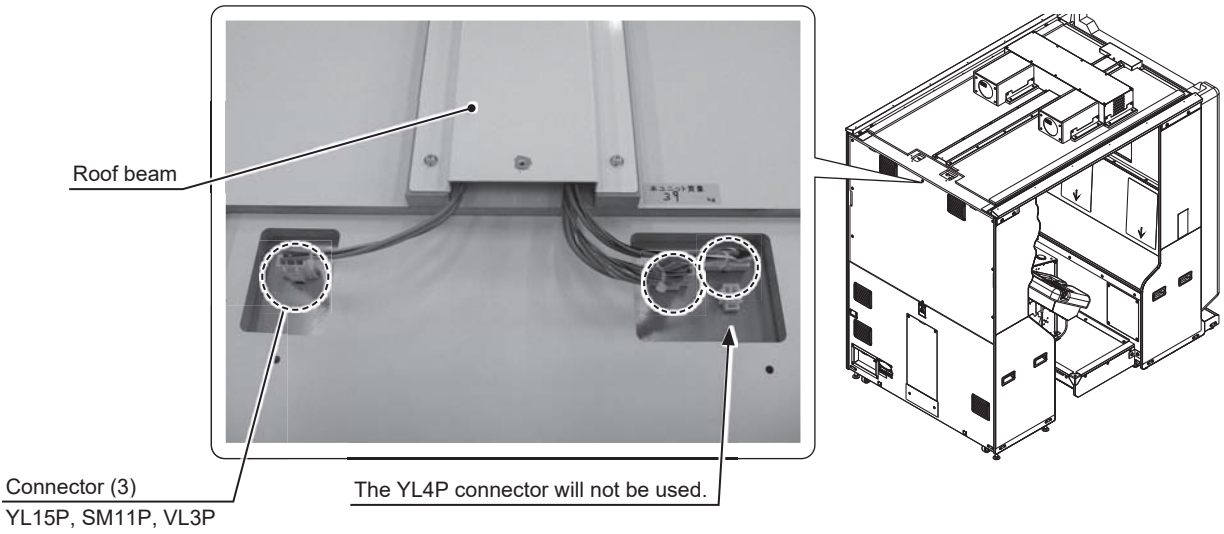
3 Pull out the wires from the Roof beam, and connect three connectors.



4 Attach the Connector lid sheet with three screws.

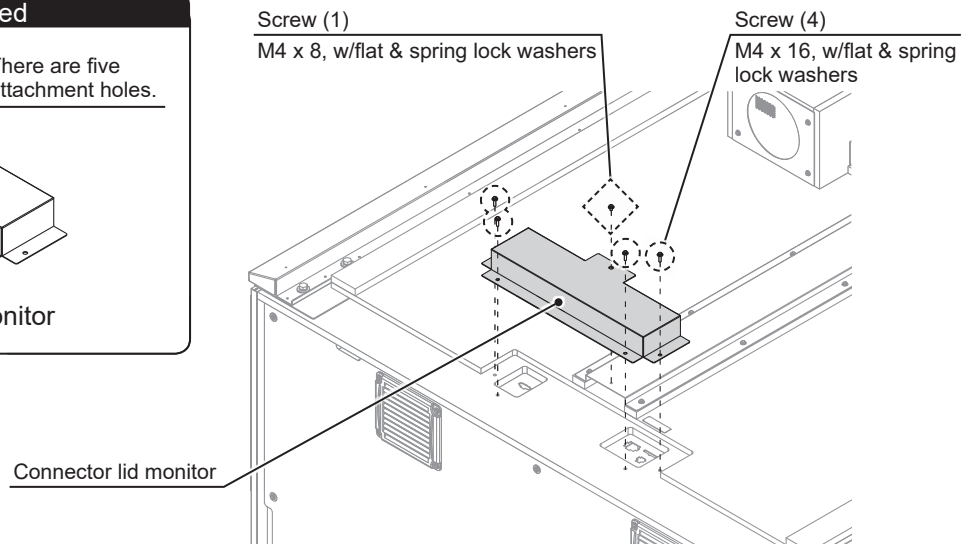
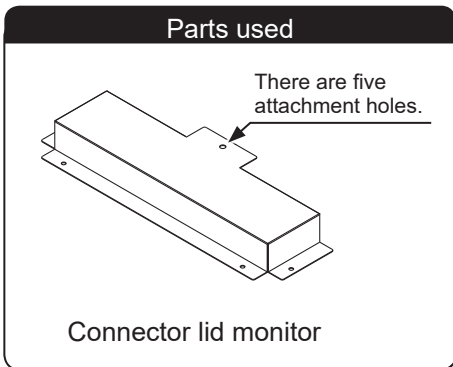


**5** Pull out the wires from the Roof beam, and connect the three connectors.



6

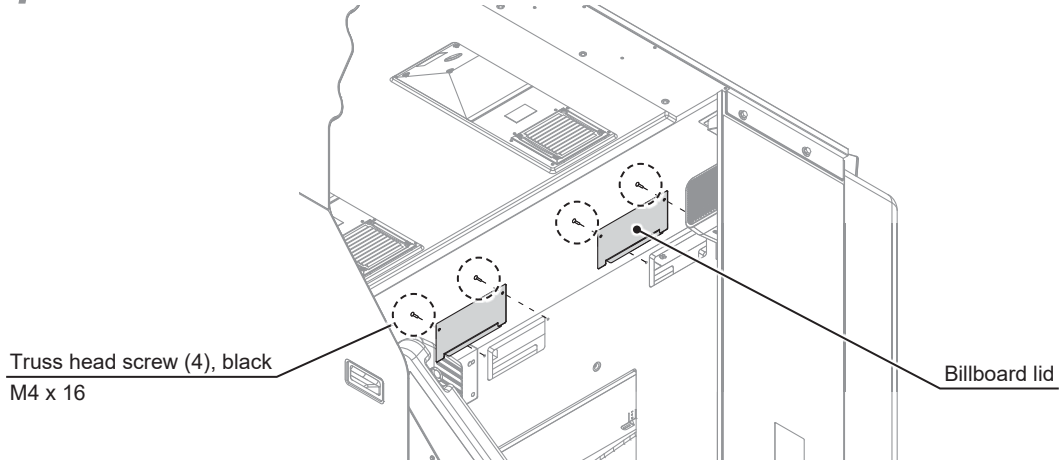
**6** Attach the Connector lid monitor with five screws.



## 6-7 ATTACHING THE BILLBOARD

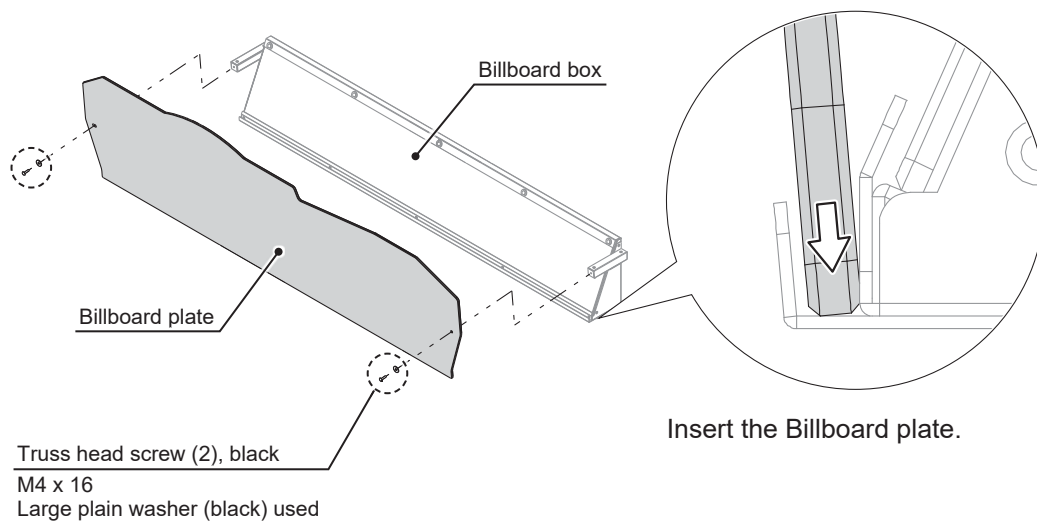
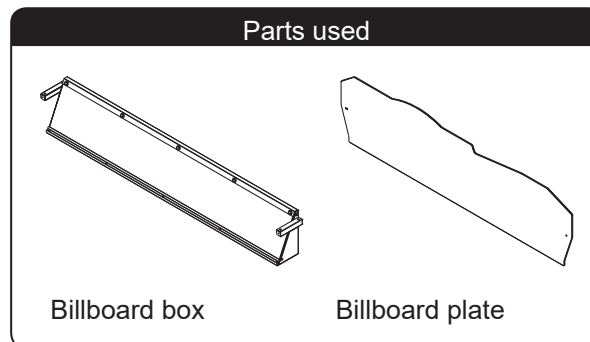
Have two or more workers when performing this task.

- 1 Remove four truss head screws and take off the two Billboard lid.

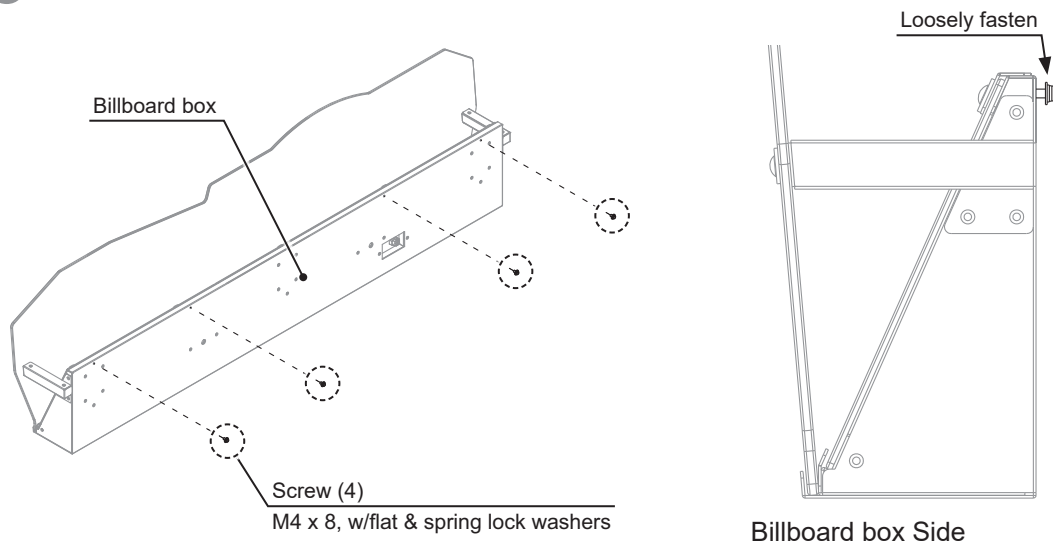


Upper part of the Seat cabinet inside the cabinet

- 2 Insert the Billboard plate to the Billboard box and secure it with two truss head screws.

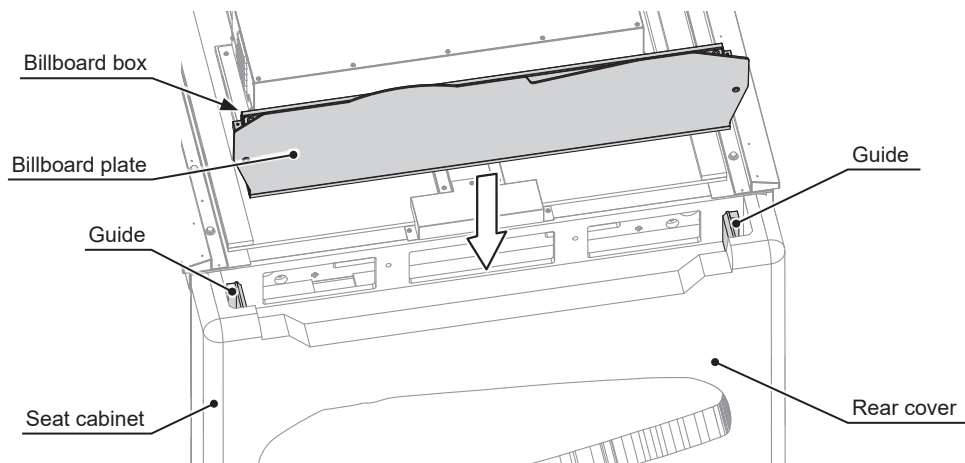


- 3** Loosely fasten four screws on the back of the Billboard box.

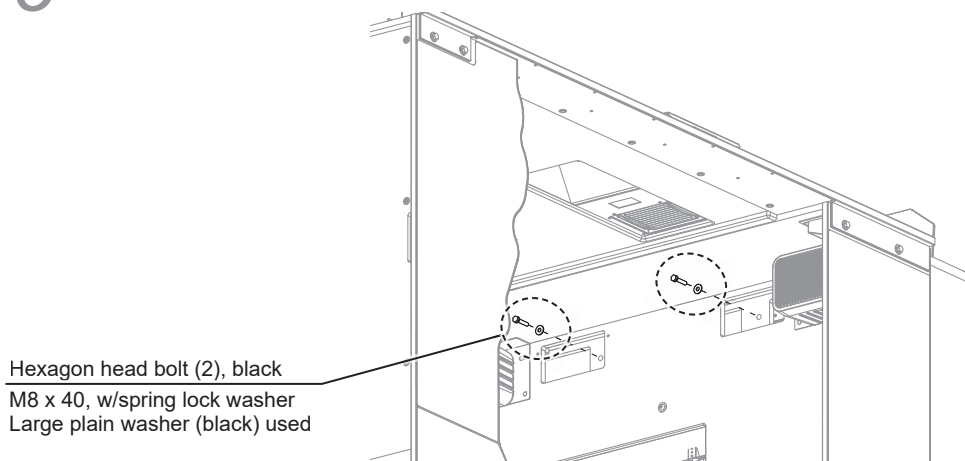


6

- 4** Support the Billboard box with two or more people and place it on the Seat cabinet. Place the Billboard box from the top so that it gets into the Seat cabinet guide. When doing this, be careful not to damage the Rear cover and Billboard plate.

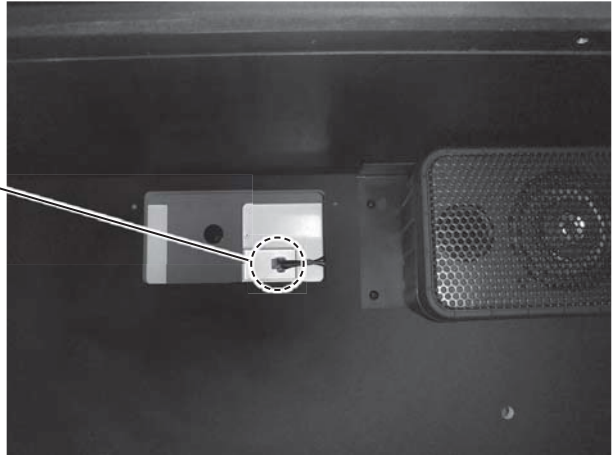


- 5** Secure the Billboard box with two hexagon head bolts.



6 Connect the one connector.

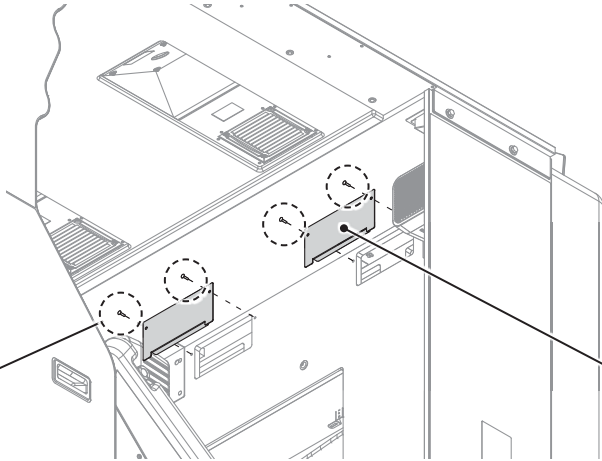
Connector (1)  
YL4P



Right back side of inside the cabinet

7 Attach the two Billboard lid with four truss head screws.

Truss head screw (4), black  
M4 x 16

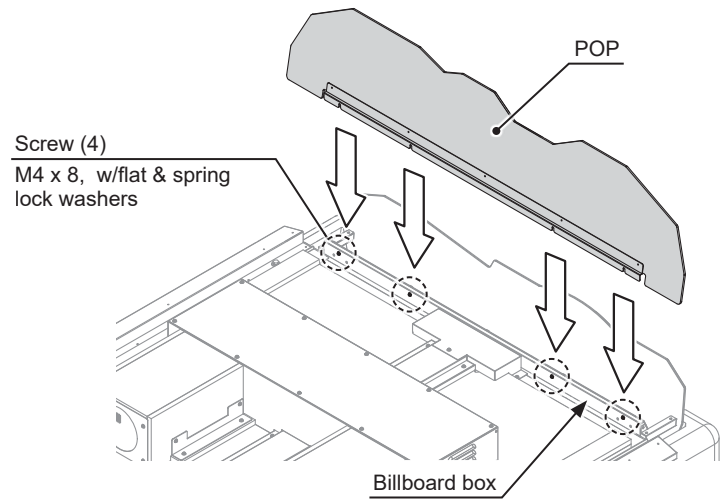
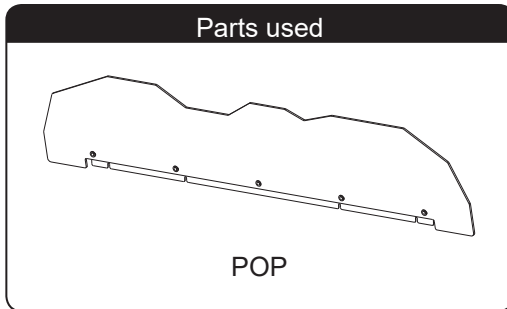


Billboard lid

## 6-8 ATTACHING THE POP DISPLAY

Have two or more workers when performing this task.

- 1 Support the POP with two or more people and insert it to the screws that were loosely fastened to the Billboard box.

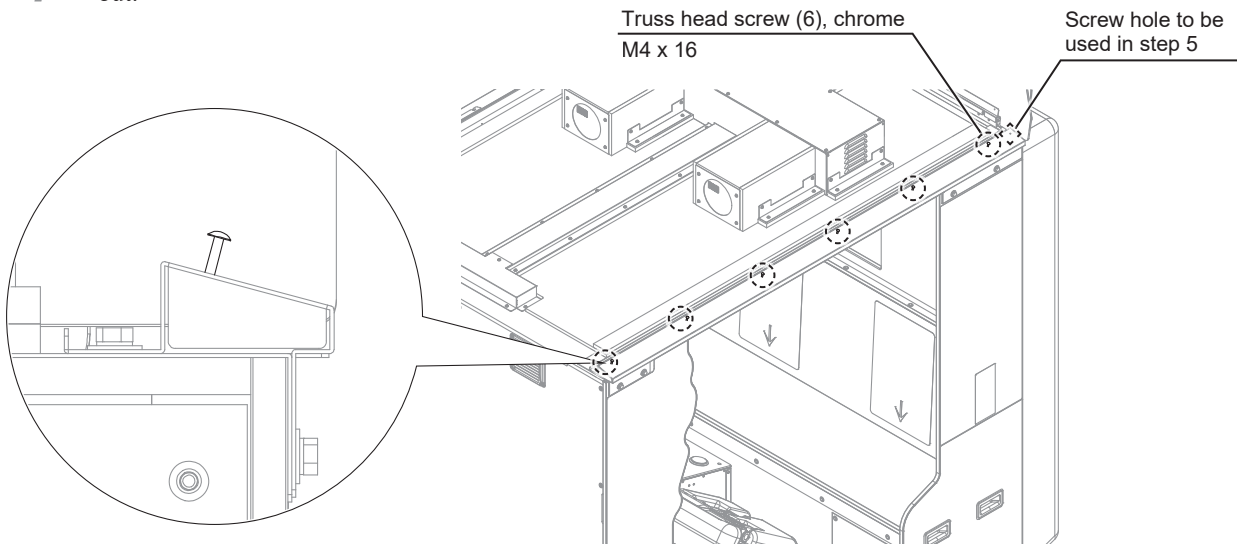


- 2 Fully tighten the four screws on the POP inserted in step 1.

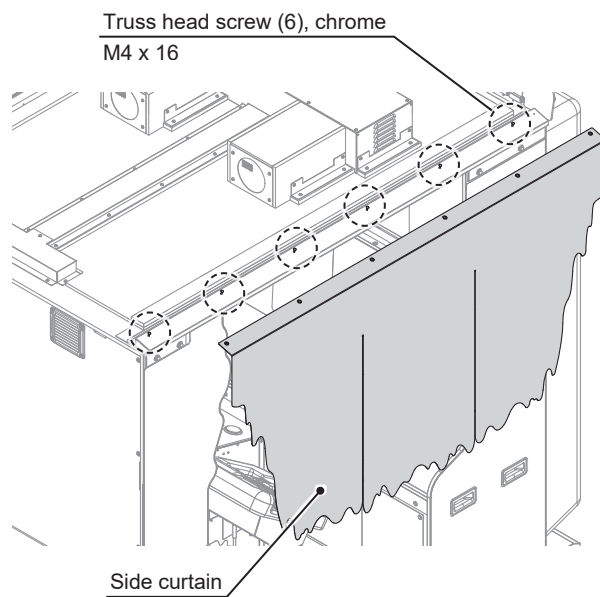
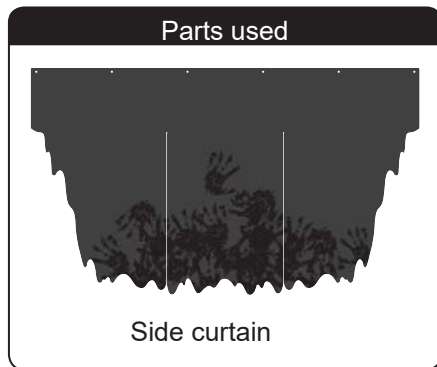
## 6-9 ATTACHING OF THE CURTAIN

Have two or more workers when performing this task.

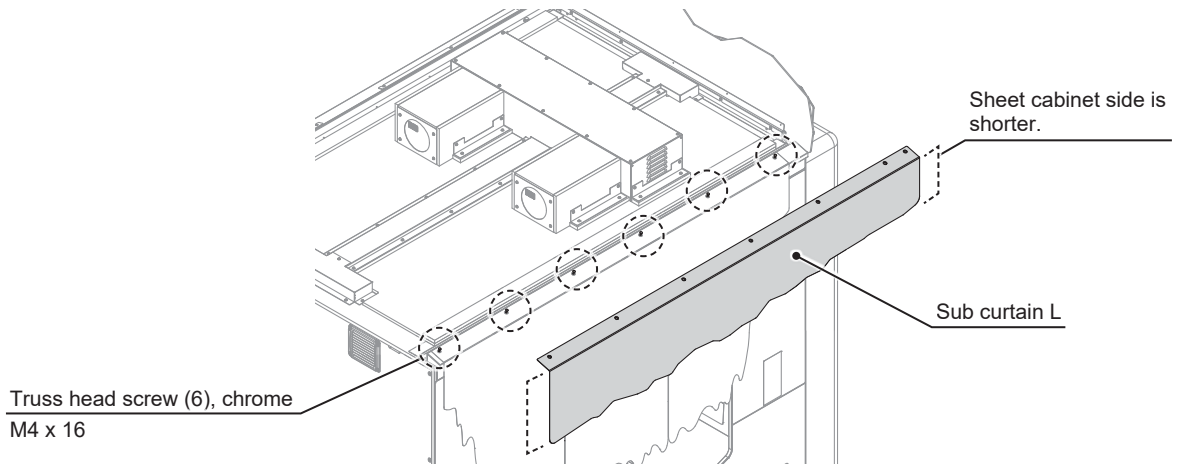
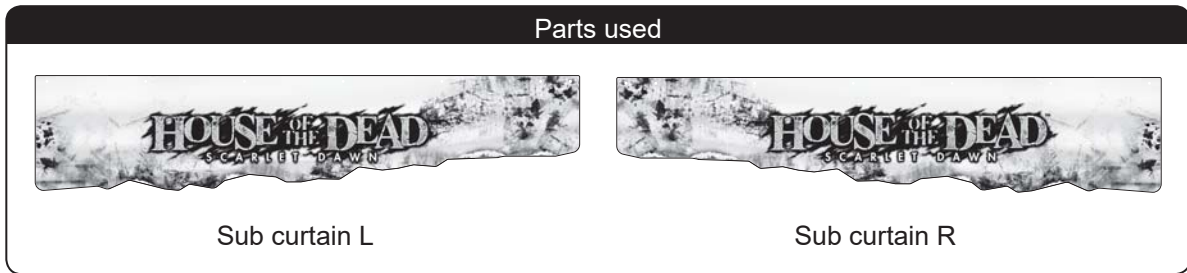
- 1 Loosely fasten six truss head screws to Join frame L. When doing this, leave the truss head screws sticking out.



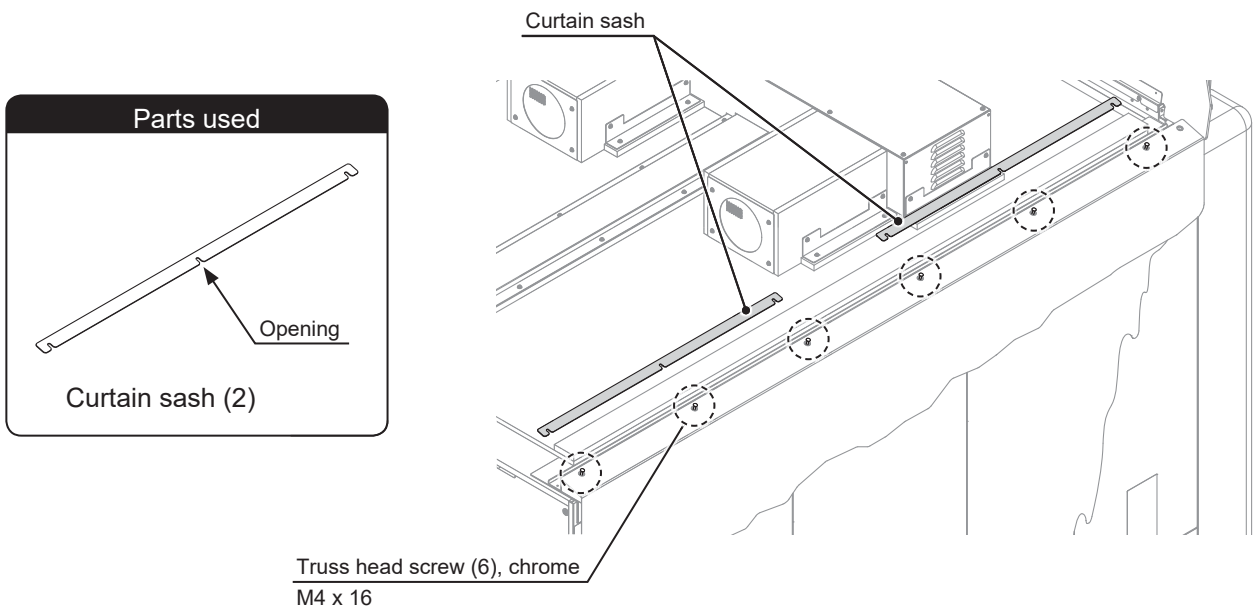
- 2 Hook the Side curtain on the loosely fastened truss head screws.



- 3** Hook the Sub curtain L on the loosely fastened truss head screws. When doing this, ensure that the correct Sub curtain is used.

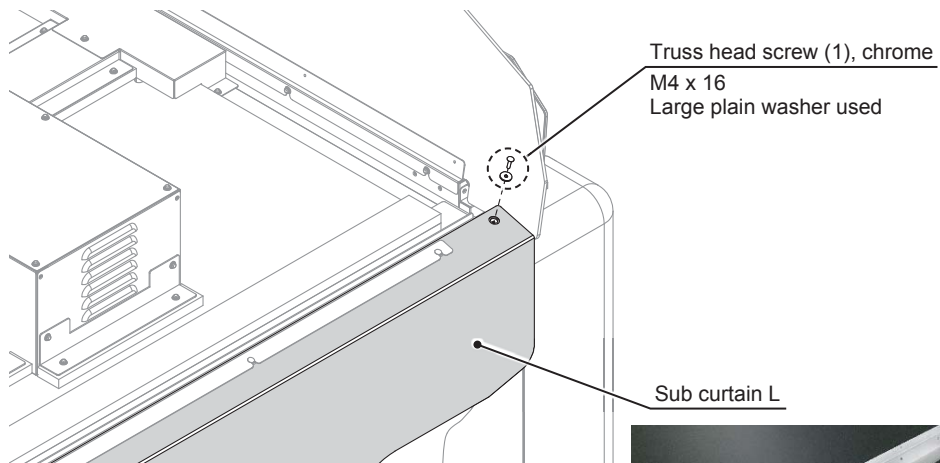


- 4** Hook the two Curtain sashes on the loosely fastened truss head screws and fully tighten the six truss head screws. When doing this, ensure that the openings of the Curtain sashes face outward.





5 Secure the Sub curtain L with one truss head screw.



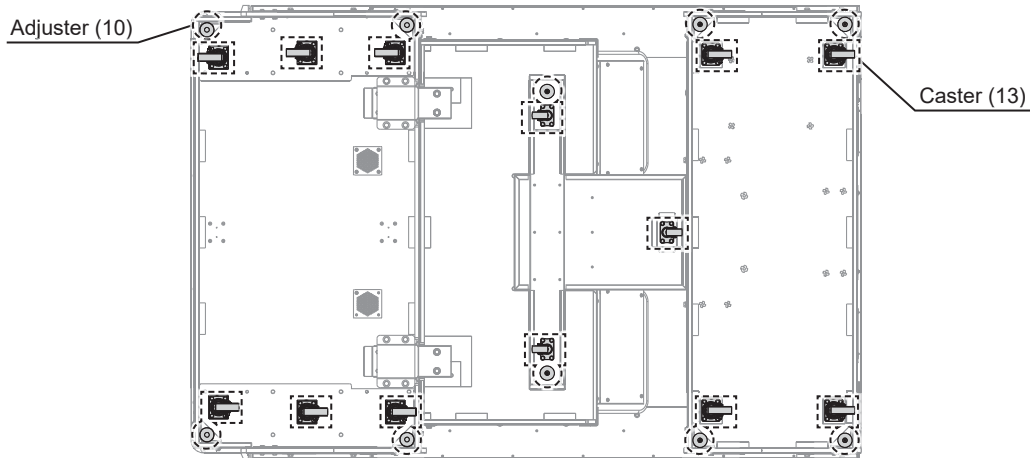
6

6 Refer to steps 1 to 5 and attach the curtain on the other side.

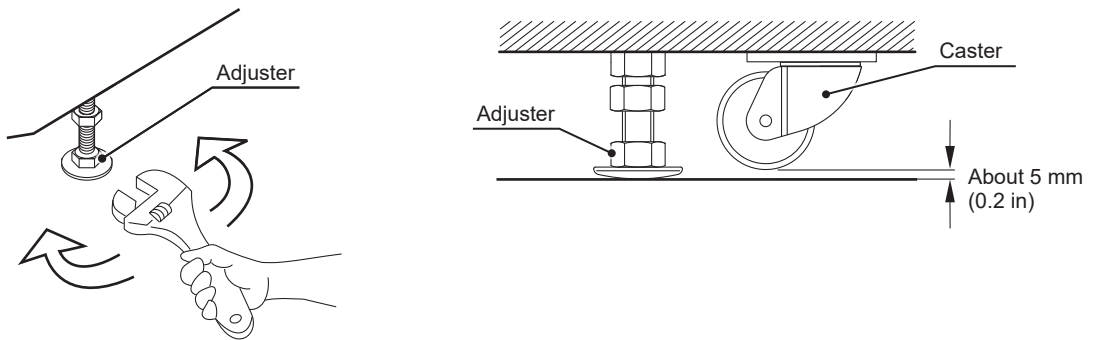


## 6-10 INSTALLING THE CABINET

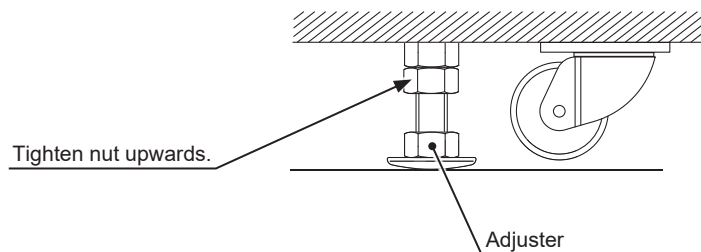
This product has 13 casters and 10 Adjusters.



- 1 Raise all adjusters to have casters contact the floor.
- 2 Move the cabinet to where it will be installed. (See 3-2, Chapter 8.)
- 3 Bring the adjusters into direct contact with the floor. Align the height of the adjusters until the cabinet is perfectly level, while keeping a space of about 5 mm (0.2 in.) between the floor and the casters.



- 4 After setting, turn adjuster nuts upwards to tighten them and secure adjuster heights.



**6-11 CONNECTING THE POWER CABLE AND EARTH** **WARNING**

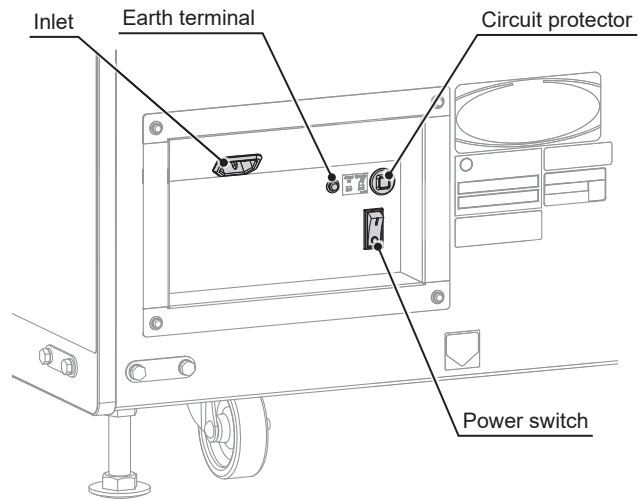
- Check to see if there are any cuts or dents in the power cable. Damaged power cables may cause an electric shock, short circuit or fire.
- Be sure to use an independent power supply equipped with an earth leakage circuit breaker (ELCB). Use of power supply without such a circuit breaker could result in fire if there is a current leakage.
- Have available a securely grounded indoor earth terminal. This product is equipped with an earth terminal. Connect it to an earth terminal in the room with the earth cable. Without proper grounding, customers could be electrocuted and product operations might not always be stable.
- Do not expose the power cable or earth cable. If these cables are exposed, customers could stumble over them, or the cables could be easily damaged. Damaged cables could cause an electric shock or short circuit. Set these cables in a location where they will not interfere with customer traffic, or attach covers to them.
- When using the AC unit's grounding screw and earth terminal, do not perform grounding while the earth cable is exposed. Doing so may cause an electric shock, short circuit or fire. Be sure to ground the cabinet using an M4 round terminal that is rated at 15 A or higher.

**STOP****IMPORTANT**

If grounding has been established with the ground cable inside the power cable, do not perform grounding with the AC unit ground terminal. Conversely, if the AC unit ground terminal has been used for grounding, do not establish ground with the ground cable in the power cable. Otherwise there could be faulty or erroneous operations.

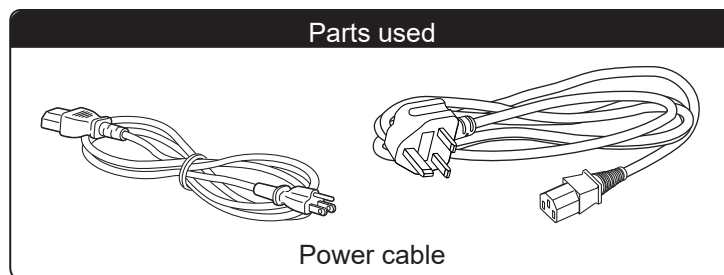
There is a main power switch, circuit protector, earth screw, and inlet to connect the power cord in the AC unit.

- 1 Confirm that the power switch is at OFF.



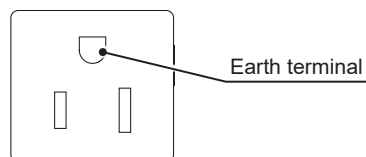
AC unit

- 2 Connect the connector of the power cable to the inlet of the AC unit and the power cable plug to the outlet, firmly.



### When connecting to a power outlet equipped with an earth terminal

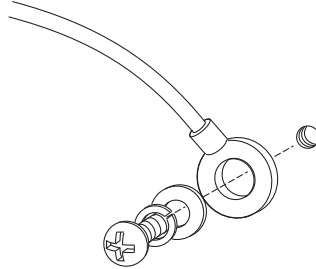
The included power cable has a built-in earth cable. Connect the power cable to the AC unit, and connect the plug of the power cable into "a power outlet equipped with an earth terminal".



