

DARTSLIVE3 LITE

INSTRUCTION MANUAL

DARTSLIVE 3

L I T E

INSTRUCTION MANUAL



CAUTION

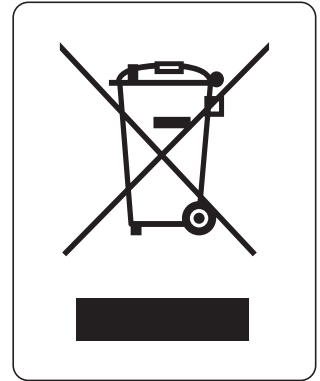
- Before using this product, read this manual carefully to understand the contents herein stated.
- After reading this manual, be sure to keep it near the product or in a convenient place for easy reference when necessary.

WEEE Statement

The WEEE (Waste of Electrical and Electronic Equipment) directive places an obligation on all EU based manufacturers and importers of Electrical and Electronic Equipment to take back products at the end of their useful life. SAS Dartslive Europe accepts its responsibility to finance the cost of treatment and recovery of redundant WEEE in France in accordance with the specified WEEE recycling requirements.

The following symbol will be on all products manufactured from 13th August 2005, which indicates this product must NOT be disposed of with other normal waste. Instead, it is the user's responsibility to dispose of their waste equipment by arranging to return it to a designated FR collection point for the correct recycling of waste electrical and electronic equipment.

For more information about where you can send your waste equipment for recycling contact your local authority office.



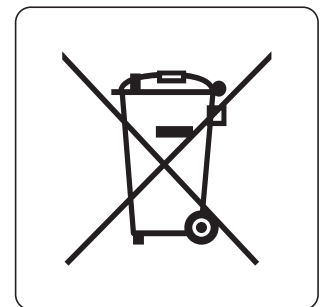
Battery Recycling Statement

The EC Directive on Batteries and Accumulators (2006/66/EC) aims to minimize the impact of batteries on the environment and encourage the recovery of the materials they contain. To achieve increased collection and recycling of waste batteries, the Directive places 'producer responsibility' obligations on manufacturers and importers of portable, industrial and automotive batteries.

The following symbol will be on all equipment fitted with batteries from 26th

September 2008 and indicates they must NOT be disposed of with other normal waste. Instead, it is the user's responsibility to dispose of used batteries by arranging to return them to a designated collection point for the correct recycling of waste batteries.

For more information about where you can send your waste batteries for recycling contact your local authority office.



BEFORE USING THE PRODUCT, BE SURE TO READ THE FOLLOWING:

- The instructions concerning persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge and children playing with the appliance are not applicable.
- **Perform work in accordance with the instructions herein stated.**

Instructions for work are explained by paying attention to the aspect of accident prevention. Failing to perform work as per the instructions can cause accidents. In the case where only those who have technical expertise should perform the work to avoid hazardous situation, the instructions herein state that the technical personnel should perform such work.
- **Always turn off the power before working on the machine.**

Be sure to turn off the power and unplug the power cable before carrying out any work that requires direct contact with the interior of the product. If the work is to be performed in the power-on status, this manual always states so.
- **Be sure to ground the earth terminal.**

This product is equipped with the earth terminal. When installing the product, make sure that the earth wire is grounded, and connect the terminal to the wire. Unless the product is grounded appropriately, people can be subject to an electric shock. After performing repair, etc. for the control equipment, ensure that the earth wire is firmly connected to the control equipment.
- **Ensure that the power supply used is equipped with an earth leakage breaker.**

Using a power supply which is not equipped with the earth leakage breaker can cause a fire when earth leakage occurs.
- **Specification changes not designated by DARTSLIVE are not allowed.**

The parts of the product include warning labels for safety, covers for personal protection, etc. It is very hazardous to operate the product by removing parts and/or modifying the circuits. Doing so may cause fire or electric shock. Should doors, lids and protective parts be damaged or lost, refrain from operating the product, and contact your product retailer.

DARTSLIVE shall not be held responsible for any accidents or compensation for damage to a third party, resulting from the specifications not designated by DARTSLIVE.
- **Be sure to check for electrical specifications.**

Ensure that the product is compatible with the power supply voltage and frequency requirements of the location.

