



maimai DX

OWNER'S MANUAL

420-7791



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 is intended to provide detailed descriptions together with all the necessary information covering the general operation of electronic assemblies, electro-mechanicals, servicing control, spare parts, etc. for the "**maimai DX**" product.

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.

Refer to the Service Manual for information related to software.

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.

 DANGER/ DANGER	Indicates that mishandling the product by disregarding this pictograph will cause severe injury or death. Indique qu'une mauvaise manipulation du produit en ne tenant pas compte de ce pictogramme causera des blessures graves ou la mort.
 WARNING/ AVERTISSEMENT	Indicates that mishandling the product by disregarding this warning will cause a potentially hazardous situation which can result in death or serious injury. Indique qu'une mauvaise manipulation du produit en négligeant cet avertissement peut causer une situation potentiellement dangereuse qui peut entraîner la mort ou des blessures graves.
 CAUTION/ ATTENTION	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. Indique qu'une mauvaise manipulation du produit en négligeant cette précaution entraînera une situation un peu dangereuse qui peut entraîner des blessures corporelles ou des dommages matériels.

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

	"Caution: Electric shock" Indicates a risk of electric shock under specific conditions. "Attention : Choc électrique" Indique un risque de choc électrique dans des conditions spécifiques.
	"Caution: High temperature" Indicates a risk of injury due to high temperature under specific conditions. "Attention : Haute température" Indique un risque de blessure dû à une température élevée dans des conditions précises.
	"Caution: Risk of trapping hands/fingers" Indicates a risk of injury caused by trapping hands or fingers in doors, etc. "Attention : Risque de piégeage des mains et des doigts" Indique un risque de blessure causé par le piégeage des mains ou des doigts dans les portes, etc.
	"Forbidden" Indicates something you must not do when handling the product. "Interdit" Indique quelque chose que vous ne devez pas faire lors de la manipulation du produit.
	Indicates a "protective earth terminal." Before operating the equipment, be sure to connect it to the ground. Indique un "terminal de protection de la terre". Avant de faire fonctionner l'équipement, assurez-vous de le relier au sol.

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.

 IMPORTANT	Indicates an important detail when installing, operating, or maintaining/inspecting the product. Indique un détail important lors de l'installation, de l'exploitation ou de l'entretien/inspection du produit.
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Definition of 'Site Maintenance Personnel or Other Qualified Professionals'

WARNING / AVERTISSEMENT

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.

Les procédures qui ne sont pas décrites dans le présent manuel ou qui doivent être effectuées par du personnel d'entretien du site ou d'autres professionnels qualifiés ne doivent pas être exécutées par du personnel sans les connaissances et les compétences techniques requises. Le travail effectué par des personnes non qualifiées peut causer de graves accidents, y compris l'électrocution.

S'il n'y a personne qui possède les connaissances et les compétences techniques requises, par souci de sécurité, commandez les travaux au bureau mentionné dans le présent manuel ou au point d'achat de ce produit.

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.

Personnel d'entretien du site :

Les personnes ayant de l'expérience dans l'entretien d'équipements de divertissement, de distributeurs automatiques, etc., travaillent sous la supervision du propriétaire ou de l'exploitant pour entretenir des machines dans des installations de divertissement ou des locaux similaires.

Activités à réaliser par le personnel d'entretien des lieux :

Équipement de divertissement/machine à vendre, inspection de l'entretien et remplacement des unités/pièces durables.

Autres professionnels qualifiés :

Personnes employées par les fabricants d'équipements de divertissement, ou participant à la conception, à la production, à l'essai ou à l'entretien d'équipements de divertissement. La personne aurait dû être diplômée de l'école technique ou posséder des qualifications similaires en électricité, électronique et mécanique.

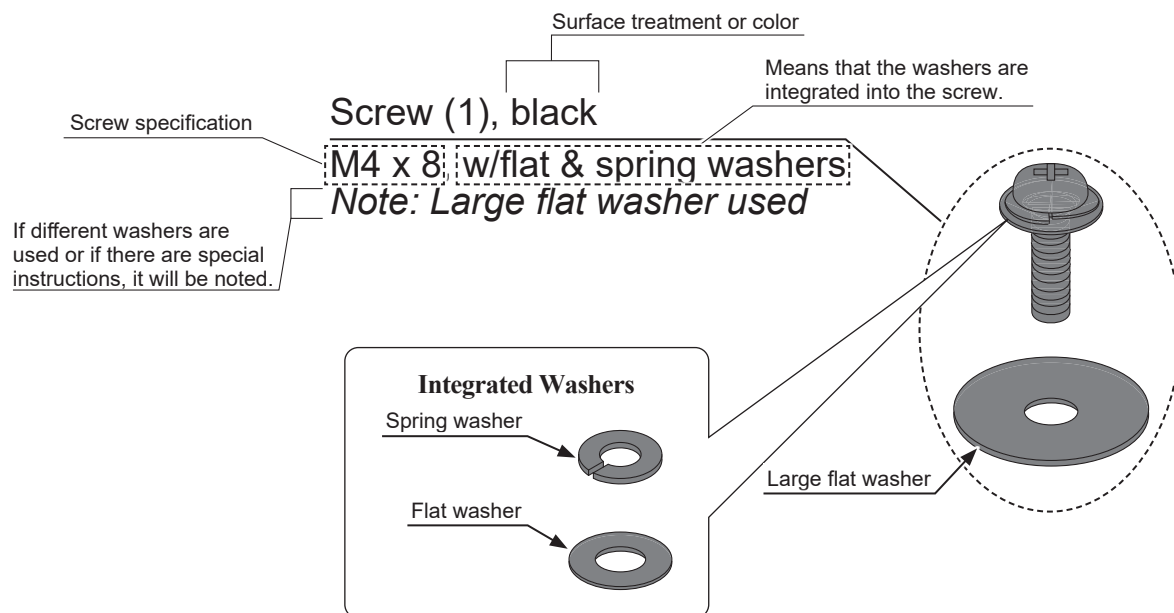
Activités devant être menées par d'autres professionnels qualifiés :

Équipement de divertissement/machine à vendre, réparation/réglage des pièces électriques/électroniques/mécaniques.

NOTATION USED IN THIS MANUAL

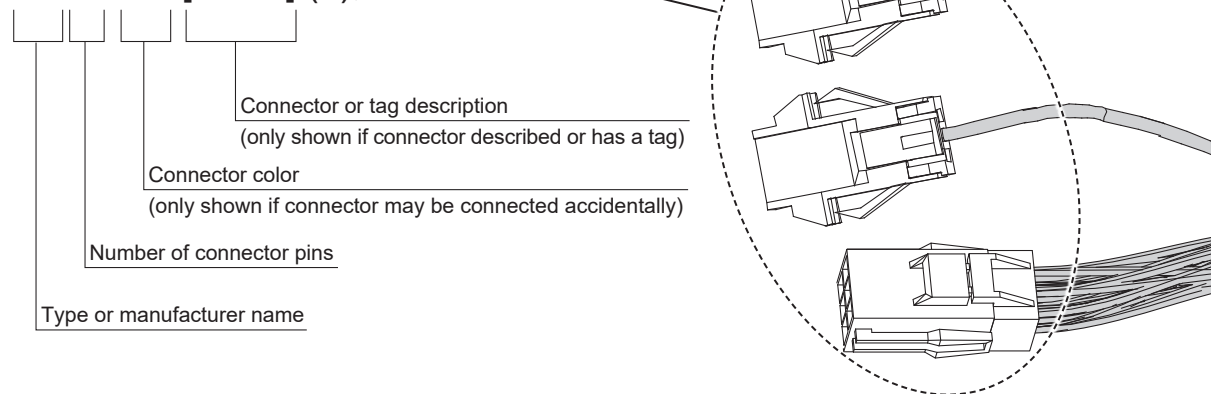
Notation in Diagrams

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



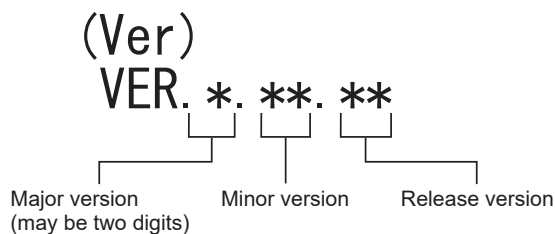
Connector (3)

XA3P red [SATL] (2), YL6P



Game Version Notation

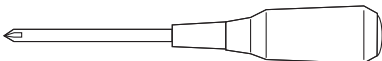
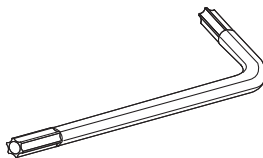
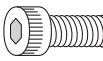
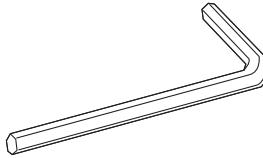
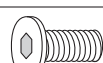
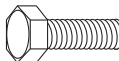
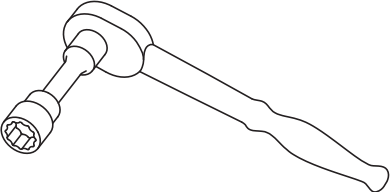
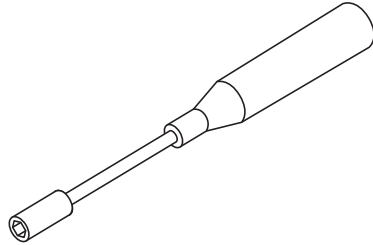
Version numbers appearing in TEST MODE are indicated by the asterisks below. When describing software version upgrades, only major version and minor version numbers are shown. Release version numbers are for SEGA's administrative use only. If you require these numbers, contact the office listed in this manual.



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 PH1	
Truss head screw (M4 , M5)		Phillips screwdriver PH2	
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.

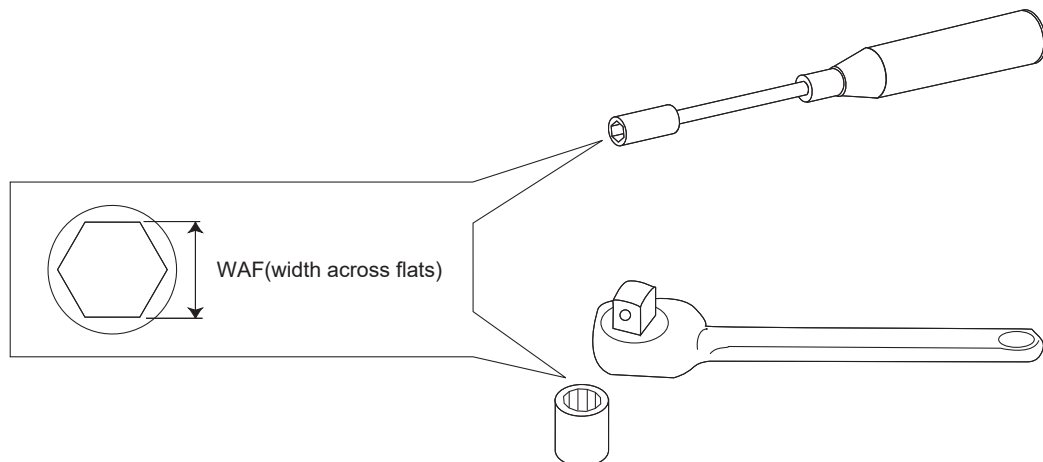
Matching Chart of Hexagonal Wrench

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)

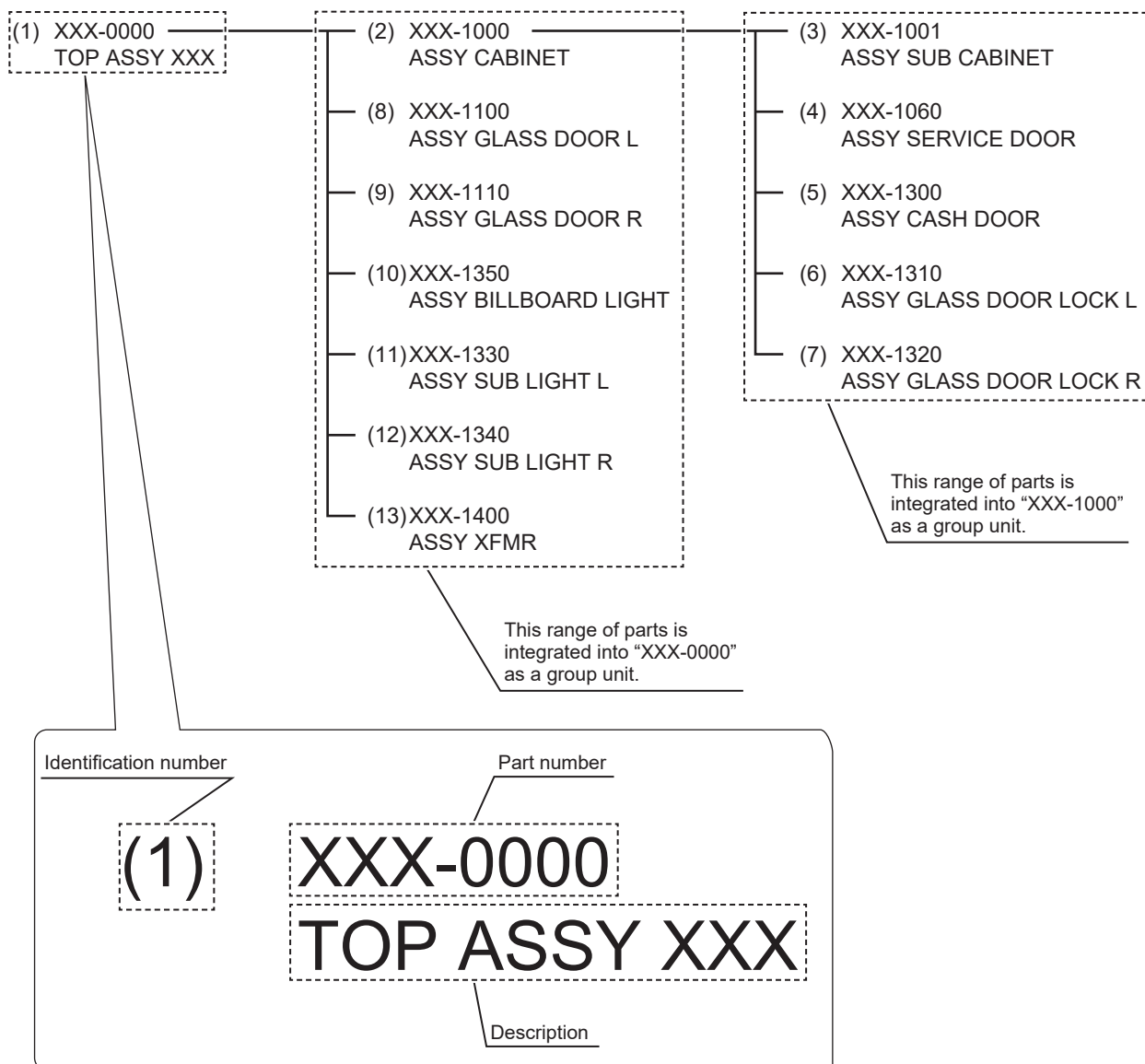
Standard	WAF (width across flats) of Tools			
	Hexagon head bolt	Hexagon head nut	Cap nut	Flange nut
M3	5.5 mm (0.2165 in.)			
M4	7 mm (0.2756 in.)			
M5	8 mm (0.3150 in.)			
M6	10 mm (0.3937 in.)			
M8	13 mm (0.5118 in.)			12 mm (0.4724 in.)
M10	17 mm (0.6693 in.)	-		
M12	19 mm (0.7480 in.)	-		
M16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



HOW TO READ PARTS LIST

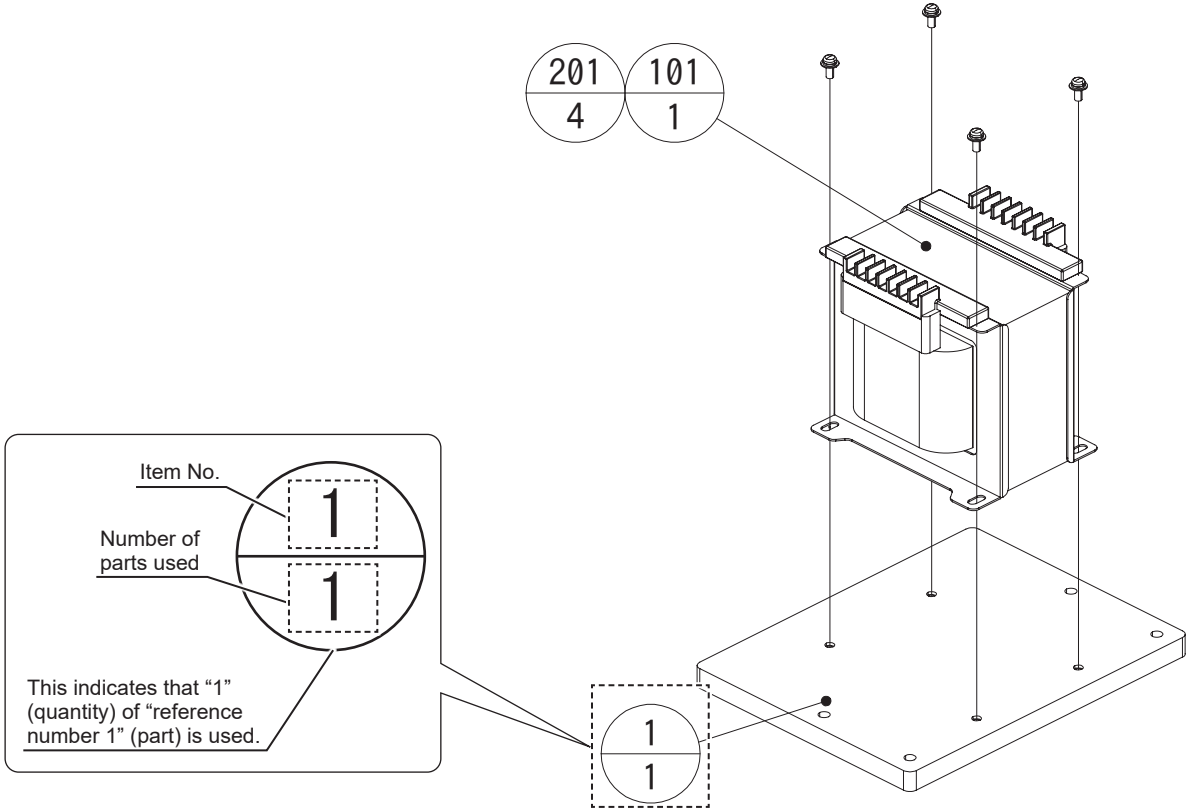
How to Read Organization Chart

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

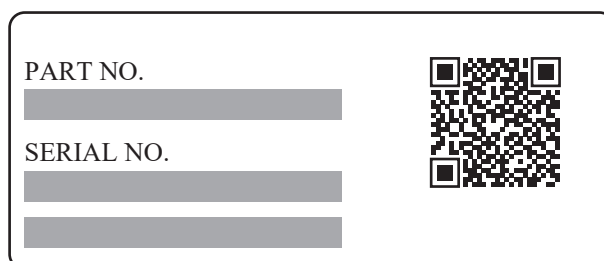


Item No.	Part No.	Description	Note
1	XXX-4201	WOODEN BASE XFMR	
101		POWER TRANS FORMER (KST 15265)	
102	280-7892	CORD CLAMP TL-19AN	
201	000-P00516-W	M SCR PH W/FS M5x10	
202	011-F00312	TAP SCR #1 FH 3x12	

ABOUT THE KEY CHIP

Key Chip Serial Number

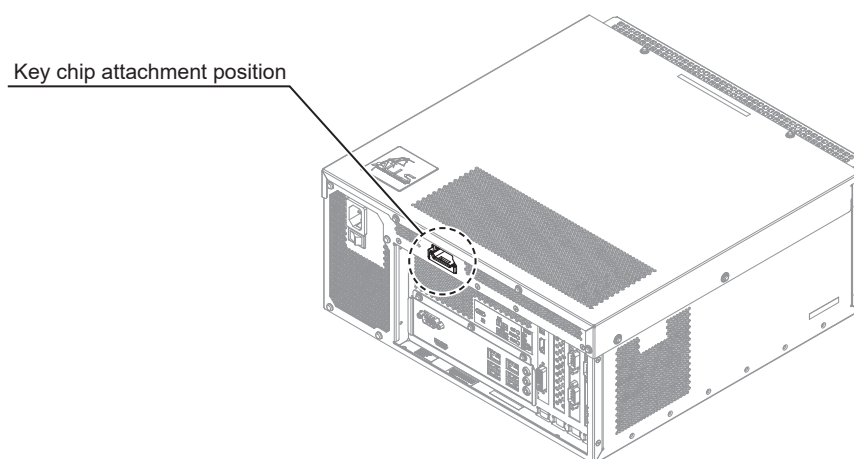
The key chip has a serial number written on it that is necessary when making inquiries about ALL.Net.



Key Chip Sticker

Key Chip Attachment Position

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



ALLS HX2.1

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14	This chapter is not applicable.	

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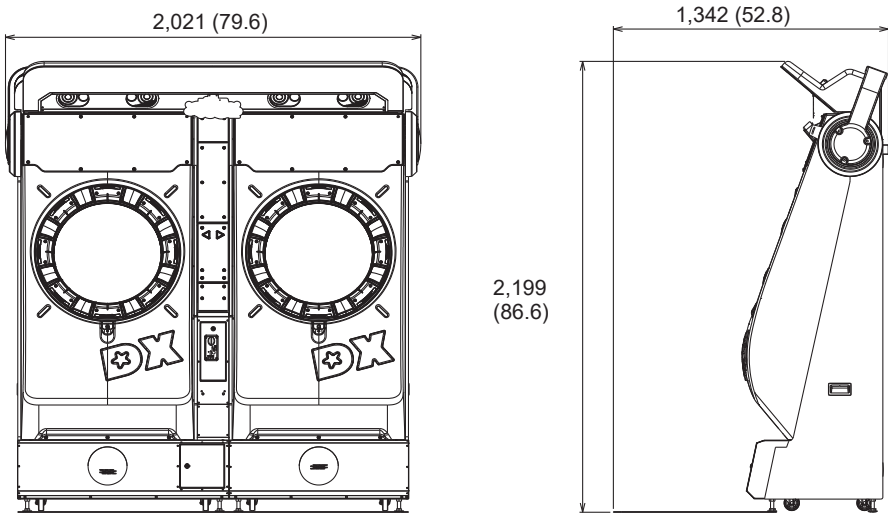
PRODUCT SPECIFICATIONS

1-1 SPECIFICATIONS

Product Specifications

External Dimensions	2,021 mm (79.6 in) [Width] x 1,342 mm (52.8 in) [Depth] x 2,199 mm (86.6 in) [Height] <i>Note: Raised 5 mm from the floor on adjusters.</i>	
Weight	348 kg (767.2 lb)	
Power, Maximum Current	480W,4A (AC 110-120 V~, 50/60 Hz)	
Power, Current	Max.	480W, 4.0A (AC 110-120V~, 50/60Hz)
	Min.	304W, 3.0A (AC 110-120V~, 50/60Hz)
Operating Environment	Temperature: 5°C to 30°C (41°F to 86°F), relative humidity: 35% RH to 70% RH (without condensation)	

External Dimensions (After Installation)

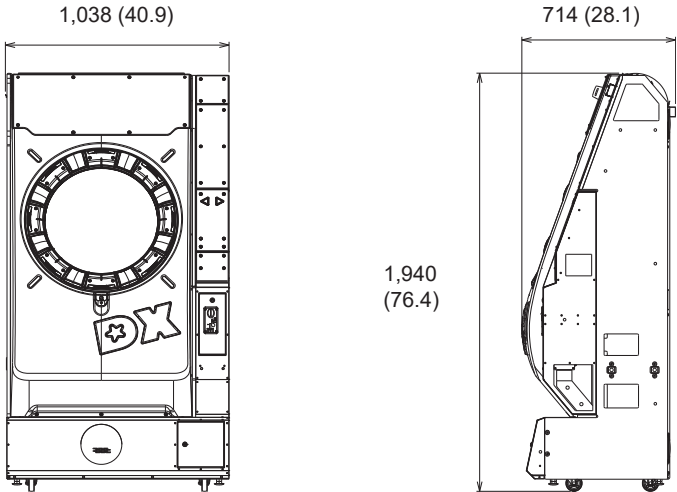


Unit: mm (in.)

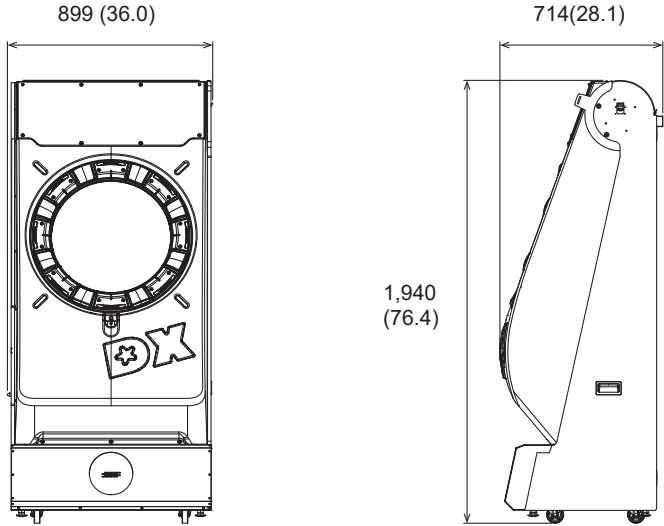
Specifications of Units Before Installation

Item	Width	Depth	Height	WEIGHT
Cabinet 1P	1,038 mm (40.9 in)	714 mm (28.1 in)	1,940 mm (76.4 in)	171 kg (377 lb)
Cabinet 2P	899 mm (36.0 in)	714 mm (28.1 in)	1,940 mm (76.4 in)	147 kg (324 lb)
Billboard	1,850 mm (72.8 in)	574 mm (22.6 in)	273 mm (10.7 in)	30 kg (66.1 lb)

External Dimensions (Before Installation)



Cabinet 1P

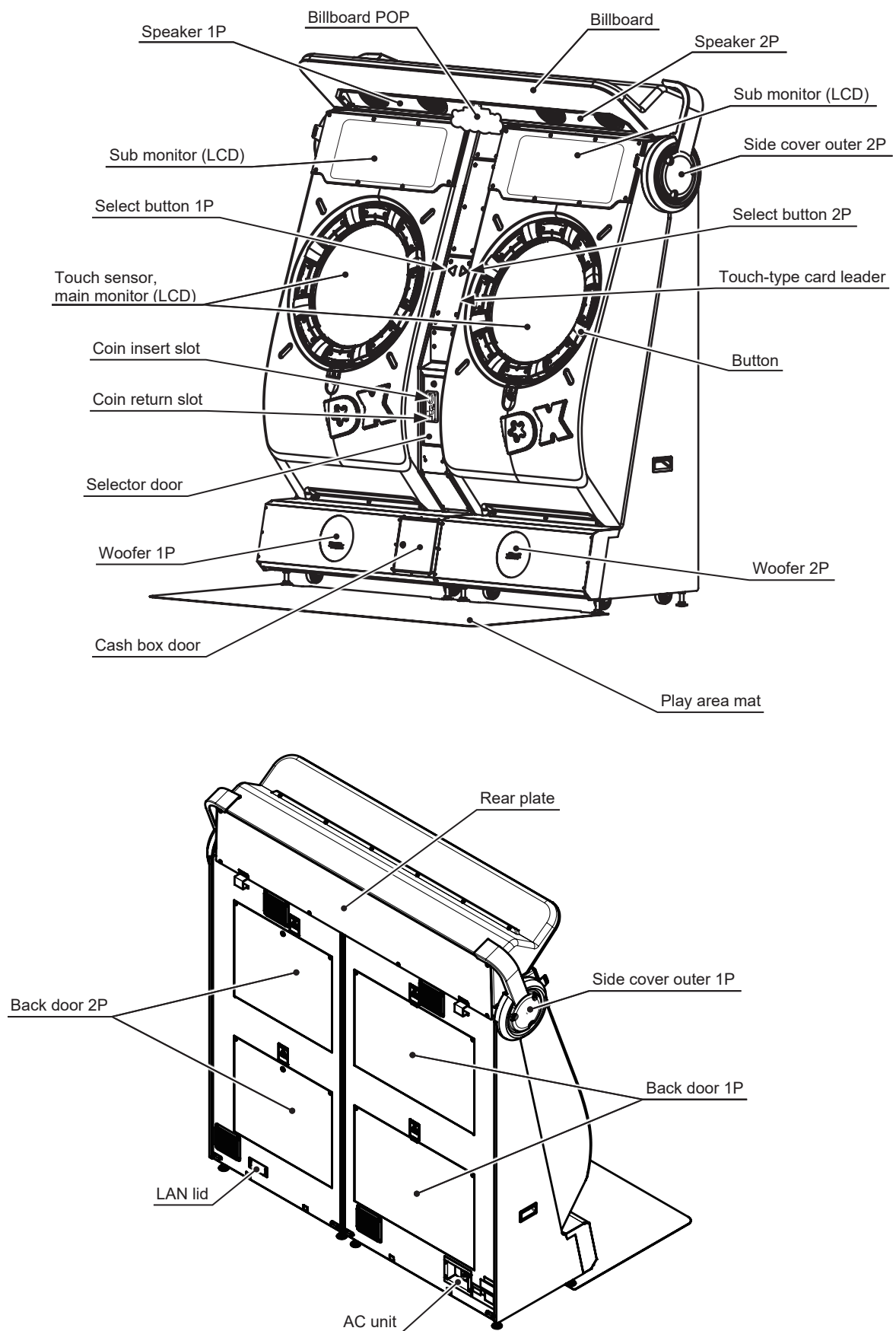


Cabinet 2P

Unit: mm (in.)

1-2 PART DESCRIPTIONS

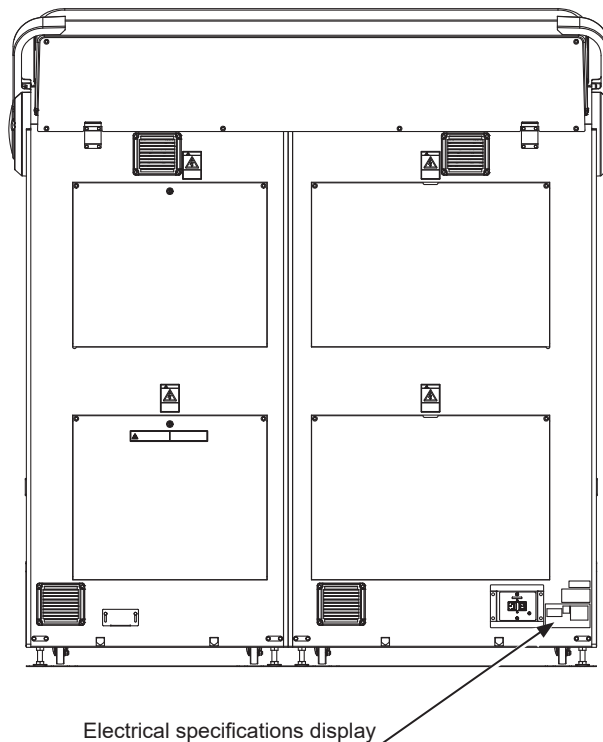
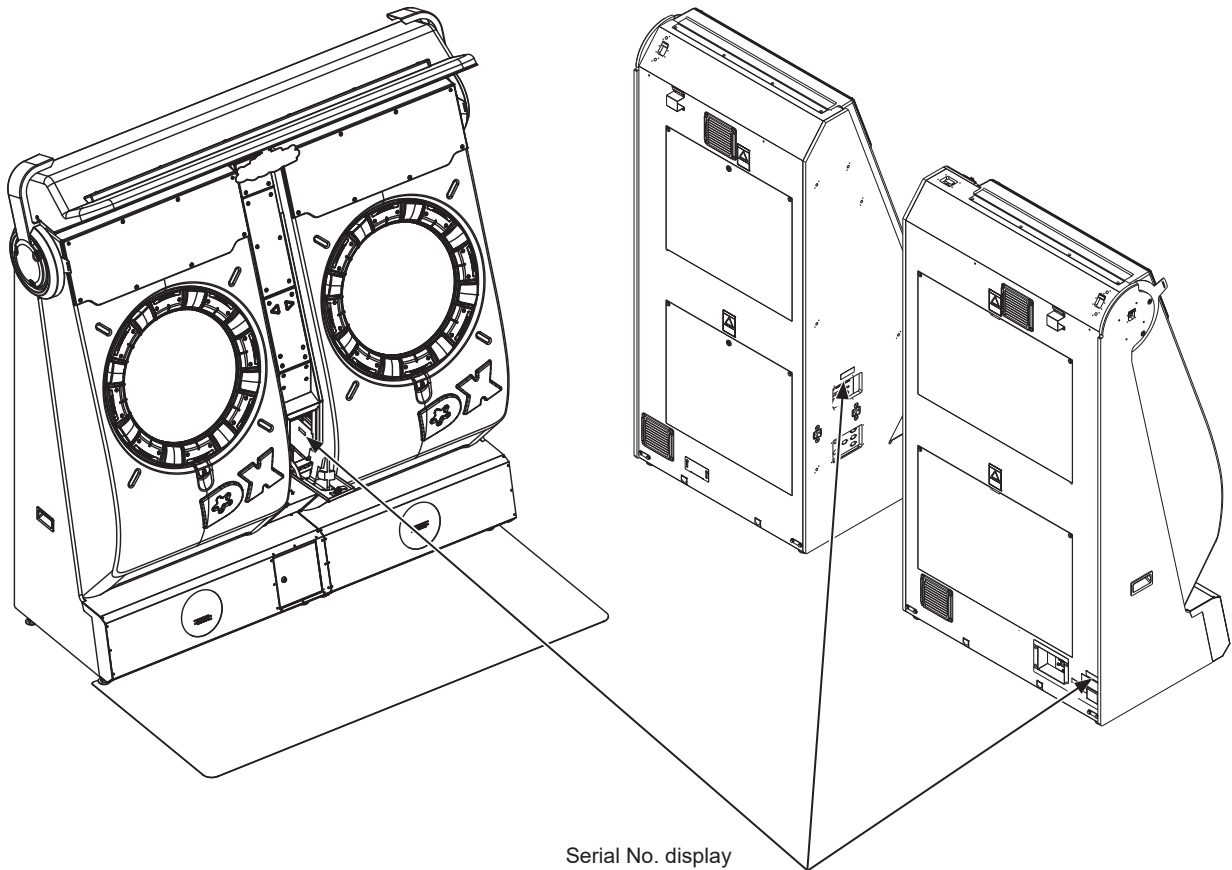
1



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.



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, even fatal accident, can occur. Also, customers could be injured while operating the product.
- Before starting work, be sure to turn the power OFF. Working without turning the power OFF can cause an electric shock, short circuit or fire. In the case work should be performed in the status of power on, this manual always states to that effect.
- 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 cable, earth cables, or network cables exposed in areas of heavy foot traffic. Doing so may cause them to become damaged, possibly resulting in electric shock and/or short circuits. When laying wiring across the floor, always use safety covers to protect the cables.
- To avoid causing an electric shock, short circuit or fire, 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.
- In case 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 the cable as is damaged can cause fire, an electric shock or leakage.
- 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 electric shock, 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 places not designated 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 (addition or conversion of equipment) not designated by SEGA are not permitted.
 - Failure to observe this may cause an electric shock or fire.
 - Non-compliance with this instruction can affect the health of the players or the onlookers during play.
 - SEGA shall not be held responsible for damage, including 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 work from the office listed in this manual or the point-of-purchase for this product, or inquires for details.
- Be sure to perform the periodic maintenance inspections listed in this manual.
- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- The battery used is CR2032 (3V Lithium).
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above of incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.

⚠ WARNING

- **INGESTION HAZARD:** This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH of CHILDREN**.
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.



 AVERTISSEMENT

- Procéder aux vérifications et aux tâches indiquées dans les présentes instructions. Si les instructions ne sont pas suivies ou si les tâches et/ou les contrôles sont négligés, un choc électrique ou tout autre accident très grave, voire mortel, peut survenir. De plus, les clients pourraient être blessés lors de l'exploitation du produit.
- Avant de commencer le travail, assurez-vous d'éteindre le courant. Travailler sans éteindre l'alimentation électrique peut provoquer un choc électrique, un court-circuit ou un incendie. Dans le cas où des travaux devraient être effectués à l'état de mise sous tension, le présent manuel indique toujours cet effet.
- Pour éviter un choc électrique ou un court-circuit, ne branchez pas ou ne débranchez pas rapidement.
- Pour éviter un choc électrique, ne branchez pas ou ne débranchez pas avec une main mouillée.
- Ne laissez pas les câbles d'alimentation, les câbles de terre ou les câbles de réseau exposés dans les zones de forte circulation des pieds. Cela peut les endommager, ce qui peut entraîner des chocs électriques et/ou des courts-circuits. Lorsque vous posez le câblage sur le sol, utilisez toujours des couvertures de sécurité pour protéger les câbles.
- Pour éviter de provoquer un choc électrique, un court-circuit ou un incendie, ne mettez rien sur les câbles d'alimentation ou n'abîmez pas ceux-ci.
- Lors de l'installation ou après l'installation du produit, ne tirez pas inutilement sur le câble d'alimentation. S'il est endommagé, le câble d'alimentation peut provoquer un choc électrique, un court-circuit ou un incendie.
- Si le câble d'alimentation est endommagé, demandez un remplacement par l'intermédiaire du bureau mentionné dans le présent manuel ou du point d'achat de ce produit. L'utilisation du câble tel qu'il est endommagé peut provoquer un incendie, un choc électrique ou une fuite.
- Assurez-vous d'effectuer la mise à la terre de façon appropriée. Une mise à la terre inappropriée peut causer un choc électrique.
- Lors de l'insertion ou de l'enlèvement d'un connecteur, assurez-vous de le tenir près de sa partie principale. Si vous le tenez par quelque chose d'autre, les connexions entre les installations terminales du câble et du connecteur pourraient être endommagées, et il pourrait y avoir un choc électrique, un court-circuit ou un incendie. Il pourrait également y avoir une mauvaise connectivité.
- Faites attention à la direction lorsque vous connectez les connecteurs. Le connecteur doit être branché dans la bonne direction. S'il est relié dans la mauvaise direction ou sans discrimination à une inclinaison de sorte qu'une charge soit appliquée, le connecteur ou ses broches terminales peuvent se briser, causant un choc électrique, un court-circuit ou un incendie.
- Attention à ne pas endommager les câbles. Les câbles endommagés peuvent causer un choc électrique, un court-circuit ou un incendie.
- Ne tournez pas ou ne tirez pas le câblage. Les câbles endommagés peuvent causer des ventilations ou feux.
- Ne touchez pas aux endroits non désignés. Les lieux ne sont pas désignés peuvent causer un choc électrique, un circuit électrique, court ou feu.
- Veillez à ne pas perdre de fixations (écrous, écrous ou lave-linge) pendant le travail. Une attache métallique déposée sur une section électrifiée peut provoquer un choc électrique, un court-circuit ou un incendie.

⚠ AVERTISSEMENT

- N'utilisez pas de fixations (écrous, écrous ou lave-linge) déformées ou cassées. Remplacer ces fixations par les fixations désignées dans le présent manuel. De plus, n'utilisez les pièces d'attache désignées dans le présent manuel qu'en cas de perte d'une pièce d'attache. L'utilisation d'attaches autres que celles désignées peut entraîner des accidents tels que des chutes de composants.
- Lorsque vous manipulez des objets lourds, faites attention à ce qui suit car il pourrait y avoir des accidents impliquant des chutes ou des chutes, et quelqu'un pourrait se faire attraper sous l'objet.
 - Avoir le nombre approprié d'employés disponibles pour le type de travail à effectuer. Supposons qu'un travailleur ne peut supporter que des articles pesant jusqu'à environ 15 kg.
 - Attention à ne pas glisser ou tomber.
- Les modifications aux spécifications (ajout ou conversion d'équipement) non désignées par SEGA ne sont pas autorisées.
 - Le défaut d'observation peut provoquer un choc électrique ou un incendie.
 - Le non-respect de cette instruction peut nuire à la santé des joueurs ou des spectateurs pendant le jeu.
 - SEGA n'est pas tenue responsable des dommages, y compris de l'indemnisation des dommages causés à un tiers, causés par des modifications des spécifications non désignées par SEGA.
- L'exécution de travaux ou de remplacements de pièces non décrits dans le présent manuel pourrait entraîner des accidents. Si vous avez besoin d'effectuer des travaux qui ne sont pas décrits dans le présent manuel, demandez des travaux au bureau indiqué dans ce manuel ou au point d'achat de ce produit, ou demandez des détails.
- Assurez-vous d'effectuer les inspections périodiques d'entretien énumérées dans ce manuel.
- Retirez et recyclez ou jetez immédiatement les piles usagées conformément à la réglementation locale et gardez-les hors de la portée des enfants. Ne jetez pas les piles avec les ordures ménagères et ne les incinerez pas.
- Même les piles usagées peuvent causer des blessures graves, voire mortelles.
- Appelez un centre antipoison local pour obtenir des renseignements sur le traitement.
- La pile utilisée est une CR2032 (3 V au lithium).
- Les piles non rechargeables ne doivent pas être rechargées.
- Ne forcez pas pour décharger, recharger, démonter, chauffer ou incinérer. Cela pourrait entraîner des blessures par fuite, une explosion ou des brûlures chimiques.

⚠ AVERTISSEMENT

- **DANGER D'INVESTISSEMENT:** Ce produit contient une pile à boutons ou une pile à pièces.
- **LA MORT** ou des blessures graves peuvent survenir s'ils sont ingérés.
- Une pile à boutons avalée ou une pile à pièces peut causer **Des Brûlures Chimiques Internes** en seulement **2 heures**.
- **GARDER** les piles neuves et usagées **HORS DE PORTÉE** des **ENFANTS**.
- **Demandez des soins médicaux immédiatement** si une batterie est soupçonnée d'être avalée ou insérée à l'intérieur d'une partie du corps.



 CAUTION / ATTENTION

- 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 glass/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 glass/plastic parts, be careful not to tighten screws and nuts excessively. Failure to observe this may damage the parts and cause injury due to fragments resulting from damage.
- Be careful when handling parts made of glass. Do not lean them up against the wall or subject them to impact. If they break, resulting in fragment or cracks that could cause accidental injury.

-
- Portez des vêtements de travail appropriés pour que le travail puisse être effectué en toute sécurité. Utilisez des gants et des chaussures de sécurité pour prévenir les accidents ou les blessures.
 - When opening/closing or attaching/removing doors or other parts, be careful that your hands or fingers do not get caught in anything.
 - En raison de l'espace de travail serré à l'intérieur de l'armoire, il y a un risque de blessures par des coins tranchants ou des parties en saillie. Assurez-vous de vérifier les environs avant d'effectuer des travaux.
 - Faites attention à la manipulation des pièces en verre ou en plastique. Si de telles pièces sont exposées à des charges ou à des chocs excessifs, elles risquent d'être endommagées, entraînant des fragments ou des fissures pouvant causer des blessures accidentelles.
 - Lorsque vous fixez des pièces en verre ou en plastique, veillez à ne pas serrer excessivement les vis et les écrous. Si vous ne l'observez pas, vous risquez d'endommager les pièces et de causer des blessures dues à des fragments qui en résultent.
 - Faites attention quand vous manipulez des pièces en verre. Ne les penchez pas contre le mur ou ne les soumettez pas à l'impact. S'ils se brisent, entraînant des fragments ou des fissures qui pourraient causer des blessures accidentelles.

**IMPORTANT**

2

- 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 specified 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 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.
- Be careful not to drop removed fasteners (screws, nuts, washers) inside the cabinet. Doing so may result in breakdown or parts damage.
- This product uses an LCD. LCD screens scratch easily, so be careful when cleaning the screen. (See 11-1-2.)

Concerning Warning Displays

The cabinet has warning displays intended for accident prevention for customers, and for avoiding hazardous situations relating to maintenance work.
When a warning display becomes unreadable due to dirt or damage, be sure to exchange it for a new, replacement warning display.

2

CAUTION / ATTENTION

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.

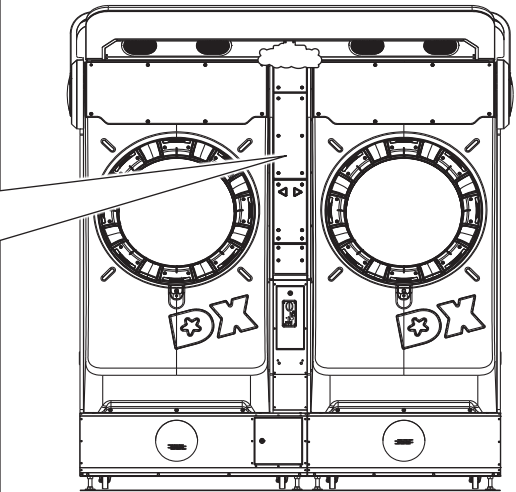
Les adultes et les enfants qui sont sujets aux crises, à la perte de conscience, etc. à cause de lumières clignotantes ou de jeux télévisés, doivent faire preuve de prudence lorsqu'ils jouent à ce jeu.
Si vous vous sentez malade ou étourdi en jouant à ce jeu, arrêtez immédiatement et faites une pause.

CAUTION / ATTENTION

Be careful not to apply excess pressure when touching the screen or buttons. Swiping the screen too hard or punching buttons can result in injury to your hands and fingers.

Attention à ne pas exercer une pression excessive lorsque vous touchez l'écran ou les boutons. Le fait de glisser l'écran trop fort ou de frapper des boutons peut causer des blessures aux mains et aux doigts.

TSBG-MMT103001



A line drawing of a game cabinet showing its internal structure. Several callout lines point from various components to warning labels. One label points to a battery compartment at the bottom, and others point to electrical components at the top and bottom.

**WARNING
AVERTISSEMENT**

INGESTION HAZARD: This product contains a button cell or coin battery.
RISQUE D'INGESTION: Ce produit contient une pile à boutons ou une pile à pièces.

TSBG-UL4200A

TSBG-440WS0002Y

**WARNING
AVERTISSEMENT**

High voltage can cause an electric shock. Turn off power before starting work.
La haute tension peut causer un choc électrique. Coupez le courant avant de commencer le travail.

3 PRECAUTIONS REGARDING INSTALLATION LOCATION

WARNING / AVERTISSEMENT

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 30 degrees centigrade.

Ce produit est une machine de jeu d'intérieur. Ne l'installez pas à l'extérieur. Même à l'intérieur, évitez de vous installer aux endroits mentionnés ci-dessous pour ne pas causer d'incendie, de choc électrique, de blessure ou de dysfonctionnement.

- Les endroits assujettis à la pluie ou des lieux assujetties à la proximité d'une piscine intérieure et/ou douche, etc. ou douche, etc., ou lieu où un jet d'eau (appareils de pression) pourrait être.
- Les lieux assujettis à la lumière directe, ou lieux assujettis aux températures élevées dans la proximité des unités de chauffage, etc.
- Lieux remplis de gaz inflammable ou à proximité de produits chimiques hautement inflammables/volatils ou de matières dangereuse.
- Des endroits poussiéreux.
- Surfaces inclinées ou instables.
- Emplacement à tout type d'impact violent.
- Près des installations de lutte contre les catastrophes telles que les issues de secours et les extincteurs.
- Zones où la température dépasse la plage de température applicable (température ambiante) de 5 à 30 degrés centigrades.

3-1 LIMITATIONS OF USAGE

WARNING / AVERTISSEMENT

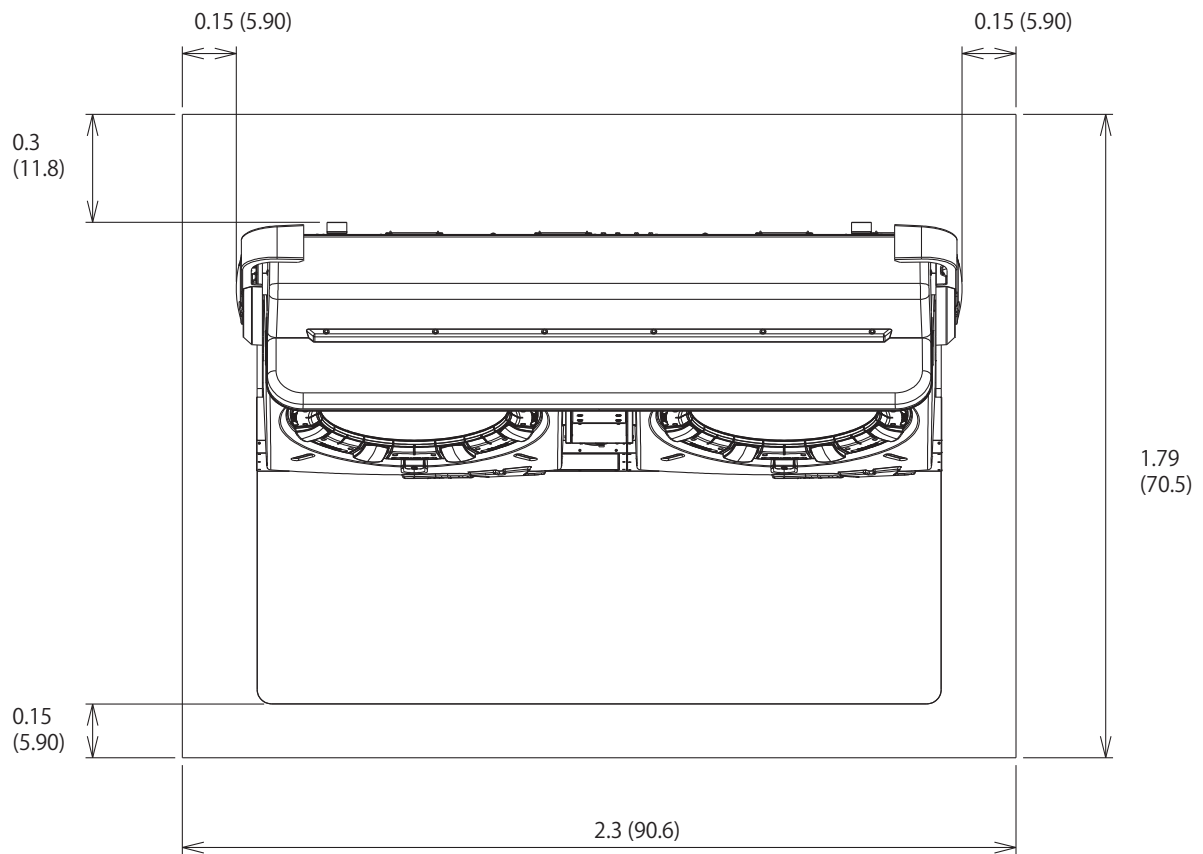
- Be sure to check the electrical specifications. Ensure that this product is compatible with the location's power supply, voltage, and frequency requirements. A plate describing electrical specifications is attached to the product. Noncompliance with the electrical specifications can cause an electric shock or fire.
 - This product requires a breaker and earth mechanism as part of the location facilities. Using the product without these can cause a fire and electric shock.
 - Be sure to use an independent power supply equipped with an earth leakage breaker. Use of power supply without such a 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.
 - Make sure the interior wiring used to power the product has the following capacitance. Noncompliance with the electrical specifications can cause an electric shock and fire.
 - AC 100 V – 120 V: 7 A or higher
 - When using an extension cable, use a cable that meets at least the ratings listed below. Using a cable rated lower than the specified rating can cause an electric shock and fire.
 - AC 100 V – 120 V: 7 A or higher
-
- Assurez-vous de vérifier les spécifications électriques. S'assurer que ce produit est compatible avec l'alimentation électrique, la tension et la fréquence de l'emplacement. Une plaque décrivant les spécifications électriques est attachée au produit. Le non-respect des spécifications électriques peut provoquer un choc électrique ou un incendie.
 - Ce produit nécessite un mécanisme de disjoncteur et de terre dans les installations de localisation. L'utilisation du produit sans ces produits peut provoquer un incendie et un choc électrique.
 - Assurez-vous d'utiliser une fourniture de puissance indépendante équipée d'une source de fuite de terre. L'utilisation de puissance sans telle rupture pourrait entraîner un incendie si il y a une fuite actuelle.
 - Mettre plusieurs charges sur une seule prise électrique peut provoquer une production de chaleur et un incendie résultant d'une surcharge.
 - Assurez-vous que le câblage intérieur utilisé pour alimenter le produit a la capacité suivante. Le non-respect des spécifications électriques peut provoquer un choc électrique et un incendie.
 - AC 100 V – 120 V: 7 A ou plus
 - Lorsque vous utilisez un câble d'extension, utilisez un câble qui correspond au moins aux cotes indiquées ci-dessous. L'utilisation d'un câble dont la cote est inférieure à la cote spécifiée peut provoquer un choc électrique et un incendie.
 - AC 100 V – 120 V: 7 A ou plus

3-2 OPERATION AREA



WARNING / AVERTISSEMENT

- For safe operation, use and operate this product in an area measuring at least 2.3 m (90.6 in) in width and 1.79 m (70.5 in) 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 (90.6 in) 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 (27.6 in) square per player. Failure to provide sufficient space can lead to falling down during play, which could lead to serious head injuries.
-
- Pour un fonctionnement sûr, utiliser et utiliser ce produit dans une zone d'au moins 2,3 m (90,6 po) de largeur et 1,79 m (70,5 po) de profondeur. SEGA n'est pas tenue pour responsable des dommages, indemnisation des dommages causés à un tiers, en raison du non-respect de la présente instruction.
 - Le plafond où ce produit est installé doit être d'au moins 2,3 m (90,6 po). Si le plafond est trop bas, la chaleur émise par le produit peut le faire prendre feu.
 - Assurez-vous d'avoir suffisamment d'espace indiqué dans ce manuel. Ne laissez pas les objets bloquer les ports de ventilation. Ça peut causer de la chaleur et un incendie.
 - Pour faire fonctionner ce produit, il faut prévoir suffisamment d'espace pour le joueur en plus de la surface nécessaire à l'armoire et à la ventilation. Assurez-vous de fournir une superficie d'au moins 0,7 m (27,6 po) par joueur. Le fait de ne pas avoir suffisamment d'espace peut entraîner une chute pendant le jeu, ce qui peut entraîner de graves blessures à la tête.

Installation Example

Unit: m (in.)

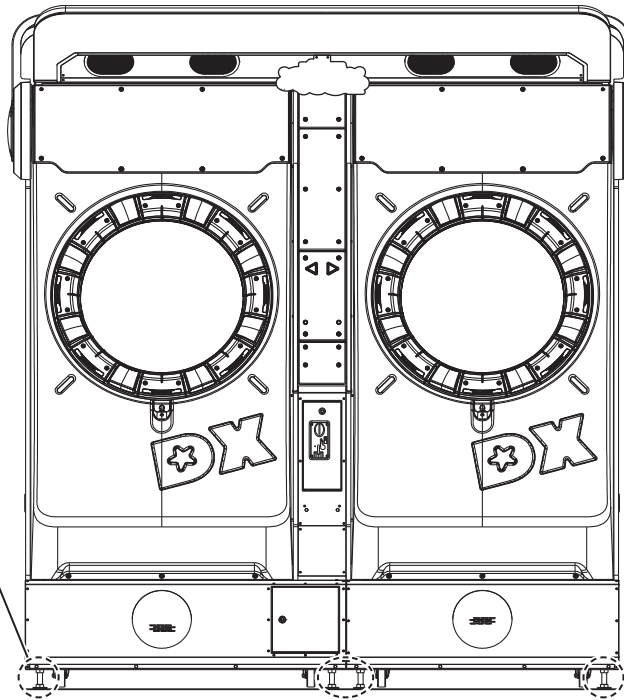
4 PRECAUTIONS REGARDING PRODUCT OPERATION

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

4-1 BEFORE OPERATION

WARNING

- To ensure maximum safety for the players and the customers, ensure that where the product is operated has sufficient lighting to allow any warnings to be read. Operation under insufficient lighting can cause bodily contact with each other, collisions, and/or trouble between customers.
- Check if all of the adjusters are in contact with the floor. If they are not, the cabinet can move and cause an accident.



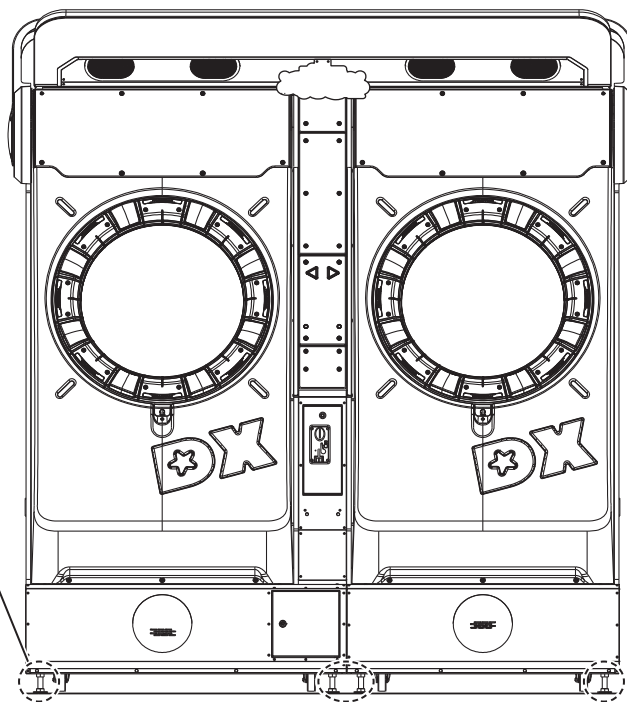
- Do not put any heavy item on this product. Placing any heavy item on the product can cause a falling down accident or parts damage.
- Do not climb on the product. Climbing on the product can cause falling down accidents. To check the top portion of the product, use a stepstool.
- To avoid electric shock, check to see if door and cover parts are damaged or omitted.
- 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.

AVERTISSEMENT

- Afin d'assurer une sécurité maximale aux joueurs et aux clients, assurez-vous que l'éclairage du produit est suffisant pour permettre la lecture des avertissements. Un fonctionnement sous un éclairage insuffisant peut causer des contacts corporels, des collisions et/ou des problèmes entre les clients.
- Vérifiez si tous les régulateurs sont en contact avec le plancher. Si ce n'est pas le cas, le cabinet peut bouger et causer un accident.

Assurez-vous que tous les régulateurs sont en contact avec le plancher.



- Ne mettez pas d'article lourd sur ce produit. Le fait de placer n'importe quel article lourd sur le produit peut causer un accident de chute ou des dommages aux pièces.
- Ne grimpez pas sur le produit. L'escalade sur le produit peut causer des accidents de chute. Pour vérifier la partie supérieure du produit, utilisez un tabouret.
- Pour éviter les chocs électriques, vérifiez si la porte et les pièces de couverture sont endommagées ou omises.
- Ne placez pas les articles suivants sur le dessus du produit, à proximité du produit ou ne les accrochez pas au plafond. Cela pourrait entraîner des chocs électriques, des courts-circuits, des incendies et/ou des dommages aux pièces.

Vases floraux, pots de fleurs, gobelets, réservoirs d'eau, cosmétiques et récipients/conteneurs/bateaux contenant des produits chimiques et de l'eau.

 CAUTION / ATTENTION

- 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 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.
-
- Pour éviter les blessures, assurez-vous d'avoir suffisamment d'espace en tenant compte de la situation potentiellement bondée à l'emplacement de l'installation. Un espace d'installation insuffisant peut causer des contacts, des collisions et/ou des problèmes entre les clients.
 - Pendant le nettoyage quotidien, assurez-vous de vérifier la surface des pièces que le joueur touche avec ses mains pour voir s'il y a des dommages, des fissures ou des vis lâchées. Si un joueur utilise le produit alors qu'il est endommagé, fissuré ou qu'il a une vis lâche, il peut être blessé.
 - Assurez-vous de bien vérifier qu'il n'y a pas de trous ou de grésillement à la porte ou/et à la jonction de l'armoire. S'il y a des trous ou des secousses, les joueurs pourraient se faire attraper les doigts ou les mains, ce qui entraînerait des blessures.
 - Assurez-vous que toutes les portes sont bien verrouillées et qu'elles ne s'agitent pas. Si les portes ne sont pas verrouillées correctement ou s'il y a des trous ou des secousses, les joueurs pourraient se faire attraper les doigts ou les mains. Ça pourrait aussi provoquer des méfaits.
 - Lorsque vous nettoyez le panneau de commande, vérifiez s'il y a des rayures ou des fissures sur la surface et des vis desserrées. Si un joueur utilise la machine alors qu'elle a une vis lâche, il peut être blessé.
 - Préparez un endroit où les joueurs peuvent se reposer s'ils se sentent malades.
 - Assurez-vous d'effectuer un réglage approprié de l'écran LCD. Pour le fonctionnement de ce produit, ne laissez pas le clignotement ou la déviation de l'écran tel quel. Le fait de ne pas observer cette situation peut avoir une mauvaise influence sur les conditions physiques des joueurs ou des clients.

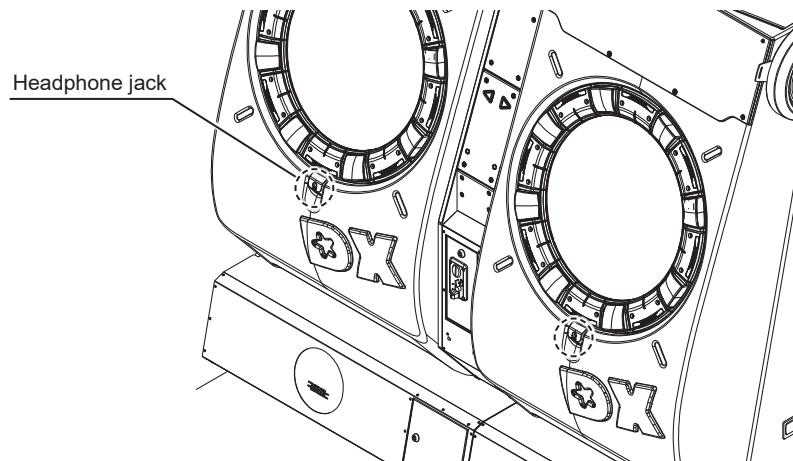
STOP IMPORTANT

- 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.
- Inspect the coin insert slots to make sure no foreign objects have been inserted and that they have not otherwise been tampered with. This will prevent play.
- Do not rub or scratch the screen surface with hard items such as brushes, scrub brush, etc.
- Do not stick tape, stickers or anything else onto the screen. Any kind of adhesive may damage the surface of the screen.

4

STOP IMPORTANT

- Start the server machine before powering up the client machine. If the server machine is started afterward, the in-store network may not operate correctly.
- Do not rub or scratch the screen surface with hard items such as brushes, scrub brush, etc.
- Do not stick tape, stickers or anything else onto the screen.
- Do not connect any device other than the headphones to the headphone jack. If a device other than the headphones is connected, the board could be damaged.
- Since the headphone jack is plugged into and out of at the time of each play, it may be handled roughly or intentionally abused. Be sure to periodically inspect the headphone jack and perform an output test. (See “4-1 SPEAKER TEST” in the Service manual.)



4-2 PAYING ATTENTION TO CUSTOMERS

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 the customer from leaning against or climbing on the product, etc.
- To avoid electric shock, short circuit and fire, do not allow customers to unplug the power plug without a justifiable reason.
- 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.
 - 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.

CAUTION

Instruct those who feel sick during play to have a medical examination.

 AVERTISSEMENT

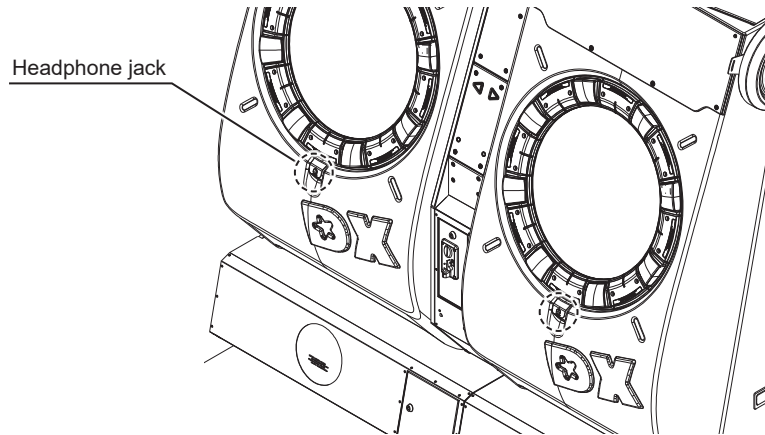
- Pour des raisons de sécurité, ne laissez aucune des personnes suivantes jouer le jeu. Le non-respect de cet avertissement pourrait entraîner des blessures graves.
 - Les personnes qui ne tiennent pas compte de l'affichage d'avertissement du produits.
 - Ceux qui sont intoxiqués.
- Pour éviter les blessures causées par les chutes et les chocs électriques dus aux boissons renversées, demandez au joueur de ne pas placer d'articles lourds ou de boissons sur le produit.
- 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.
- Pour éviter les chocs électriques et les courts-circuits, ne pas permettre aux clients de mettre des mains et des doigts ou des matières étrangères dans les ouvertures du produit ou de petites ouvertures dans ou autour des portes.
- Pour éviter un choc électrique, un court-circuit et un incendie, ne pas permettre aux clients de débrancher la prise d'alimentation sans raison valable.
- Par souci de sécurité, arrêter les actes suivants de la part des joueurs, qui pourraient entraîner des accidents. Elles peuvent aussi causer des dommages ou des déformations de pièces, des défaillances de fonctionnement ou des problèmes inutiles.
 - Manipulations violentes.
 - J'éteins des cigarettes ailleurs que dans le cendrier.
 - Des actes qui bloquent les ports de ventilation.
 - Je mets des boissons sur l'armoire.
 - On place l'aire de pluie à proximité.
 - Actes impliquant des personnes autres que le joueur qui touchent les commandes pendant le jeu.
 - Placer les objets là où ils bloquent le passage par d'autres clients.
 - Je penche l'armoire.
 - Appuyé contre le moniteur ou d'autres actions qui pourraient mener à des accidents.