Example of a power outlet equipped with an earth terminal

### When using a separately prepared earth cable

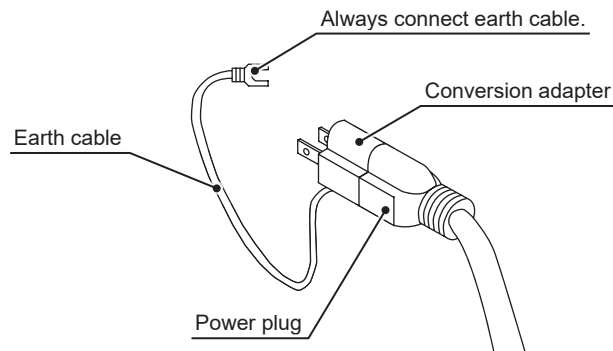
If a "power outlet equipped with an earth terminal" is not available, always connect the earth screw of the AC unit, the earth terminal, or a separately prepared grounding device with an earth cable to be securely grounded. Remove the earth screw of the AC unit, pass it through the round terminal of the earth cable, and then fasten it. Pass screw through a spring washer and flat washer.



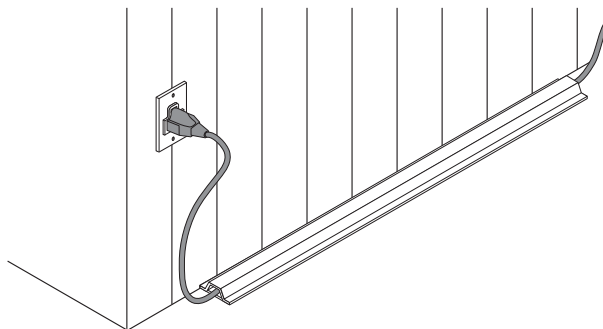
Connection of earth cable

### When using a conversion adapter sold on the market

When using a conversion adapter sold on the market to provide power, connect the adaptor's earth cable terminal to an earth terminal that is securely grounded.



- 3 The power cable is laid out indoors. Protect the power cable by attaching cable cover to it.



## 7 SET UP

### 7-1 SET UP AFTER INSTALLATION

#### 7-1-1 Software settings

**Coin settings in SYSTEM TEST MODE (See "3-5 COIN ASSIGNMENTS " in the ALLS UX W S/B service manual.)**

In "GAME COST SETTING," set the following to the desired value.

<b>Credit(s) to start</b>	Sets the number of credits required to start the game. (Default setting: 1 credit)
<b>Credit(s) to continue</b>	Sets the number of credits required to continue. (Default setting: 1 credit)

7

**Controller aim settings (See "3-6 CONTROLLER ADJUSTMENT" in the Service manual.)**

Adjust the aim settings of the Controller.

**Game assignments (See "3-5 GAME ASSIGNMENTS" in the Service manual.)**

Set various game settings according to operation.

**Speaker volume setting (See "3-7 OUTPUT ADJUSTMENT" in the Service manual.)**

Set speaker volume according to operation.

**System test mode clock setting (See "3-6 CLOCK SETTING" in the ALLS UX W S/B Service manual.)**

Select each item in "Clock setting" and Configure the current year, month, day and time.

This product automatically restarts every day when the cabinet is in operation between 6: 55 a.m. and 7: 00 a.m.  
(See "1-5 AUTOMATIC REBOOTING PROCESS" in the service manual.)

## 7-1-2 Assembling check

### **Speaker / gimmick output device check (See "3-7 OUTPUT ADJUSTMENT" in the Service manual.)**

Check if speakers and gimmick output devices are working properly.

### **Input device check (See "3-3 INPUT TEST" in the Service manual.)**

Check if each input device is connected correctly and working properly.

### **Output device check (See "3-4 OUTPUT TEST", "3-7 OUTPUT ADJUSTMENT" in the Service manual.)**

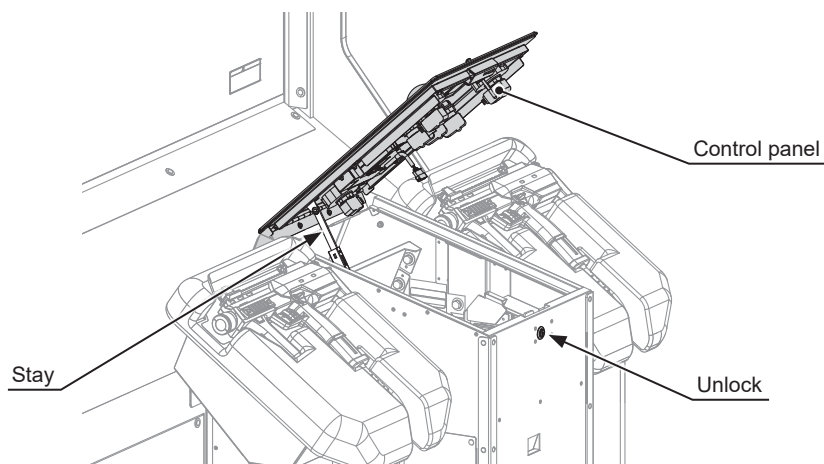
Check if each output device is connected correctly and working properly.

### **Controller check (See "3-6 CONTROLLER ADJUSTMENT" in the Service manual.)**

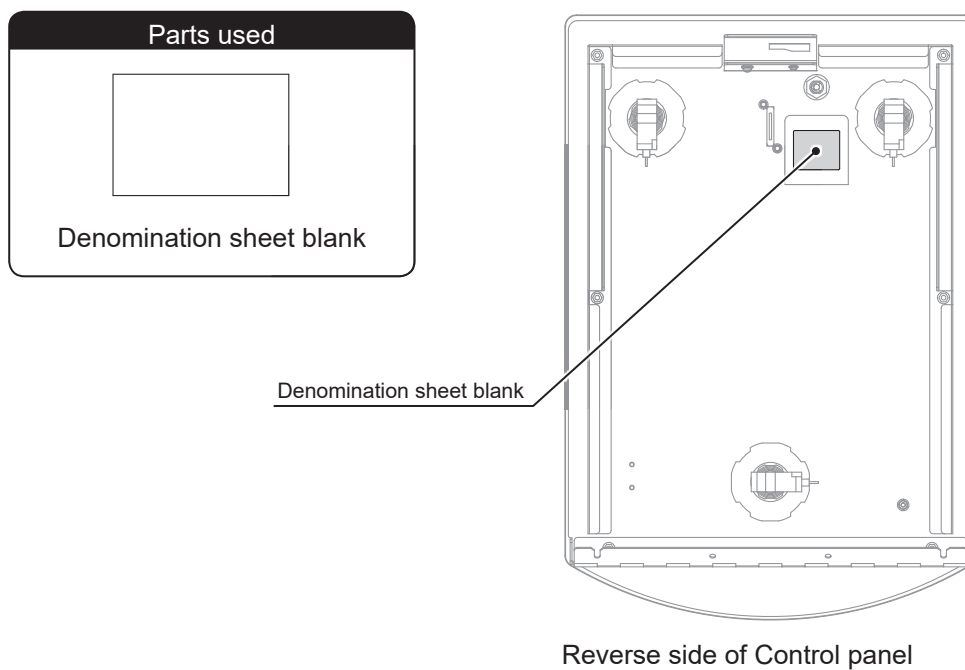
Check if the aim settings of the Controller are properly aligned.

### 7-1-3 Denomination sheet (Play fee display sheet)

- 1 Unlock the control panel with the master key and then open it. When doing this, ensure that the Control panel remains open until the Stay locks into place.



- 2 Peel off the Denomination sheet attached at the time of shipment, and paste the included Denomination sheet with fees listed according to store settings.



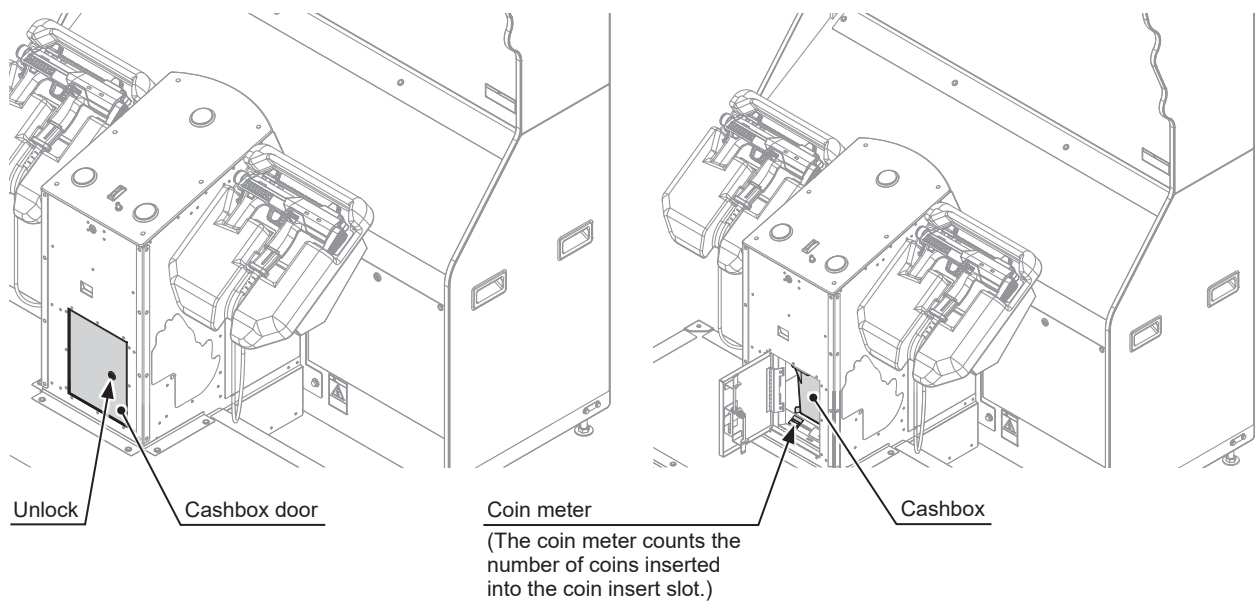
- 3 Close the Control panel and lock it with the master key. When closing the Control panel, lift it up to unlock the Stay, and then close it.



**7-2 DAILY SETUP****Collecting coins from cashbox****STOP IMPORTANT**

Removing the coin meter circuitry renders the game inoperable.

Refer to the steps below to collect coins daily.  
Unlock the cashbox door with a key. Pull out the cashbox.



## 8 PRECAUTIONS WHEN MOVING THE MACHINE

### WARNING

- As used in these instructions, the term "moving" refers to moving of the product within the same building, store or facility. These instructions do not cover moving between different buildings, areas, stores or facilities, since diverse factors are involved, not only packaging but also loading onto transport vehicles, and securing the product in place during transport. To transport the product to a different building or store, contact the office listed in this manual or the point-of-purchase for this product.
- Do not disassemble the unit in ways other than those described in this manual. Doing so can cause accidents such as electric shocks, short circuits, and fires.
- When moving the machine, be sure to pull out the plug from the power supply and take off any external cables (power cable, etc.). Moving the machine with cables connected could cause damage to the cables, which in turn could cause an electric shock or fire.
- When moving the machine on the floor, retract the Adjusters, and ensure that the casters make contact with the floor. Pay careful attention so that the casters do not run over power cable and other cables. Damaging cables can cause an electric shock, short circuit or fire.
- When holding heavy objects, pay special attention to where the object is being held. As much as possible, hold objects by their grips or bottom surfaces. If the object is held by a component of weak material or by an attachment that is not sturdy, the component or attachment could be damaged by the weight of the object, causing the object to drop or fall over, resulting in bodily injuries and/or damages.
- Do not place products where there are surface inclines or level differences. Otherwise the unit could fall over. These units could also move suddenly and cause accidents.

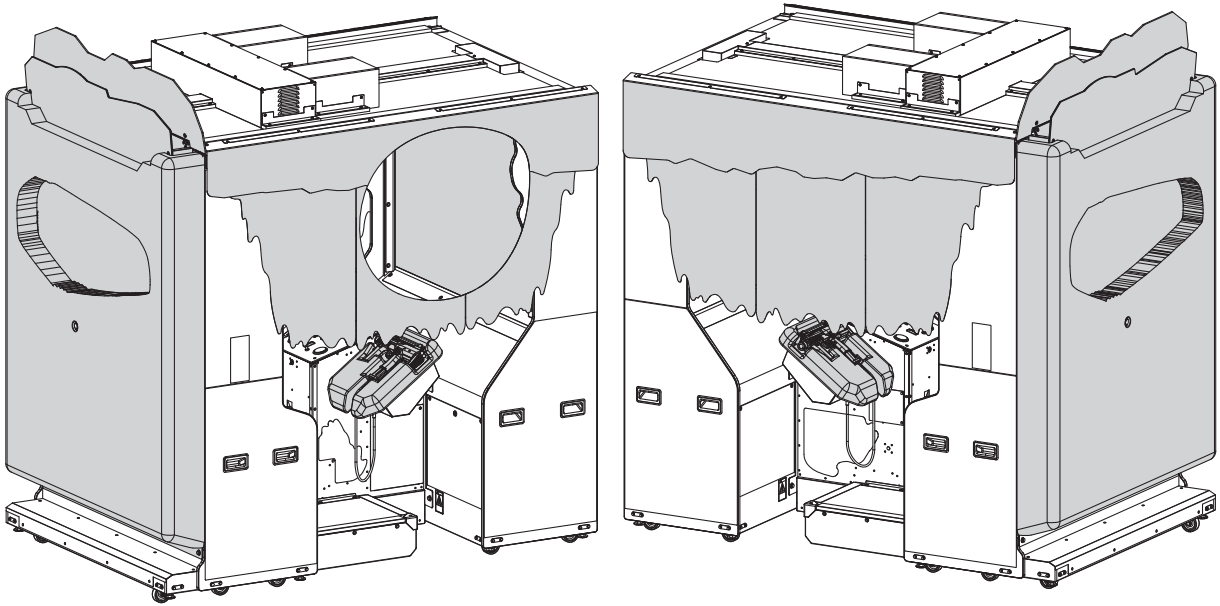
### CAUTION

When moving the cabinet, do not hold or push any parts other than those designated. Careless handling could cause these parts to break, and broken pieces may cause personal injury.

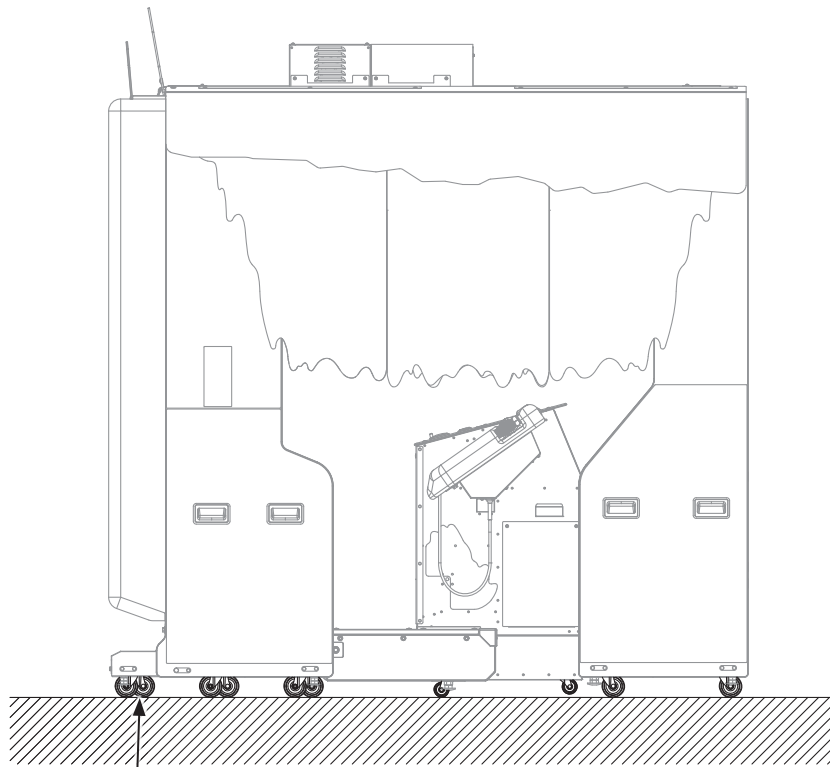
### IMPORTANT

Moving casters over the floor surface can damage the floor, depending on its material. Have available a mat for moving casters over the floor. If there is a rug or carpet on the floor, remove it before moving the unit.

Do not push on the parts in gray.




8



Have the casters contact the floor.

## 9 PERIODIC INSPECTION

In order to maintain the performance of this product and operate it safely, inspect the following items routinely and perform maintenance.

 **WARNING**

- **The handling of internal parts of the product should be carried out by site maintenance personnel or other qualified professionals. Work performed by non-technical personnel can cause a severe accident such as electric shock.**
- **Be sure to check once a year to see whether power cables are damaged, the plug is securely inserted, dust has accumulated between the socket outlet and the power plug, etc. Using the product with accumulated dust can cause an electric shock or fire.**
- **Periodically, around once a year, get in touch with the office listed in this manual or the point-of -purchase for this product regarding internal cleaning. Using the product with accumulated dust in the interior can cause a fire or accident. Note that there will be fees for professional cleaning services.**
- **Over time, there is a danger of an electric shock, short circuit or fire being caused by the deterioration of insulation in electrical and electronic equipment. Check that there are no anomalies such as burning odors.**
- **Do not use a water jet (high pressure washing device) or hose to clean this product. It was not designed to be cleaned by a water jet. Water could get inside and cause an electric shock, short circuit or fire. The product could also be damaged in such a way that it is difficult to repair.**

9

Note: "SM" refers to the Service manual.

### PERIODIC INSPECTION TABLE

PERIOD	ITEMS	DESCRIPTION	REFERENCE
<b>As appropriate</b>	Cabinet surfaces	Cleaning	9-1 (P.64)
	Electric devices	Inspection	Warnings in this chapter
	Monitor mask	Cleaning	11-1-1 (P.70)
<b>Daily</b>	Cabinet	Confirm that Adjusters contact with the floor.	4-1 (P.17), 6-10 (P.53)
		Inspection of openings, gaps, and the door etc. on the front of the cabinet	4-1 (P.17)
	Cashbox	Collecting coins	7-2 (P.60)
<b>Weekly</b>	Step vibrator	Inspection of vibration, abnormal sound	SM3-7
	Seat vibrator	Inspection of vibration, abnormal sound	SM3-7
	Air gimmick	Inspection of output, abnormal sound	SM3-7
	Controller	Inspection of vibration, abnormal sound	SM3-7

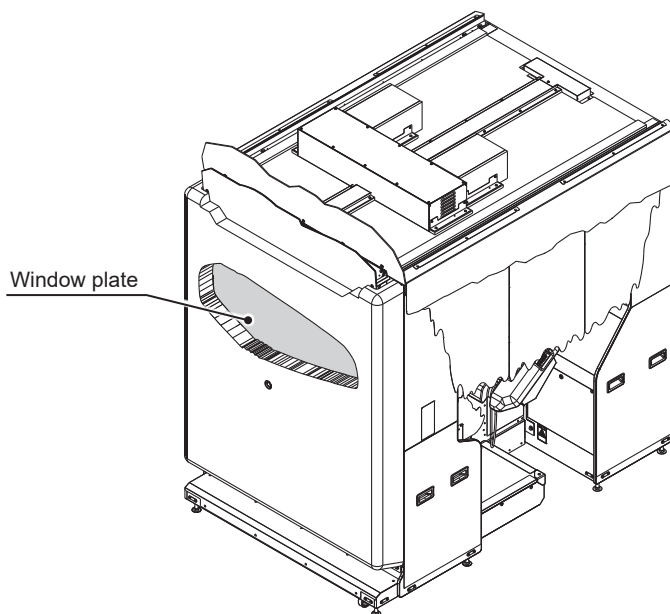
PERIOD	ITEMS	DESCRIPTION	REFERENCE
Monthly	Controller	Inspection of aim settings	SM3-6
	Button switch	Input test	SM3-3
	Motion sensor	Input test	SM3-3
	Coin selector	Coin insertion test	12-1-1 (P.83)
Every three months		Cleaning	12-1-3 (P.85)
	Controller vibrator	Inspection of loose screws	12-3 step 6 (P.92)
Yearly	ALLS UX W S/B	Cleaning	16-2 (P.115)
	Power plug	Inspection, Cleaning	Warnings in this chapter
	Cabinet interior	Cleaning	Warnings in this chapter

## 9-1 CLEANING THE CABINET SURFACE

9

When the cabinet surfaces become dirty, remove stains with a soft cloth soaked in water or diluted (with water) chemical detergent and then wrung dry. To avoid damaging the finish, do not use such solvents as thinner, benzene, etc. (other than ethyl alcohol) or abrasives (bleaching agent and chemical dust-cloth).

Some general-purpose household, kitchen, and furniture cleaning products may contain strong solvents that degrade plastic parts, coatings, and print. Before using any cleaning product, read the product's cautionary notes carefully and test the product first on a small area that is not highly visible.



## 10 TROUBLESHOOTING

### WARNING

- This work should be performed by site maintenance personnel or other qualified professionals. If there is no site maintenance personnel or other qualified professionals available, turn the power OFF immediately, and contact the office listed in this manual or the point-of-purchase for this product.
- If problems other than those covered in this manual arise, or if no improvement can be noted after the troubleshooting steps given in this manual have been taken, do not take any measures indiscriminately. Cut off the power immediately and contact the office listed in this manual or the point-of-purchase for this product. Indiscriminate countermeasures could lead to unforeseeable accidents or result in permanent damages.
- If a circuit protector is activated, resolve the root cause of the problem before re-engaging the circuit breaker. If the unit is used before the root cause is resolved there could be excessive heat generation or a fire depending on the root cause.

### IMPORTANT

- If an error occurs, identify and resolve the root cause of the problem before starting operation again. If left alone and operation is resumed, it could cause more frequent errors or damage critical parts. (See "Chapter 5 ERROR MESSAGES" in the Service manual.)
- Static electricity from your body may damage some electronic devices on the IC boards. Before handling the IC boards, touch a grounded metallic surface so that any static electricity is discharged.
- If you receive an error number or message not listed in the Service manual, stop using the product and contact the office listed in this manual or the point-of-purchase for this product.

If a problem occurs, first check the connections of the connectors. (See Chapter 19.)

Notes:

- "SM" refers to the Service manual.
- "ALLS" refers to the ALLS UX W S/B Service manual.

#### TROUBLESHOOTING TABLE

PROBLEMS	CAUSE	COUNTERMEASURES
With power switch ON, no activation.	Power is not supplied.	Insert the power plug all the way into the outlet. [See 6-11 (P.54).]
	Power supply/voltage is not correct.	Provide correct power supply voltage. [See 1-1 (P.1), 3-1 (P.14).]
	The circuit protector functioned due to the momentary overload.	Eliminate the cause of the high load and re-engage the circuit protector in the AC unit. [See below (P.68).]

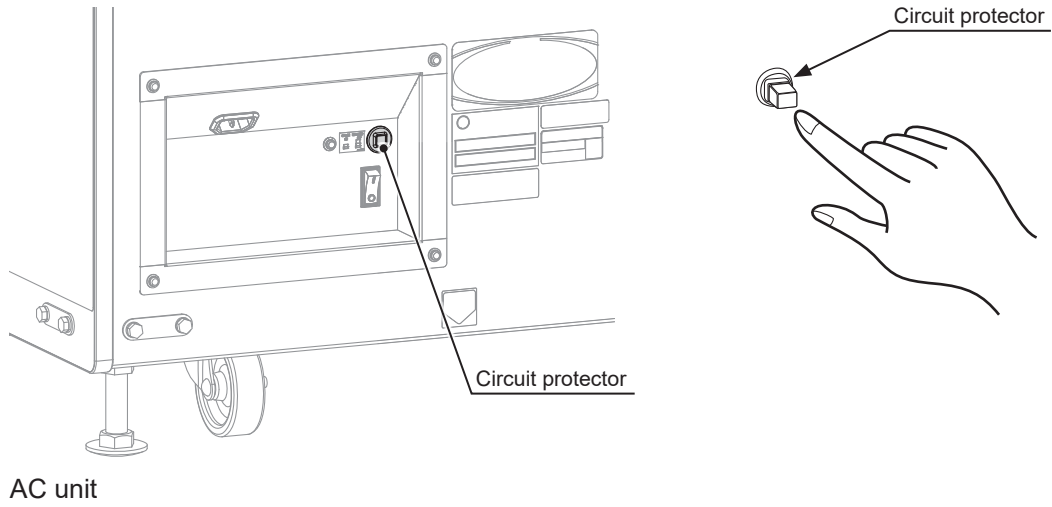
PROBLEMS	CAUSE	COUNTERMEASURES
<b>The ALLS logo remains and the advertise mode screen does not appear. (ERROR displayed)</b>	ALLS UX W S/B setting is faulty or malfunctioning	Refer to the ALLS UX W S/B Service manual. (See ALLS "Chapter 4 ERROR DISPLAY".)
<b>There is no sound.</b>	The Volume adjustment in Test mode is not set properly.	Check if volume is set properly in Test mode. (See SM "3-7 OUTPUT ADJUSTMENT".)
	Settings are incorrect.	Check the sound output settings for Advertising Mode (awaiting customers). (See SM "3-7 OUTPUT ADJUSTMENT".)
	ALLS UX W S/B, Amplifier and speaker malfunctioning.	Check if sound is emitted in the Output adjustment screen. (See SM "3-7 OUTPUTADJUSTMENT".) If there is an abnormality,contact the office listed in this manual,or the point-of-purchase for this product.
<b>Sound is emitted but no image appears on the monitor.</b>	LCD Monitor malfunctioning.	Replace the LCD. [See 11-1-2 (P.71).]
	ALLS UX W S/B malfunctioning	Replace the ALLS UX W S/B. [See 16-3 (P.117).]
<b>LED lamps do not light up.</b>	LED lamp malfunctioning	Contact the office listed in this manual or the point-of-purchase for this product.
<b>Motion sensor is not functioning properly.</b>	Dirty Window plate	Clean the Window plate. [See 9-1 (P.64).]
	Motion sensor malfunctioning	Contact the office listed in this manual or the point-of-purchase for this product.
<b>Seat vibrator does not vibrate or emits abnormal sound.</b>	Settings are incorrect.	Check if the Seat vibrator is set properly in Test mode. (See SM "3-7 OUTPUT ADJUSTMENT".)
	Fastening problem	Disassemble the unit and check if there is a problem with the screws. [See 13-1 (P.100).]
	Vibrator malfunctioning	Replace the Vibrator. [See 13-1 (P.100).]
<b>Step vibrator does not vibrate or emits abnormal sound.</b>	Settings are incorrect.	Check if the Step vibrator is set properly in Test mode. (See SM "3-7 OUTPUT ADJUSTMENT".)
	Fastening problem	Disassemble the unit and check if there is a problem with the screws. [See 13-2 (P.103).]
	Vibrator malfunctioning	Replace the Vibrator. [See 13-2 (P.103).]

PROBLEMS	CAUSE	COUNTERMEASURES
<b>Air gimmick does not emit air or emits abnormal sound.</b>	Settings are incorrect.	Check if the output strength is set correctly in Test mode. (See SM "3-7 OUTPUT ADJUSTMENT".)
	Fastening problem	Disassemble the unit and check if there is a problem with the screws.
	Foreign matter obstruction	Take off the Air gimmick panel and remove the foreign matter. [See Chapter 15 (P.109).]
	Air gimmick speaker malfunctioning	Replace the Air gimmick speaker. [See Chapter 15 (P.109).]
<b>Controller does not vibrate or emits abnormal sound.</b>	Settings are incorrect.	Check if the vibration settings are set correctly in Test mode. (See SM "3-7 OUTPUT ADJUSTMENT".)
	Fastening problem	Disassemble the unit and check if there is a problem with the screws.
	Controller vibrator malfunctioning	Replace the Controller vibrator. [See 12-3 (P.90).]
<b>Controller does not function properly.</b>	Microswitch trouble.	Check if the Microswitches switch ON and OFF in the INPUT TEST. If not, replace the faulty microswitches. [See 12-4 (P.93), SM "3-3 INPUT TEST".]
	Sensor LED board malfunctioning	Check if the LED lights up. If not, replace it. [See 11-2 (P.74).]
	Sensor unit malfunctioning.	Replace the sensor unit. [See 12-5 (P.95).]
	Controller cable is cut.	Replace the Controller cable. [See 12-6 (P.96).]
<b>Controller aim is not aligned.</b>	Aims are not aligned due to changes in the surrounding environment.	Adjust the aim in Test mode. (See SM "3-6 CONTROLLER ADJUSTMENT".)
	Dirt on Sensor unit front, Monitor mask	Clean the Sensor unit front, Monitor mask. [See 11-1-1 (P.70).]
	Sensor LED board malfunctioning	Check that the LED is on, and replace it if it is off. [See 11-2 (P.74).]
	Sensor unit malfunctioning.	Replace the sensor unit. [See 12-5 (P.95).]
<b>Buttons do not respond as intended.</b>	The switch at the base of the button is faulty.	Replace the switch. [See 12-7 (P.98).]
<b>There is a problem with coin insertion.</b>	Coin selector malfunctioning	Replace the Coin selector. [See 12-1-2 (P.84).]



## Circuit protector

Functions due to the activation of bimetal. To restore the function, wait for approximately one minute or longer until the bimetal cools off. (Press the button.)



# 11 MONITOR CABINET

## 11-1 LCD

### WARNING

- Using the product under the following conditions may lead to a fire or electric shock. Unplug immediately and contact the point-of-purchase or the office listed in this manual.:
  - If the LCD is emitting smoke or an odd smell
  - If nothing is displayed on screen
  - If water or foreign objects have gotten inside of the LCD
  - If the monitor has been dropped or the cabinet has been damaged
- Do not attempt to repair, remodel, or disassemble the LCD. The LCD contains high-voltage parts and attempting the above actions may cause a fire or electric shock. Contact the office listed in this manual or the point-of-purchase for this product to request inspection, adjustment, or repair services.
- Do not allow foreign objects to get inside the cabinet. If metal or paper objects enter the cabinet through the air vents, they may cause an electric shock, short circuit or fire.

11

### CAUTION

- Do not tap or strike the surface of the LCD, as doing so may break the glass and cause injury.
- If the glass breaks and the liquid crystal leaks out, do not touch the liquid. The liquid can cause damage if it comes into contact with eyes or skin. Any leaked liquid should be dealt with as follows.
  - Should the liquid crystal come into contact with eyes or skin, wash the affected area thoroughly with clean water and immediately consult a physician.
  - If the liquid crystal comes into contact with clothing, immediately wash it off with clean water.
  - If it comes into contact with any equipment other than this product, wipe it off without touching it directly.
- Do not operate the product when the screen is flickering, distorted, or experiencing other abnormalities. Images from an improperly adjusted screen could cause players and other customers to experience dizziness, headaches, and other ailments.

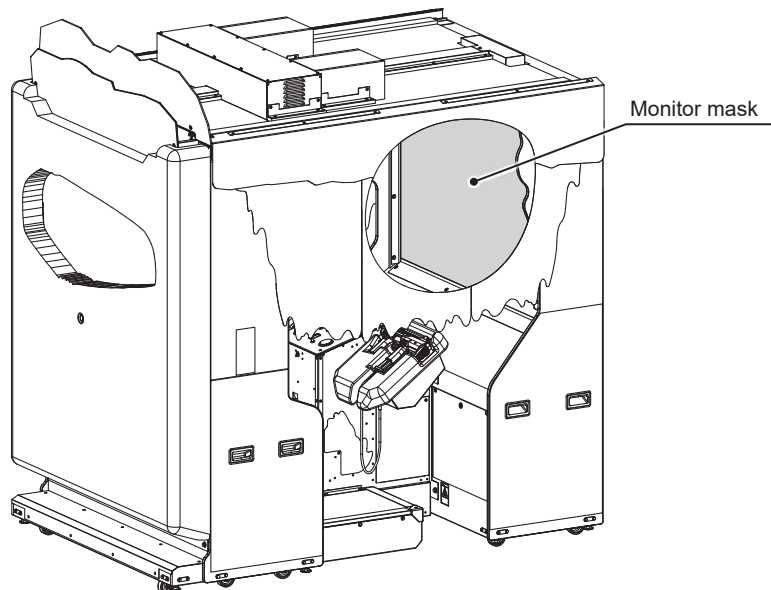
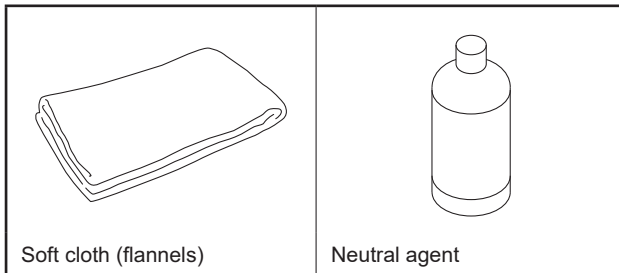
### 11-1-1 Cleaning the monitor mask

## STOP IMPORTANT

- Remove smears by using a dry, soft cloth (e.g. flannels). Do not use abrasive materials.
- When the surface become dirty, remove stains with a soft cloth soaked in water or diluted (with water) chemical detergent and then wrung dry.  
When using chemical detergent, be sure to follow instructions below:
  - Dilute chemical detergents with water. Dip a soft cloth in the diluted chemical detergent and thoroughly wring out the cloth prior to using it.
  - Do not use a chemical detergent containing an abrasive powder or bleaching agent.
  - Do not use solvents such as acidic or alkaline detergents, thinners, or alcohol (ethanol).
- Do not rub or scratch the face of the touch screen with hard items such as scrub brushes.

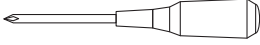
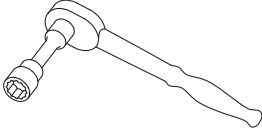
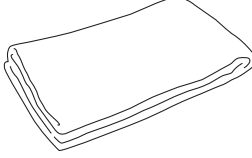
11

#### Tools necessary for work



## 11-1-2 Replacing the LCD

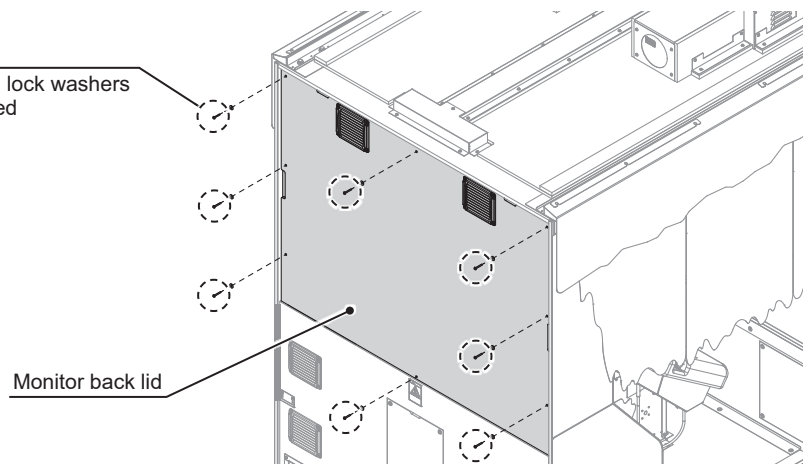
### Tools necessary for work

 <p>Phillips screwdriver (For M4)</p>	 <p>Sockets for hexagon head bolts and nut (WAF 10 mm [For M6])</p>	 <p>Protective material (Blanket)</p>
--	--	---

**1** Turn OFF the power switch.

**2** Remove eight screws and take off the Monitor back lid.

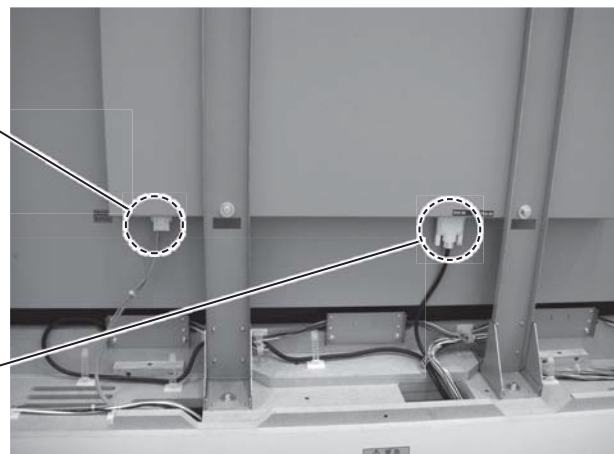
Screw (8)  
M4 x 35, w/flat & spring lock washers  
Large plain washer used



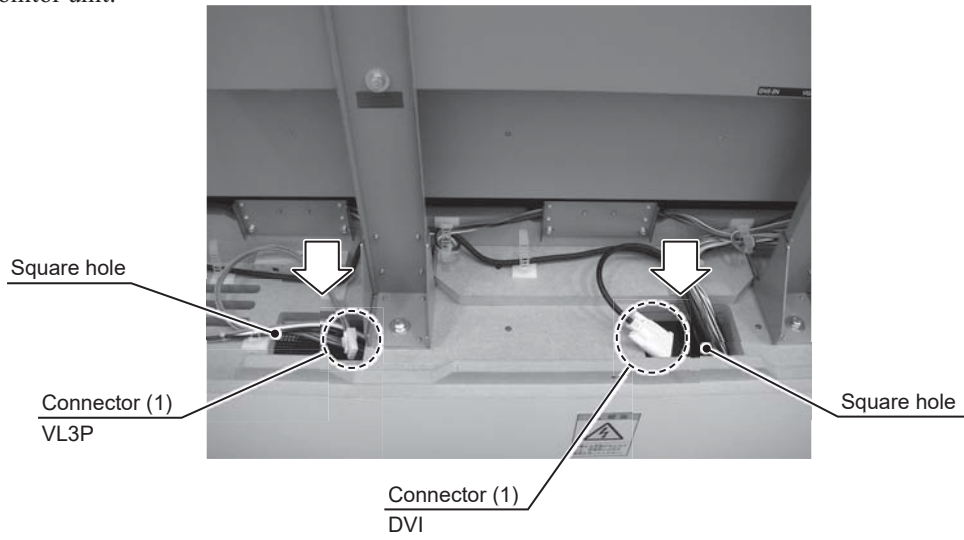
**3** Disconnect two connectors. When disconnecting the DVI connector, loosen the fixing screws first.