The product has a nameplate on which electrical specifications are described. Using any electrical specifications different from the designated specifications can cause a fire and an electric shock.
- **Install and operate the product in places where appropriate lighting is available, allowing warning labels to be clearly read.**

To ensure safety for the customers, labels and printed instructions describing potentially hazardous situations are applied to places where accidents can be caused. Ensure that where the product is operated has sufficient lighting allowing the warnings to be read. If any label is peeled off, apply it again immediately. Please place an order with your product retailer.

- **Be sure to adjust the monitor properly.**
Do not operate the product leaving on-screen flickering or blurring as it is. Using the product with the monitor not properly adjusted may cause dizziness or a headache to the players and the people around them.
- The appliance is not suitable for installation in an area where a water jet could be used.
- The appliance must not be cleaned by a water jet.
- **When transporting or reselling this product, be sure to attach this manual to the product.**
- Even in the case where commercially available monitors and printers are used in this product, only the contents relating to this product are explained herein. Some commercially available equipment have functions and reactions not stated in this manual. Read this manual together with the specific instruction manual of such equipment.
- Descriptions herein contained may be subject to improvement changes without notice.
- The contents described herein are fully prepared with due care. However, should any question arise or errors be found, please contact your product retailer.

INSPECTIONS IMMEDIATELY AFTER TRANSPORTING THE PRODUCT TO THE LOCATION

Normally, at the time of shipment, DARTSLIVE products are in a status allowing for usage immediately after transporting to the location. Nevertheless, an irregular situation may occur during transportation. Before turning on the power, check the following points to ensure that the product has been transported in a satisfactory status.

- ☐ Are there any dented portions or defects (cuts, etc.) on the package or external surfaces of the cabinet?
- ☐ Are casters and adjusters damaged?
- ☐ Are the power supply voltage and frequency compatible with the power supply specifications of the installation location?
- ☐ Are all wiring connectors properly and securely connected?
(The connectors will not fit unless they are in the correct orientation. Do not push them forcibly.)
- ☐ Does power cable have any cuts or dents on it?
- ☐ Are all accessories available?

WARRANTY

The warranty period of this product is six months from our shipping date.

When a fault occurs within the warranty period under normal use conditions following the attached instruction manual or other instructions, we will ship the substitute for the subject parts at no charge. When you encounter a fault on the product, turn off the power switch, disconnect the power cable at the power supply, and contact your product retailer.

Please note that the following faults are excluded from the warranty. (Repair may be possible, but it will be charged.)

- (1) Faults due to force majeure such as earthquake, flood, tsunami, or volcanic eruption.
- (2) Faults due to improper handling of the equipment, such as damage from dropping them.
- (3) Faults due to incorrect operation of the equipment.
- (4) Faults due to way of using them not in compliance with the conditions for installation and usage specified in this manual.
- (5) Faults due to specification change (i.e., addition or modification of equipment) not specified by us.
- (6) Faults due to user's actions either on intention or by mistake.
- (7) Faults due to failing to exercise required periodic inspection.
- (8) Faults caused by equipment other than this product.
Malfunction such as flickering screen, due to radio waves, magnetic interference, or other factors generated from other equipment.
- (9) Faults due to deterioration of parts considered as expendables.
 - a) Fluorescent lamps and other lamps.
 - b) Switches and buttons.
 - c) Levers and joysticks.
 - d) Fuses.
 - e) Promotional materials, POP signage, and advertisement flags.
 - f) Stickers.
 - g) Sensor cover and Target door board cover.
 - h) Items accompanying the target such as segments, spiders, and LEDs.
 - i) Items specifically designated in this manual as consumables.
- (10) Network failure due to causes not relating to the product.
 - a) Network environment at the shop (LAN cable , switching hub, etc.).
 - b) Internet connection, Internet service providers, and other Internet environment.
 - c) Server failure, etc.

We will not bear responsibility for any loss of profits or other indirect damages caused by unavailability of this product.

We do not guarantee the data that may be lost due to parts replacement during repair.

Copyright of software

The copyright of the software included in this product belongs to DARTSLIVE. Co., Ltd. or the copyright holder of each software. Any act that infringes the copyright holder's rights, such as modification, decompilation, and reverse engineering, without the consent of the copyright holder is prohibited.

This product uses Windows 10 IoT Enterprise. In using this software, you must comply with the license agreement provided by Microsoft. For details, please visit Microsoft's website and confirm "Microsoft Software License Terms".