 ATTENTION

Demandez à ceux qui se sentent malades pendant la partie de se faire examiner par un médecin.

STOP IMPORTANT

- It is recommended that players be instructed to use the headphones responsibly. If used irresponsibly, trouble such as damage and theft may occur.
- Do not connect any device other than the headphones to the headphone jack. If a device other than the headphones is connected, the board could be damaged.



About Aime Cards

STOP IMPORTANT

The following Aime cards can be used with this product: Aime Card, MJ Member's Card, Hatsune Miku Project DIVA Arcade Access Card.

Ensure that players are aware of the following points.

- Do not bend Aime cards, get them wet or expose them to strong magnetism.
- Do not keep or leave Aime cards in hot, humid places.
- Do not lend or loan Aime cards to other people.
- When Aime card data is being read, ensure that they make direct contact with the cabinet's touch-type card reader.
- We take no responsibility for breakage, loss, theft, dirtying, incorrect use or data corruption of Aime cards and mobile phones.

[What is Aime?]

Aime is a service that allows multiple compatible games bearing the "Aime" mark to be played using a single Aime card.

Users can gain access to various Aime-compatible game services by registering on the "Aime Service Site." Registration is free of charge.

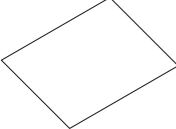
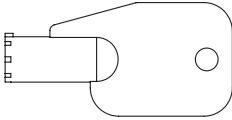
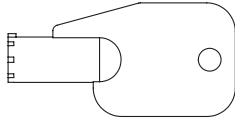
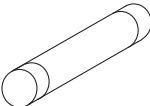
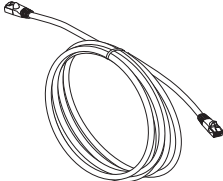
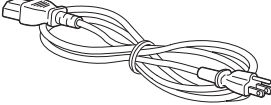
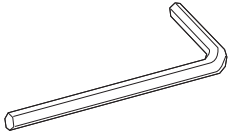
5 ACCESSORIES

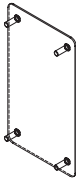
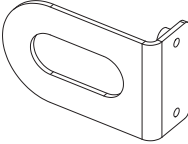
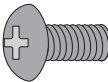
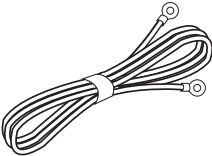
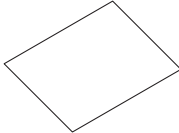
The parts listed in the table below are Tools and Spare parts that may not be used depending on operating conditions. Keep them in a safe place for maintenance purposes.

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.

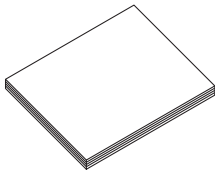
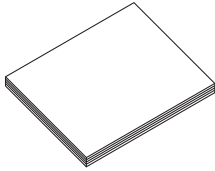
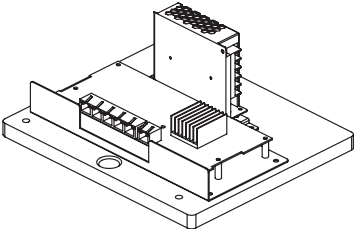
Accessories Table

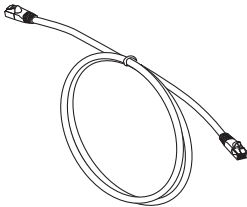
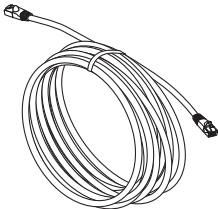
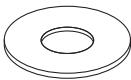
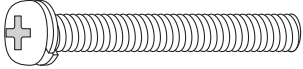
Part Name/Part No.	Diagram/Use etc.	Quantity
About Using the Multipurpose Bracket TSBG-4211427401	 (See Chapter 17.)	1
Master key TSBG-22057932A1	 The master key is attached to the top of the Select button for shipping.	2
Key	 For cashbox door The keys are placed inside the Selector door for shipping.	2
Fuse TSBG-5145176500	 250V, 10A, Spare The spare fuse is placed inside the fuse case. (See Chapter 15.)	1
LAN cable (10 m/32.8 ft) TSBG-6007269100	 (See 6-3.)	1
Test tool 610-0880	 For touch sensor test (See "3-5 TOUCH SENSOR TEST" in the Service manual.)	1
Power Cable TSBG-6008205	 The power cable is in the coin box for shipping.	1
Hexagonal wrench (For M4) TSBG-6100881		1

Part Name/Part No.	Diagram/Use etc.	Quantity
Coin selector cover TSBG-MMT0011		1
Multi purpose bracket TSBG-MMT0010	 (See Chapter 17.)	2
Truss head screw (Black, M4 x 8)	 (See Chapter 17.)	4
Earth cable TSBG-6006972250	 (See Chapter 10.)	1
INSTR SH WARNING FOR US&CANADA TSBG-42114USCAN		1

Router Kit

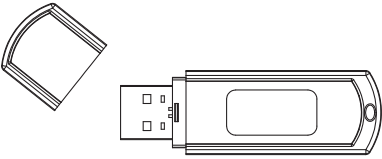
Kit Number: TSBG-XKT2293EX1

Part Name/Part No.	Diagram/Use etc.	Quantity
Owner's Manual MMT ENG TSBG-4207791	 This manual	1
ALLS HX2.1 Service Manual ENG TSBG-420772101		1
Router unit TSBG-MMT4300	 (See 6-1-6.)	1

Part Name/Part No.	Diagram/Use etc.	Quantity
"SERVER" sticker TSBG-42111708	 (See 6-1-6.)	1
LAN cable (1 m/3.3 ft) TSBG-600726901	 (See 6-3.)	1
LAN cable (50 m/164 ft) TSBG-600726950	 (See 6-3.)	1
Large plain washer (For M4)	 (See 6-1-6.)	2
Screw (M4 × 35, with Spring lock washer)	 (See 6-1-6.)	2

Software Kit

Kit Number: XKT-2458-EX1

Part Name/Part No.	Diagram/Use etc.	Quantity
Installation USB flash drive MDA-U0085Q	 (See 6-5.)	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 work with less than the specified number of people makes the work more difficult and may cause accidents.
- Check to see if the casters and adjusters are damaged. Operating the product with damaged parts may lead to the product falling 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 serious accident such as the cabinet falling down, do not perform work in places where step-like grade differences, a ditch, or slope exist.
- Ensure that plenty of space is available for assembly and installation. Performing these tasks in an unsuitable environment may cause accidents.
- Be sure to perform grounding appropriately. Inappropriate grounding can cause an electric shock. Otherwise there could be faulty, erroneous operations and/or damage to the parts.
- Ensure that connectors are accurately 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.
- To perform work safely and securely, be sure to prepare a stepstool which is in a secure and stable condition. Performing work without using the stepstool can cause violent falling down 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.

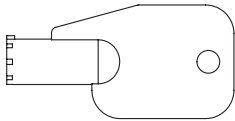
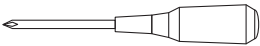
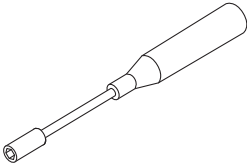
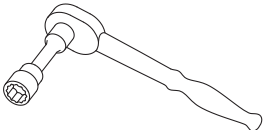
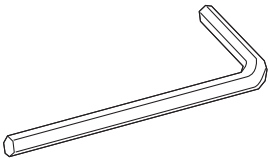
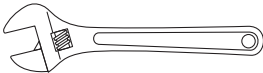
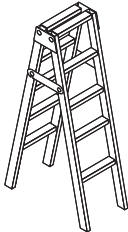
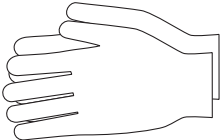
 AVERTISSEMENT

- Ce travail devrait être effectué par du personnel d'entretien des lieux ou par d'autres professionnels qualifiés. Le travail effectué par du personnel non technique peut causer un grave accident, comme un choc électrique.
- Faites attention à votre environnement si deux travailleurs ou plus servent ce produit à la fois. Ne pas le faire pourrait causer des collisions et des contacts avec des pièces. Demandez à quelqu'un de superviser le travail si nécessaire. De plus, si les travailleurs travaillent séparément sur différentes pièces et commettent une erreur dans l'ordre de montage, cela pourrait causer un accident imprévisible ou rendre impossible le montage correct du produit.
- Pour tout travail énuméré dans ce manuel qui nécessite plus d'une personne, assurez-vous d'effectuer le travail avec au moins le nombre de personnes spécifié. Le fait d'effectuer un travail avec moins de personnes que le nombre spécifié rend le travail plus difficile et peut causer des accidents.
- Vérifiez si les douilles et les régulateurs sont endommagés. L'utilisation du produit avec des pièces endommagées peut entraîner une chute du produit.
- Vérifiez si tous les régulateurs sont en contact avec le plancher. Si ce n'est pas le cas, le cabinet peut bouger et causer un accident.
- Pour effectuer un travail sécuritaire et éviter les accidents graves comme la chute de l'armoire, ne faites pas de travail là où il y a des différences de classe, un fossé ou une pente.
- Assurez-vous que beaucoup d'espace est disponible pour le montage et l'installation. L'exécution de ces tâches dans un environnement inadapté peut causer des accidents.
- Assurez-vous d'effectuer la mise à la terre de façon appropriée. Une mise à la terre inappropriée peut causer un choc électrique. Sinon, il pourrait y avoir des opérations erronées et/ou des dommages aux pièces.
- Assurez-vous que les connecteurs sont correctement connectés. Des connexions inadéquates peuvent causer un choc électrique, un court-circuit ou un incendie.
- Attention à ne pas endommager les câbles. Les câbles endommagés peuvent causer un choc électrique, un court-circuit ou un incendie.
- Afin d'effectuer un travail en toute sécurité, assurez-vous de préparer un tabouret dans un état stable et sûr. Le fait d'effectuer un travail sans utiliser le tabouret peut causer des accidents violents.
- Faites preuve de ATTENTION lorsqu'on utilise un tabouret pour effectuer le travail. Une chute ou un renversement pourrait entraîner un accident majeur. Et si le plafond est bas, tu pourrais te cogner la tête.

CAUTION / ATTENTION

- 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 glass/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 glass/plastic parts, be careful not to tighten screws and nuts excessively. Failure to observe this may damage the parts and cause injury due to fragments resulting from damage.
 - 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.
-
- Lorsque vous ouvrez, fermez ou attachez ou enlevez des portes ou d'autres parties, veillez à ce que vos mains ou vos doigts ne soient pas pris dans quoi que ce soit.
 - Faites attention à la manipulation des pièces en verre ou en plastique. Si de telles pièces sont exposées à des charges ou à des chocs excessifs, elles risquent d'être endommagées, entraînant des fragments ou des fissures pouvant causer des blessures accidentelles.
 - Lorsque vous fixez des pièces en verre ou en plastique, veillez à ne pas serrer excessivement les vis et les écrous. Si vous ne l'observez pas, vous risquez d'endommager les pièces et de causer des blessures dues à des fragments qui en résultent.
 - Soutenez et maintenez bien les pièces en place et attachez-les avec des vis et/ou des boulons. Utilisez au moins deux travailleurs, l'un pour appuyer la pièce et l'autre pour l'attacher en place. Si une pièce n'est pas prise en charge de façon sécuritaire, elle peut tomber, entraînant un accident.
 - Si toutes les pièces d'attache fixées (bruits, écrous et lave-linge) sont enlevées, les pièces tombent et causent des accidents. S'assurer que les pièces sont solidement appuyées lors de l'enlèvement des fixations apposées.
 - Portez des vêtements de travail appropriés pour que le travail puisse être effectué en toute sécurité. Utilisez des gants et des chaussures de sécurité pour prévenir les accidents ou les blessures.

Tools Necessary for Work

 Master key (Accessory)	 Phillips screwdriver (PH2)	 Nut driver (WAF 7 mm [for M4])	 Sockets for hexagon head bolts and nut (WAF 13 mm [for M8]) <i>Note: Prepare a 150 mm extension.</i>
 Hexagonal wrench (For M4)	 Wrench (WAF 24 mm)	 Stepstool (2 pcs)	 Gloves

6-1 ASSEMBLING THE CABINET

Have two or more workers and use a stepstool when performing this task.

6-1-1 Connecting Cabinet 1P and Cabinet 2P

STOP IMPORTANT

Connect Cabinet 1P to Cabinet 2P on a flat, level surface.

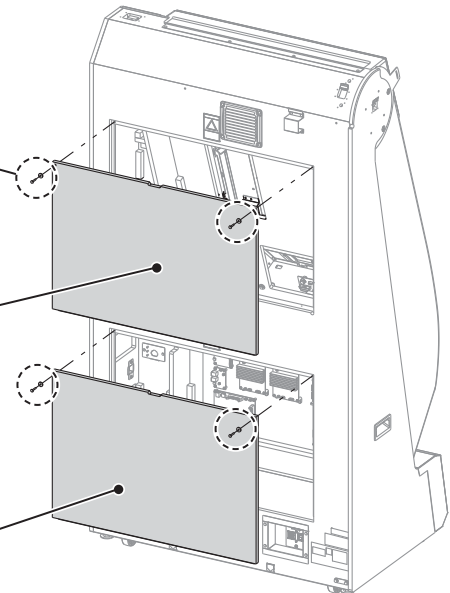
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- 1 Remove four truss head screws from Cabinet 1P and take off Back door 1P upper/lower.

Truss head screw (4), black
M4 x 25, large flat washer (black) used

Back door 1P upper

Back door 1P lower

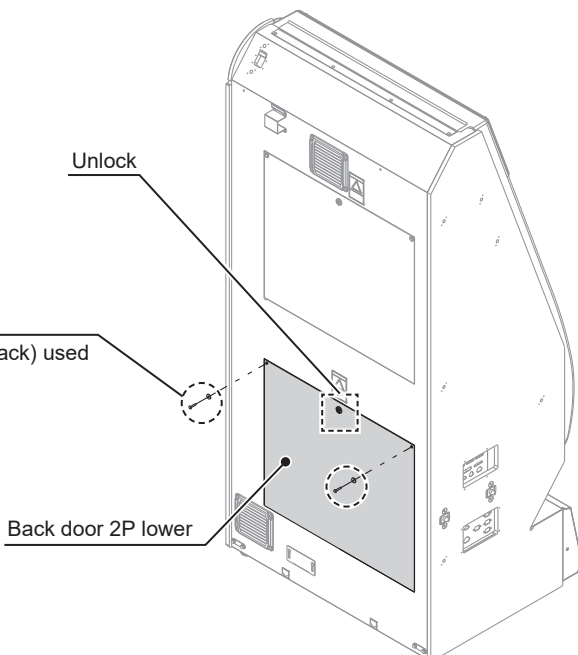


- 2 Remove two truss head screws from Cabinet 2P, and then unlock Back door 2P lower and take it off.

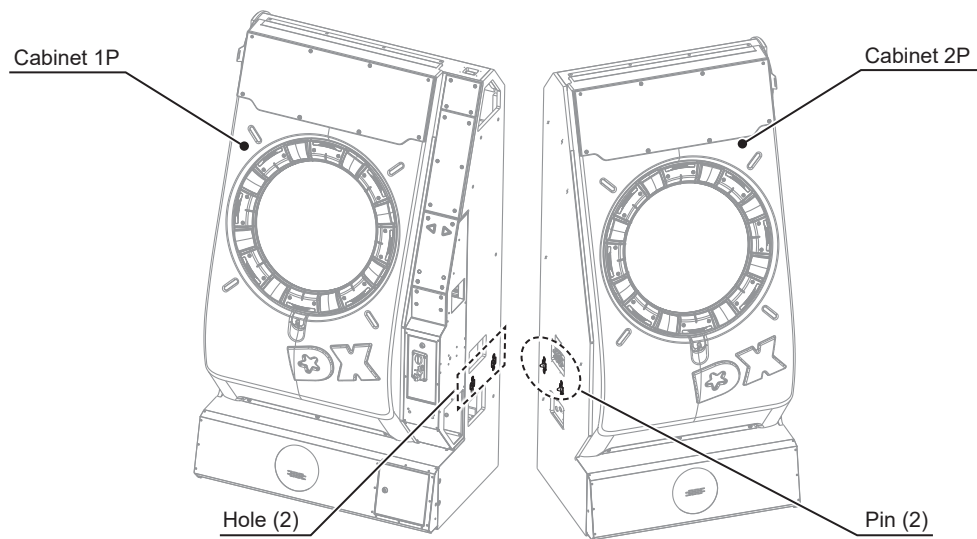
Unlock

Truss head screw (2), black
M4 x 25, large flat washer (black) used

Back door 2P lower

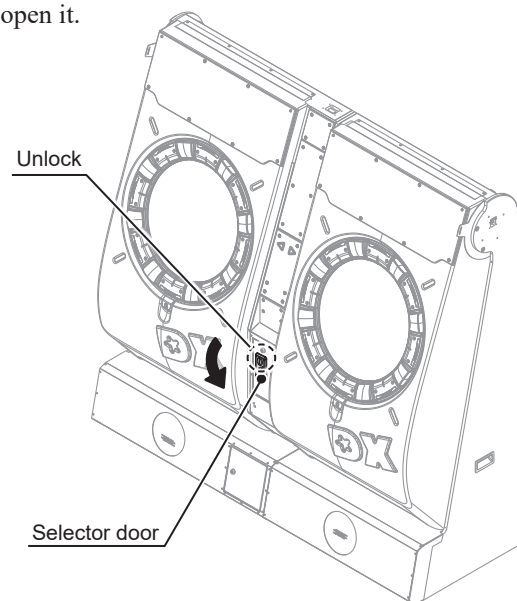


- 3 Insert the Cabinet 2P pin into the hole of Cabinet 1P. When doing this, be careful not to get cables caught.

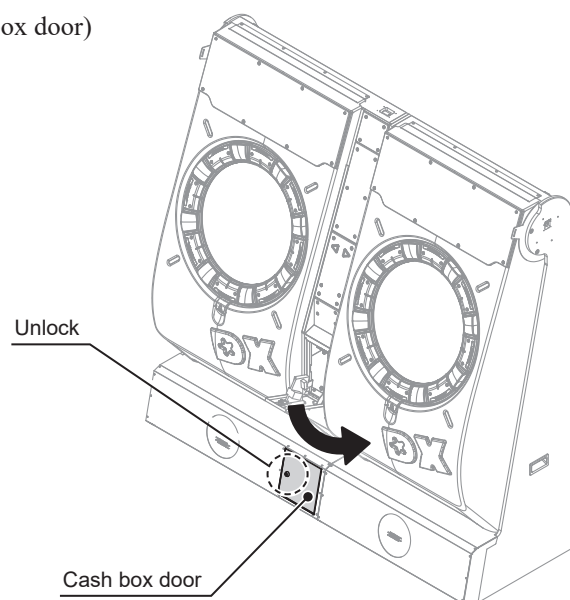


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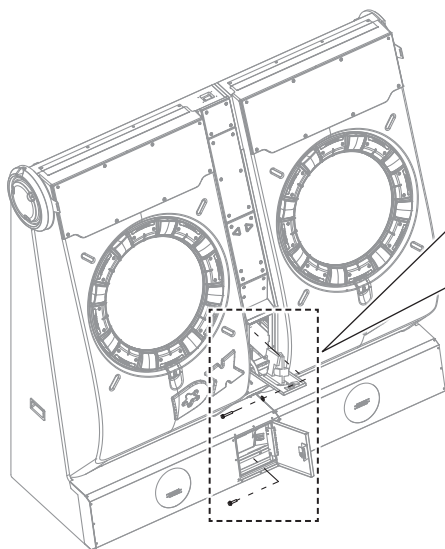
- 4 Unlock the Selector door with the Master key and then open it.



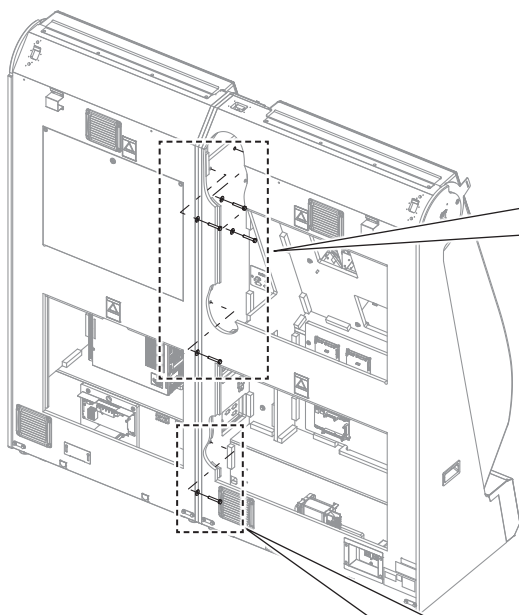
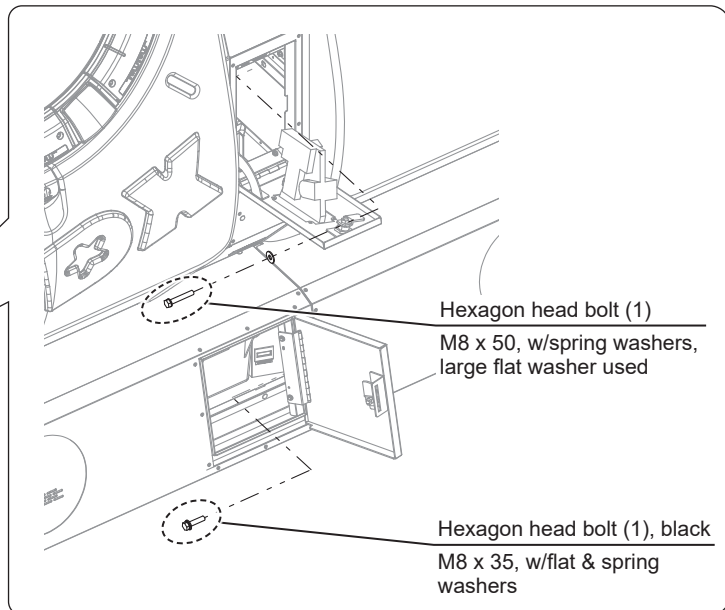
- 5 Unlock the Cash box door with the key (for cashbox door) attached inside the Selector door and then open it.



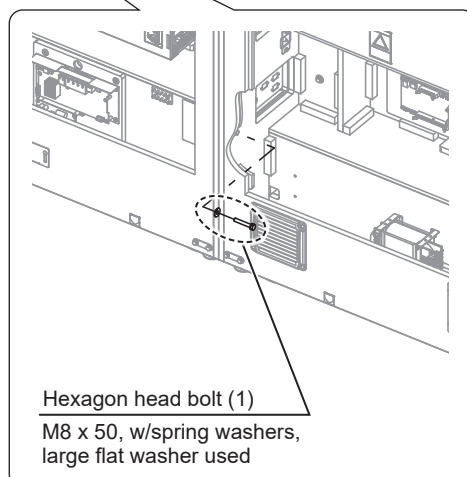
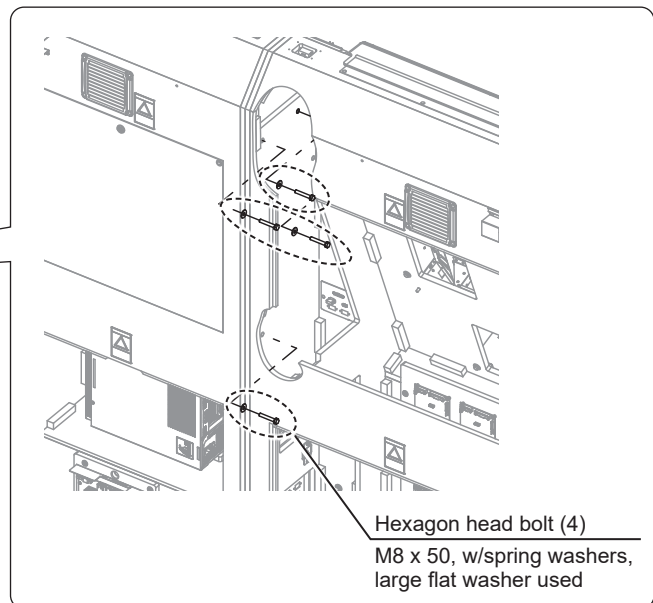
- 6** Secure Cabinet 1P and 2P with seven hexagon head bolts. When doing this, use a 150 mm extension for one hexagon head bolt (black).



Front of the Cabinet



Back of the Cabinet



7 Connect 13 connectors.

Connector (8)

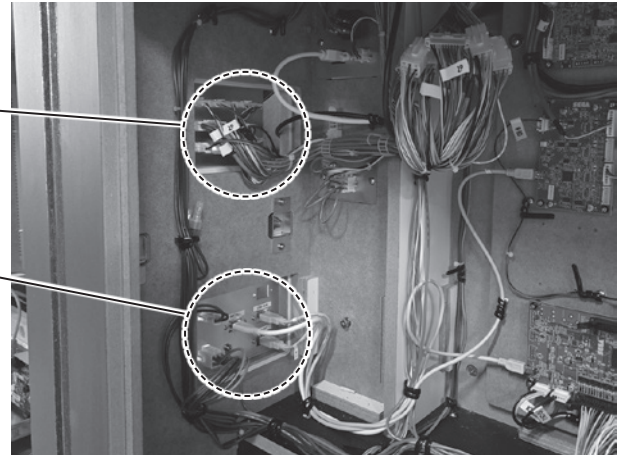
SM3P, SM11P, SM12P,
XA12P, XAD26P, YL2P, YL4P,
YL6P

Connector (5)

VL2P, VL8P, USB2.0 (2), USB3.0

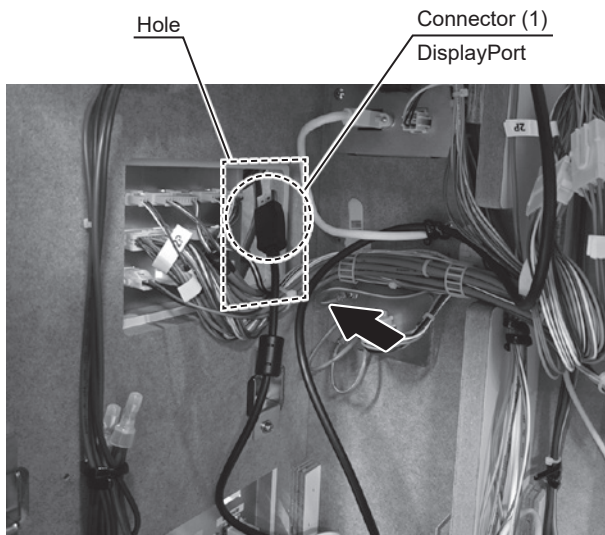
Note:

- Connect USB2.0 connectors to [USB-SER][I/O BD] from upper right respectively.
- Connect USB3.0 connector to [INSTALL] at the center.

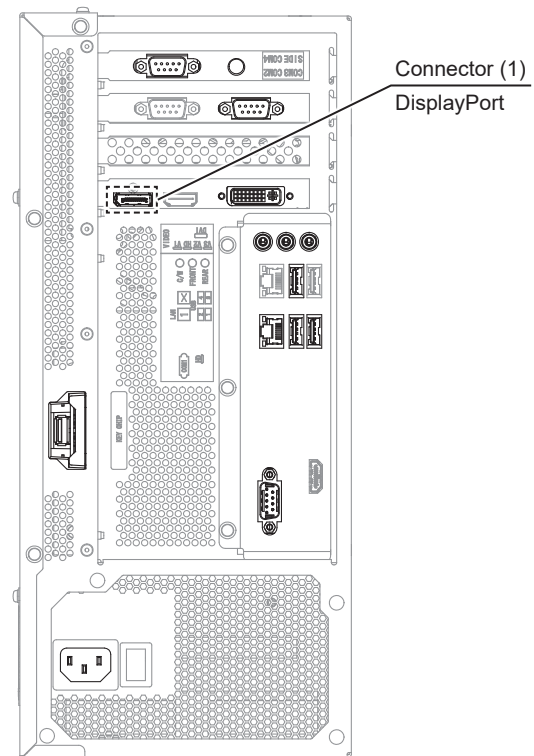


Inside Cabinet 1P (back)

8 Pull out the DisplayPort cable from Cabinet 1P to Cabinet 2P and connect it to the ALLS HX2.1 installed on Cabinet 2P.

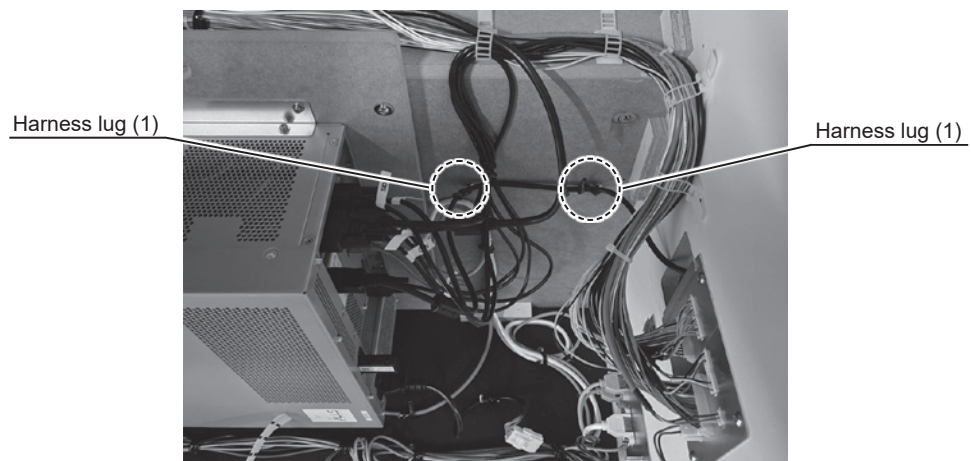


Inside Cabinet 1P (back)



ALLS HX2.1

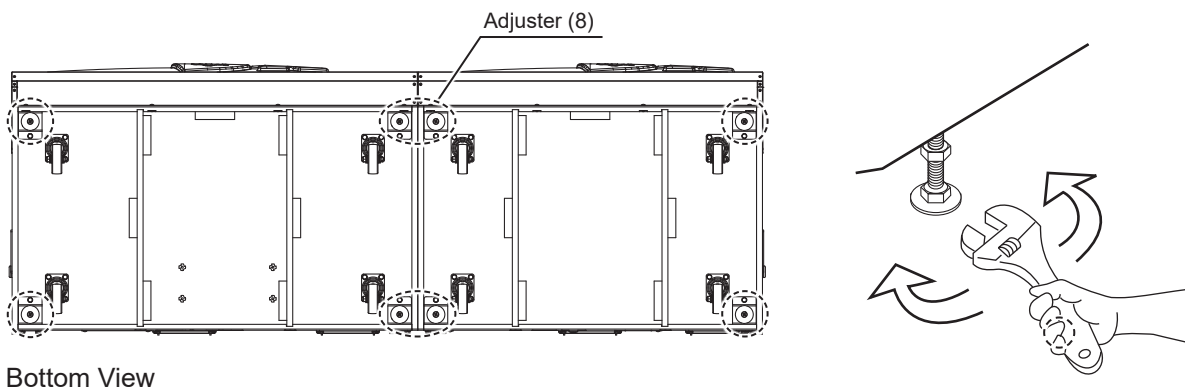
9 Secure the cable connected in Step 8 with the two harness lugs.



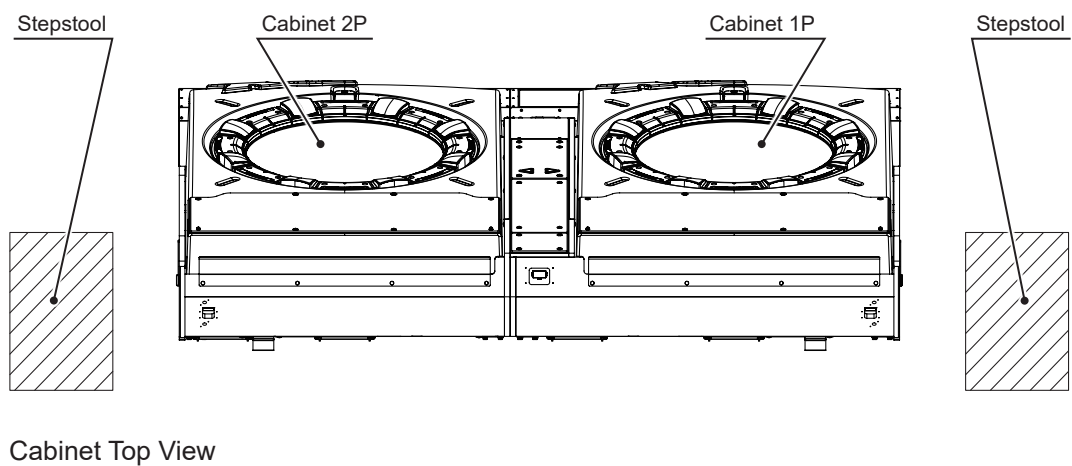
10 Refer to Steps 4 and 5 and work in reverse order to close the Cash box door and Selector door.

6-1-3 Attaching the Billboard

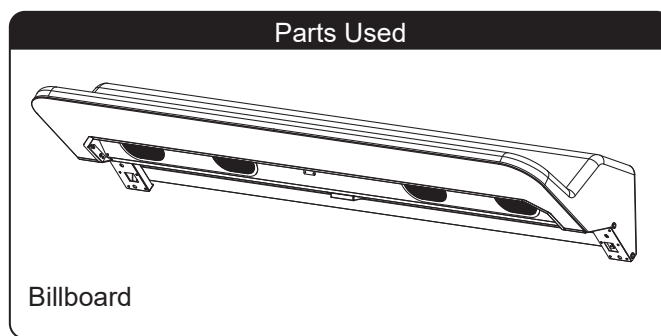
- 1 Bring the eight adjusters into direct contact with the floor.



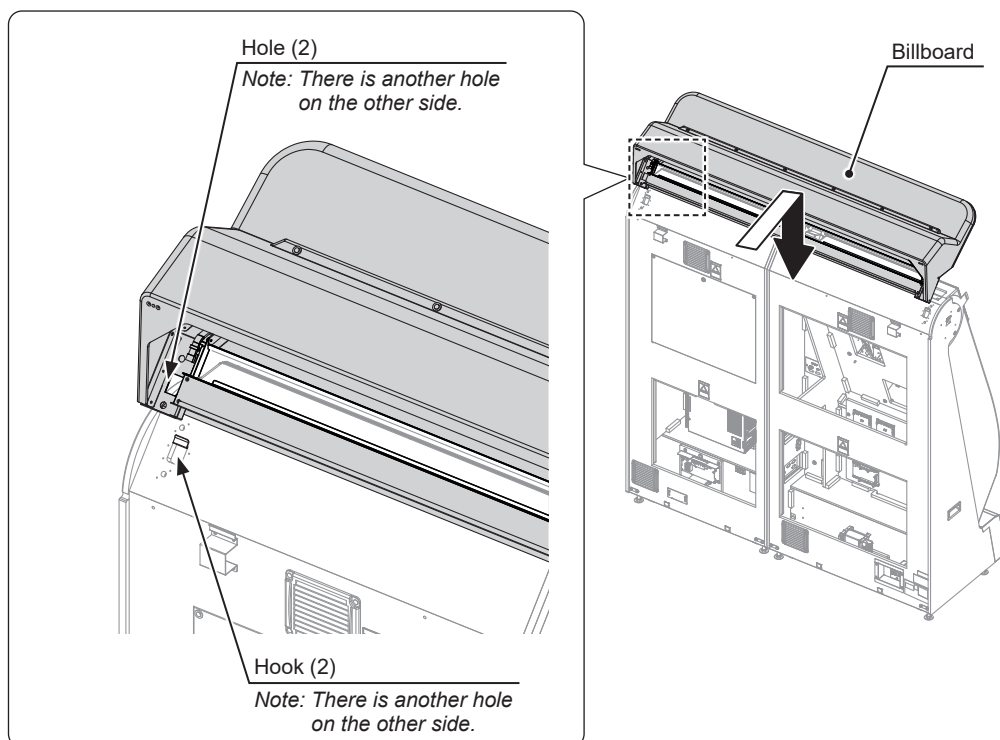
- 2 Place two stepstools beside the cabinet as below.



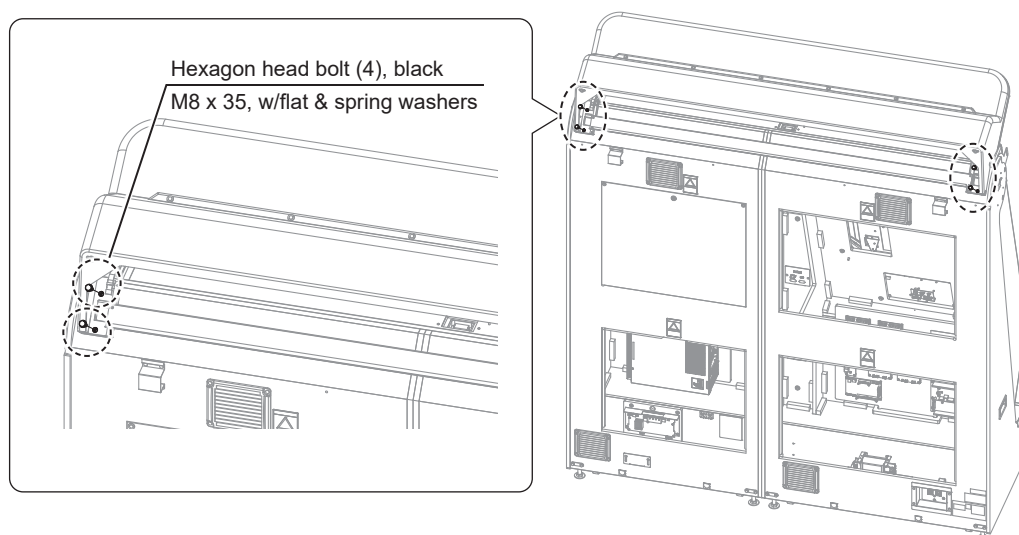
- 3 Have at least two people support the Billboard and attach it to the cabinet. When doing this, hook the hole behind the Billboard to the tab on the cabinet.



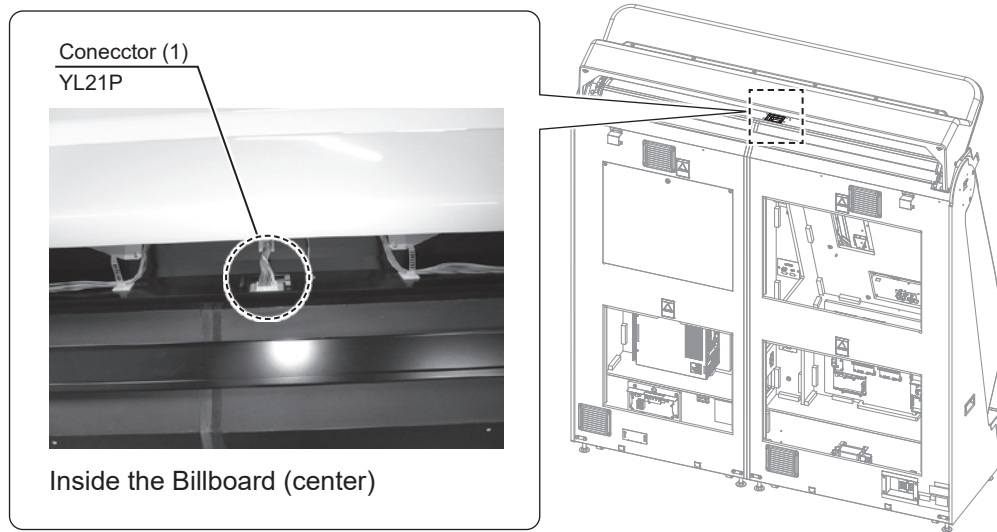
6



- 4 Secure the Billboard with four hexagon head bolts.

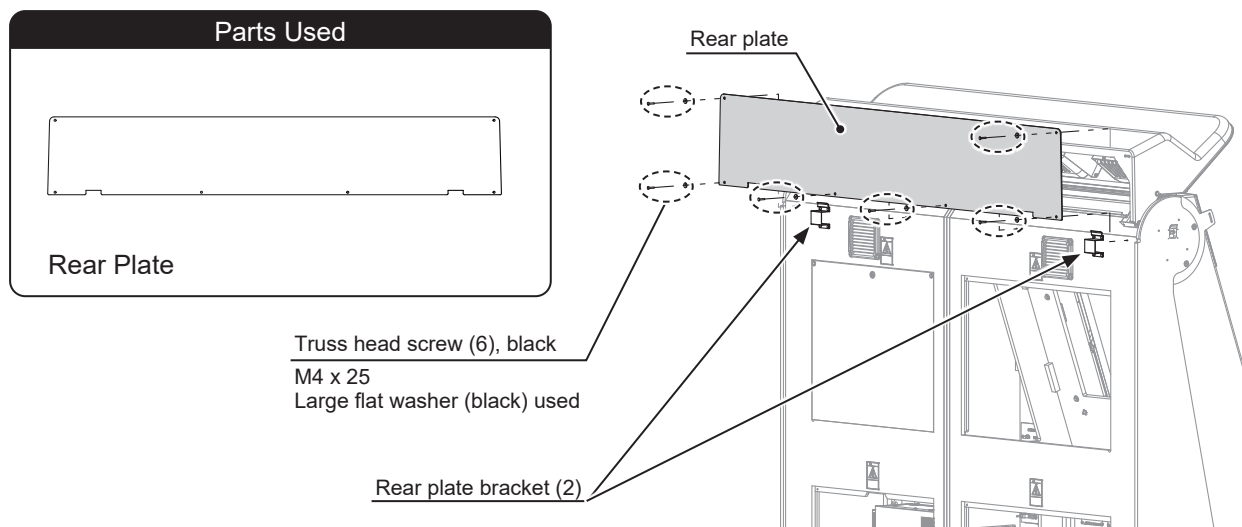


5 Connect a connector.



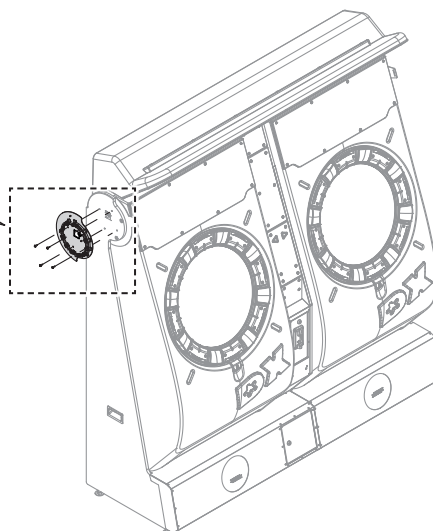
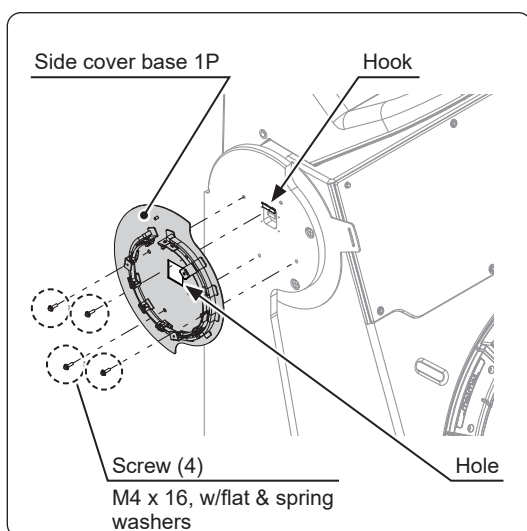
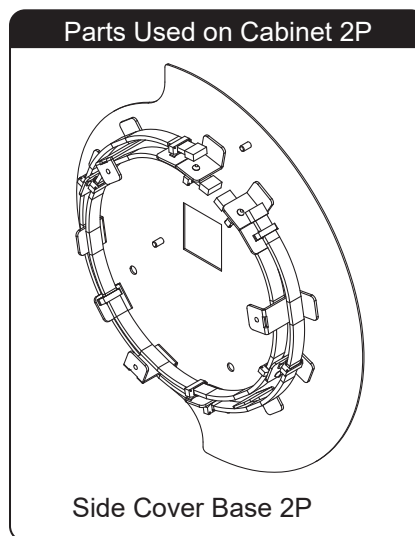
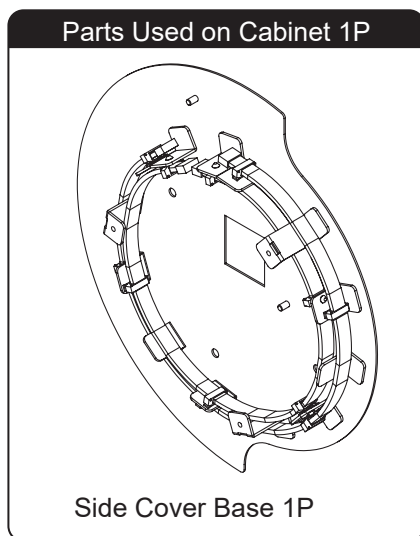
6

6 Insert the Rear plate to the Rear plate bracket and secure it with six truss head screws.



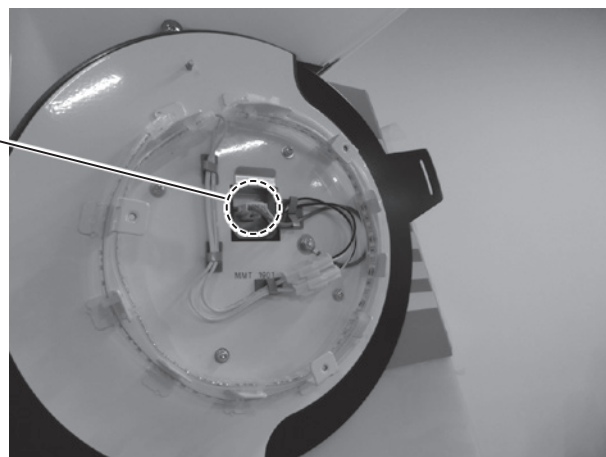
6-1-4 Attaching the Side Cover and Billboard POP

- 1 Hook the hole on the Side cover base 1P to the tab on the cabinet and then secure it with four screws.

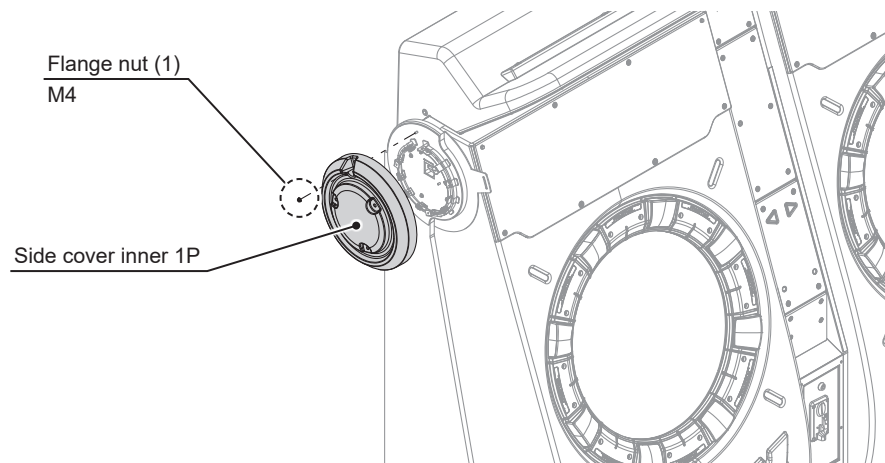
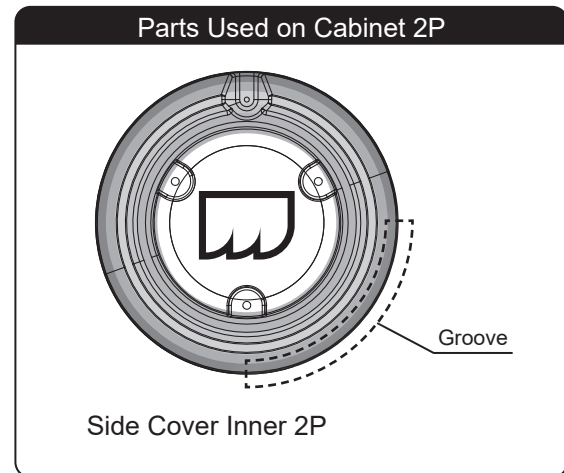
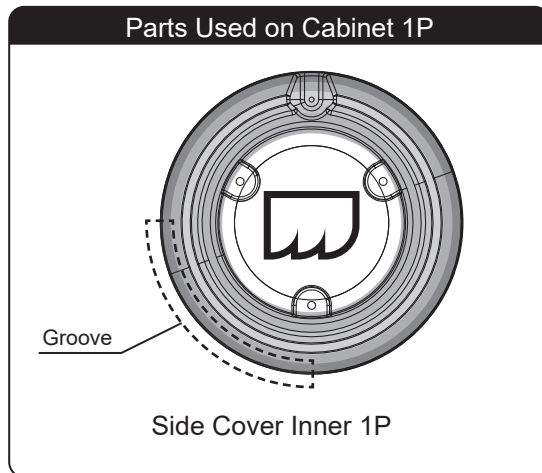


- 2 Connect a connector.

Connector (1)
YL3P

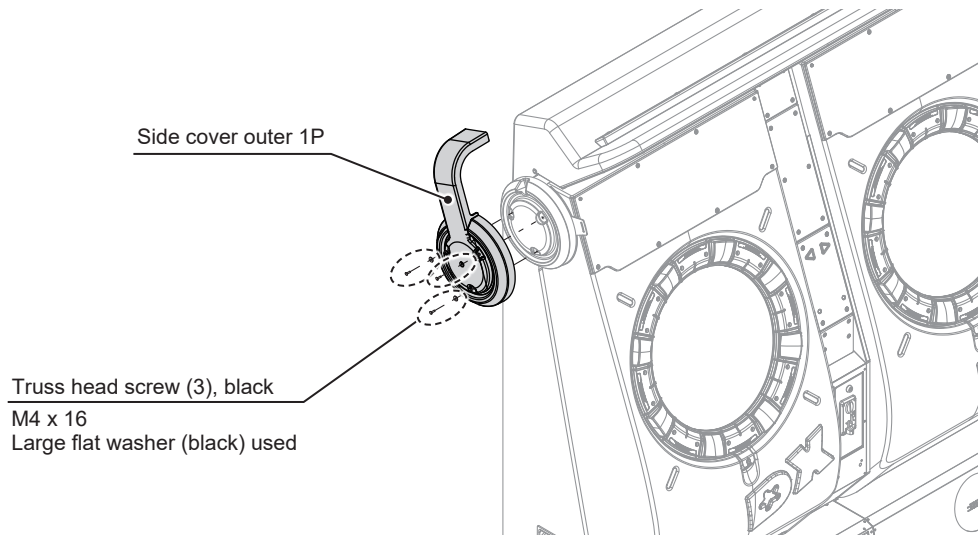
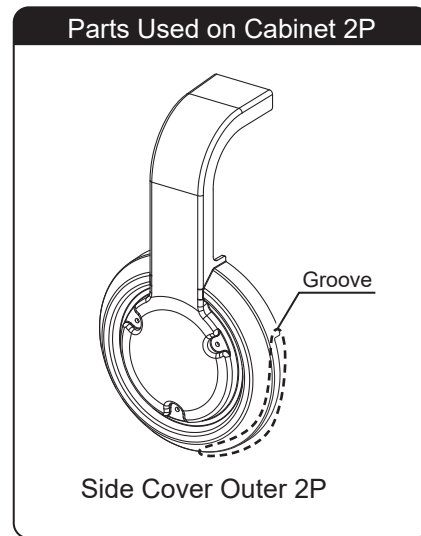
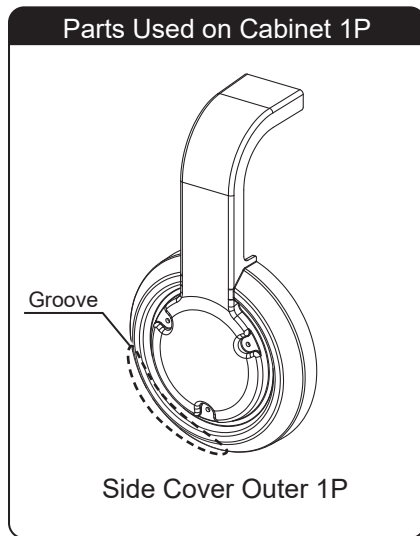


3 Attach Side cover inner 1P with a flange nut.



4

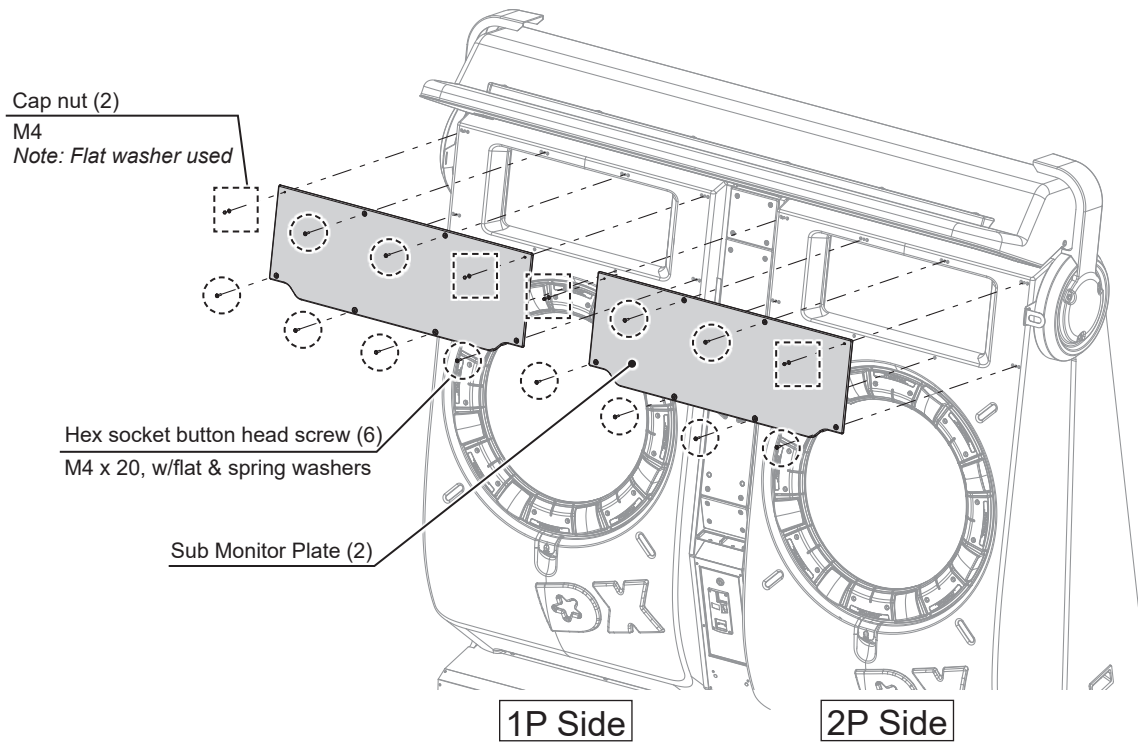
Attach Side cover outer 1P with three truss head screws.



5

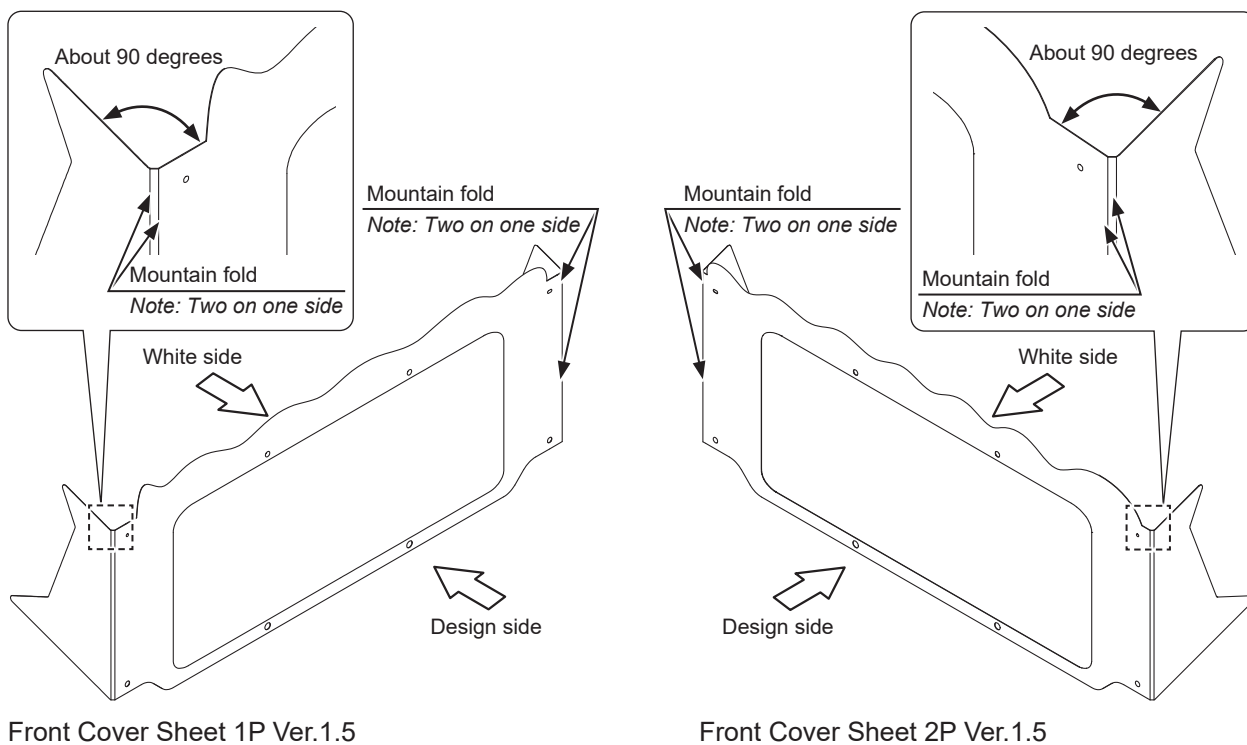
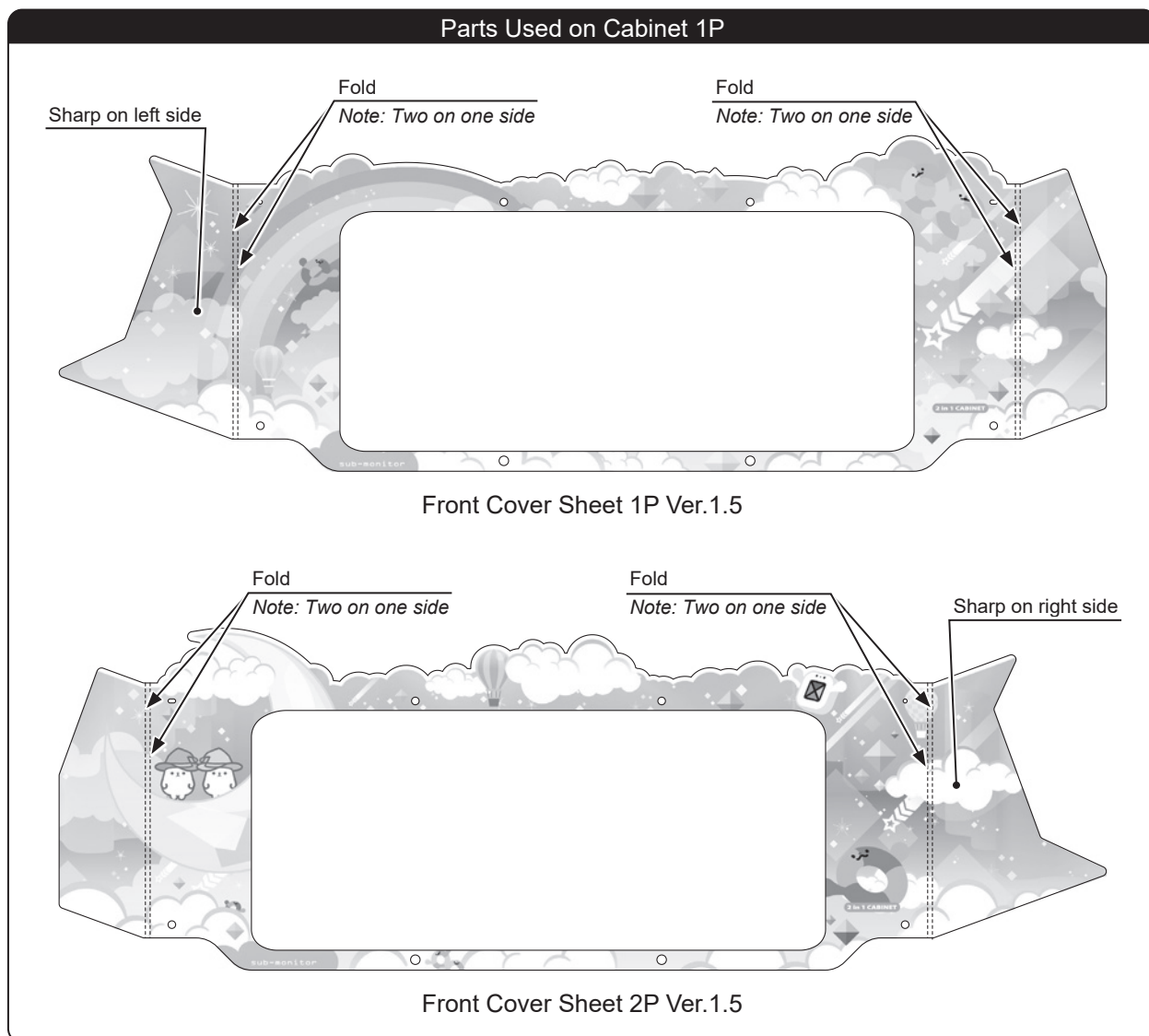
Refer to Step 1 to 4 and work in the same order to attach Side cover base 2P, Side cover inner 2P and Side cover outer 2P.

- 6 Remove six hex socket button head screws each, two cap nuts each and take off two Sub Monitor Plates.