Connector (1)  
VL3P

Connector (1)  
DVI

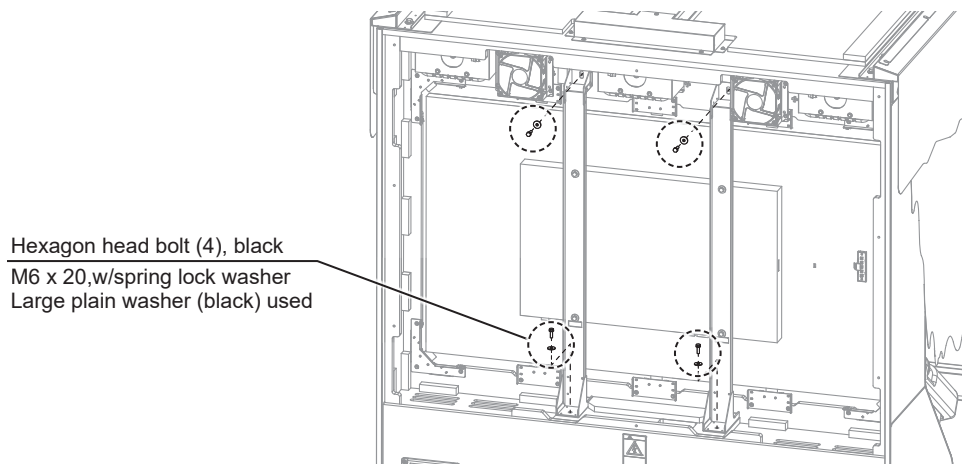


- 
- 4 Put the two connectors into the square hole so that the cables do not get caught when attaching the Monitor unit.

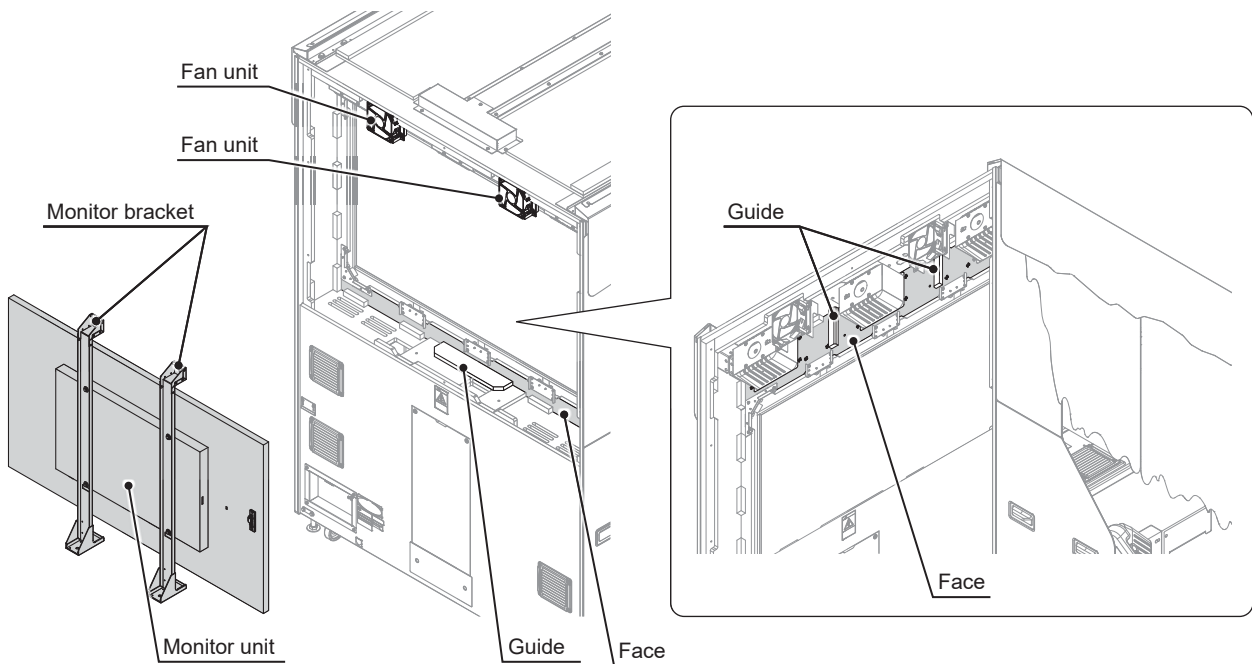


- 
- 5 Lay protective material on the floor.

- 
- 6 Remove four hexagon head bolts.



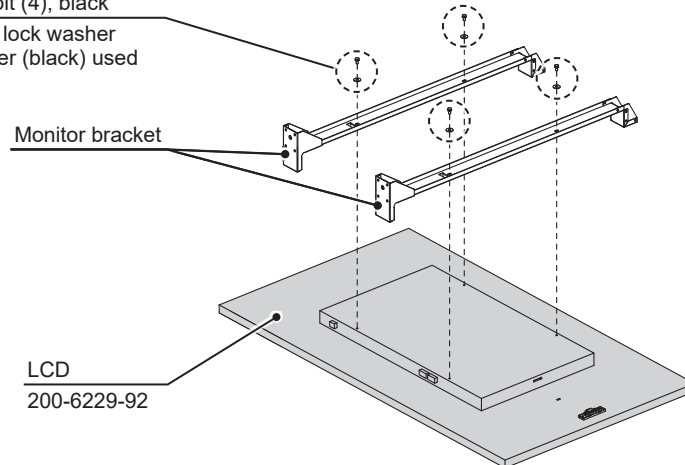
- 7 Support the Monitor unit with two or more people, and take off the Monitor unit, and then place it on the protective material with LCD side of the monitor on the bottom. When doing this, be careful not to hit the Fan unit and the damage cables. When installing, fit the Monitor bracket into the guide and press it against the face.



11

- 8 Remove four hexagon head bolts screws and take off the Monitor bracket.

Hexagon head bolt (4), black  
M6 x 12, w/spring lock washer  
Large plain washer (black) used



- 9 Refer to steps 2 to 8 and work in reverse order to attach the replacement LCD and reassemble the cabinet.

## 11-2 REPLACING THE SENSOR LED BOARD

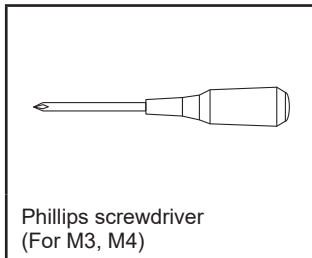
### ⚠ WARNING

- This work should be performed by site maintenance personnel or other qualified professionals. Work performed by non-technical personnel can cause a severe accident such as an electric shock.
- Before starting work on the product, be sure to turn the power off. Working while the power is on can cause an electric shock, short circuit or fire.

### ⚠ CAUTION

When opening/closing or attaching/removing doors or other parts, be careful that your hands or fingers do not get caught in anything.

#### Tools necessary for work

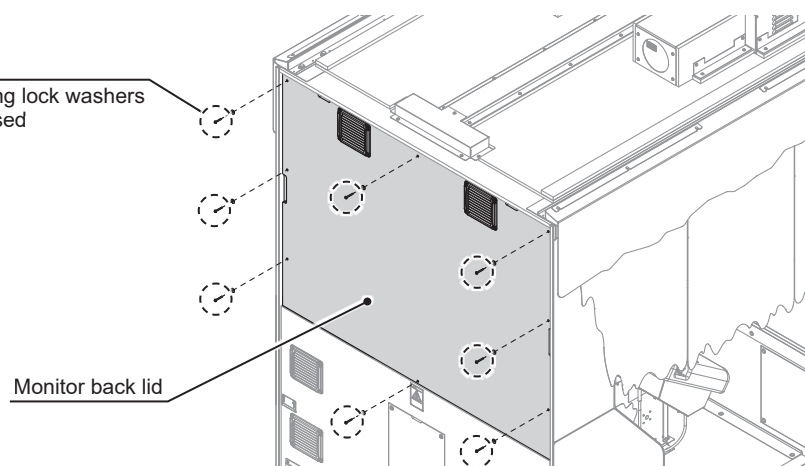


#### 11-2-1 Common tasks

1 Turn OFF the power switch.

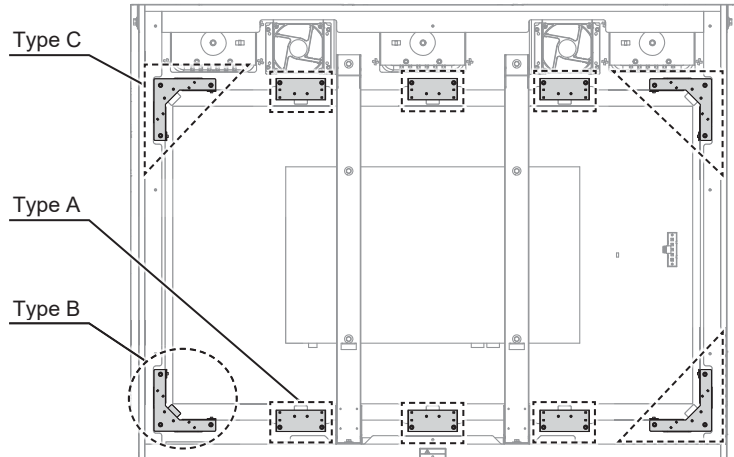
2 Remove eight screws and take off the Monitor back lid.

Screw (8)  
M4 x 35, w/flat & spring lock washers  
Large plain washer used



**3** There are three types of Sensor LED boards: A, B, C. Refer to the table below and replace the respective Sensor LED boards.

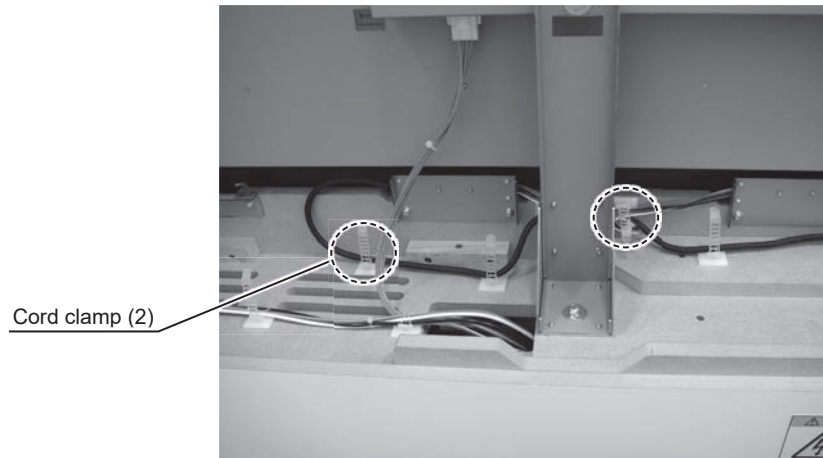
Type	Reference
A	11-2-2
B	11-2-3
C	11-2-4



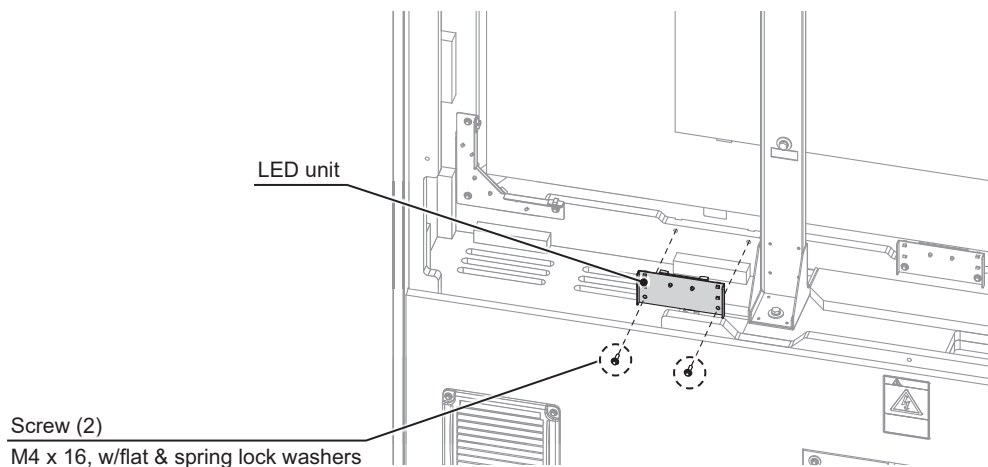
### 11-2-2 Type A

This manual explains how to replace the Type A sensor LED board on the bottom left side. Other Sensor LED boards can also be replaced with the same steps.

**1** Undo two cord clamps.

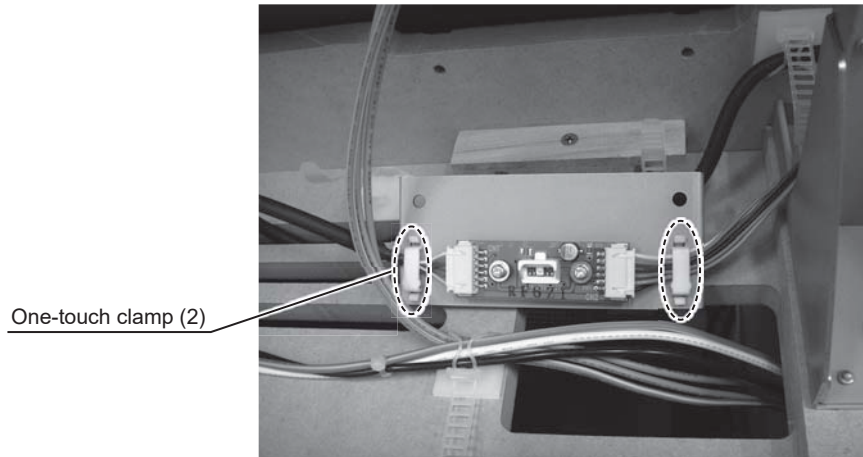


**2** Remove two screws and take off the LED unit.

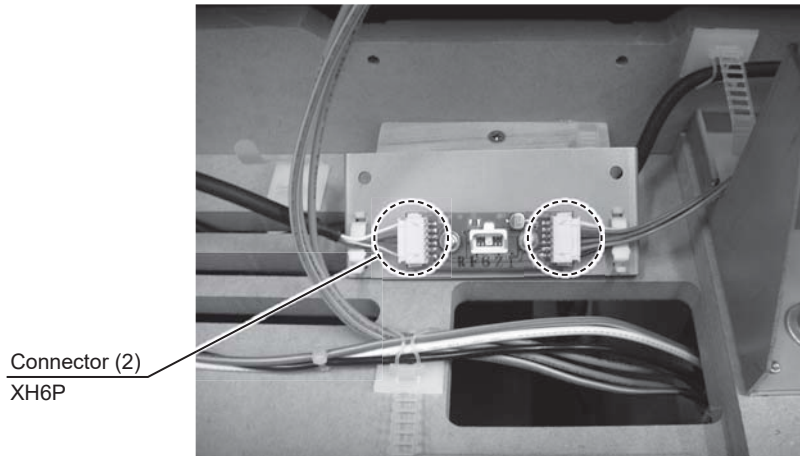




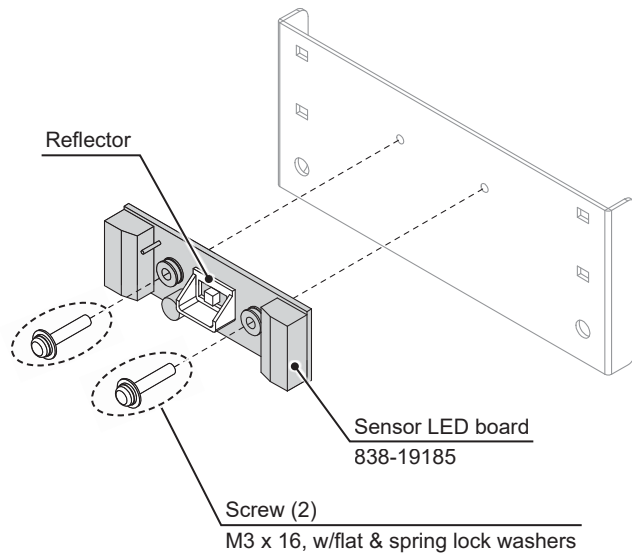
3 Undo two One-touch clamps.



4 Disconnect two connectors.



5 Remove two screws and take off the Sensor LED board. When attaching, be careful with the direction of the Reflector. (See below.)

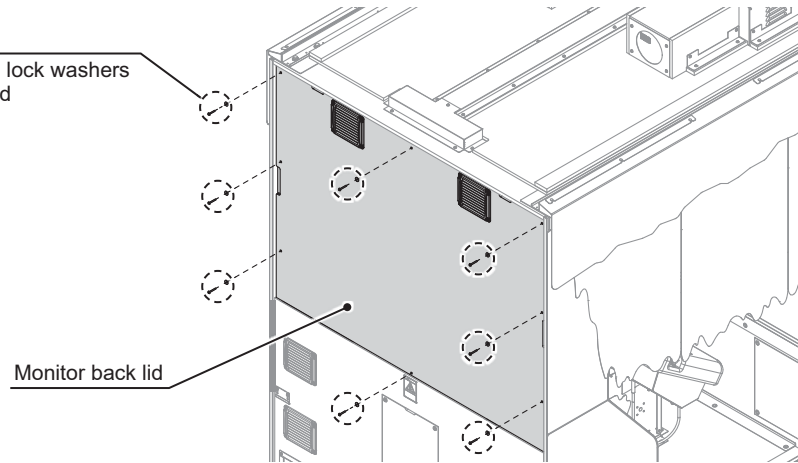


- 
- 6** Refer to steps 1 to 5 and work in reverse order to attach the replacement Sensor LED board and reassemble the cabinet.  
When attaching, be careful not to get cables caught.
- 

- 7** Attach the Monitor back lid with eight screws.

Screw (8)

M4 x 35, w/flat & spring lock washers  
Large plain washer used

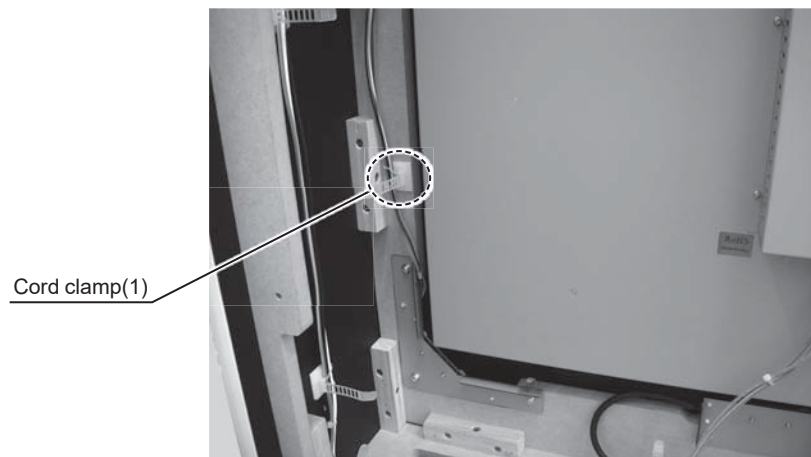


- 
- 8** Refer to Service manual "3-6 CONTROLLER ADJUSTMENT" and make the adjustment.

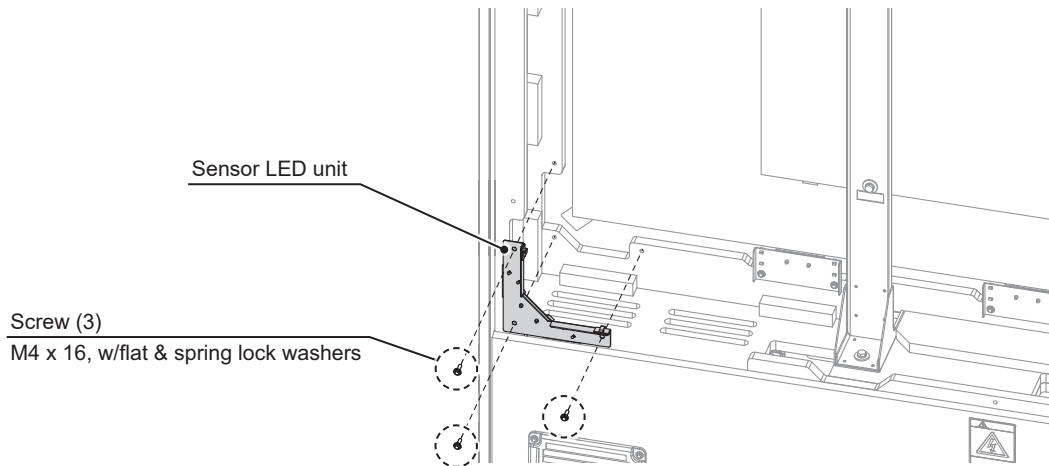
11

### 11-2-3 Type B

- 
- 1** Undo one cord clamp.

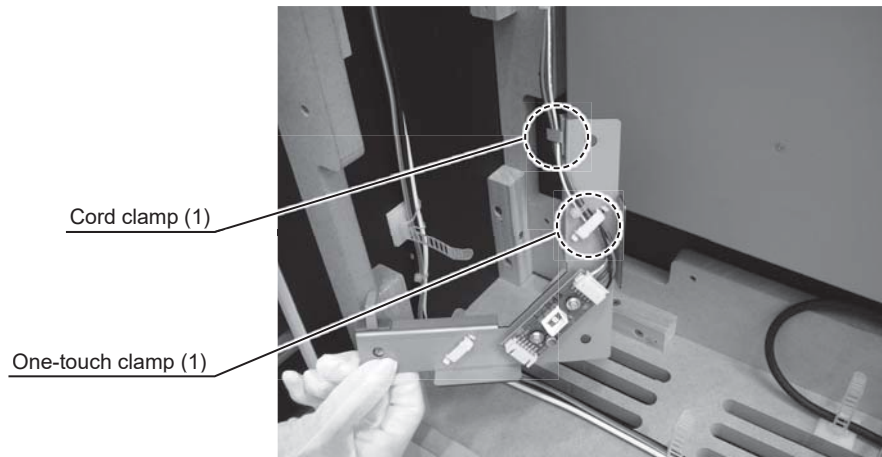


2 Remove three screws and take off the Sensor LED unit.

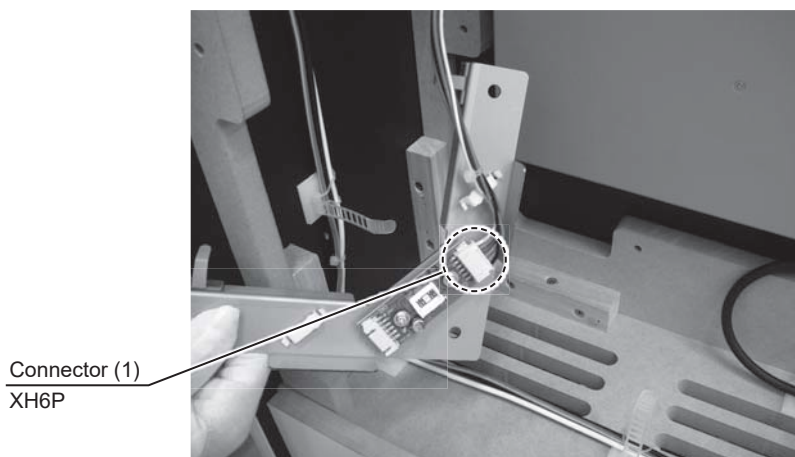


3 Undo one cord clamp and one One-touch clamp.

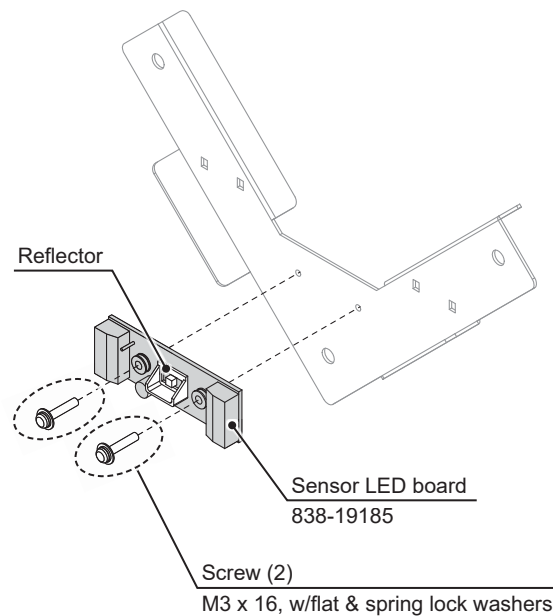
11



4 Disconnect the connector.



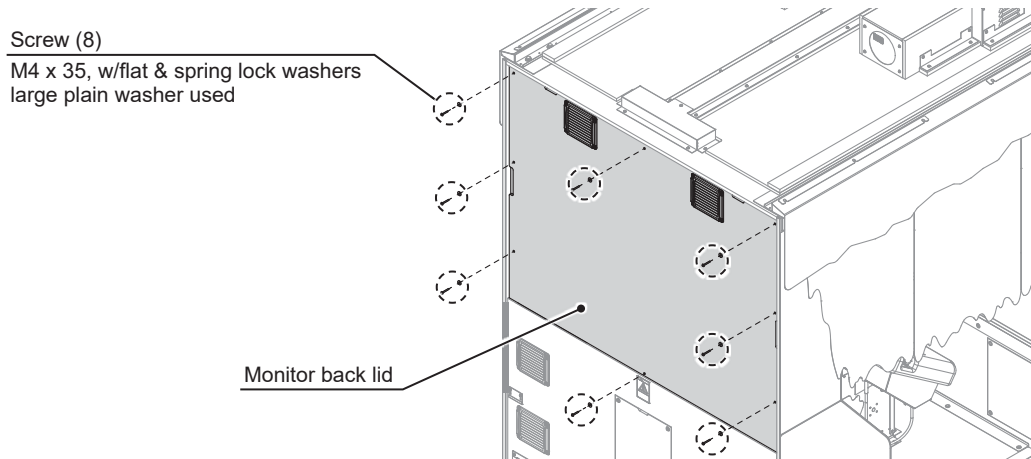
- 5 Remove two screws and take off the Sensor LED board. When attaching, be careful with the direction of the Reflector. (See below.)



- 6 Refer to steps 1 to 5 and work in reverse order to attach the replacement Sensor LED board and reassemble the cabinet. When attaching, be careful not to get cables caught.

11

- 7 Attach the Monitor back lid with eight screws.

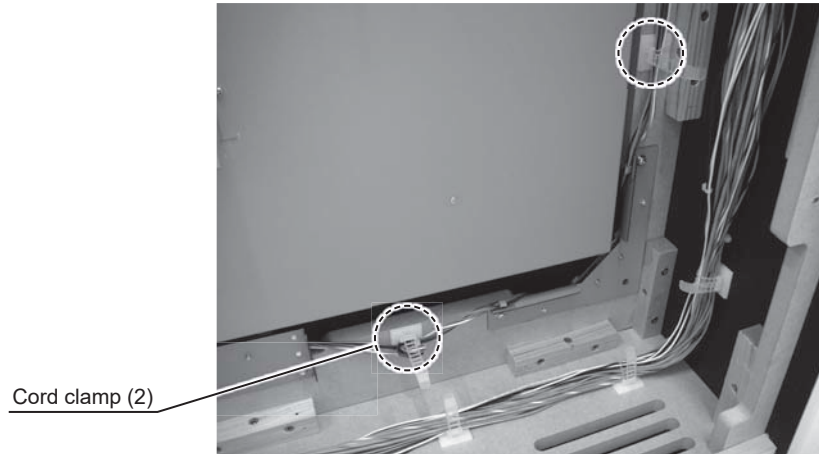


- 8 Refer to Service manual "3-6 CONTROLLER ADJUSTMENT" and make the adjustment.

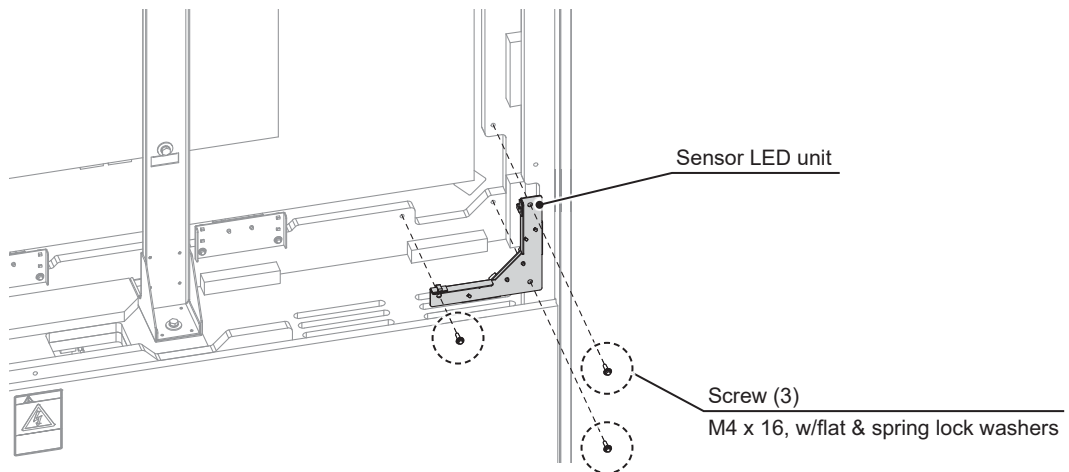
## 11-2-4 Type C

This manual explains how to replace the Type C Sensor LED board on the bottom right side. Other Sensor LED boards can also be replaced with the same steps.

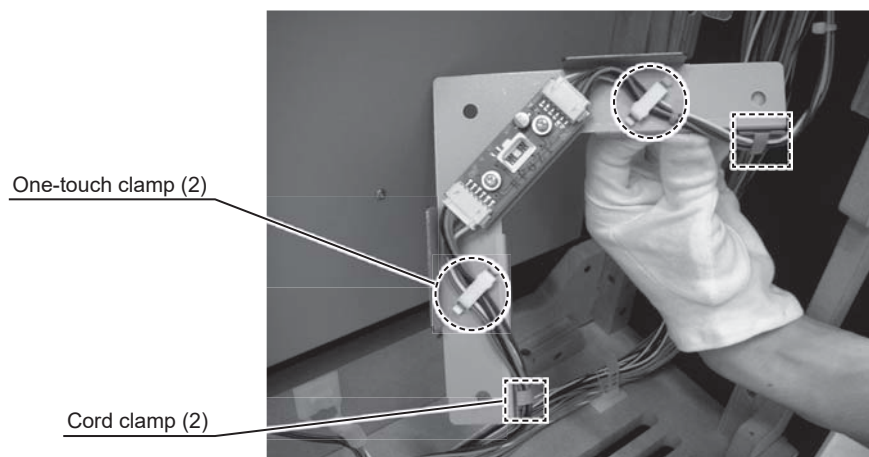
- 1 Undo two cord clamps.



- 2 Remove three screws and take off the Sensor LED unit.

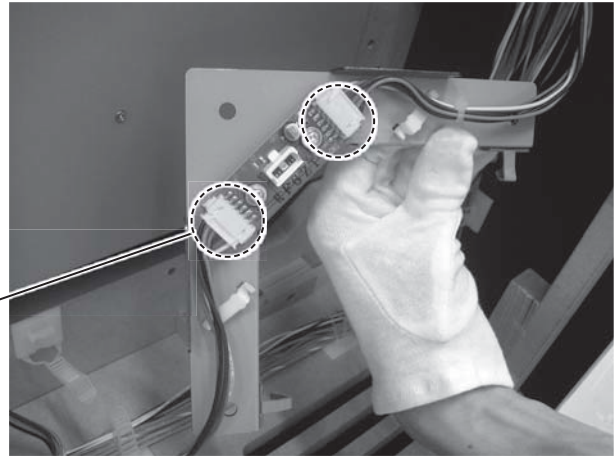


- 3 Undo two cord clamps and two One-touch clamps.

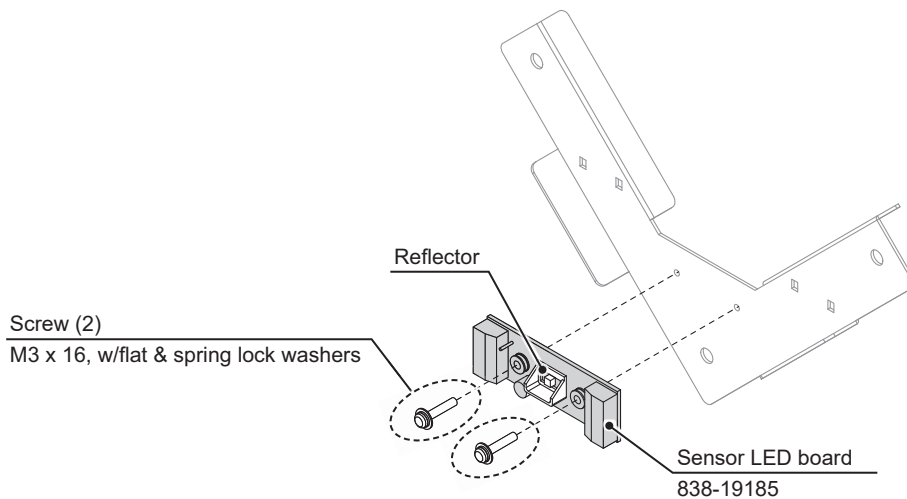


## 4 Disconnect two connectors.

Connector (2)  
XH6P



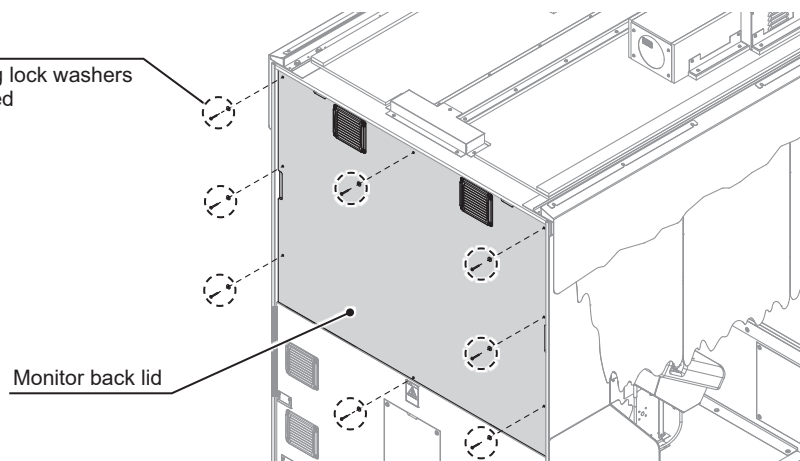
## 5 Remove two screws and take off the Sensor LED board. When attaching, be careful with the direction of the Reflector. (See below.)



## 6 Refer to steps 1 to 5 and work in reverse order to attach the replacement Sensor LED board and reassemble the cabinet. When attaching, be careful not to get cables caught.

## 7 Remove eight screws and take off the Monitor back lid.

Screw (8)  
M4 x 35, w/flat & spring lock washers  
Large plain washer used



## 8 Refer to Service manual "3-6 CONTROLLER ADJUSTMENT" and make the adjustment.

## 12 CONTROL CABINET

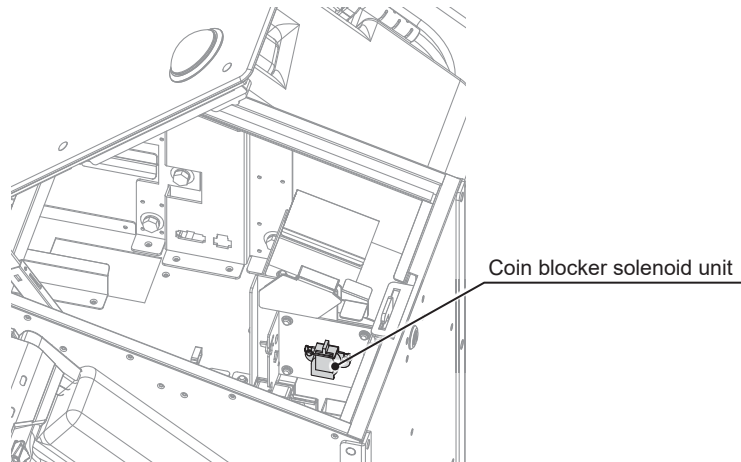
### WARNING

- This work should be performed by site maintenance personnel or other qualified professionals. Work performed by non-technical personnel can cause a severe accident such as an electric shock.
- Before starting work on the product, be sure to turn the power OFF. Working while the power is on can cause an electric shock, short circuit or fire.