ABOUT THIS INSTRUCTION MANUAL

This manual provides and explains in detail all the information on overall operation from electronic assembly, electro mechanism, maintenance management, spare parts, and other matters related to this product, DARTSLIVE3 LITE.

This manual is intended for owners, administrators, and operators of this product. Read this manual carefully and fully understand the contents before using the product.

The information described in this manual is fully prepared with due care. Contact your product retailer if you cannot perform work as described in this manual or cannot achieve proper functions. People other than technical personnel should never touch the system inside.

Contact your product retailer to repair the machine or to request purchase of the components (consumables). When you have lost this INSTRUCTION MANUAL, you can also place order to get it.

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

Warning Signs

Make sure you fully understand the meaning of and notes on the warning signs indicated on this manual and the cabinet, and operate the product in proper and safe manner.

 DANGER	Explanations that require particular attentions are classified and specified as DANGER, WARNING, or CAUTION, depending on severity of the potential hazard.
 WARNING	Indicates that mishandling the product by disregarding this pictograph will cause severe injury or death.
 CAUTION	Indicates that mishandling the product by disregarding this warning will cause a potentially hazardous situation which can result in death or serious injury.

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

	Indicates "Electric Shock Hazard." It indicates the possibility of electric shock under certain conditions.
	Indicates "High Temperature Hazard." It indicates the possibility of injury from high temperatures under certain conditions.
	Indicates "Hand Hazard." It indicates the possibility of injury caused by a finger or hand being caught in a door or the like.
	Indicates "Prohibition." It indicates what should not be done when handling the product.
	Indicates a "Protective Earth Terminal." Before operating the equipment, be sure to connect it to the ground.

In this manual, information that are important but not leading to personal injury or material damage are indicated with the following pictographs.

 IMPORTANT	It indicates important matters upon installation, operation, and maintenance and inspection of the product.
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WARNING

Procedures not described in this manual or marked as to be carried out by "Site Maintenance Personnel" or "Serviceman" should not be carried out by personnel without the necessary knowledge and skills. Work carried out by unqualified persons may cause serious accidents, including electrocution. For safety reasons, if there is no one with knowledge or skill, ask your product retailer to carry out necessary operation.

Part replacement, maintenance and inspection, and handling of abnormalities should be performed by Site Maintenance Personnel or Serviceman. This manual instructs especially dangerous work to be performed by Serviceman with expert knowledge. Site Maintenance Personnel and Serviceman are defined in the manual as below.

Site Maintenance Personnel

Person who has experience of maintenance of amusement machines, vending machines, and other equipment. Under the management of the owner and operator of this product, the person engages in the maintenance of equipment through installation, maintenance and inspection, and replacing consumable parts on a daily basis in amusement facility or in the shop.

Activities of Site Maintenance Personnel

Installation, maintenance, and inspection of amusement machines and vending machines, as well as replacement of units and consumable parts thereof.

Serviceman

Person who engages in design, manufacture, inspection, and maintenance services of equipment at amusement machine manufacturers. Person with expertise in electricity, electronics and mechanical engineering equal to or higher than those of graduates from technical high schools, and engaging in maintenance and management as well as repair of amusement equipment on a daily basis.

Activities of Serviceman

Installation of amusement machines and vending machines; repair and adjustment of electric, electronic and mechanical parts.