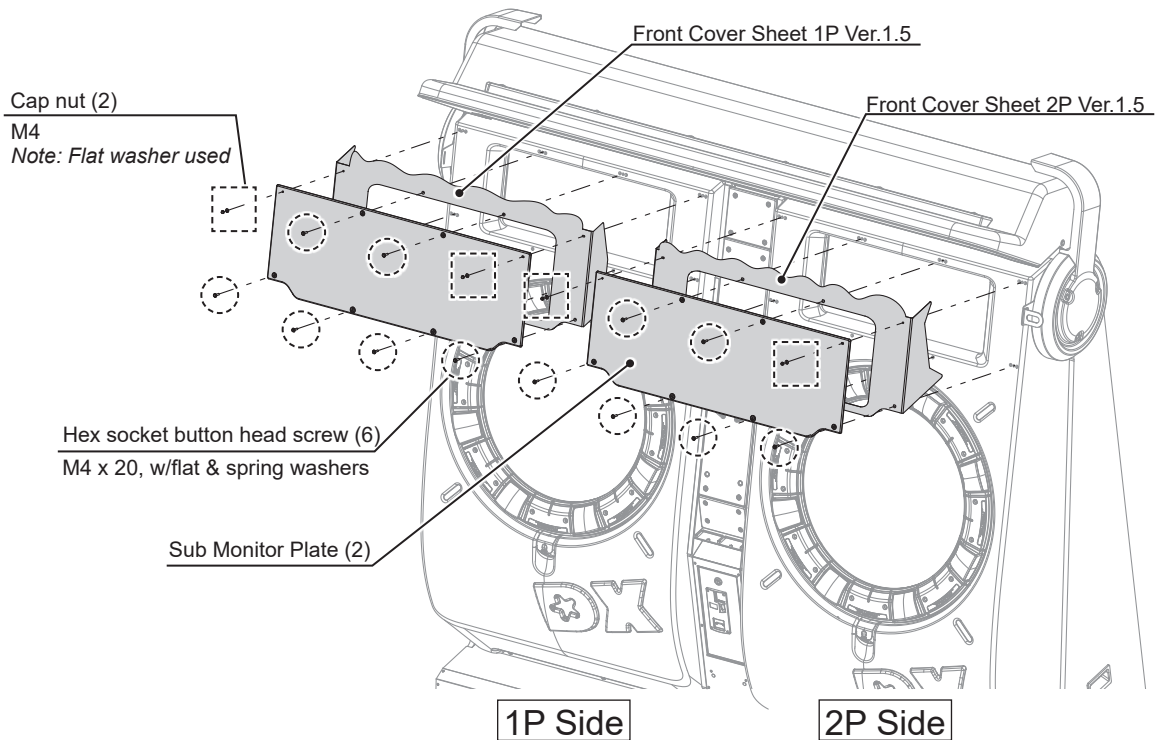


7 Fold Front Cover Sheet 1P Ver.1.5 and 2P Ver.1.5 about 90 degrees in a mountain fold along the crease.

6

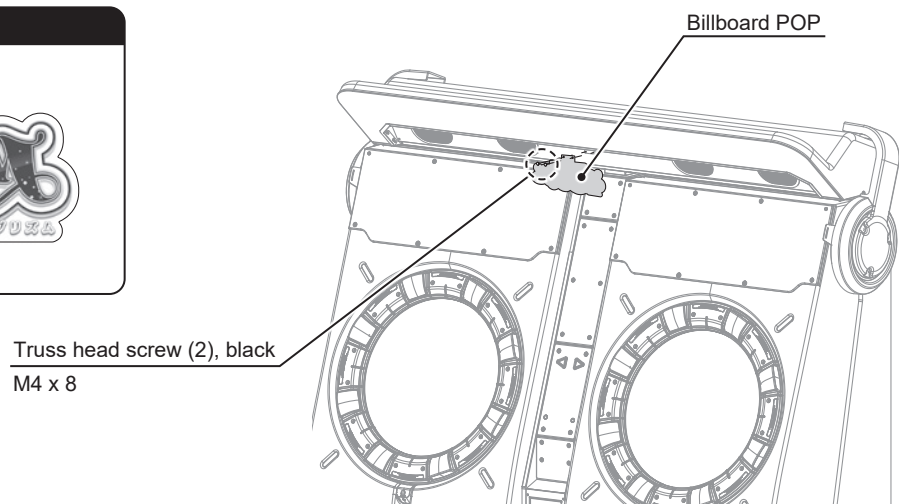
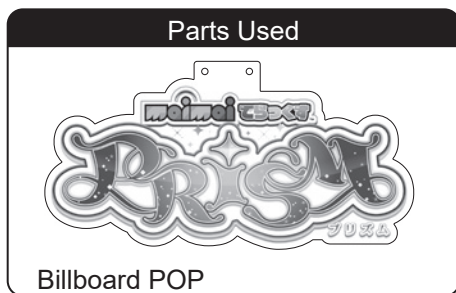


- 8** Attach Front Cover Sheet 1P Ver.1.5 and 2P Ver.1.5 that were bent in step 7 and the two Sub-Monitor Plates that were taken off in step 6 with six hex socket button head screws each and two cap nuts each. *Note: When viewed from the front of the Cabinet, 1P is on the left side and 2P is on the right side. Front Cover Sheet 1P and 2P cannot be attached to the Cabinet if they are reversed (left and right side switched).*



6

- 9** Attach the Billboard POP with two truss head screws.



6-1-5 Attaching the Key Chip

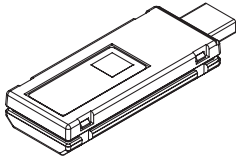
STOP IMPORTANT

The key chip is a precision device. It can be damaged by heat, impact, and static electricity. Exercise caution in handling this equipment.

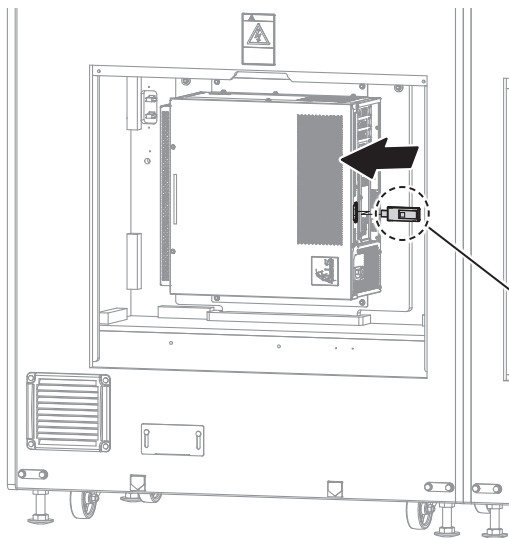
- 1 Insert the key chip into the ALLS HX2.1. When doing this, check the direction of the key chip carefully and be sure to insert it all the way in.

6

Parts Used



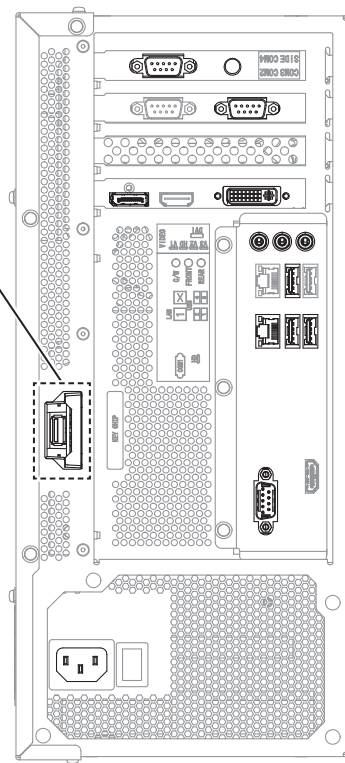
Key Chip



Cabinet 2P (rear)

Key chip attachment position

Key chip



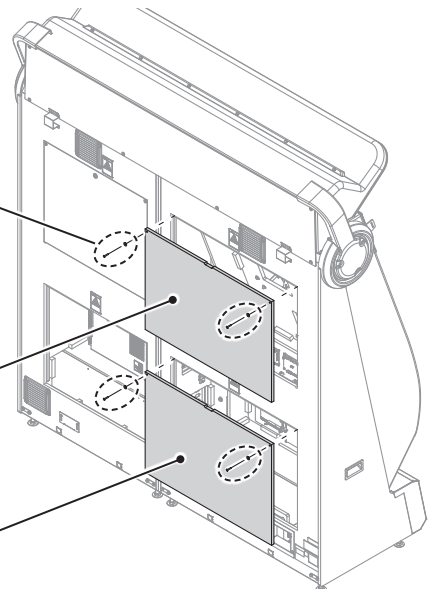
ALLS HX2.1

- 2 Attach Back door 1P (upper / lower) with four truss head screws.

Truss head screw (4), black
M4 x 25
Large flat washer (black) used

Back door 1P upper

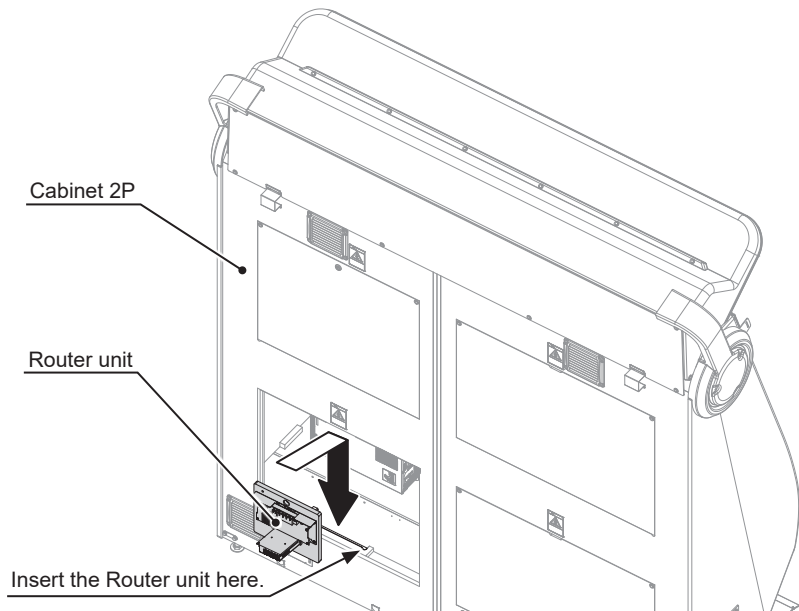
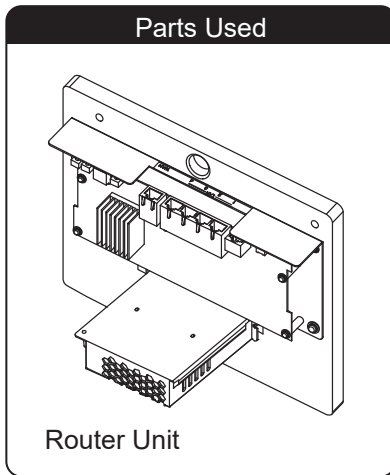
Back door 1P lower



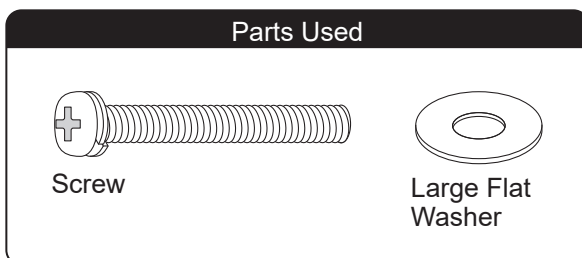
6-1-6 Attaching the Router Unit

Tasks described in this chapter should be applied only on the Server machine.

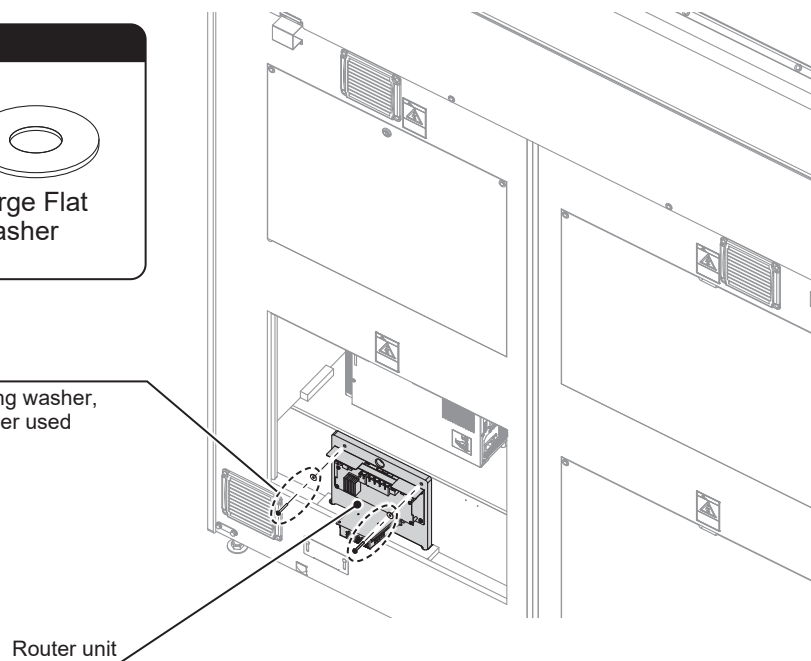
- 1 Insert the Router unit from the Router kit to Cabinet 2P. When doing this, be careful not to get the cables caught.



- 2 Secure the Router unit with two screws from the Router kit.

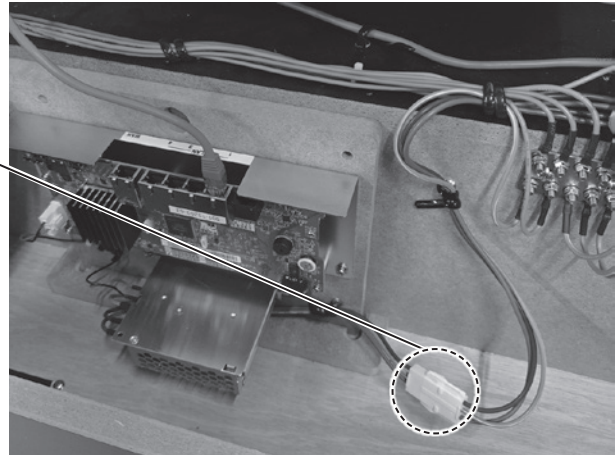


Screw (2)
M4 x 35 w/spring washer,
Large flat washer used



3

Connect a connector.

Connector (1)
VL3P

Back of cabinet 2P (inside)

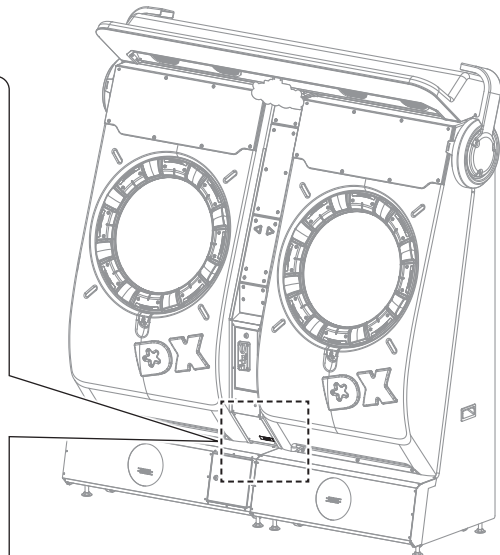
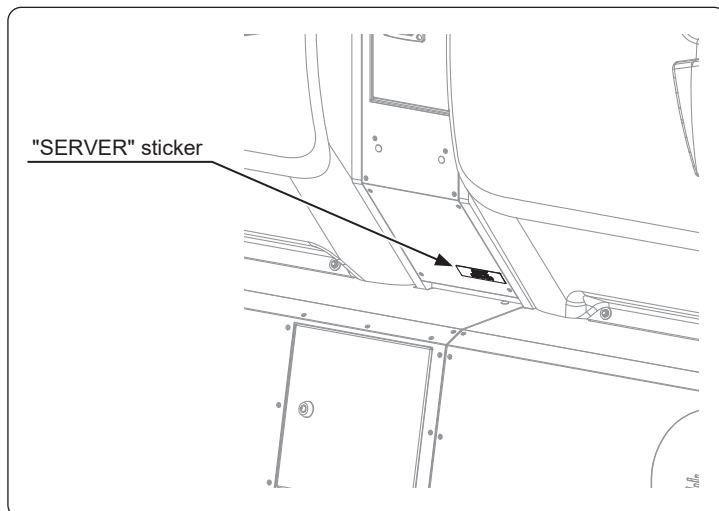
4

Refer to the figure below, attach the "SERVER" sticker from the Router kit.

Parts Used

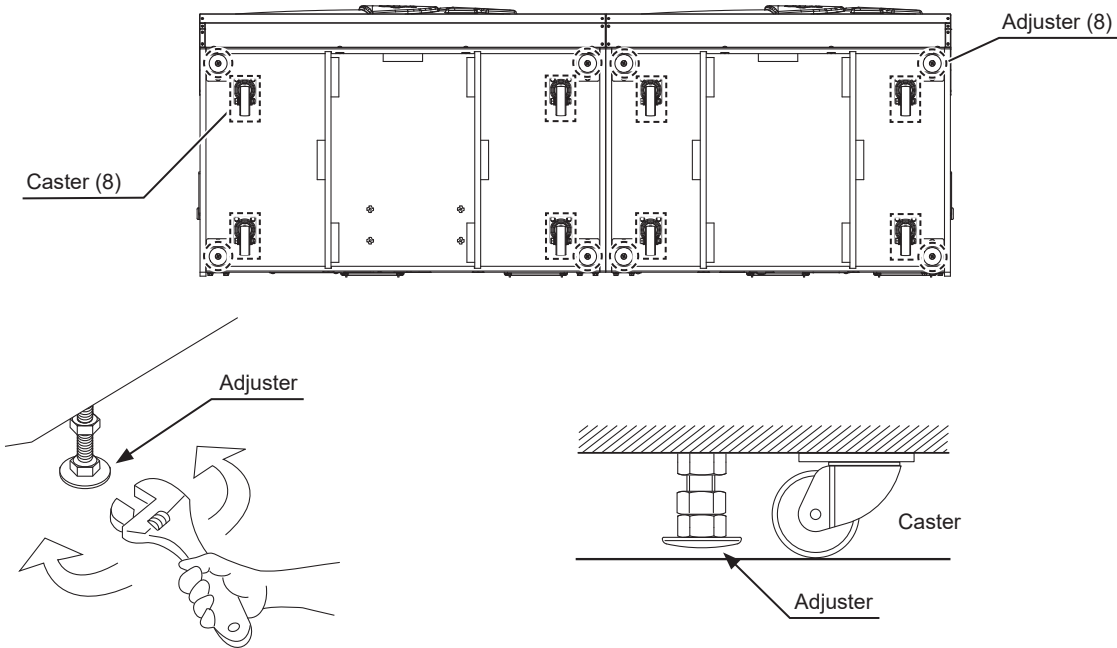


"SERVER" Sticker



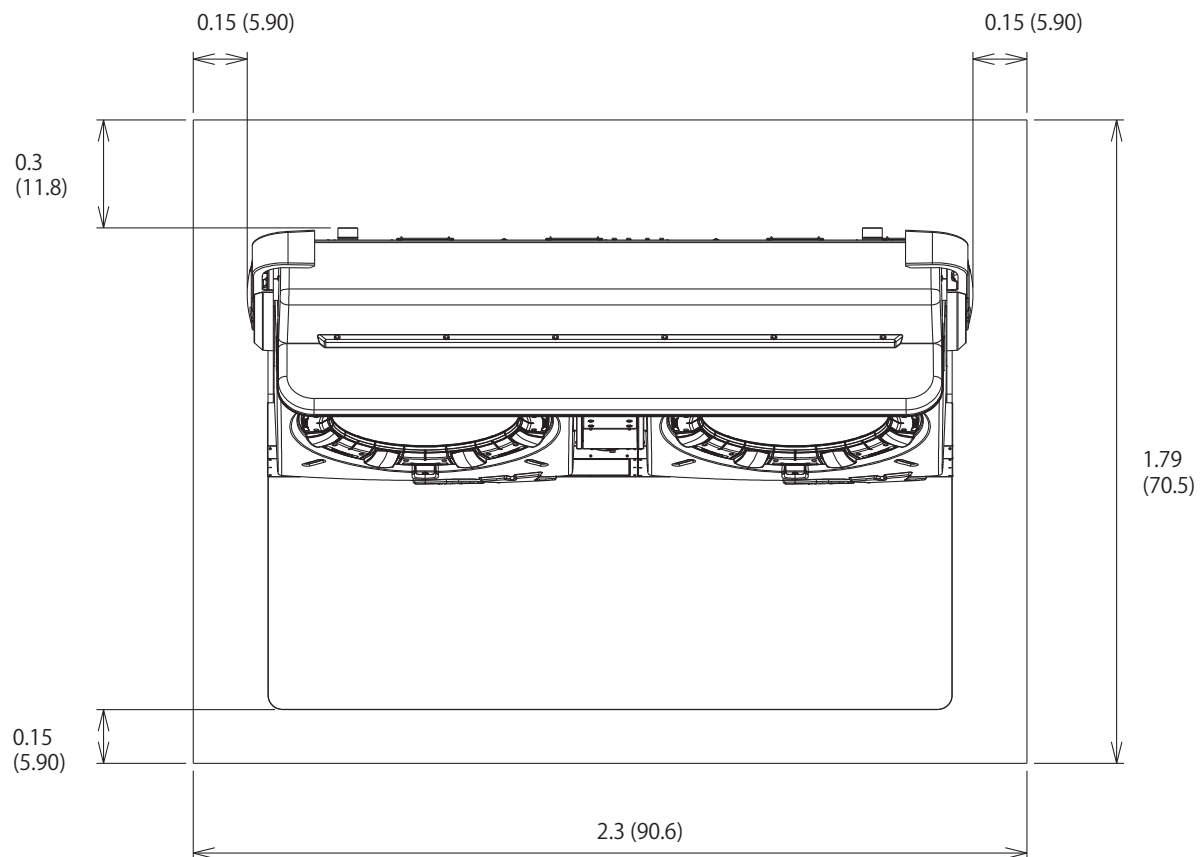
6-2 INSTALLING THE CABINET

- 1 Raise the eight adjusters on the bottom of the cabinet and have the eight casters contact the floor.



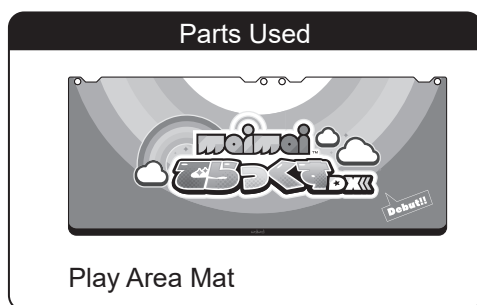
6

- 2 Move the product to the installation site. (See 3-2, Chapter 8.)

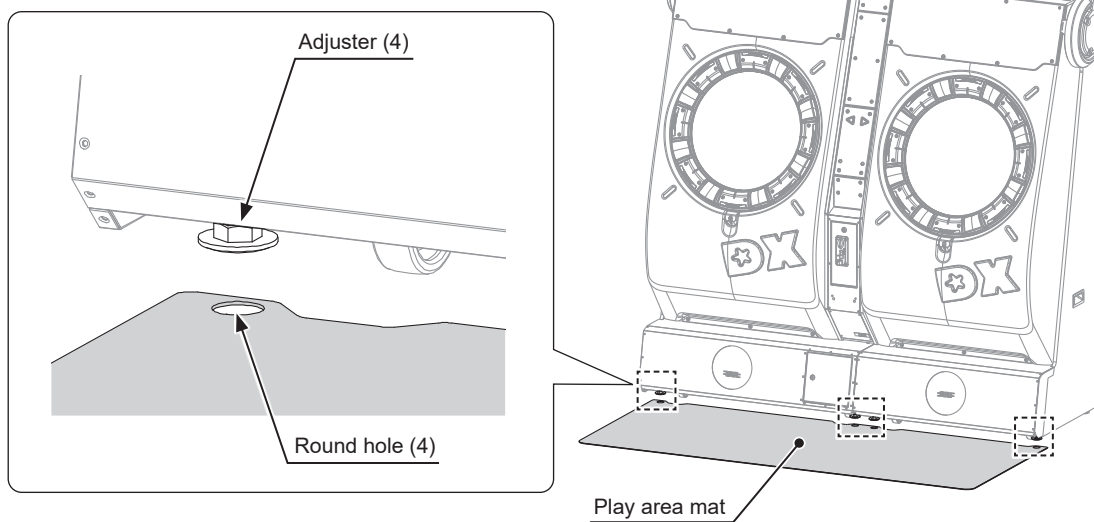


Cabinet Installation Example [Unit: m (in.)]

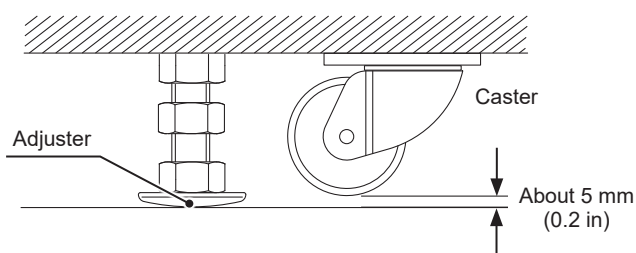
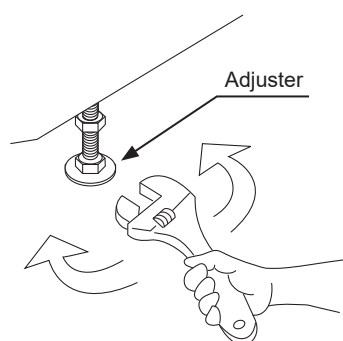
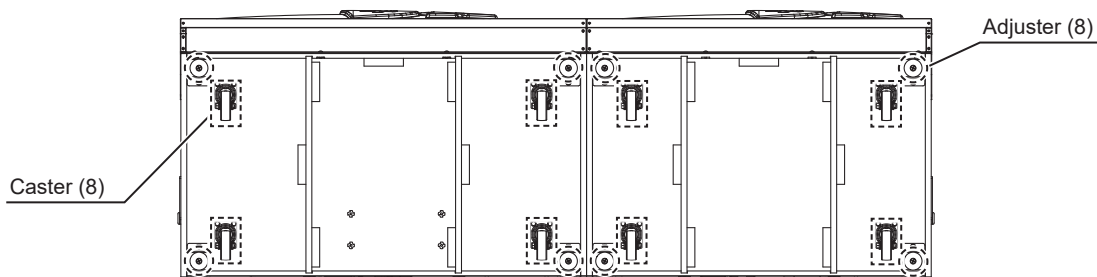
- 3 Lay the Play area mat with its round holes aligned with the adjusters.



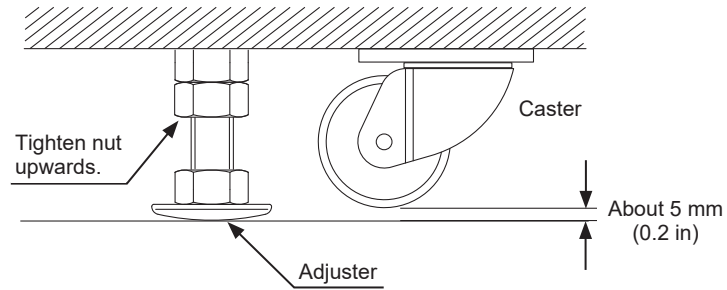
6



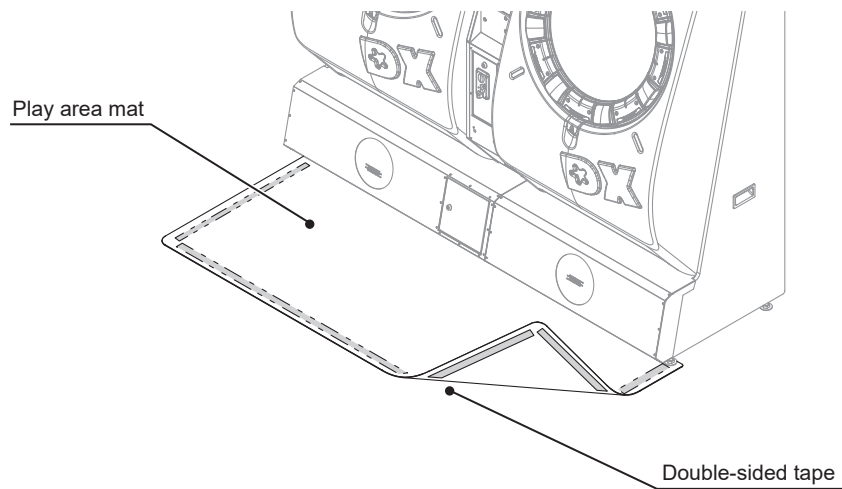
- 4 Bring the adjusters into direct contact with the floor. Align the height of the adjusters 5 mm from the floor and the cabinet is perfectly level. Also, ensure that the adjusters are sitting inside the round holes in the Play area mat.



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



- 6 Secure the underside of the Play area mat with double-sided tape.



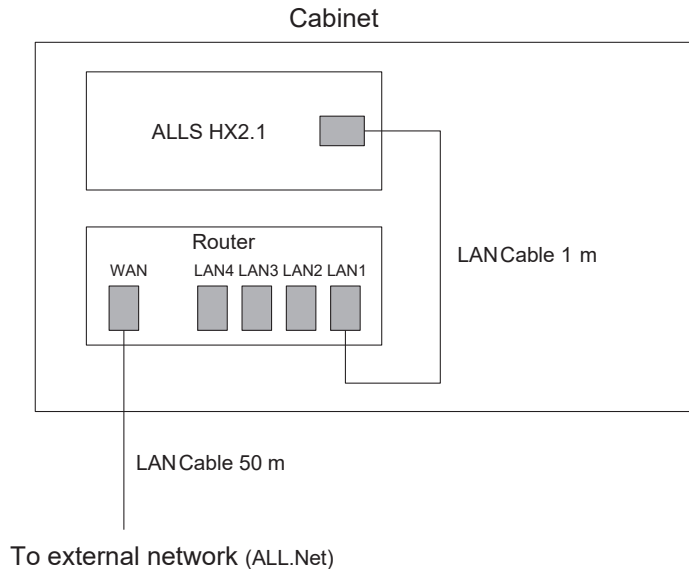
6-3 CONNECTING THE LAN CABLE

The external network environment (devices, facility, etc.) may vary depending on the store.

For details on connecting to external network (ALL.Net), contact the point-of-purchase or the office listed in this manual.

Refer to "6-3-1" for one cabinet operation and refer to "6-3-2" for two cabinet operation.

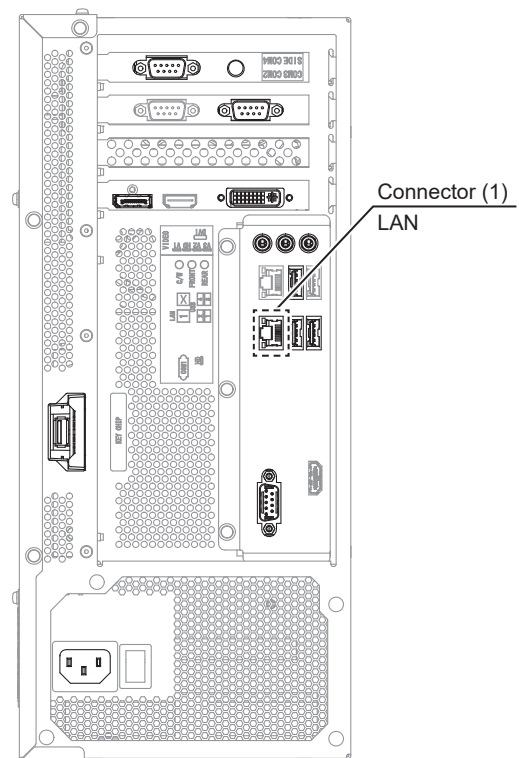
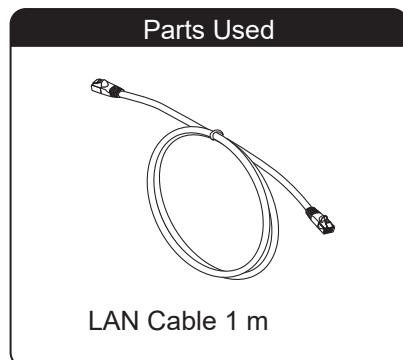
6-3-1 One Cabinet Operation



Network Block Chart

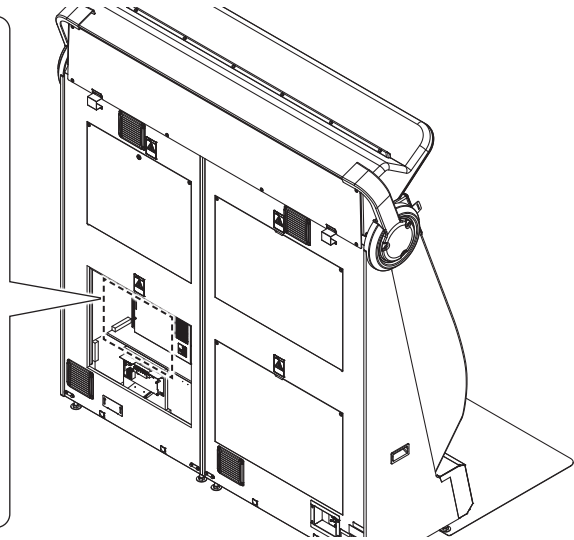
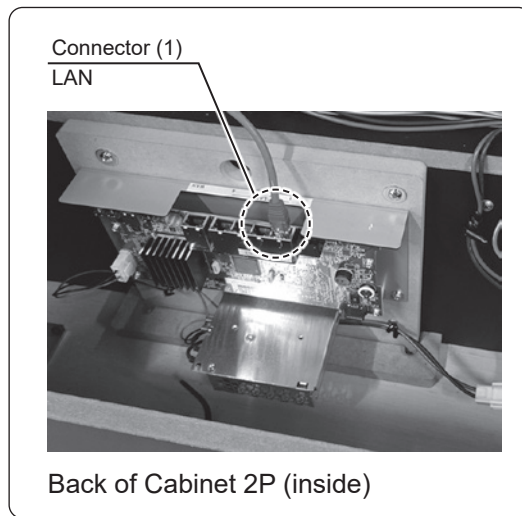
1

Connect the LAN cable 1 m from the Router kit to ALLS HX2.1.



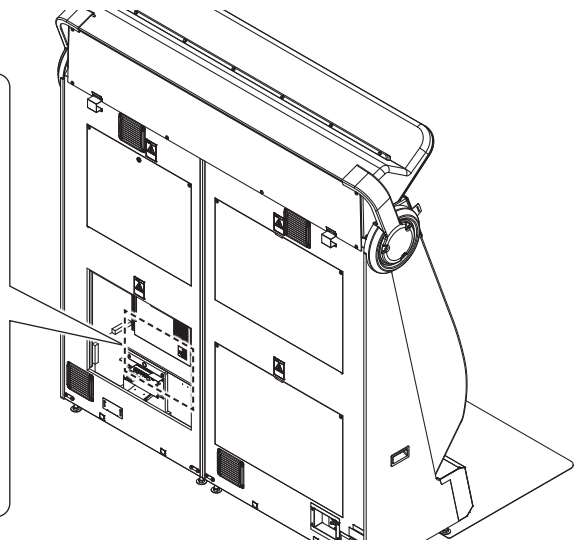
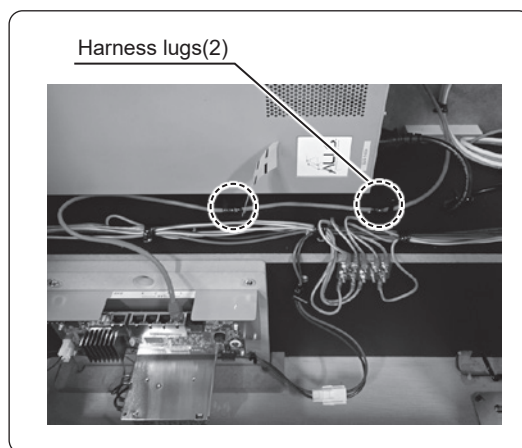
ALLS HX2.1

- 2 Connect the connector on the other side of the LAN cable 1 m connected in Step 1 to an available LAN port (excluding WAN port) on the router unit.

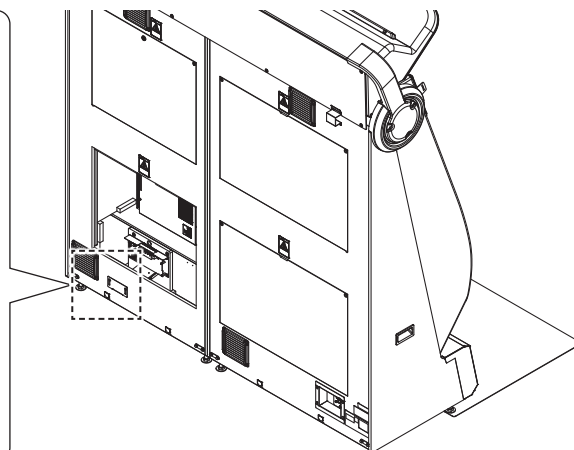
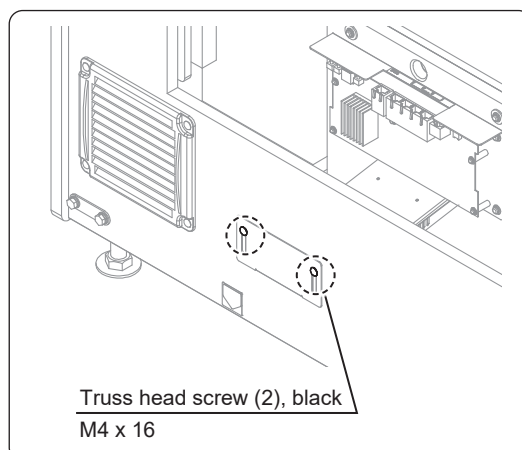


6

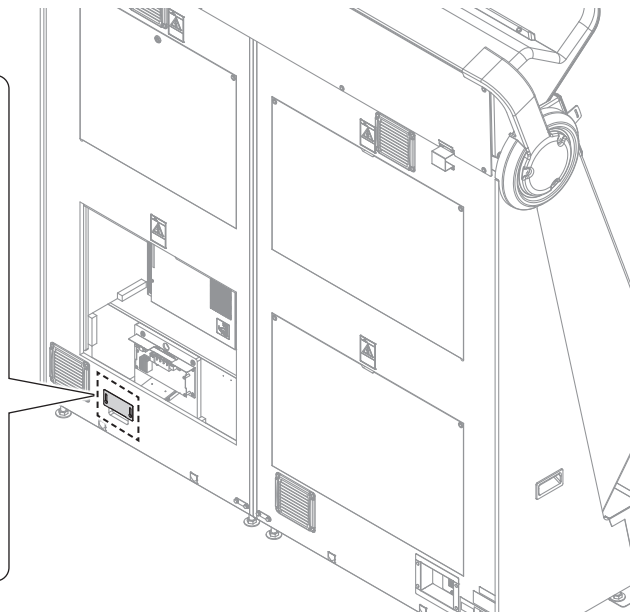
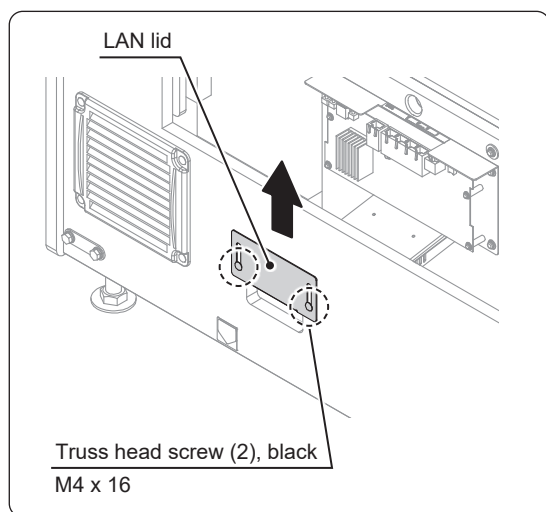
- 3 Secure the LAN cable 1 m with two harness lugs.



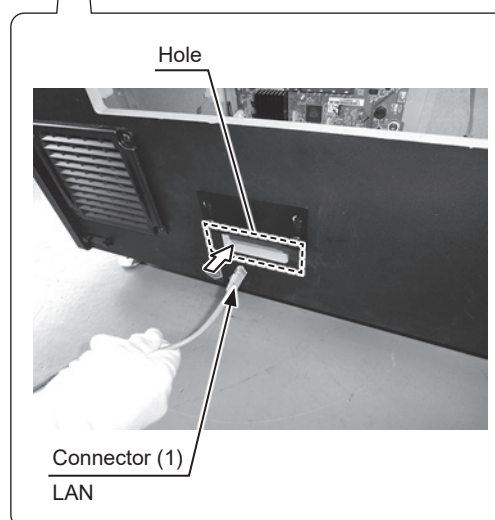
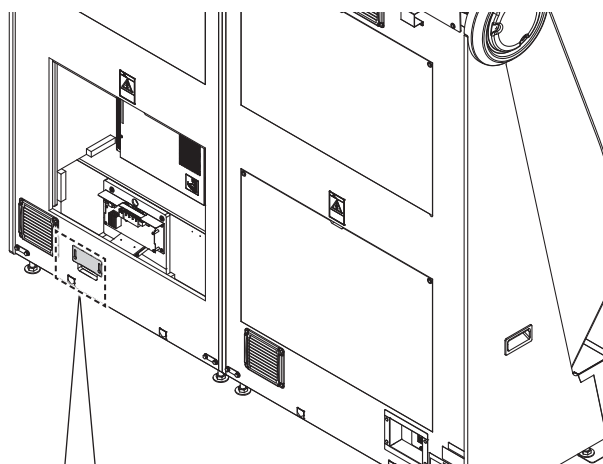
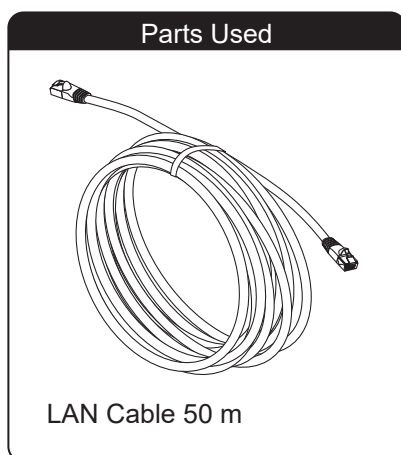
- 4 Loosen two truss head screws.



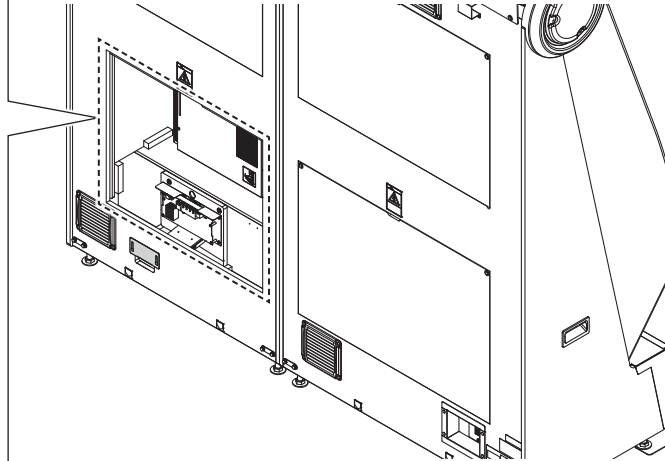
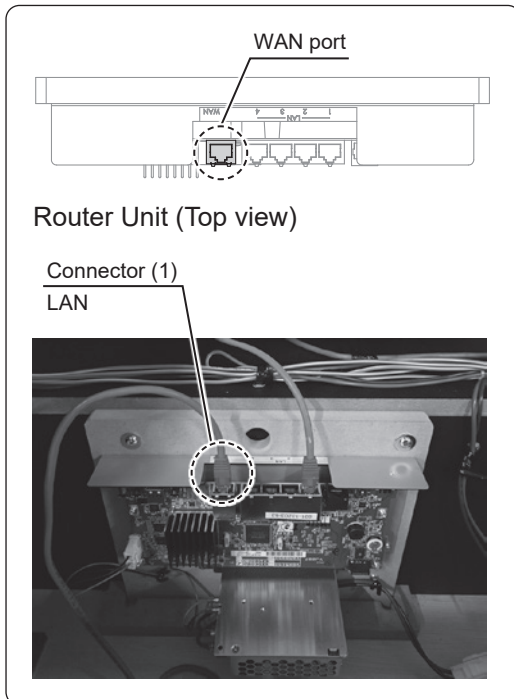
- 5 Slide the LAN lid upwards and then fully tighten the two truss head screws that were loosened in Step 4.



- 6 Pass the LAN cable 50 m from the Router kit through the hole.

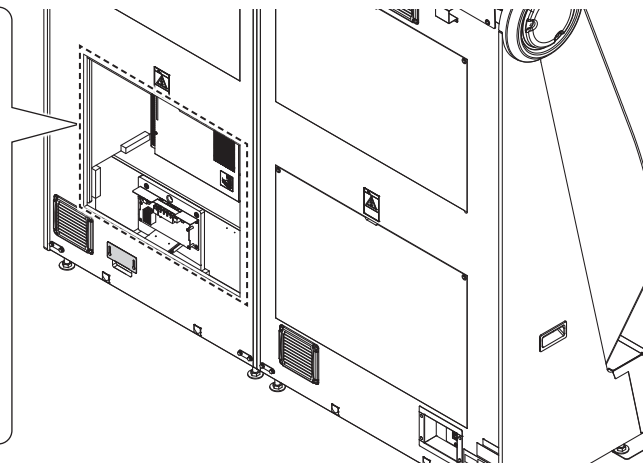
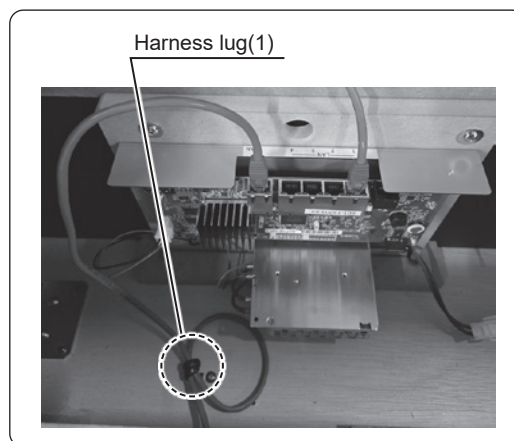


- 7 Connect the connector of the LAN cable 50 m passed through in Step 6 to the WAN port of the Router unit.



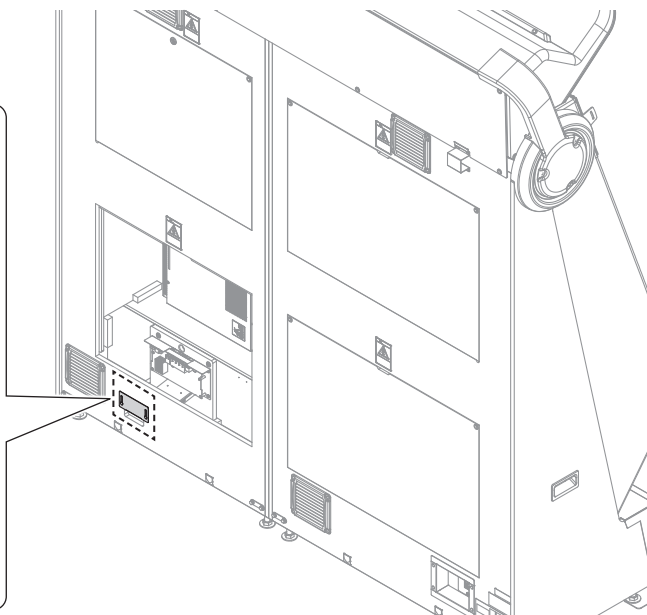
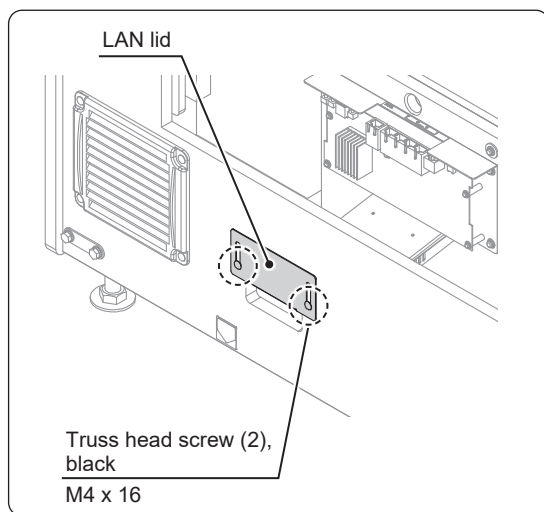
6

- 8 Make an about 10 cm diameter ring with the LAN cable 50 m and then secure it with a harness lug.

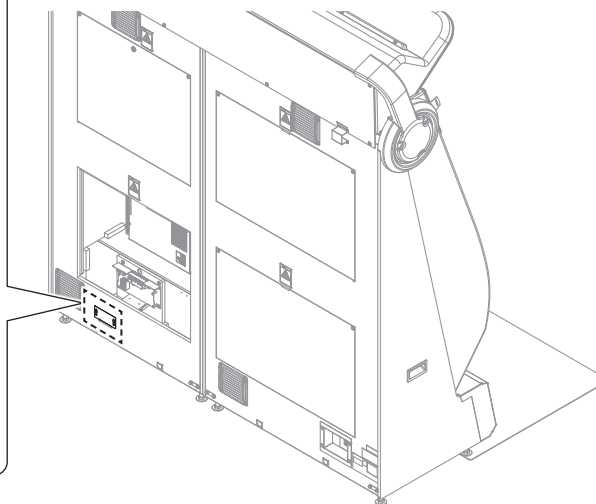
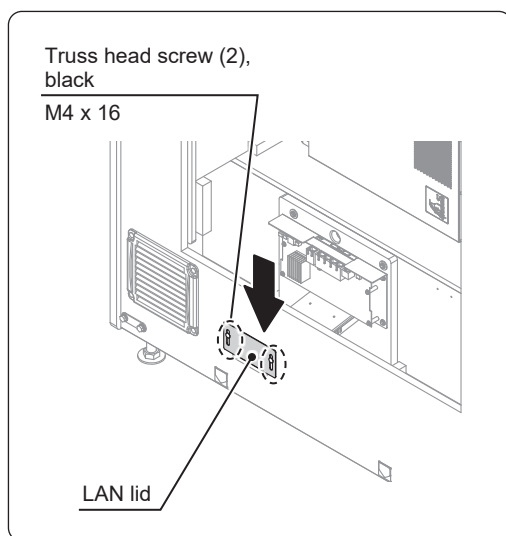


- 9 Connect the opposite end of the connector that is connected to the WAN port of the Router unit to the external network (ALL.Net).

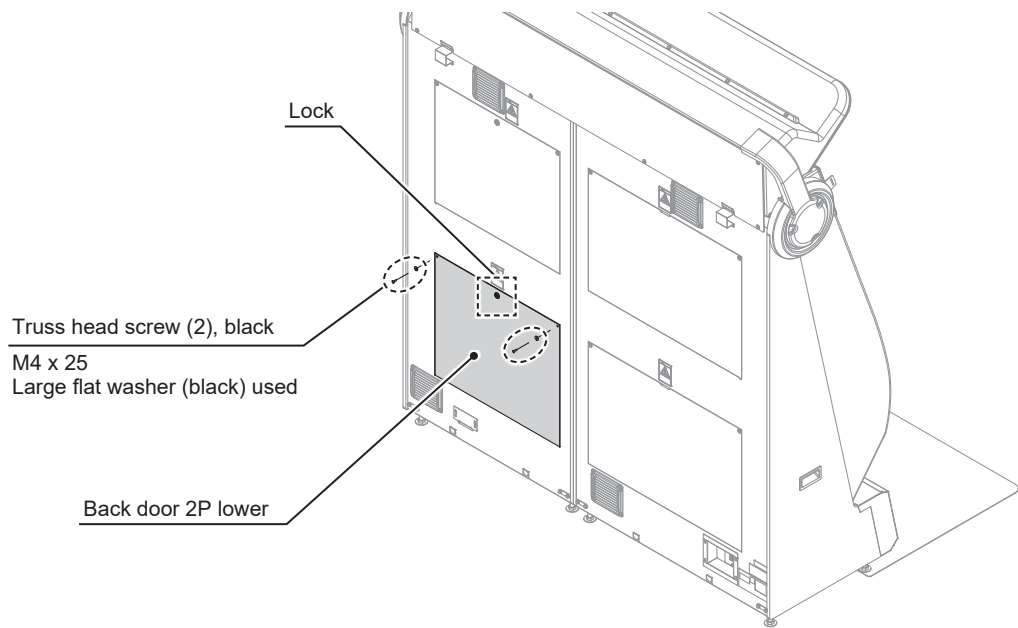
10

 Loosen two truss head screws.

11

 Close the LAN lid so that it is not in contact with the LAN cable 50 m.

12 Close the Back door 2P lower. Lock it with the master key and secure with two truss head screws.

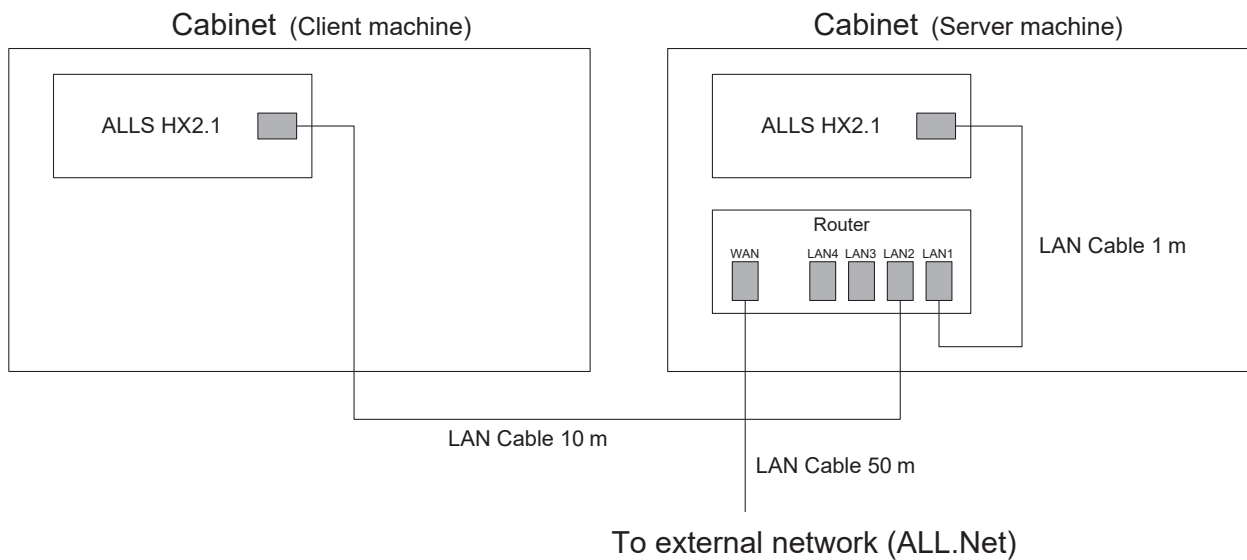


6

6-3-2 Two Cabinet Operation

The explanation in this chapter is based on operating with one server machine and one client machine.

Note: Always connect just one client machine to one server machine, do not connect two or more client machines.



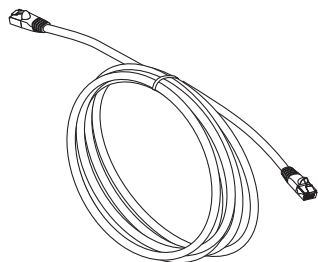
Network Block Chart

6-3-2-A Server Machine

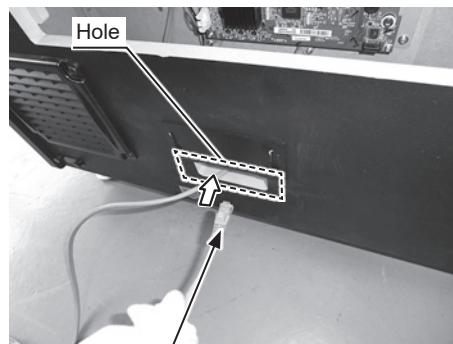
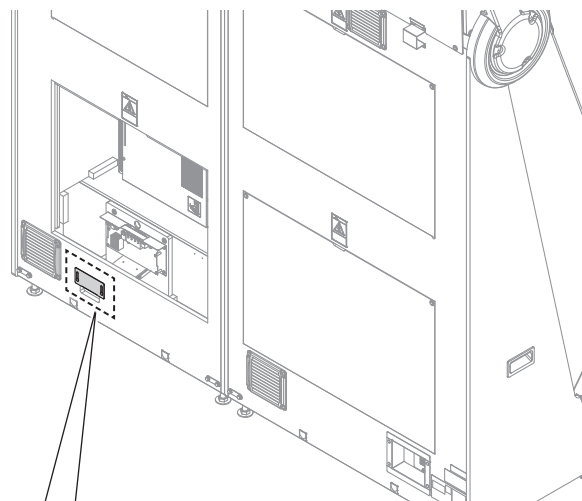
1 Refer to Steps from 1 to 9 in "6-3-1" and work in the same order on the server machine.

2 Pass the connector of the LAN cable 10 m supplied with the cabinet through the hole of the cabinet that the Router unit is attached.

Parts Used



LAN Cable 10 m

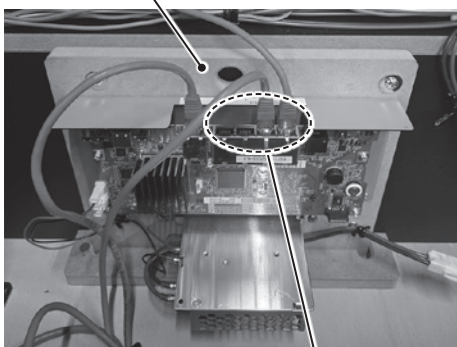


Hole

Connector (1)
LAN

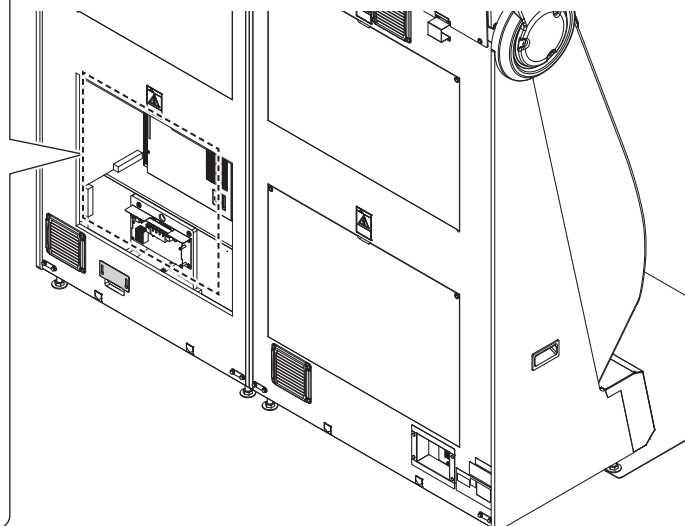
3 Connect the connector of the LAN cable 10 m passed through in Step 2 to an open LAN port on the Router unit.

Router unit



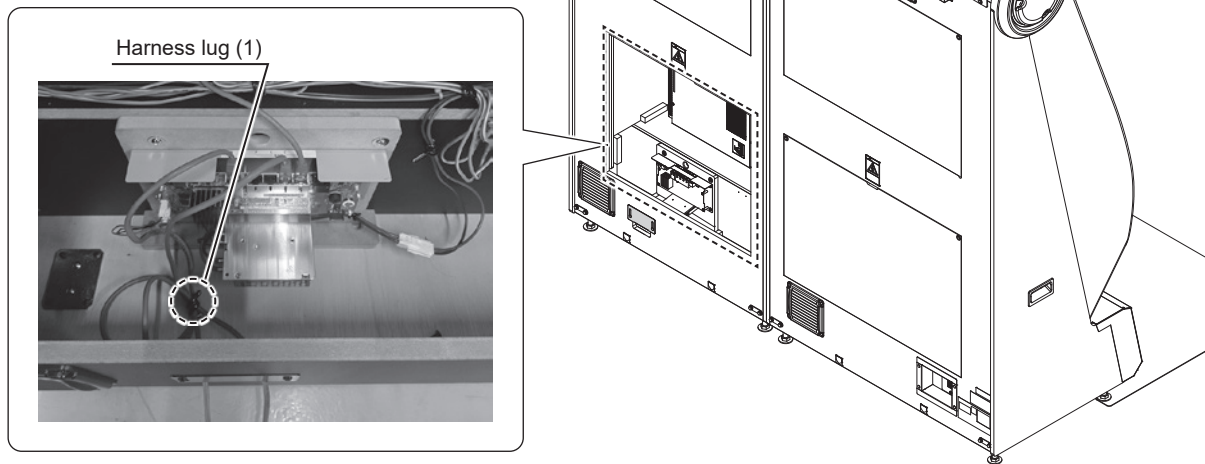
Connector (1)

LAN
(Connect it to an open LAN port.)



4 Secure the LAN cable 50 m and the LAN cable 10 m with a harness lug. When doing this, be careful with the following;

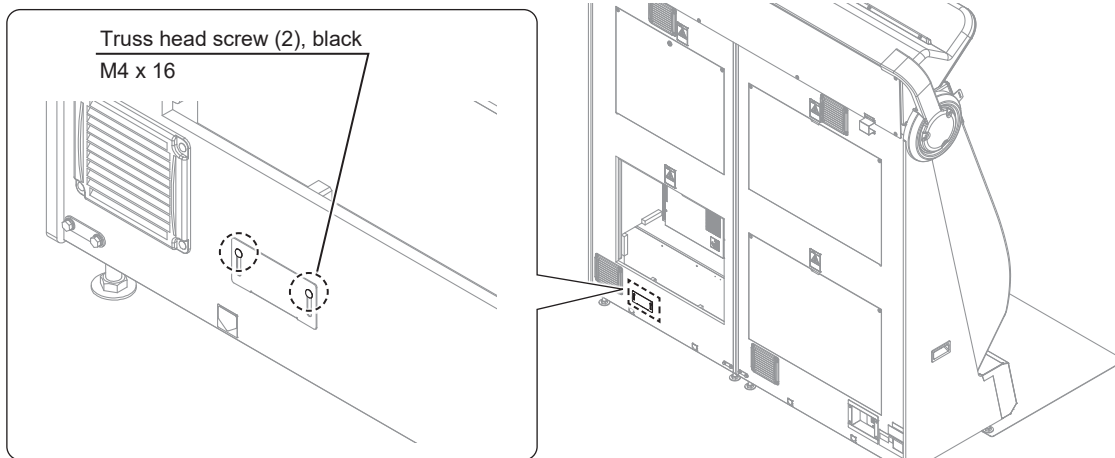
- Make an about 10 cm diameter ring with the LAN cables and then secure them with a harness lug.
- Put the excess LAN cables outside the cabinet.



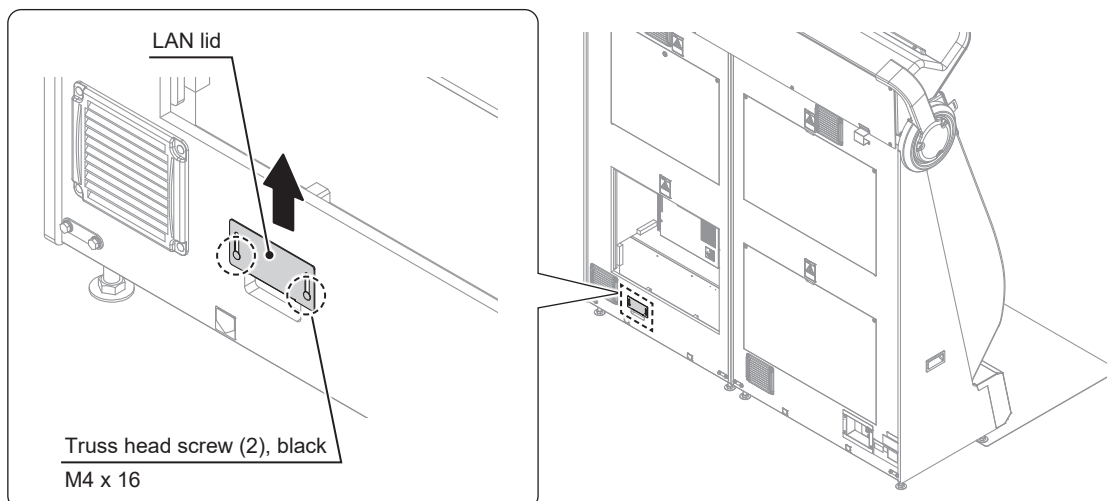
5 Refer to Steps from 10 to 12 in "6-3-1" and work in the same order.

6-3-2-B Client Machine

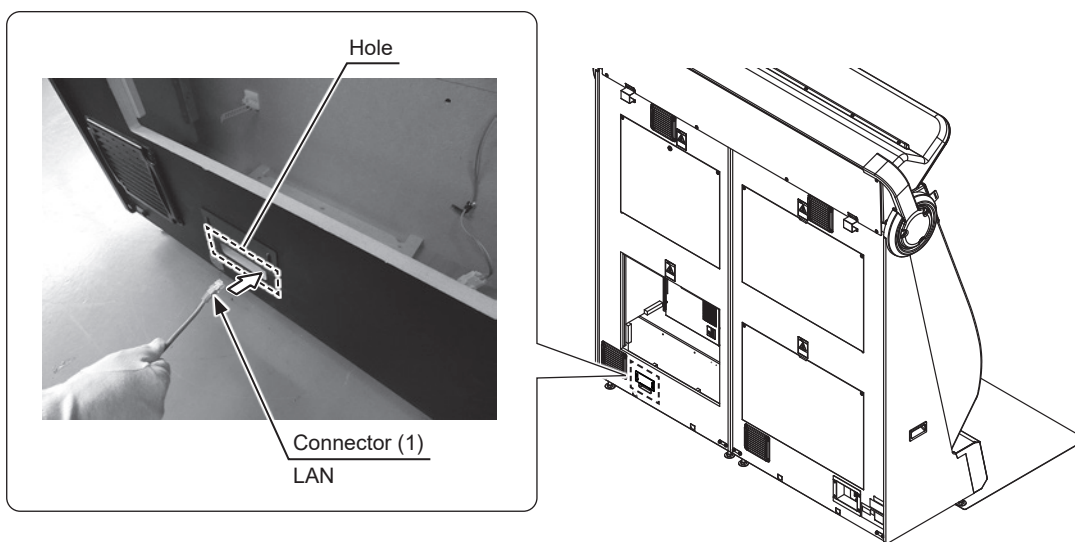
- 1 Loosen the two truss head screws on the client machine.