### 12-1 COIN SELECTOR

### CAUTION

Be careful when handling the coin selector's coin blocker solenoid, as it will still be hot immediately after the power has been turned OFF. Also, wait until the coin blocker solenoid has cooled completely before working on it.



Inside the Control panel

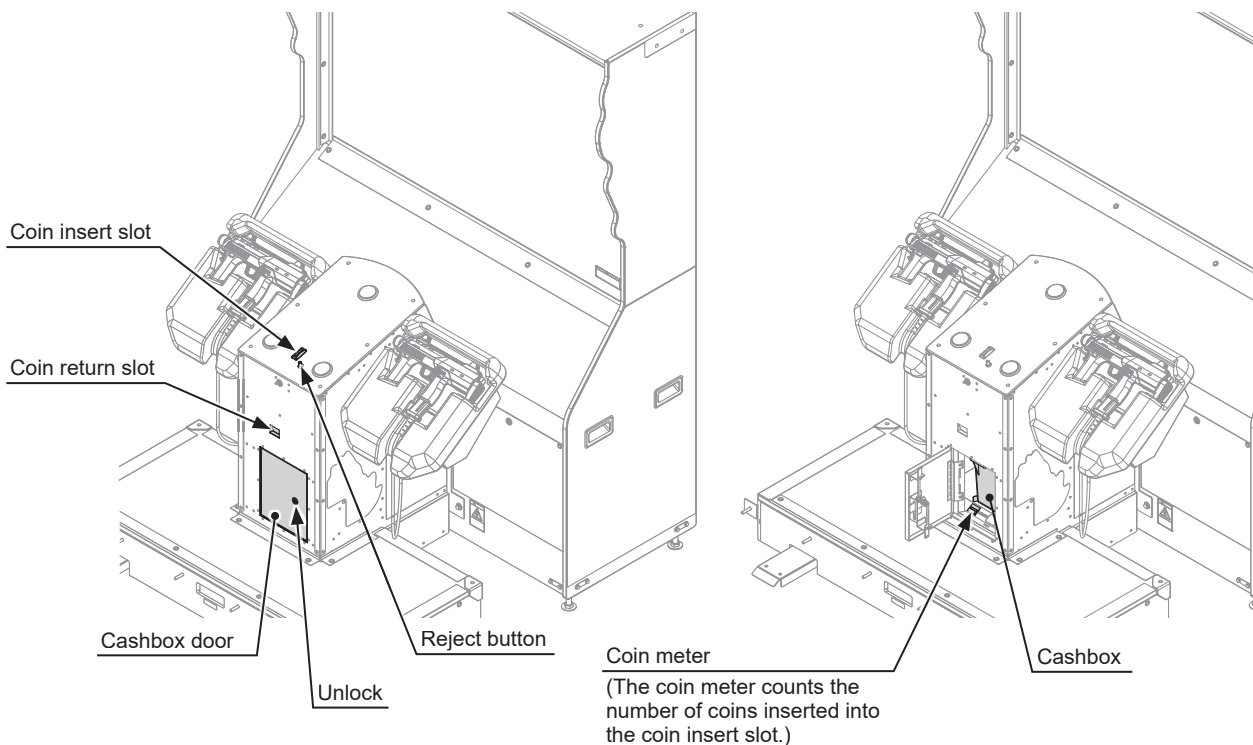
## STOP IMPORTANT

- Use a soft cloth to clean the coin selector. If the coin selector is particularly dirty, wet a cloth with cold or lukewarm water, wring it out and wipe the selector clean. Do not use chemical detergents or other chemicals.
- After cleaning the coin selector, insert a regular coin in the normal working status and ensure that the selector correctly functions.
- The coin selector is a precision device. Careless handling could result in damaged parts, poor connection of electronic circuits, etc.
- Do not apply machine oil, grease etc. to the Coin selector.
- Do not open the gate past 90 degrees. Doing so will put excessive force on the hinge springs and damage the door.
- Never disassemble the unit in ways other than those described in this manual.

### 12-1-1 Coin insertion test

Perform the following checks once a month. Also, perform the Coin blocker test in Test mode.  
(See "3-4 OUTPUT TEST" in the Service manual.)

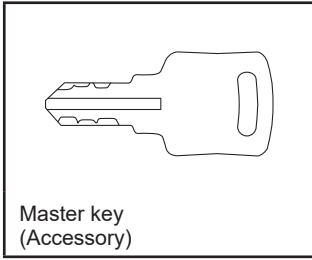
- Does the coin meter count properly?
- Do coins drop into the cashbox correctly?
- Do coins inserted while holding the reject button return to the coin return slot.
- Are extra coins and incorrect coins properly returned?





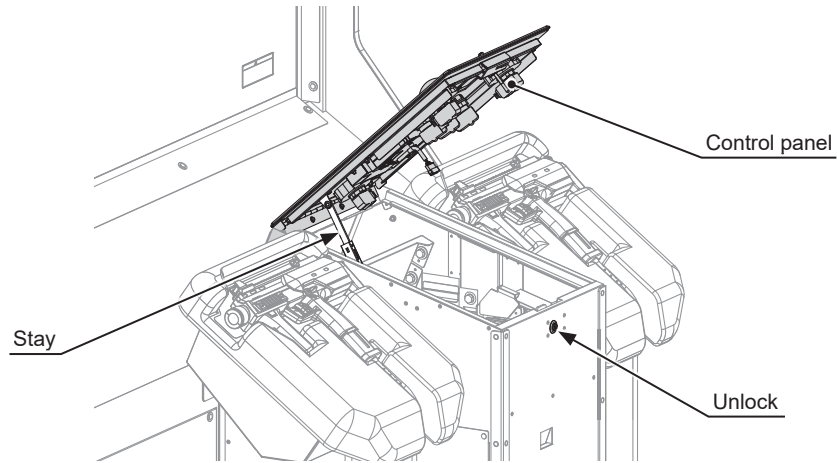
## 12-1-2 Removing the Coin selector

### Tools necessary for work

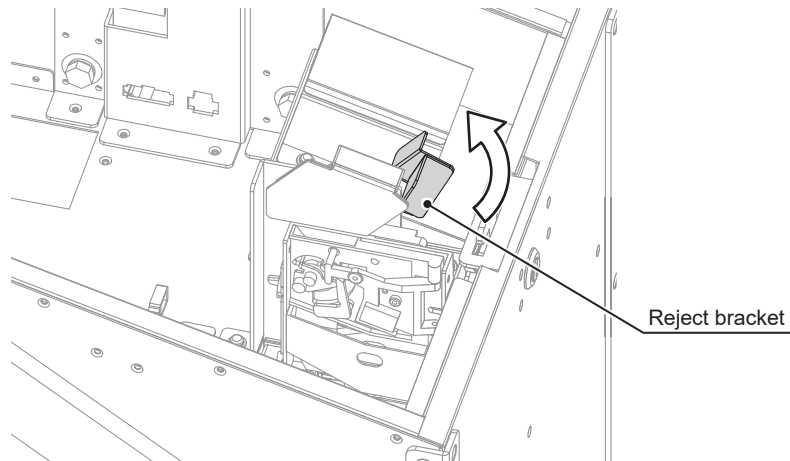


**1** Turn OFF the power on the cabinet.

**2** Unlock the Control panel with the master key and then open it.  
When doing this, ensure that the Control panel remains open until the Stay locks into place.  
When closing the Control panel, lift it up to unlock the Stay, and then close the Control panel.

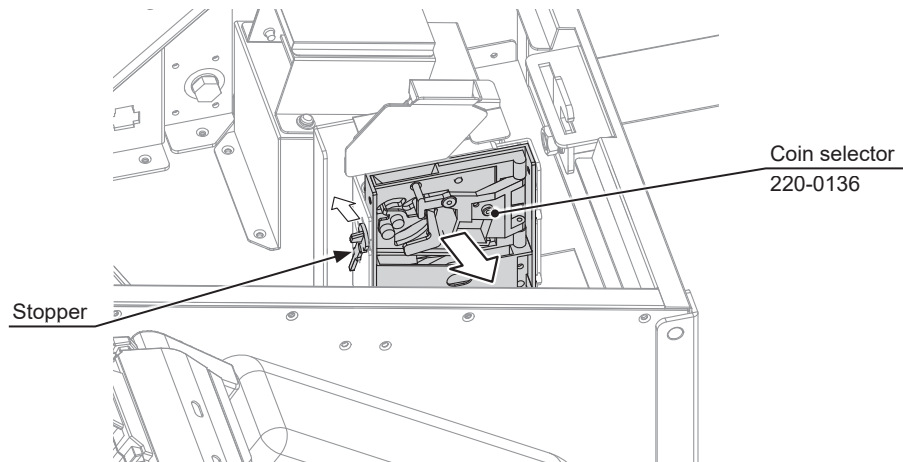


**3** Rotate the Reject bracket in the direction of the arrow.



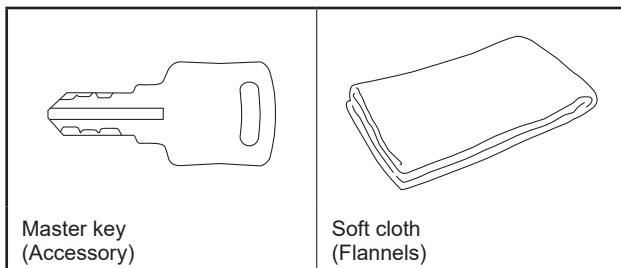
personnel

- 4** Push the stopper in the direction of the arrow to unlock the lock, and then slide the coin selector in the direction of the arrow and take it off.



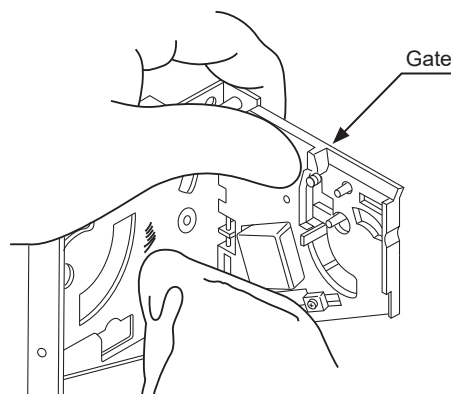
### 12-1-3 Cleaning the Coin selector

#### Tools necessary for work



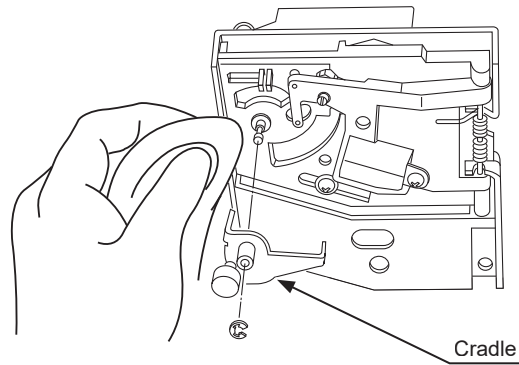
Clean the Coin selector once every three months.

- 1** Refer to 12-1-2 and take off the Coin selector.
- 2** Open the gate and wipe away dirt with animal hairbrush or other soft brush.



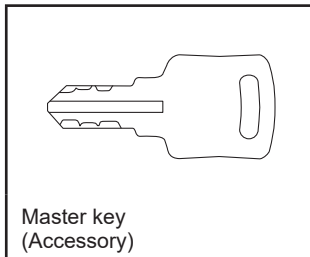
- 3** Dip a soft cloth in water or a diluted mild cleaning agent, wring it out and wipe the parts off.

- 4** Take off the Cradle. When removing the retaining ring (E-ring), be very careful not to bend its rotation axle.



### 12-1-4 Removing jammed coins

#### Tools necessary for work

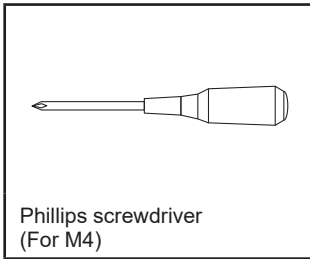


If a coin does not return after pressing the Reject button, remove the coin selector, open the gate and take out the jammed coin. (See 12-1-2, 12-1-3.)

After you have removed it, insert a normal coin to check that the coin selector is working properly. (See 12-1-1.)

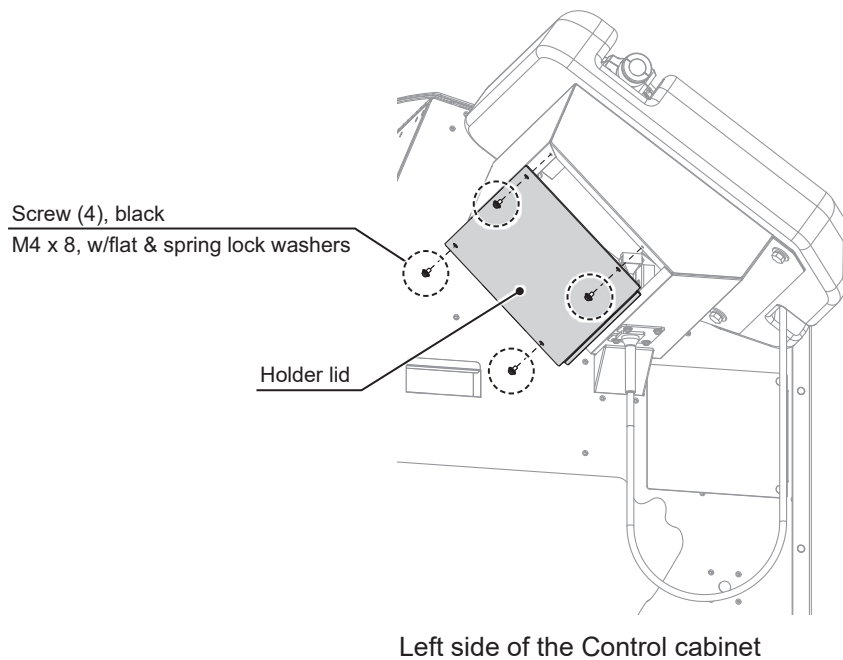
## 12-2 REMOVING THE CONTROLLER

### Tools necessary for work

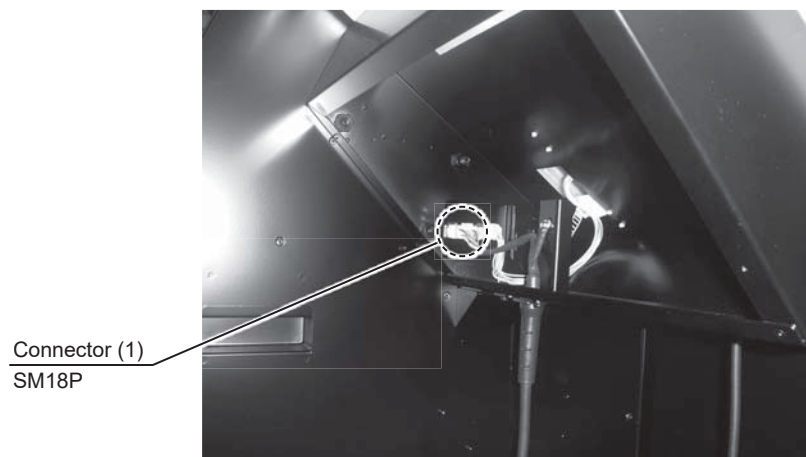


1 Turn OFF the power switch.

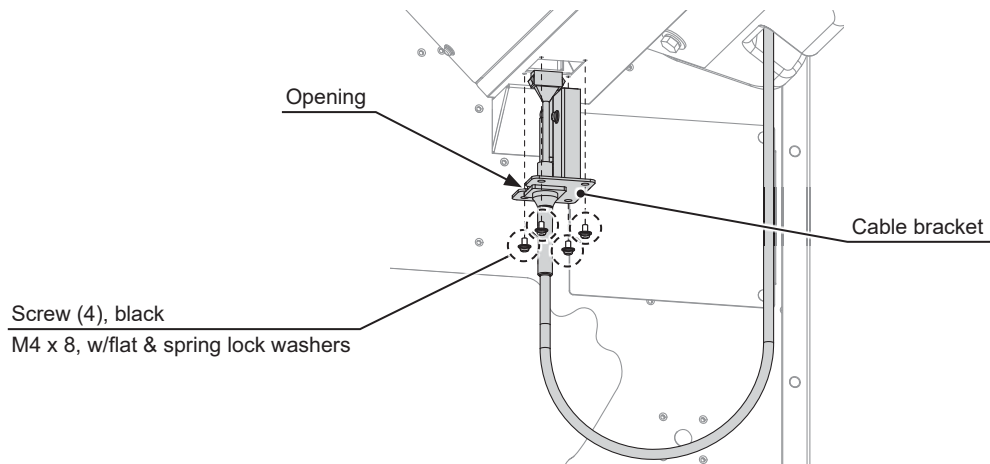
2 Remove four screws and take off the Holder lid.



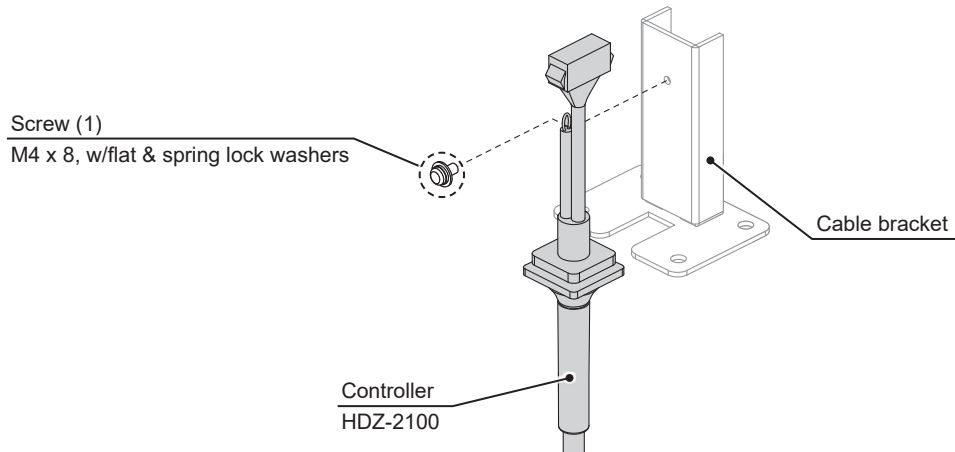
3 Disconnect the connector.



- 4** Remove four screws and take off the Cable bracket.  
When attaching, position it so that the opening comes LCD side.

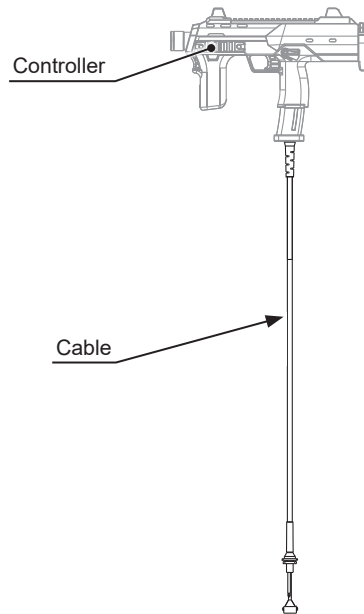


- 5** Remove one screw and take off the Cable bracket from the controller.  
When attaching, refer to "How to attach the Cable bracket" described later.



## How to attach the Cable bracket

- 1 Place the controller to be attached on a flat surface so that the cable is not twisted.



- 2 Insert the Cable bracket to the cable. Refer to the figure below and be careful with the inserting direction.

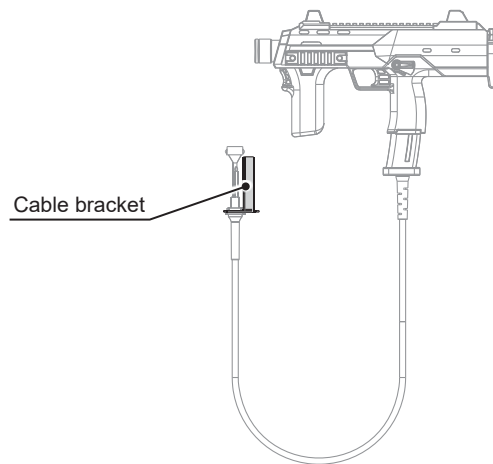
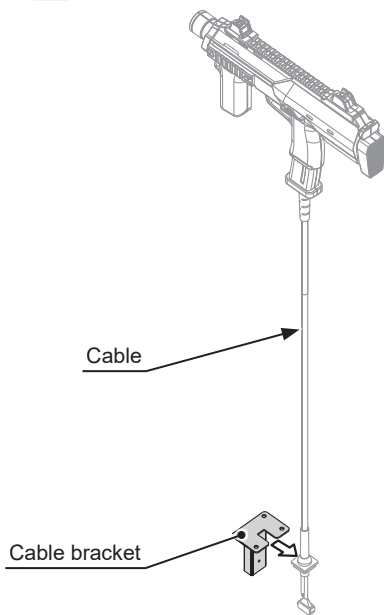


Image of the controller being attached to the cabinet  
(When held by the player)

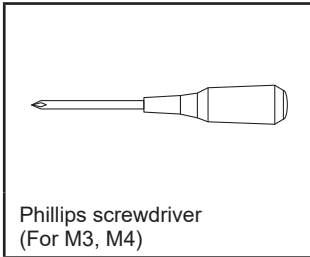
## 12-3 REPLACING THE CONTROLLER VIBRATOR

### ⚠ CAUTION

Immediately after turning OFF the power, do not touch the Controller vibrator as it is still hot. Doing so may cause burns.

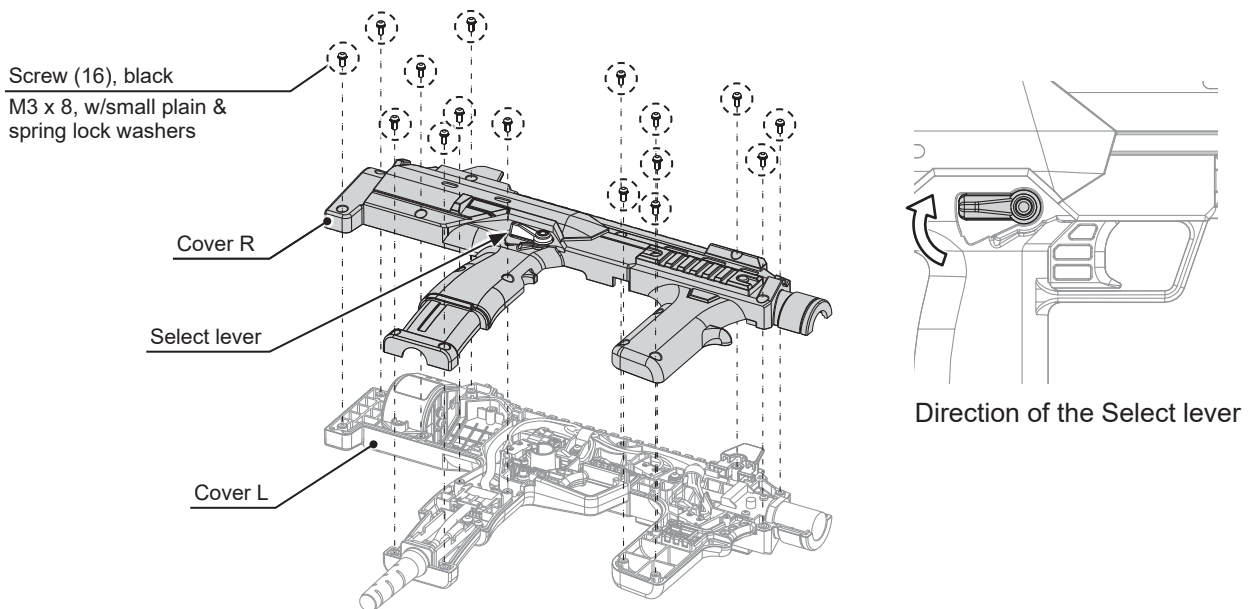
Also, do not perform work until the Controller vibrator has cooled completely.

#### Tools necessary for work

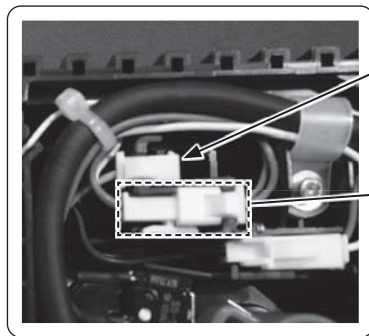


1 Refer to 12-2 and work in the same order to take off the controller.

2 Remove 16 screws and take off Cover R. When doing this, set Cover L on the bottom. When attaching, be careful with the direction of the Select lever.



- 3** Disconnect the connector.  
When connecting, pull the wire as shown below.

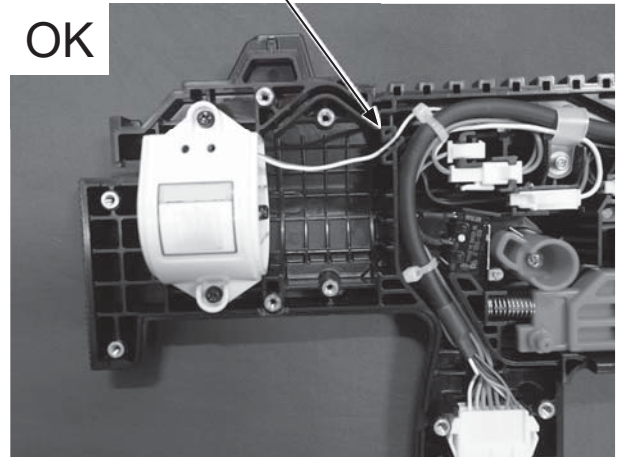
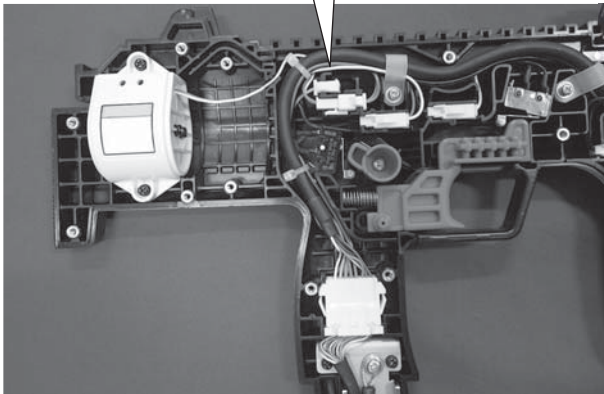


This connector is not used.

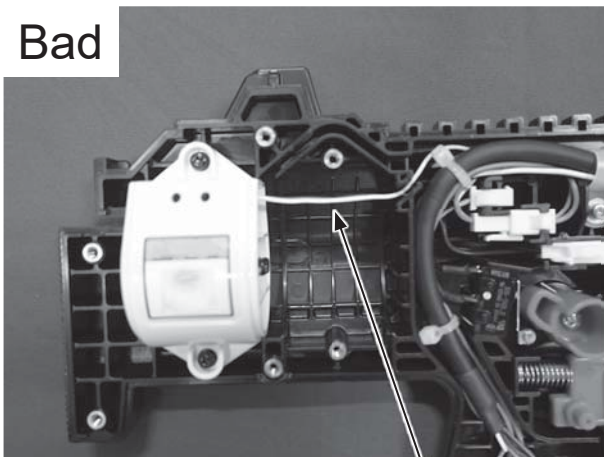
Connector (1)  
SM2P

Wire is inserted into the groove.

OK

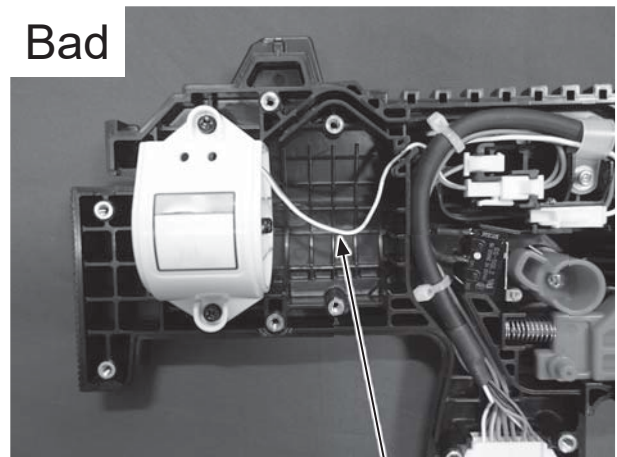


Bad



Wire is too tight.

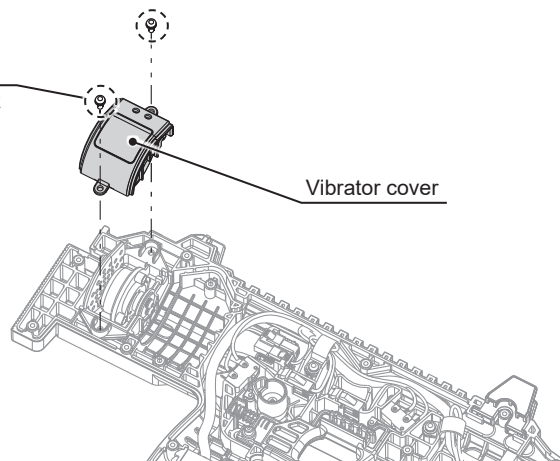
Bad



Wire is too loose.

- 4** Remove two screws and take off the Vibrator cover.

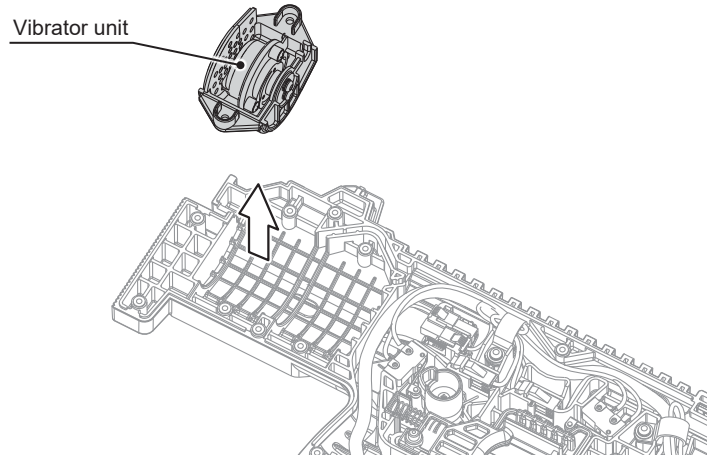
Screw (2), black  
M3×8, w/small plain & spring lock  
washers



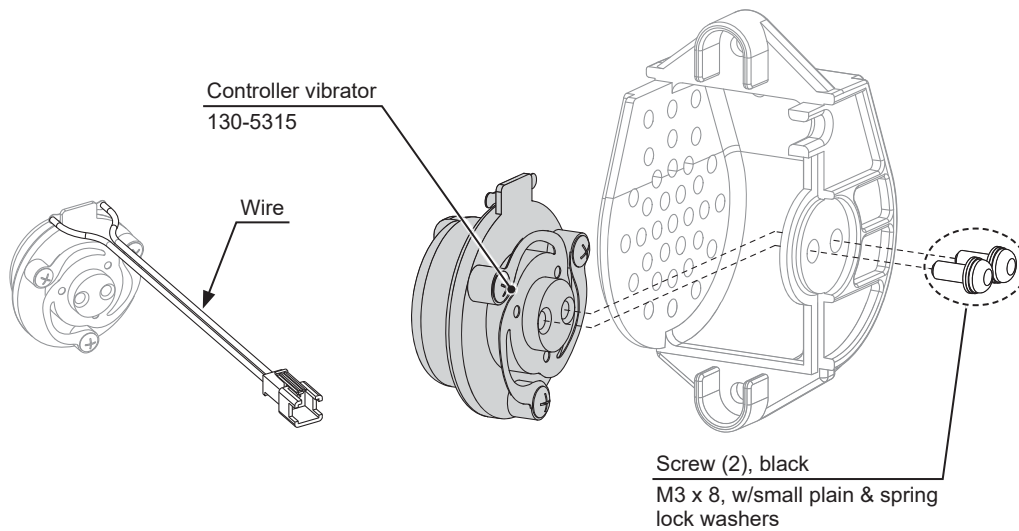
Vibrator cover



5 Take out the Vibrator unit.



6 Remove two screws and take off the Controller vibrator. When attaching, position the Controller vibrator so that the wire faces up.



12

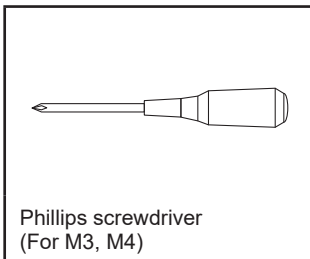
7 Refer to steps 1 to 6 and work in reverse order to attach the replacement Controller vibrator, and reassemble the cabinet. Be careful not to tighten the screws too much.

8 Refer to "3-3 INPUT TEST" and "3-4 OUTPUT TEST" in the Service manual, and check that each output device is working properly.

9 Refer to "3-6 CONTROLLER ADJUSTMENT" in the Service manual and adjust the controller.

## 12-4 REPLACING THE MICROSWITCH

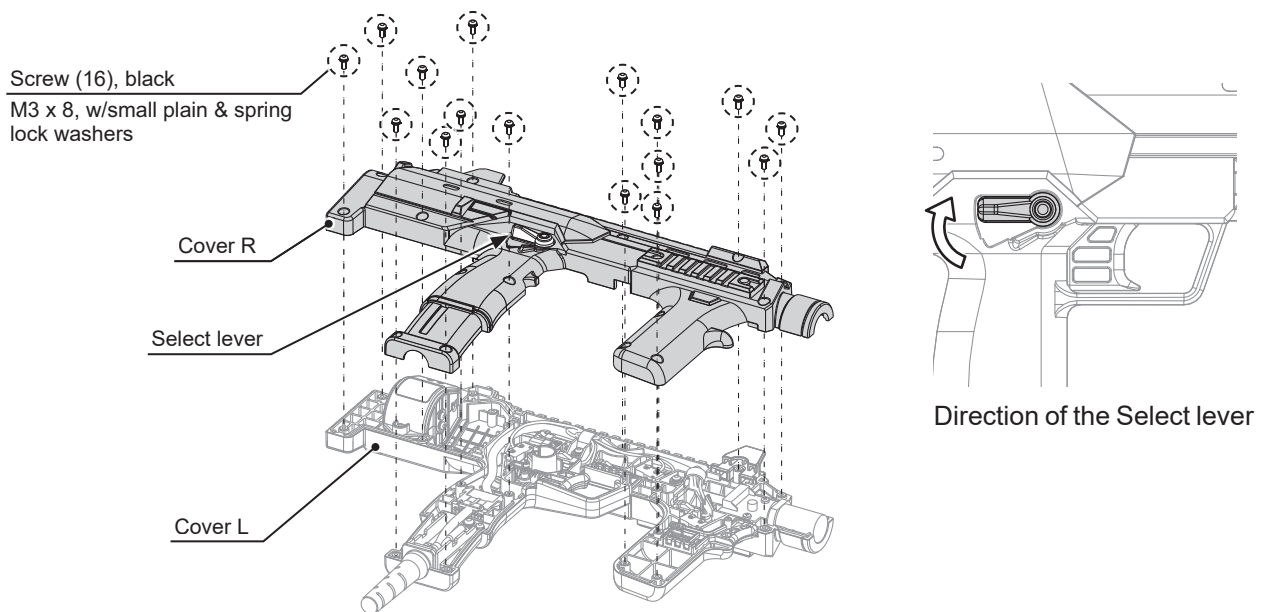
### Tools necessary for work



There are the microswitches of the Trigger, Subtrigger and Select lever inside the Controller.

**1** Refer to 12-2 and work in the same order to take off the controller.

**2** Remove 16 screws and take off Cover R. When doing this, set Cover L on the bottom. When attaching, be careful with the direction of the Select lever.