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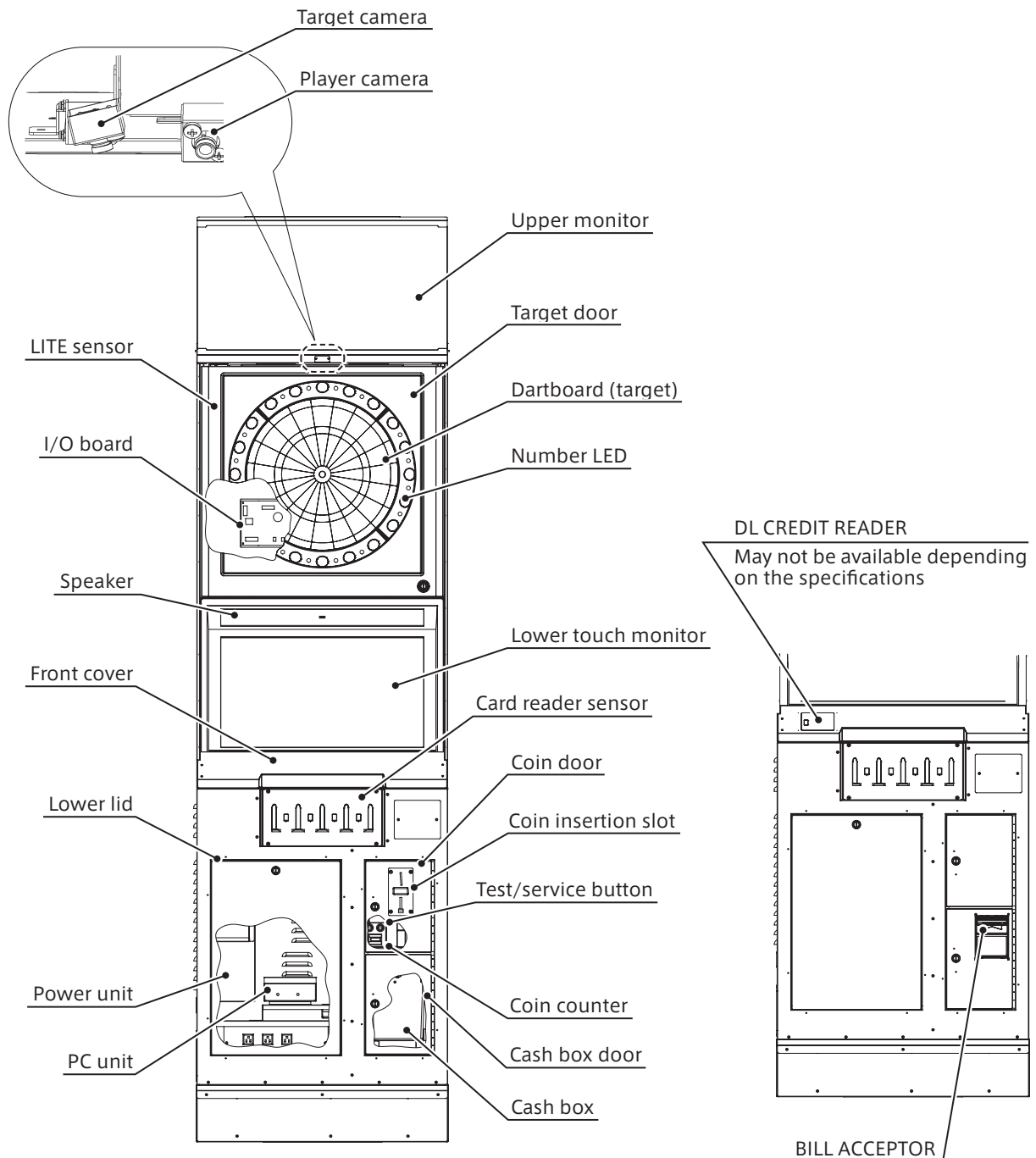
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1 Product Specification