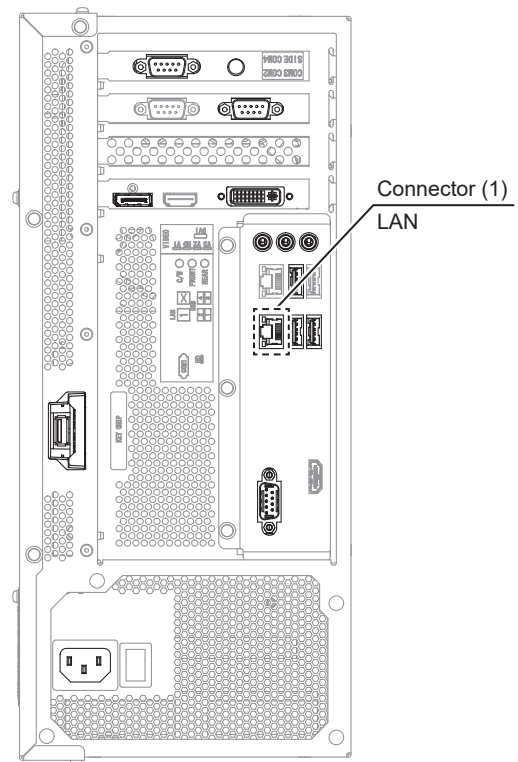
- 2 Slide the LAN lid upwards and then fully tighten the two truss head screws that were loosened in Step 1.



- 3 Pass the connector on the other side of the LAN cable 10 m connected to the server machine in Step 3 in "6-3-2-A" through the hole of the client machine.

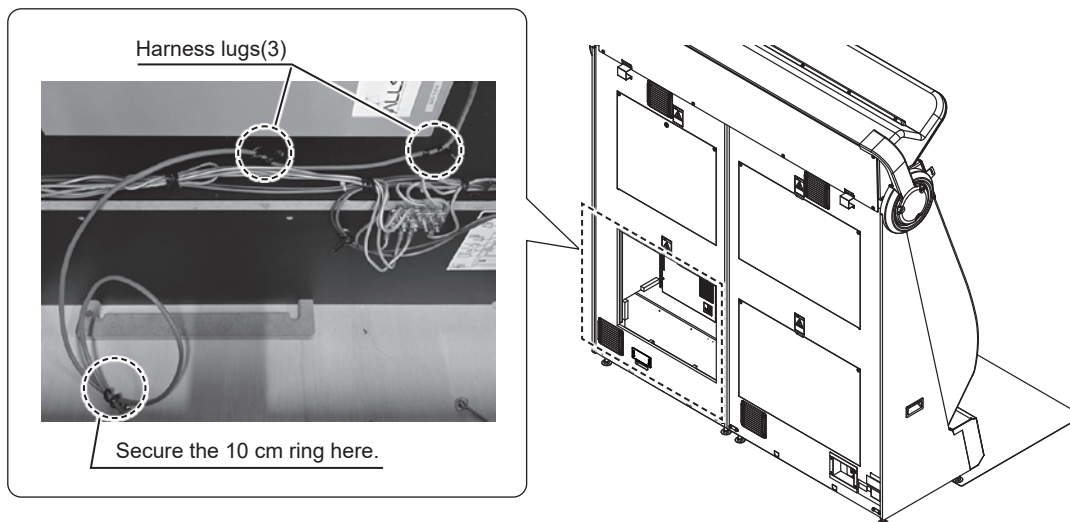


-
- 4 Connect the connector of the LAN cable 10 m passed through the hole in Step 3 to the ALLS HX2.1.



ALLS HX2.1

-
- 5 Make an about 10 cm diameter ring with the LAN cable 10 m and then secure it with three harness lugs.



-
- 6 Refer to Steps from 10 to 12 in "6-3-1" and work in the same order.

6-4 CONNECTING THE POWER CABLE AND EARTH

WARNING / AVERTISSEMENT

- 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 breaker. Use of power supply without such a 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 are exposed, customers could stumble over them, for instance, and easily damage them. Additionally, if these lines are damaged, there could be a risk of electrical shock or short circuit. Set these lines at locations 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.
-
- Vérifiez s'il y a des coupures ou des entailles dans le câble d'alimentation. Les câbles d'alimentation endommagés peuvent causer un choc électrique, un court-circuit ou un incendie.
 - Assurez-vous d'utiliser une source d'alimentation indépendante équipée d'un disjoncteur de fuite de terre. L'utilisation d'une source d'énergie sans un tel disjoncteur pourrait provoquer un incendie s'il y a une fuite de courant.
 - Disposer d'un terminal en terre ferme à l'intérieur. Ce produit est équipé d'un terminal terrestre. Connectez-le à un terminal terrestre dans la pièce avec le câble terrestre. Sans mise à la terre adéquate, les clients pourraient être électrocutés et les opérations des produits ne seraient pas toujours stables.
 - N'exposez pas le câble d'alimentation ou le câble terrestre. Si elles sont exposées, les clients pourraient trébucher dessus, par exemple, et facilement les endommager. De plus, si ces lignes sont endommagées, il pourrait y avoir un risque de choc électrique ou de court-circuit. Réglez ces lignes à des endroits où elles n'interféreront pas avec le trafic des clients, ou fixez-leur des couvertures.
 - Lorsque vous utilisez la vis de mise à la terre et le terminal terrestre de l'unité de climatisation, n'effectuez pas la mise à la terre pendant que le câble terrestre est exposé. Cela peut provoquer un choc électrique, un court-circuit ou un incendie. Assurez-vous d'étaler l'armoire à l'aide d'un terminal M4 dont la cote est égale ou supérieure à 15 A.

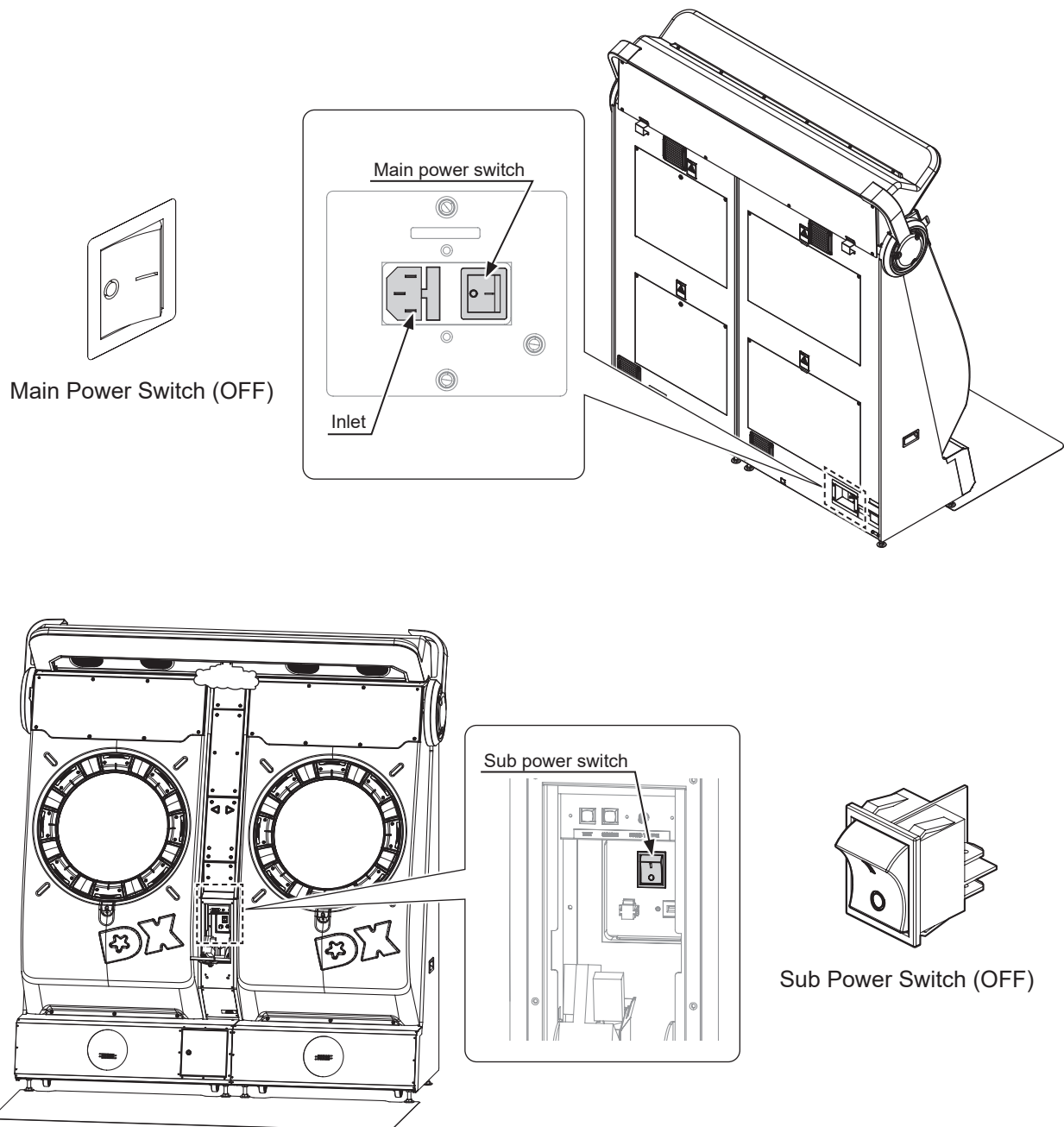
The AC unit has power switch, circuit protector, earth terminal and the inlet which connects the power cable.

1

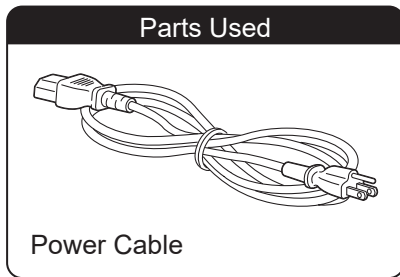
Check that the power switch is turned OFF.

The main power switch is in the AC unit and the sub power switch is inside the selector door.

Note: When the main power switch is ON and the sub power switch is OFF, the power to the router is still supplied.



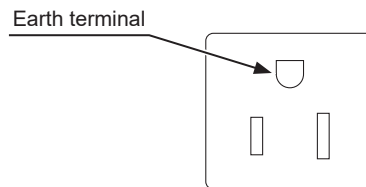
- 2** Firmly insert the power cable connector to the inlet on the AC unit and the plug to the outlet.



6

When Connecting to a Power Outlet Equipped with an Earth Terminal

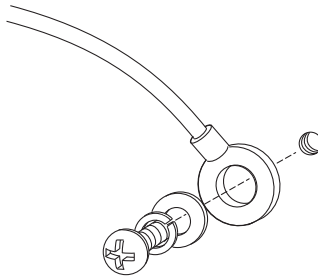
The included power cable has a built-in earth cable. Connect the power cable to the AC unit, and connect the plug of the power cable into "a power outlet equipped with an earth terminal".



Example of a Power Outlet Equipped with an Earth Terminal

When Using a Separately Prepared Earth Cable

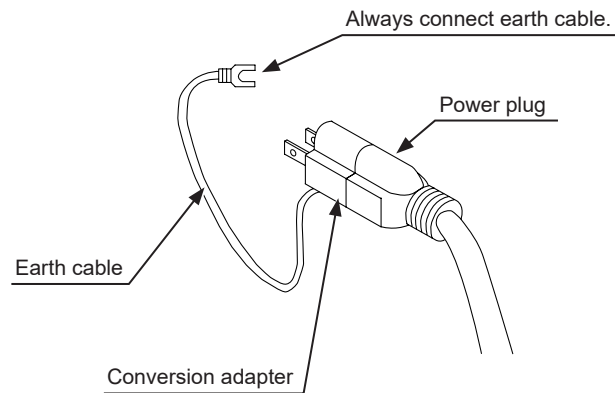
If a "power outlet equipped with an earth terminal" is not available, always connect the earth screw of the AC unit, the earth terminal, or a separately prepared grounding device with an earth cable to be securely grounded. Remove the earth screw of the AC unit, pass it through the round terminal of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



Connection of Earth Cable

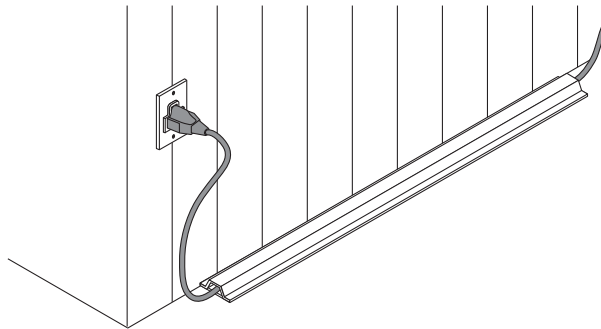
When Using a Conversion Adapter Sold on the Market

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.



6

- 3 The power cable is laid out indoors. Protect the power cable by attaching cable cover to it. If grounded using a separately prepared earth cable, ground and protect the indoor wiring at the same time.



6-5 SOFTWARE INSTALLATION

It is not necessary to perform the following procedure if the software has already been installed.

Proceed to "Chapter 7 SET UP."

In a two-cabinet operation, configure one cabinet as a server machine and the other as a client machine.
(See "6-5-2 Two cabinet operation".)

WARNING / AVERTISSEMENT

- The following explanation assumes that the product has been assembled properly as explained above. If there is an error or if the product operates in a manner other than as indicated below, cut off the power supply immediately. Failure to do so may result in a fire or electrical shock.
- L'explication suivante suppose que le produit a été assemblé correctement comme expliqué ci-dessus. S'il y a une erreur ou si le produit fonctionne autrement que comme indiqué ci-dessous, coupez-le.

IMPORTANT

- Do not start any other work until the installation work is complete.
- If a situation not described in this manual persists, contact the office listed in this manual.
- Do not turn the power OFF during system update as it may cause malfunction on the ALLS HX2.1.

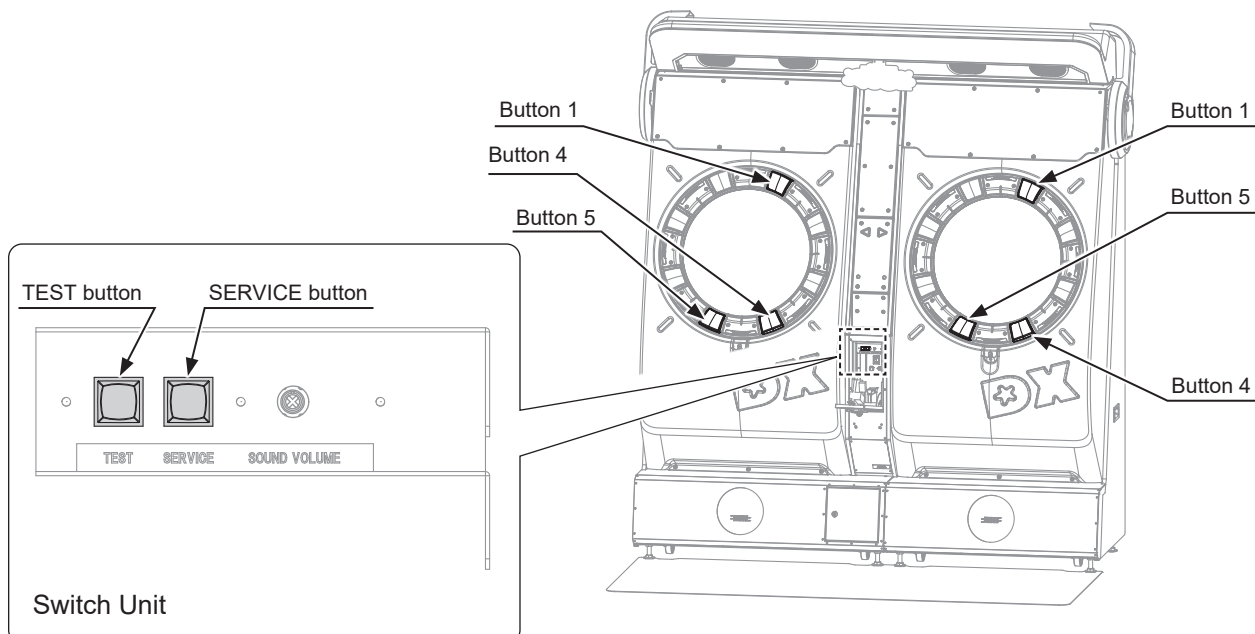
In TEST MODE operation, the TEST button and SERVICE button inside the selector door are used.

In addition, buttons 1, 4 and 5 can be used in the same way as the TEST button and SERVICE button only while in GAME TEST MODE.

Use the SERVICE button or buttons 1, 4 to select an item.

Press the TEST button or button 5 to confirm the selected item or change setting values.

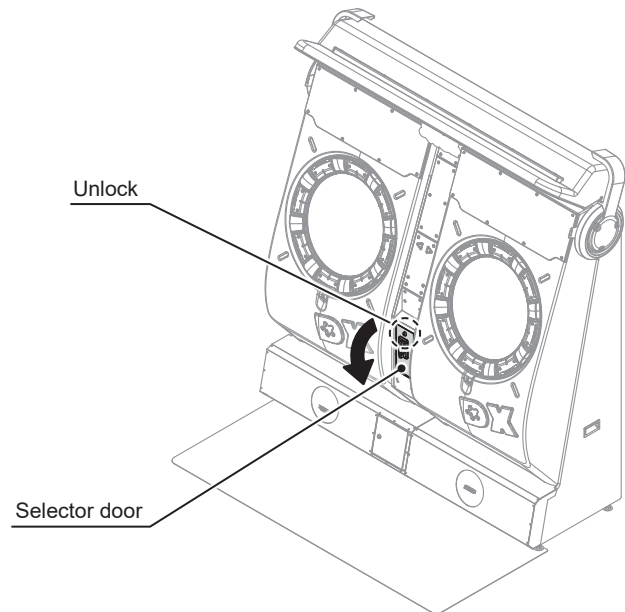
(See "Chapter 2 TEST MODE CONTROLS" in the Service manual.)



6-5-1 One Cabinet Operation

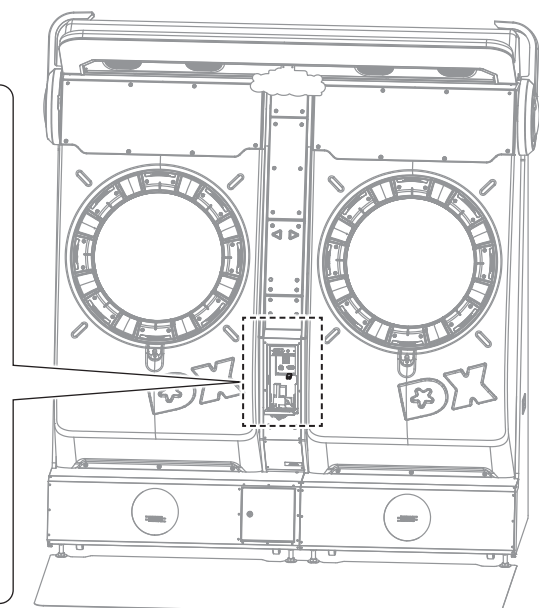
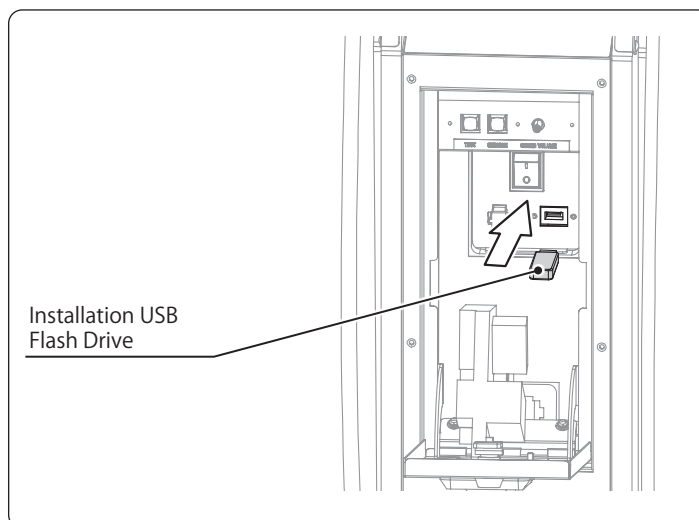
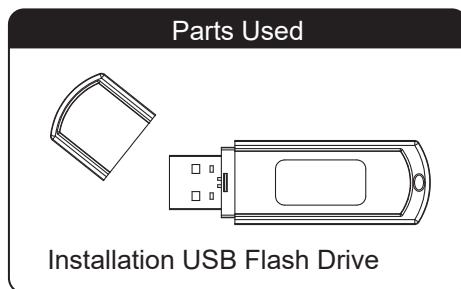
The work time (including software installation) will take approximately 95 minutes.
It may take more time if a system update is necessary (when installing or replacing the ALLS HX2.1).

- 1 Unlock the Selector door with the master key and then open it.



6

- 2 Connect the Installation USB Flash Drive from the software kit to the USB connector.

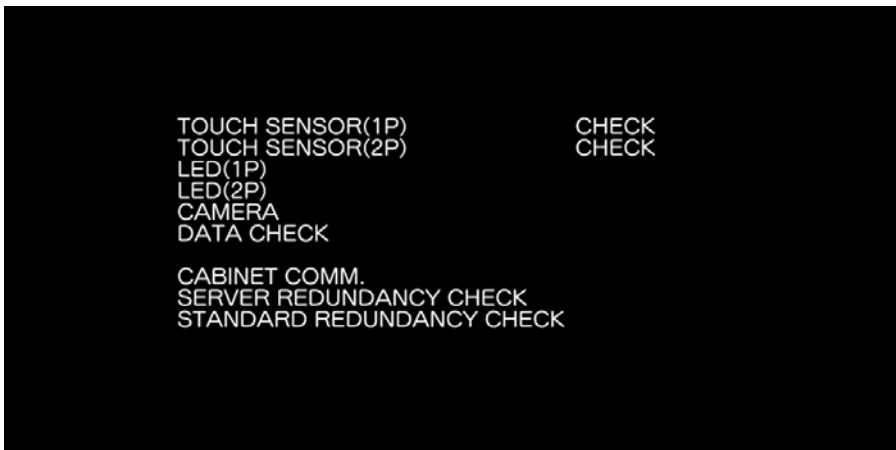


3 Turn the main and sub power switches ON.

4 The ALLS HX2.1 startup image appears on the LCD screen.

5 Software installs automatically and "Installing the game programs. / * ** ** %.." will be displayed. Do not turn the cabinet OFF during the software installation.
[Time required : Approximately 90 minutes]

6 After software installation is complete, the Device check screen is displayed.



DEVICE CHECK screen

7 When the Device check screen is displayed, press the TEST button to display the GAME TEST MODE screen. (See "Chapter 3 GAME TEST MODE" in the Service manual.)

8 Press the SERVICE button to select "GAME ASSIGNMENTS", and then press the TEST button to display the GAME ASSIGNMENTS screen. (See "3-7 GAME ASSIGNMENTS" in the Service manual.)

9 Press the SERVICE button to select "CABINET-TO-CABINET PLAY", and then press the TEST button to set it to "OFF". (See "3-7 GAME ASSIGNMENTS" in the Service manual.)

10 Press the SERVICE button to select "EXIT", and then press the TEST button to return to the GAME TEST MODE screen.

11 Press the SERVICE button to select "SYSTEM TEST", and then press the TEST button to display the MOVE TO SYSTEM TEST screen. (See "3-15 SYSTEM TEST" in the Service manual.)

12 Press the SERVICE button to select "YES(SYSTEM TEST MODE)", and then press the TEST button to display the SYSTEM TEST MODE screen. (See "Chapter 3 SYSTEM TEST MODE" in the ALLS HX2.1 Service manual.)

13 Press the SERVICE button to select "SYSTEM CONFIGURATION", and then press the TEST button to display the SYSTEM CONFIGURATION screen. (See "4-2 SYSTEM CONFIGURATION" in the Service manual.)

14 Press the SERVICE button to select "SERVER SETTING", and then press the TEST button to set a "SERVER". (See "4-2 SYSTEM CONFIGURATION" in the Service manual.)

15 Press the SERVICE button to select "EXIT", and then press the TEST button to return to the SYSTEM TEST MENU screen.

16 Press the SERVICE button to select "EXIT" and an error message is displayed.

17 When "Error 0917 : USB Memory remains connected." is displayed, turn the sub power switch OFF, and then disconnect the Installation USB Flash Drive from the USB connector.

STOP IMPORTANT

- Do not leave the Installation USB Flash Drive connected, make sure to remove and store it in a safe place.
- If the Installation USB Flash Drive remains connected, an error message is displayed and game cannot be played.

18 Turn the sub power switch ON to display the Advertise (waiting for customers) screen.

6-5-2 Two Cabinet Operation

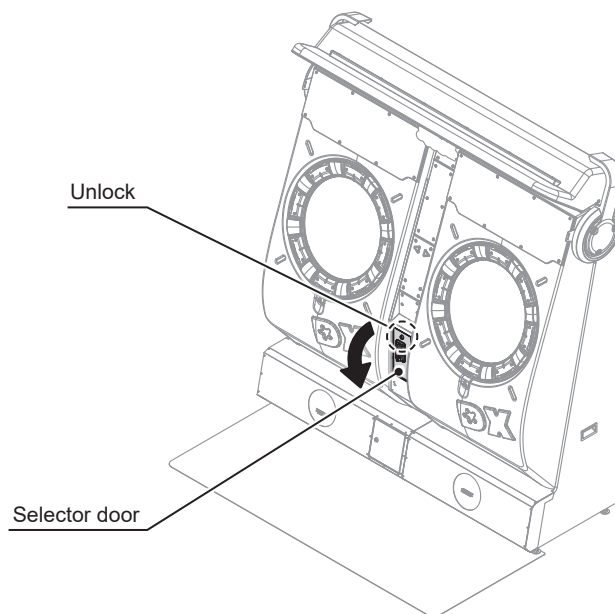
The work time (including software installation) varies depending on the number of cabinets. It will take approximately 180 minutes for two cabinets (one cabinet each server and client machine).

It may take more time if a system update is necessary (when installing or replacing the ALLS HX2.1).

6-5-2-A Server Machine

1

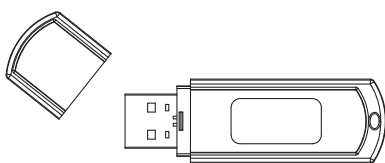
Unlock the Selector door with the master key and then open it.



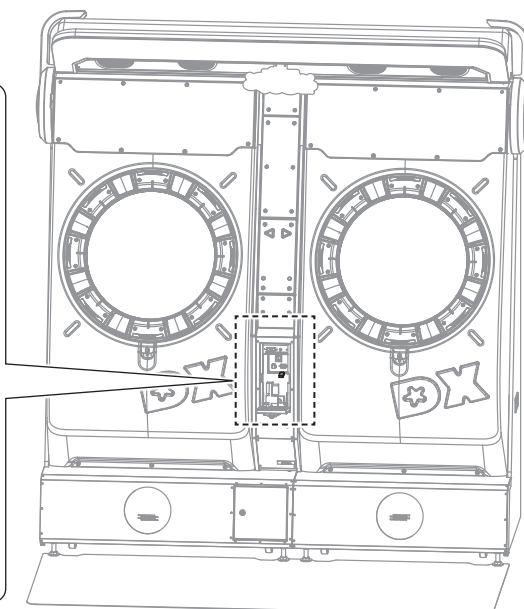
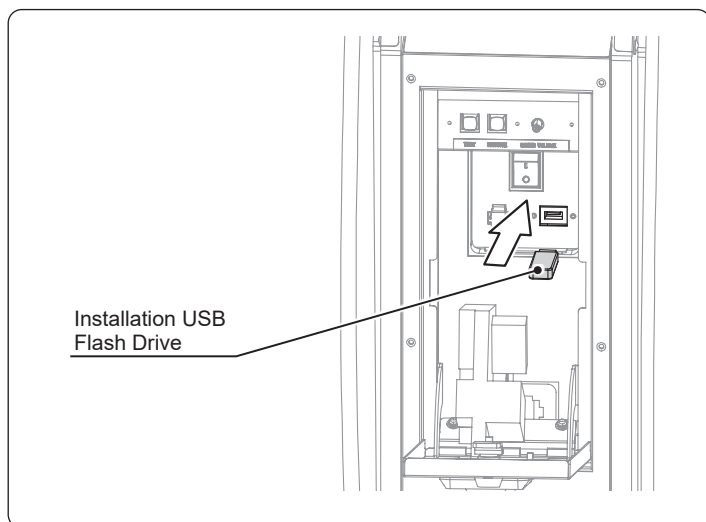
2

Connect the Installation USB Flash Drive to the USB connector.

Parts Used



Installation USB Flash Drive

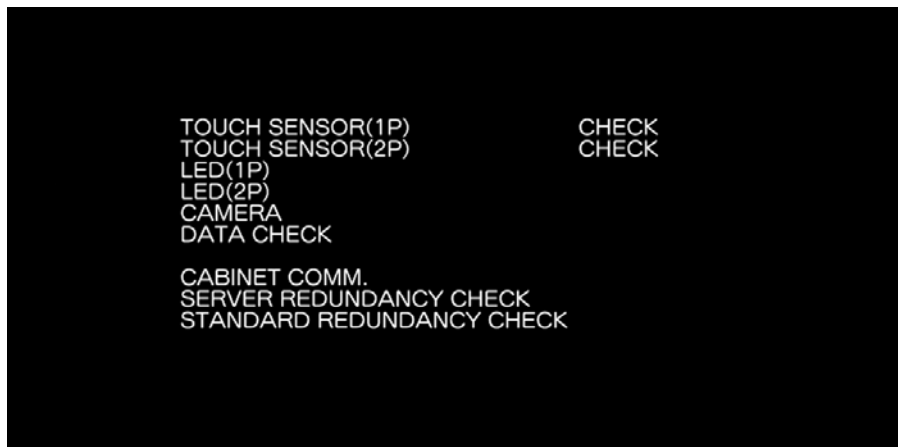


-
- 3 Turn the main and sub power switches ON.

 - 4 The ALLS HX2.1 startup image appears on the LCD screen.

 - 5 Software installs automatically and "Installing the game programs. / * * * * %.." will be displayed. Do not turn the cabinet OFF during the software installation.
[Time required : Approximately 90 minutes]

 - 6 After software installation is complete, the Device check screen is displayed.



DEVICE CHECK screen

-
- 7 When the Device check screen is displayed, press the TEST button to display the GAME TEST MODE screen. (See "Chapter 3 GAME TEST MODE" in the Service manual.)

 - 8 Press the SERVICE button to select "GAME ASSIGNMENTS", and then press the TEST button to display the GAME ASSIGNMENTS screen. (See "3-7 GAME ASSIGNMENTS" in the Service manual.)

 - 9 Press the SERVICE button to select "CABINET-TO-CABINET PLAY", and then press the TEST button to set it to "ON". (See "3-7 GAME ASSIGNMENTS" in the Service manual.)

 - 10 Press the SERVICE button to select "SET STANDARD IN GROUP", and then press the TEST button to set a "STANDARD". (See "3-7 GAME ASSIGNMENTS" in the Service manual.)

 - 11 Press the SERVICE button to select "EXIT", and then press the TEST button to return to the GAME TEST MODE screen.

 - 12 Press the SERVICE button to select "SYSTEM TEST", and then press the TEST button to display the MOVE TO SYSTEM TEST screen. (See "3-15 SYSTEM TEST" in the Service manual.)

13 Press the SERVICE button to select "YES", and then press the TEST button to display the SYSTEM TEST MODE screen. (See "Chapter 3 SYSTEM TEST MODE" in the ALLS HX2.1 Service manual.)

14 Press the SERVICE button to select "SYSTEM CONFIGURATION" and then press the TEST button to display the SYSTEM CONFIGURATION screen. (See "4-2 SYSTEM CONFIGURATION" in the Service manual.)

15 Press the SERVICE button to select "SERVER SETTING", and then press the TEST button to set it to "SERVER". (See "4-2 SYSTEM CONFIGURATION" in the Service manual.)

16 Press the SERVICE button to select "EXIT", and then press the TEST button to return to the SYSTEM TEST MENU screen.

17 Press the SERVICE button to select "EXIT" and an error message is displayed.

18 When "Error 0917 : USB Memory remains connected." is displayed, turn the sub power switch OFF, and then disconnect the Installation USB Flash Drive from the USB connector.



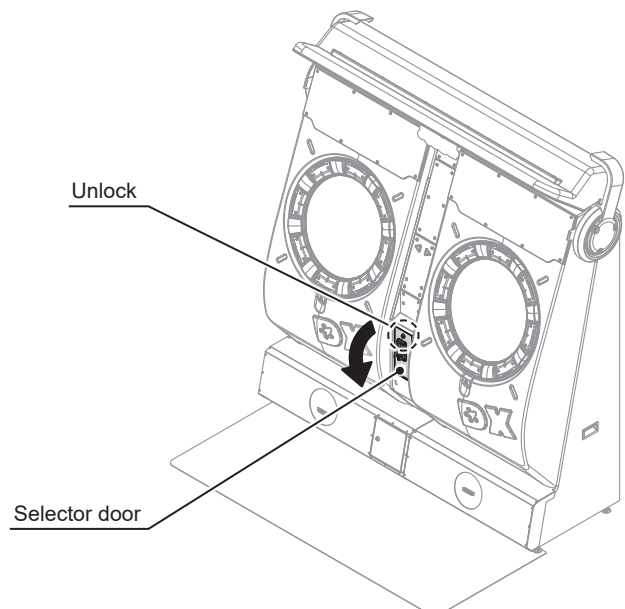
IMPORTANT

- Do not leave the Installation USB Flash Drive connected, make sure to remove and store it in a safe place.
- If the Installation USB Flash Drive remains connected, an error message is displayed and game cannot be played.

19 Turn the sub power switch ON to display the Advertise (waiting for customers) screen.

6-5-2-B Client Machine

1 Unlock the Selector door with the master key and then open it.



-
- 2 Turn the main and sub power switches ON.

 - 3 When ALLS logo image appears, press the TEST button to display the SYSTEM TEST MODE screen. (See "Chapter 3 SYSTEM TEST MODE" in the ALLS HX2.1 Service manual.)

 - 4 When all the menu items are displayed in white, press the SERVICE button to select "SYSTEM CONFIGURATION", and then press the TEST button to display the SYSTEM CONFIGURATION screen. (See "4-2 SYSTEM CONFIGURATION" in the Service manual.)

 - 5 Press the SERVICE button to select "SERVER SETTING", and then press the TEST button to set a "CLIENT". (See "4-2 SYSTEM CONFIGURATION" in the Service manual.)

 - 6 Press the SERVICE button to select "EXIT", and then press the TEST button to return to the SYSTEM TEST MODE screen.

 - 7 Press the SERVICE button to select "EXIT", and then press the TEST button.

 - 8 When ALLS logo image appears, software installs automatically from the server machine to client machine.
[Time required : Approximately 90 minutes]

 - 9 When software installation or system update is complete, the Advertise screen is displayed.

 - 10 Press the TEST button to display the GAME TEST MODE screen. (See "Chapter 3 GAME TEST MODE" in the Service manual.)

 - 11 Press the SERVICE button to select "GAME ASSIGNMENTS", and then press the TEST button to display the GAME ASSIGNMENTS screen. (See "3-7 GAME ASSIGNMENTS" in the Service manual.)

 - 12 Press the SERVICE button to select "CABINET-TO-CABINET PLAY", and then press the TEST button to set it to "ON". (See "3-7 GAME ASSIGNMENTS" in the Service manual.)

 - 13 Press the SERVICE button to select "SET STANDARD IN GROUP", and then press the TEST button to set it to "FOLLOW THE STANDARD". (See "3-7 GAME ASSIGNMENTS" in the Service manual.)

 - 14 Press the SERVICE button to select "EXIT", and then press the TEST button to return to the GAME TEST MODE screen.

 - 15 Press the SERVICE button to select "EXIT", and then press the TEST button to return to the Advertise (waiting for customers) screen.

7 SETUP

"Setup" refers to work that is performed to make operation possible.

7-1 SET UP AFTER INSTALLATION

7-1-1 Turning on the Power



IMPORTANT

The router remains on-line when only the sub power switch is turned off.

Turn the power switch ON for the server machine before the client machine. Turning the power ON in any other order may cause the in-store network to not operate correctly.

After turning the power ON, "step ... (applicable numbers)" is displayed and the initialization process begins. After that, the ALLS logo is displayed, device and network tests are performed, and then the Advertise screen (customer waiting) is displayed.

The closing process is executed at the same time as the startup. If the closing process has not finished before the Advertise screen is displayed, "Processing network. Please wait." is displayed. The closing process finishes in about 3 minutes after turning the power ON normally, and gameplay becomes possible.

The time it takes for the closing process to finish varies depending on the conditions of the network. The game cannot be played until the closing process is finished. Do not insert coins, etc.

If an error screen is displayed, refer to "Chapter 5 ERROR DISPLAY" in the Service Manual and take corrective action.

Reboot Method

If a cabinet fails verification with an external network (ALL.Net), or if individual rebooting is necessary, reboot that cabinet. When doing this, turn the power OFF and wait 10 seconds before turning it ON again.

Verification with ALL.Net is performed on each cabinet individually. The results are displayed via "network icons". A slash through the icon indicates an abnormality.

7-1-2 Software Settings

Refer to the chart below, set or adjust each item when necessary.

Setting Items

Items	Tasks / Reference	Work Store
Store closing setting	Configure the Store closing setting according to the operating environment. (See "1-8 STORE CLOSING PROCEDURES", "3-10 CLOSE SETTING" in the SM.) ※In North America, it is recommended to set it to "ALL TIME".	Store dependent
Game setting	Configure the Game setting according to the operating environment. (See "3-7 GAME ASSIGNMENTS" in the SM.)	Store dependent
Coin setting	Change the setting according to the operating environment. (See "Chapter 4 SYSTEM TEST MODE" in the SM.)	Store dependent

Note: "SM" refers to the Service Manual.

7-1-3 Operation Check

Refer to the chart below, perform operation check when necessary.

Items of Operation Check

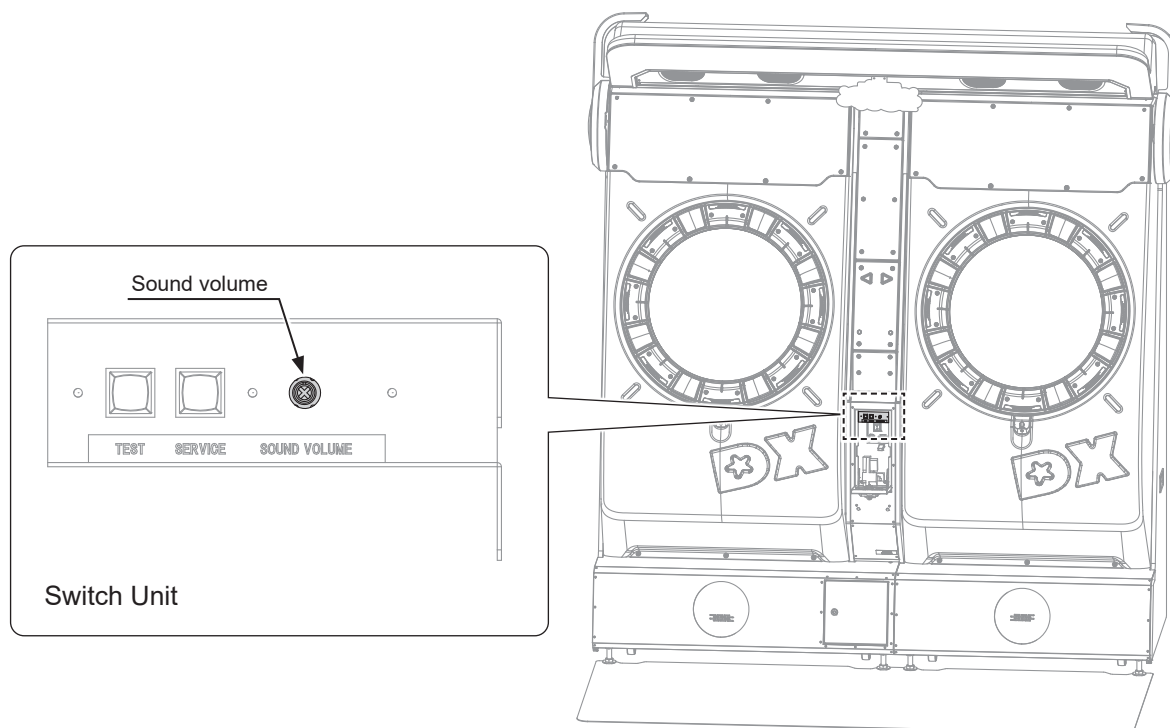
Items	Items to Check / Reference
INPUT TEST	Confirm that each input device is working properly. (See "3-2 INPUT TEST" in the SM.)
OUTPUT TEST	Confirm that each output device is working properly. When testing LED, check if each corresponding LED is working with correct colors as well. (See "3-3 OUTPUT TEST" in the SM.)
TOUCH SENSOR TEST	Confirm that the touch sensor is working properly. (See "3-5 TOUCH SENSOR TEST" in the SM.)
Aime CARD READER TEST	Confirm that the touch-type card reader is working properly. (See "3-9 Aime CARD READER TEST" in the SM.)
NETWORK TEST	Confirm that the network is connected properly. (See "3-11 NETWORK TEST" in the SM.)
SPEAKER TEST	Confirm that each sound device emits the sound properly. (See "4-1 SPEAKER TEST" in the SM.)

Note: "SM" refers to the Service Manual.

7-1-4 Volume Adjustment

Use the knob in the switch unit to adjust the sound volume.

Also, perform the Headphone volume adjustment on the Play preparation screen (available when the Headphone volume item is selected.) displayed before gameplay. (See "1-4-9 Play preparation" in the Service manual.)



7-2 DAILY SETUP

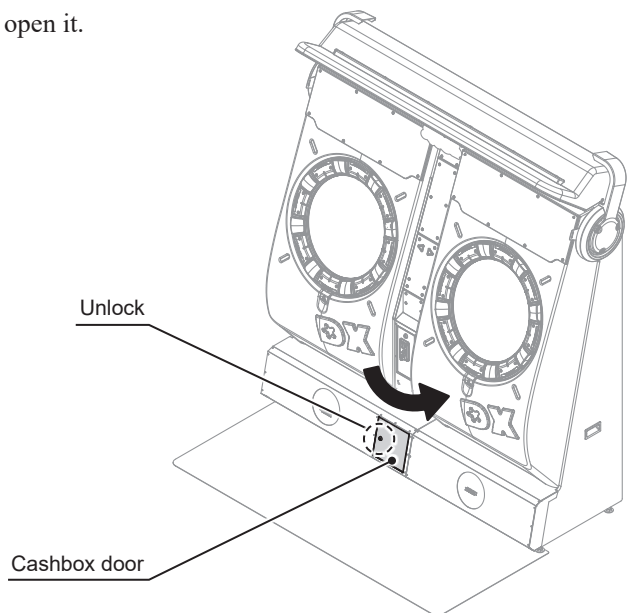
Collecting Coins From Cashbox

STOP IMPORTANT

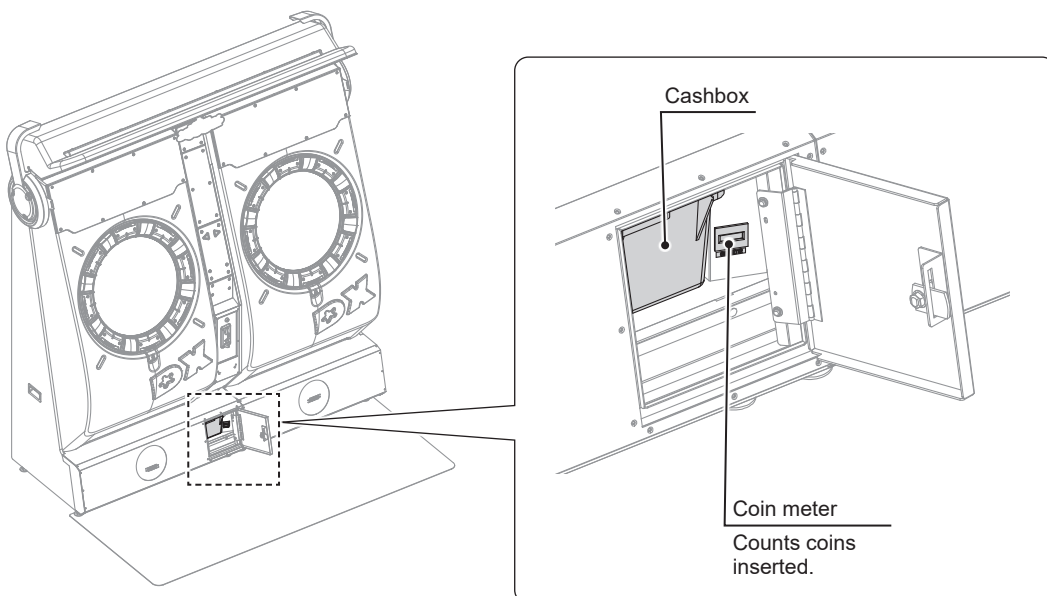
Removing the coin meter circuitry renders the game inoperable.

7

- 1 Unlock the Cashbox door with the key and then open it.



- 2 Pull out the Cashbox and collect coins.



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.
- 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.
- This product is made up of parts that are of large size and heavy weight. Unless work is entrusted to someone with expertise in packaging and transport of such parts, a serious accident might occur.
- Before starting work, be sure to turn the power off. Working without turning the power off can cause an electric shock, short circuit or fire.
- Never disassemble the unit in ways other than those described in this manual. Doing so can cause accidents such as electric shocks, short circuits or 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.
- To perform work safely and securely, be sure to prepare a stepstool which is in a secure and stable condition. Performing work without using the stepstool can cause violent falling down 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.

AVERTISSEMENT

- Tel qu'il est utilisé dans ces instructions, le terme « déménagement » désigne le déplacement du produit à l'intérieur d'un même bâtiment, d'un même magasin ou d'une même installation. Ces instructions ne couvrent pas les déplacements entre différents bâtiments, zones, magasins ou installations, car il s'agit non seulement d'emballages, mais aussi de chargement sur les véhicules de transport, et de sécurisation du produit en place pendant le transport. Pour transporter le produit dans un autre bâtiment ou magasin, communiquez avec le bureau mentionné dans le présent manuel ou avec le point d'achat de ce produit.
- Ce travail devrait être effectué par du personnel d'entretien des lieux ou par d'autres professionnels qualifiés. Le travail effectué par du personnel non technique peut causer un grave accident, comme un choc électrique.
- Ce produit est composé de pièces de grande taille et de poids lourds. À moins que le travail ne soit confié à une personne ayant une expertise dans l'emballage et le transport de ces pièces, un grave accident pourrait se produire.
- Avant de commencer le travail, assurez-vous d'éteindre le courant. Travailler sans couper le courant peut provoquer un choc électrique, un court-circuit ou un incendie.
- Ne jamais démonter l'unité autrement que par celles décrites dans le présent manuel. Cela peut causer des accidents tels que des chocs électriques, des courts-circuits ou des incendies.
- Lorsque vous déplacez la machine, assurez-vous de retirer la prise de l'alimentation et d'enlever tout câble externe (câble d'alimentation, etc.). Le déplacement de la machine à l'aide de câbles branchés pourrait endommager les câbles, ce qui pourrait à son tour causer un choc électrique ou un incendie.
- Lorsque vous déplacez la machine sur le plancher, rétractez les régulateurs et assurez-vous que les douilles entrent en contact avec le plancher. Faites attention à ce que les douilles ne passent pas par-dessus le câble d'alimentation et les autres câbles. Les câbles endommagés peuvent causer un choc électrique, un court-circuit ou un incendie.
- Lorsque vous tenez des objets lourds, faites particulièrement attention à l'endroit où l'objet est détenu. Dans la mesure du possible, tenez les objets par leurs poignées ou leurs surfaces inférieures. Si l'objet est maintenu par un élément de matière faible ou par une fixation qui n'est pas solide, il pourrait être endommagé par le poids de l'objet, ce qui entraînerait une chute ou une chute de l'objet et entraînerait des blessures corporelles ou des dommages.
- Ne placez pas les produits là où il y a des inclinaisons de surface ou des différences de niveau. Sinon l'unité pourrait tomber. Ces unités pourraient aussi se déplacer brusquement et causer des accidents.
- Afin d'effectuer un travail en toute sécurité, assurez-vous de préparer un tabouret dans un état stable et sûr. Le fait d'effectuer un travail sans utiliser le tabouret peut causer des accidents violents.
- Faites preuve de ATTENTION lorsqu'on utilise un tabouret pour effectuer le travail. Une chute ou un renversement pourrait entraîner un accident majeur. Et si le plafond est bas, tu pourrais te cogner la tête.

⚠ CAUTION / ATTENTION

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.

Lorsque vous déplacez l'armoire, ne tenez ni ne poussez d'autres pièces que celles désignées. Une manipulation négligente pourrait causer la rupture de ces pièces, et des morceaux cassés pourraient causer des blessures personnelles.

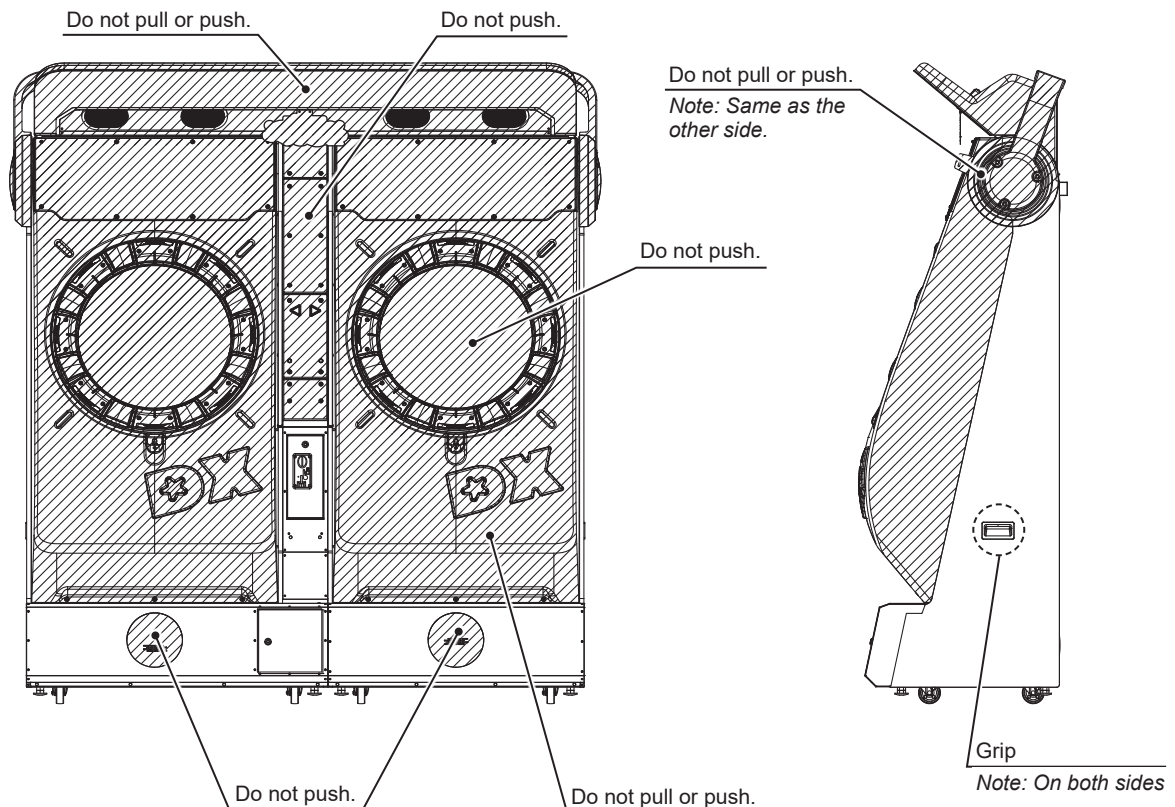
STOP

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 stack and/or lean parts against a wall or other surface indiscriminately, which have been separated or disassembled. The surface of the parts could be damaged or deformed. Significant deformations can result in improper operation and breakdowns.

When moving the product at where the width is limited, refer to "6-1" to "6-4" and work in reverse order to disassemble to cabinet.

Do not pull or push the shaded areas of the cabinet.



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.
- Clean the ALLS HX2.1 once a year. If the game board is used as-is with dust built up inside, it could result in malfunction, fire or other accidents.

 STOP

IMPORTANT

The parts, software, settings, etc. are different for each ALLS HX2.1. After cleaning, be sure to return the ALLS HX2.1 to the cabinet it was taken from. If it is returned to the wrong cabinet, it could lead to malfunctions or other problems.

 AVERTISSEMENT

- La manipulation des parties internes du produit devrait être effectuée par du personnel d'entretien du site ou par d'autres professionnels qualifiés. Le travail effectué par du personnel non technique peut causer un grave accident, comme un choc électrique.
- Assurez-vous de vérifier une fois par an si les câbles d'alimentation sont endommagés, si la prise est bien insérée, si la poussière s'est accumulée entre la prise et la prise d'alimentation, etc. L'utilisation du produit avec de la poussière accumulée peut provoquer un choc électrique ou un incendie.
- Périodiquement, environ une fois par an, communiquez avec le bureau mentionné dans le présent manuel ou le point d'achat de ce produit concernant le nettoyage interne. L'utilisation du produit avec de la poussière accumulée à l'intérieur peut causer un incendie ou un accident. Notez qu'il y aura des frais pour les services de nettoyage professionnels.
- Avec le temps, il y a un risque de choc électrique, de court-circuit ou d'incendie causé par la détérioration de l'isolation des équipements électriques et électroniques. Vérifiez qu'il n'y a pas d'anomalies comme les odeurs de brûlure.
- N'utilisez pas de jet d'eau (dispositif de lavage haute pression) ou de tuyau d'arrosage pour nettoyer ce produit. Il n'a pas été conçu pour être nettoyé par un jet d'eau. L'eau peut entrer et provoquer un choc électrique, un court-circuit ou un incendie. Le produit pourrait aussi être endommagé de telle manière qu'il soit difficile à réparer.
- Nettoyez l'ALLS HX2.1 une fois par an. Si le plateau de jeu est utilisé tel quel avec de la poussière accumulée à l'intérieur, il pourrait entraîner un dysfonctionnement, un incendie ou d'autres accident.

Periodic Inspection

Period	Items	Description	Reference
As appropriate	Cabinet surfaces	Cleaning	As below
	Electronic/electrical parts	Inspection	Previous page (P.78)
	Touch sensor surface	Cleaning surface	11-1-1 (P.87)
Daily	Cabinet	Confirm that adjusters contact floor	4-1 (P.16)
	Touch sensor	Inspection	SM 3-5
Monthly	Button	Check each input device	SM 3-2
	Speaker, woofer	Sound volume inspection	7-1-4 (P.73)
		Speaker inspection	SM 4-1
	Coin selector	Coin insertion test	13-1 (P.111)
	LED	Output test	SM 3-3
	Touch-type card reader	Read test	SM 3-9
	Headphone jack	Output test	SM 4-1
Every three months	Button	Apply grease	12-2 (P.106)
One year	ALLS HX2.1	Cleaning	16-2 (P.123)
	Power plug	Inspection, cleaning	Previous page (P.78)
	Cabinet interior	Cleaning	Previous page (P.78)

Note: "SM" refers to the Service Manual provided with the cabinet.

Cleaning the Cabinet Surface

When the cabinet surfaces become dirty, wet a soft cloth with water or lukewarm water, wring it out thoroughly, and clean the surfaces. 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).

Also, some general-purpose household, kitchen, and furniture cleaning products may contain strong solvents that degrade plastic parts, coatings, and print.

10 TROUBLESHOOTING

WARNING / AVERTISSEMENT

- 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 countermeasures 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.
-
- Ce travail devrait être effectué par du personnel d'entretien des lieux ou par d'autres professionnels qualifiés. S'il n'y a pas de personnel d'entretien du site ou d'autres professionnels qualifiés disponibles, éteignez immédiatement le courant et communiquez avec le bureau mentionné dans le présent manuel ou le point d'achat de ce produit.
 - Si d'autres problèmes que ceux visés dans le présent manuel se posent ou si aucune amélioration ne peut être notée après que les mesures de dépannage indiquées dans le présent manuel ont été prises, ne prenez aucune contre-mesure sans discrimination. Coupez immédiatement le courant et communiquez avec le bureau mentionné dans le présent manuel ou le point d'achat de ce produit. Des contre-mesures aveugles pourraient entraîner des accidents imprévisibles ou entraîner des dommages permanents.
 - Si un protecteur de circuit est activé, résolvez la cause profonde du problème avant de réactiver le disjoncteur. Si l'unité est utilisée avant que la cause profonde ne soit résolue, il pourrait y avoir une production excessive de chaleur ou un incendie selon la cause profonde.

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 "Chaper 5 ERROR DISPLAY", 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 this 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 20.)

Troubleshooting Table

Problems	Cause	Measures
With power switch ON, no activation.	Power is not supplied.	Insert the power plug all the way into the outlet. [See 6-4 (P.60).]
	Either main or sub power switch is OFF.	Turn both switches ON. [See 6-4 (P.60).]
	Power supply/voltage is not correct.	Provide correct power supply voltage. [See 1-1 (P.1), 3-1 (P.13)]
	The circuit protector functioned due to the momentary overload.	Replace the fuse after removing the cause of the overload. [See Chapter 15. (P.114)]
There is no sound from headphone.	Headphone jack is damaged.	Replace the damaged headphone jack. [See 11-5 (P.100).]
	ALLS HX2.1 or amplifier malfunctioning.	Check if the sound is emitted in TEST MODE. (See SM "4-1 SPEAKER TEST.") If the problem is still not solved, contact the office listed in this manual or the point-of-purchase for this product.
There is no sound from speaker or woofer.	Volume not properly adjusted.	Adjust the sound volume in the Switch unit. [See 7-1-4 (P.73).]
	Settings are incorrect.	Check the sound output settings for Advertising Mode (awaiting customers). (See SM "3-7 GAME ASSIGNMENTS.")
	ALLS HX2.1, amplifier and speaker malfunctioning.	Check if the sound is emitted in TEST MODE. (See SM "4-1 SPEAKER TEST.") If the problem is still not solved, contact the office listed in this manual or the point-of-purchase for this product.
Sound is emitted but no image appears on the monitor .	Monitor malfunctioning	Replace the LCD. [See 11-3 (P.93).]
	ALLS HX2.1 malfunctioning	Replace the ALLS HX2.1. [See 16-3 (P.125).]
LED does not illuminate.	LED malfunctioning	Check if the LED illuminates properly in TEST MODE. (See SM "3-3 OUTPUT TEST.") If the problem is still not solved, contact the office listed in this manual or the point-of-purchase for this product.
Buttons do not respond as intended.	Run out of grease	Apply grease. [See 12-2 (P.106).]
	Button malfunctioning.	Replace the button. [See 12-1 (P.102).]
Touch-type card reader failure.	Using invalid card	Check if the card can be read in TEST MODE. (See SM "3-9 AIME CARD READER TEST.")
	Touch-type card reader malfunctioning.	Contact the office listed in this manual or the point-of-purchase for this product.
Touch sensor does not operate.	Touch sensor malfunctioning.	Replace the touch sensor. [See 11-4 (P.97).]
Touch sensor does not operate correctly.	The surface of touch sensor is dirty.	Clean the surface. [See 11-1 (P.87).]
	Touch sensor has not been adjusted appropriately.	Configure settings in TEST MODE. (See SM "3-5 TOUCH SENSOR TEST.")
	Earth ground is not attached.	Attach the Earth cable. [See "Earth Grounding" in this chapter. (P.84)]

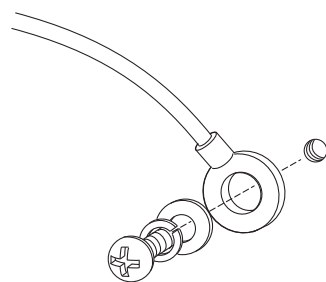
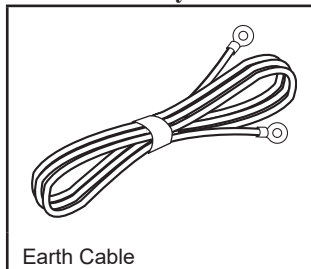
Problems	Cause	Measures
Inserted coins are returned.	Operating with store closing setting or undergoing server maintenance.	While closed or during a certain period of time before the server is shut down, restrict credits and return inserted coins. (See SM "3-10 CLOSE SETTING".)
Music distribution day	New music cannot be played on the day that it is distributed.	Restart the machine with the network connection connected. [See 7-1-1 (P.72).]
Cannot conduct network play.	Settings are incorrect.	Configure settings correctly. (See SM "3-7 GAME ASSIGNMENTS".)
	LAN cable is not fully connected. LAN cable connection failure	Correct connection of LAN cable. [See 6-3 (P.50).]
	LAN cable is damaged.	Replace the LAN cable. [See 6-3 (P.50).]
	Undergoing server maintenance, during store closing time or network failure	Check the store closing time and server maintenance time. Network play cannot be conducted from 15 minutes before server is shut down until maintenance is complete. (See SM "1-7 SERVER MAINTENANCE", "1-8 STORE CLOSING PROCEDURES".)
	Router malfunctioning.	Contact the office listed in this manual or the point-of-purchase for this product.
ALLS HX2.1 logo remains and the advertise mode screen does not appear. (Error displayed)	ALLS HX2.1 setting failure or malfunctioning	Refer to the ALLS HX2.1 Service Manual. (See "Chapter 4 ERROR MESSAGES" in the ALLS HX2.1 SM.) If the ALLS HX2.1 is malfunctioning, replace it. [See 16-3 (P.125).]

Note: "SM" refers to the Service Manual provided with the cabinet.

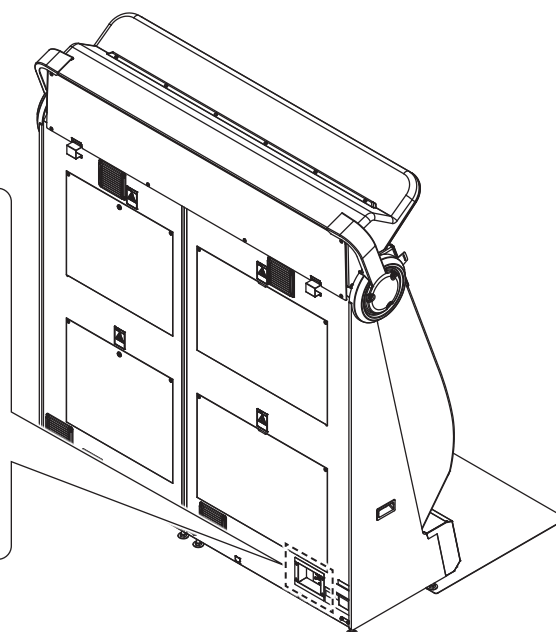
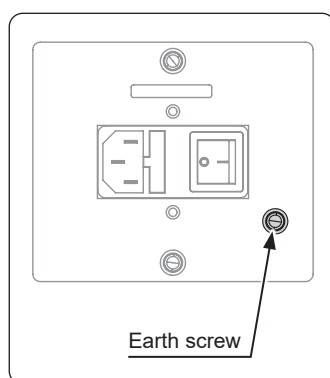
Earth Grounding

If the touch sensor controls are not satisfactory, connect the AC unit ground screw and grounding mechanism with the supplied ground wire, and then ground it. When attaching the earth, remove the earth screw of the AC unit, pass it through the round terminal of the earth cable, and then fasten it. Pass a screw through a spring washer and flat washer.

Tools Necessary for Work



Connection of Earth Cable



11 LCD, TOUCH SENSOR, HEADPHONE JACK

In this chapter, instructions are provided with Cabinet 1P and tasks can be done for Cabinet 2P following the same steps.

WARNING

- Continuing to use the product under the following circumstances may cause a fire or an electric shock. Be sure to pull out the plug from the power supply and contact the office listed in this manual or the point-of-purchase for this product.
 - Smoke or an odd smell being noticed.
 - Nothing displays on the screen.
 - Water or foreign objects have entered the cabinet.
 - The monitor is dropped or the cabinet is damaged.
- Do not attempt to repair, remodel, or disassemble the monitor. The monitor 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.
- Do not allow foreign objects to get inside the monitor. If metal or paper objects enter the monitor 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.

AVERTISSEMENT

- Le fait de continuer à utiliser le produit dans les circonstances suivantes peut causer un incendie ou un choc électrique. Assurez-vous de retirer la prise de l'alimentation électrique et de contacter le bureau mentionné dans ce manuel ou le point d'achat de ce produit.
 - De la fumée ou une odeur bizarre se faisant remarquer.
 - Rien ne s'affiche à l'écran.
 - De l'eau ou des objets étrangers sont entrés dans le cabine.
 - Le moniteur est tombé ou l'armoire est endommagée.
- N'essayez pas de réparer, de remodeler ou de démonter le moniteur. L'écran contient des pièces à haute tension et l'essai des mesures susmentionnées peut provoquer un incendie ou un choc électrique. Communiquez avec le bureau mentionné dans le présent manuel ou le point d'achat de ce produit pour demander une inspection, un ajustement ou une réparation.
- Ne laissez pas entrer des objets étrangers dans le moniteur. Si des objets métalliques ou en papier pénètrent dans le moniteur par les conduits d'aération, ils peuvent provoquer un choc électrique, un court-circuit ou un incendie.