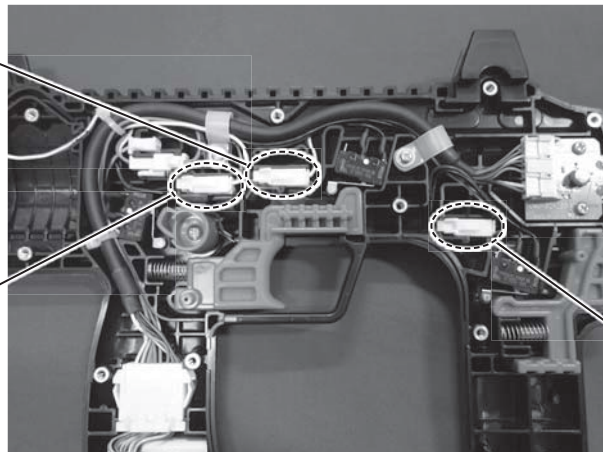
12

**3** Disconnect the connector of the Microswitch to be replaced.

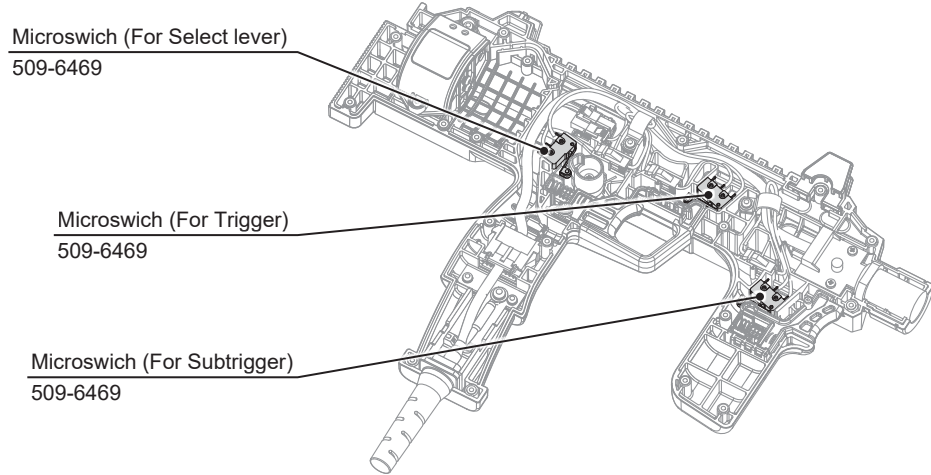
Connector (1)  
XA2P (For Trigger)

Connector (1)  
XA2P (For Select lever)

Connector (1)  
XA2P (For Subtrigger)



4 Take off the Microswitch to be replaced from Cover L.



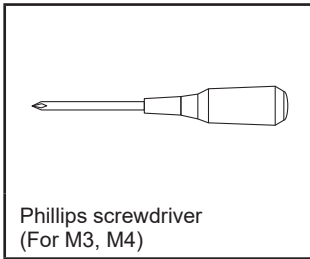
5 Refer to steps 1 to 4 and work in reverse order to attach the replacement Microswitch, and reassemble the cabinet.  
Be careful not to tighten the screws too much.

6 Refer to "3-3 INPUT TEST" and "3-4 OUTPUT TEST" in the Service manual, and check that each output device is working properly.

7 Refer to "3-6 CONTROLLER ADJUSTMENT" in the Service manual and adjust the controller.

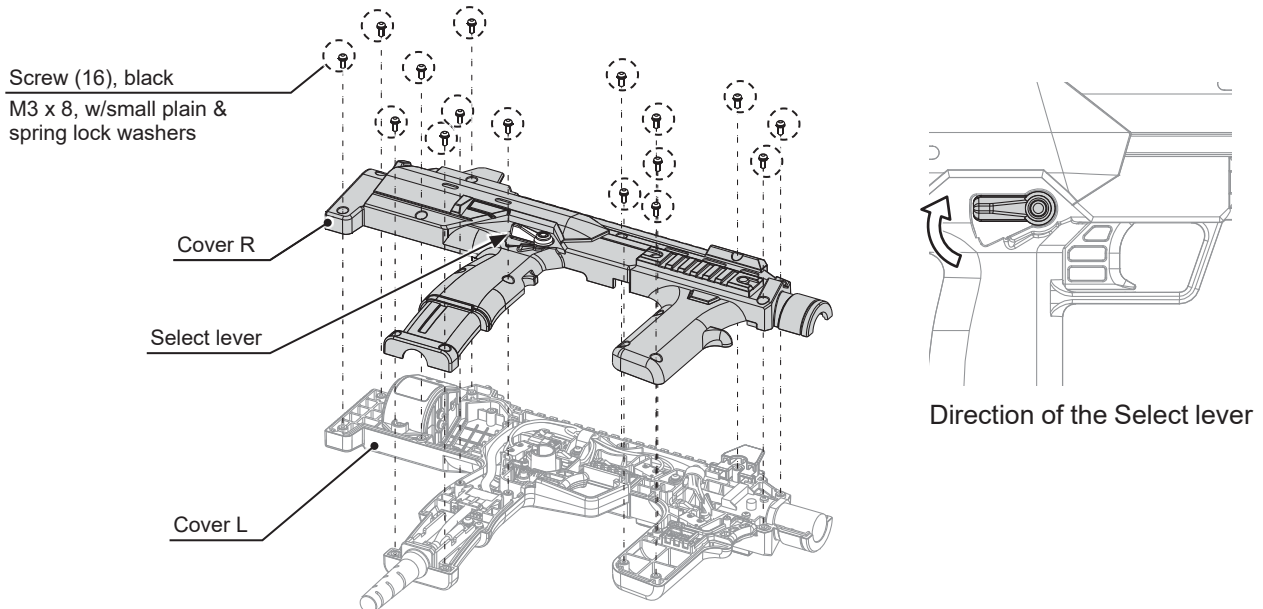
## 12-5 REPLACING THE SENSOR UNIT

### Tools necessary for work



**1** Refer to 12-2 and work in the same order to take off the controller.

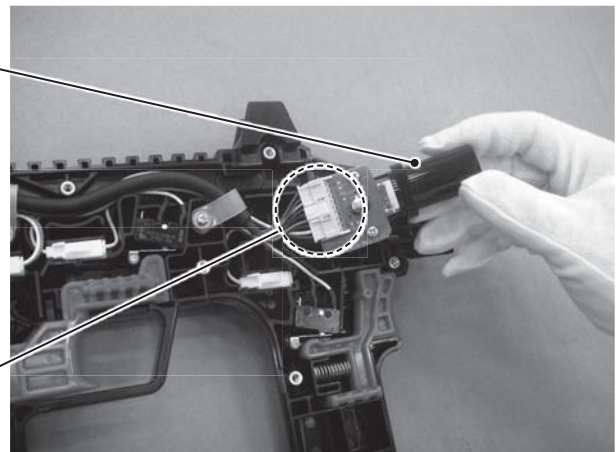
**2** Remove 16 screws and take off Cover R. When doing this, set Cover L on the bottom. When attaching, be careful with the direction of the Select lever.



**3** Lift up the Sensor unit and disconnect the connector.

Sensor unit  
GLG-2130X

Connector (1)  
XA9P



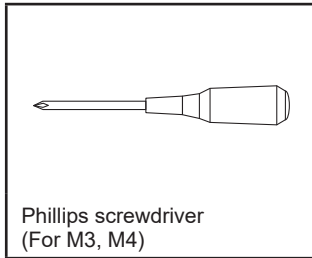
**4** Refer to steps 1 to 3 and work in reverse order to attach the replacement Sensor unit and reassemble the cabinet. Be careful not to tighten the screws too much.

**5** Refer to "3-3 INPUT TEST" and "3-4 OUTPUT TEST" in the Service manual, and check that each output device is working properly.

**6** Refer to "3-6 CONTROLLER ADJUSTMENT" in the Service manual and adjust the controller.

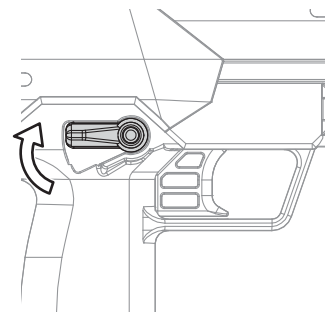
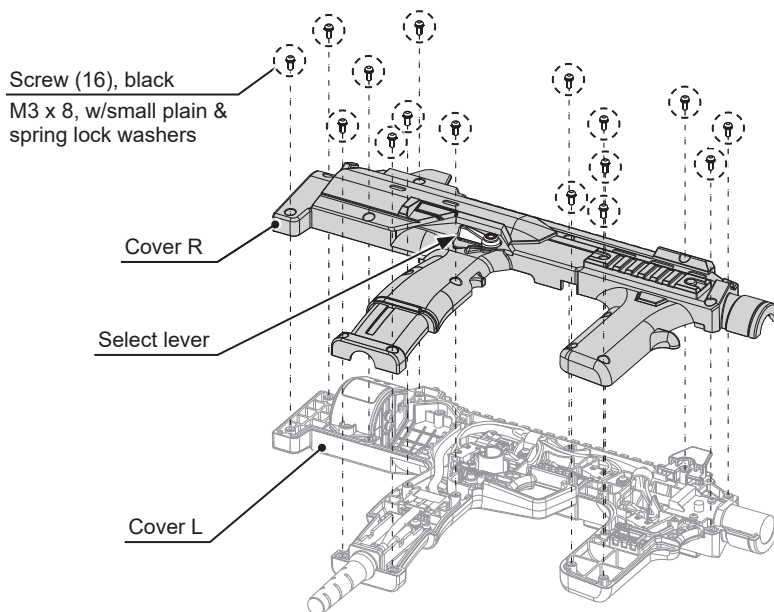
## 12-6 REPLACING THE CONTROLLER CABLE

### Tools necessary for work



**1** Refer to 12-2 and work in the same order to take off the Controller.

**2** Remove 16 screws and take off the Cover R. When doing this, set Cover L on the bottom. When attaching, be careful with the direction of the Select lever.

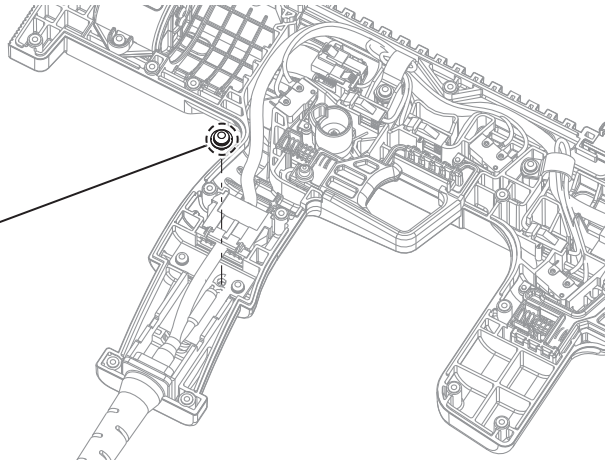


Direction of the Select lever

---

### 3 Remove the screw.

Screw (1)  
M4 x 8, w/flat & spring lock washers

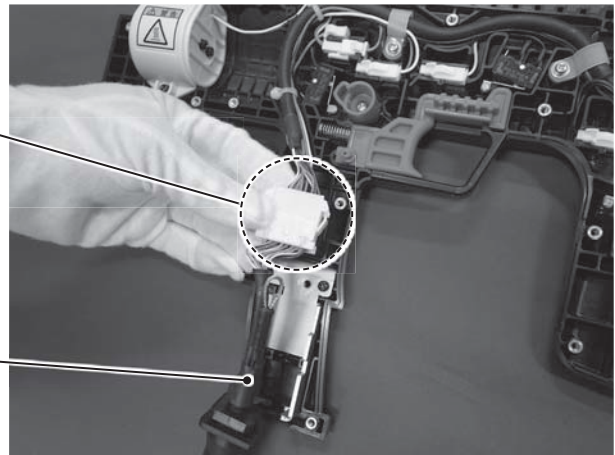


---

### 4 Lift up the Controller cable and disconnect the connector.

Connector (1)  
XAD18P

Controller cable  
HDZ-60001

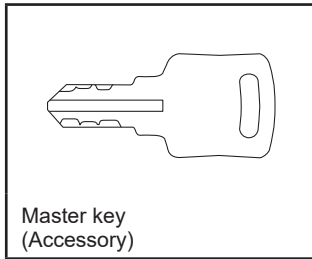


---

### 5 Refer to steps 1 to 4 and work in reverse order to attach the replacement Controller cable and reassemble the cabinet. Be careful not to tighten the screws too much.

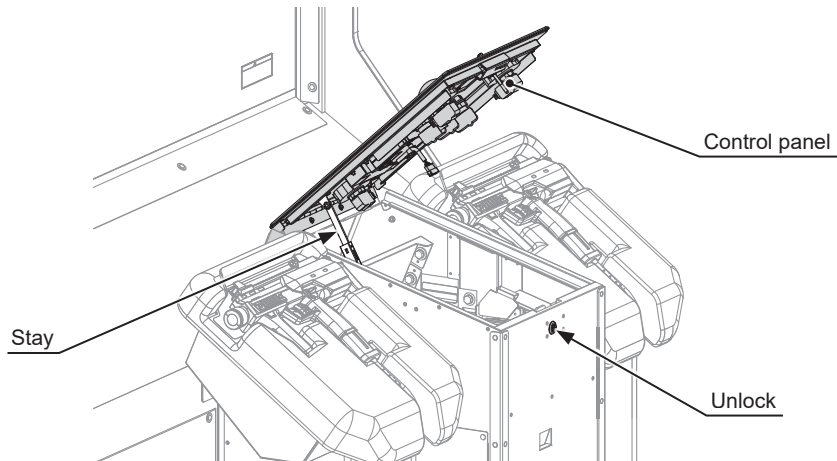
## 12-7 REPLACING THE CONTROL PANEL BUTTON

### Tools necessary for work

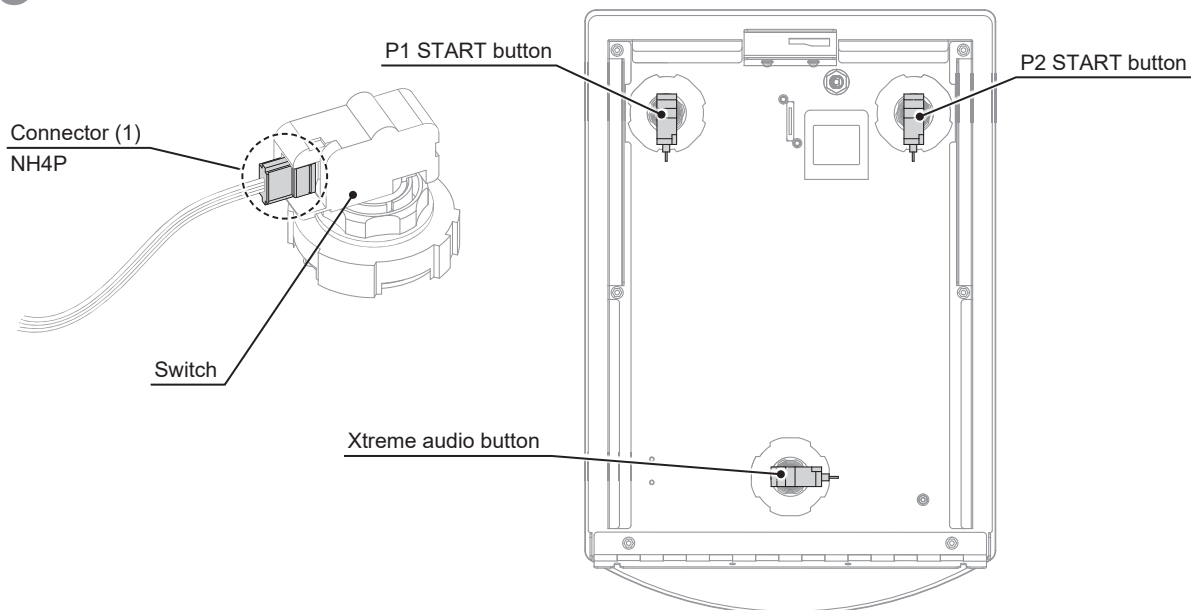


1 Turn OFF the power switch.

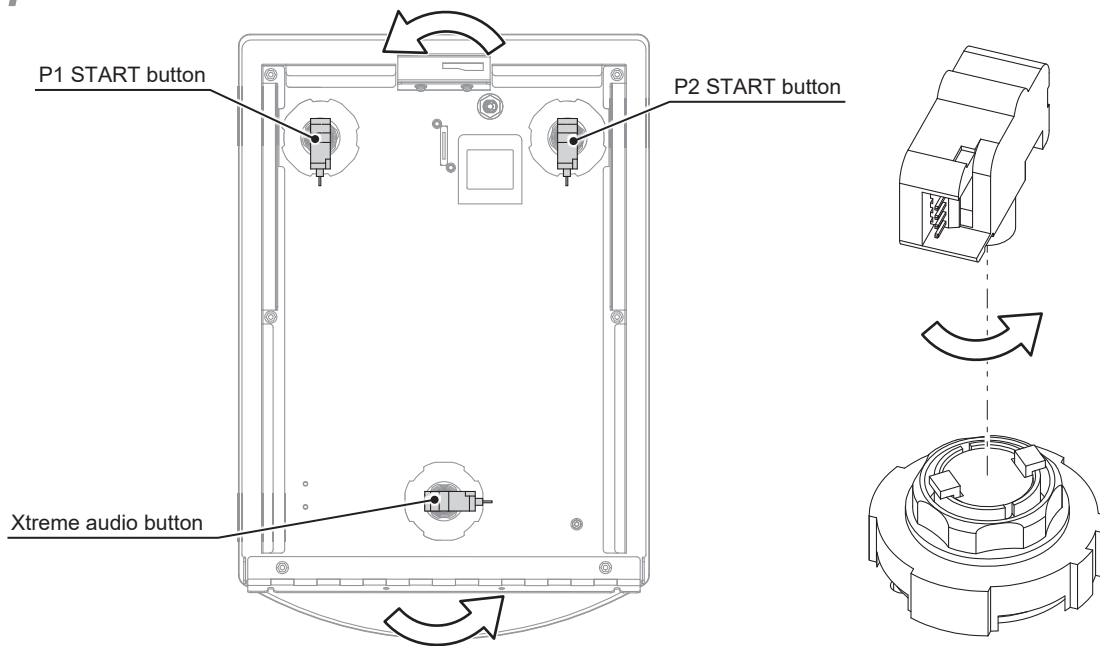
2 Unlock the Control panel with the master key and then open it.  
When doing this, ensure that the Control panel remains open until the Stay locks into place.  
When closing the Control panel, lift it up to unlock the Stay, and then close the Control panel.



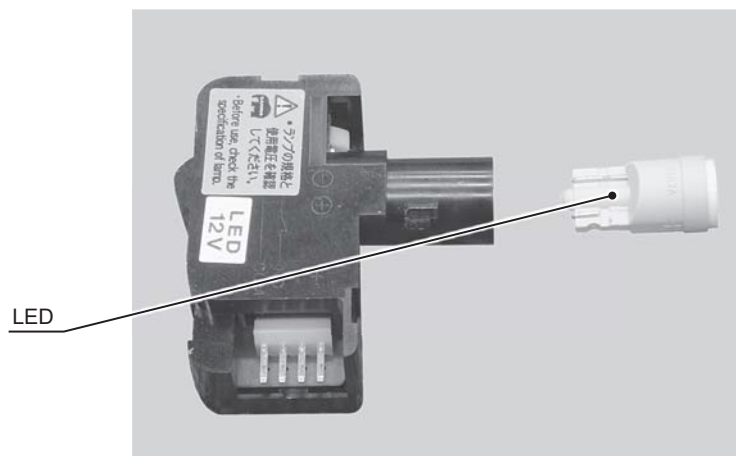
3 Disconnect the connector of the switch to be replaced.



- 4 Rotate the switch 45 degrees counter-clockwise to release the lock and take off the switch.

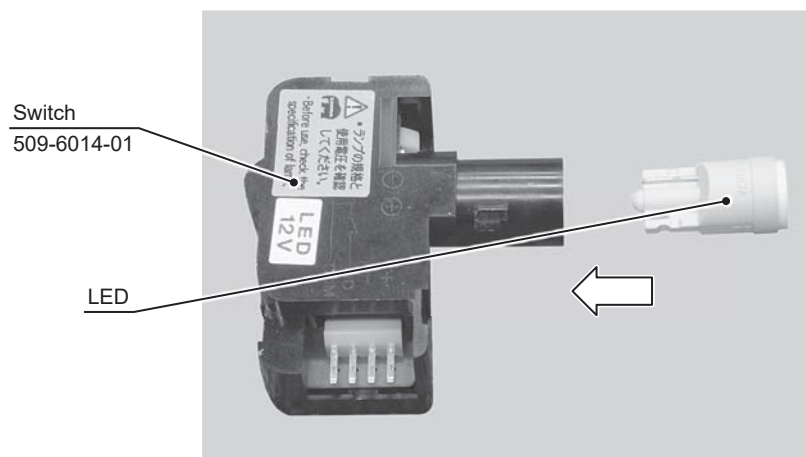


- 5 Disconnect the LED.



12

- 6 Attach the LED that was taken off in step 5 to the replacement switch. When doing this, ensure that the "+" marked on the LED and switch are aligned.



- 7 Refer to steps 2 to 4 and work in reverse order to attach the replacement switch and reassemble the cabinet.



## 13 SEAT CABINET

### ⚠ WARNING

- This work should be performed by site maintenance personnel or other qualified professionals. Work performed by non-technical personnel can cause a severe accident such as an electric shock.
- Before starting work on the product, be sure to turn the power off. Working while the power is on can cause an electric shock, short circuit or fire.

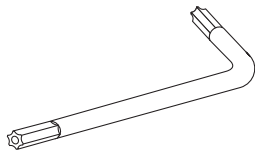
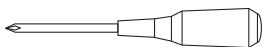
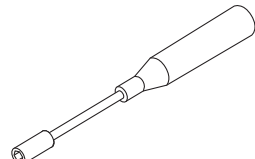
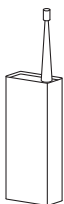
### 13-1 REPLACING THE SEAT VIBRATOR

#### STOP IMPORTANT

Be sure to apply threadlocker (Three Bond 1401C, Sega part number : 090-0012) to the areas specified in the instructions. Do not apply excessive threadlocker. Apply one or two drops to two or three screw threads. Also, do not apply threadlocker anywhere other than the designated areas. Doing so may cause malfunction or alter the material properties of the parts.

13

#### Tools necessary for work

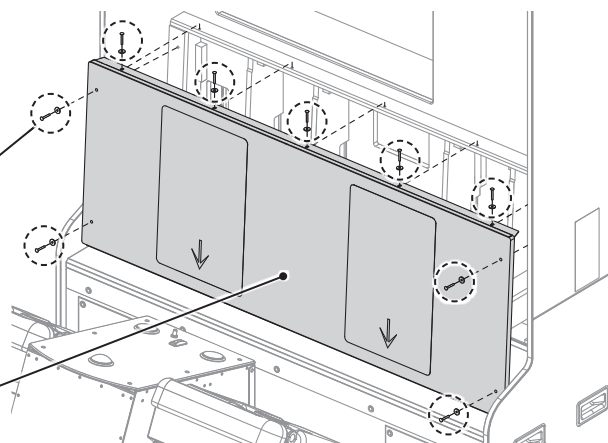
 <p>Tamperproof wrench (For M4)</p>	 <p>Phillips screwdriver (For M4)</p>	 <p>Nut driver (WAF 7 mm [For M4])</p>	 <p>Threadlocker</p>
--	--	--	---

1 Turn OFF the power switch.

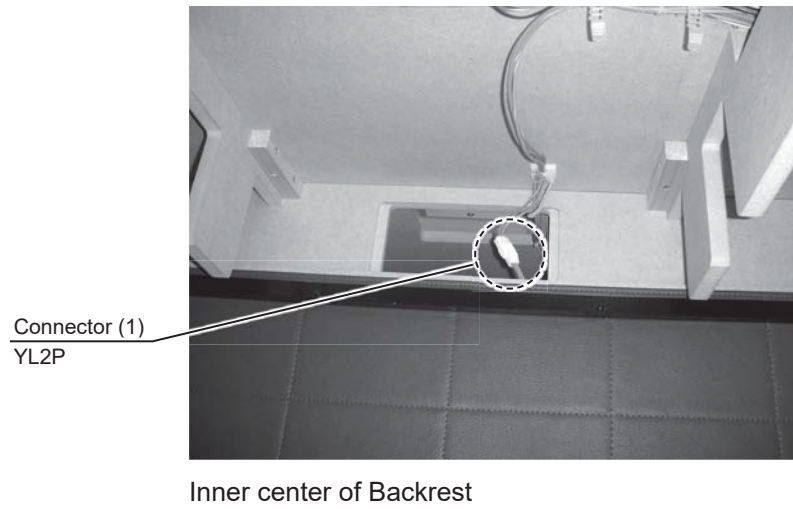
2 Remove nine tamperproof screws and take off the Backrest.

Tamperproof screw (9), black  
M4 x 30  
Large plain washer (black) used

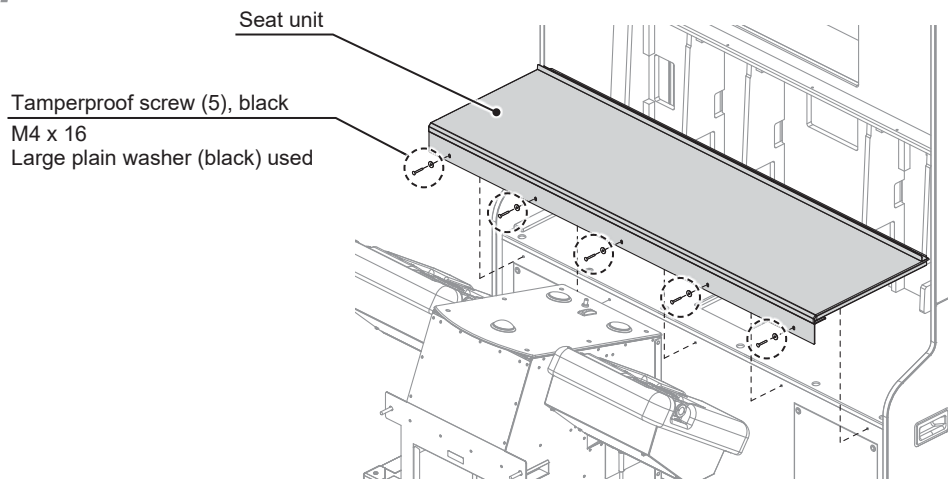
Backrest



### 3 Disconnect the connector.

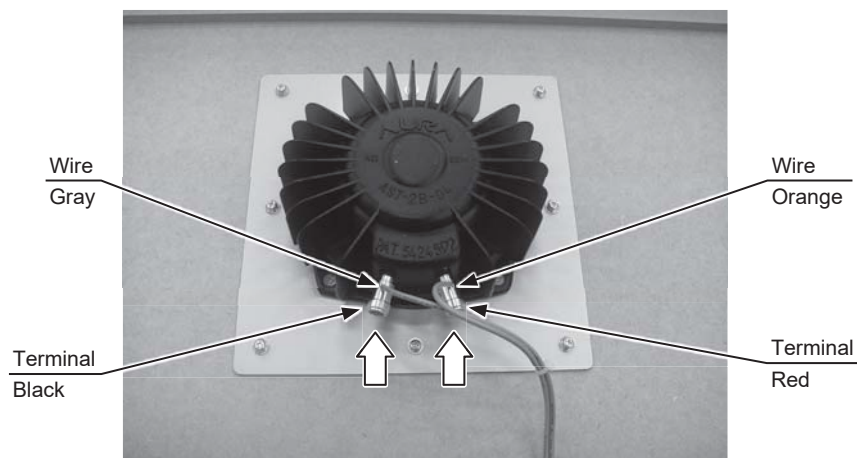


### 4 Remove five tamperproof screws and take off the Seat unit.

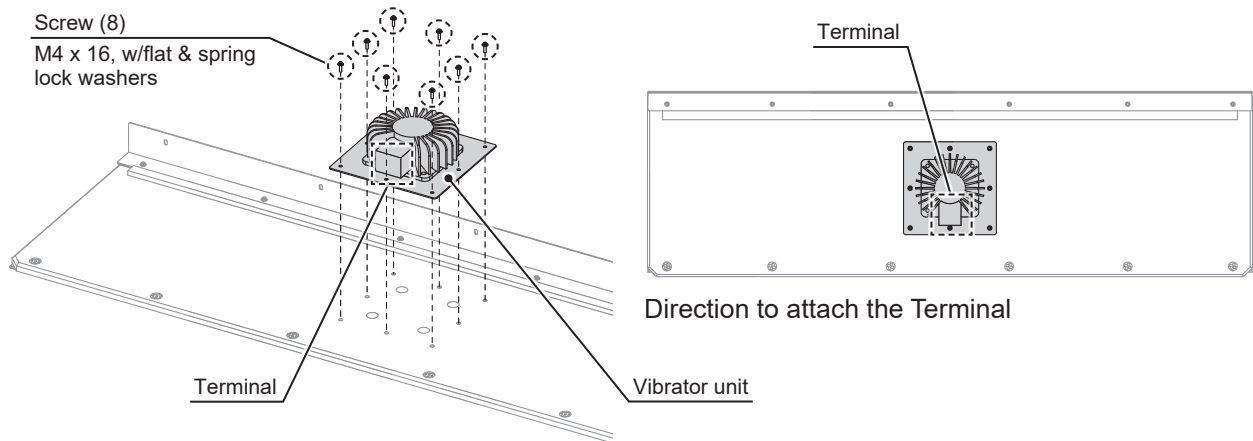


13

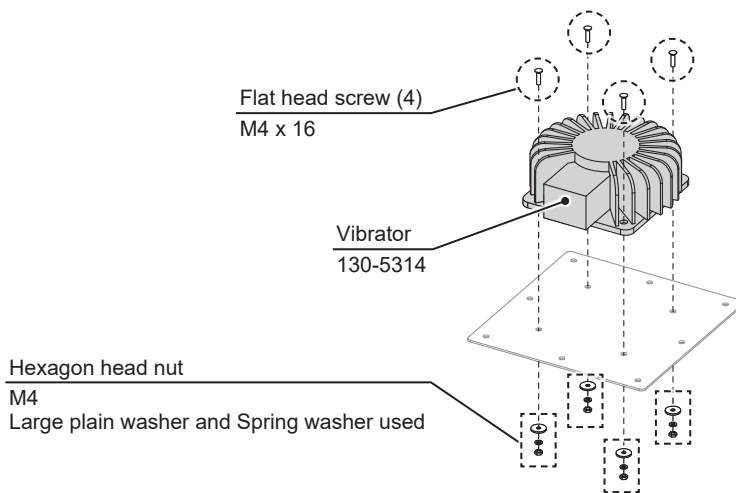
### 5 Press the Terminal and disconnect the wires. When connecting, be careful with the colors of wires.



- 6 Remove eight screws and take off the Vibrator unit. When attaching, be careful with the direction of the Terminal.



- 7 Remove four flat head screws and four hexagon head nuts and take off the Vibrator. When attaching, apply threadlocker to the fasteners.



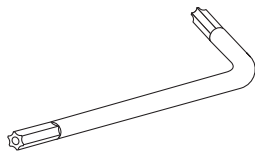
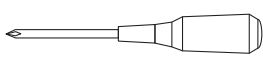
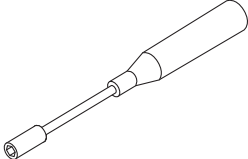
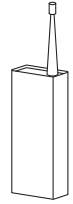
- 8 Refer to steps 2 to 7 and work in reverse order to attach the replacement Vibrator and reassemble the cabinet.

## 13-2 REPLACING THE STEP VIBRATOR

### STOP IMPORTANT

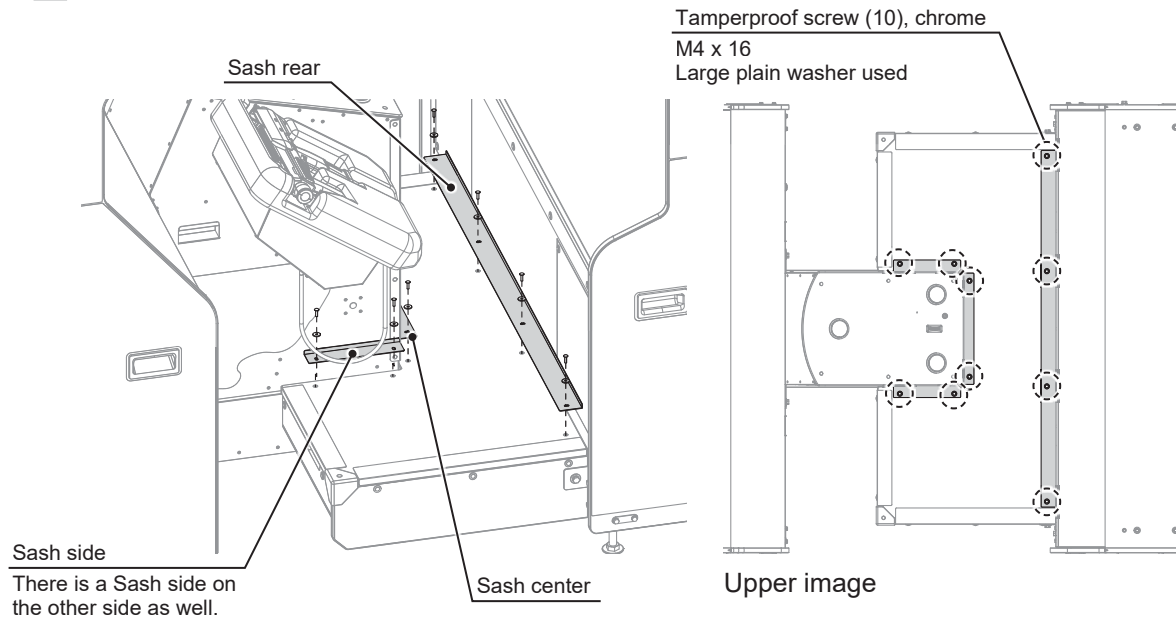
Be sure to apply threadlocker (Three Bond 1401C, Sega part number : 090-0012) to the areas specified in the instructions. Do not apply excessive threadlocker. Apply one or two drops to two or three screw threads. Also, do not apply threadlocker anywhere other than the designated areas. Doing so may cause malfunction or alter the material properties of the parts.

#### Tools necessary for work

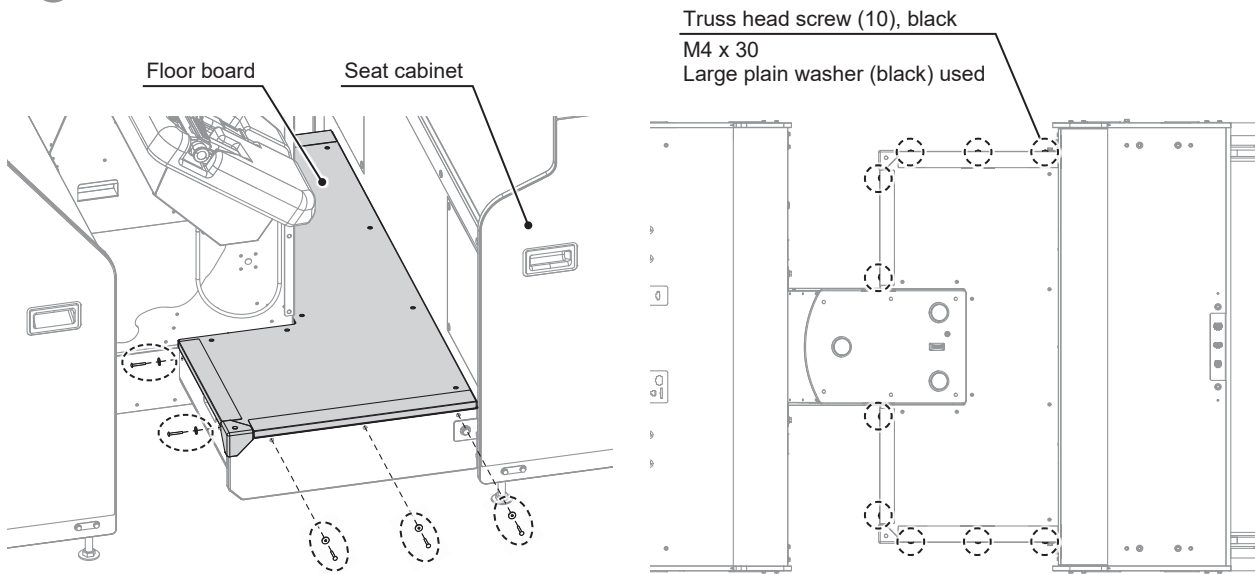
 <p>Tamperproof wrench (For M4)</p>	 <p>Phillips screwdriver (For M4)</p>	 <p>Nut driver (WAF 7 mm [For M4])</p>	 <p>Threadlocker</p>
--	--	--	---

1 Turn OFF the power switch.

2 Remove 10 tamperproof screws and take off the Sash center, two Sash side and Sash rear.



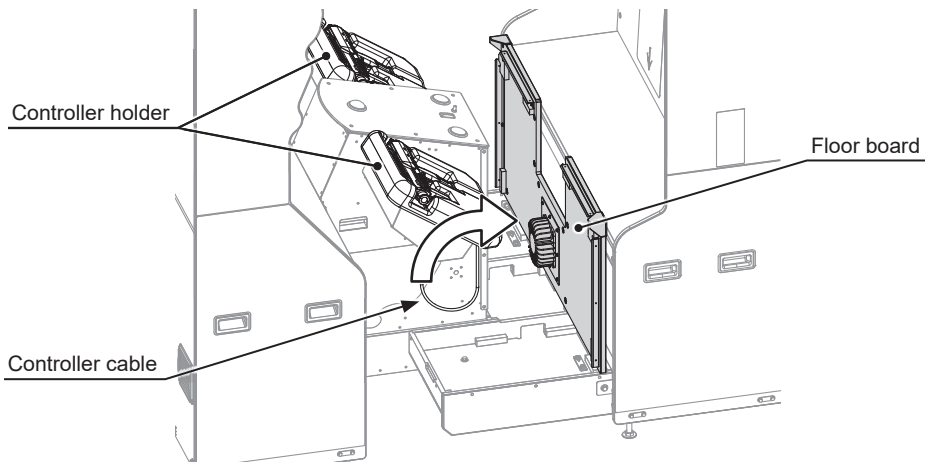
**3** Remove 10 truss head screws that are securing the Floor board.