Specification and part description

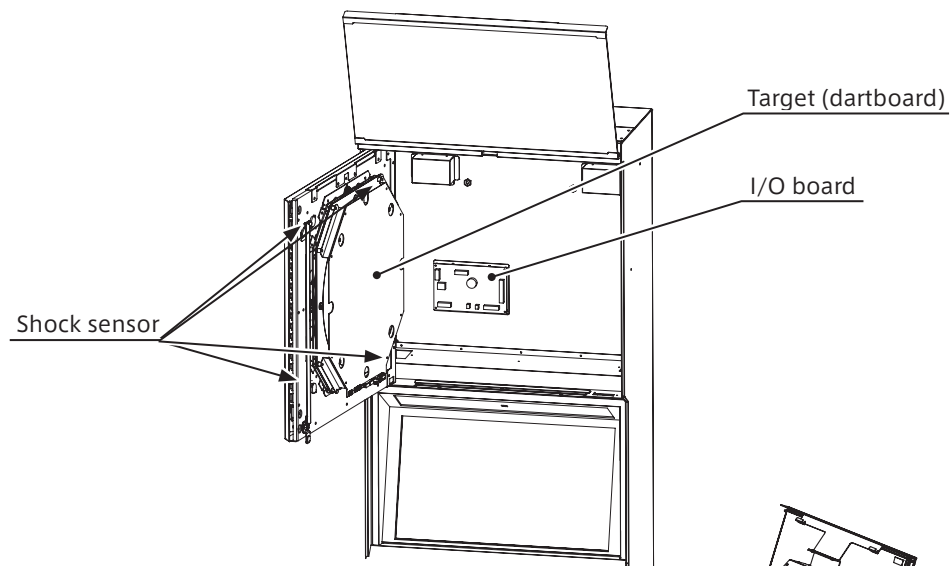
■ Specification

Required area	650 mm (width) x 655 mm (depth)
Height	2,395 mm
Weight	115 kg
Power consumption, maximum current	90W, 1.1A (AC 100V, 50-60Hz)

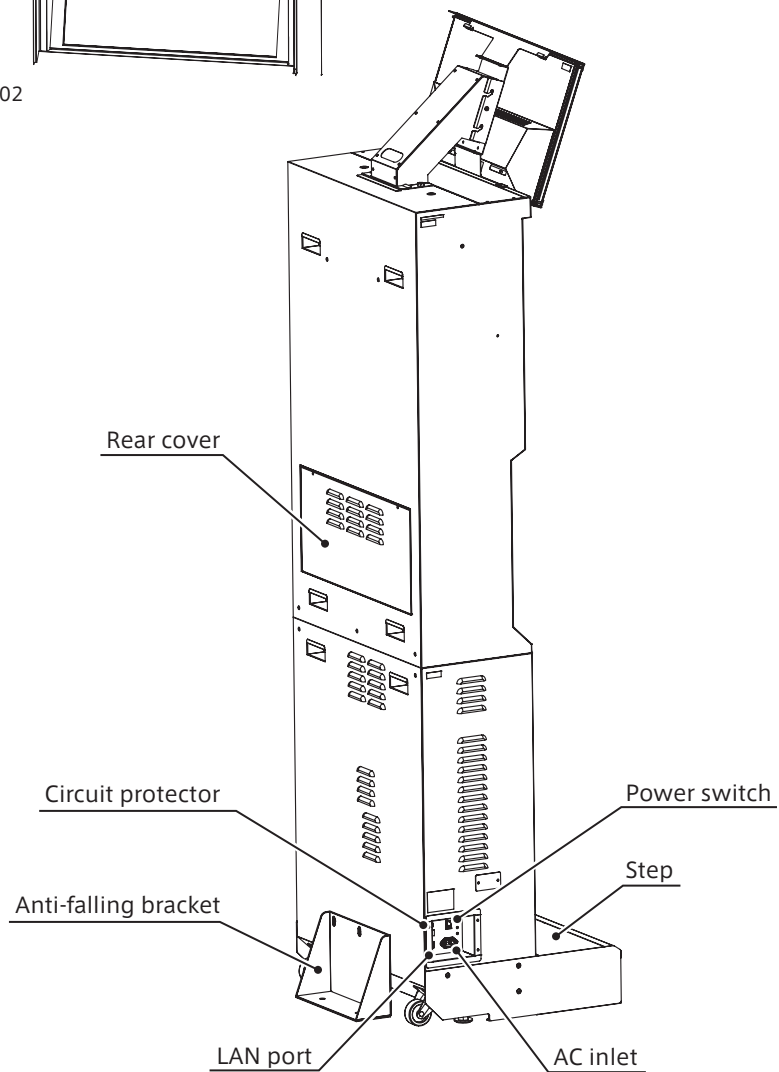


There are some units with specification without the parts marked with "**", such as those for China.

1 Fig. 01



1 Fig. 02



1 Fig. 03

■ Main dimensions and weight of the unit before installation

Description	Width (mm)	Depth (mm)	Height (mm)	Weight (kg)
27 inch upper monitor (including stand)	650	430	274	7
Upper cabinet	650	325	1,154	53
Lower cabinet (including step cover)	650	575	915	52
Anti-tip bracket	306	100	205	3
Completed unit	650	655	2,395	115

2 Handling Precautions

When installing and inspecting this product, pay careful attention and note the following points so that people can enjoy the game safely. Improper handling that is contrary to the following and the precautions described in this manual may cause personal injury and damage to the machine.