ATTENTION

- Ne tapez pas ou ne frappez pas la surface de l'écran LCD, car cela peut briser le verre et causer des blessures.
- Si le verre se brise et que le cristal liquide s'échappe, ne touchez pas le liquide. Le liquide peut causer des dommages s'il entre en contact avec les yeux ou la peau. Tout liquide qui fuit doit être traité comme suit.
 - Si le cristal liquide entre en contact avec les yeux ou la peau, lavez soigneusement la zone touchée avec de l'eau propre et consultez immédiatement un médecin.
 - Si le cristal liquide entre en contact avec les vêtements, lavez-le immédiatement avec de l'eau propre.
 - S'il entre en contact avec un autre équipement que ce produit, essuyez-le sans le toucher directement.
- Ne faites pas fonctionner le produit lorsque l'écran clignote, déforme ou présente d'autres anomalies. Les images d'un écran mal ajusté peuvent causer des étourdissements, des maux de tête et d'autres affections aux joueurs et aux autres clients.

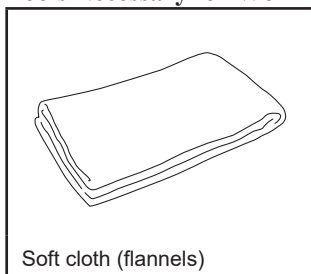
11-1 CLEANING

STOP IMPORTANT

- Remove smears by using a dry, soft cloth (e.g. flannels). Do not use abrasive materials. If there is a lot of dirt, wet a cloth with water or lukewarm water, wring it out thoroughly, and wipe the surface. Never use chemical detergents or other chemicals.
- Do not rub or scratch the face of the touch screen with hard items such as scrub brushes.

11-1-1 Cleaning the Touch Sensor Surface

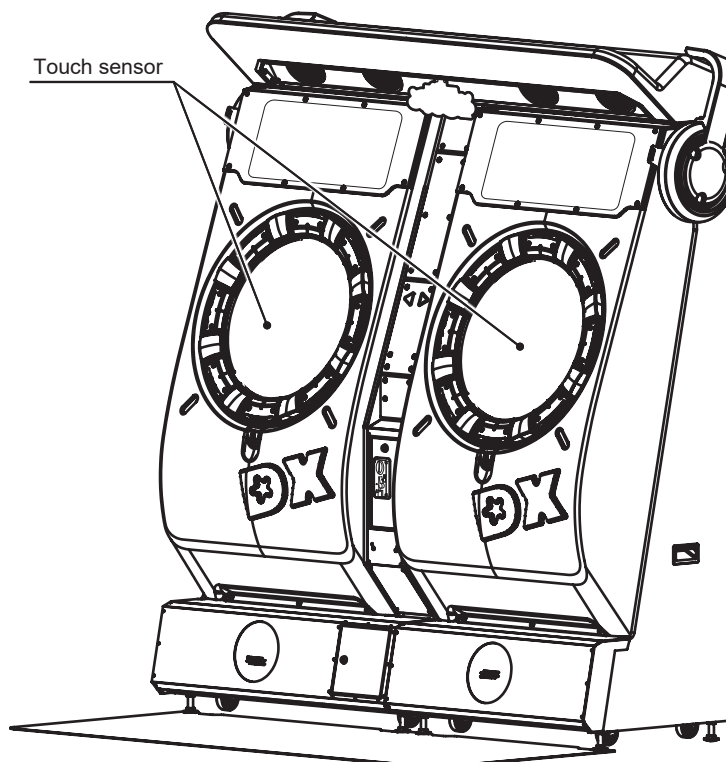
Tools Necessary for Work



Soft cloth (flannels)

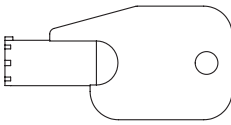
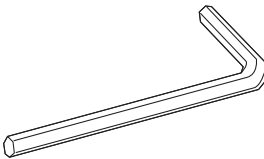
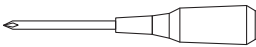
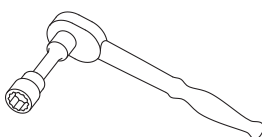
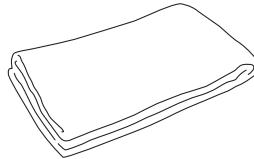
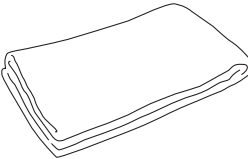
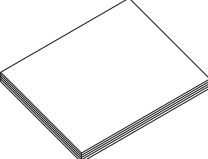
11

Clean the touch sensor surface on a regular basis.



11-1-2 Cleaning the Touch Sensor (Back Side) and LCD (Front Side)

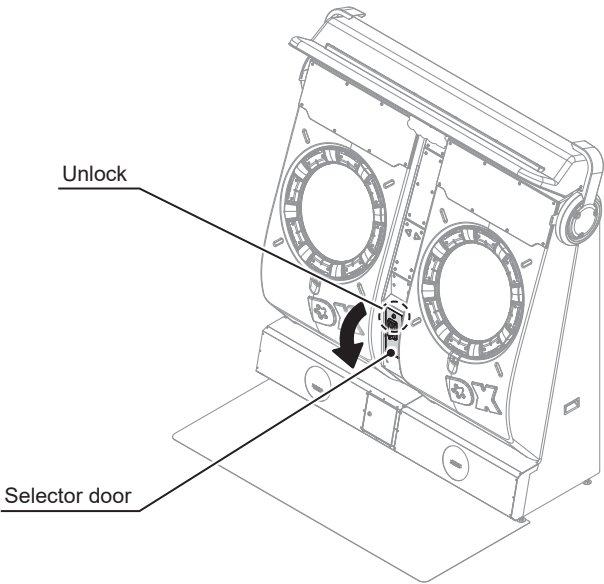
Tools Necessary for Work

 Master key (Accessory)	 Hexagonal wrench (For M4)	 Phillips screwdriver (PH2)	 Sockets for hexagon bolts and nut (WAF 10 mm [For M6])
 Protective material [Blanket etc., about 1 m (39.4 in.) x 0.6 m (23.6 in.)]	 Soft cloth (flannels)	 Service manual	

11

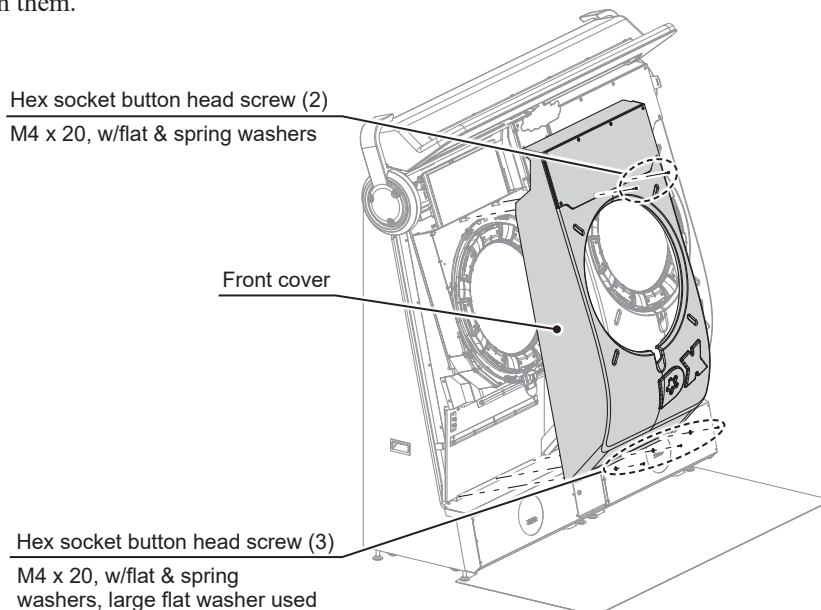
In this chapter, instructions are provided with Cabinet 1P and Cabinet 2P can also be cleaned following the same steps.

- 1
- Unlock the Selector door with the master key and then open it.

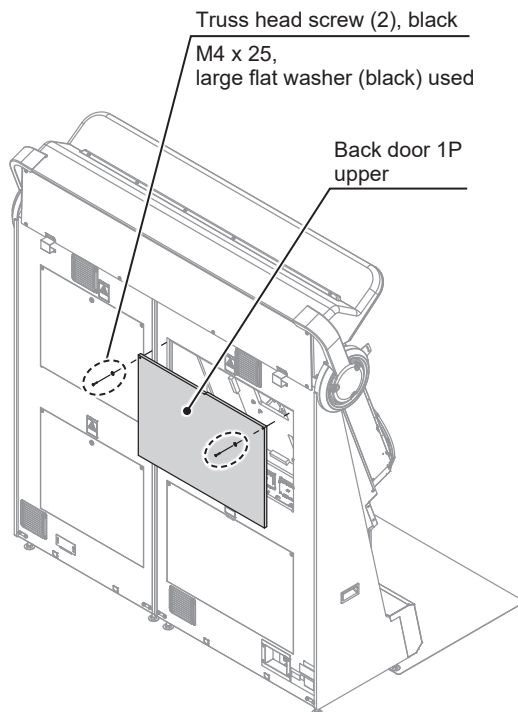


- 2
- Turn the sub power switch OFF.

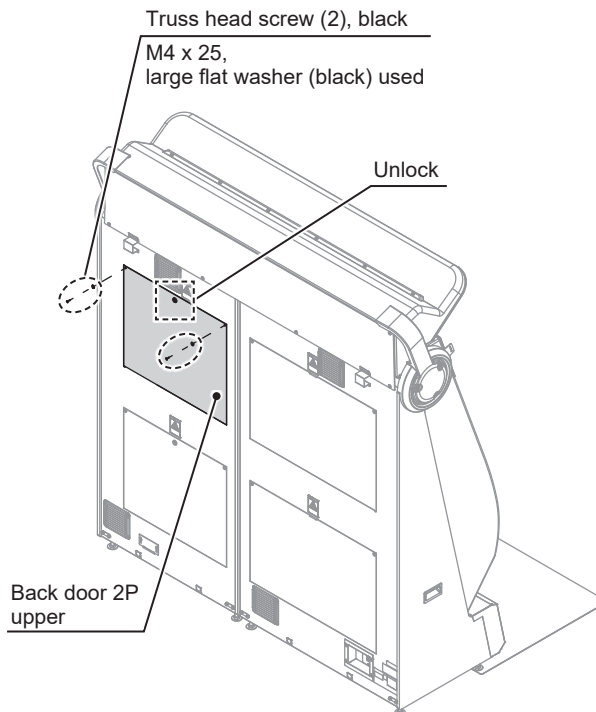
- 3** Remove five hex socket button head screws and take off the Front cover. When doing this, be careful not to damage the LED board, LED tape and cables on the cabinet side. When reattaching the front cover, lightly fasten the five hex socket button head screws with your fingers, and then use a tool to fully tighten them.



- 4** Remove two truss head screws and take off Back door 1P (upper). For Cabinet 2P, remove two truss head screws and unlock Back door 2P (upper) with master key, and then take it off.



Cabinet 1P

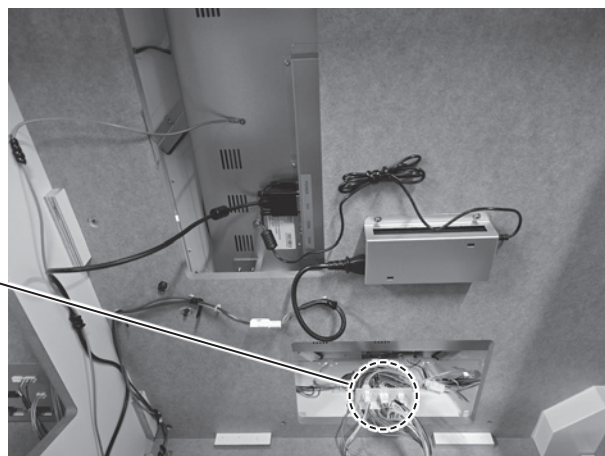


Cabinet 2P

5

Disconnect five connectors.

Connector (5)
YL6P, SM3P, SM5P, XA12P, XAD26P



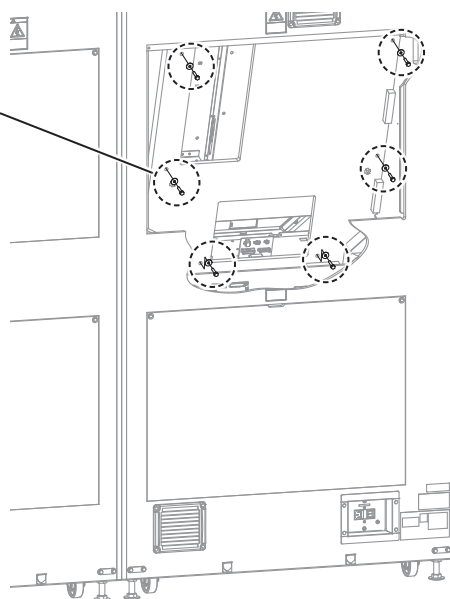
Back of the cabinet (inside)

6

Remove six hexagon head bolts.

11

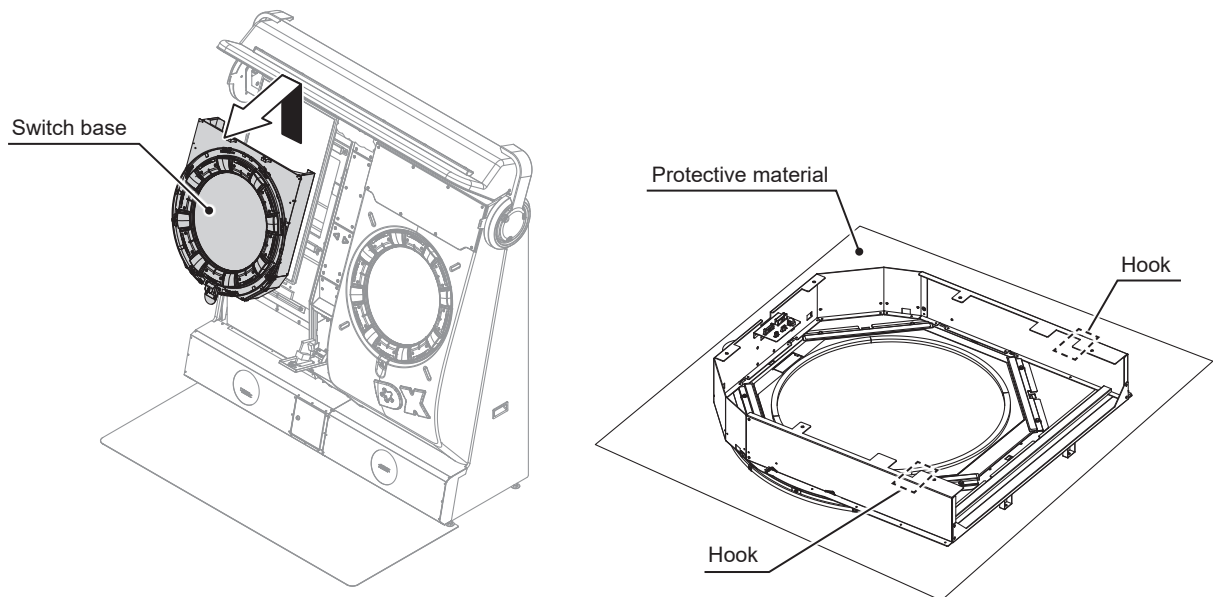
Hexagon head bolt (6), black
M6 x 30, w/flat & spring washers
Large flat washer used



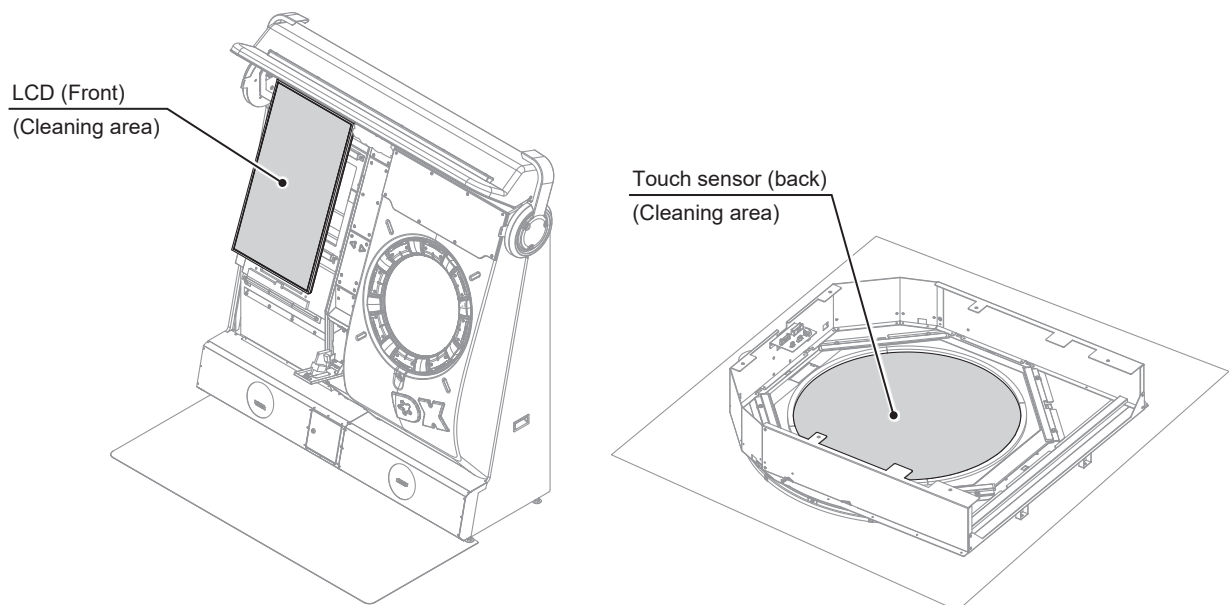
7

Lay protective material on the floor.

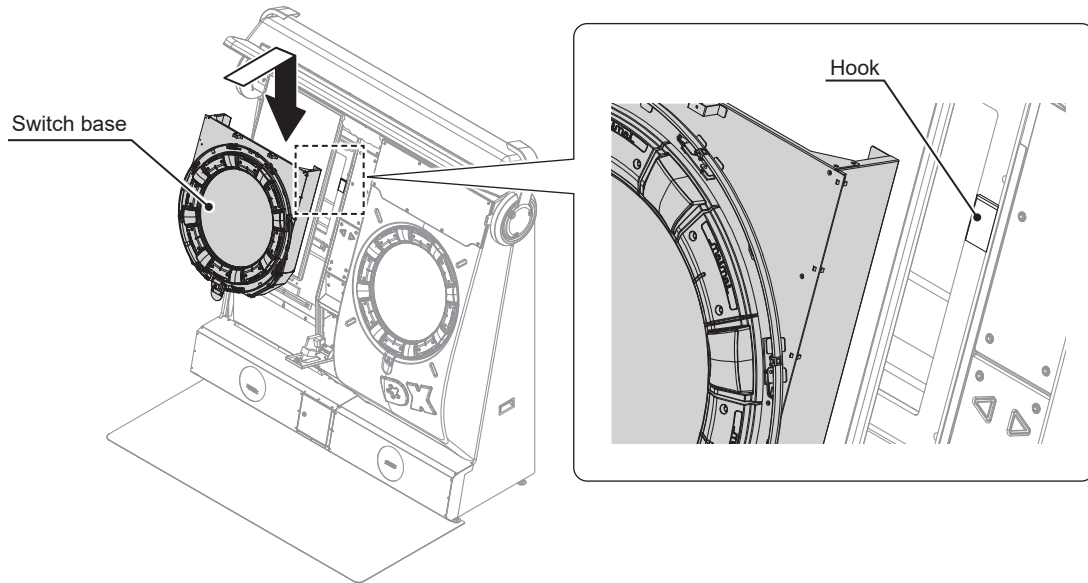
- 8 Support the Switch base and take it off with at least two people, and then place it on the protective material while the touch sensor side is on the bottom.



- 9 Clean the front of the LCD and back of the touch sensor.



- 10** Attach the Switch base to the cabinet. When doing this, be careful of the following points.
- Align the tabs with the grooves on the bottom rear of the switch base and insert it into place, and then hook the edges onto the hooks of the cabinet.
 - Do not get cables caught.
 - Do not get hands caught.



11

- 11** Refer to Steps from 3 to 6 and work in reverse order.

- 12** Turn the sub power switch ON.

- 13** Check the operation of the touch sensor. (See "3-5 TOUCH SENSOR TEST" in the Service manual.)

11-3 REPLACING THE LCD

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, be sure to turn the power OFF. Working without turning the power OFF 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 touch undesignated places. Touching places not designated 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.
- 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.
- 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.
- Be careful in handling glass/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 and cause injury due to fragments resulting from damage.
- Be careful when handling parts made of glass. Do not lean them up against the wall or subject them to impact. If they break, it may result in fragments or cracks that could cause accidental injury.
- Be careful when handling parts made of glass. Do not lean them against a wall or subject them to impact. The parts may break, resulting in fragments or cracks that could cause accidental injury.

AVERTISSEMENT

- Ce travail devrait être effectué par le personnel d'entretien du site ou d'autres professionnels qualifiés. Les travaux effectués par le personnel non techniques peuvent causer un accident grave comme un choc électrique.
- Avant de commencer le travail, soyez sûr de tourner le pouvoir. Travailler sans transformer le pouvoir de causer un choc électrique, court circuit ou feu.
- Sois prudent de ne pas endommager les câbles. Les câbles endommagés peuvent causer un choc électrique, court ou feu.
- Ne touchez pas aux endroits non désignés. Les lieux ne sont pas désignés peuvent causer un choc électrique, un circuit électrique, court ou feu.

ATTENTION

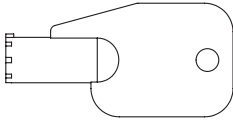
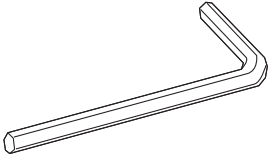
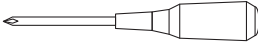
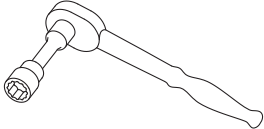
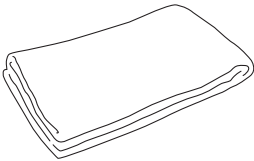
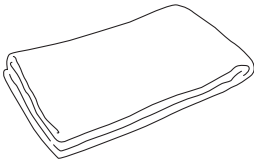
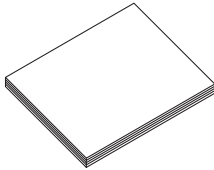
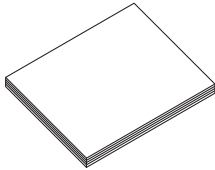
- Lorsque vous ouvrez, fermez ou attachez ou enlevez des portes ou d'autres parties, veillez à ce que vos mains ou vos doigts ne soient pas pris dans quoi que ce soit.
- Assurez-vous d'effectuer un réglage approprié de l'écran LCD. Pour le fonctionnement de ce produit, ne laissez pas le clignotement ou la déviation de l'écran tel quel. Le fait de ne pas observer cette situation peut avoir une mauvaise influence sur les conditions physiques des joueurs ou des clients.
- Si toutes les pièces d'attache fixées (bruits, écrous et lave-linge) sont enlevées, les pièces tombent et causent des accidents. S'assurer que les pièces sont solidement appuyées lors de l'enlèvement des fixations apposées.
- Faites attention à la manipulation des pièces en verre ou en plastique. Si de telles pièces sont exposées à des charges ou à des chocs excessifs, elles risquent d'être endommagées, entraînant des fragments ou des fissures pouvant causer des blessures accidentelles.
- Lorsque vous fixez des pièces en plastique, veillez à ne pas serrer excessivement les vis et les écrous. Si vous ne l'observez pas, vous risquez d'endommager les pièces et de causer des blessures dues à des fragments qui en résultent.
- Faites attention quand vous manipulez des pièces en verre. Ne les penchez pas contre le mur ou ne les soumettez pas à l'impact. S'ils se brisent, ils peuvent entraîner des fragments ou des fissures qui pourraient causer des blessures accidentelle.
- Faites attention quand vous manipulez des pièces en verre. Ne les penchez pas contre un mur ou ne les soumettez pas à l'impact. Les parties peuvent se briser, entraînant des fragments ou des fissures qui pourraient causer des blessures accidentelles.

STOP

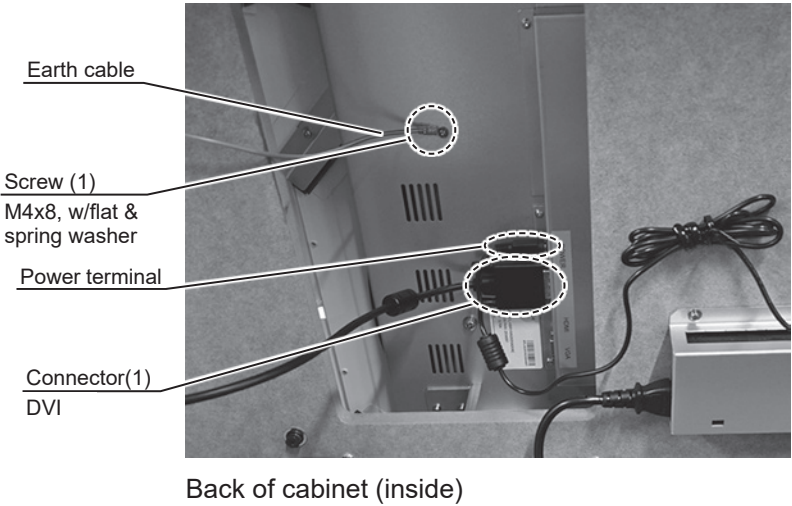
IMPORTANT

- Re-adjust the touch sensor after replacing the LCD. Failing to do so could cause disagreements with players who are unable to play as intended.
- 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.

Tools Necessary for Work

			
Master key (Accessory)	Hexagonal wrench (For M4)	Phillips screwdriver (PH2)	Sockets for hexagon bolts and nut (WAF 10 mm [For M6])
			
Protective material [Blanket etc., about 1 m (39.4 in.) x 0.6 m (23.6 in.)]	Soft cloth (flannels)	Service manual	ALLS HX2.1 Service manual (Accessory)

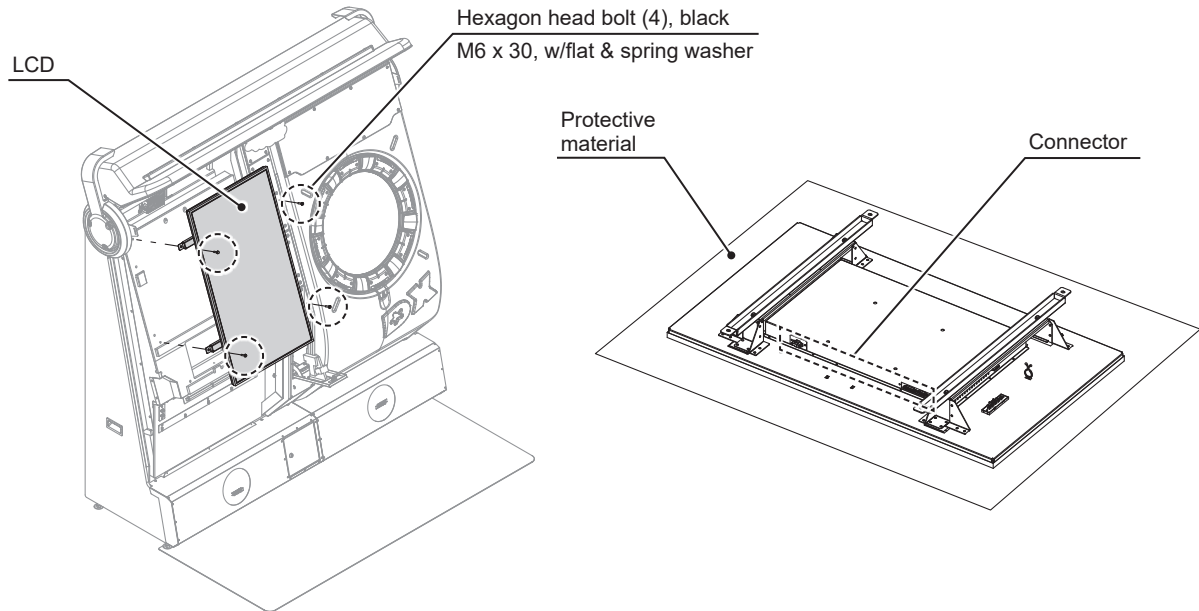
- 1
- Turn the main power switch OFF.
- 2
- Refer to Steps 3 to 5 in "11-1-2" and work in the same order.
- 3
- After disconnecting the power terminal, disconnect the DVI connector. Remove the screw and Earth Cable. When doing this, disconnect the DVI connector after loosening the fixing screw.



4 Refer to Steps 6 to 8 in "11-1-2" and work in the same order.

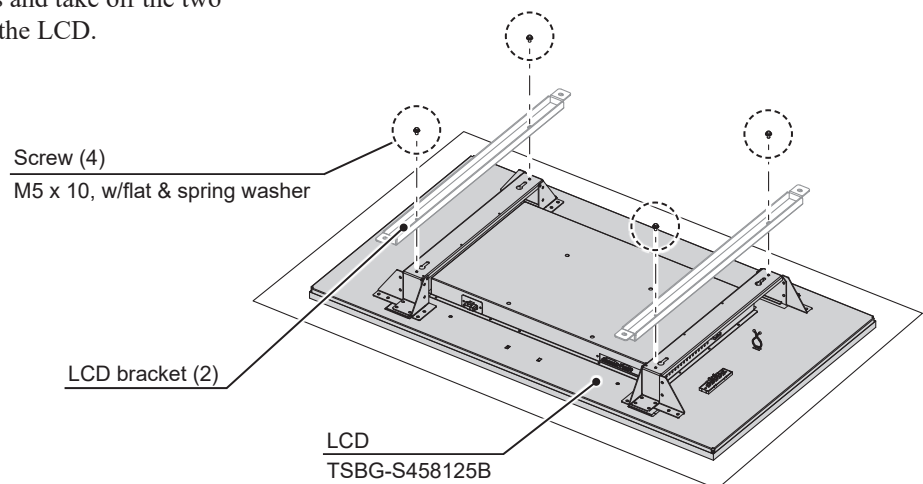
5 Lay protective material on the floor.

6 Remove four hexagon head bolts and take off the LCD. When doing this, support the LCD with at least two people and put it on the protective material facing the screen down. When attaching, make sure that the connector comes to the right as viewed from the front of the cabinet.



11

7 Remove four screws and take off the two LCD brackets from the LCD.



8 Refer to Steps 2 to 6 and work in reverse order to attach the replacement LCD. When doing this, rotate the ferrite core two times toward the LCD board cable side.

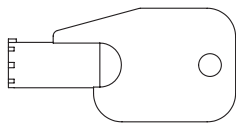
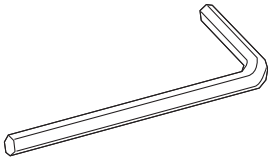
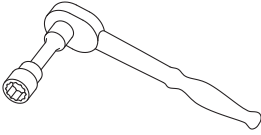
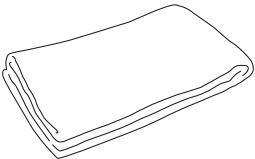
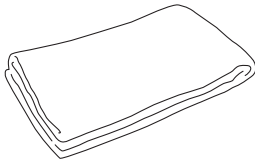
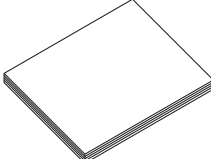
9 Turn the main power switch ON.

10 Adjust the screen position. (See "3-4 MONITOR TEST" in the Service manual.)

11 Adjust the screen colors. (See "3-4 MONITOR TEST" in the ALLS HX2.1 Service manual.)

11-4 REPLACING THE TOUCH SENSOR UNIT

Tools Necessary for Work

 Master key (Accessory)	 Hexagonal wrench (For M4)	 Phillips screwdriver (PH2)	 Sockets for hexagon bolts and nut (WAF 10 mm [For M6])
 Protective material [Blanket etc., about 1 m (39.4 in.) x 0.6 m (23.6 in.)]	 Soft cloth (flannels)	 Service manual	

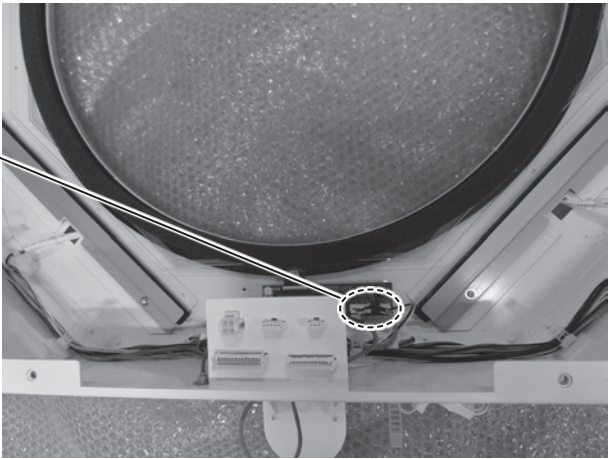
- 1

Turn the main power switch OFF.
- 2

Refer to Steps 3 to 8 in "11-1-2" and work in the same order.
- 3

Disconnect two connectors.

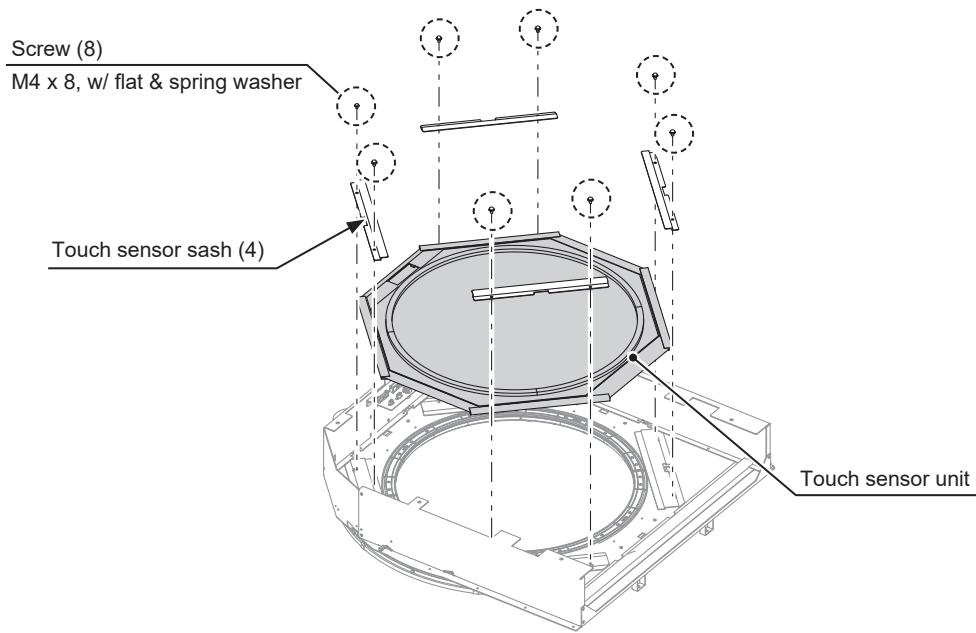
Connector (2)
XA2P, XA6P



Switch Base

4

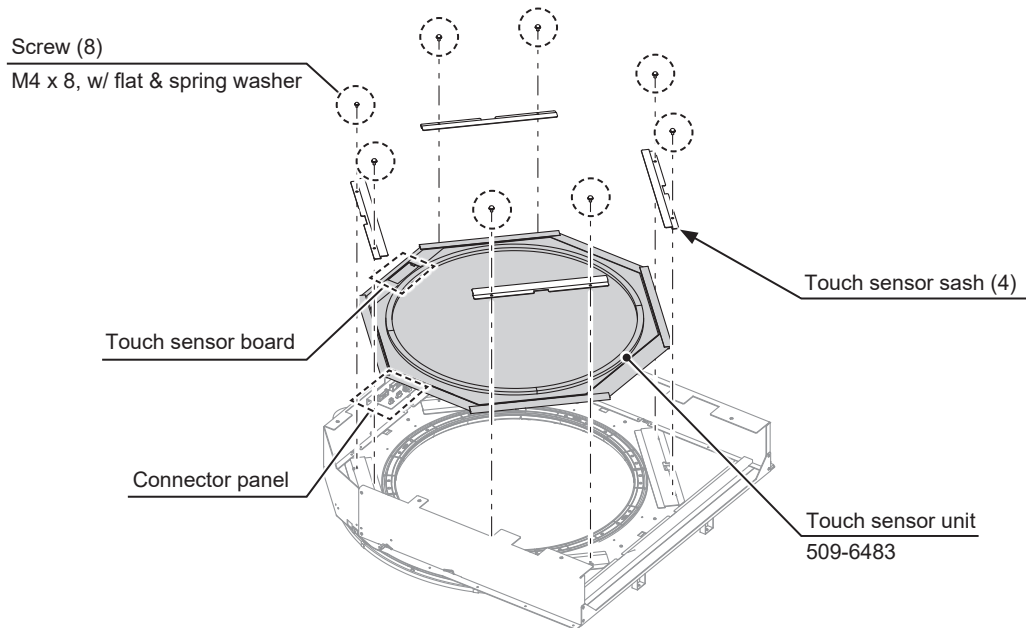
Remove eight screws and take off the four Touch sensor sashes and Touch sensor unit.



11

5

Attach the four Touch sensor sashes and replacement Touch sensor unit with eight screws. When doing this, make the Touch sensor board comes to the Control panel side.



6 Connect two connectors.

Connector (2)
XA2P, XA6P



Switch Base

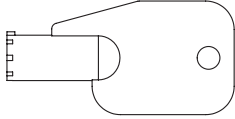
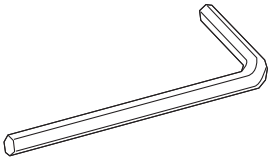
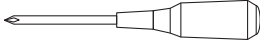
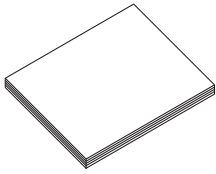
7 Refer to Steps 3 to 8 in "11-1-2" and work in reverse order.

8 Turn the main power switch ON.

9 Check the operation of the Touch sensor. (See "3-5 TOUCH SENSOR TEST" in the Service manual.)

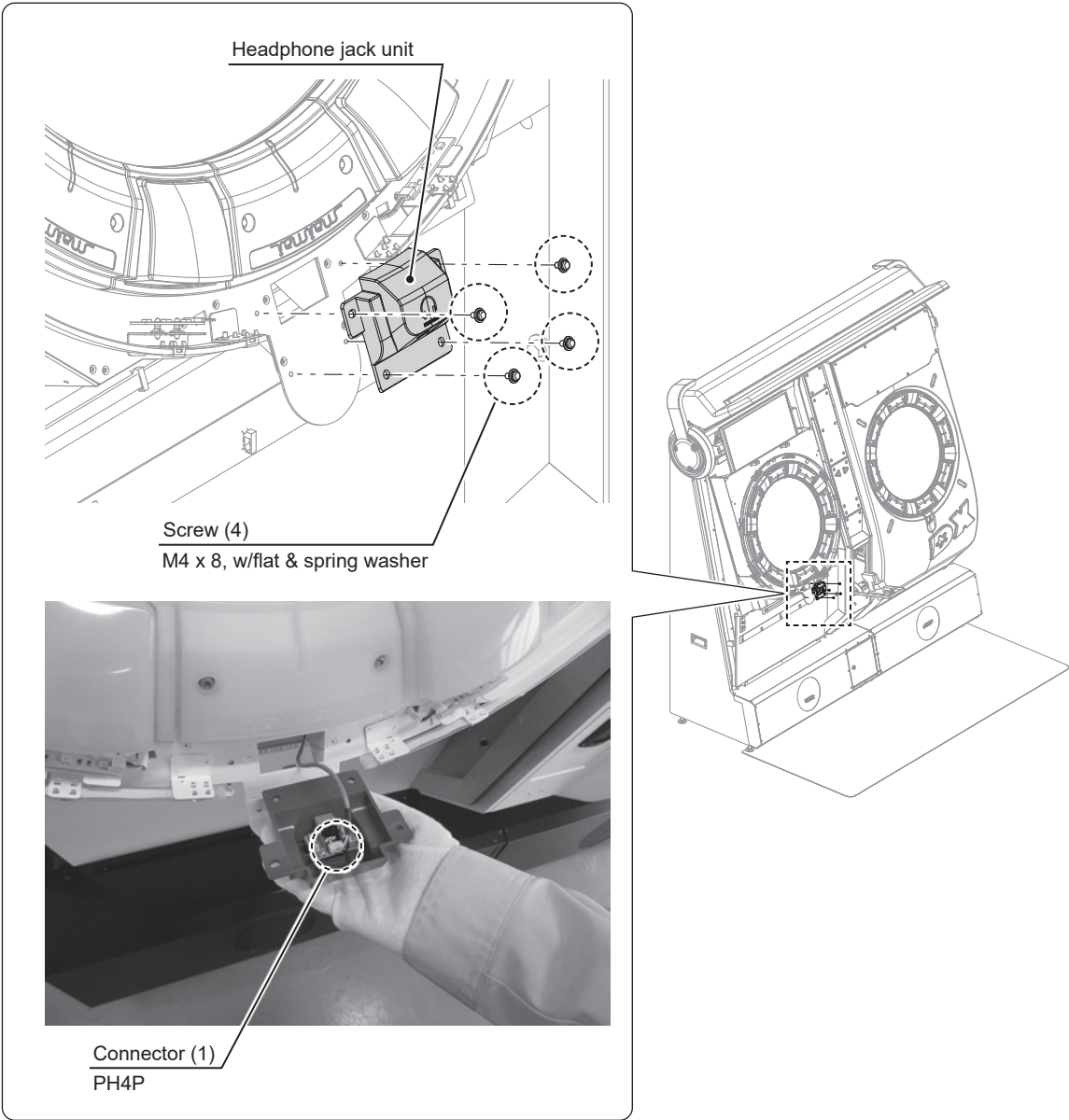
11-5 REPLACING THE HEADPHONE JACK

Tools Necessary for Work

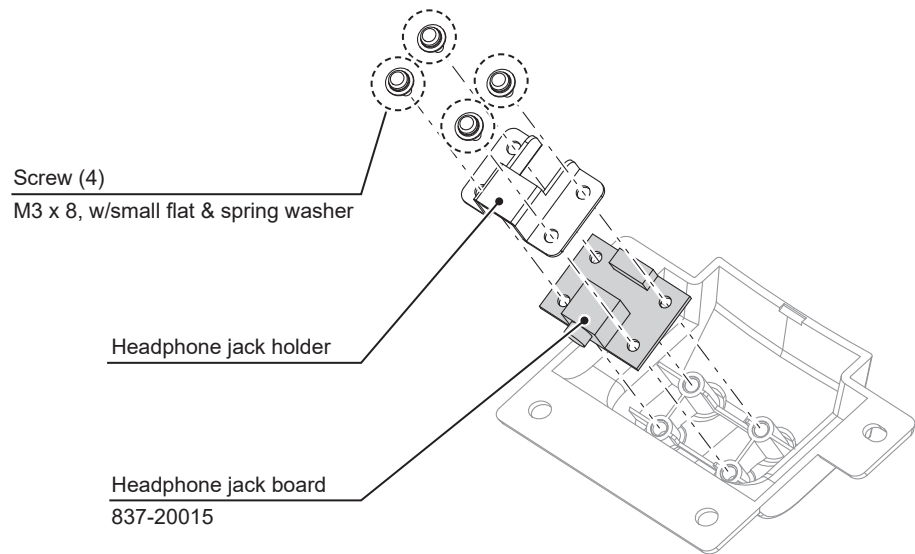
			
Master key (Accessory)	Hexagonal wrench (For M4)	Phillips screwdriver (PH2)	Service manual

- 1
- Refer to Steps 1 to 3 in "11-1-2" and work in the same order.
- 2
- Remove four screws and take off the headphone jack unit, then disconnect a connector. When doing this, be careful not to pull too hard on the wire connected to the headphone jack unit.

11



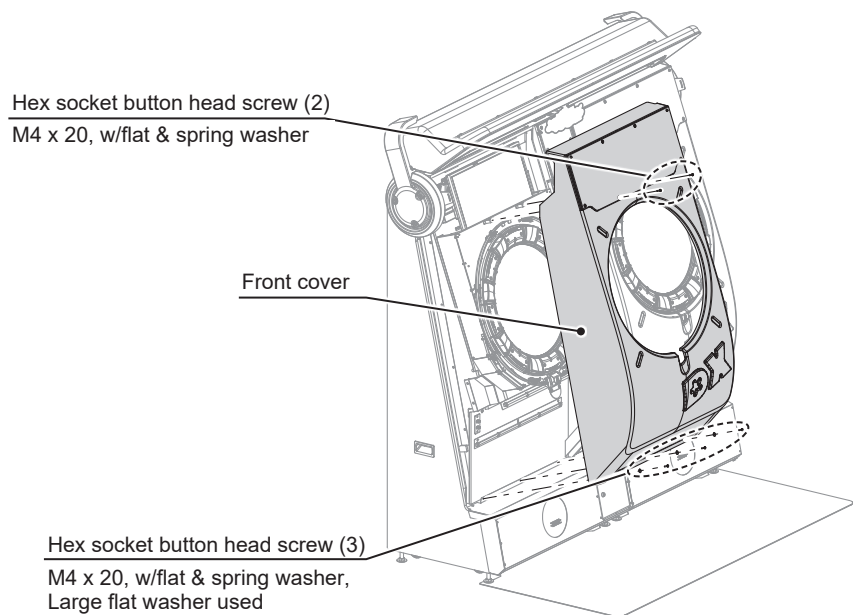
- 3 Remove four screws and take off the headphone jack holder and headphone jack board.



- 4 Refer to Steps 2 and 3 and work in reverse order to attach the headphone jack board and reassemble the cabinet.

- 5 Attach the Front cover with five hex socket button head screws. When doing this, be careful not to damage the LED board on the cabinet side, LED tape and cables.

11



- 6 Turn the sub power switch ON.

- 7 Connect a headphone to the headphone jack and check if the sound emits properly.
(See "4-1 SPEAKER TEST" in the Service manual.)

12

BUTTON

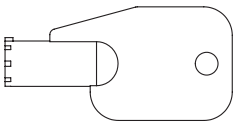
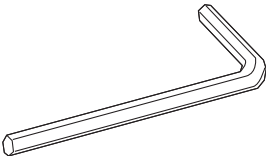
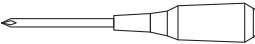
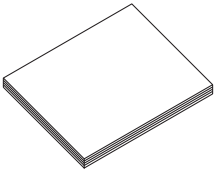
In this chapter, instructions are provided with Button 1 on Cabinet 1P and work on other buttons with the same steps.

12-1 REPLACING THE BUTTON

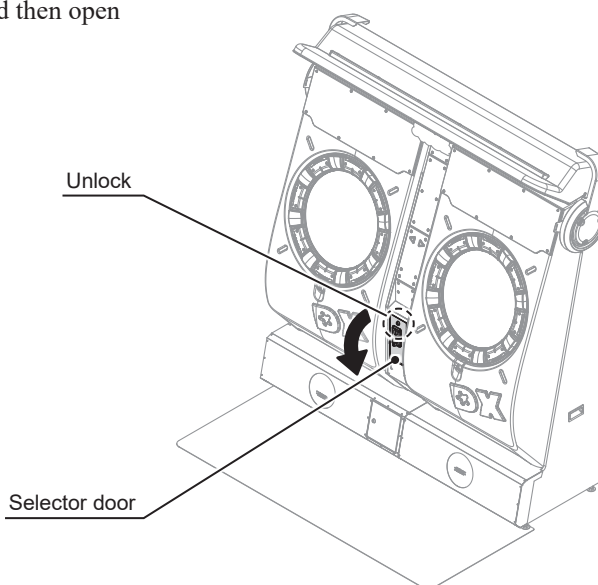
 WARNING / AVERTISSEMENT

- 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, be sure to turn the power OFF. Working without turning the power OFF 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.
-
- Ce travail devrait être effectué par du personnel d’entretien des lieux ou par d’autres professionnels qualifiés. Le travail effectué par du personnel non technique peut causer un grave accident, comme un choc électrique.
 - Avant de commencer le travail, assurez-vous d’éteindre le courant. Travailler sans éteindre l’alimentation électrique peut provoquer un choc électrique, un court-circuit ou un incendie.
 - Attention à ne pas endommager les câbles. Les câbles endommagés peuvent causer un choc électrique, un court-circuit ou un incendie.

Tools Necessary for Work

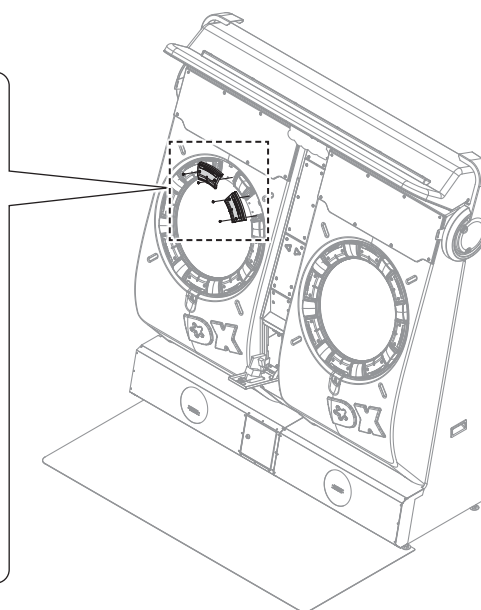
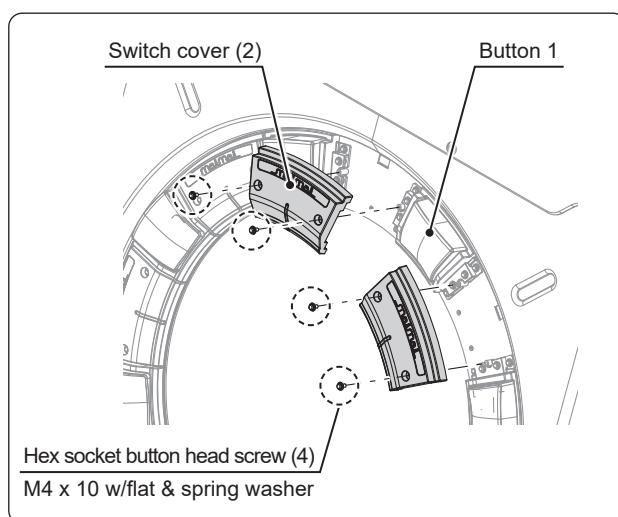
 Master key (Accessory)	 Hexagonal wrench (For M4)	 Phillips screwdriver (PH2)	 Service manual
--	---	---	---

- 1 Unlock the Selector door with the master key and then open it.

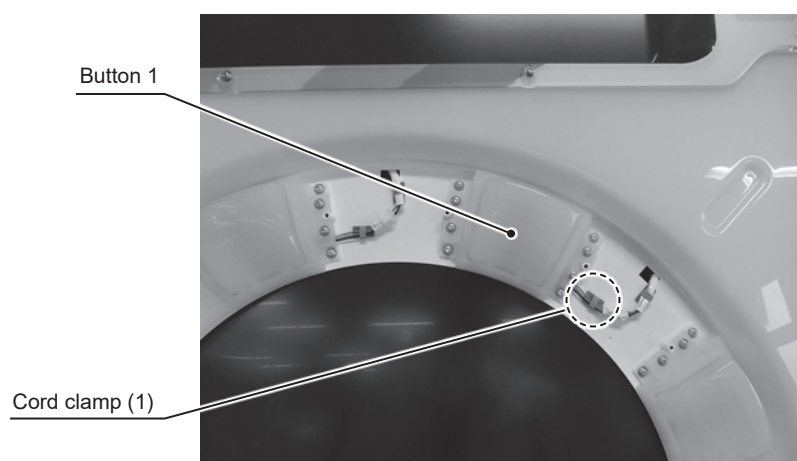


- 2 Turn the sub power switch OFF.

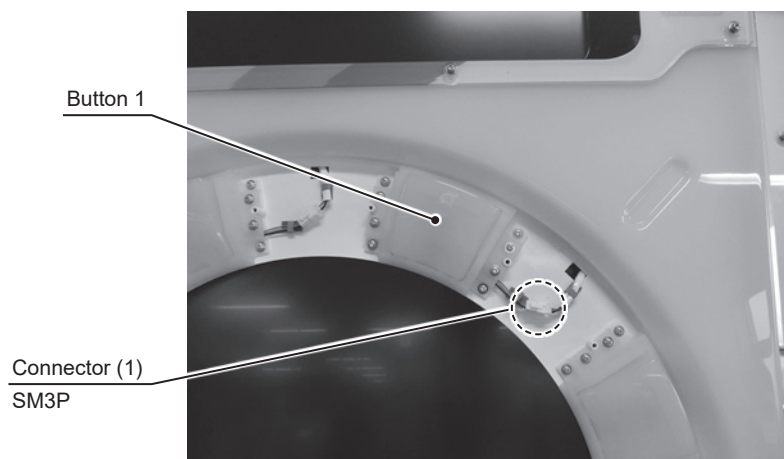
- 3 Remove four hex socket button head screws and take off the Switch covers on both sides of Button 1. When reattaching, be careful not to get the cables caught.



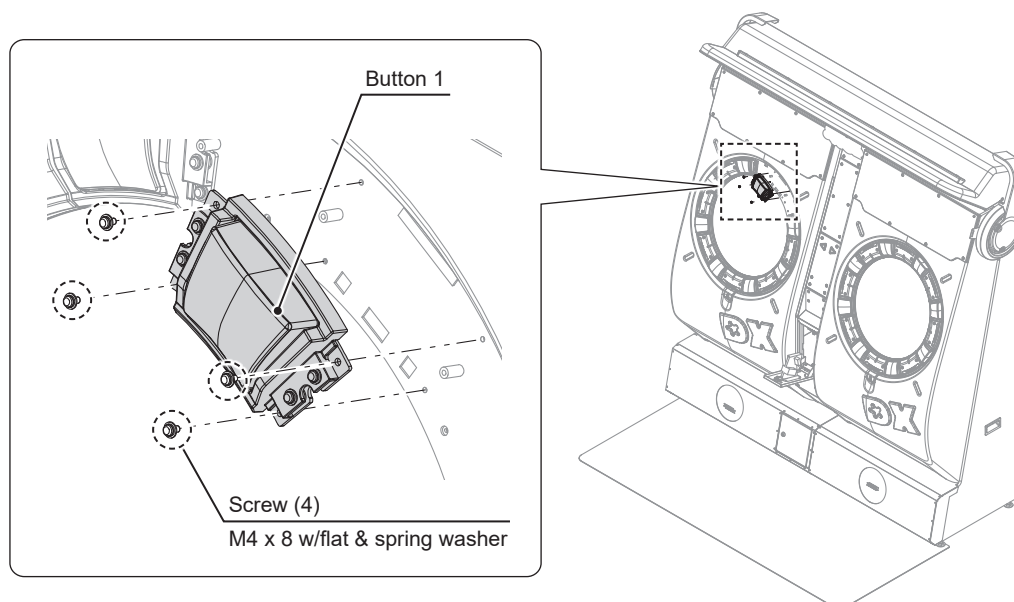
4

 Undo one cord clamp.

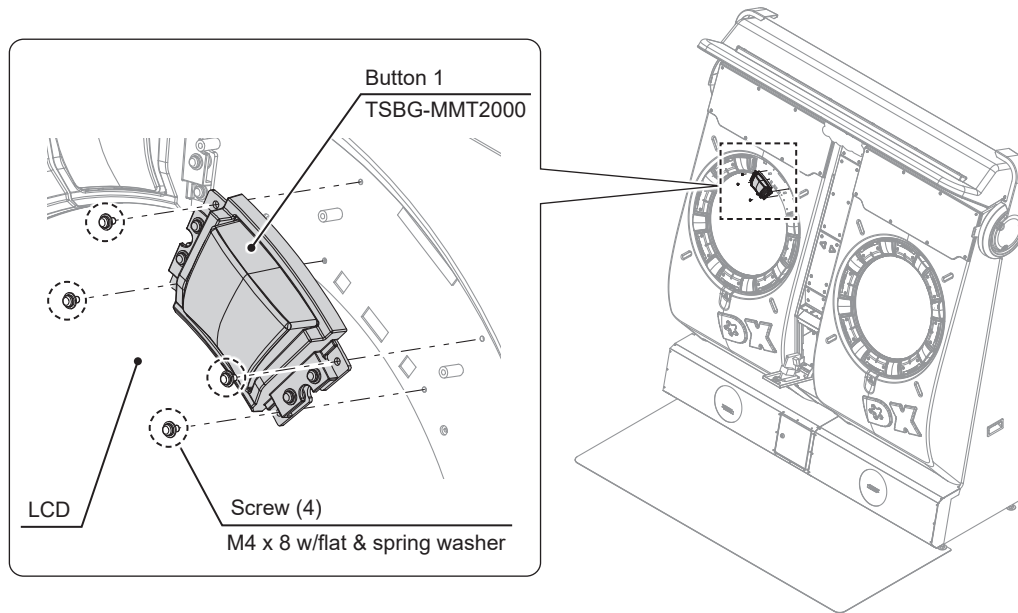
5

 Disconnect one connector.

6

 Remove four screws and take off Button 1.

-
- 7 Attach replacement Button 1 with four screws. When doing this, push Button 1 to center of the LCD and then secure it.



-
- 8 Refer to Steps 3 to 5 and work in reverse order to attach Button 1 and reassemble the cabinet.

-
- 9 Turn the sub power switch ON.

-
- 10 Perform if the button operate normally. (See "3-2 INPUT TEST" in the Service manual.)

12-2

BUTTON GREASING

⚠ CAUTION / ATTENTION

- Grease is harmful if inhaled so make sure to use it in a well-ventilated area.
 - Grease may cause inflammation upon contact with eyes so wear glasses or other protection. If grease gets into contact with eyes, wash the affected area thoroughly with clean water for at least 15 minutes and consult a doctor.
 - Grease may cause inflammation upon contact with skin. Use gloves for protection, and be careful not to let the grease come in contact with bare skin. If grease gets into contact with skin, wash thoroughly with soap and water.
-
- La graisse est nocif si inhalée si vous le faites en sorte que l'utilisation dans une zone bien évaluation.
 - La graisse peut causer l'inflammation sur les yeux pour porter des lunettes ou d'autres protection.Si la graisse est en contact avec les yeux, laver la zone touchée par l'eau propre pour le moins 15 minutes et consulter un médecin.
 - La graisse peut causer l'inflammation au contact avec la peau.Utilisez des gants pour la protection, et soyez prudent de ne pas laisser la graisse. Si la graisse est en contact avec la peau, laver pleinement avec le savon et l'eau.

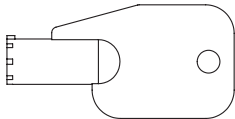
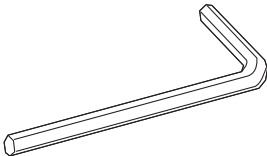
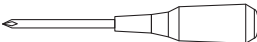
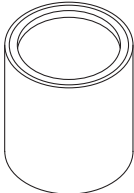
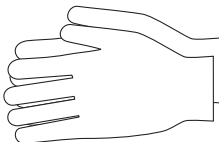
12

STOP

IMPORTANT

- Be sure to use the designated grease. Using undesignated grease can cause parts damage.
- Do not apply grease to locations other than as specified. Doing so may create a risk of operational problems and deterioration of parts.
- The designated periods for greasing serve only as a guide. Whenever there are squeaks or other anomalies, apply grease at designated locations.

Tools Necessary for Work

 Master key (Accessory)	 Hexagonal wrench (For M4)	 Phillips screwdriver (PH2)	 Grease
 Glove			

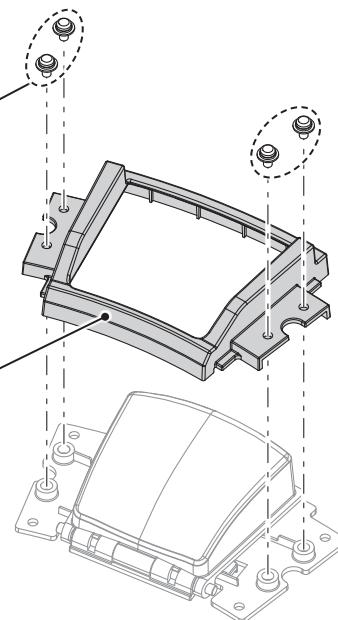
Grease up the following parts once every three months.
Use SOLVEST 248 (PART No.090-0070) grease.

1 Refer to Steps from 1 to 6 in "12-1" and work in the same order.

2 Remove four screws and take off the Switch bezel.

Screw (4)
M4 x 8, w/flat & spring washers

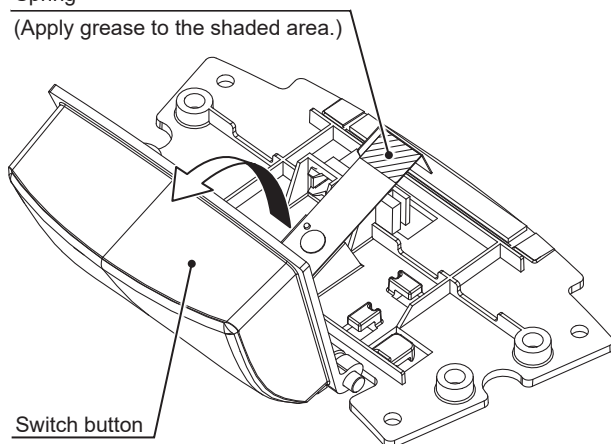
Switch bezel



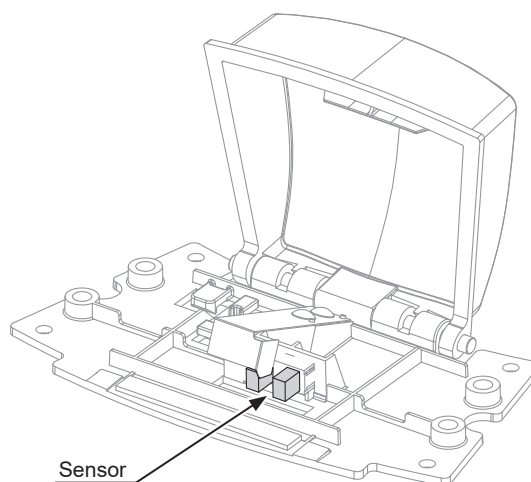
3 Open the Switch button and apply grease to the spring evenly. When doing this, be careful not to apply grease too much and make sure the grease is not applied to the sensor part. If grease is applied to the sensor, wipe it away with a soft cloth.

Spring
(Apply grease to the shaded area.)

Switch button



Sensor



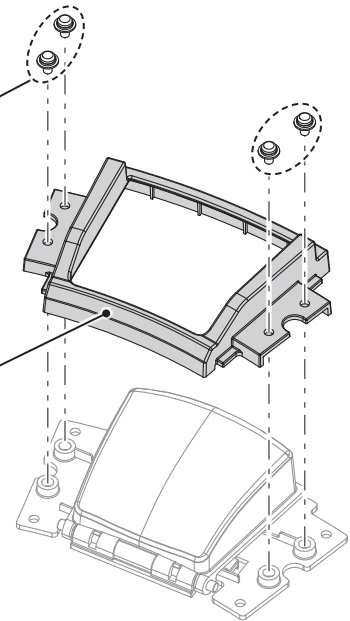
4

Close the Switch button and attach the Switch bezel with four screws.

Screw (4)

M4 x 8, w/flat & spring washers

Switch bezel



5

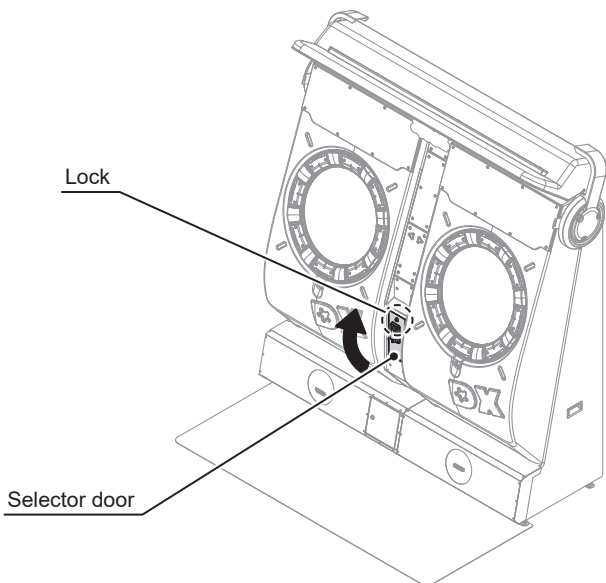
Refer to Steps 3 to 6 in "12-1" and work in reverse order.

6

Close the Selector door and lock it with the master key.