There are truss head screws on the other side as well.

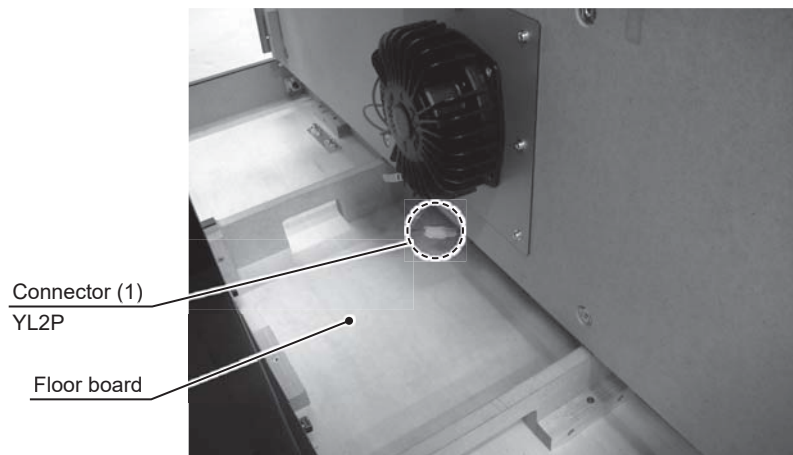
Upper image

**4** Have two people support the Floor board, and erect it up against the Seat cabinet as shown below. When doing this, make sure not to damage the Controller holder or Controller cable. Have one person continue to support the Floor board until step 5 is finished.

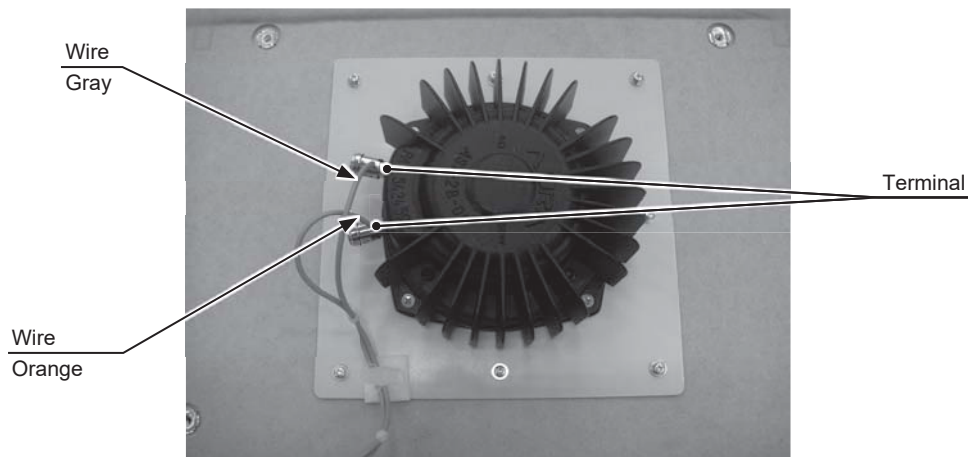


13

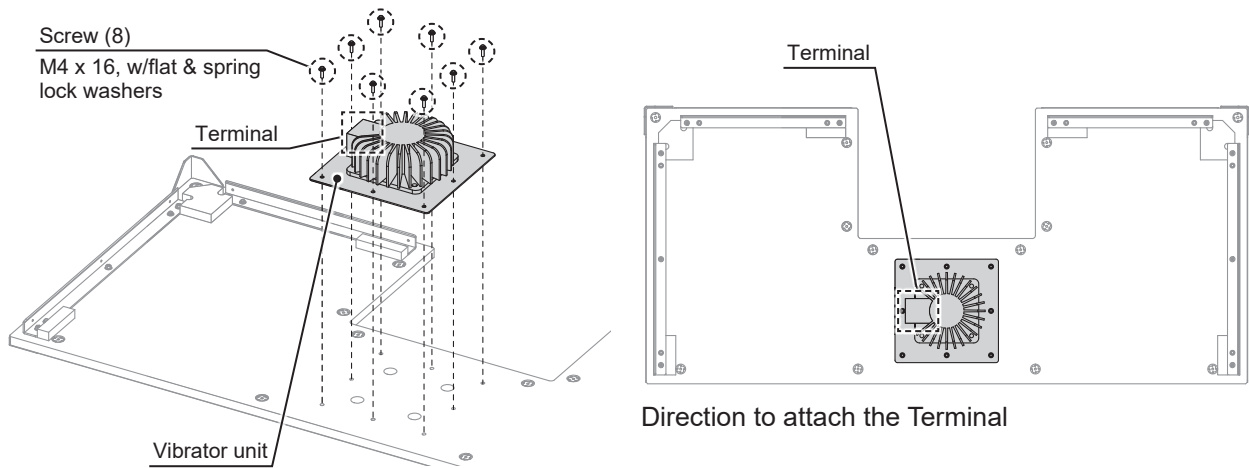
**5** Disconnect the connector, take off the Floor board.



- 6 Press the Terminal and disconnect the wires. When connecting, be careful with the colors of wires.

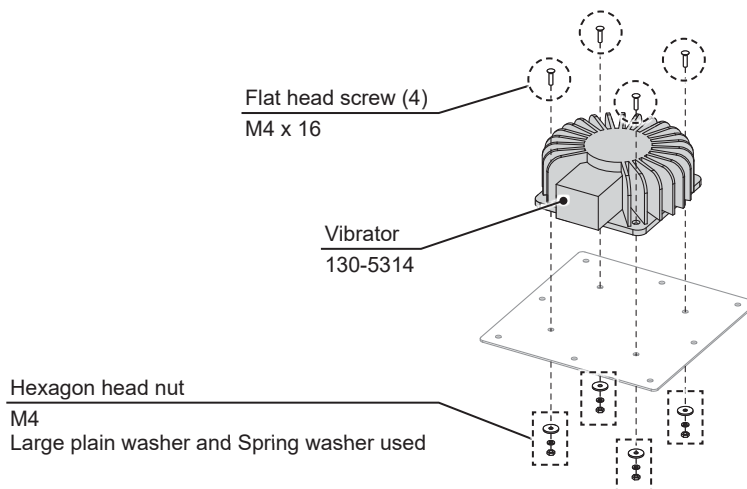


- 7 Remove eight screws and take off the Vibrator unit. When attaching, be careful with the direction of the Terminal.



13

- 8 Remove four flat head screws and four hexagon head nuts and take off the Vibrator. When attaching, apply threadlocker to the fasteners.



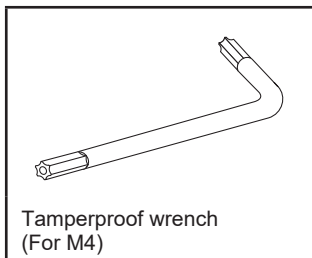
- 9 Refer to steps 2 to 8 and work in reverse order to attach the replacement Vibrator and reassemble the cabinet.

## 14 REPLACING THE REAR COVER BUTTON SWITCH

### ⚠ WARNING

- This work should be performed by site maintenance personnel or other qualified professionals. Work performed by non-technical personnel can cause a severe accident such as an electric shock.
- Before starting work on the product, be sure to turn the power off. Working while the power is on can cause an electric shock, short circuit or fire.

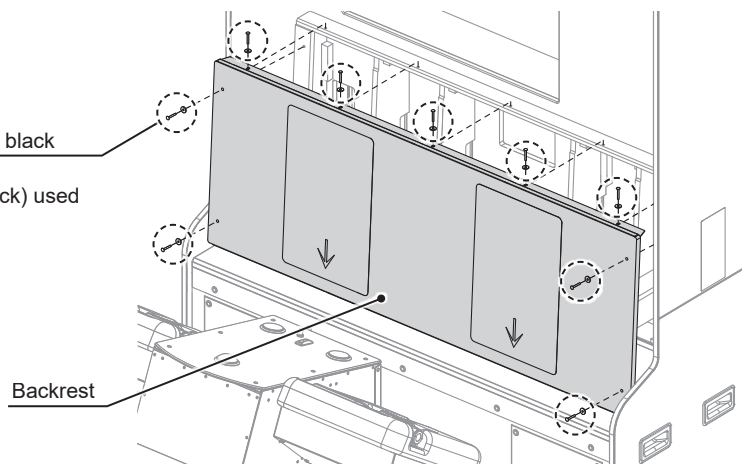
#### Tools necessary for work



1 Turn OFF the power switch.

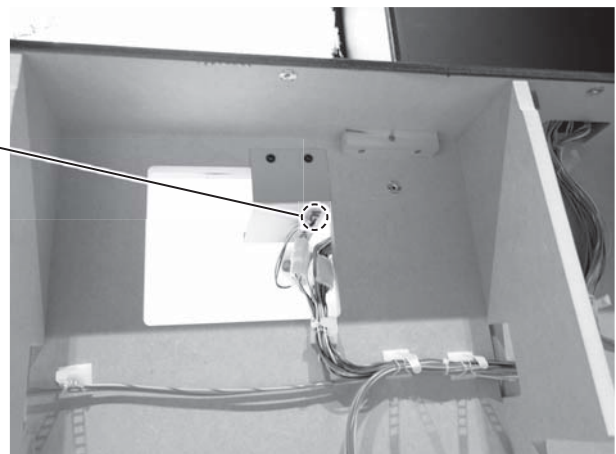
2 Remove nine tamperproof screws and take off the Backrest.

Tamperproof screw (9), black  
M4 x 30  
Large plain washer (black) used

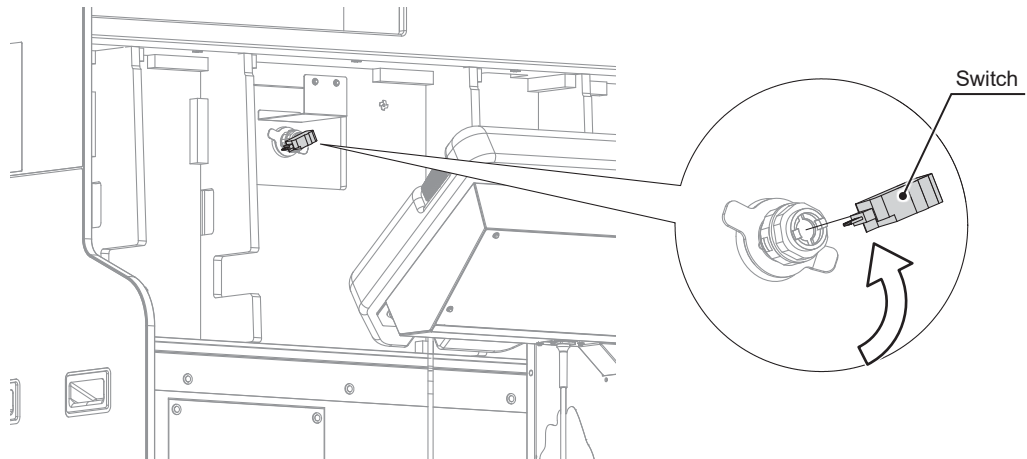


3 Undo one cord clamp.

Cord clamp (1)

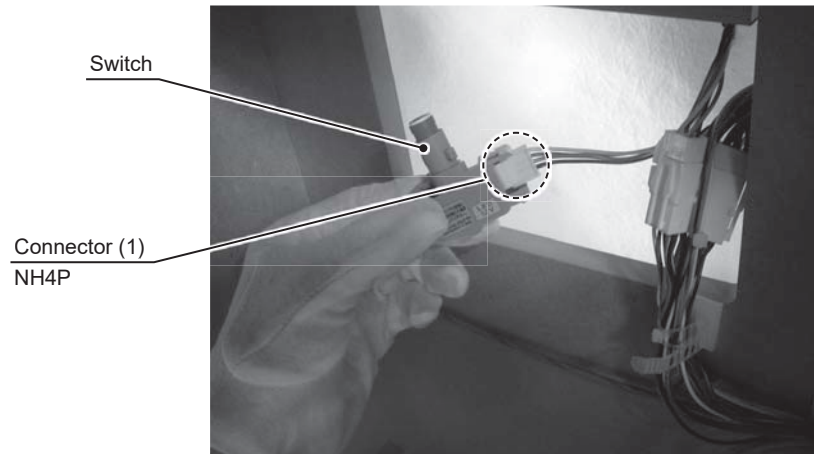


- 4 Rotate the switch 45 degrees counter-clockwise to release the lock and take off the switch. Be careful not to damage the cables.



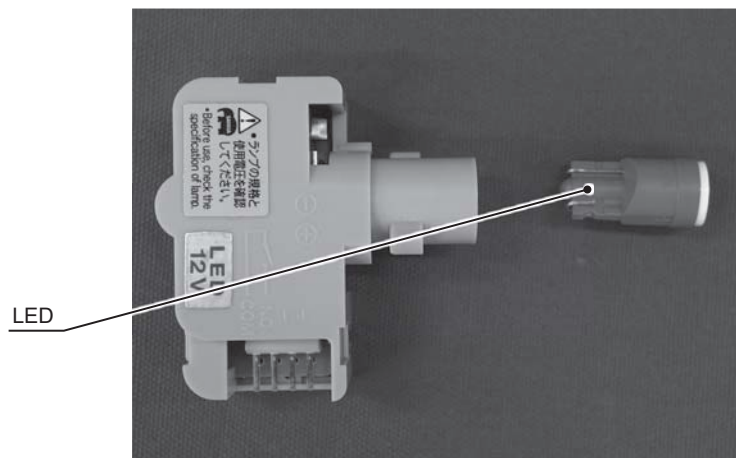
Inside the Seat cabinet

- 5 Disconnect the connector of the switch.



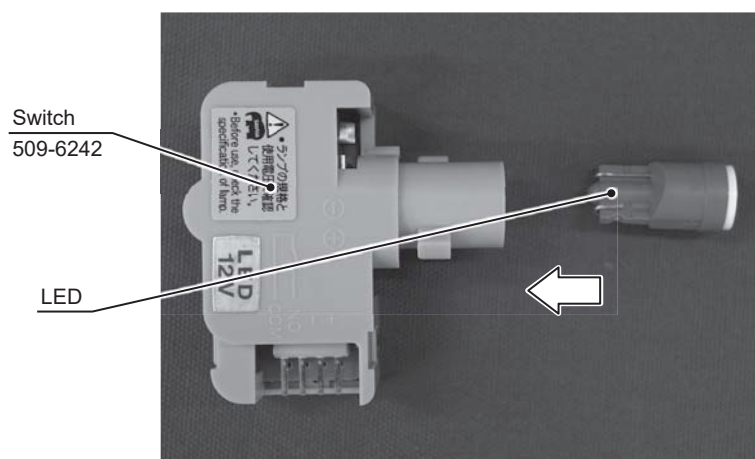
14

- 6 Disconnect the LED.





- 
- 7 Attach the LED that was taken off in step 6 to the replacement switch. When doing this, ensure that the "+" marked on the LED and switch are aligned.



- 
- 8 Refer to steps 2 to 5 and work in reverse order to attach the replacement switch and reassemble the cabinet.

## 15 REPLACING THE AIR GIMMICK SPEAKER

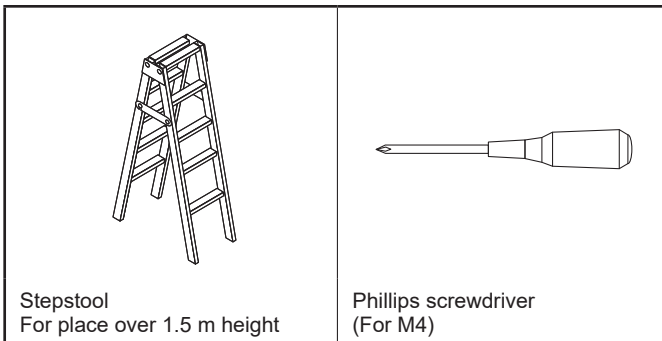
### WARNING

- This work should be performed by site maintenance personnel or other qualified professionals. Work performed by non-technical personnel can cause a severe accident such as an electric shock.
- Before starting work on the product, be sure to turn the power off. Working while the power is on can cause an electric shock, short circuit or fire.
- To perform work safely and securely, be sure to prepare a stepstool which is in a secure and stable condition. Performing work without using a stepstool can lead to accidents.
- Exercise proper caution when using a stepstool to perform work. Falling or tipping over could result in a major accident. Also, if the ceiling is low, you could bump your head.

### CAUTION

If all affixed fasteners (screws, nuts, and washers) are removed, parts will fall off and cause accidents. Ensure that parts are firmly supported when removing affixed fasteners.

#### Tools necessary for work

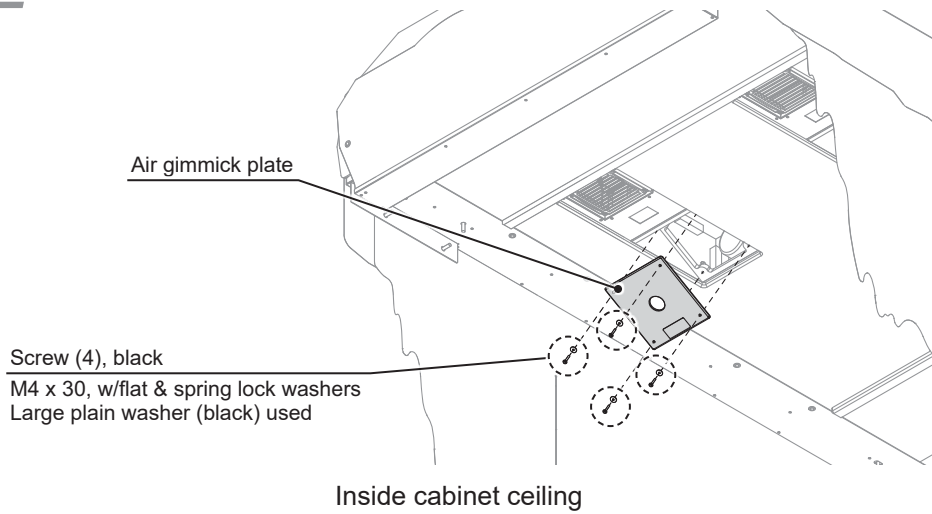


This manual explains how to replace the Air gimmick speaker on the 1P side. The Air gimmick speaker on the 2P side can also be replaced with the same steps.

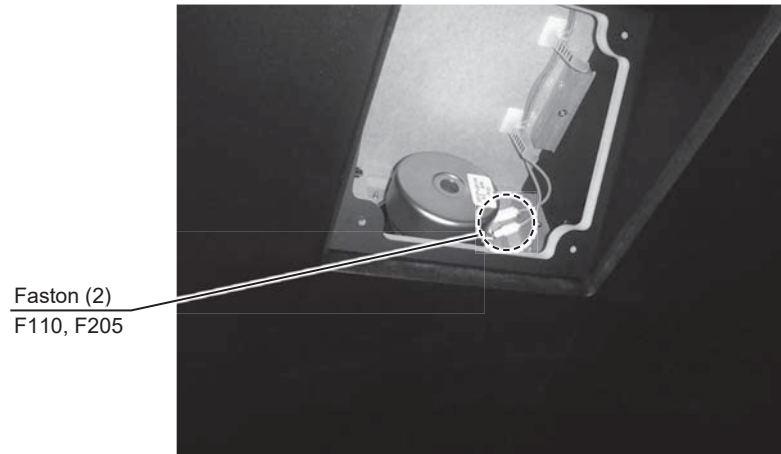
The figure only shows the Roof for easy reference.

- 1 Turn OFF the power switch.

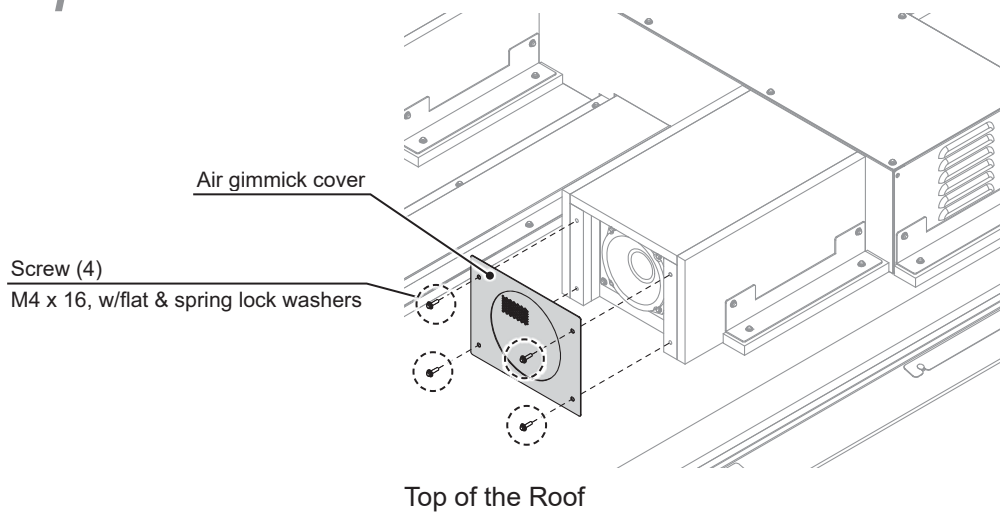
- 2 While supporting the parts, remove four screws and take off the Air gimmick plate.



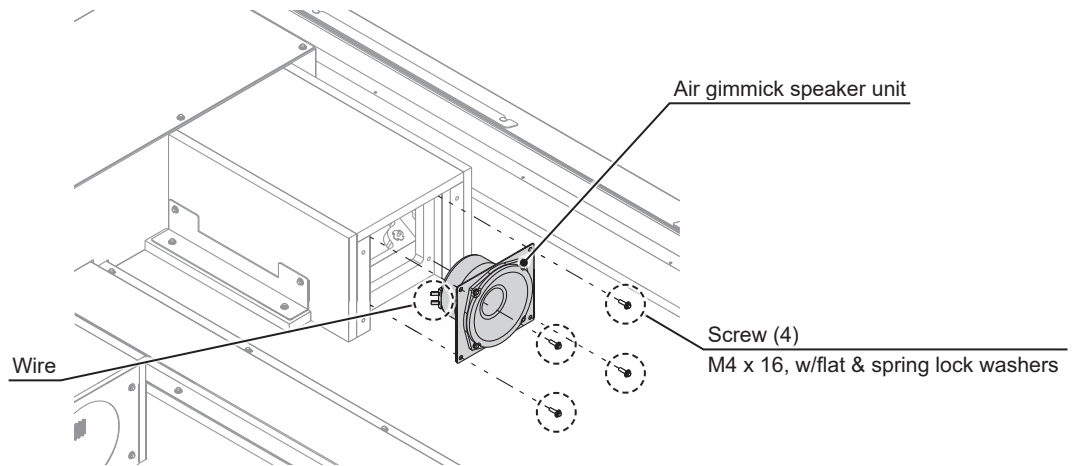
- 3 Disconnect two connectors.



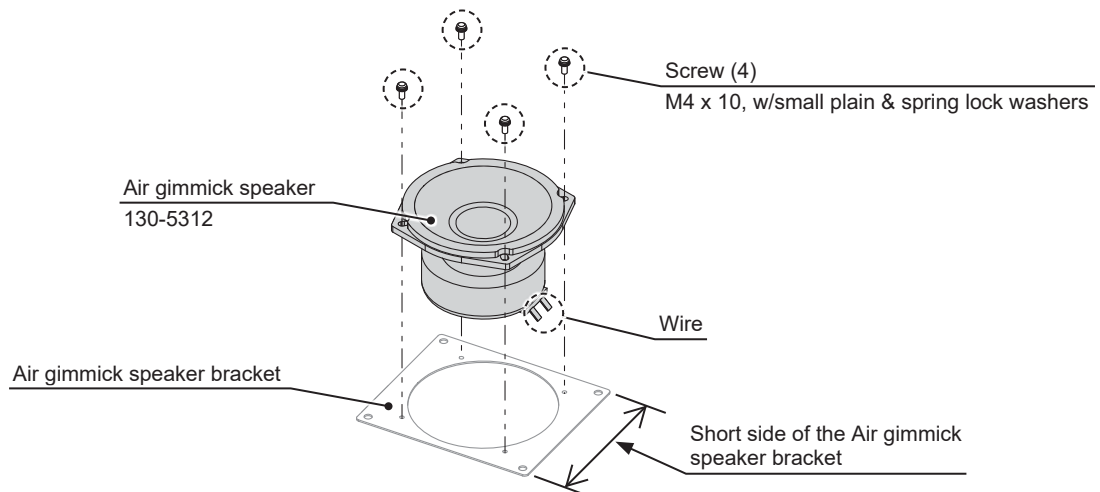
- 4 Remove four screws and take off the Air gimmick cover.



- 5** Remove four screws and take off the Air gimmick speaker unit.  
When attaching the Air gimmick speaker unit, ensure that the wires are positioned as shown below.



- 6** Remove four screws and take off the Air gimmick speaker.  
When attaching the Air gimmick speaker, ensure that the Air gimmick speaker wires are on the short side of the Air gimmick speaker bracket.



## 16 ALLS UX W S/B (ALLS UX WITH SOUND BOARD)

### WARNING

- This work should be performed by site maintenance personnel or other qualified professionals. Work performed by non-technical personnel can cause a severe accident such as an electric shock.
- Before starting work on the product, be sure to turn the power off. Working while the power is on can cause an electric shock, short circuit or fire.
- Be careful not to damage the cables. Damaged cables may cause an electric shock, short circuit or fire.
- Do not expose the ALLS UX W S/B or other boards. Failure to observe this can cause an electric shock or malfunction.
- No connectors other than those connected on the ALLS UX W S/B when first delivered can be used by this product. Do not connect any other cables to any of the unused connectors. It may lead to fire.
- When returning the ALLS UX W S/B to the cabinet following repairs or replacements, make sure that there are no errors in the connection of connectors. Erroneous connections can lead to an electric shock, short circuit or fire.
- Be careful with the direction when connecting connectors. The connector must be connected in the proper direction. If it is connected in the wrong direction or indiscriminately at an incline so that a load is applied, the connector or its terminal pins could break, causing an electrocution, short circuit or fire.

16

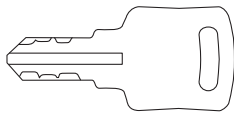
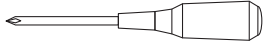
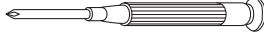
 STOP

### IMPORTANT

- Static electricity from your body may damage some electronic devices on the IC boards. Before handling the IC boards, touch a grounded metallic surface so that any static electricity is discharged.
- When requesting replacement or repair of the ALLS UX W S/B, pack it securely so that it will not get damaged during shipping.
- When holding the ALLS UX W S/B, always hold the sheet metal part. Do not hold the board or fan.

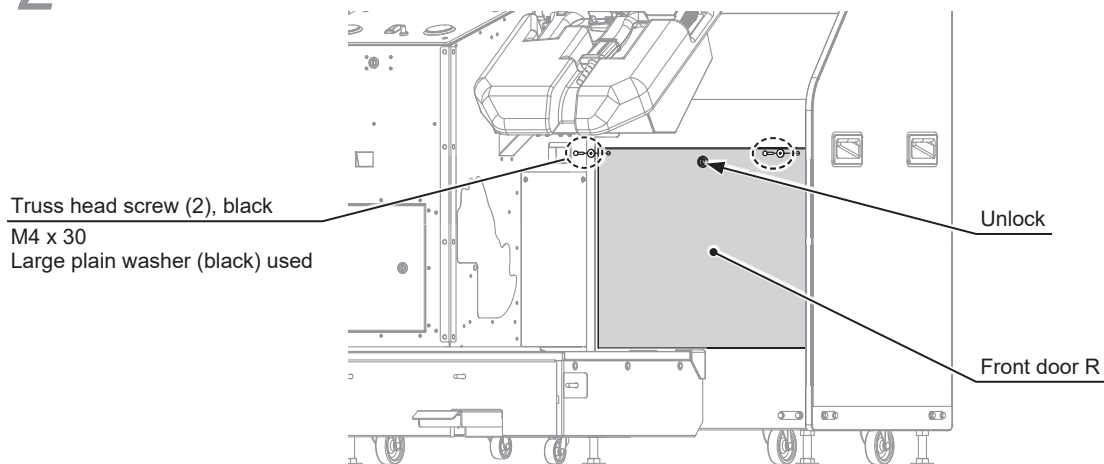
## 16-1 REMOVING THE ALLS UX W S/B

### Tools necessary for work

 <p>Master key (Accessory)</p>	 <p>Phillips screwdriver (For M4)</p>	 <p>precision screwdriver</p>
---	--	---

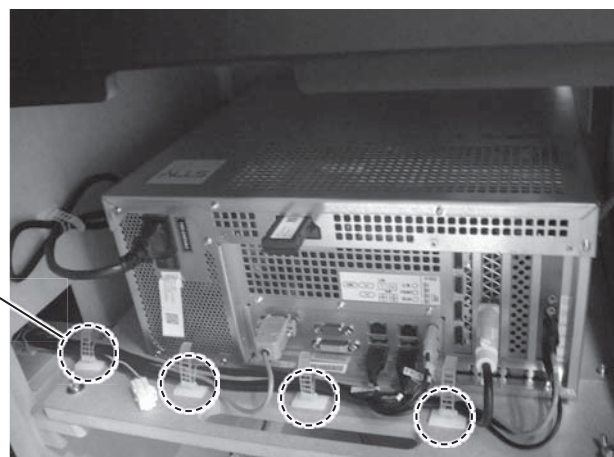
1 Turn OFF the power switch.

2 Remove two truss head screws. Unlock Front door R with the master key and then remove it.



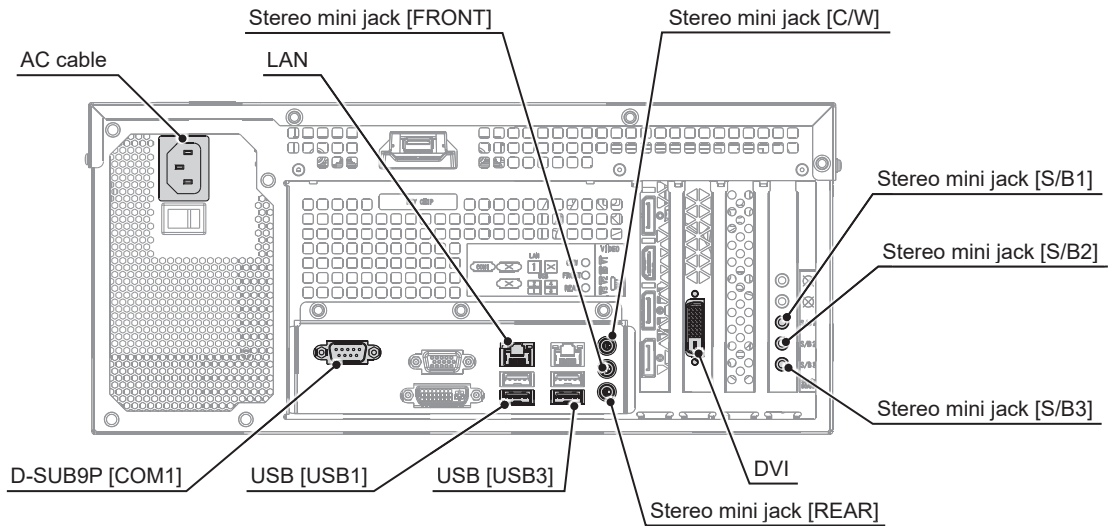
3 Undo four cord clamps.

Cord clamp (4)  
YL2P



- 4 Disconnect the 12 connectors. When doing this, disconnect the D-SUB9P and DVI connector after loosening the fixing screw. Use a precision screwdriver on the D-SUB9P connector.

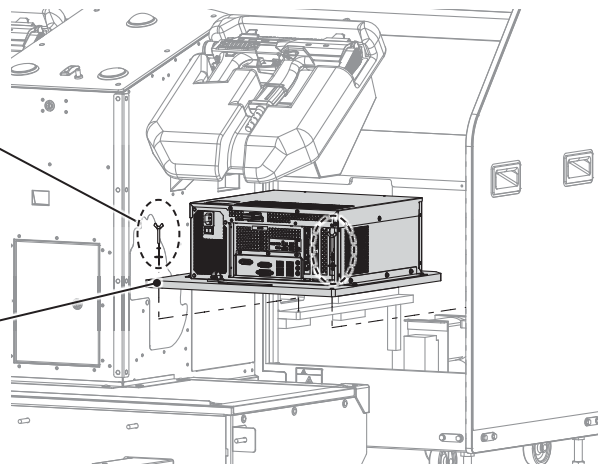
*NOTE: Only the connector information is listed in this step*



- 5 Remove two wing bolts and pull out the wooden base. Be careful not to damage the cables.

Wing bolt (2)  
M4 x 30  
Large plain washer and spring washer used

Wooden base



## 16-2 CLEANING THE ALLS UX W S/B

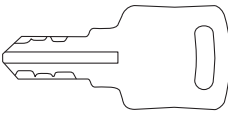
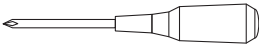
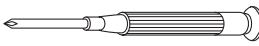
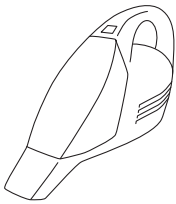
### CAUTION

Immediately after turning OFF the power supply, do not touch the ALLS UX W S/B as the area near the exhaust outlet may be hot. Perform work after it has cooled down sufficiently.

### IMPORTANT

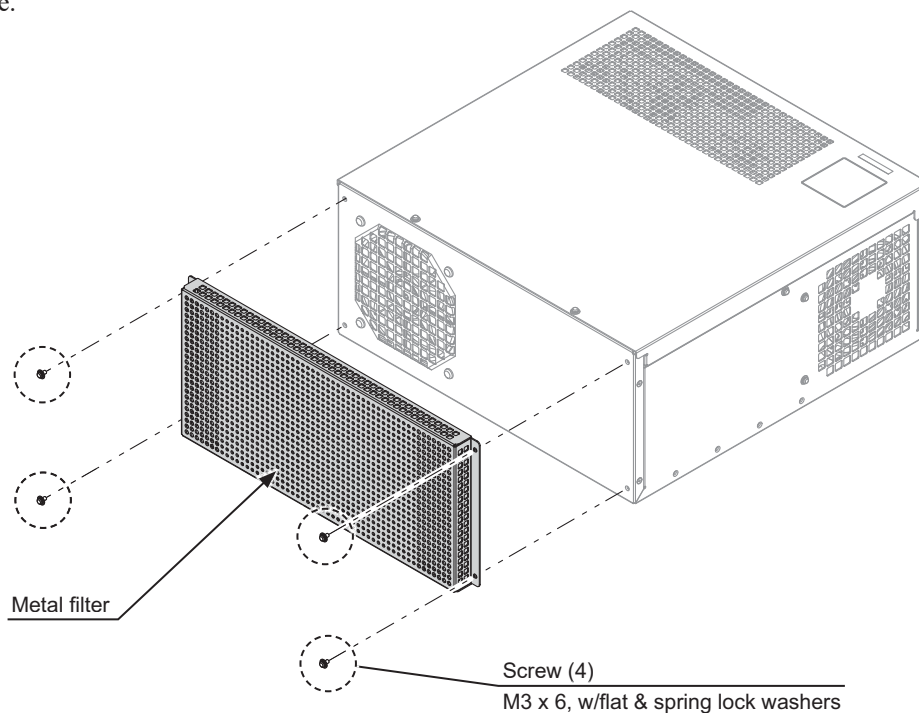
Clean the ALLS UX W S/B once a year or when "Error 0091" is displayed. If dust accumulates inside the ALLS UX W S/B, it could lead to malfunction or other troubles.