WARNING

- Perform the work and check as instructed in this manual. Failure to follow the instructions may result in electric shock and other accidents or critical failure. In addition, customers may be injured during its operation.
- Be sure to turn off the power before the work. Failure to do so may cause electric shock, short circuit, or fire. If the work is to be done with power on, it is instructed as such in this manual.
- Do not connect or disconnect the power plug in a hurry. Doing so may cause electric shock or failure.
- Do not connect or disconnect the power plug with wet hands. Doing so may cause electric shock or failure.
- Do not expose the power cable or ground wire on the aisle. They may get damaged and cause electric shock, short circuit, or fire. Prepare a wiring protection cover where wiring is placed on the floor.
- Do not place things on or damage the power cable. They may cause electric shock, short circuit, or fire.
- Do not pull on the power cable during or after installation. The damaged cord may cause electric shock, short circuit, or fire.
- When the power cable is damaged, contact your product retailer for a replacement. Keep using it as it is may cause electric shock, short circuit, or fire.
- Be sure to ground the earth wire. Improper grounding may cause electric shock.
- Hold the connector body to plug it in or pull it out. Working while holding a part other than the connector body may damage the cable and connector terminal fittings, resulting in electric shock, short circuit, or fire.
- When connecting the connectors, check their type and orientation and make sure that they are firmly connected. Orientation of the connector to connect is fixed. Carelessly applying loads may damage connectors and terminal fittings, causing electric shock, short circuit, or fire.
- Be careful not to damage the wiring. It may cause electric shock, short circuit, or fire.
- Do not twist or pull the wiring. Damaged conductors may cause a failure or fire.
- Do not touch any parts other than those specified. Doing so may cause electric shock, short circuit, or fire.
- Be careful not to lose fasteners (screws, nuts, washers, etc.). Touching current-carrying part with metal fasteners may cause electric shock, short circuit, or fire.
- Do not use deformed or damaged fasteners (screws, nuts, and washers). Replace them with the fasteners specified in this manual. If you have lost a fastener, use the fastener specified in this manual. Using unspecified fasteners may cause accidents such as parts falling off.
- Please note the following when handling heavy objects. Failure to do so may result in tripping, falling parts, or serious injury.
 - Prepare appropriate number of personnel. Weight supported by one worker should be about 15 kg.
 - Watch your step. Be careful not to slip or trip.

WARNING

- Do not implement specification change (addition or modification to the unit) not specified by us.
 - It may cause electric shock or fire.
 - It may cause poor physical conditions of the user and people around while the product is in operation.
 - In case of an accident while the unit is not in our specification, we do not take any responsibility including liability to third parties.
- Doing work or replacing parts not described in this manual may cause an accident. When you need to perform a work that is not described in this manual, contact your product retailer to request the work or to get the detail of the work.
- Be sure to perform the periodic inspection described in this manual.

CAUTION

- In order to work safely, perform the work in suitable clothing. We recommend use of gloves and safety shoes to prevent accidents and injuries.
- Be careful not to get your fingers caught when opening, closing, installing or removing the components.
- Be careful when working inside the cabinet. You could be injured by hitting yourself to something or by being caught on something.
- Handle glass and plastic components carefully. These parts may fracture, and their fragments and cracks may cause injuries.
- When fastening glass or plastic parts, be careful not to tighten screws and nuts too much. These parts may fracture, and their fragments and cracks may cause injuries.
- Be careful when placing a part made of glass. If it is laid against a wall surface or is put on the surface with protrusions or pebbles, it may break by its own weight, and its fragments may cause injuries.

IMPORTANT

- When performing periodic inspection or parts replacement, refer to the applicable items in this manual in advance and prepare necessary tools before starting work.
- Do not perform circuit inspection on the IC board. Inspection without special measuring equipment and instruments may cause damage to the board.
- Electronic components on the IC board may fail by static electricity from the human body. Before handling an IC board, discharge static electricity from your body by measures such as touching a grounded metal surface.
- Some of the parts used in this product are not the ones designed and manufactured specifically for this product. When these parts are discontinued or their specifications are changed due to the manufacturer's circumstances, we may not be able to satisfy the requests for repair or replacement even within the warranty period of this product.
- Do not turn on and off the power switch repeatedly in a short time. Doing so may cause failure or damage to the components.
- Be careful not to drop the removed fasteners (such as screws, nuts, and washers) into the cabinet. It may cause failure or damage to the components.
- This product is equipped with an LCD monitor. Be careful when cleaning the LCD monitor screen as it is easily damaged.