Lock

Selector door



13 COIN SELECTOR

WARNING / AVERTISSEMENT

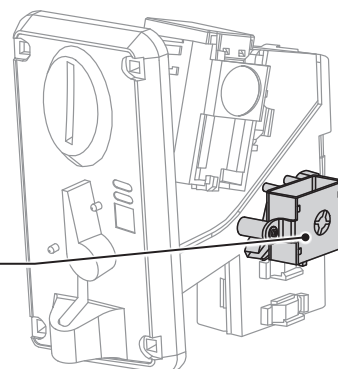
- This work should be performed by site maintenance personnel or other qualified professionals. Work performed by non-technical personnel can cause a severe accident such as an electric shock.
 - Before starting work, be sure to turn the power OFF. Working without turning the power OFF can cause an electric shock, short circuit or fire.
-
- Ce travail devrait être effectué par du personnel d'entretien des lieux ou par d'autres professionnels qualifiés. Le travail effectué par du personnel non technique peut causer un grave accident, comme un choc électrique.
 - Avant de commencer le travail, assurez-vous d'éteindre le courant. Travailler sans éteindre l'alimentation électrique peut provoquer un choc électrique, un court-circuit ou un incendie.

CAUTION / ATTENTION

- 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 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.

Coin blocker solenoid



- Lorsque l'ouverture/fermeture ou d'autres parties, sont prudentes que vos mains ou d'autres parties, ne sont pas prises dans quelque chose.
- Soyez prudent lorsque la manipulation de la pièce du sélecteur de pièce de pièce de pièce, comme ça sera toujours chaud après le pouvoir a été transformé immédiatement après le pouvoir a été transformé.
Attendez que le bloc de pièce de pièce est refroidissement avant de travailler.

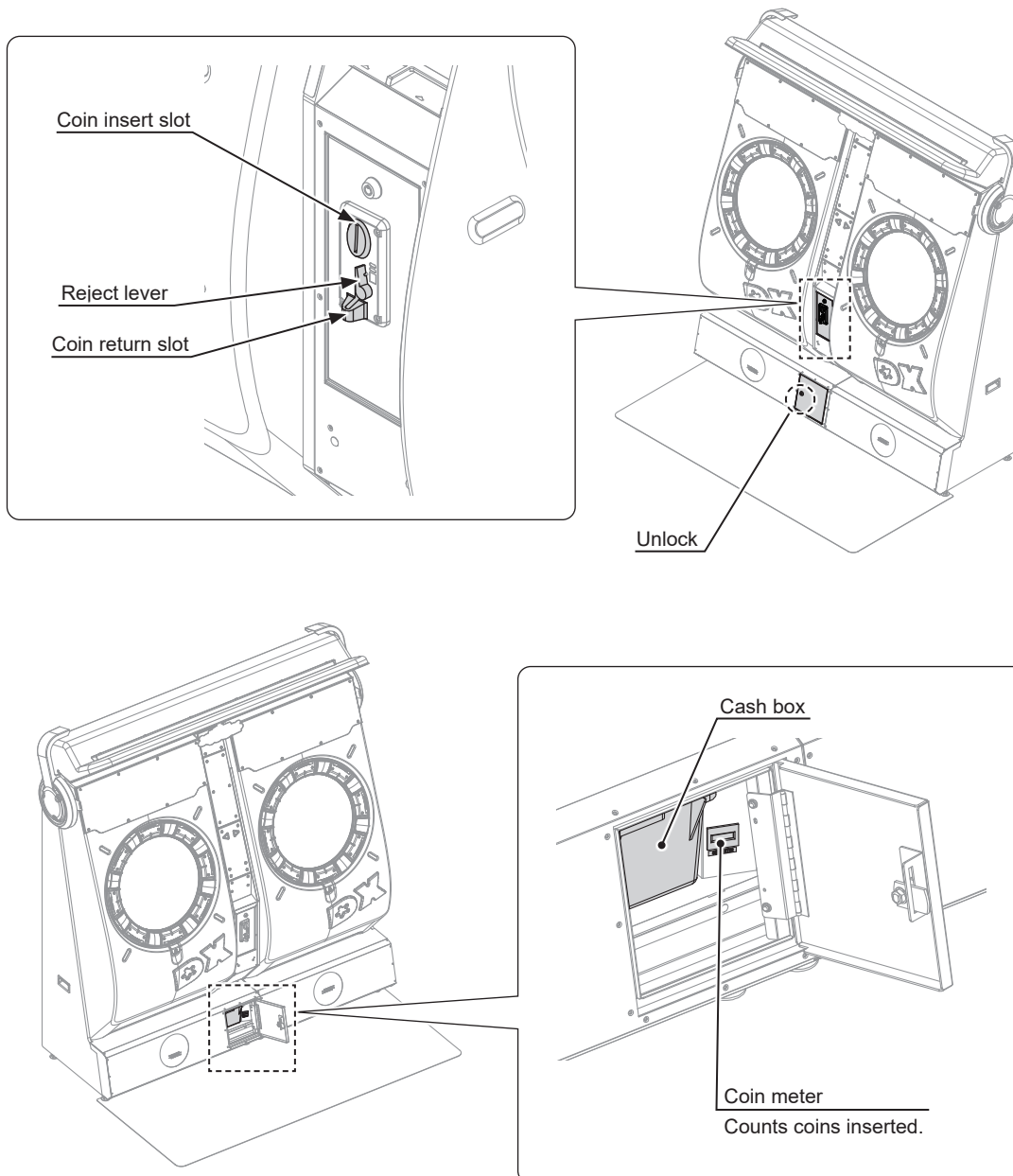
 IMPORTANT

- 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. Never 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.
- Never 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.

13-1 COIN INSERTION TEST

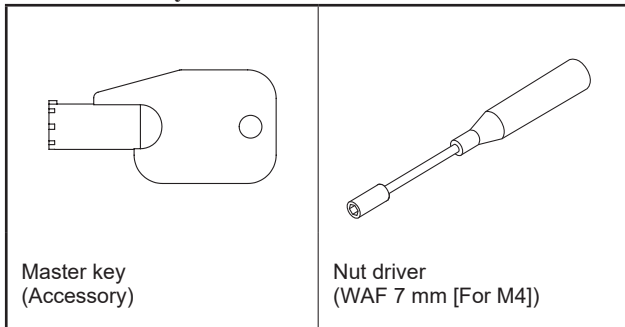
Once a month, perform the following checks and perform a test on the coin blocker in TEST MODE.
(See "3-3 OUTPUT TEST" in the Service Manual.)

- ☐ Does the coin meter count properly?
- ☐ Do coins drop into the Cash box correctly?
- ☐ Are coins rejected when inserted while holding down the reject lever?
- ☐ Are extra coins and incorrect coins properly returned?

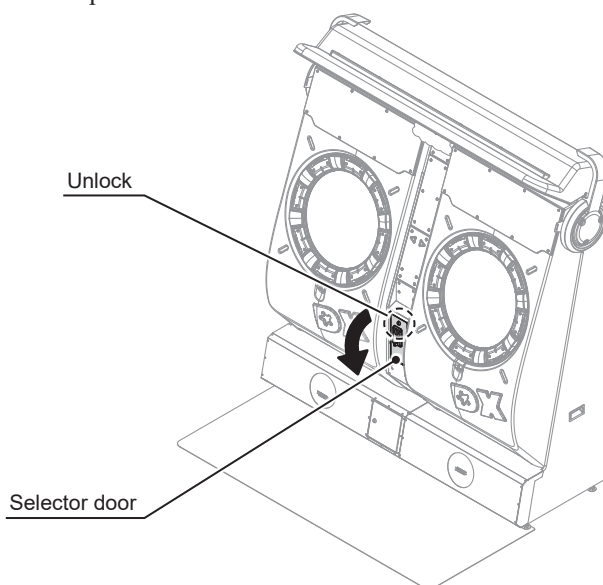


13-2 REMOVING THE COIN SELECTOR

Tools Necessary for Work



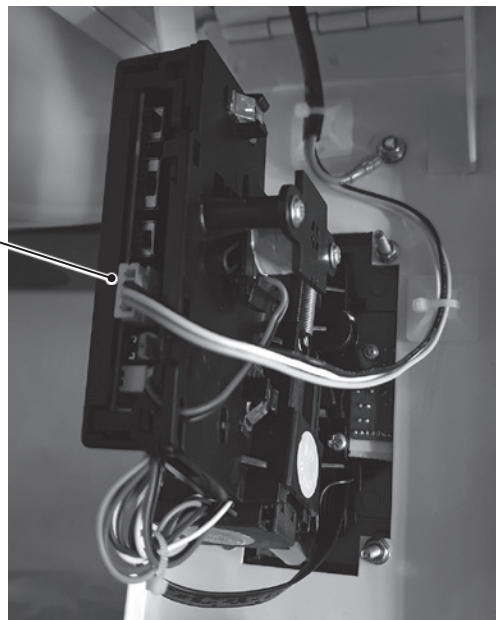
- 1 Unlock the Selector door with the master key and then open it.



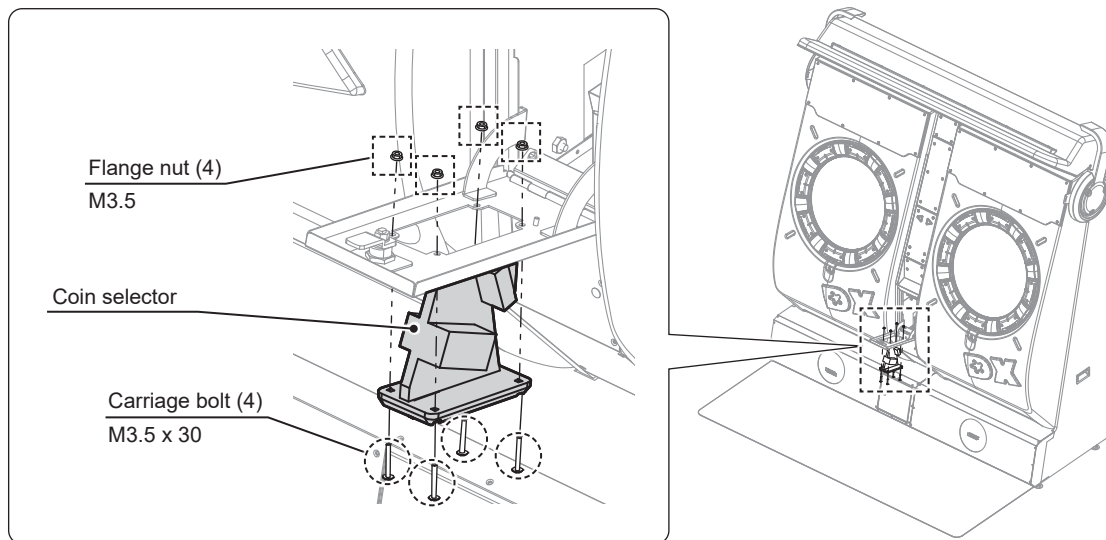
- 2 Turn the sub power switch OFF.

- 3 Disconnect the connector.

Connector (1)
XH4P



- 4 Remove four carriage bolts and four flange nuts and then take off the Selector cover.



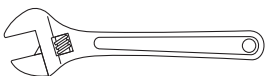
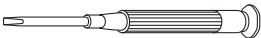
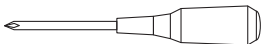
15

REPLACING THE FUSE

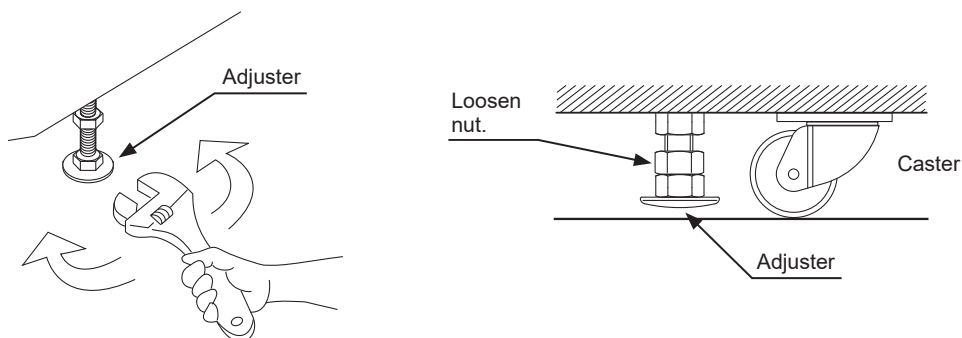
 WARNING / AVERTISSEMENT

- 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.
 - For continued protection against risk of fire, replace only with the same type of fuse having the same electrical ratings. In case fuse replacements other than those stated in this manual are necessary, contact the office listed in this manual or the point-of-purchase for this product for inquiries regarding this matter.
 - Be sure to use fuses meeting specified rating. Using fuses exceeding the specified rating can cause fire and electric shock.
 - After eliminating the cause of the blowing of fuse, replace the fuse. Depending on the cause of fuse blowing, continued use with the fuse as is blown can cause generation of heat and fire hazard.
-
- Ce travail devrait être effectué par du personnel d’entretien des lieux ou par d’autres professionnels qualifiés. Le travail effectué par du personnel non technique peut causer un grave accident, comme un choc électrique.
 - Pour une protection continue contre les risques d’incendie, remplacer seulement par le même type de fusible ayant les mêmes cotes électriques. Si des remplacements de fusibles autres que ceux mentionnés dans le présent manuel sont nécessaires, communiquez avec le bureau mentionné dans le présent manuel ou avec le point d’achat de ce produit pour obtenir des renseignements à ce sujet.
 - Assurez-vous d’utiliser des fusibles conformes à la cote spécifiée. L’utilisation de fusibles dépassant la cote spécifiée peut causer un incendie et un choc électrique.
 - Après avoir éliminé la cause de l’explosion du fusible, remplacer le fusible. Selon la cause de l’explosion des fusibles, l’utilisation continue des fusibles au fur et à mesure qu’ils sont soufflés peut causer des risques de chaleur et d’incendie.

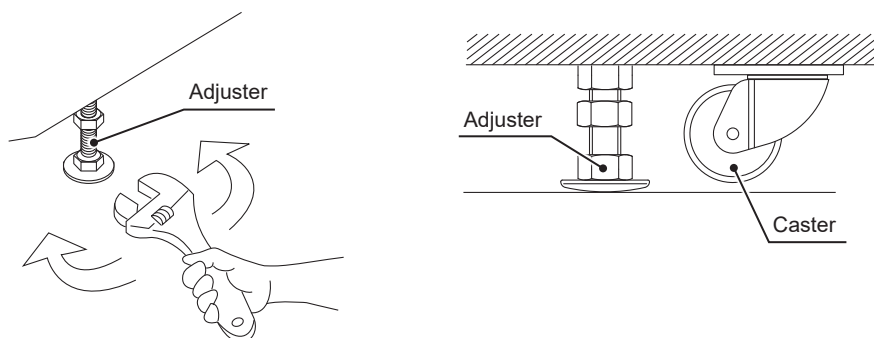
Tools Necessary for Work

		
Spanner (WAF 24 mm)	Precision flat-head screwdriver	Phillips screwdriver (PH2)

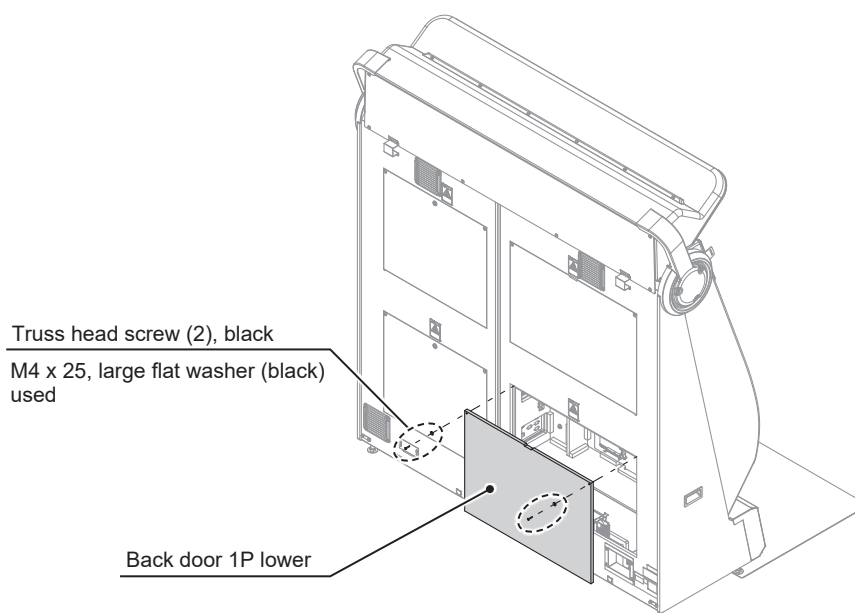
- 1 Turn the main power switch OFF.
- 2 Disconnect the connector of the power cable from the AC inlet.
- 3 Raise the eight adjusters on the bottom of the cabinet and have the eight casters contact the floor..



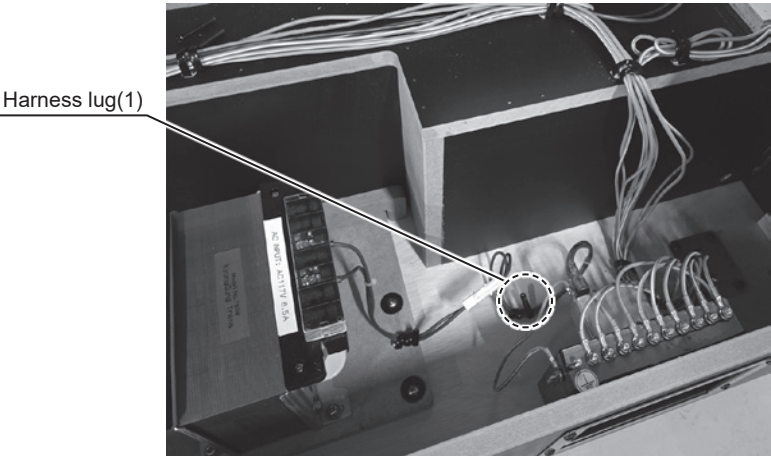
- 4 Move the cabinet to a place with a work space measuring at least 1.5 m in the front, back, left, and right.
- 5 Bring the eight adjusters into direct contact with the floor.



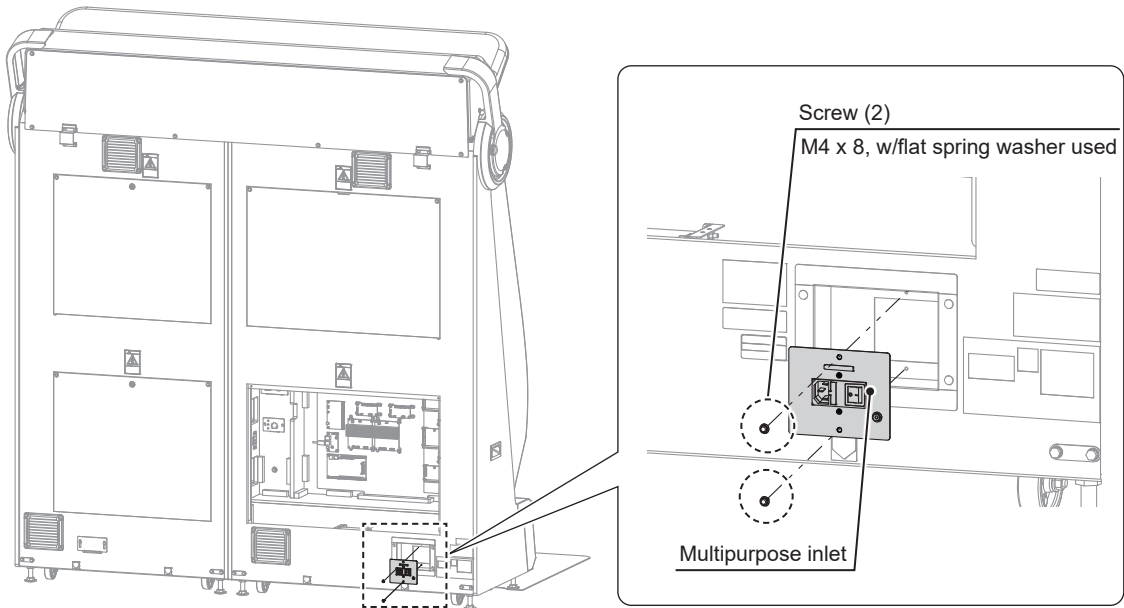
- 6 Remove two truss head screws and take off Back door 1P (lower).



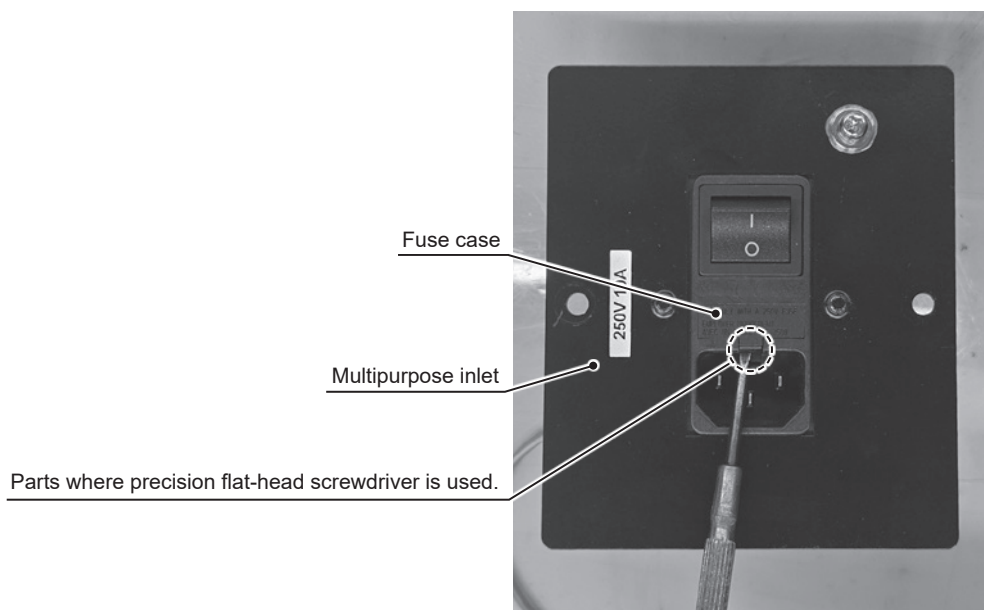
7 Undo a harness lug.



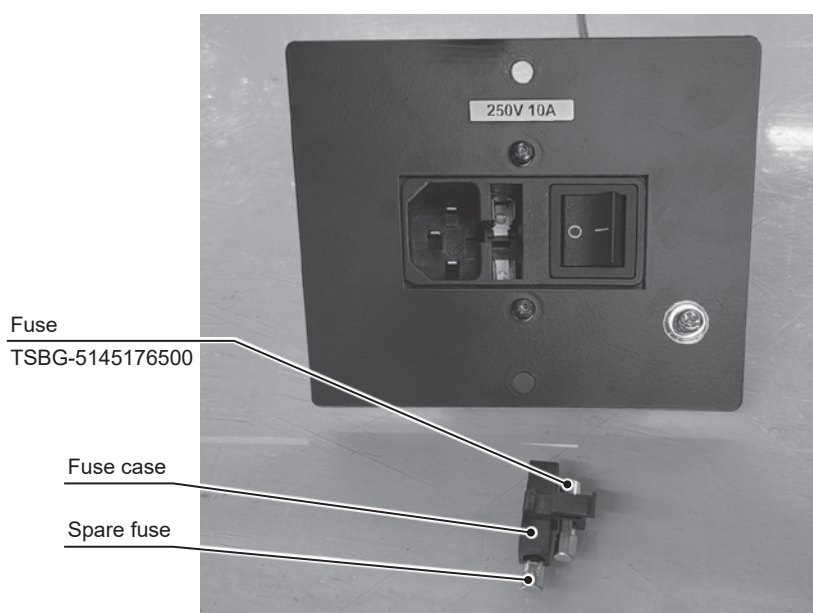
8 Remove two screws and take off the Multipurpose inlet. When doing this, be careful not to damage the cables.



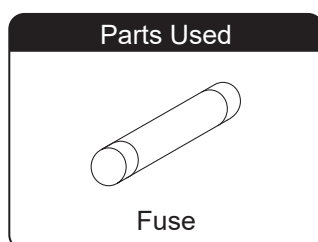
- 9 Use a precision flat-head screwdriver to take off the Fuse case from the Multipurpose inlet. When reattaching the Fuse case, push it in until it clicks into place.



- 10 Take off the fuse.



- 11 Refer to Steps from 2 to 10 and work in reverse order to attach the replacement fuse, supplied with the cabinet, and reassemble the cabinet.



16 ALLS HX2.1

WARNING / AVERTISSEMENT

- 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, be sure to turn the power OFF. Working without turning the power OFF can cause an electric shock, short circuit or fire.
- Do not expose the ALLS HX2.1 or other boards. Failure to observe this can cause an electric shock or malfunction.
- No connectors other than those connected on the ALLS HX2.1 when first delivered can be used by this product. Do not connect any other cables to any of the unused connectors. This may lead to the generation of heat, smoke or burn outs.
- When returning the ALLS HX2.1 after making repairs or replacements, make sure that there are no errors in the connection of connectors. Erroneous connections can lead to electrical shock, short circuits or fires.
- 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.

- Ce travail devrait être effectué par du personnel d'entretien des lieux ou par d'autres professionnels qualifiés. Le travail effectué par du personnel non technique peut causer un grave accident, comme un choc électrique.
- Avant de commencer le travail, assurez-vous d'éteindre le courant. Travailler sans éteindre l'alimentation électrique peut provoquer un choc électrique, un court-circuit ou un incendie.
- N'exposez pas les panneaux ALLS HX2.1 ou autres. Le défaut d'observation peut provoquer un choc électrique ou un dysfonctionnement.
- Aucun connecteur autre que ceux connectés sur l'ALLS HX2.1 lors de la première livraison ne peut être utilisé par ce produit. Ne connectez aucun autre câble à aucun des connecteurs inutilisés. Cela peut entraîner la production de chaleur, de fumée ou d'épuisement.
- Lorsque vous retournez l'ALLS HX2.1 après avoir effectué des réparations ou des remplacements, assurez-vous qu'il n'y a pas d'erreurs dans la connexion des connecteurs. Des connexions erronées peuvent entraîner des chocs électriques, des courts-circuits ou des incendies.
- Faites attention à la direction lorsque vous connectez les connecteurs. Le connecteur doit être branché dans la bonne direction. S'il est relié dans la mauvaise direction ou sans discrimination à une inclinaison de sorte qu'une charge soit appliquée, le connecteur ou ses broches terminales peuvent se briser, causant un choc électrique, un court-circuit ou un incendie.

 CAUTION / ATTENTION

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

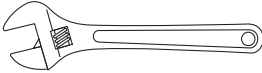
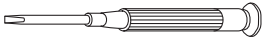
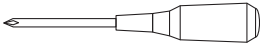
Lorsque vous ouvrez, fermez ou attachez ou enlevez des portes ou d'autres parties, veillez à ce que vos mains ou vos doigts ne soient pas pris dans quoi que ce soit.

 IMPORTANT

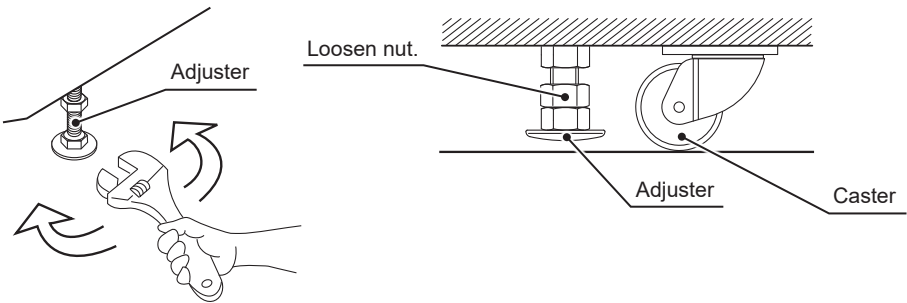
- Static electricity from your body may damage some electronics devices on the IC board. Before handling the IC board, touch a grounded metallic surface so that the static electricity can be discharged.
- When requesting replacement or repair of the ALLS HX2.1, pack it securely so that it will not get damaged during shipping.
- When turning the server machine's main power switch OFF during operating hours, ensure that there are no players using the connected cabinets before doing so. Once the main power switch is turned OFF, network transmissions are no longer possible.
Furthermore, start the server machine before powering up each connected cabinet. If the server machine is started afterward, the in-store network may not operate correctly.

16-1 REMOVING THE ALLS HX2.1

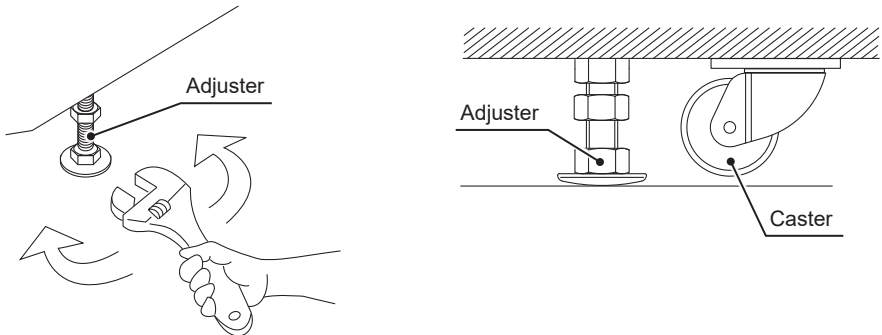
Tools Necessary for Work

		
Spanner (WAF 24 mm)	Precision flat-head screwdriver	Phillips screwdriver (PH2)

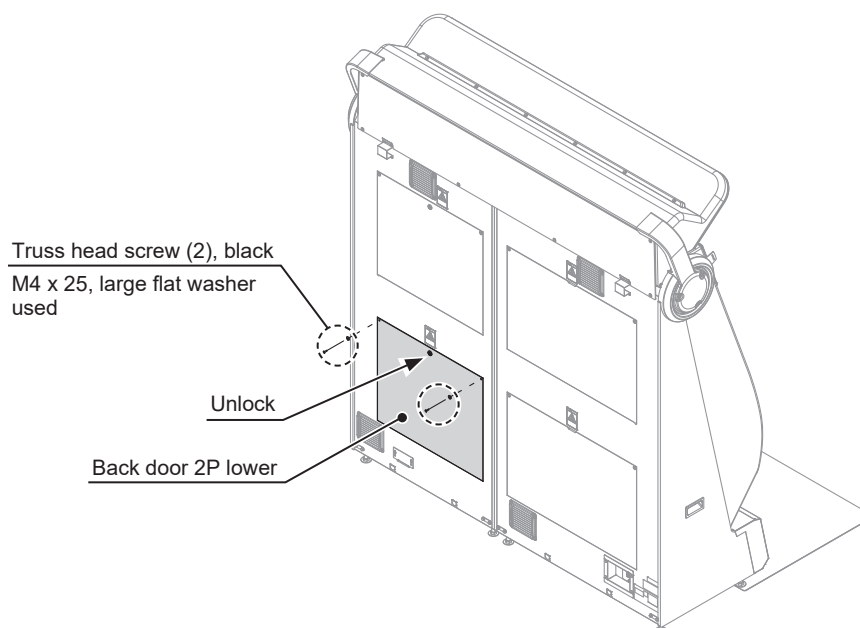
- 1 Turn the main power switch OFF.
- 2 Loosen the eight nuts to raise the eight adjusters on the bottom of the cabinet and have the eight casters contact the floor.



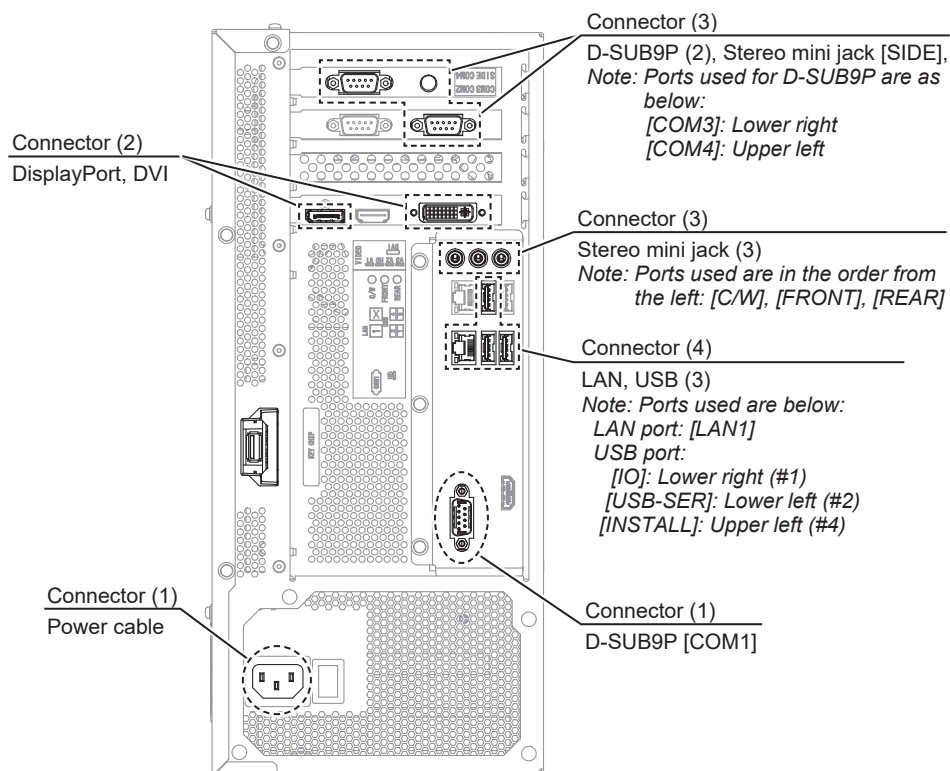
- 3 Move the cabinet to a place with a work space measuring at least 1.5 m in the front, back, left, and right.
- 4 Bring the eight adjusters into direct contact with the floor.



- 5 Remove the two truss head screws. Unlock the Back door 2P lower with the master key and then take it off.



- 6 Disconnect the 14 connectors from the ALLS HX2.1.
When doing this,
- Loosen the fixing screws of the DVI, D-SUB9P connectors before disconnecting.
 - Use a precision flat-head screwdriver on the D-SUB9P connector.
 - Take off the DisplayPort as pressing the tabs.



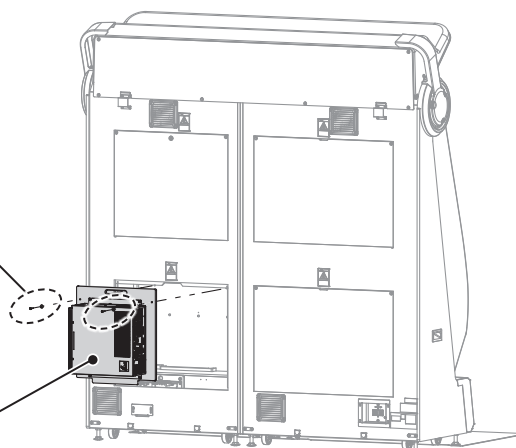
7

Remove the two screws and take off the ALLS HX2.1 unit.

Screw (2)

M4 x 25, w/flat & spring washers
large flat washer used

ALLS HX2.1 unit

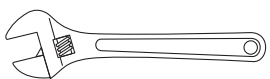
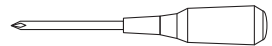
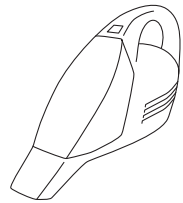


16-2 CLEANING THE ALLS HX2.1

STOP IMPORTANT

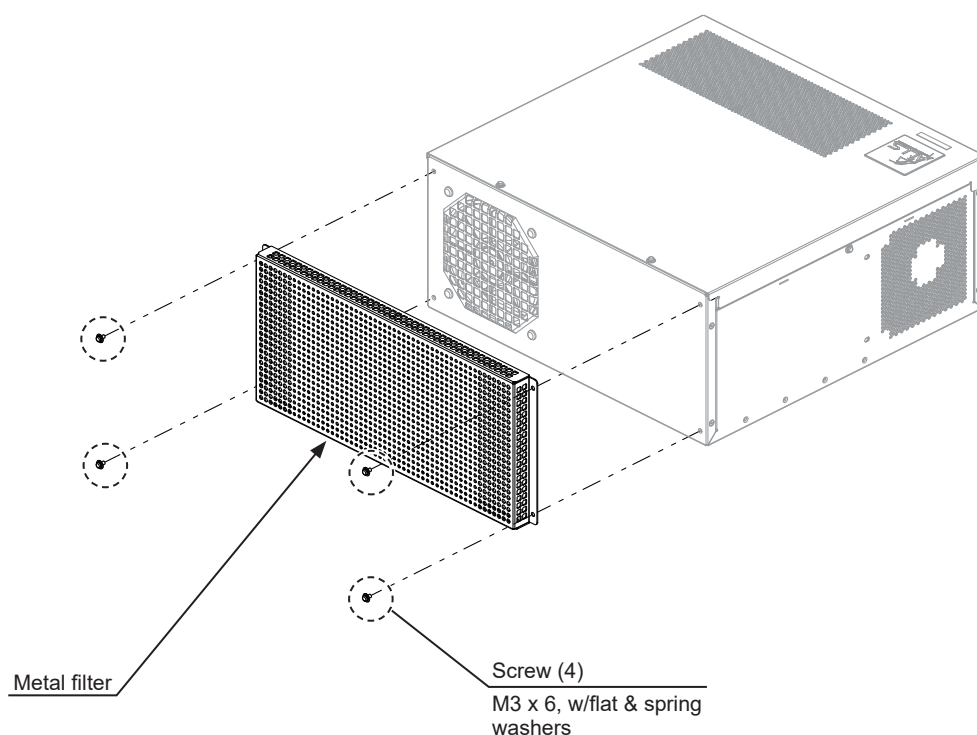
- Clean the ALLS HX2.1 once a year or when "Error 0091" is displayed. If dust accumulates inside the ALLS HX2.1, it could lead to malfunction and other trouble.
- The parts, software, settings, etc. are different for each ALLS HX2.1. After cleaning, be sure to put the ALLS HX2.1 back into the cabinet it was taken from. If it is put back into the wrong cabinet, it could lead to malfunctions or other problems.

Tools Necessary for Work

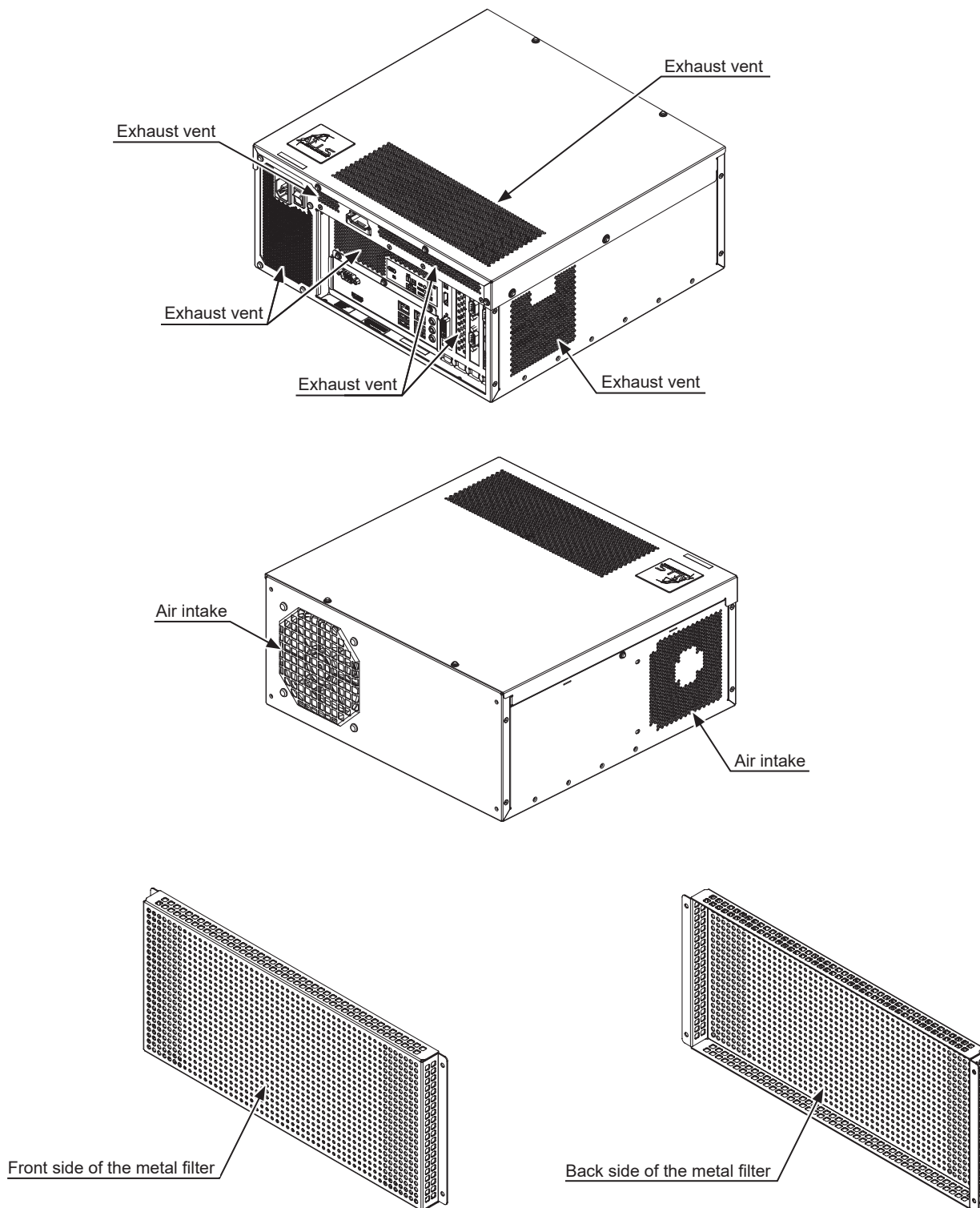
 Spanner (WAF 24 mm)	 Precision flat-head screwdriver	 Phillips screwdriver (PH1, PH2)	 Vacuum cleaner
--	--	---	---

1 Refer to "16-1" and take off the ALLS HX2.1.

2 Remove the two screws and take off the ALLS HX2.1 metal filter. The screws are on the opposite side of the connector face.



-
- 3 Clean the front and back of the metal filter and the area around the ALLS HX2.1 exhaust and intake vents with a vacuum cleaner.



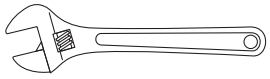
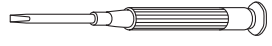
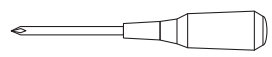
-
- 4 Clean around installment parts of ALLS HX2.1 in the cabinet with a vacuum cleaner. Be careful not to damage the cables.

-
- 5 Refer to Step 2 and work in reverse order to attach the metal filters.

-
- 6 Refer to "16-1" and work in reverse order to attach the ALLS HX2.1.

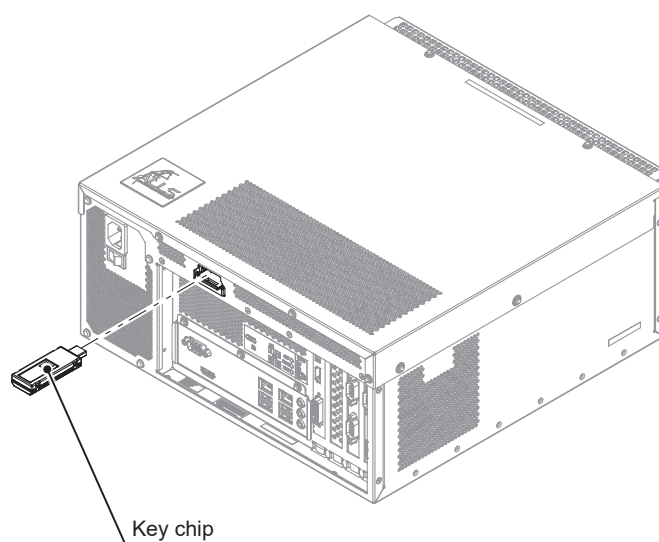
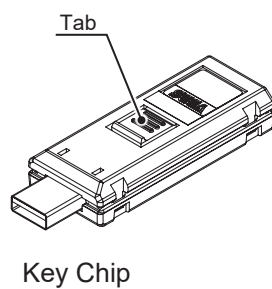
16-3 REPLACING THE ALLS HX2.1

Tools Necessary for Work

		
Spanner (WAF 24 mm)	Precision flat-head screwdriver	Phillips screwdriver (PH2)

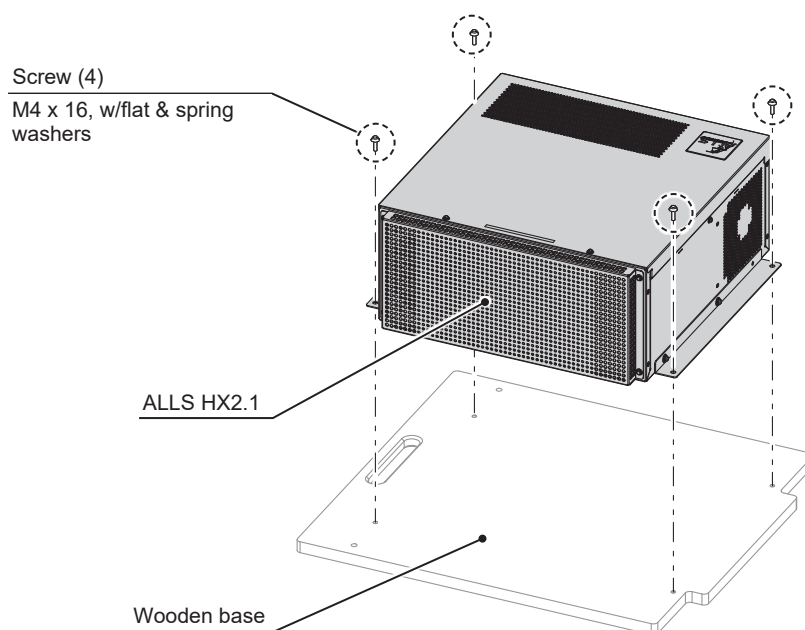
1 Refer to "16-1" and take off the ALLS HX2.1.

2 Remove the key chip from the ALLS HX2.1 When doing this, press the tab and take it off.



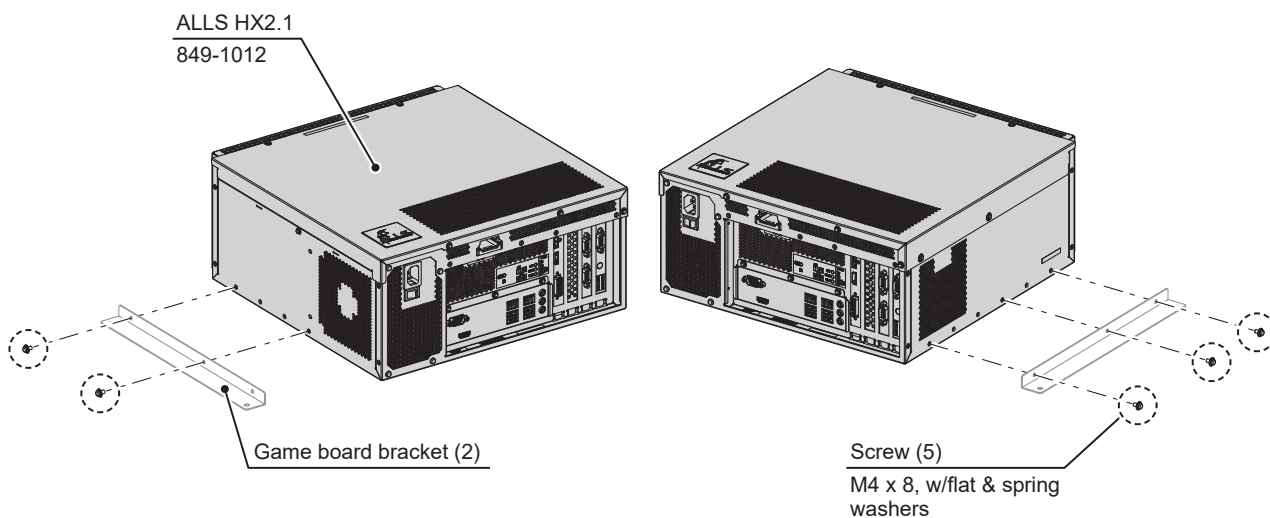
3

Remove four screws and take off the wooden base from the ALLS HX2.1.



4

Remove five screws and take off the Game board bracket from the ALLS HX2.1.



5

Refer to Steps from 1 to 4 and work in reverse order to attach the replacement ALLS HX2.1 and reassemble the cabinet.

17 MULTIPURPOSE BRACKET

STOP IMPORTANT

When using the multipurpose bracket (this bracket), be sure to display the smartphone stand caution label available for download from our website. (<https://segaarcade.com/>)

This section explains how to attach the multipurpose bracket, which supports the installation of photo and video recording equipment.

Stores must provide their own equipment.

Please read the following disclaimer before using this bracket.

Disclaimer

Please understand that we cannot be held responsible for the following ;

- any damage caused by using this bracket
- any theft or damage to this bracket and/or connected items

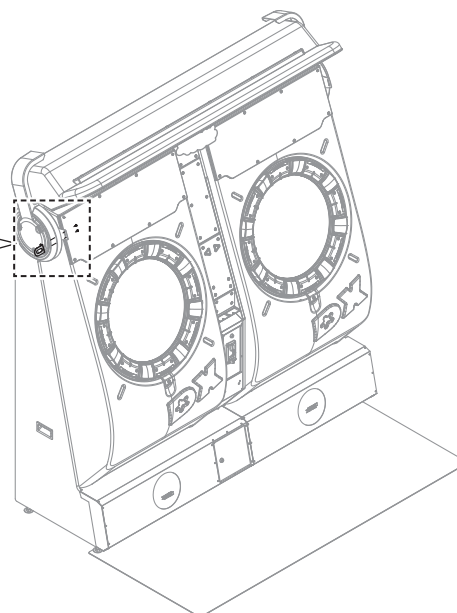
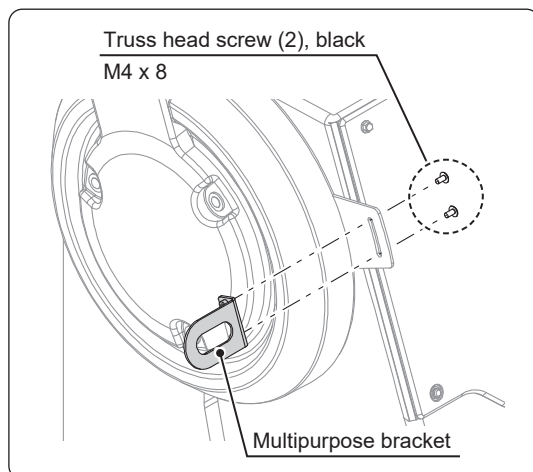
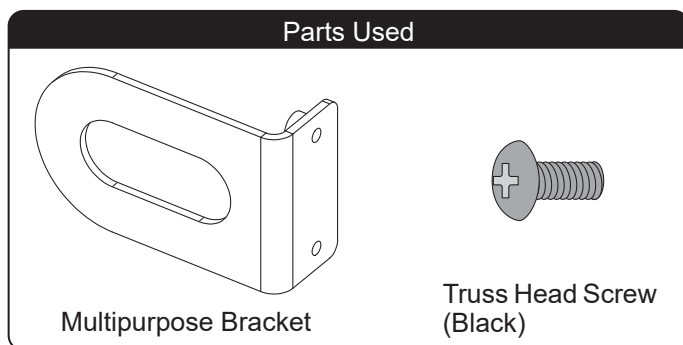
Precautions When Handling Connected Items

- Place the connected item in a location where it cannot be accessed by players and spectators.
- Be sure to attach the connected item securely so that it does not fall off.

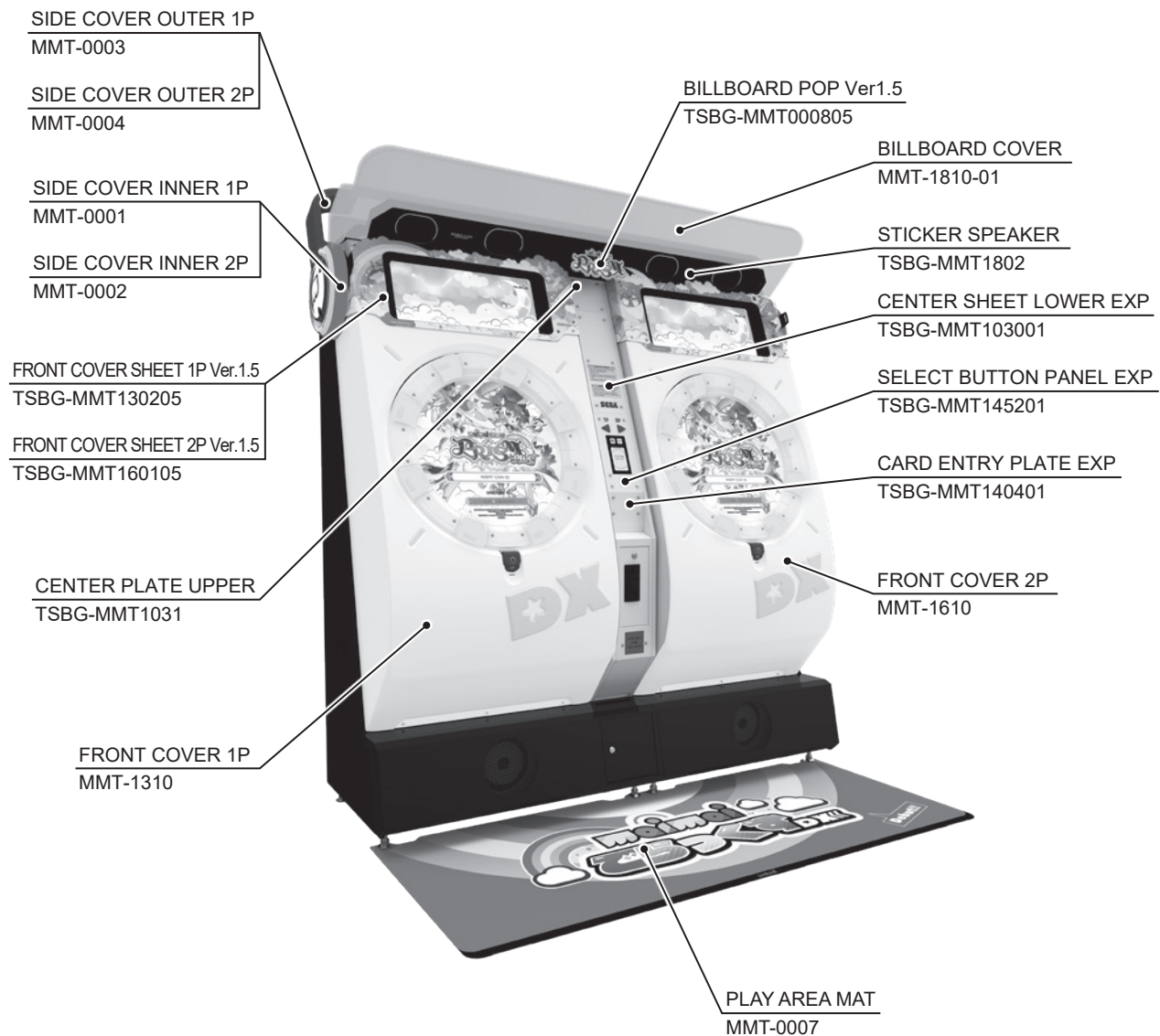
How to Attach

Attach the Multipurpose bracket with two truss head screws, supplied with the Cabinet.

The figure below explains with Cabinet 1P, work on the Cabinet 2P with the same steps.



18 DESIGN RELATED PARTS



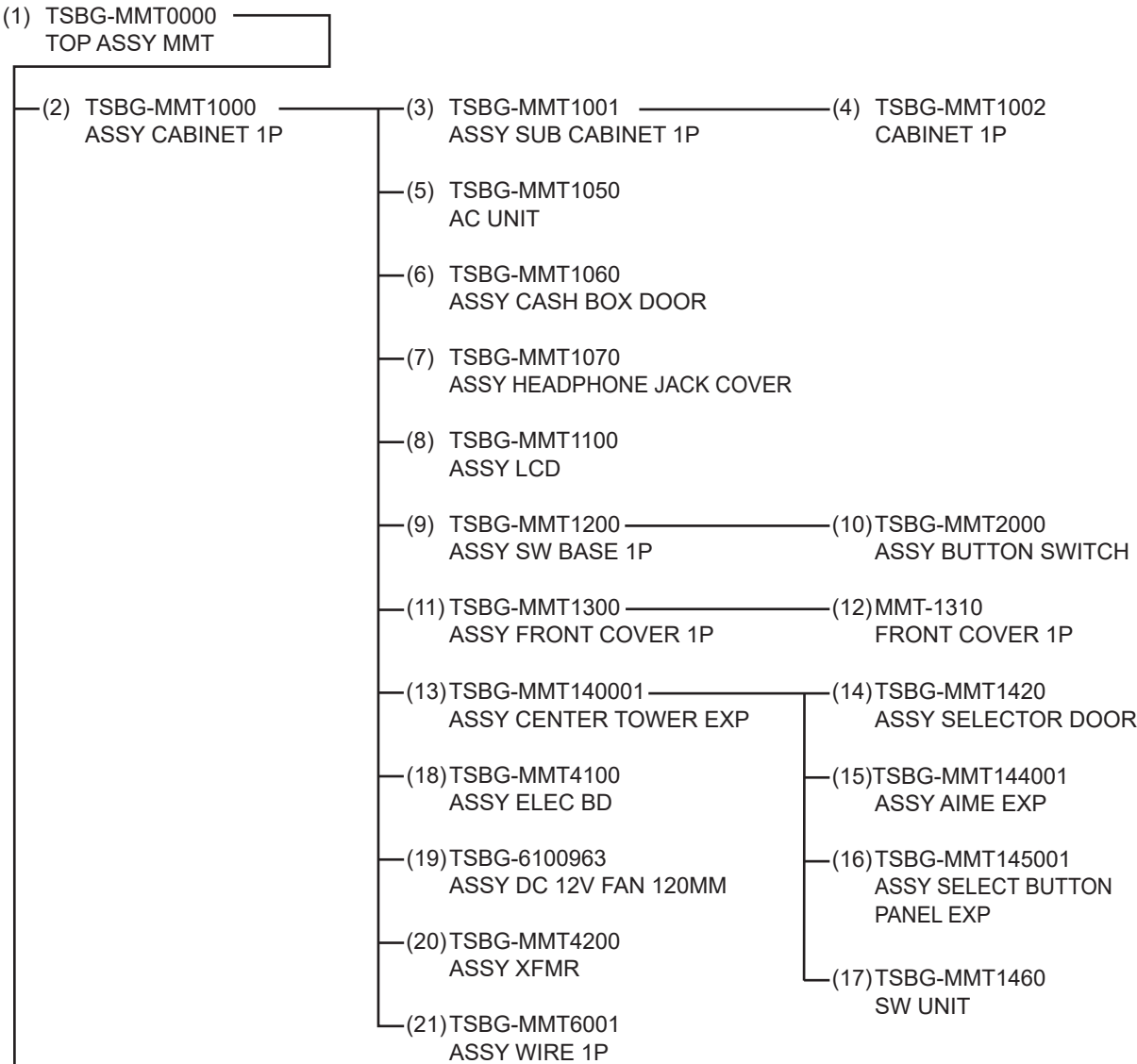
19

PARTS LIST

19-1

CABINET

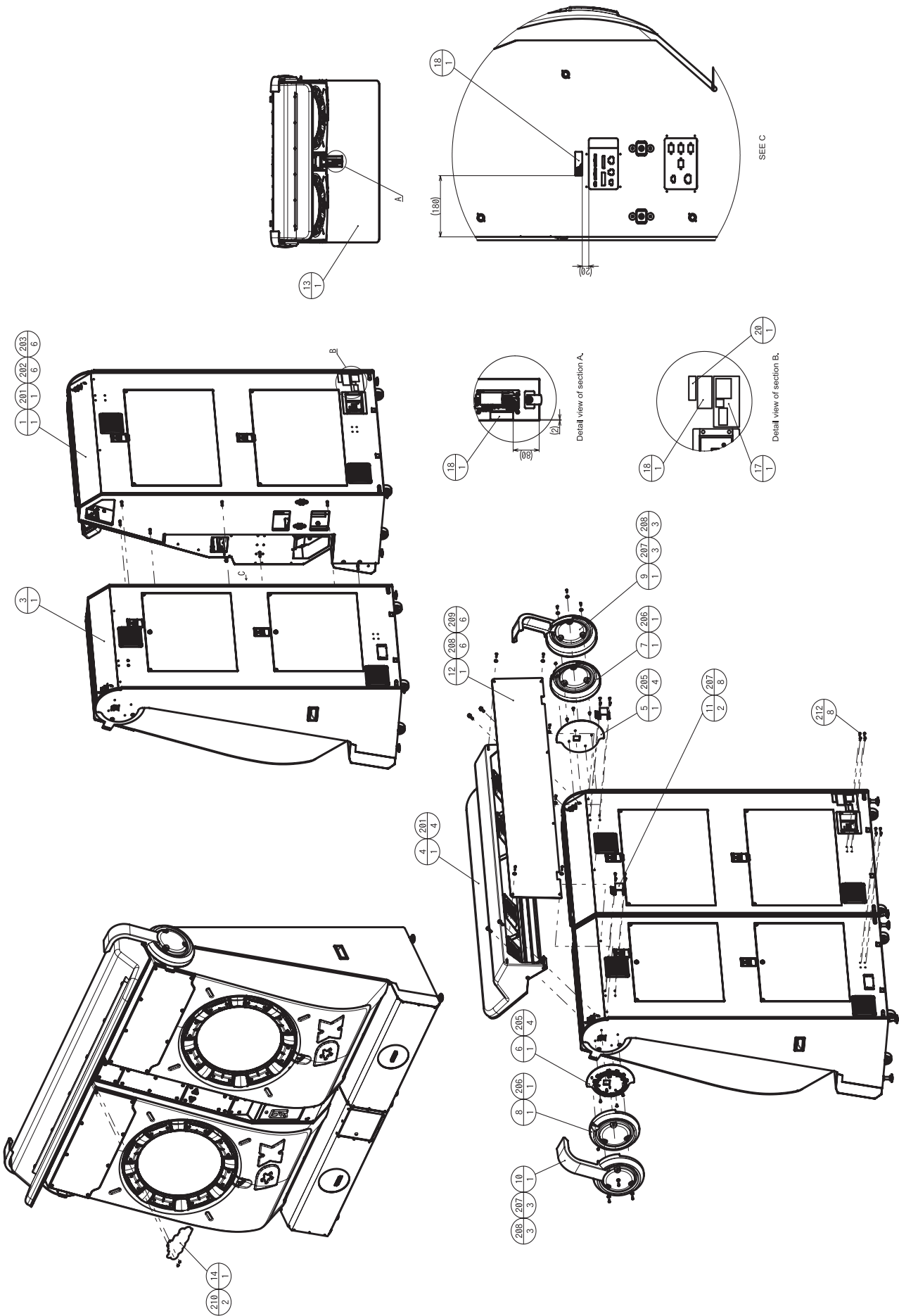
List Formation Chart





(1) TSBG-MMT0000
TOP ASSY MMT

(D-1/2)



(1) TSBG-MMT0000
TOP ASSY MMT

(D-2/2)

Item No.	Part No.	Description	Note	Q/U
1	TSBG-MMT1000	ASSY CABINET 1P		
3	TSBG-MMT1500	ASSY CABINET 2P		
4	TSBG-MMT180001	ASSY BILLBOARD		
5	TSBG-MMT1900	ASSY SIDE COVER BASE 1P		
6	TSBG-MMT1950	ASSY SIDE COVER BASE 2P		
7	MMT-0001	SIDE COVER INNER 1P		
8	MMT-0002	SIDE COVER INNER 2P		
9	MMT-0003	SIDE COVER OUTER 1P		
10	MMT-0004	SIDE COVER OUTER 2P		
11	TSBG-MMT0005	REAR PLATE BRKT		
12	TSBG-MMT0006	REAR PLATE		
13	MMT-0007	PLAY AREA MAT		
14	TSBG-MMT000805	BILLBOARD POP VER 1.5		
15	TSBG-MMT0009	STICKER CABLE AND PANEL		
24	TSBG-42111709	STICKER_AAMA RATING		
201		HEX SEMS BLK M8x35		
202		HEX SEMS M8x50		
203		FLT WSHR 8.5-22 X1.6		
205		SEMS M4x16		
206		FLG NUT M4		
207		TROX BLK M4x16		
208		FLT WSHR BLK 4.4-16x1.6		
209		TROX BLK M4x25		
210		TROX BLK M4x8		
212		TROX BLK M6x16		
301	TSBG-6008205	AC CABLE CONNECT TYPE 10A W/E		
402	TSBG-22057932A1	KEY MASTER WD-701		
403	TSBG-5145176500	FUSE 5X20 10A 250V		
404	TSBG-6007269100	ASSY LAN CABLE 1000CM		
405	610-0880	ASSY TOUCH PANEL TEST TOOL		
406	TSBG-MMT0010	OPTION BRKT		
407	TSBG-MMT0011	COIN SELECTOR COVER		
408	TSBG-4211427401	INSTR SH MMT OPTION PARTS ENG		
409	TSBG-60069722500	WIRE HARN EARTH ID5 2500MM		
410	TSBG-6100881	HEAGONAL WRENCH (FOR M4)		
411	TSBG-42114USCAN	INSTR SH WARNING FOR US&CANADA		

(D-1/3)

Note 1. Apply thread locker to 3 5 6 10 18 28

**(2) TSBG-MMT1000
ASSY CABINET 1P**

(D-2/3)

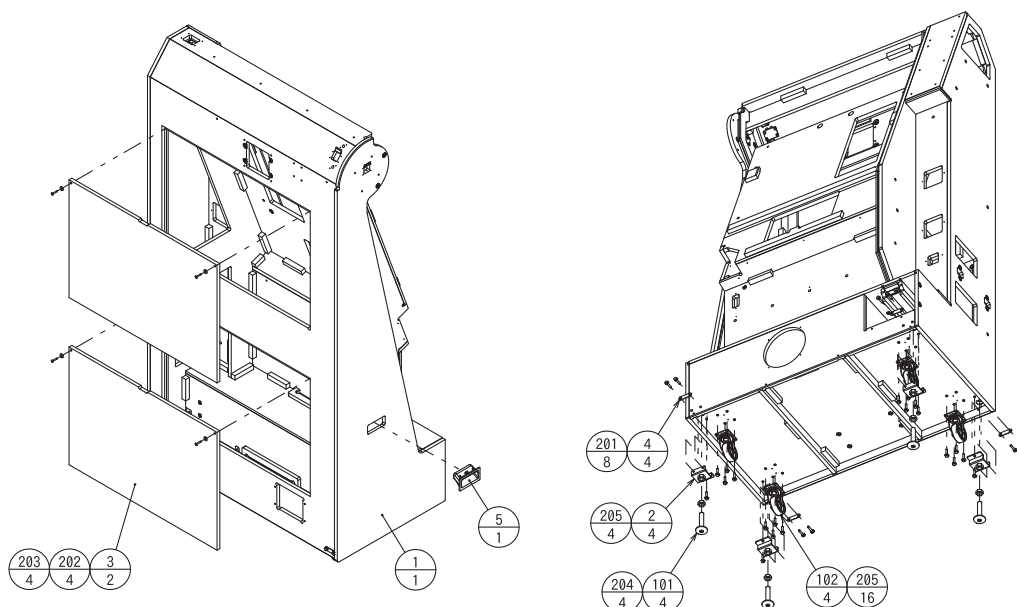
Item No.	Part No.	Description	Note	Q/U
1	TSBG-MMT1001	ASSY SUB CABINET 1P		
2	TSBG-MMT1050	AC UNIT		
3	TSBG-MMT1060	ASSY CASH BOX DOOR		
4	TSBG-MMT1070	ASSY HEADPHONE JACK COVER		
5	TSBG-MMT1100	ASSY LCD		
6	TSBG-MMT1200	ASSY SW BASE 1P		
7	TSBG-MMT1300	ASSY FRONT COVER 1P		
8	TSBG-MMT140001	ASSY CENTER TOWER EXP		
9	TSBG-MMT4100	ASSY ELEC BD		
10	TSBG-6100963	ASSY DC 12V FAN 120MM		
11	TSBG-MMT1020	JOINT PIN 1P BRKT		
12	TSBG-MMT1021	CABINET EDGE COVER		
13	TSBG-MMT1022	FRONT LED CONN PLATE		
14	TSBG-MMT1023	CENTER TOWER CONN BRKT LOWER		
15	TSBG-MMT1024	CENTER TOWER CONN BRKT MIDDLE		
16	TSBG-MMT1025	CENTER TOWER CONN BRKT UPPER		
17	TSBG-MMT1026	COIN METER BRKT		
18	TSBG-MMT1027	FOOT COVER 1P		
19	TSBG-MMT1028	FRONT COVER SASH		
20	TSBG-MMT1029	CENTER PLATE LOWER		
21	TSBG-MMT103001	CENTER SHEET LOWER EXP		
22	TSBG-MMT1031	CENTER PLATE UPPER		
24	TSBG-MMT1033	CABINET INNER REFLECTOR 1P		
25	TSBG-MMT1034	CABINET INNER REFLECTOR REAR		
26	TSBG-MMT1035	FRONT LED BRKT LOWER		
27	TSBG-MMT1036	FRONT LED BRKT UPPER		
28	TSBG-MMT1037	SIDE COVER REFLECTOR 1P		
29	253-5417	CASH BOX LOW		
30	253-5460-01	AIR VENT BLACK		
31	TSBG-421659101	STICKER COIN METER		
33	TSBG-42111416	STICKER CAUTION FORK		
34	TSBG-440WS0002Y	STICKER W POWER OFF ENG		
35	TSBG-MMT4200	ASSY XFMR		
101	130-5280-01	WOOFER 4OHM 80W		
102	TSBG-220579801	MAG CNTR 4P		
103	280-8001	CLAMP LWSM-0511 CLEAR NIX		
104	TSBG-39072440525	LED TAPE WHITE M3528W-A 0525MM		
105	TSBG-39072440675	LED TAPE WHITE M3528W-A 0675MM		
106	TSBG-5096386VB	SW ROCKER KCD4-201JK		
107	TSBG-2805207	CORD CLAMP LF94-1		
108	TSBG-2806676	CABLE MOUNT CL-3		
110	TSBG-2805275S10	METAL CLAMP DAMC-102		
201		TROX BLK M4x16		
202		SEMS NI M4x8		
203		HEX SEMS BLK M6x30		

**(2) TSBG-MMT1000
ASSY CABINET 1P**

(D-3/3)

Item No.	Part No.	Description	Note	Q/U
204		FLT WSHR 6.5-20 X1.6		
205		WRENCH SEMS M4x20		
206		FLT WSHR NI 4.4-16x1.6		
207		SEMS M4x35		
208		SEMS M4x16		
209		TAP SCR TH 4.0x12		
210		M SCR FH BLK M4x12		
211		TAP SCR TH #1 BLK 4x12		
216		FLG NUT M4		
217		SEMS M5x35		
218		FLT WSHR 5.5-20 X1.6		
219		TAP SCR TH 3.5x12		
220		HEX SEMS M6x30		
301	TSBG-MMT6001	ASSY WIRE 1P		
303	TSBG-MMT60004	WH AC 2		
304	TSBG-MMT60029	WH EXT WHITE LED 1P		
305	TSBG-MMT60033	WH EXT FAN 1P		
306	TSBG-6008245	AC CABLE VL3P 7A W/E (HH04028-3006B)		
310	TSBG-6008272100	CA USB3.0 A-A(F) FOR PNL 100CM (NMC-UF310SW)		
311	TSBG-6008343200	CA DP TO DVI-D/M PSIV 200CM (X0194016)		
312	TSBG-6007357050	CA USB TYPE A-MINIB 050CM (NMC-UM2075)		
313	TSBG-MMT6000401	WH AC OUT (110V)		
314	TSGB-60071572700	WIRE HARN EARTH ID5 40U 2700MM		

(3) TSBG-MMT1001 ASSY SUB CABINET 1P



The tightening torque for (101) part must be $11\pm 1\text{N}\cdot\text{m}$.