#### Tools necessary for work

 <p>Master key (Accessory)</p>	 <p>Phillips screwdriver (For M3, M4)</p>	 <p>Precision screwdriver</p>	 <p>Vacuum cleaner</p>
---	--	---	--

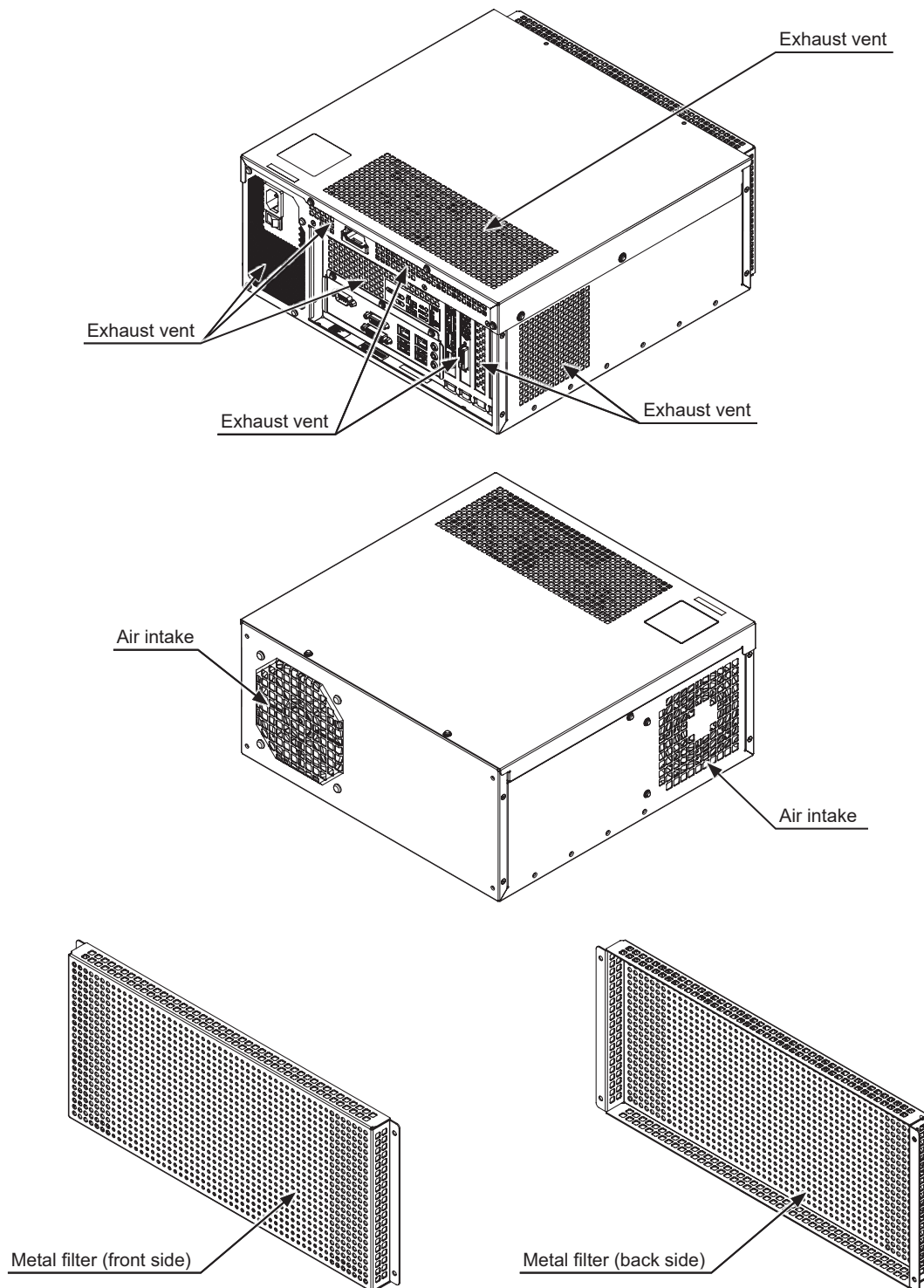
**1** Refer to "16-1" and work in the same order to take off the ALLS UX W S/B.

**2** Remove four screws and take off the Metal filter. The screws are on the opposite side of the connector face.





- 3 Clean the area around the ALLS UX W S/B exhaust and intake vents and the front and back of the metal filter with a vacuum.



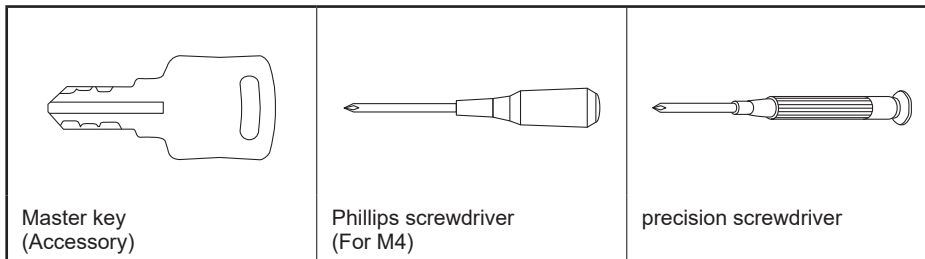
- 4 Clean around installment parts of the ALLS UX W S/B in the cabinet with a vacuum cleaner. Be careful not to damage the cables.

- 5 Refer to step 2 and attach the metal filter with four screws.

- 6 Refer to "16-1" and work in reverse order to attach the ALLS UX W S/B.

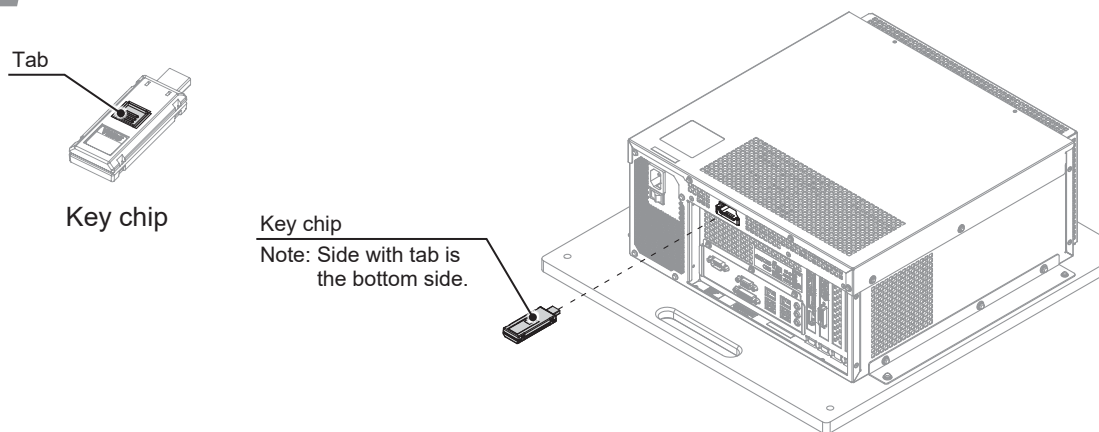
## 16-3 REPLACING THE ALLS UX W S/B

### Tools necessary for work



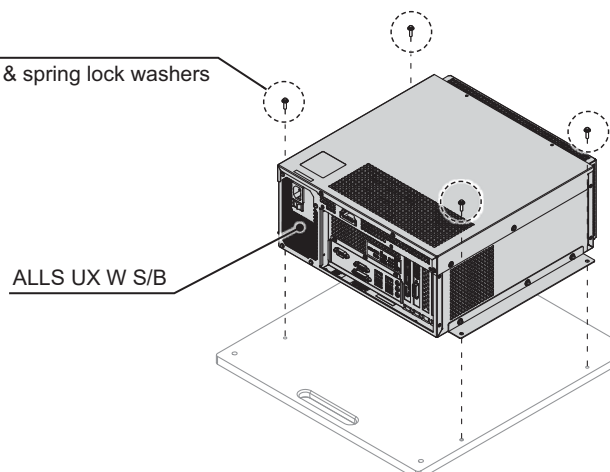
**1** Refer to "16-1" and work in the same order to take off the ALLS UX W S/B.

**2** Remove the key chip. When doing this, press in the tab while removing the key chip.

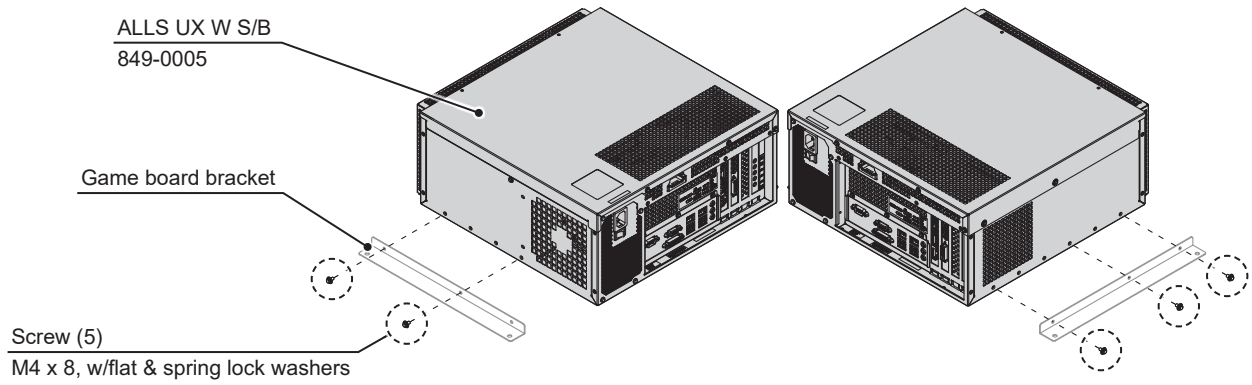


**3** Remove four screws and take off the ALLS UX W S/B.

Screw (4)  
M4 x 16, w/flat & spring lock washers



- 
- 4** Remove five screws and take off the Game board brackets from ALLS UX W S/B.



- 
- 5** Refer to steps 1 to 4 and work in reverse order to attach the replacement ALLS UX W S/B and reassemble the cabinet.

## 17 SOFTWARE INSTALLATION

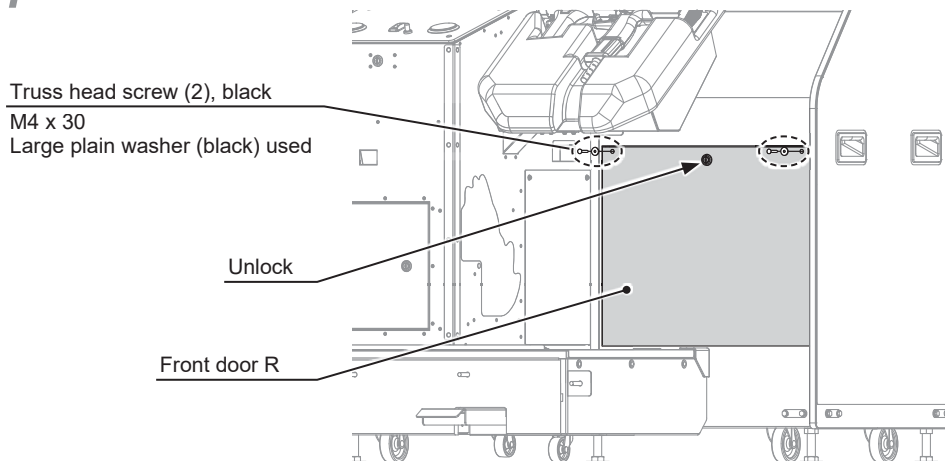
### STOP IMPORTANT

- Static electricity from your body may damage some electronic devices on the IC board. Before handling the IC board, touch a grounded metallic surface so that the static electricity can be discharged.
- Never remove the USB memory at any point during the software installation other than when instructed. Doing so may damage the internal data.
- Never turn ON/OFF the power switch at any point during the software installation other than when instructed. Doing so may cause the software installation to fail or stop functioning.
- Do not start any other work until the installation work is complete.
- Do not press the TEST button or reset button until the software installation is complete (100%). Doing so may interrupt the installation and you may not be able to start up.

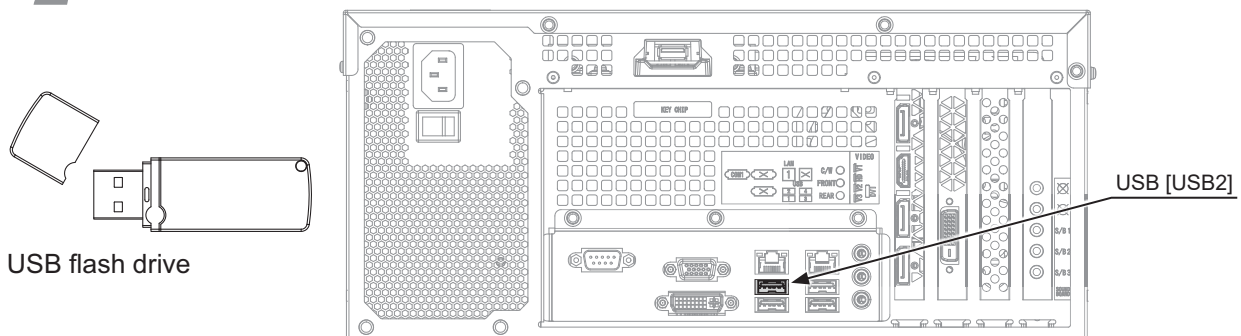
Connect the USB flash drive for software installation.

The work time (including software installation) will be approximately 25 minutes for one cabinet. It may take more time if a system update is necessary.

- 1 Remove two truss head screws. Unlock Front door R with the master key and then take it off.



- 2 Connect the USB flash drive to the ALLS UX W S/B.



- 
- 3** Turn ON the main power switch.
- 
- 4** The ALLS UX W S/B startup screen is displayed on the LCD screen.
- 
- 5** Wait for at least one minute. "Install Game Program ○/○ ○○%" will be displayed on the LCD screen and the software starts installation from the USB flash drive automatically.  
Do not turn OFF the cabinet during the software installation.  
The game starts up automatically when the software installation is complete.

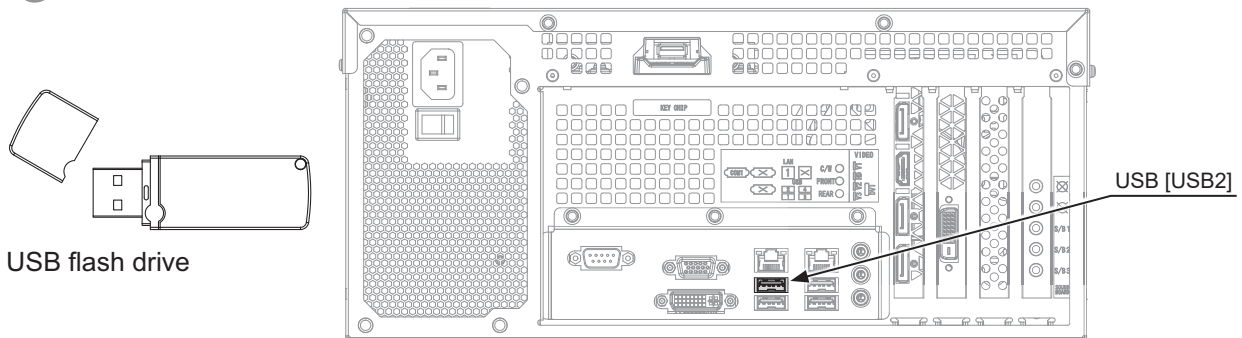
**[Time required: Approximately 15 minutes]**

- 
- 6** A system update is performed.  
When it is not necessary, it proceeds to step 7.

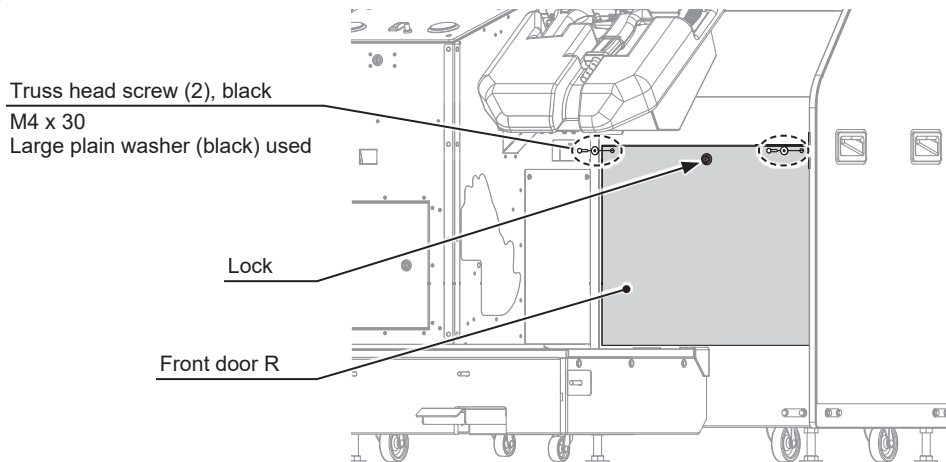
**[Time required: Approximately 10 minutes]**

- 
- 7** Turn the switch OFF when "ERROR 0917 USB Flash Drive Remain Error" is displayed.

- 
- 8** Disconnect the USB flash drive.



- 
- 9** Attach Front door R with two truss head screws and lock it with the master key.



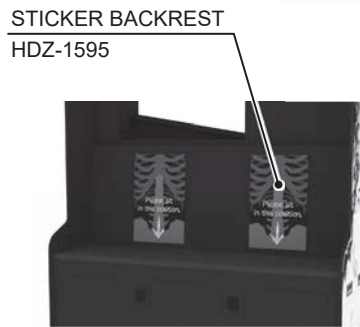
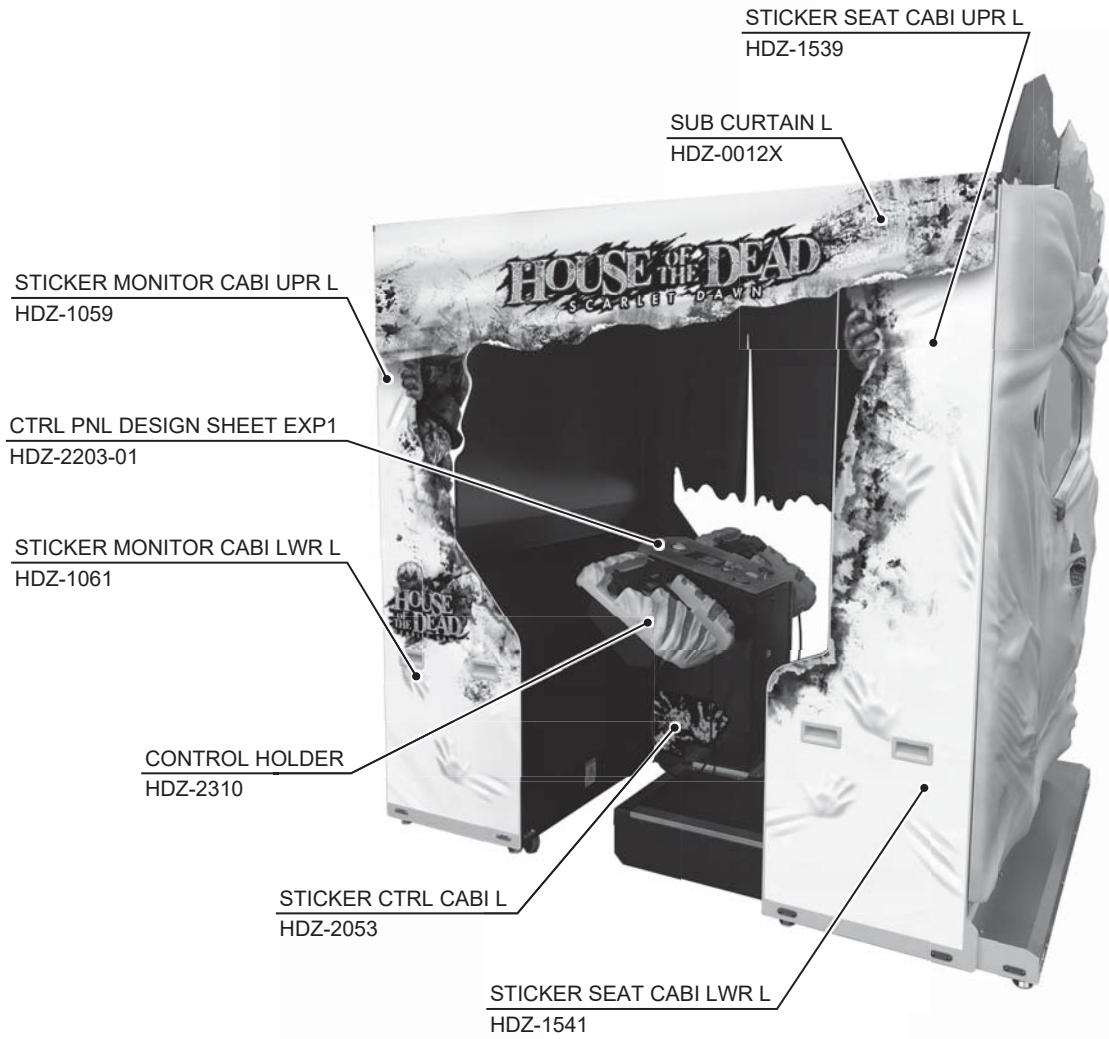
# 18 DESIGN RELATED PARTS



Control holder



Air gimmick speaker



Seat cabinet

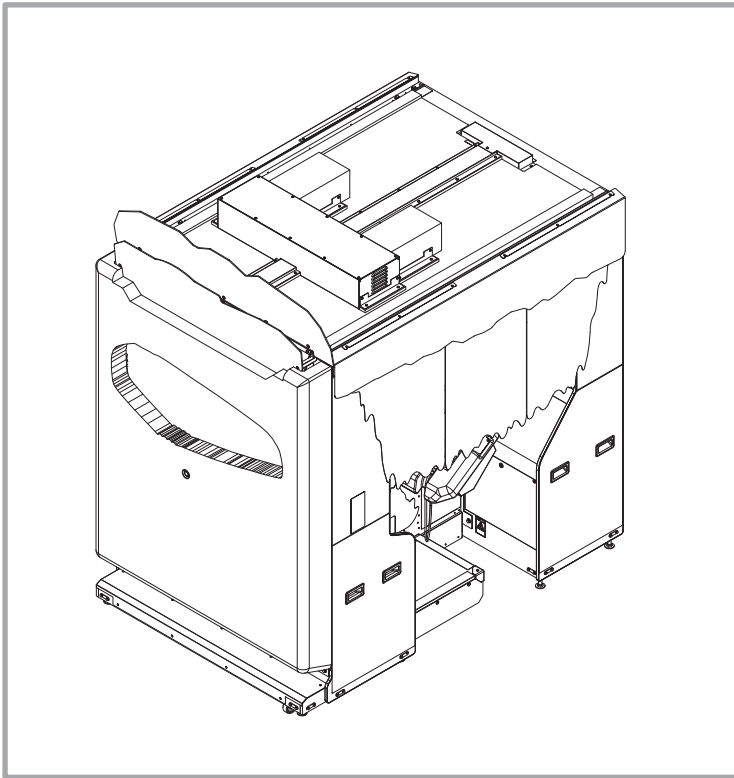


Top of LCD

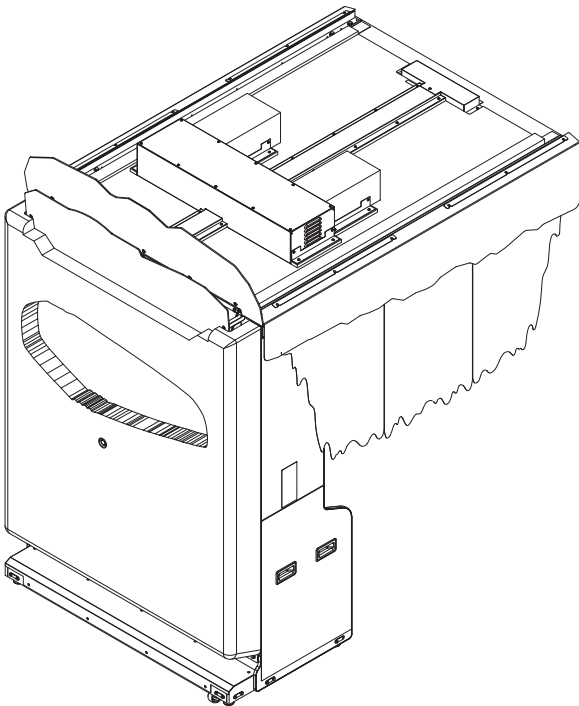


Right side of Control cabinet

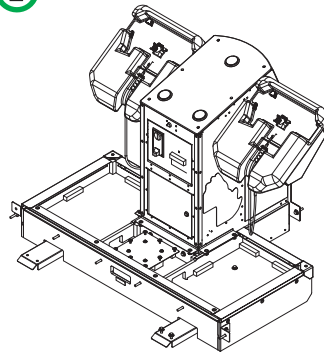
# 19 PARTS LIST



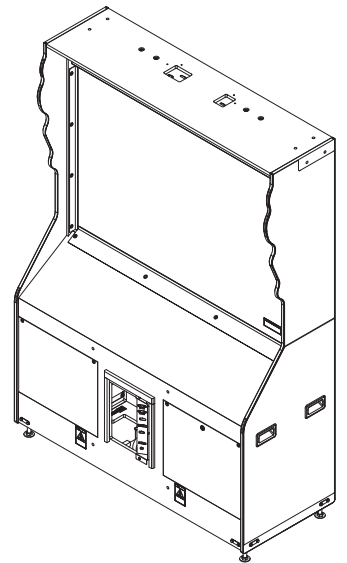
①



②



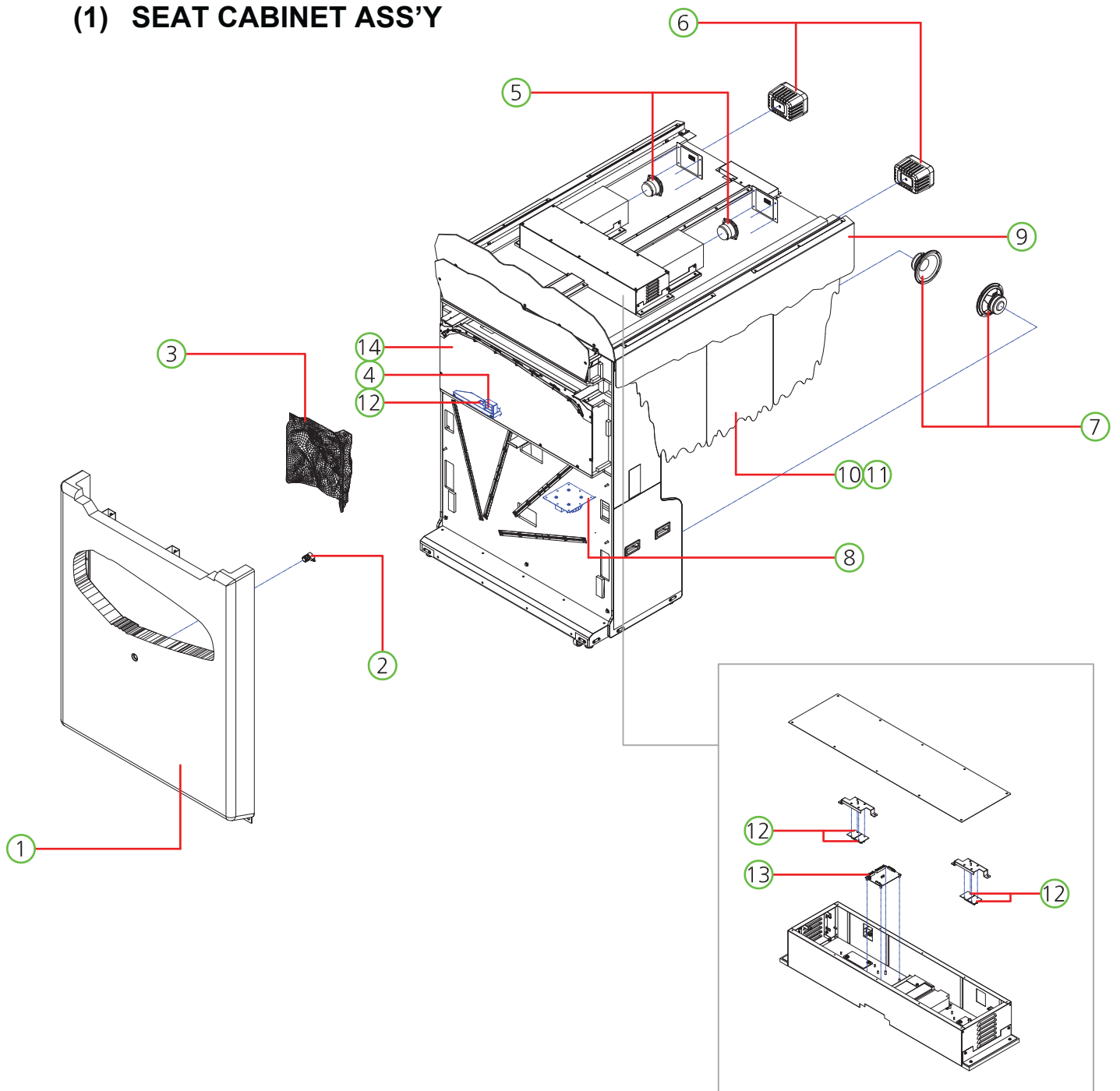
③



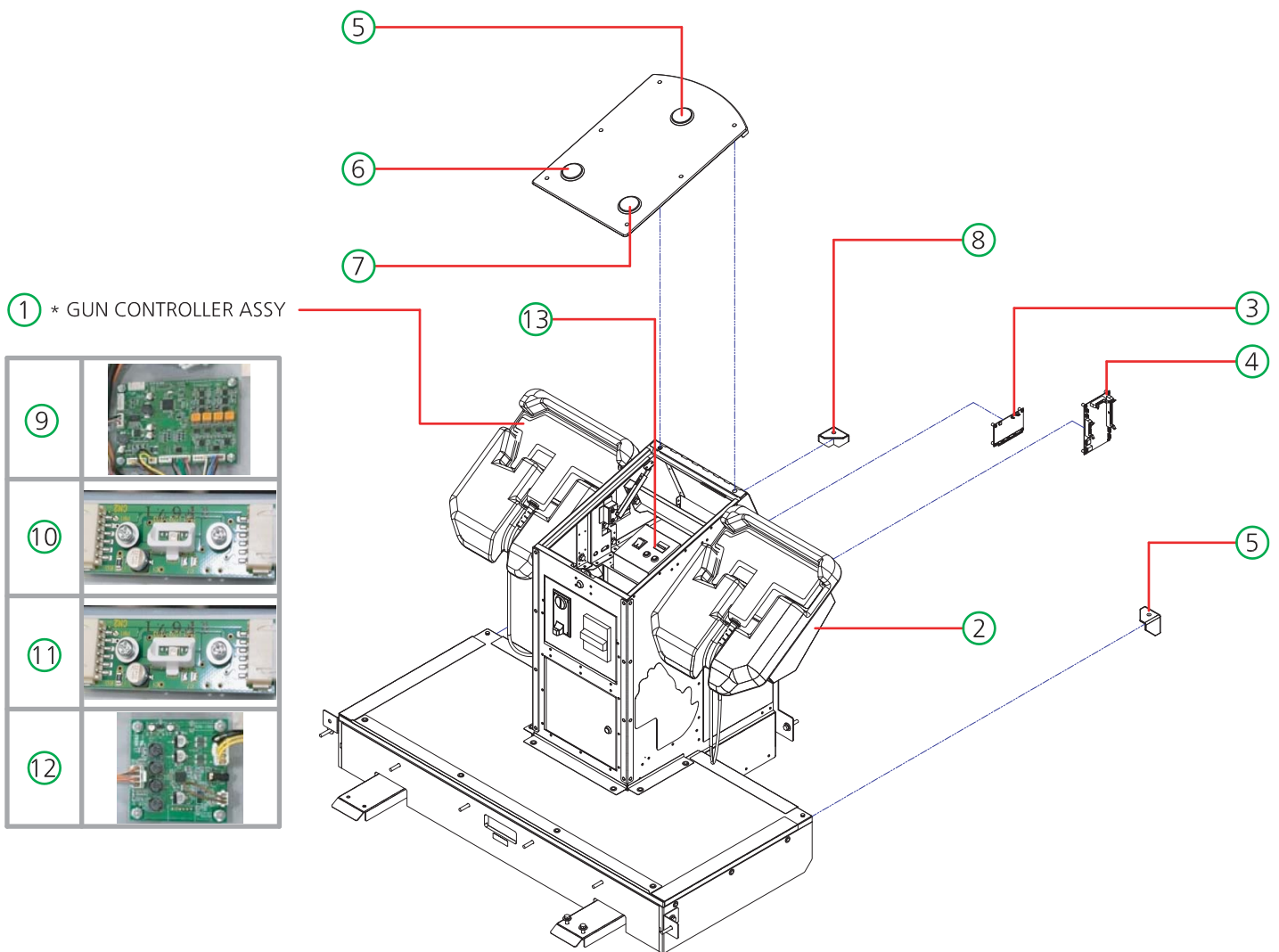
NO.	PART NAME	SPEC.	QUANTITY	CODE NO.
1	SEAT CABINET ASS'Y	-	1	-
2	STEP CABINET ASS'Y	-	1	-
3	MONITOR CABINET ASS'Y	-	1	-



## (1) SEAT CABINET ASS'Y

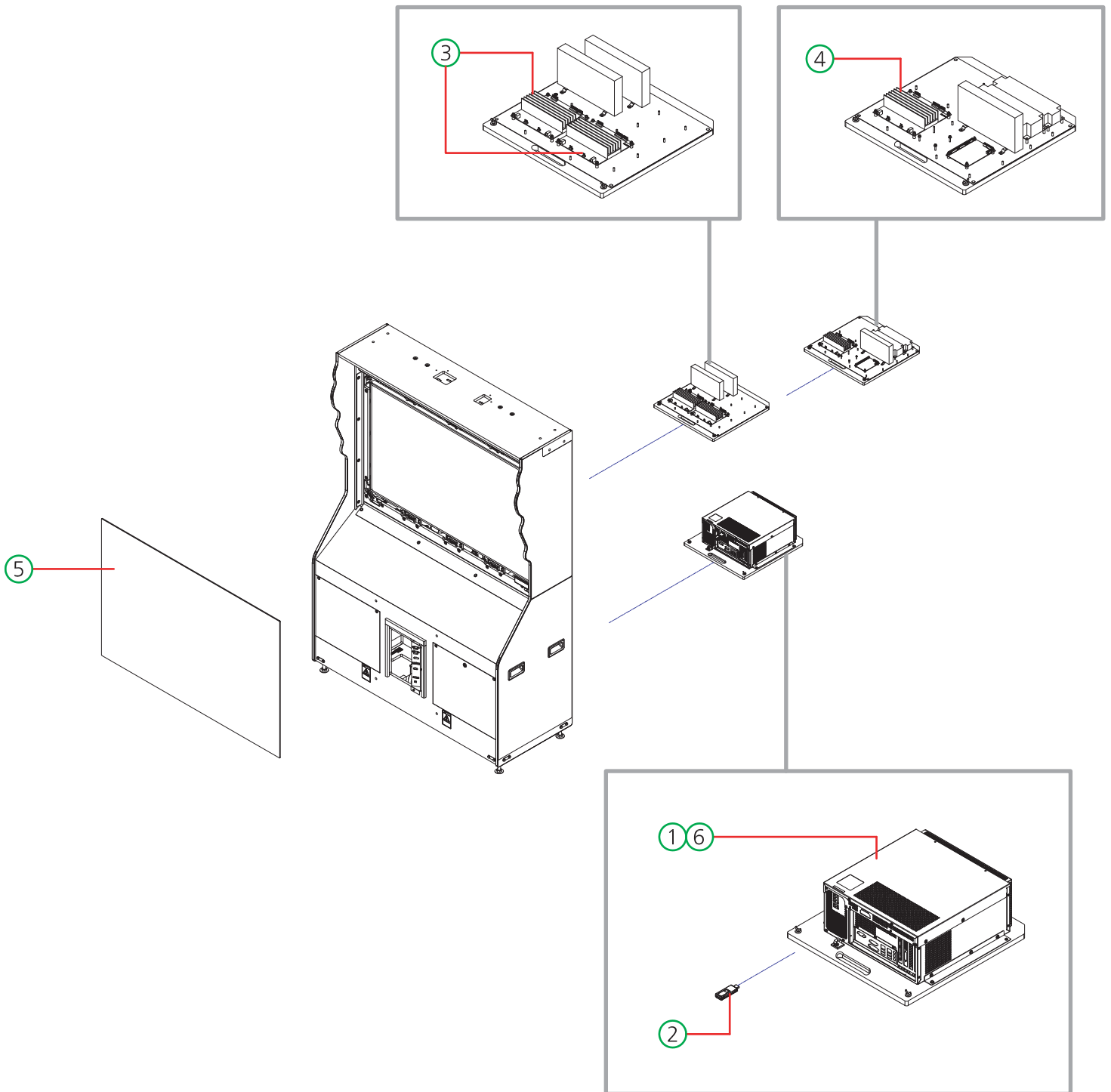


NO.	PART NAME	SPEC.	QUANTITY	CODE NO.	
1	REAR COVER ASS'Y	-	1	MHOD0KIT024	HDZ-1601
2	EYE BUTTON SWITCH	SW OBSA-30UMQ HDZ EYE	1	MHOD0KIT014	509-6466
3	REAR COVER	-	1	MHOD0KIT025	HDZ-1531
4	MOTION SENSOR	AMBA345208	1	MHOD0KIT026	370-5395
5	AIR CANNON	WOOFER 8OHM 40W 12CM	2	MHOD0KIT021	130-5312
6	SPEAKER	4OHM 40W S010D15104W	2	MHOD0KIT019	130-5310
7	WOOFER	WOOFER 7OHM 100W 20CM	2	MHOD0KIT020	130-5313
8	BASS SHAKER	ACT-50-4	2	MHOD0KIT022	130-5314
9	SIDE_CURTAIN_BLANK	-	2	MHOD0KIT028	HDZ-0011-A
10	SUB_CURTAIN_L_BLANK	-	1	MHOD0KIT029	HDZ-0013-A
11	SUB_CURTAIN_R_BLANK	-	1	MHOD0KIT030	HDZ-0012-A
12	RGB SPOTLIGHT LED PCB ASS'Y	-	6	MHOD0KIT010	838-19187
13	IC BOARD LED DRIVER PCB ASS'Y	32CH RS232	1	MHOD0KIT009	837-15070-04
14	WINDOW PLATE BLANK	-	1	MHOD0KIT027	HDZ-1532-A