Stickers

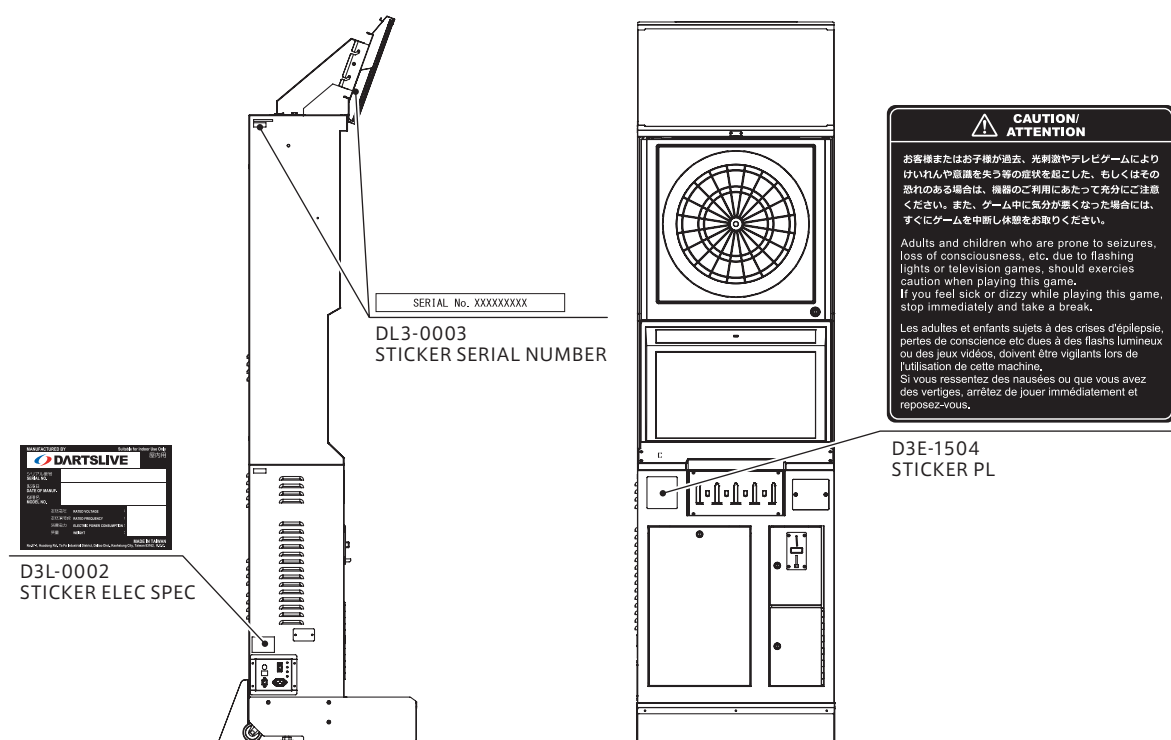
Our products are attached with a sticker stating its product serial number and electrical specifications.

When making inquiries for repair request or other matters, check the model and serial number on the sticker before making contact.

The serial number indicates the type and history of the product. Units of the same model produced in different times may be constructed with different parts. In addition, the product may be changed for improvement after the publication of this manual. In order to take actions quickly in various cases, provide the serial number when contacting the product retailer.

Warning Signs

We provide warning signs on our products by attaching stickers to or printing them on the locations where hazards are expected. These signs are to prevent accidents involving customers and to avoid hazards related to maintenance work. There are some parts inside the cabinet where accidents can occur just by touching them, such as high-voltage sections. Pay attention to the warning signs when performing maintenance work. In particular, repair and replacement work not described in this manual should be performed by a technician who has knowledge on electrics. To prevent accidents, when a customer acts against the warnings, warn such person to stop the act.



2 Fig. 01

3 Precautions for Installation Location

WARNING

- This product is an electrical product intended for indoor use. Do not install the unit outdoors. Also, do not install it at the following places even if it is indoor. It may cause fire, electric shock, injury, or a fault.
 - Place where rain or water leaks, around indoor pool or shower, and other places with high humidity.
 - Place exposed to direct sunlight, around heaters, and other places with high temperatures.
 - Place filled with flammable gas or around flammable or volatile chemicals or hazardous materials.
 - Place with a lot of dust.
 - Slopes, steps, or other unstable places.
 - Places with severe vibration.
 - Around emergency exits, fire extinguishers, and other disaster prevention equipment.
 - Place where the ambient temperature exceeds the applicable operating temperature of 5 °C to 30°C.
- Install the product with its back facing the wall. Also, never install it where people pass by close. Darts thrown by the player may cause injury to someone.