Item No.	Part No.	Description	Note	Q/U
1	TSBG-MMT1002	CABINET 1P		
2	TSBG-MMT1007X	LEG BRKT		
3	TSBG-MMT1008	BACK DOOR 1P		
4	TSBG-117523391	PLATE LEG BRACKET BLACK		
5	TSBG-253539691	CABINET HANDLE		
101	TSBG-6015699X	LEG ADJUSTER BOLT M16x75		
102	601-11223	CASTER 75 PAU		
201		HEX SEMS BLK M6x30		
202		TROX BLK M4x25		
203		FLT WSHR BLK 4.4-16x1.6		
204		HEX NUT TYPE3 M16		
205		SEMS NI M6x25		

(D-1/2)

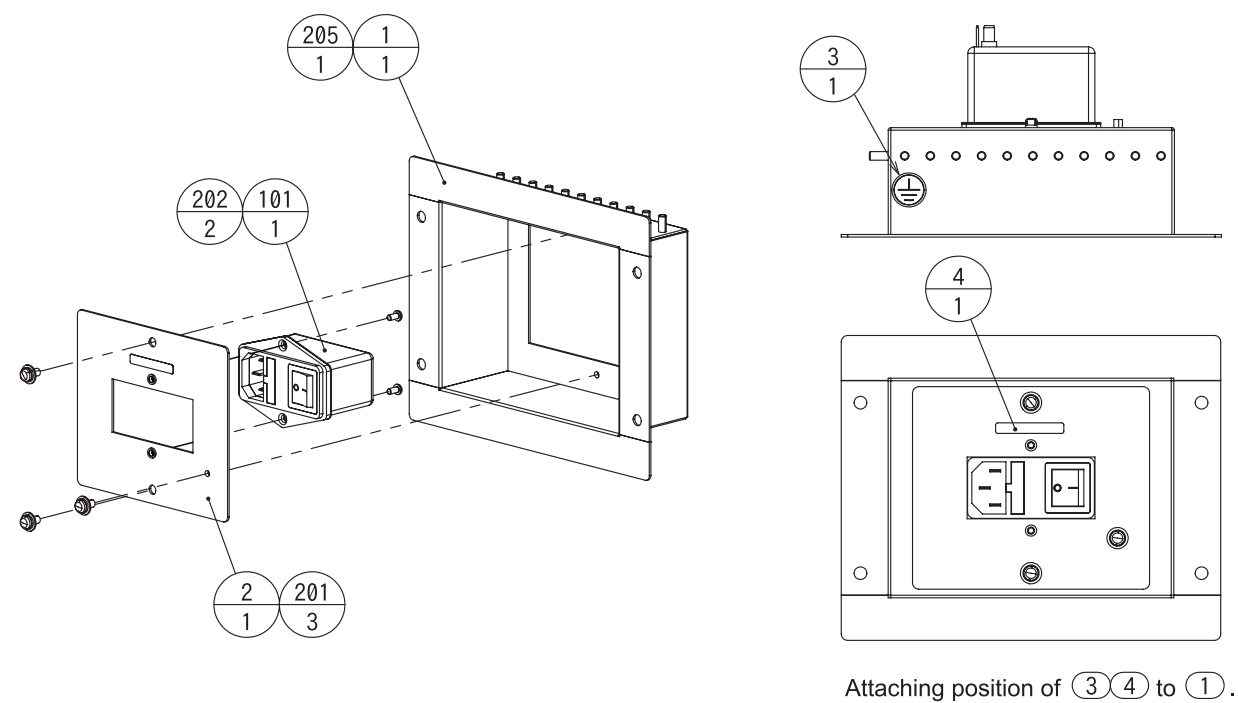


**(4) TSBG-MMT1002
CABINET 1P****(D-2/2)**

Item No.	Part No.	Description	Note	Q/U
1	TSBG-MMT1002-A	CABINET 1P BLANK		
2	TSBG-MMT1003	BILLBOARD HOLD BRKT		
3	TSBG-MMT1004	BILLBOARD CONN PLATE		
4	TSBG-MMT1005	SIDE COVER BASE CONN BRKT		
5	TSBG-MMT1006	PLAYER CAMERA CONN BRKT		
6	TSBG-CNI1008X	LOCK BRKT		
7	TSBG-CTF1104	CASTER NUT PLATE		
8	TSBG-1175463	NUT PLATE M8		
201		TAP SCR TH 4.0x12		
203		SEMS M4x25		

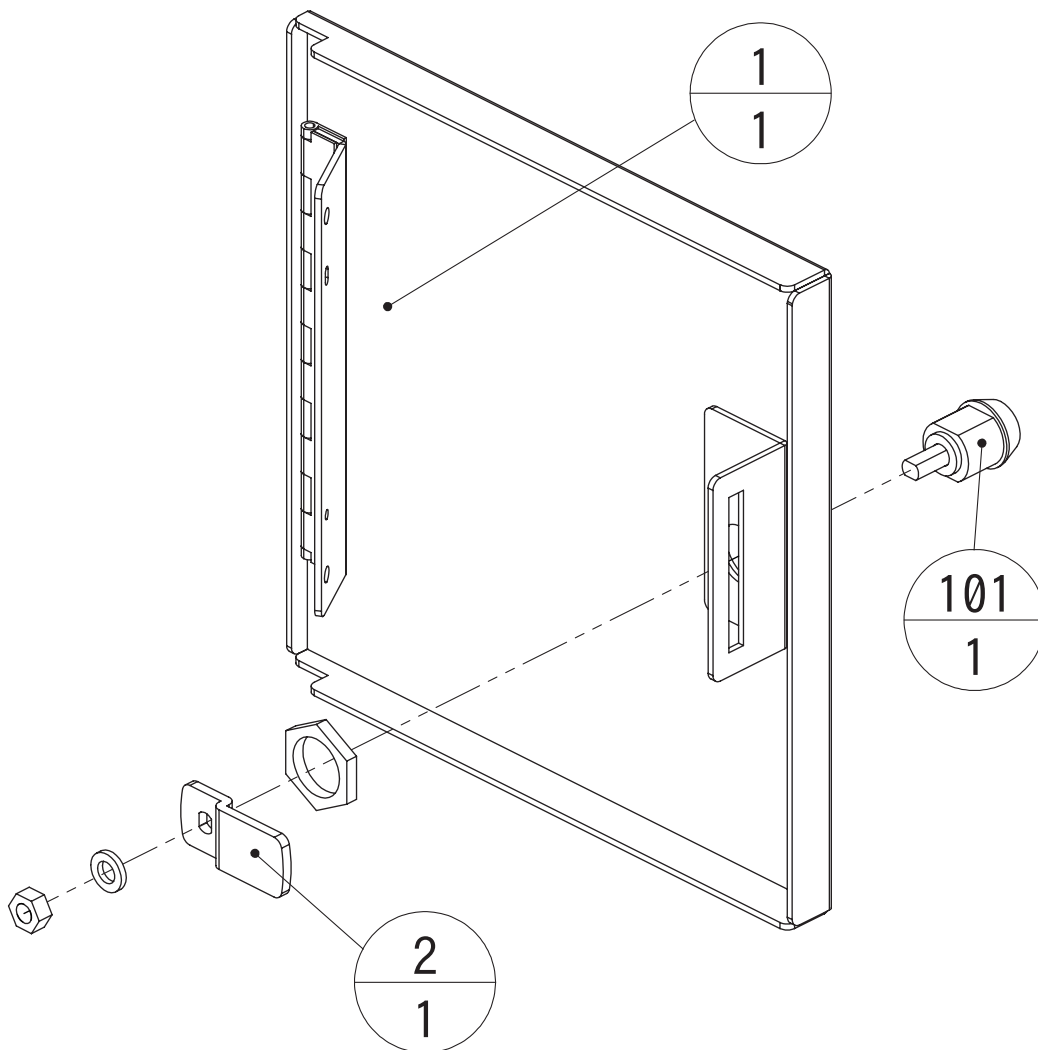
(5) TSBG-MMT1050

AC UNIT



Item No.	Part No.	Description	Note	Q/U
1	TSBG-MMT1051	AC UNIT BASE		
2	TSBG-ONG1171	AC PLATE		
3	TSBG-4218202	STICKER EARTH MARK		
4	TSBG-4211415710	STICKER FUSE 10A 250V		
101	TSBG-270517910	NOISE FILTER IP-0622-H2		
102	TSBG-5145176500	FUSE 5X20 10A 250V		
201		SEMS NI M4x8		
202		TROX BLK M4x8		
205		FLG NUT M4		
301	TSBG-MMT60058	WH AC IN (110V)		
302	TSBG-MMT60002	WH AC UNIT EARTH		

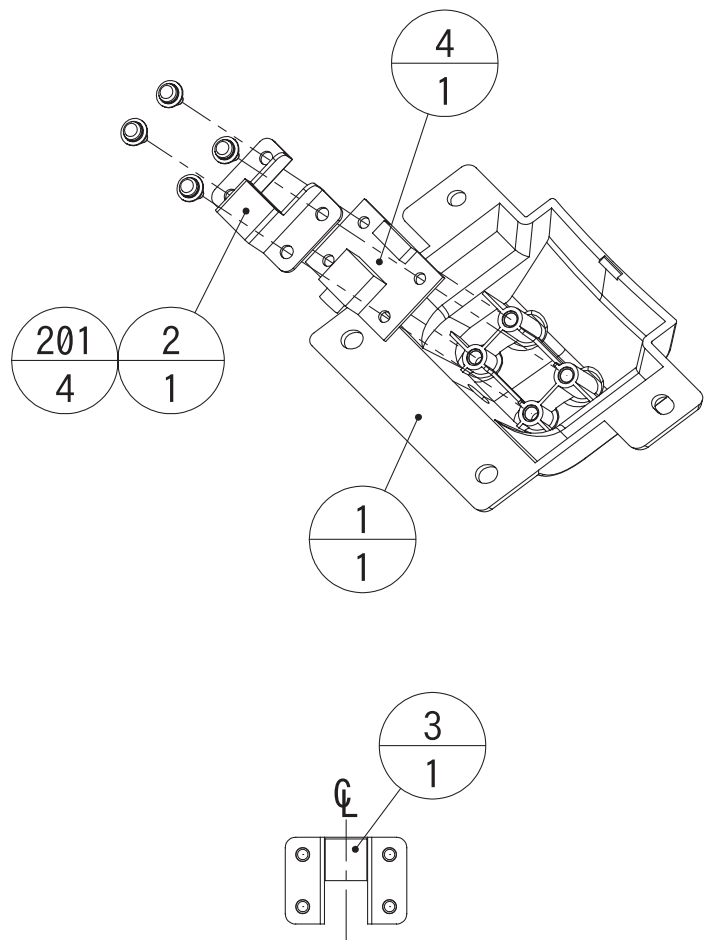
(6) TSBG-MMT1060
ASSY CASH BOX DOOR



Item No.	Part No.	Description	Note	Q/U
1	TSBG-MMT1061	CASH BOX DOOR		
2	TSBG-DP1167	TNG LKG		
101	TSBG-2205794	CAM LOCK 7001		

(7) TSBG-MMT1070

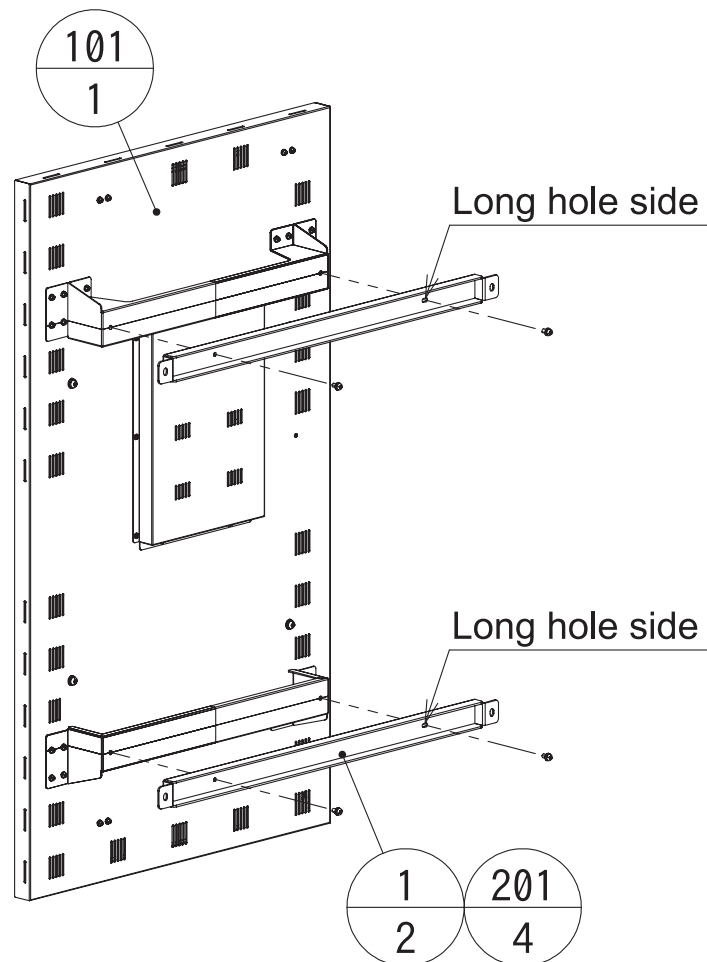
ASSY HEADPHONE JACK COVER



Attaching position of 3 to 2 .

Item No.	Part No.	Description	Note	Q/U
1	MMT-1071	HEADPHONE JACK COVER		
2	TSBG-SRA1903	HEADPHONE JACK HOLDER		
3	TSBG-SRA1906	HEADPHONE JACK HOLDER CUSHION		
4	837-20015	HEADPHONE JACK BD		
201		SEMS M3x8		

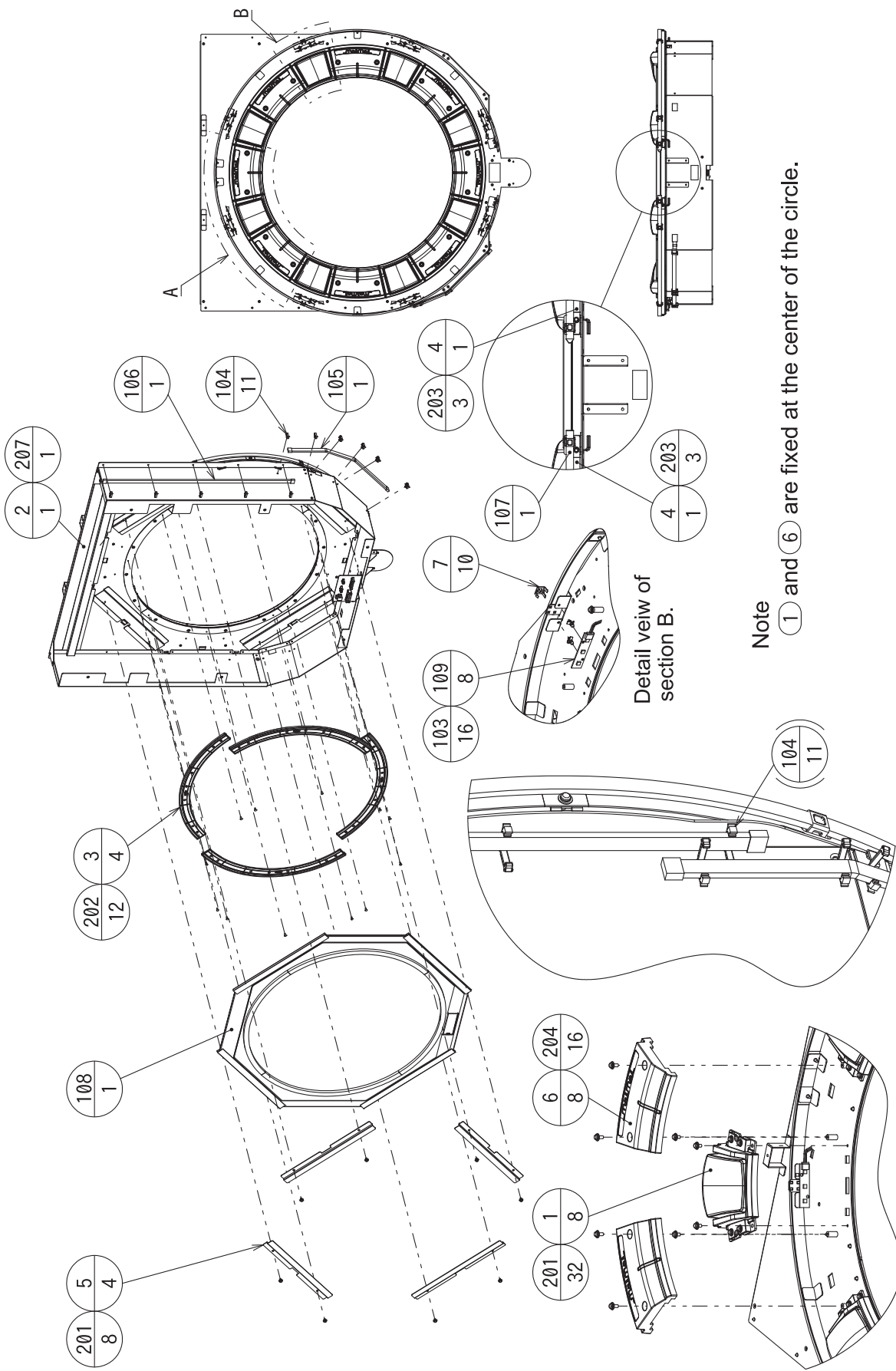
(8) TSBG-MMT1100
ASSY LCD



Item No.	Part No.	Description	Note	Q/U
1	TSBG-MMT1101	LCD BRKT		
101	TSBG-S458125B	430-FHM-620FH		
102	TSBG-S458125B01	ADAPTER (PA-1041-81)		
201		SEMS NI M5x10		

(9) TSBG-MMT1200
ASSY SW BASE 1P

(D-1/2)

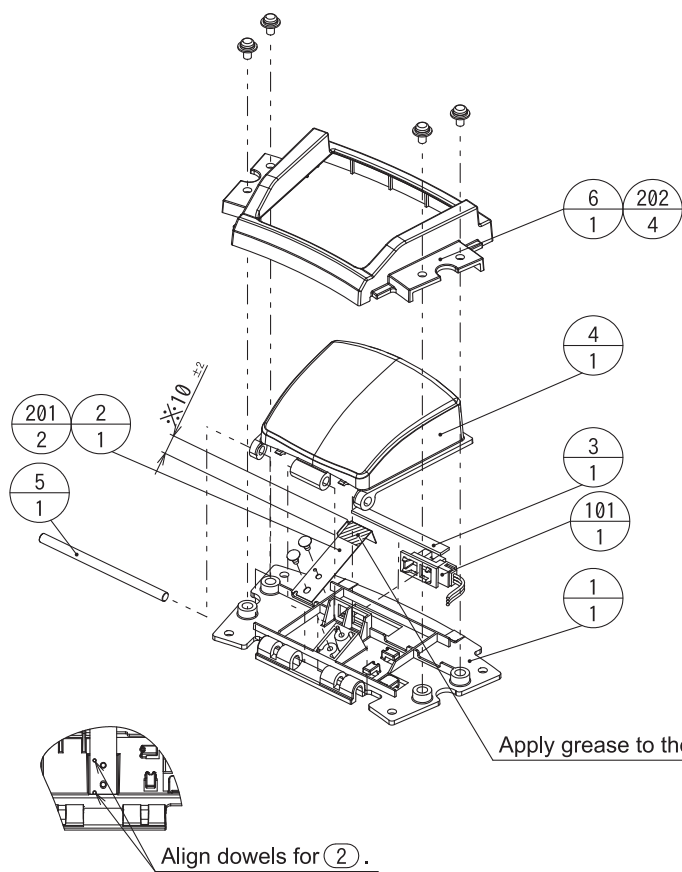


(9) TSBG-MMT1200
ASSY SW BASE 1P

(D-2/2)

Item No.	Part No.	Description	Note	Q/U
1	TSBG-MMT2000	ASSY BUTTON SWITCH		
2	TSBG-MMT1201	SW BASE		
3	MMT-1202	TOUCH PANEL SPACER		
4	TSBG-MMT1203	TAPE LED SUPPORT		
5	TSBG-MAI1203	PANEL SASH		
6	MAI-1206X	SW COVER		
7	253-5748	TAPE LED HOLDER		
101	TSBG-2805275S10	METAL CLAMP DAMC-102		
102	TSBG-2807892	CABLE MOUNT IN-CMW25		
103	TSBG-280789605	SPACER LCF		
104	280-8001	CLAMP LWSM-0511 CLEAR NIX		
105	TSBG-39072440350	LED TAPE WHITE M3528W-A 0350MM		
106	TSBG-39072440525	LED TAPE WHITE M3528W-A 0525MM		
107	TSBG-39072442325	LED TAPE WHITE M3528W-A 2325MM		
108	509-6483	TOUCH SENSOR UNIT TPK		
109	TSBG-8381523501	LED BD RGB 3x1BLOCK 5050		
201		SEMS NI M4x8		
202		M SCR FH BLK M3x8		
203		SEMS SMALL FS NI M3x8		
204		WRENCH SEMS M4x10		
207		FLG NUT M4		
301	TSBG-MMT60036	WH SW BASE LED		
302	TSBG-MMT60037	WH SW BASE SENSOR		
303	TSBG-MMT60038	WH TOUCH SENSOR		
304	TSBG-MMT60039	WH BODY LED		
305	TSBG-MMT60041	WH HEADPHONE JACK		

(10) TSBG-MMT2000
ASSY BUTTON SWITCH

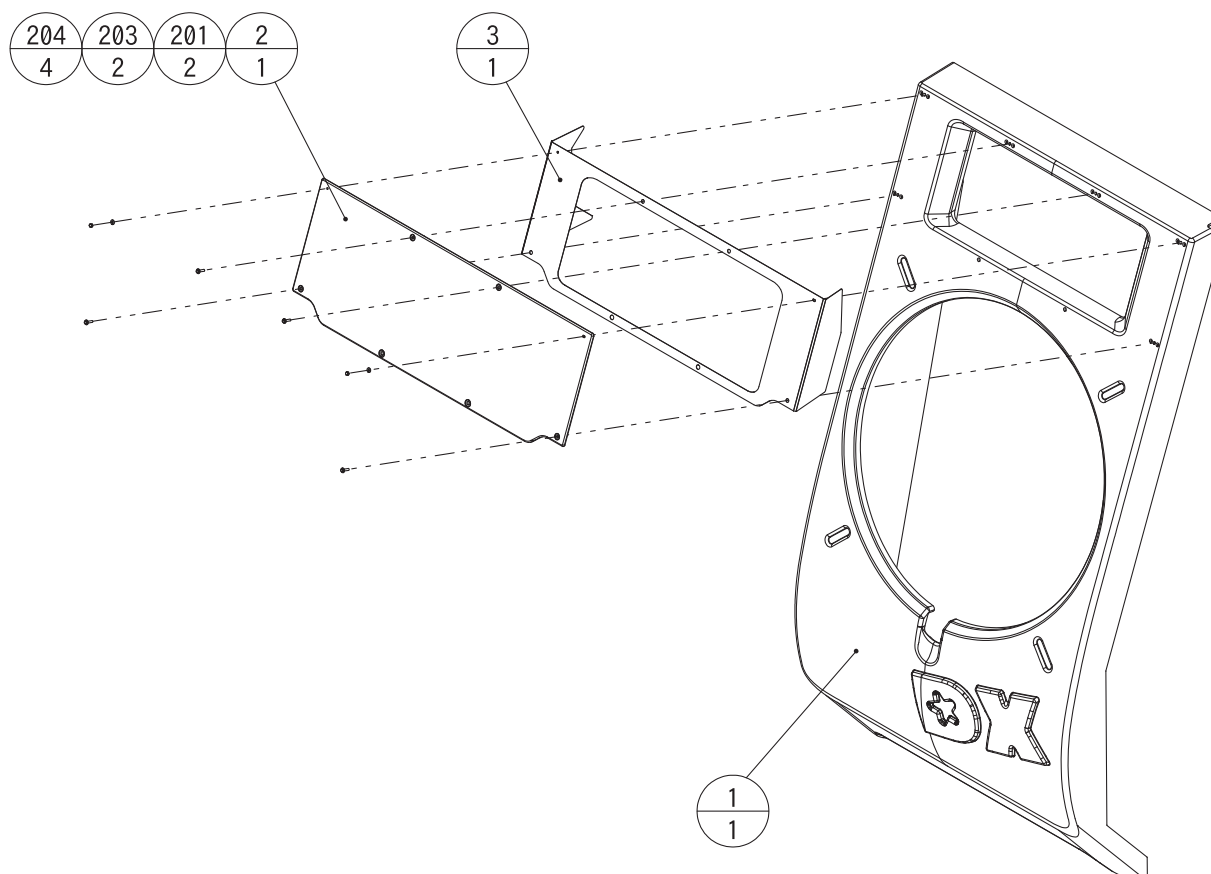


Detail view of attachment position for (3)

- Note
- 1. The tightening torque for (2) must be $0.7 \pm 0.05 \text{ N} \cdot \text{m}$.
 - 2. The tightening torque for (6) must be $1.5 \pm 0.1 \text{ N} \cdot \text{m}$.
 - 3. Use "SOLVEST[®] 248" for greasing.

Item No.	Part No.	Description	Note	Q/U
1	MAI-2001X	SW PLATE		
2	MMT-2001	SW SPRING		
3	MMT-2002	SW CUSHION		
4	MAI-2004X	SW BUTTON		
5	MAI-2005	SW SHAFT		
6	MAI-2006X	SW BEZEL		
101	370-5398	PHOTO INTERRUPTER OJN-535-A5		
201		TAP SCR TH #2 3x8		
202		SEMS NI M4x8		
301	TSBG-MAI60305	WH SENSOR		

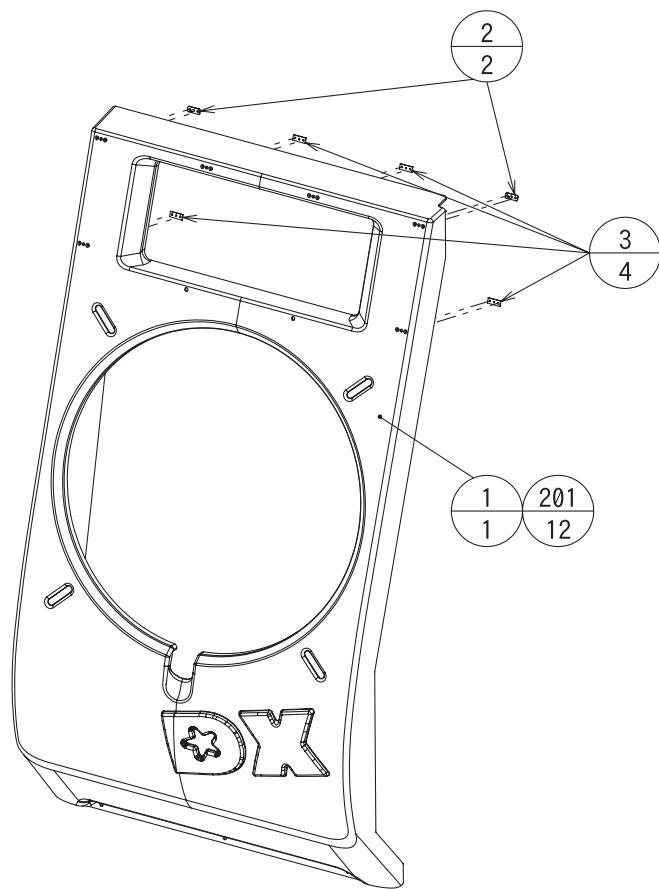
(11) TSBG-MMT1300
ASSY FRONT COVER 1P



Item No.	Part No.	Description	Note	Q/U
1	MMT-1310	FRONT COVER 1P		
2	TSBG-MMT1301	SUB MONITOR PLATE		
3	TSBG-MMT130205	FRONT COVER SHEET 1P VER 1.5		
201		FLT WSHR NI M4		
203		CAP NUT TYPE3 NI M4		
204		WRENCH SEMS M4x20		

(12) MMT-1310

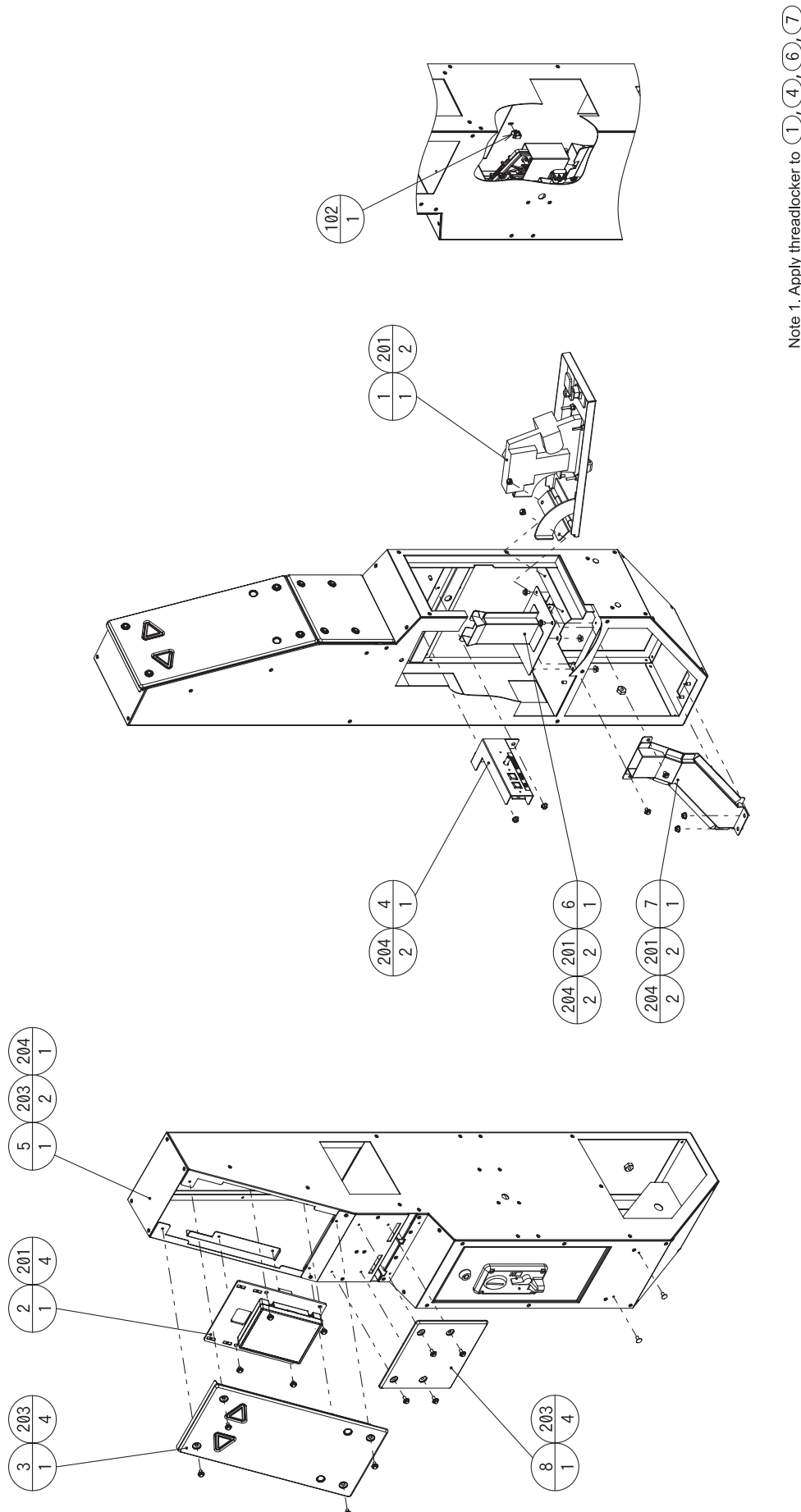
FRONT COVER 1P



Item No.	Part No.	Description	Note	Q/U
1	MMT-1311	FRONT COVER 1P BLANK		
2	MMT-1312	STUD PLATE		
3	TX-1029X-A	NUT PLATE		
201		POP RIVET AK44ABS		

(13) TSBG-MMT140001
ASSY CENTER TOWER EXP

(D-1/2)

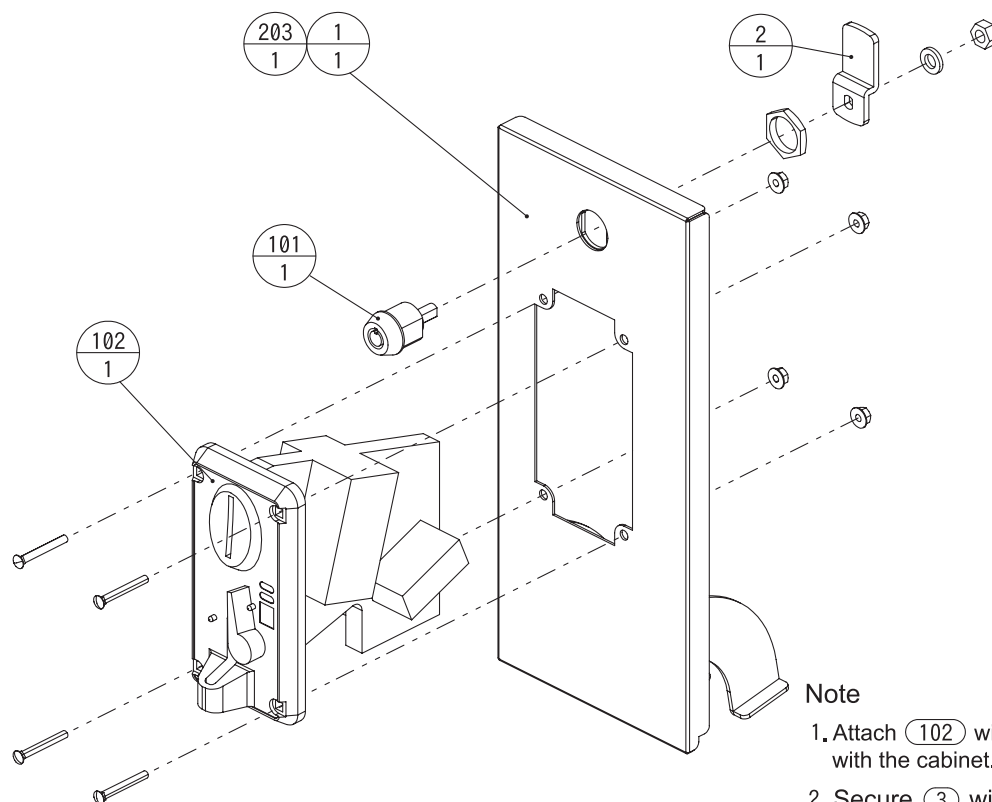


(13) TSBG-MMT140001
ASSY CENTER TOWER EXP

(D-2/2)

Item No.	Part No.	Description	Note	Q/U
1	TSBG-MMT1420	ASSY SELECTOR DOOR		
2	TSBG-MMT144001	ASSY AIME EXP		
3	TSBG-MMT145001	ASSY SELECT BUTTON PANEL EXP		
4	TSBG-MMT1460	SW UNIT		
5	TSBG-MMT1401X	CENTER TOWER BOX		
6	TSBG-MMT1402	COIN CHUTE UPPER		
7	TSBG-MMT1403	COIN CHUTE LOWER		
8	TSBG-MMT140401	CARD ENTRY PLATE EXP		
101	TSBG-2807892	CABLE MOUNT IN-CMW25		
102	TSBG-2806676	CABLE MOUNT CL-3		
201		SEMS NI M4x8		
203		WRENCH SENS M4x10		
204		FLG NUT M4		
301	TSBG-MMT60048	WH AIME VFD		
302	TSBG-MMT60049	WH EXT SELECT BUTTON		
303	TSBG-MMT60054	WH EXT COIN 2		

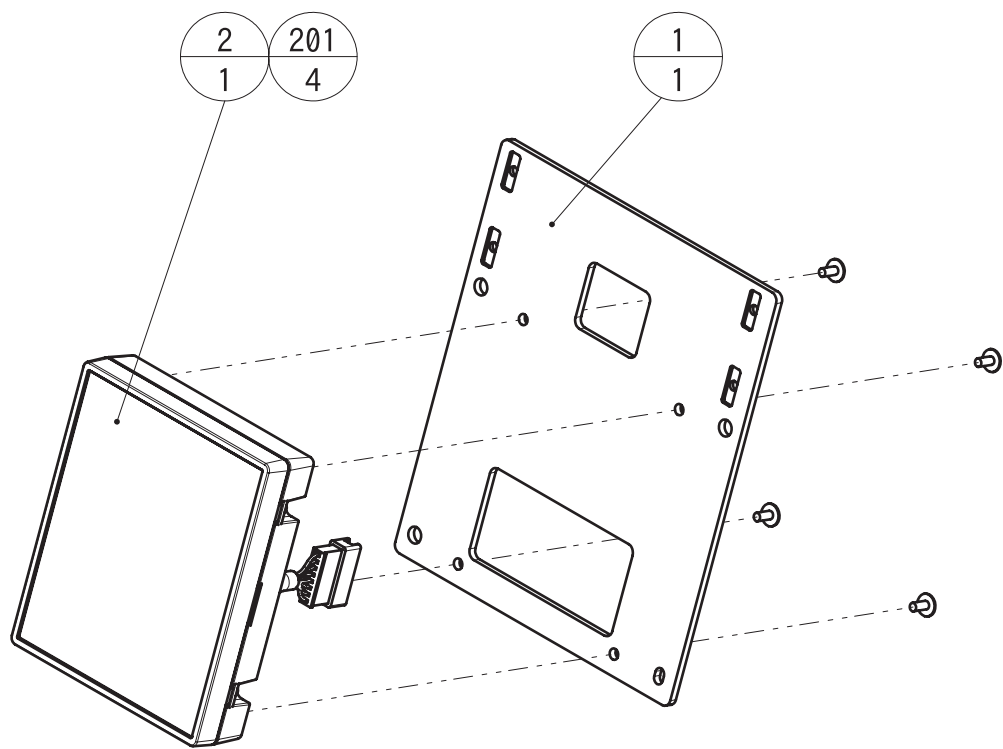
(14) TSBG-MMT1420 ASSY SELECTOR DOOR



Item No.	Part No.	Description	Note	Q/U
1	TSBG-MMT1421	SELECTOR DOOR		
2	TSBG-RVO1112	TNG LKG VERT HOLE		
101	TSBG-22057931A1	CAM LOCK 7001		
102	TSBG-2205846911	TW-333		
103	TSBG-2807892	CABLE MOUNT IN-CMW25		
203		FLG NUT M4		
301	TSBG-MMT60055	WH COIN		

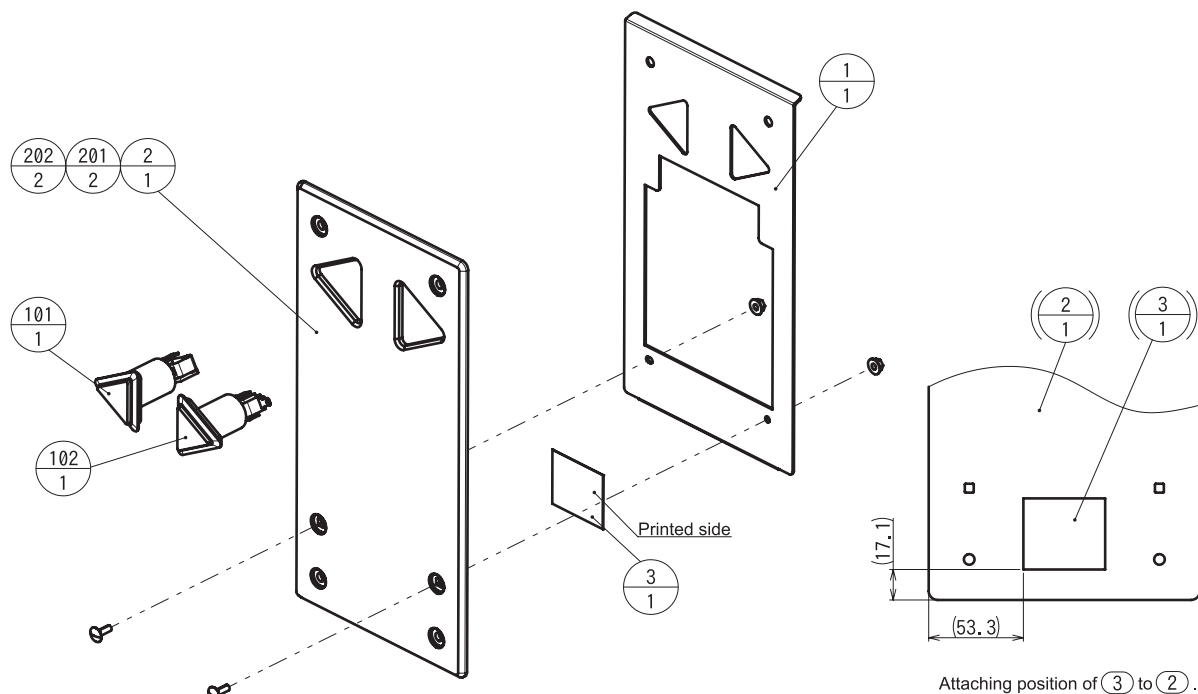
(15) TSBG-MMT144001

ASSY AIME EXP



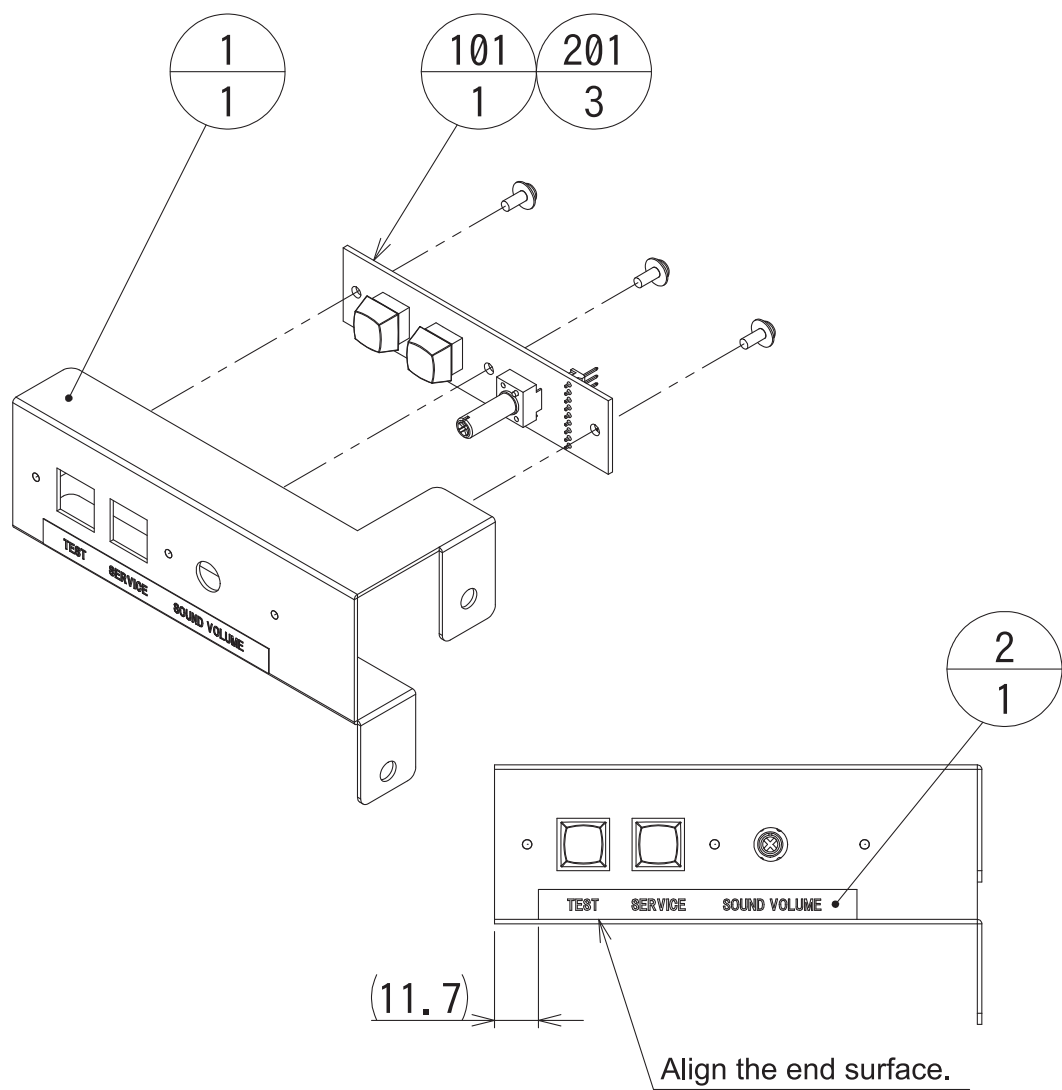
Item No.	Part No.	Description	Note	Q/U
1	TSBG-MMT1441	AIME AND VFD PLATE		
2	610-0957	AIME RW UNIT EXP		
201		SEMS M3x8		

(16) TSBG-MMT145001
ASSY SELECT BUTTON PANEL EXP



Item No.	Part No.	Description	Note	Q/U
1	TSBG-MMT1451	SELECT BUTTON BRKT		
2	TSBG-MMT145201	SELECT BUTTON PANEL EXP		
3	TSBG-4217308136	DENOMINATION SHEET BLANK		
101	TSBG-5095970BL	CWB408 Lamp Button BL		
102	TSBG-5095970RE	CWB408 Lamp Button RE		
103	TSBG-2807892	CABLE MOUNT IN-CMW25		
201		CRG BOLT NI M4x16		
202		FLG NUT M4		
301	TSBG-MMT60050	WH SELECT BUTTON		

(17) TSBG-MMT1460
SW UNIT



Attaching position for ① to ②

Item No.	Part No.	Description	Note	Q/U
1	TSBG-MMT1461	SW BRKT		
2	TSBG-42112136	STICKER SW PANEL LCA		
101	838-14548-10	SW & VOL BD		
201		SEMS M3x8		
301	TSBG-MMT60056	WH SW VOL		

(D-1/2)

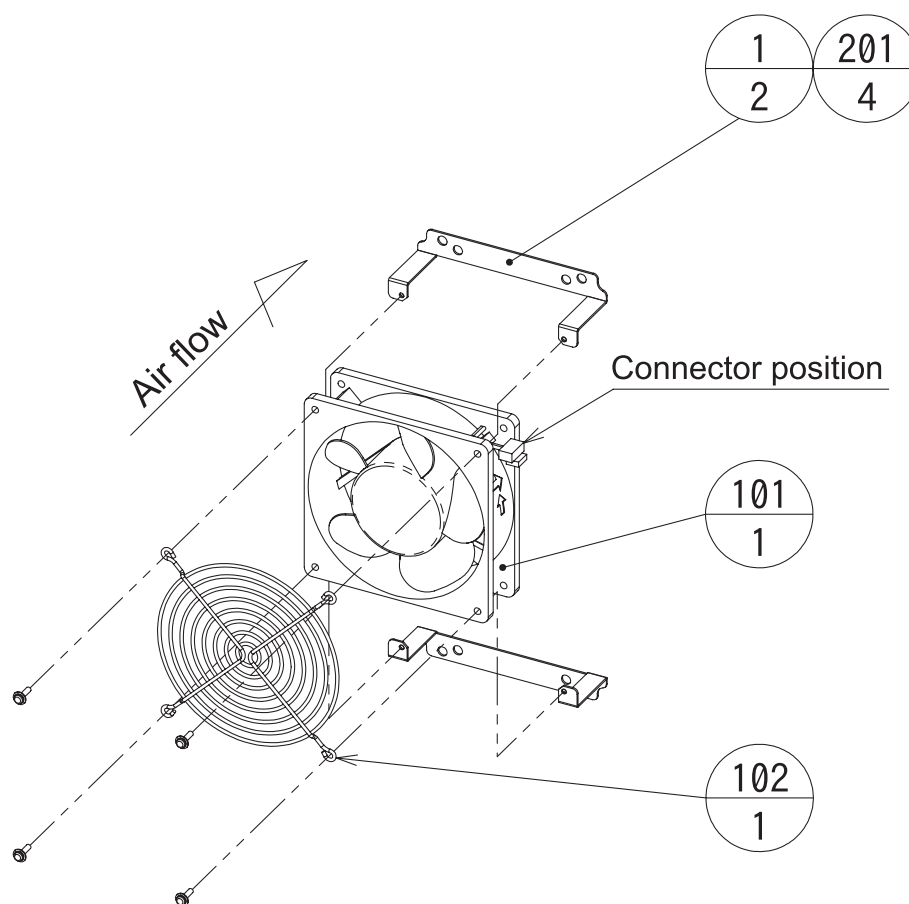


(18) TSBG-MMT4100 ASSY ELEC BD

(D-2/2)

Item No.	Part No.	Description	Note	Q/U
1	TSBG-MMT4101	WOODEN BASE ELEC BD		
2	TSBG-MMT4103	BKT SMPS BASE		
3	TSBG-MMT4104	BKT SMPS COVER		
4	TSBG-MMT4105	BKT SMPS SUPPORT		
5	837-15067-02-91	IC BD USB TO 4SERIAL 232 IF		
6	837-15070-04-91	IC BD LED DRV32CH RS232		
7	837-15257-02	I/O CONTROL BD 4 FOR USB		
101	TSBG-MMTLRS1501	LRS-150-12		
102	TSBG-MMTLRS1502	LRS-150-24		
103	TSBG-MMTLRS5005	LRS-50-05		
106	838-15228	2.1CH 40W STEREO AMP BD		
107	839-1363-01	HEADPHONE AMP BD SHC		
108	TSBG-2705116	FERRITE CORE ZCAT2132-1130		
109	TSBG-2705117	FERRITE CORE ZCAT3035-1330		
111	TSBG-2805207	CORD CLAMP LF94-1		
113	TSBG-2806676	CABLE MOUNT CL-3		
114	TSBG-2806681	L-LOCK		
202		TAP SCR PH 3x25		
206		SEMS M4x16		
207		SEMS M4x8		
301	TSBG-MMT6000901	WH SW REGU AC FSP		
302	TSBG-MMT6001001	WH AMP 24V FSP		
303	TSBG-MMT60011	WH AMP IN FSP		
304	TSBG-MMT60012	WH AMP OUT		
305	TSBG-MMT60013	WH AMP VOLUME		
306	MMT-60014	WH H AMP OUT 1P		
307	MMT-60015	WH H AMP OUT 2P		
308	TSBG-MMT6002101	WH LED DRV 12V FSP		
309	TSBG-MMT60022	WH I/O BD 5V		
310	TSBG-MMT60023	WH USB BD 5V		
311	TSBG-MMT60024	WH LED DRV SERIAL 1P		
312	TSBG-MMT60025	WH LED DRV SERIAL 2P		
313	TSBG-MMT60026	WH LED DRV OUT 1P		
314	TSBG-MMT60027	WH LED DRV OUT 2P		
315	TSBG-MMT6002801	WH I/O BD FSP		
317	TSBG-MMT6002802	WH I/O BD FSP		

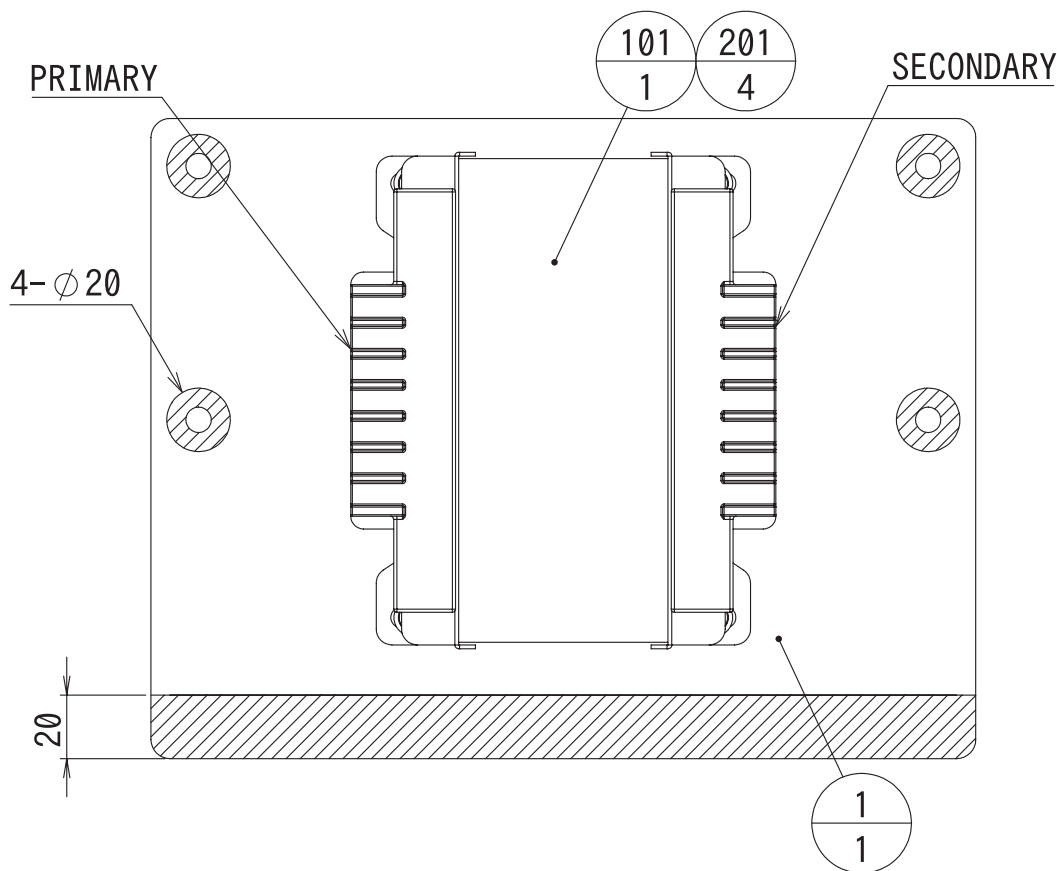
(19) TSBG-6100963
ASSY DC 12V FAN 120MM



Item No.	Part No.	Description	Note	Q/U
1	TSBG-105556192	FAN BRKT		
101	TSBG-260154	FAN (11938KA-12M-EL)		
102	TSBG-6018543	FAN GUARD		
201		SEMS M4x12		

(20) TSBG-MMT4200

ASSY XFMR



Note 1. Wiring is prohibited in the shaded area.

Item No.	Part No.	Description	Note	Q/U
1	TSBG-MMT4201	WOODEN BASE XFMR		
101	TSBG-IVO600W	POWER TRANS FORMER (IVO 600W)		
102	TSBG-2806676	CABLE MOUNT CL-3		
201		SEMS M5x16		

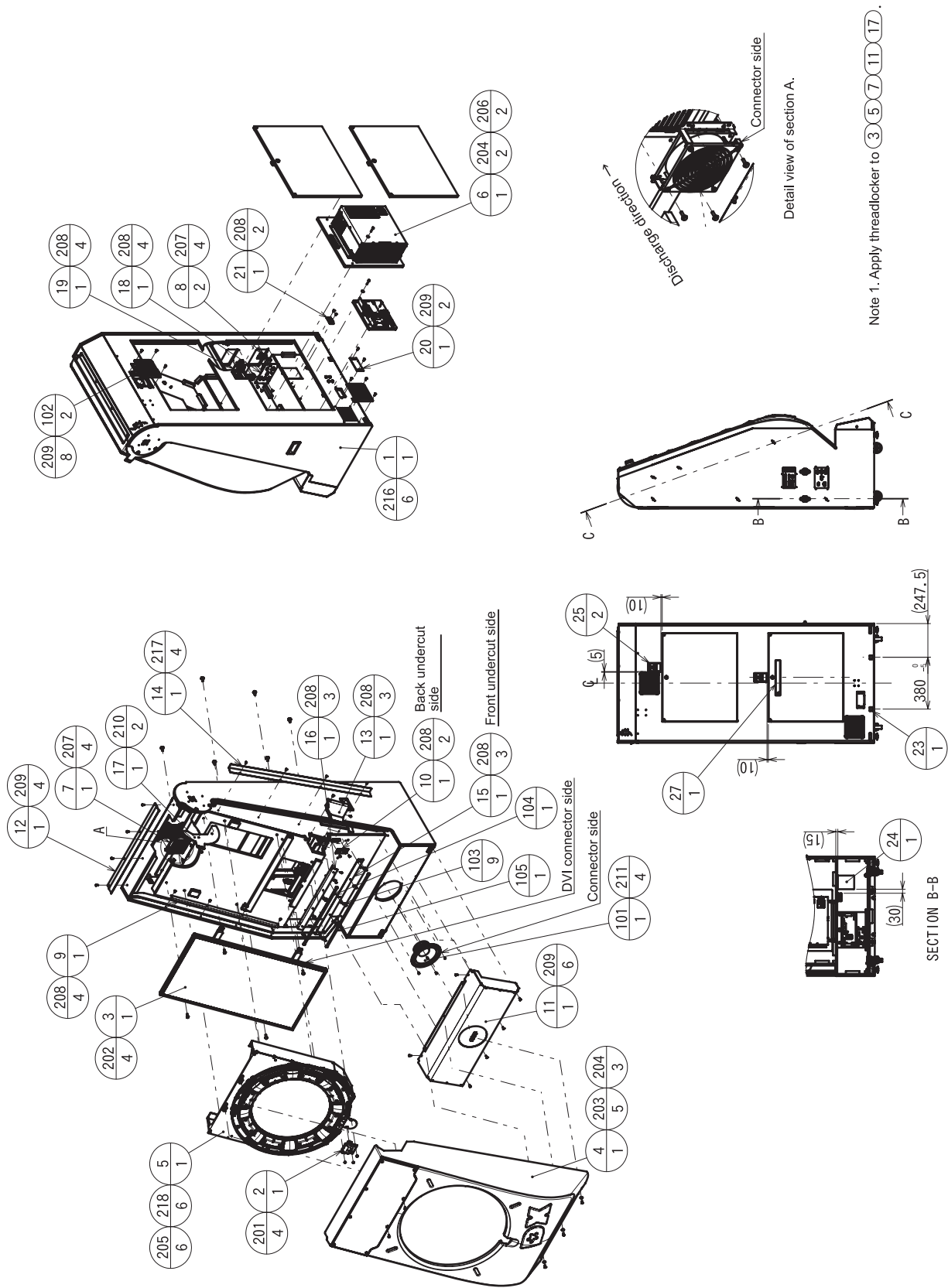
**(21) TSBG-MMT6001
ASSY WIRE 1P**

This is comprised of the following wire harnesses. ASSY drawing is not available.