**(2) STEP CABINET ASS'Y**

NO.	PART NAME	SPEC.	QUANTITY	CODE NO.	
1	GUN CONTROLLER ASSY	-	2	MHOD0KIT018	HDZ-2100-02
2	GUN HOLDER L, R	-	2	MHOD0KIT023	HDZ-2301
3	LED CONTROL PCB ASS'Y	IC BD USB TO 4SERIAL 232 IF	1	MHOD0KIT008	837-15067-02
4	IO PCB ASS'Y	I/O CONTROL BD 4 FOR USB	1	MHOD0KIT007	837-15257-01
5	LOUD BUTTON SWITCH	SW OBSA-60UMQ HDZ LOUD	1	MHOD0KIT013	509-6465
6	1P START BUTTON SWITCH	SW OBSA-60UM HDZ START P1	1	MHOD0KIT011	509-6463
7	2P START BUTTON SWITCH	SW OBSA-60UM HDZ START P2	1	MHOD0KIT012	509-6464
8	CORNER COVER	-	2	MHOD0KIT031	601-13235
9	GUN CPU PCB ASS'Y	-	1	MHOD0KIT004	838-19184
10	GUN LED PCB ASS'Y	-	6	MHOD0KIT005	HDZ-1130
11	GUN LED PCB ASS'Y	-	4	MHOD0KIT006	HDZ-1140
12	GUN AMP PCB ASS'Y	10W STEREO AMP	1	MHOD0KIT001	839-1383
13	COUNTER	-	1	MHOD0KIT035	220-5778

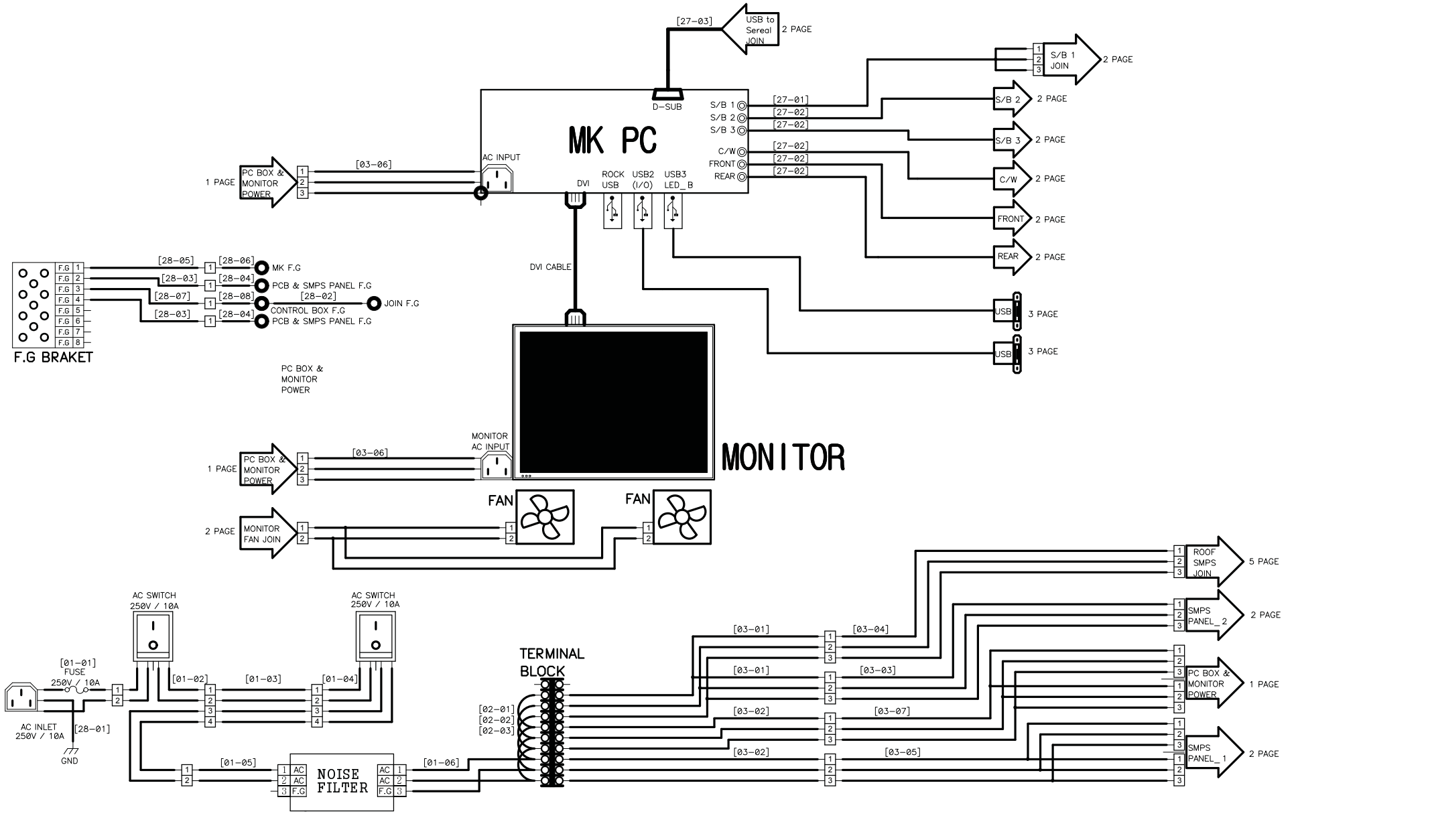
## (3) MONITOR CABINET ASS'Y



NO.	PART NAME	SPEC.	QUANTITY	CODE NO.	
1	GAME BOARD ASSY	-	1	MHOD0KIT015	849-0005
2	KEY CHIP	-	1	MHOD0KIT016	610-0937-013-BE
3	POWER AMP	60-100W AUDIO AMP	2	MHOD0KIT002	838-19183-01
4	POWER AMP	60-100W AUDIO AMP	1	MHOD0KIT003	838-19183-02
5	MONITOR MASK ACRYL	-	1	MHOD0KIT032	HDZ-1111
6	USB ROM	-	1	MHOD0KIT017	MDA-U0078

안다미로 1급 보안 문서  
 (당사 영업비밀 관리 규정 제27조(벌칙) 관계 법령에 의한 민. 형사상 책임과 사내 규정에 의하여 징계를 받을 수 있음)

MARK	DATE	REVISION
1		
2		
3		



REPRODUCTION, DISTRIBUTION AND UTILIZATION OF THIS DOCUMENT AS WELL AS COMMUNICATION OF ITS CONTENTS TO OTHERS WITHOUT EXPRESS AUTHORIZATION PROHIBITED. OFFENDERS WILL BE HELD LIABLE FOR THE PAYMENT OF DAMAGES. ALL RIGHT RESERVED. COPYRIGHT (c) ANDAMIRO

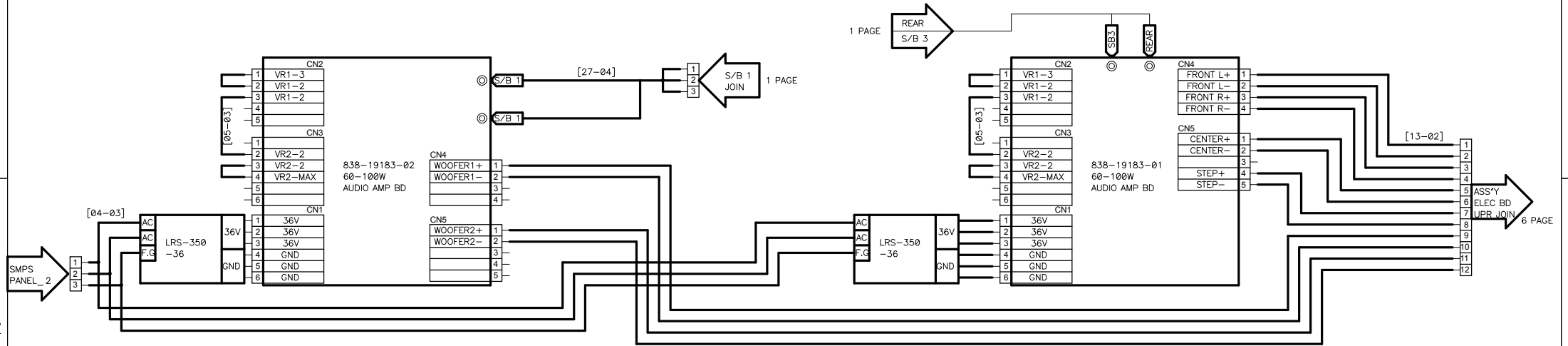
(복제, 배포 및 사용은 물론, 명시적 허가 없이는 타인에게 내용을 전달할 수 없으며 위반자는 손해 배상 책임을 집니다.)

DEPARTMENT	DRAWN BY	CHECKED BY	APPROVED BY	ITEM NAME	
H/W	H.B.KIM			DWG.NO	1 PAGE
ANDAMIRO				CODE.NO	
				DATE	2019.02.14

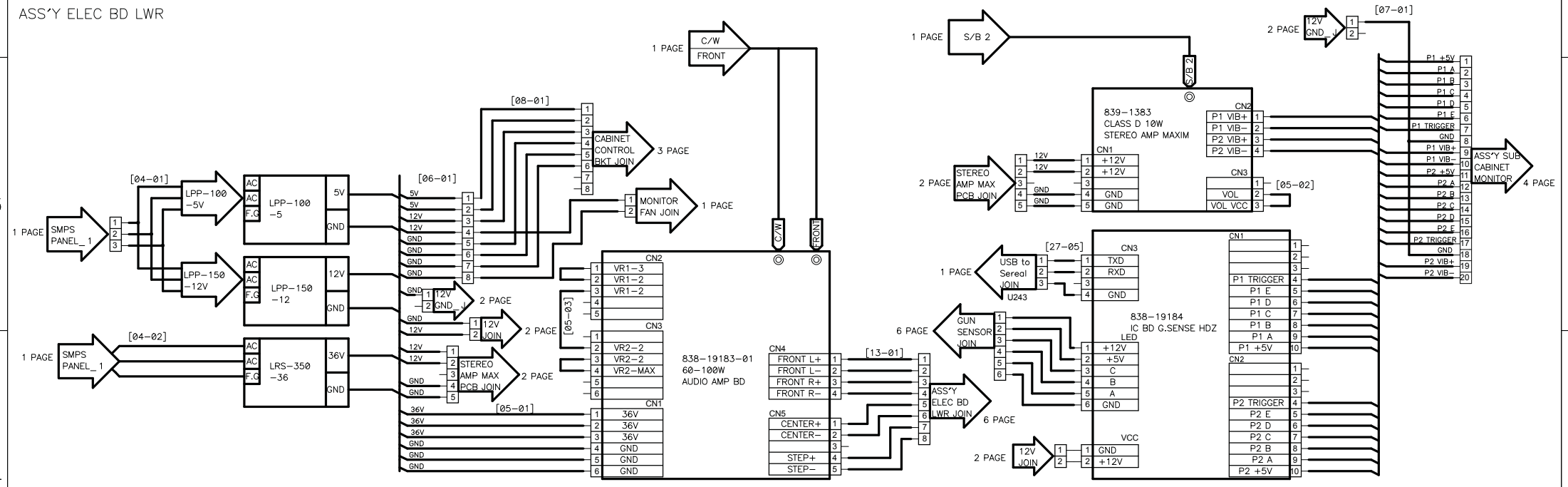
안다미로 1급 보안 문서  
 (당사 영업비밀 관리 규정 제27조(벌칙) 관계 법령에 의한 민. 형사상 책임과 사내 규정에 의하여 징계를 받을 수 있음)

ASS'Y ELEC BD UPR

MARK	DATE	REVISION
1		
2		
3		



ASS'Y ELEC BD LWR



REPRODUCTION, DISTRIBUTION AND UTILIZATION OF THIS DOCUMENT AS WELL AS COMMUNICATION OF ITS CONTENTS TO OTHERS WITHOUT EXPRESS AUTHORIZATION PROHIBITED. OFFENDERS WILL BE HELD LIABLE FOR THE PAYMENT OF DAMAGES. ALL RIGHT RESERVED. COPYRIGHT (c) ANDAMIRO

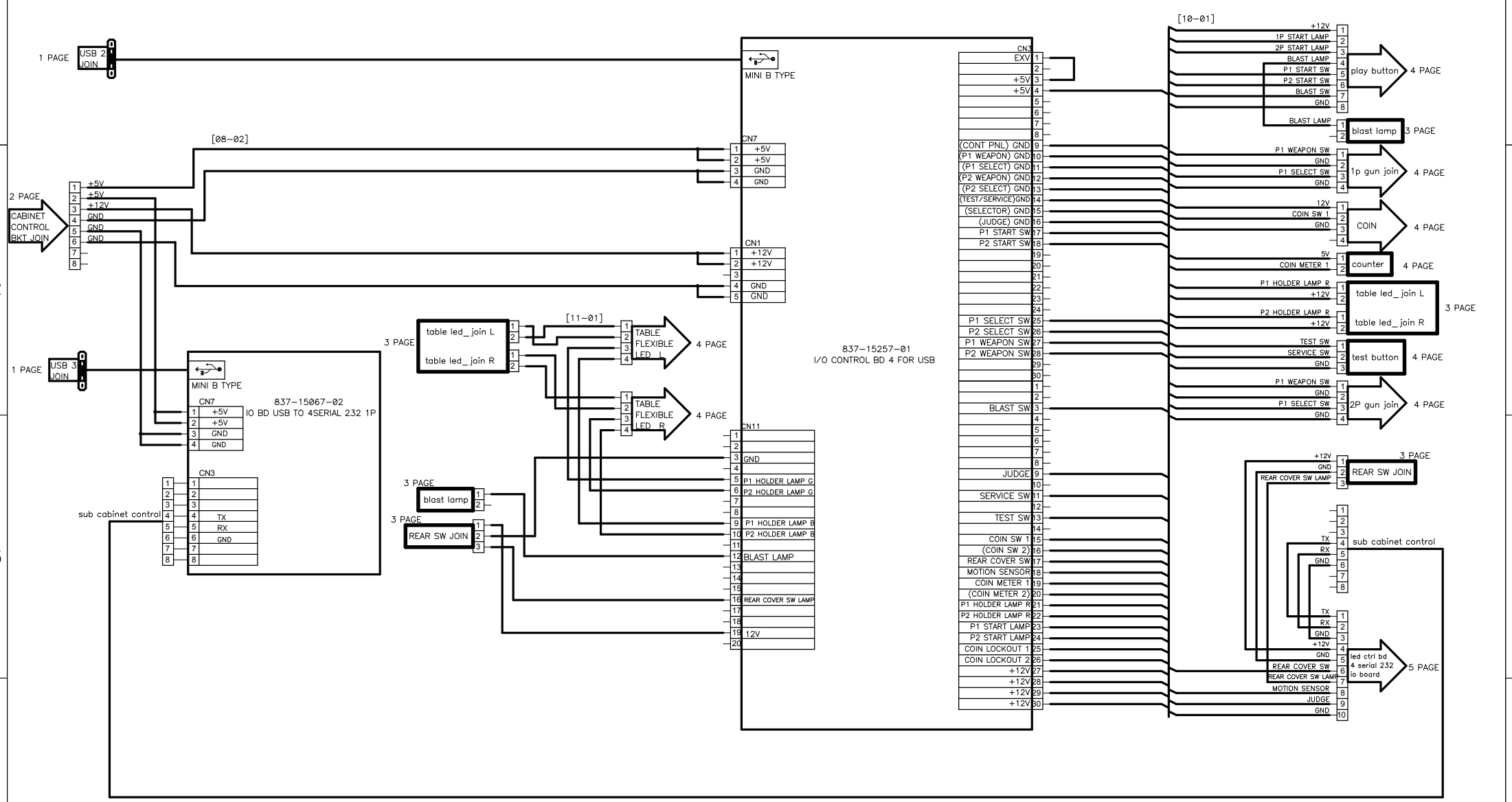
(복제, 배포 및 사용은 물론, 명시적 허가 없이는 타인에게 내용을 전달할 수 없으며 위반자는 손해 배상 책임을 집니다.)

DEPARTMENT	DRAWN BY	CHECKED BY	APPROVED BY	ITEM NAME	DWG.NO	CODE.NO	DATE
H/W	H.B.KIM			ASS'Y ELEC BD UPR JOIN	2 PAGE		2019.02.14



안다미로 1급 보안 문서  
 (당사 영업비밀 관리 규정 제27조(벌칙) 관계 법령에 의한 민. 형사상 책임과 사내 규정에 의하여 징계를 받을 수 있음)

MARK	DATE	REVISION
1		
2		
3		



REPRODUCTION, DISTRIBUTION AND UTILIZATION OF THIS DOCUMENT AS WELL AS COMMUNICATION OF ITS CONTENTS TO OTHERS WITHOUT EXPRESS AUTHORIZATION PROHIBITED. OFFENDERS WILL BE HELD LIABLE FOR THE PAYMENT OF DAMAGES. ALL RIGHT RESERVED. COPYRIGHT (c) ANDAMIRO

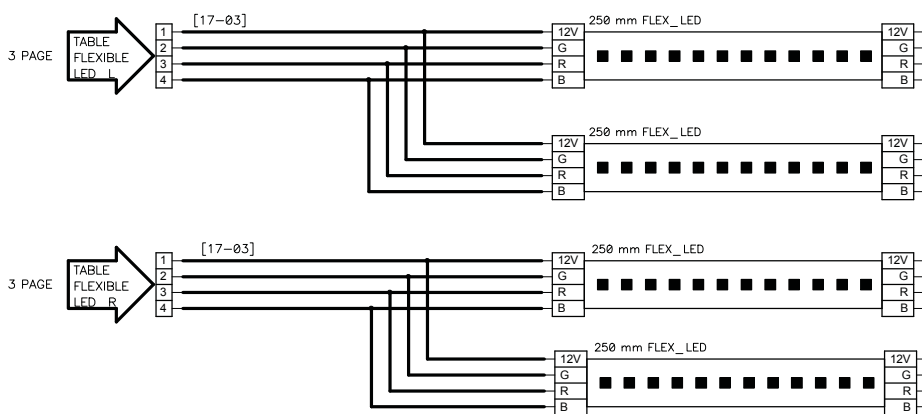
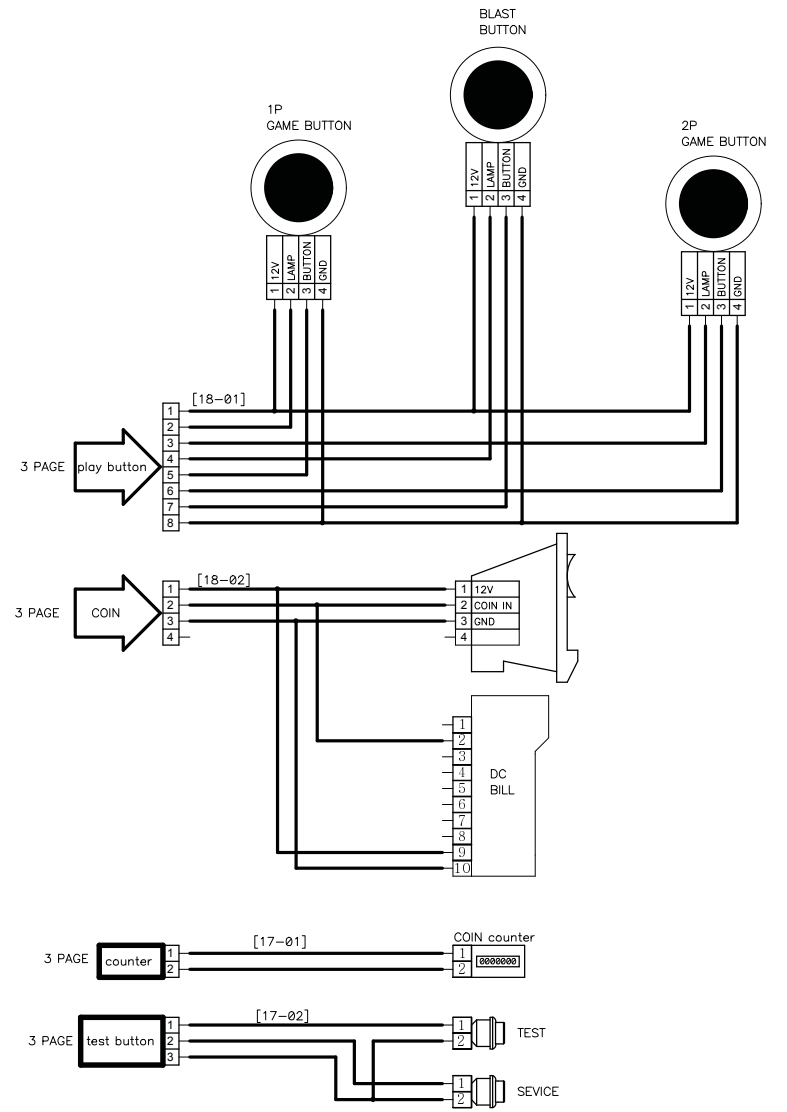
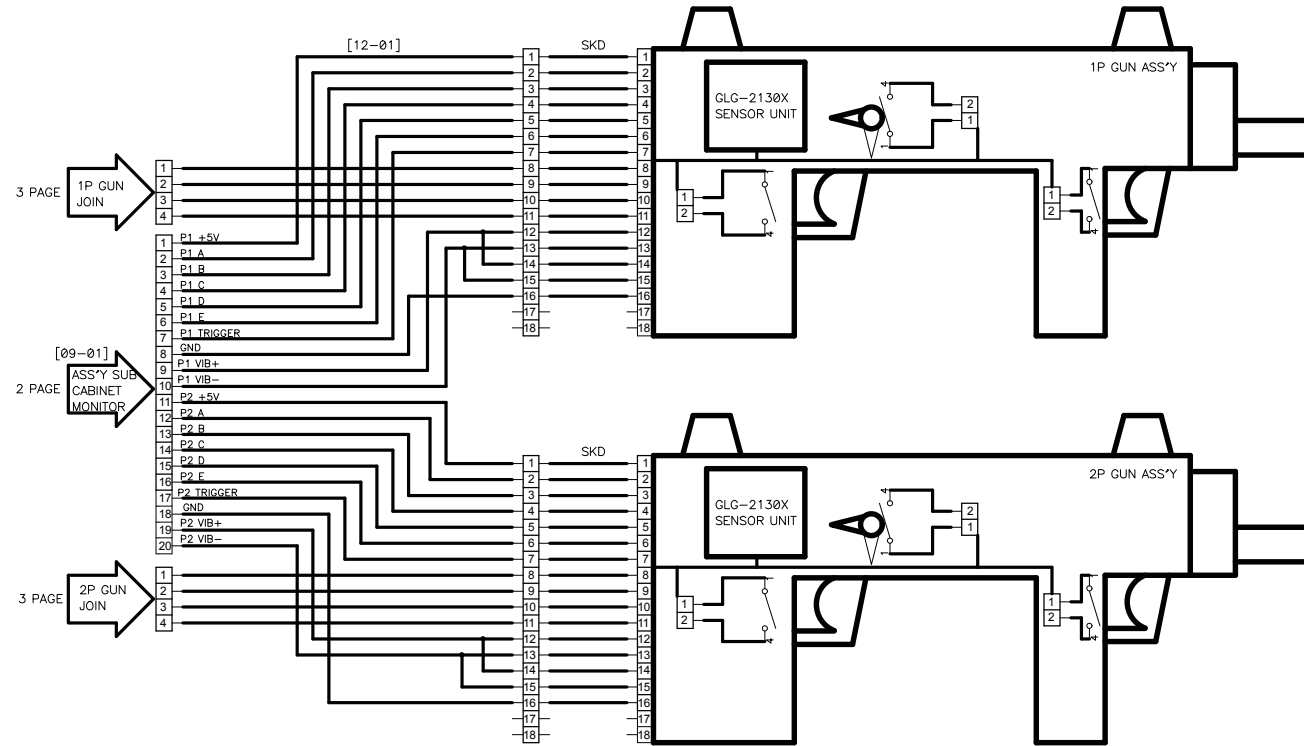
(복제, 배포 및 사용은 물론, 명시적 허가 없이는 타인에게 내용을 전달할 수 없으며 위반자는 손해 배상 책임을 집니다.)

DEPARTMENT	DRAWN BY	CHECKED BY	APPROVED BY	ITEM
H/W	H.B.KIM			NAME
				DWG.NO 3 PAGE
				CODE.NO
				DATE 2019.02.14



안다미로 1급 보안 문서  
 (당사 영업비밀 관리 규정 제27조(벌칙) 관계 법령에 의한 민. 형사상 책임과 사내 규정에 의하여 징계를 받을 수 있음)

MARK	DATE	REVISION
1		
2		
3		



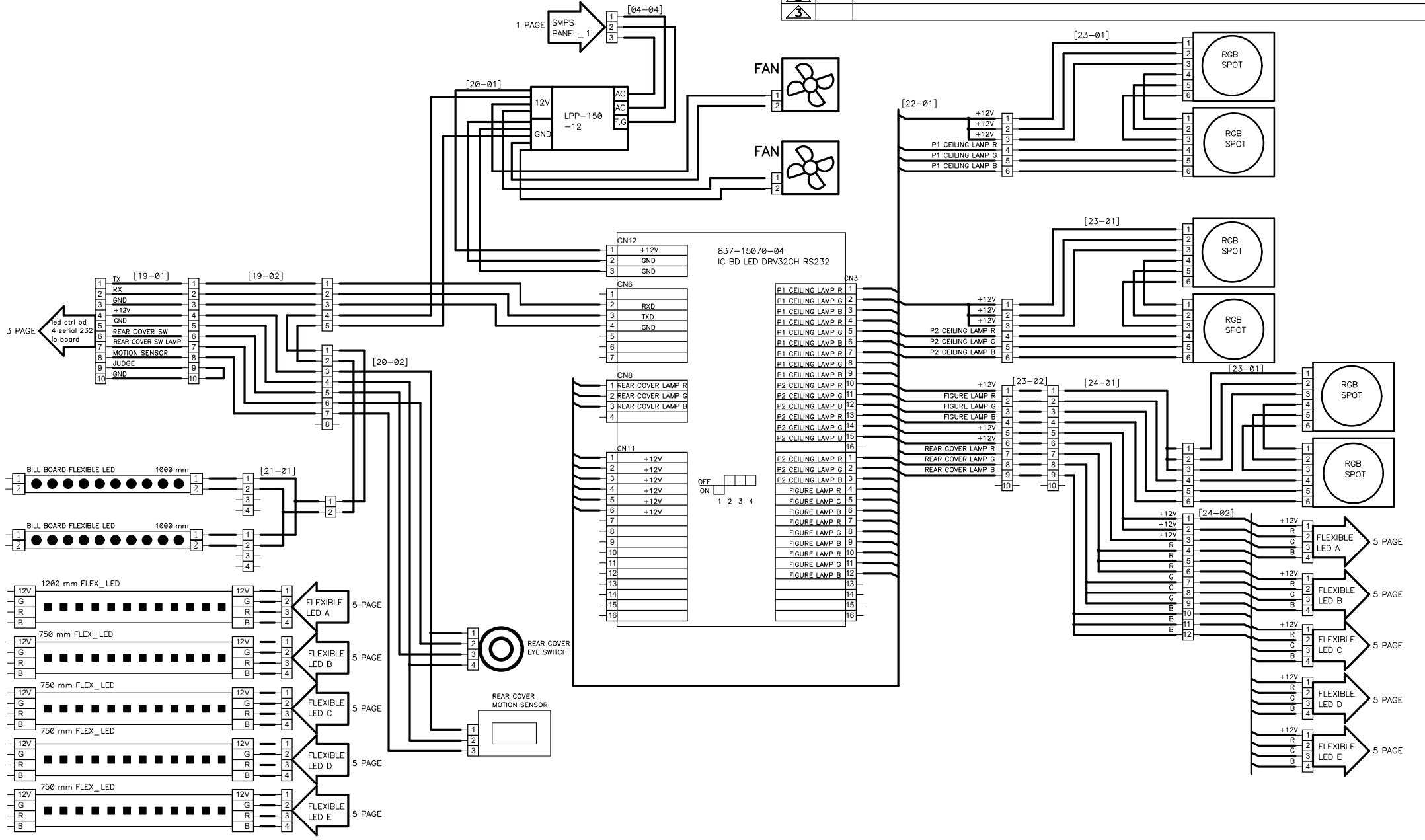
REPRODUCTION, DISTRIBUTION AND UTILIZATION OF THIS DOCUMENT AS WELL AS COMMUNICATION OF ITS CONTENTS TO OTHERS WITHOUT EXPRESS AUTHORIZATION PROHIBITED. OFFENDERS WILL BE HELD LIABLE FOR THE PAYMENT OF DAMAGES. ALL RIGHT RESERVED. COPYRIGHT (c) ANDAMIRO

(복제, 배포 및 사용은 물론, 명시적 허가 없이는 타인에게 내용을 전달할 수 없으며 위반자는 손해 배상 책임을 집니다.)

DEPARTMENT	DRAWN BY	CHECKED BY	APPROVED BY	ITEM NAME	
H/W	H.B.KIM			DWG.NO	4 PAGE
				CODE.NO	
				DATE	2019.02.14

안다미로 1급 보안 문서  
 (당사 영업비밀 관리 규정 제27조(벌칙) 관계 법령에 의한 민. 형사상 책임과 사내 규정에 의하여 징계를 받을 수 있음)

MARK	DATE	REVISION
1		
2		
3		



REPRODUCTION, DISTRIBUTION AND UTILIZATION OF THIS DOCUMENT AS WELL AS COMMUNICATION OF ITS CONTENTS TO OTHERS WITHOUT EXPRESS AUTHORIZATION PROHIBITED. OFFENDERS WILL BE HELD LIABLE FOR THE PAYMENT OF DAMAGES. ALL RIGHT RESERVED. COPYRIGHT (c) ANDAMIRO

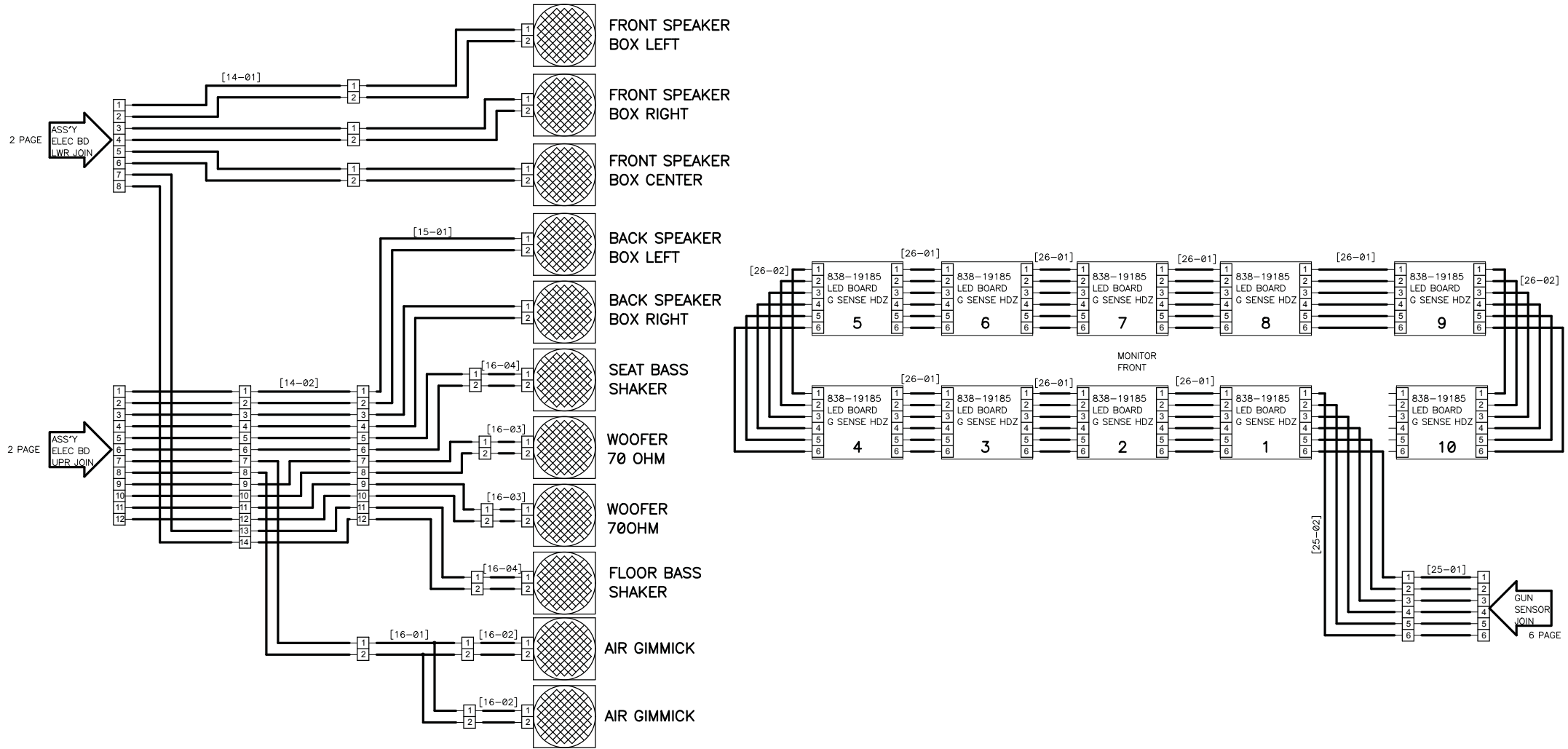
(복제, 배포 및 사용은 물론, 명시적 허가 없이는 타인에게 내용을 전달할 수 없으며 위반자는 손해 배상 책임을 집니다.)

DEPARTMENT	DRAWN BY	CHECKED BY	APPROVED BY	ITEM NAME
H/W	H.B.KIM			DWG.NO 5 PAGE
				CODE.NO
				DATE 2019.02.14



안다미로 1급 보안 문서  
(당사 영업비밀 관리 규정 제27조(벌칙) 관계 법령에 의한 민. 형사상 책임과 사내 규정에 의하여 징계를 받을 수 있음)

MARK	DATE	REVISION
1		
2		
3		



REPRODUCTION, DISTRIBUTION AND UTILIZATION OF THIS DOCUMENT AS WELL AS COMMUNICATION OF ITS CONTENTS TO OTHERS WITHOUT EXPRESS AUTHORIZATION PROHIBITED. OFFENDERS WILL BE HELD LIABLE FOR THE PAYMENT OF DAMAGES. ALL RIGHT RESERVED. COPYRIGHT (c) ANDAMIRO

(복제, 배포 및 사용은 물론, 명시적 허가 없이는 타인에게 내용을 전달할 수 없으며 위반자는 손해 배상 책임을 집니다.)

DEPARTMENT	DRAWN BY	CHECKED BY	APPROVED BY	ITEM NAME
H/W	H.B.KIM			DWG.NO 6 PAGE
ANDAMIRO				CODE.NO
				DATE 2019.02.14

# SEGA AMUSEMENTS OFFICES

## Sega Amusements

### Europe

42, Barwell Business Park, Leatherhead Road, Chessington, Surrey, KT9 2NY United Kingdom

Telephone: +44 (0) 208 391 8060

Facsimile: +44 (0) 208 391 8096

e-mail: [sales@segaarcade.com](mailto:sales@segaarcade.com)

<http://www.segaarcade.com/>

### U.S.A.

Telephone:

General Parts: +1 224 265 4287

General Tech: +1 224 265 4283

Facsimile: +1 630 860 7775

## SEGA Interactive Co., Ltd.

1-2-12, Haneda, Ohta-ku, Tokyo 144-8531, Japan

# DISTRIBUTOR

## Sega Logistics Service Co., Ltd.

6F Kamata Higashi-Nihon Bldg., 1-1-25, Minami Kamata, Ohta-ku, Tokyo, 144-0035 JAPAN

Telephone: +81-(0)3-6428-7605

Facsimile: +81-(0)3-6428-7613

1<sup>ST</sup> PRINTING

2018.09



**SEGA Interactive Co., Ltd.**

1-2-12, Haneda, Ohta-ku, Tokyo 144-8531, Japan

© SEGA