Item No.	Part No.	Description	Note	Q/U
102	TSBG-MMT60016	WH EXT HEADPHONE 2P 1		
103	TSBG-MMT60017	WH EXT AUDIO		
104	TSBG-MMT60030	WH EXT WHITE LED 2P 1		
105	TSBG-MMT60031	WH EXT SW BASE SENSOR 2P 1		
106	TSBG-MMT60032	WH EXT SW BASE LED 2P 1		
107	TSBG-MMT60040	WH EXT COIN 1		
108	TSBG-MMT60042	WH EXT BILLBOARD		
109	TSBG-MMT60045	WH EXT COM & DC		
111	TSBG-60071571650	WIRE HARN EARTH ID5 40U 1650MM		

(22) TSBG-MMT1500
ASSY CABINET 2P

(D-1/3)



**(22) TSBG-MMT1500
ASSY CABINET 2P**

(D-2/3)

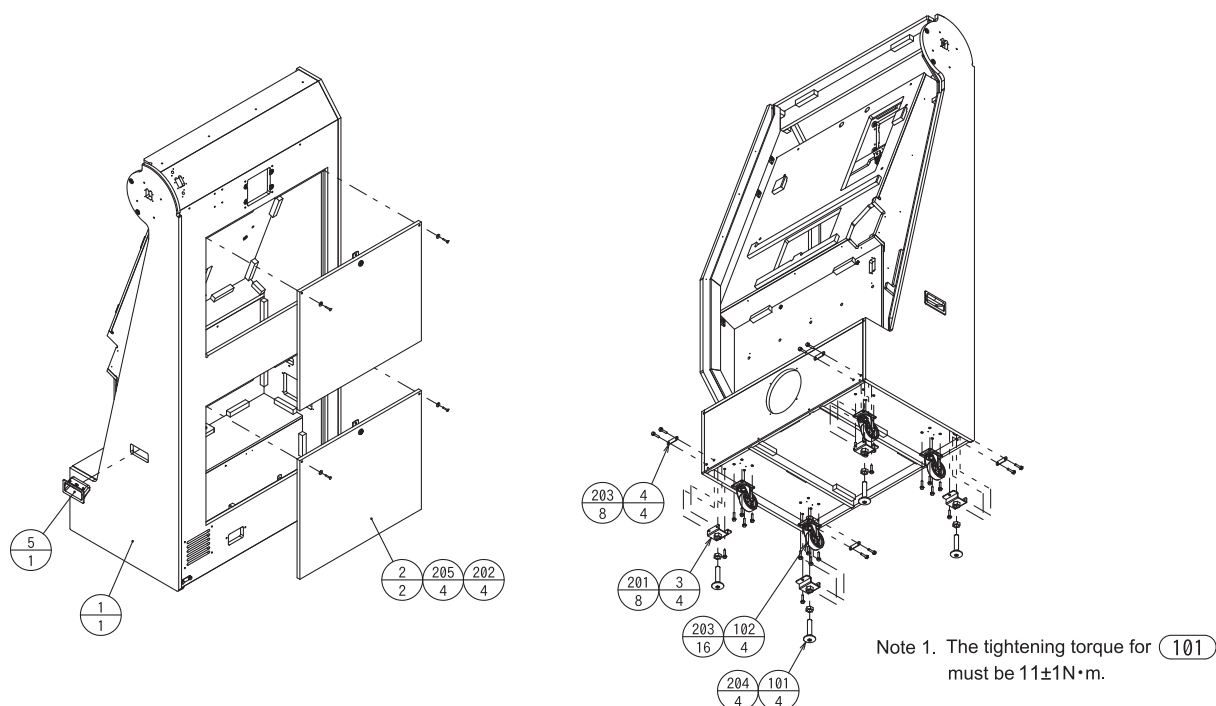
Item No.	Part No.	Description	Note	Q/U
1	TSBG-MMT1501	ASSY SUB CABINET 2P		
2	TSBG-MMT1070	ASSY HEADPHONE JACK COVER		
3	TSBG-MMT1100	ASSY LCD		
4	TSBG-MMT1600	ASSY FRONT COVER 2P		
5	TSBG-MMT1700	ASSY SW BASE 2P		
6	TSBG-MMT4000	ASSY GAME BD		
7	TSBG-6100963	ASSY DC 12V FAN 120MM		
8	TSBG-MMT1520	JOINT PIN 2P BRKT		
9	TSBG-MMT1021	CABINET EDGE COVER		
10	TSBG-MMT1022	FRONT LED CONN PLATE		
11	TSBG-MMT1521	FOOT COVER 2P		
12	TSBG-MMT1028	FRONT COVER SASH		
13	TSBG-MMT1525	CABINET INNER REFLECTOR 2P		
14	TSBG-MMT1034	CABINET INNER REFLECTOR REAR		
15	TSBG-MMT1035	FRONT LED BRKT LOWER		
16	TSBG-MMT1036	FRONT LED BRKT UPPER		
17	TSBG-MMT1526	SIDE COVER REFLECTOR 2P		
18	TSBG-MMT1522	JOINT CONN BRKT LOWER		
19	TSBG-MMT1523	JOINT CONN BRKT UPPER		
20	TSBG-MMT1524	LAN LID		
21	TSBG-1055639	EARTH PLATE		
23	TSBG-42111416	STICKER CAUTION FORK		
24	TSBG-4211423701	STICKER GAME BD MMT EXP		
25	TSBG-440WS0002Y	STICKER W POWER OFF ENG		
26	TSBG-6008206101	BKT USB GROUNDING		
27	TSBG-UL4200A	STICKER UL4200A		
101	130-5280-01	WOOFER 4OHM 80W		
102	253-5460-01	AIR VENT BLACK		
103	280-8001	CLAMP LWSM-0511 CLEAR NIX		
104	TSBG-39072440525	LED TAPE WHITE M3528W-A 0525MM		
105	TSBG-39072440675	LED TAPE WHITE M3528W-A 0675MM		
106	TSBG-2805207	CORD CLAMP LF94-1		
107	TSBG-2806676	CABLE MOUNT CL-3		
109	TSBG-2805275S10	METAL CLAMP DAMC-102		
201		SEMS NI M4x10		
202		HEX SEMS BLK M6x30		
203		WRENCH SEMS M4x20		
204		FLT WSHR NI 4.4-16x1.6		
205		FLT WSHR 6.5-20 X1.6		
206		SEMS M4x35		
207		SEMS M4x16		
208		TAP SCR TH 4.0x12		
209		TROX BLK M4x16		
210		TROX BLK M4x12		
211		TAP SCR TH #1 BLK 4x12		

**(23) TSBG-MMT1500
ASSY CABINET 2P**

(D-3/3)

Item No.	Part No.	Description	Note	Q/U
216		FLG NUT M4		
217		TAP SCR TH 3.5x12		
218		HEX SEMS BLK M6x30		
301	TSBG-MMT6002	ASSY WIRE 2P		
302	TSBG-MMT60005	WH AC 3		
303	TSBG-MMT60006	WH EXT ROUTER AC		
304	TSBG-MMT60057	WH WOOFER 2P		
305	TSBG-6008206100	CA USB A-A(FEM) FOR PNL 100CM		
306	TSBG-6008245	AC CABLE VL3P 7A W/E		
307	TSBG-6008248200	ASSY CA DVI-D EMC 2000MM KDK		
308	TSBG-6008272100	CA USB3.0 A-A(F) FOR PNL 100CM (NMC-UF310SW)		
309	TSGB-60071571880	WIRE HARN EARTH ID5 40U 1880MM		

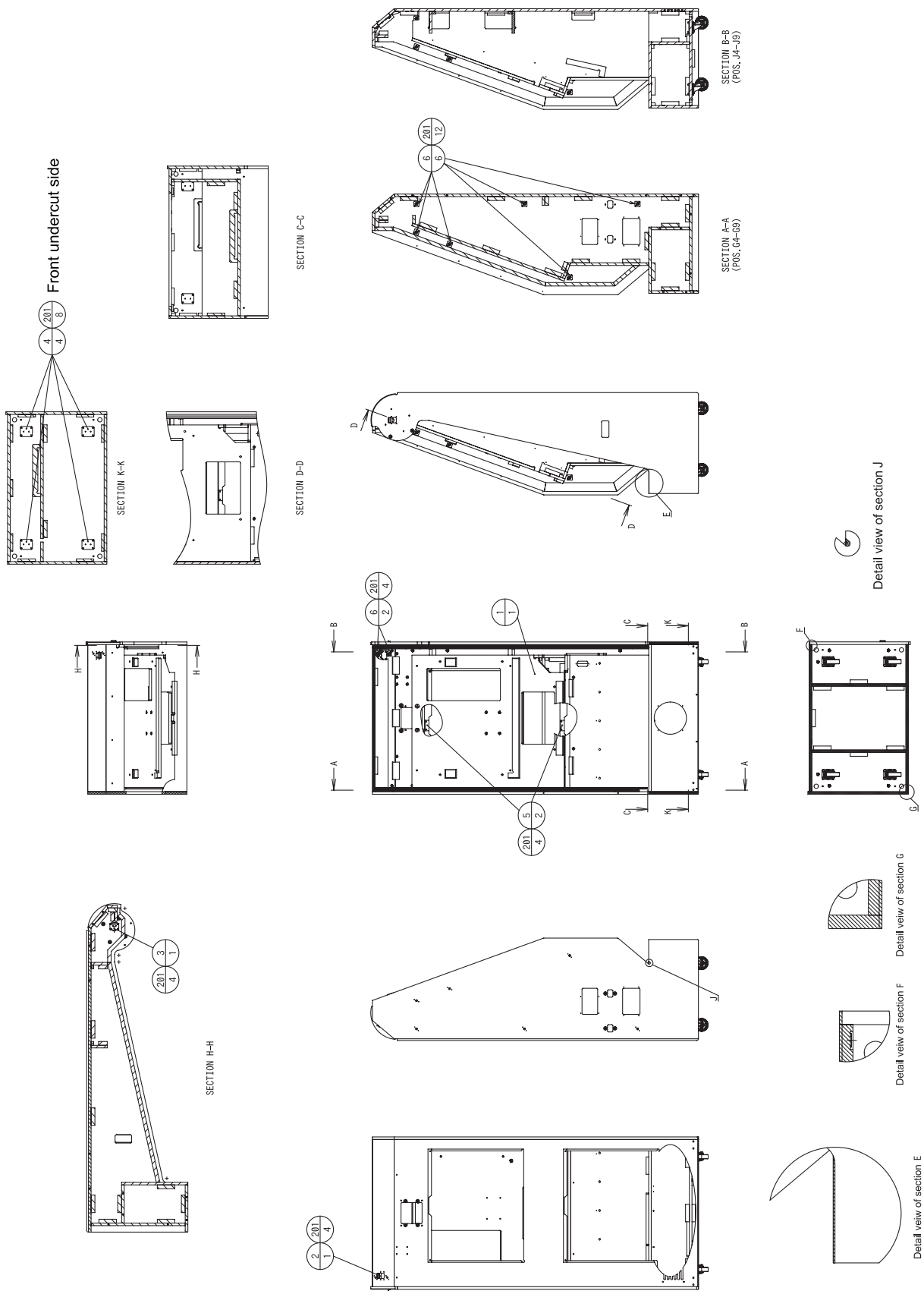
(24) TSBG-MMT1501 ASSY SUB CABINET 2P



Item No.	Part No.	Description	Note	Q/U
1	TSBG-MMT1502	CABINET 2P		
2	TSBG-MMT1550	ASSY BACK DOOR 2P		
3	TSBG-MMT1007X	LEG BRKT		
4	TSBG-117523391	PLATE LEG BRACKET BLACK		
5	TSBG-253539691	CABINET HANDLE		
101	TSBG-6015699X	LEG ADJUSTER BOLT M16x75		
102	601-11223	CASTER 75 PAU		
201		HEX SEMS BLK M6x30		
202		FLT WSHR BLK 4.4-16x1.6		
203		SEMS NI M6x25		
204		HEX NUT TYPE3 M16		
204		TROX BLK M4x25		

(25) TSBG-MMT1502
CABINET 2P

(D-1/2)

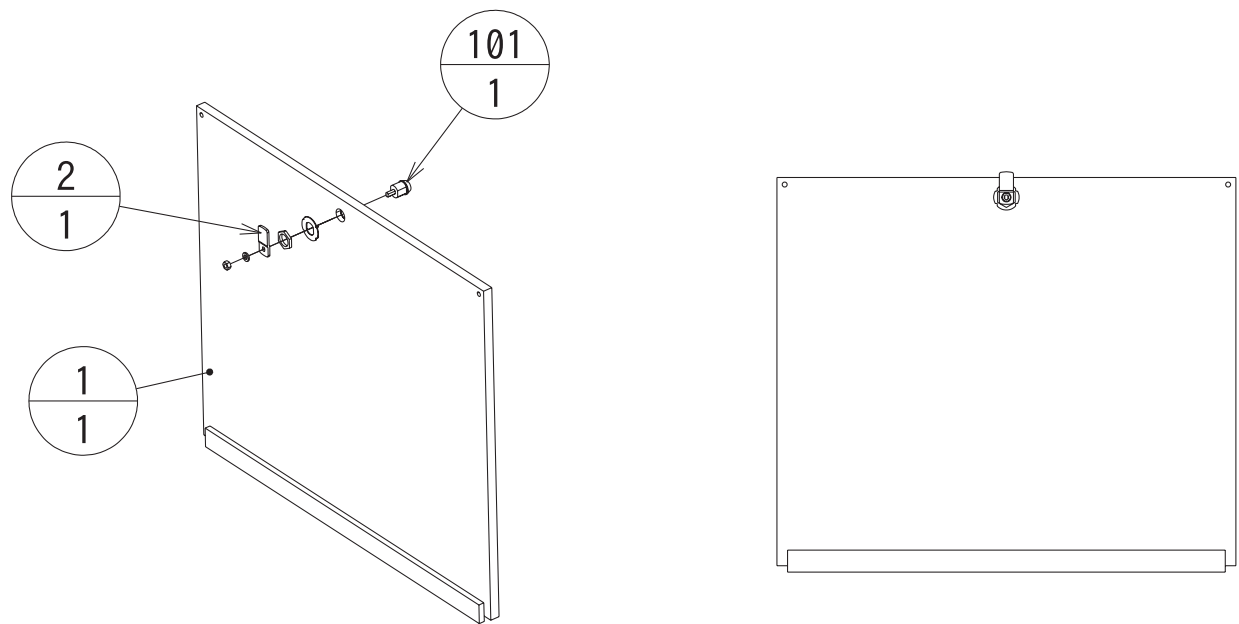


**(25) TSBG-MMT1502
CABINET 2P****(D-2/2)**

Item No.	Part No.	Description	Note	Q/U
1	TSBG-MMT1502-A	CABINET 2P BLANK		
2	TSBG-MMT1003	BILLBOARD HOLD BRKT		
3	TSBG-MMT1005	SIDE COVER BASE CONN BRKT		
4	TSBG-CTF1104	CASTER NUT PLATE		
5	TSBG-117509891	TNG RETAINER PLATE		
6	TSBG-1175463	NUT PLATE M8		
201		TAP SCR TH 4.0x12		

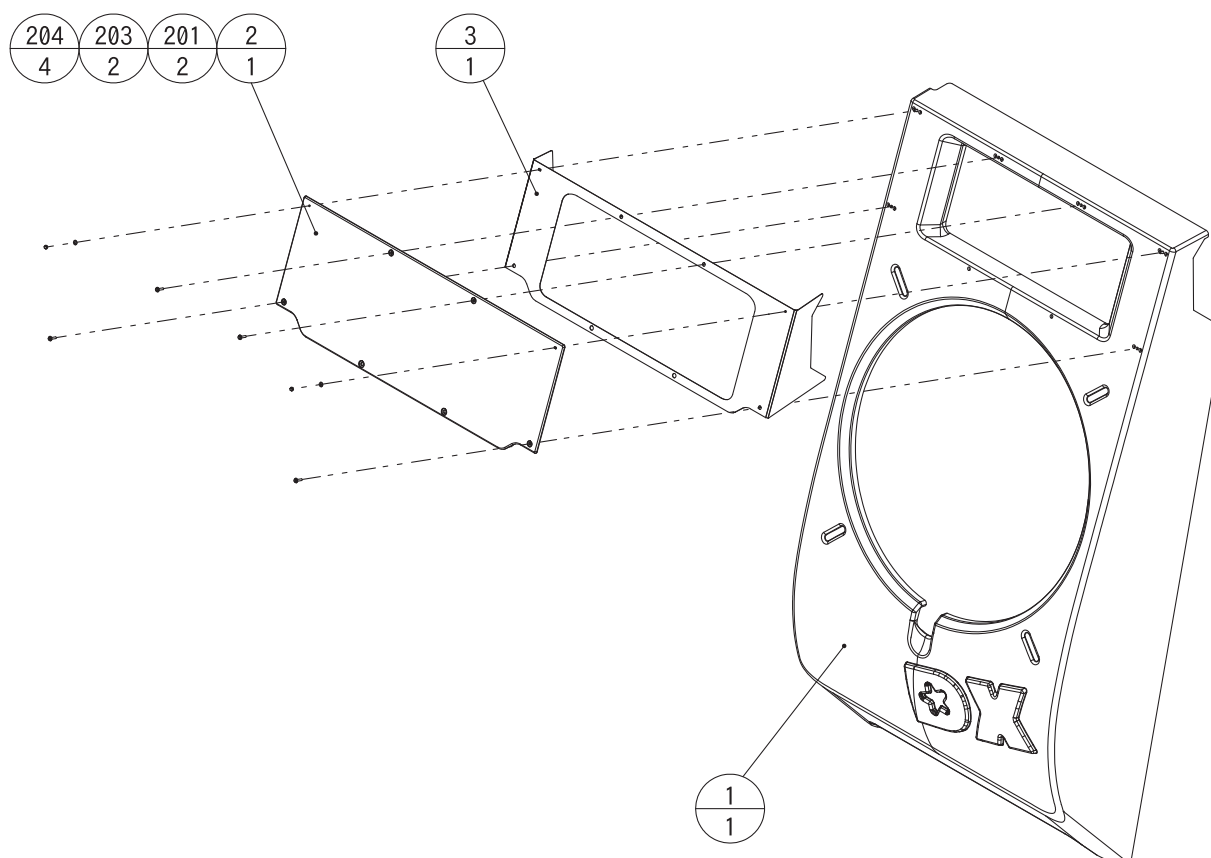
(26) TSBG-MMT1550

ASSY BACK DOOR 2P



Item No.	Part No.	Description	Note	Q/U
1	TSBG-MMT1551	BACK DOOR		
2	TSBG-1055713	LKG TNG		
101	TSBG-L7001	CAM LOCK 7001		

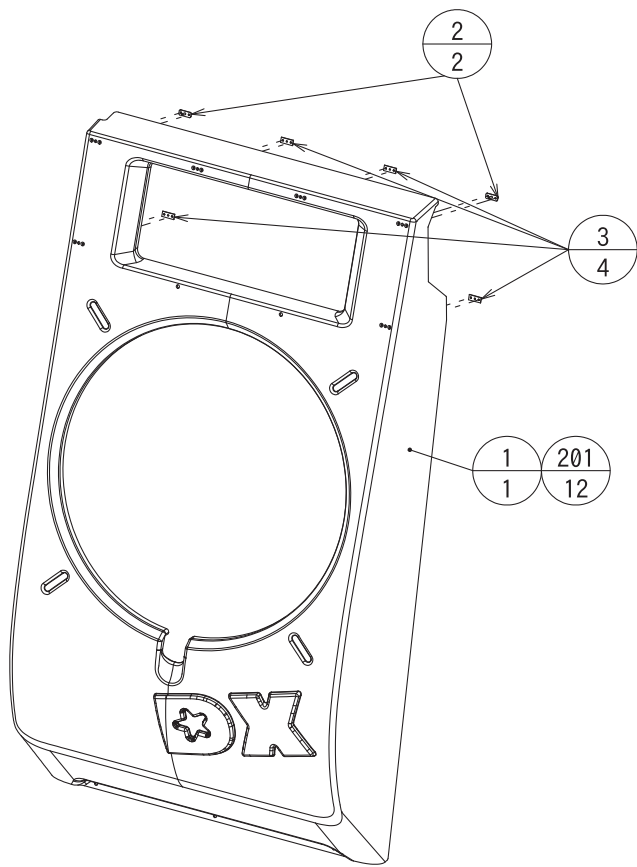
(27) TSBG-MMT1600
ASSY FRONT COVER 2P



Item No.	Part No.	Description	Note	Q/U
1	MMT-1610	FRONT COVER 2P		
2	TSBG-MMT1301	SUB MONITOR PLATE		
3	TSBG-MMT160105	FRONT COVER SHEET 2P VER 1.5		
201		FLT WSHR NI M4		
203		CAP NUT TYPE3 NI M4		
204		WRENCH SEMS M4x20		

(28) MMT-1610

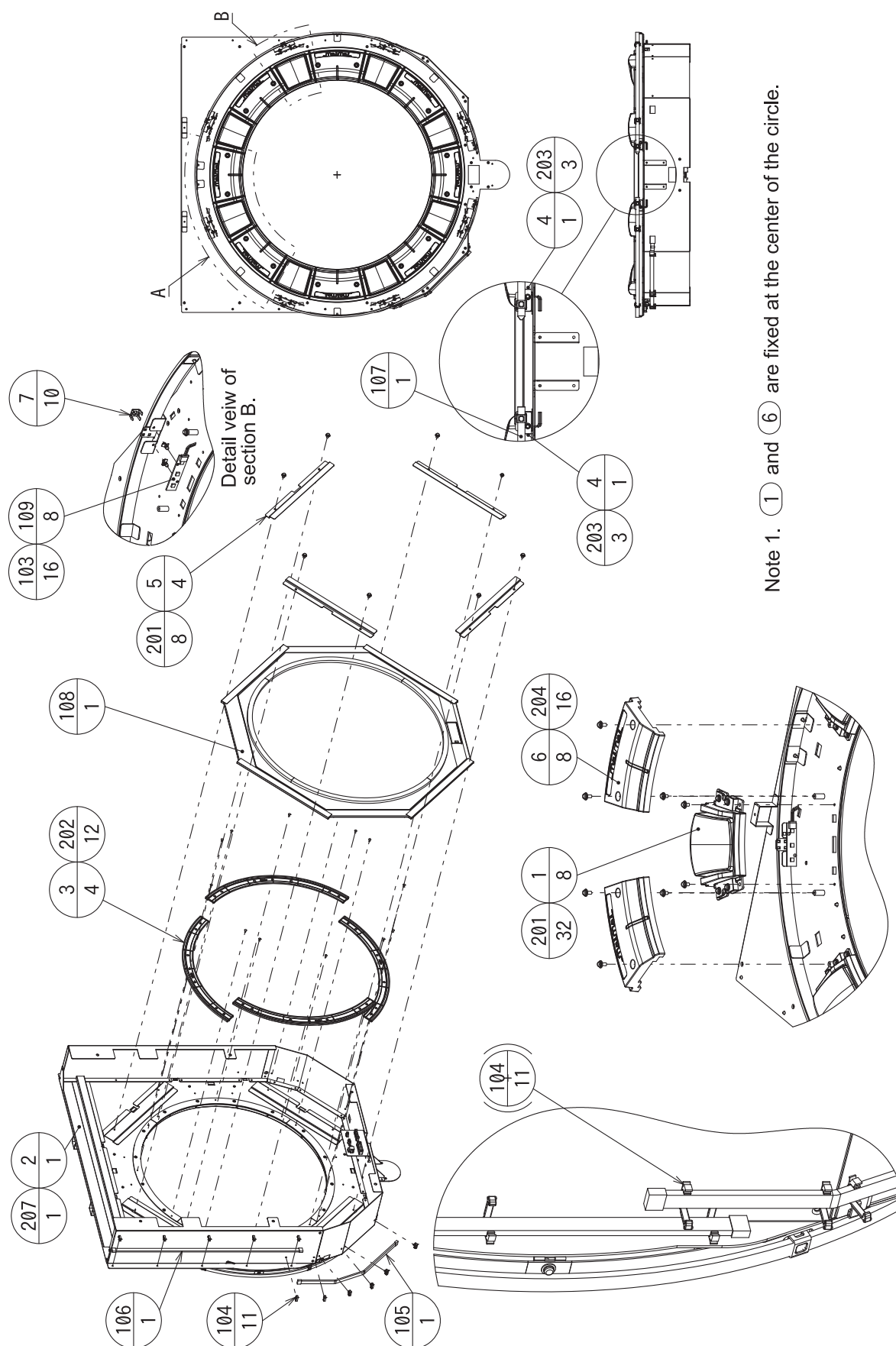
FRONT COVER 2P



Item No.	Part No.	Description	Note	Q/U
1	MMT-1611	FRONT COVER 2P BLANK		
2	MMT-1312	STUD PLATE		
3	TX-1029-XA	NUT PLATE		
201		POP RIVET AK44ABS		

(29) TSBG-MMT1700
ASSY SW BASE 2P

(D-1/2)

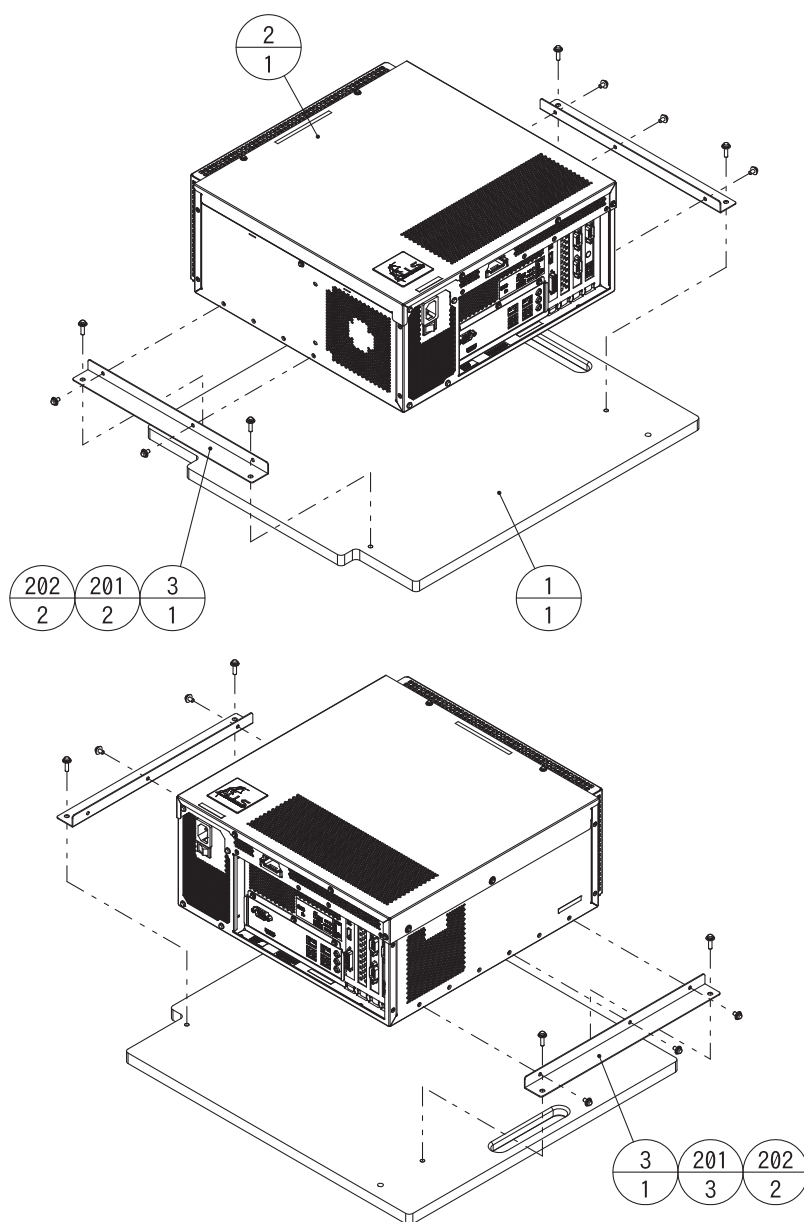


(29) TSBG-MMT1700
ASSY SW BASE 2P

(D-2/2)

Item No.	Part No.	Description	Note	Q/U
1	TSBG-MMT2000	ASSY BUTTON SWITCH		
2	TSBG-MMT1201	SW BASE		
3	MMT-1202	TOUCH PANEL SPACER		
4	TSBG-MMT1203	TAPE LED SUPPORT		
5	TSBG-MAI1203	PANEL SASH		
6	MAI-1206X	SW COVER		
7	253-5748	TAPE LED HOLDER		
101	TSBG-2805275S10	METAL CLAMP DAMC-102		
102	TSBG-2807892	CABLE MOUNT IN-CMW25		
103	TSBG-280789605	SPACER LCF		
104	280-8001	CLAMP LWSM-0511 CLEAR NIX		
105	TSBG-39072440350	LED TAPE WHITE M3528W-A 0350MM		
106	TSBG-39072440525	LED TAPE WHITE M3528W-A 0525MM		
107	TSBG-39072442325	LED TAPE WHITE M3528W-A 2325MM		
108	509-6483	TOUCH SENSOR UNIT TPK		
109	TSBG-8381523501	LED BD RGB 3x1BLOCK 5050		
201		SEMS M4x8		
202		M SCR FH BLK M3x8		
203		SEMS NI M3x8		
204		WRENCH SEMS M4x10		
207		FLG NUT M4		
301	TSBG-MMT60036	WH SW BASE LED		
302	TSBG-MMT60037	WH SW BASE SENSOR		
303	TSBG-MMT60038	WH TOUCH SENSOR		
304	TSBG-MMT60039	WH BODY LED		
305	TSBG-MMT60041	WH HEADPHONE JACK		

**(30) TSBG-MMT4000
ASSY GAME BD**



Item No.	Part No.	Description	Note	Q/U
1	TSBG-MMT4001	WOODEN BASE GAME BD		
2	849-1012	ASSY CASE ALLS HX2.1 W HDD		
3	TSBG-1055689	GAME BD BRKT		
201		SEMS M4x8		
202		SEMS M4x16		

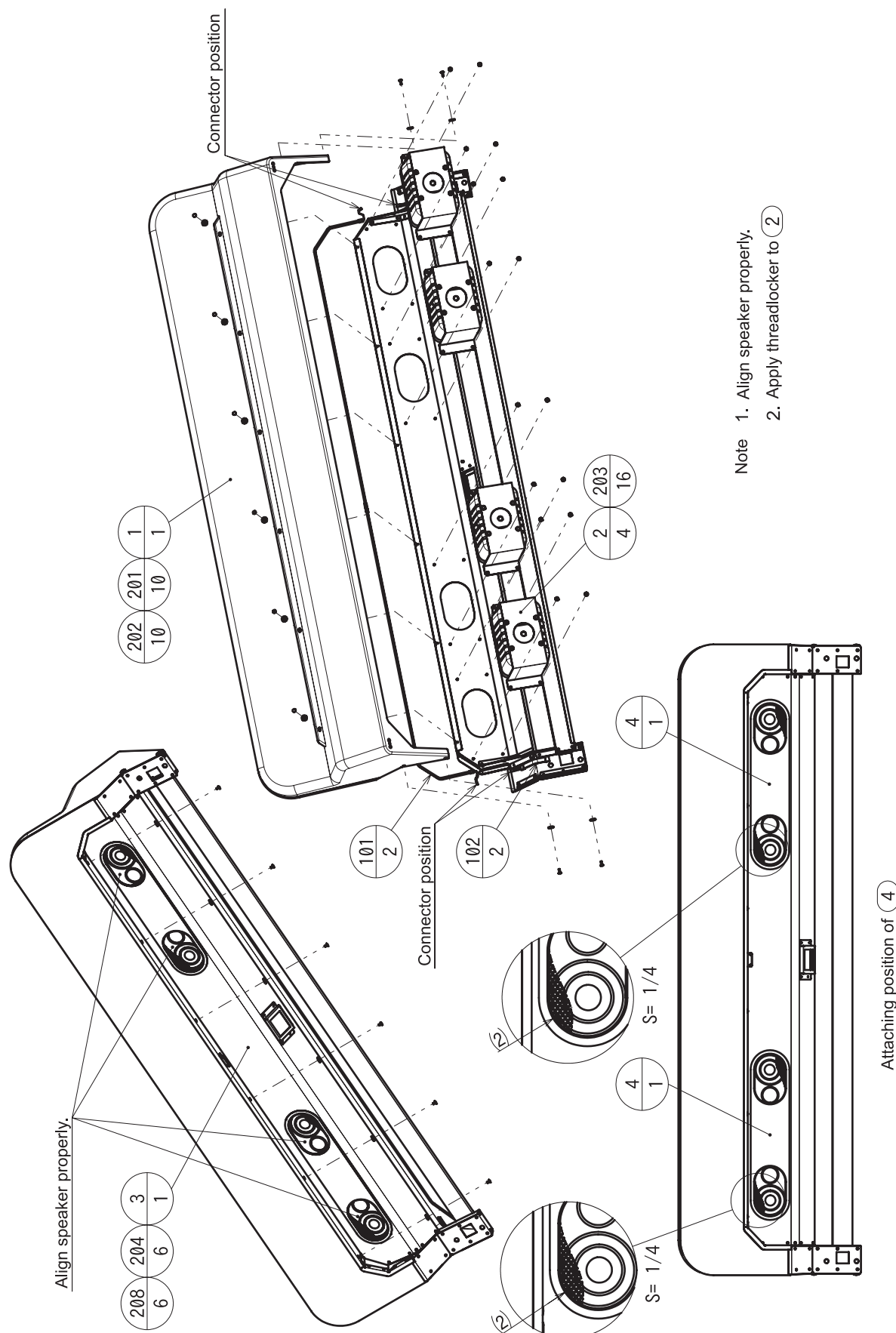
**(31) TSBG-MMT6002
ASSY WIRE 2P**

This is comprised of the following wire harnesses. ASSY drawing is not available.

Item No.	Part No.	Description	Note	Q/U
102	TSBG-MMT60018	WH EXT HEADPHONE 2P 2		
103	TSBG-MMT60019	WH ALLS AUDIO		
104	TSBG-MMT60020	WH ALLS COM		
105	TSBG-MMT60034	WH EXT SW BASE SENSOR 2P 2		
106	TSBG-MMT60035	WH EXT SW BASE LED 2P 2		
107	TSBG-MMT60052	WH EXT WHITE LED 2P 2		
108	TSBG-MMT60053	WH ALLS COM4		

(32) TSBG-MMT-180001
ASSY BILLBOARD

(D-1/2)

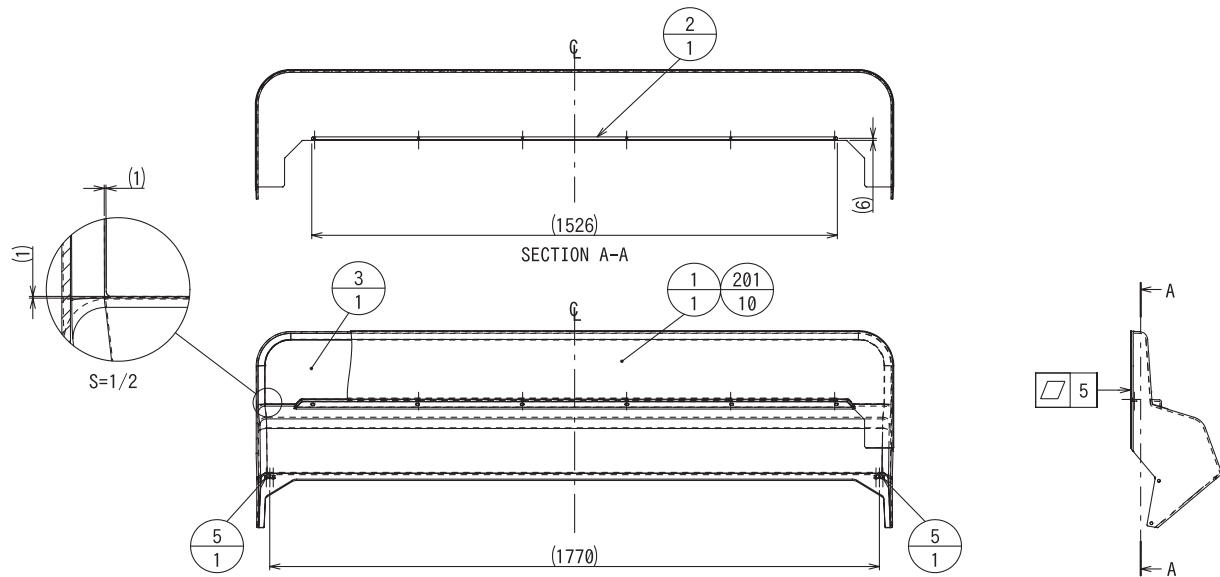


(32) TSBG-MMT-180001
ASSY BILLBOARD

(D-2/2)

Item No.	Part No.	Description	Note	Q/U
1	MMT-1810-01	BILLBOARD COVER		
2	TSBG-MMT1850	ASSY SPEAKER		
3	TSBG-MMT1801X	BILLBOARD BASE		
4	TSBG-MMT1802	STICKER SPEAKER		
101	TSBG-39057680950	LED TAPE RGB 16.7 12V 0950MM		
102	TSBG-39057680100	LED TAPE RGB 16.7 12V 0100MM		
103	280-8002	CLAMP LWST-0512 CLEAR NIX		
105	TSBG-2807892	CABLE MOUNT IN-CMW25		
201		TROX M4x8		
202		FLT WSHR NI 4.4-16x1.6		
203		FLG NUT M4		
204		TROX BLK M4x8		
208		FLT WSHR BLK 4.4-16x1.6		
301	TSBG-MMT60043	WH BILLBOARD		

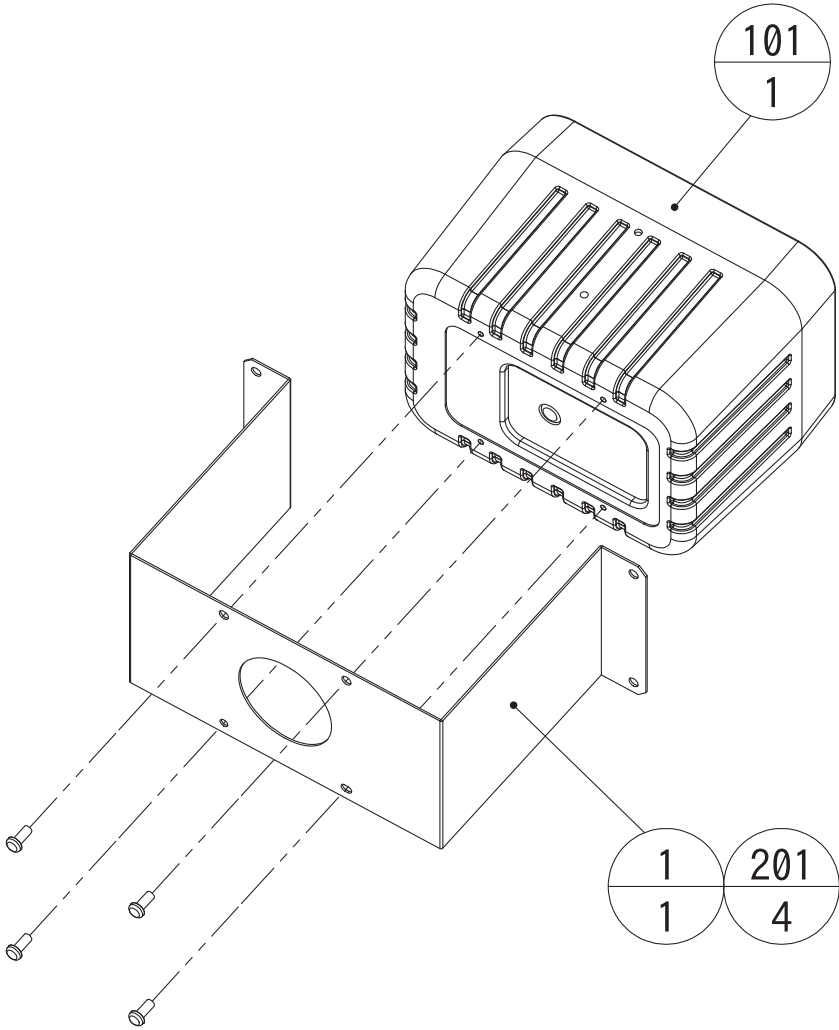
(33) MMT-1810-01
BILLBOARD COVER



Item No.	Part No.	Description	Note	Q/U
1	MMT-1811	BILLBOARD COVER BLANK		
2	MMT-1815	BILLBOARD COVER SASH		
3	MMT-1813	REFLECTION SHEET A		
5	TX-1029-XA	NUT PLATE		

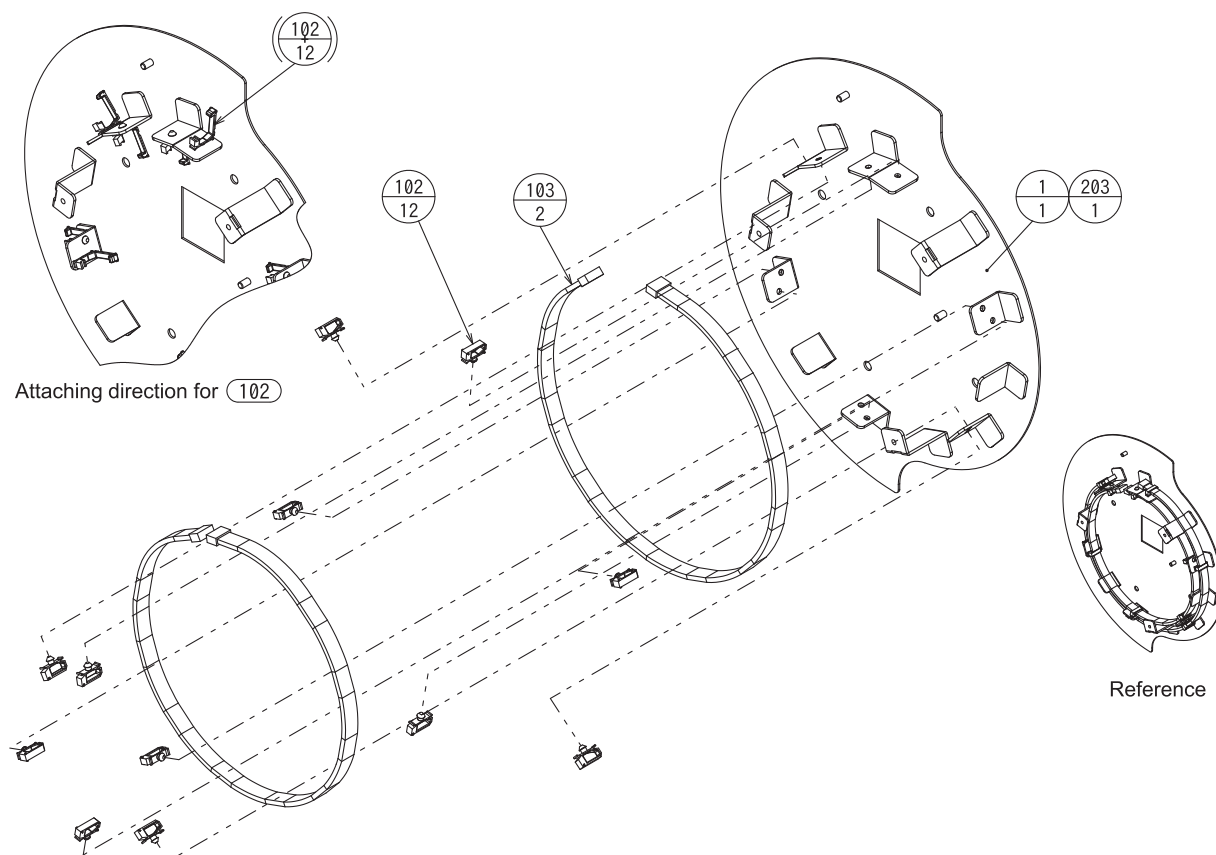
(34) TSBG-MMT1850

ASSY SPEAKER



Item No.	Part No.	Description	Note	Q/U
1	TSBG-MMT1851	SPEAKER BRKT		
101	130-5310	SPKR BOX 4OHM 40W S010D15104W		
102	TSBG-2807892	CABLE MOUNT IN-CMW25		
201		TAP SCR #2 PH 5x12		

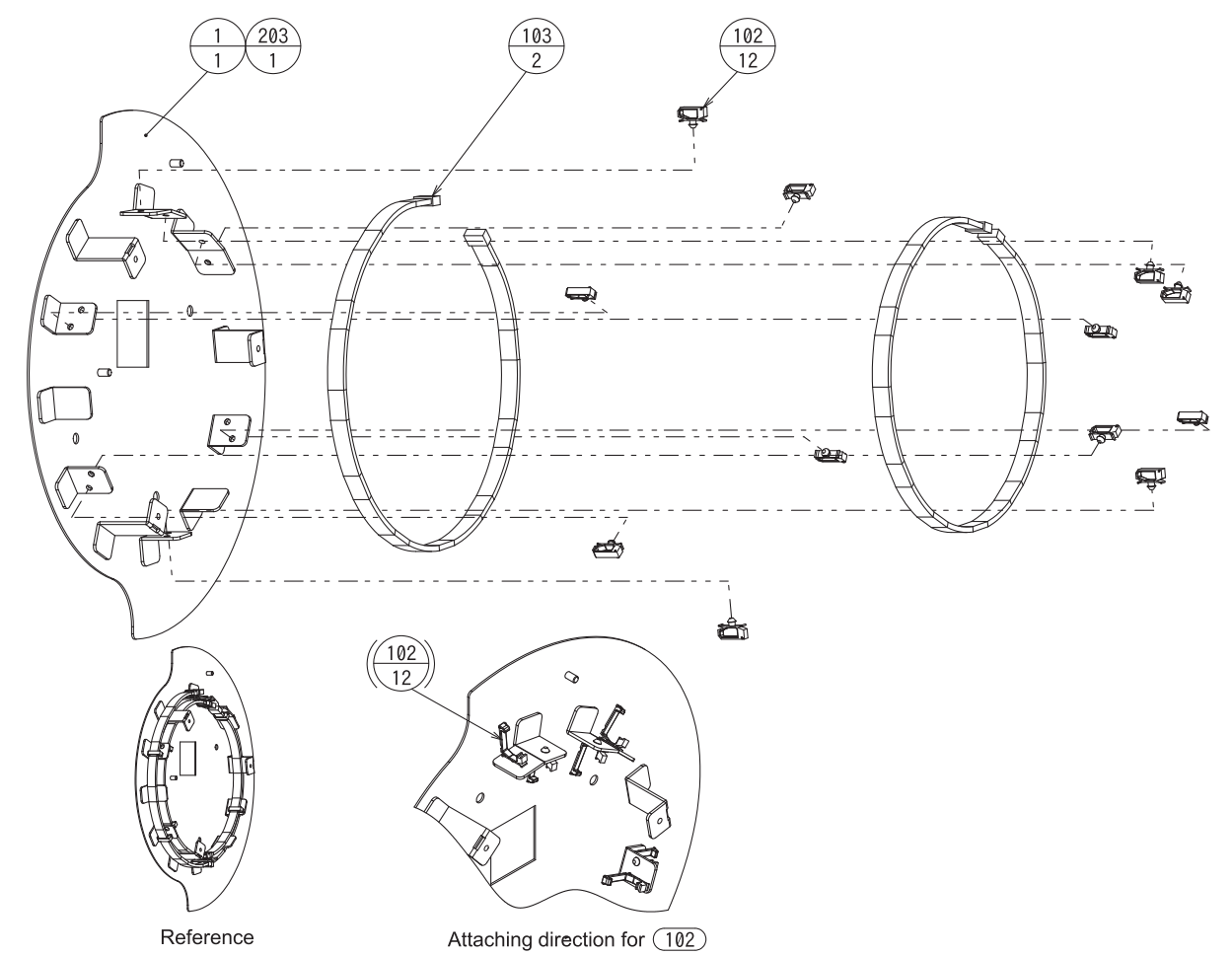
(35) TSBG-MMT1900 ASSY SIDE COVER BASE 1P



Item No.	Part No.	Description	Note	Q/U
1	TSBG-MMT1901	SIDE COVER BASE 1P		
101	TSBG-2807892	CABLE MOUNT IN-CMW25		
102	280-8001	CLAMP LWSM-0511 CLEAR NIX		
103	TSBG-39072440525	LED TAPE WHITE M3528W-A 0525MM		
203		FLG NUT M4		
301	TSBG-MMT60044	WH SIDE HEADPHONE LED		

(36) TSBG-MMT1950

ASSY SIDE COVER BASE 2P



Item No.	Part No.	Description	Note	Q/U
1	TSBG-MMT1951	SIDE COVER BASE 2P		
101	TSBG-2807892	CABLE MOUNT IN-CMW25		
102	280-8001	CLAMP LWSM-0511 CLEAR NIX		
103	TSBG-39072440525	LED TAPE WHITE M3528W-A 0525MM		
203		FLG NUT M4		
301	TSBG-MMT60044	WH SIDE HEADPHONE LED		

19-2 ROUTER KIT

List Formation Chart

- (1) TSBG-XKT2293EX1 ————— (2) TSBG-MMT4300
ROUTER KIT MMT EXP ASSY ROUTER

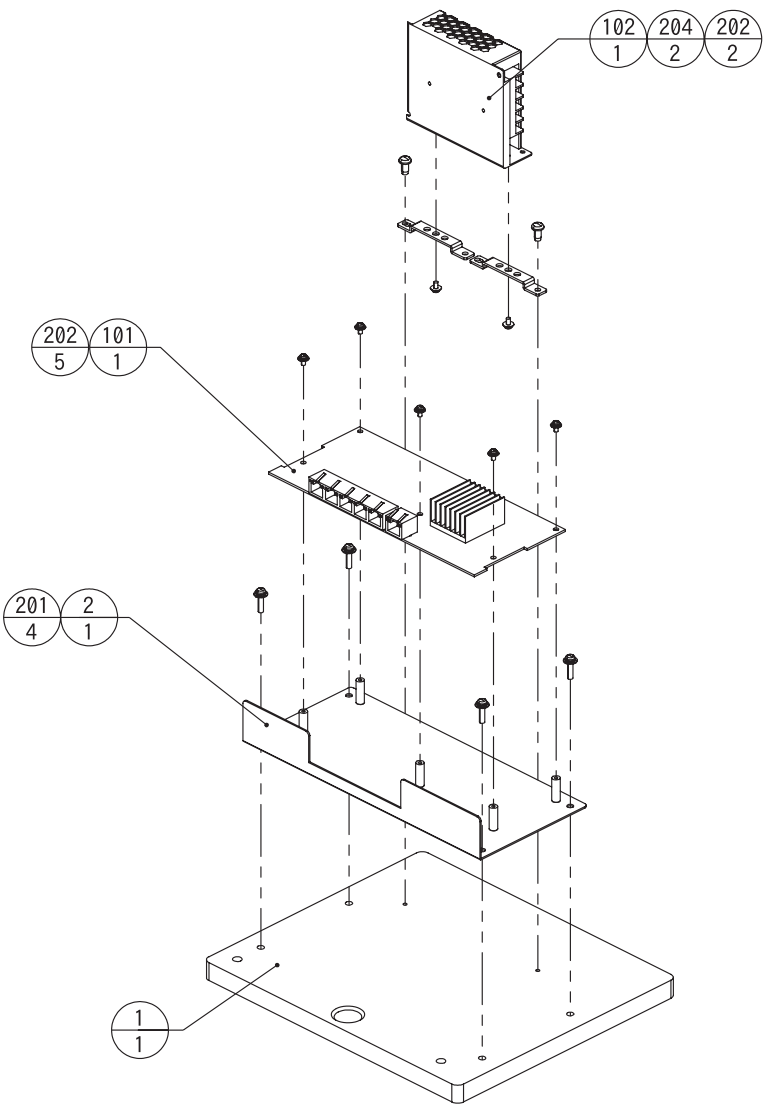
(1) TSBG-XKT2293EX1 ROUTER KIT MMT EXP

ASSY drawing is not available.

Item No.	Part No.	Description	Note	Q/U
1	TSBG-MMT4300	ASSY ROUTER		
401	TSGB-4207791	OWNERS MANUAL MMT ENG		
403	TSGB-420772101	SERVICE MANUAL ALLS HX2.1 ENG		
404	TSBG-42111708	STICKER SERVER		
406	TSBG-600726901	ASSY LAN CABLE 0100CM		
407	TSBG-600726950	ASSY LAN CABLE 5000CM		
408		FLT WSHR CRM 4.4-16x1.6		
409		M SCR PH W/S M4x35		

(2) TSBG-MMT4300

ASSY ROUTER



Item No.	Part No.	Description	Note	Q/U
1	TSBG-MMT4301	WOODEN BASE ROUTER		
2	TSBG-1055700	ROUTER HOLDER FOR RTX830		
3	TSBG-42112471	STICKER WAN AND LAN		
101	601-13203-63	ROUTER RTX830 BD MMT		
102	TSBG-MMTLRS5005	LRS-50-05		
104	TSBG-2805207	CORD CLAMP LF94-1		
201		SEMS M4x16		
202		SEMS M3x8		
204		TAP SCR TH 4.0x12		
301	TSBG-MMT6000701	WH ROUTER A/C		
302	TSBG-MMT6000801	WH ROUTER 5V		

MEMO

20 WIRING DIAGRAM

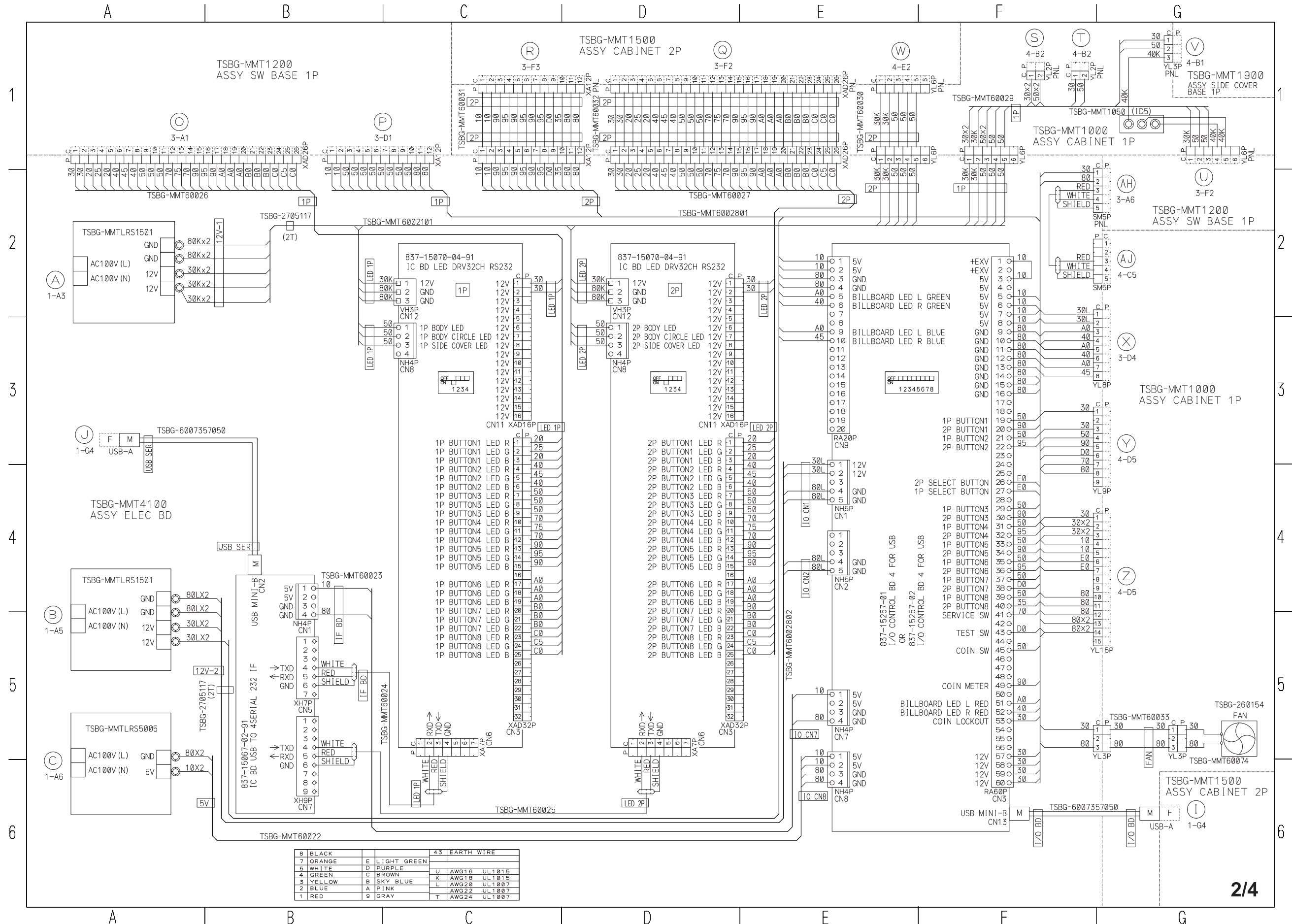
CABINET (D-1/4)

Specifications for regions using 110voltage area.



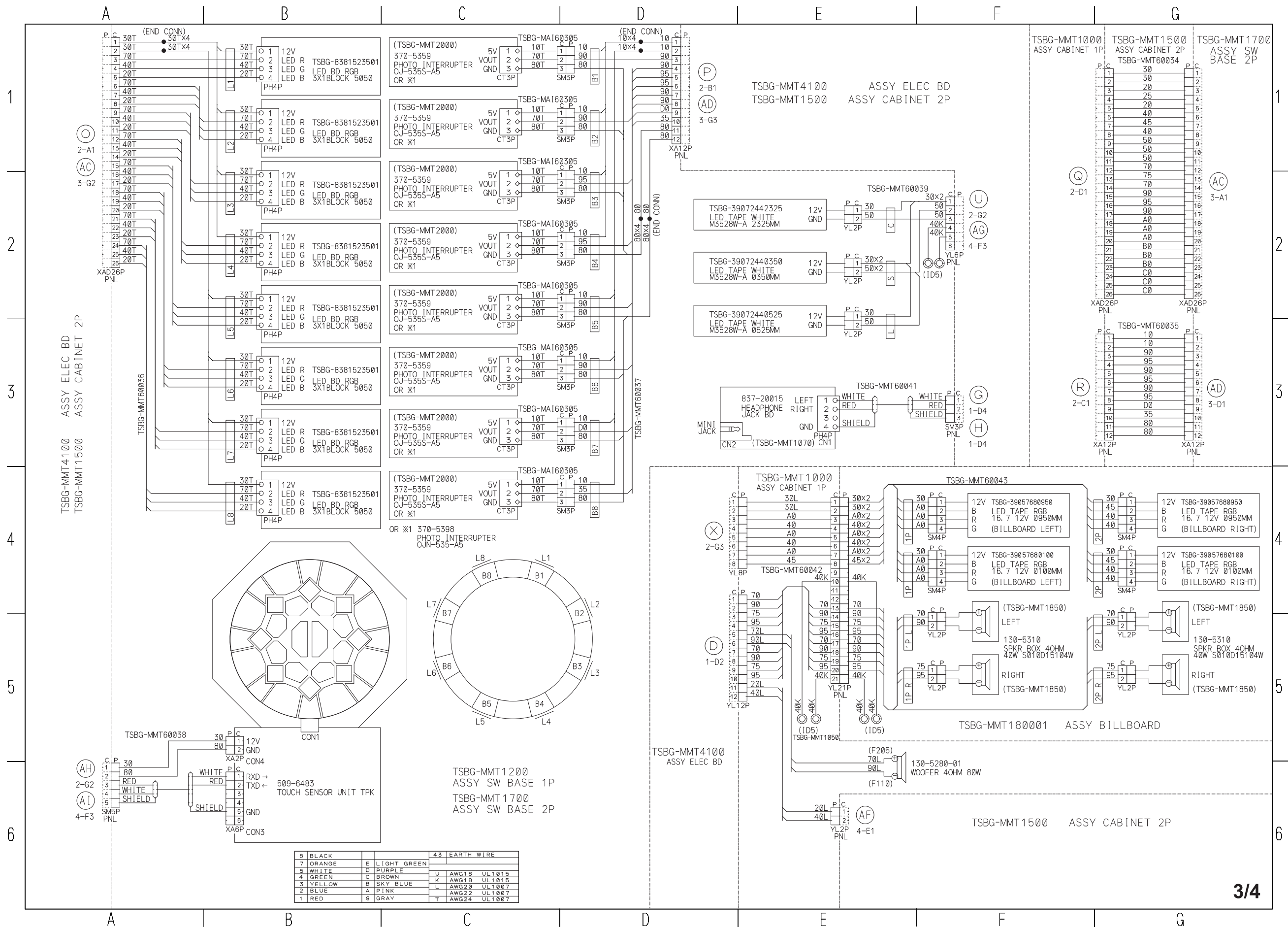
CABINET (D-2/4)

Specifications for regions using 110voltage area.



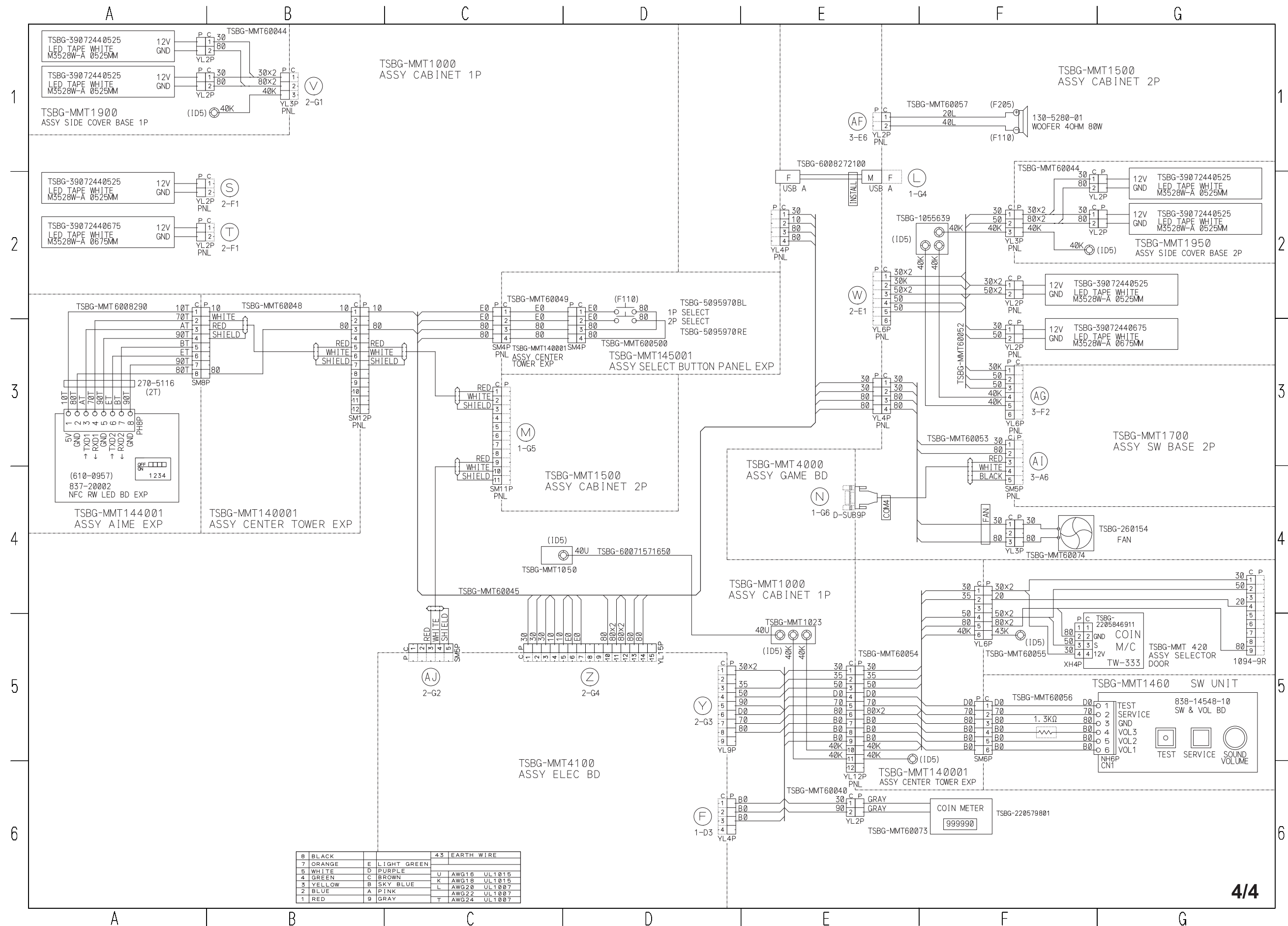
CABINET (D-3/4)

Specifications for regions using 110voltage area.



CABINET (D-4/4)

Specifications for regions using 110voltage area.



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