Conditions for usage

WARNING

- Be sure to check for electrical specifications. Ensure that the product is compatible with the power supply voltage and frequency requirements of the location. The product has a nameplate on which electrical specifications are described. Using any electrical specifications different from the designated specifications can cause a fire and an electric shock.
- Circuit breaker and grounding mechanism for this product are required at the location of installation. Not using the product as a standalone unit may result in fire or electric shock.
- Indoor wiring for power supply should be single-phase 100-240 V AC at 7 amps or more. Using any electrical specifications different from the designated specification can cause fire and electric shock.
- Be sure to use individual power supply with the earth leakage circuit breaker. Using a power supply without an earth leakage circuit breaker may cause fire when electric leakage occurs.
- Avoid octopus wiring. Overloading may cause overheating or fire.
- When using an extension cable, use a cable with a rating of 7 amps or more. Using a cable rated below the specified rating may cause fire or electric shock.
- Under the environment with electromagnetic interference such as surge, the performance of this machine will be degraded and it requires the user to reset for resuming it to normal operation.

The maximum current on this machine is
1.1 A (AC 100V 50-60 Hz)

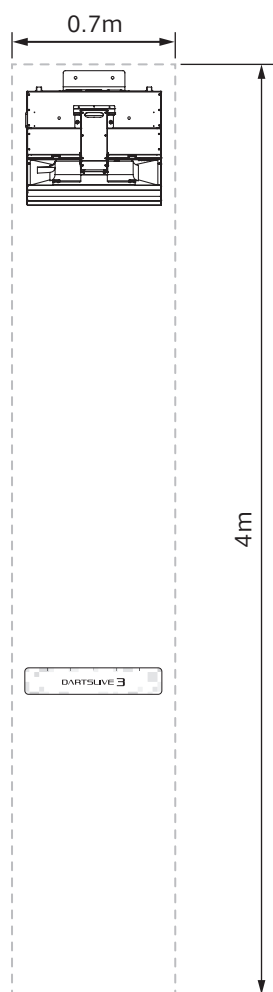
Operation area

WARNING

- For safe operation, secure area with minimum width and depth of 0.7 m x 4 m to put this product in operation and commercial use.
- Be sure to provide ventilation space specified in this manual. Do not block the ventilation openings. It may cause overheating and fire accident.
- In case of accident due to operation of the product in area smaller than specified in this manual, we will not bear any responsibility including compensation liability to third parties.

IMPORTANT

When bringing this product inside, the doorway must have a minimum width of 0.7 m and height of 1.2 m.



3 Fig. 01

When installing this product, leave at least 10 cm on both sides of the cabinet. Maintenance work is performed with doors opened. Small space around the cabinet can cause accidents during maintenance work.

4 Operation Precautions

Observe the following precautions for safe operation of this product.

4 - 1 Precautions during Operation

WARNING

To prevent accidents, check the following before starting commercial operation.

- Operate this product under sufficient lighting that allows the players and other customers to read warning signs so to prevent them from getting poor physical conditions such as dizziness and headaches. Apart from poor physical condition, insufficient lighting can also cause contact or collision between the customers, and other unexpected problems.
- Prepare a facility where player who is feeling sick can take a rest.
- Check that all the adjusters are touching the floor. If not, the cabinet may move and cause an accident.
- Do not place heavy objects on top of this product. It may drop or damage the components.
- Do not climb on this product. Doing so may cause a fall and trip accident. To look at high places, prepare a step.
- Check that the door and cover parts are not damaged or fell off. It may cause electric shock accident.
- Do not place the following items on or around this product or the LCD unit. It may cause electric shock, short circuit, or damage to the components.
(Vases, flowerpots, cups, aquariums, cosmetics, containers containing chemicals, water, etc.)

CAUTION

- During daily cleaning, be sure to inspect for the scratch or crack on the surface of the target door (darts board), card reader, touch screen, and other parts that the player touches, and for loose fixing screws. Playing with the unit with scratches, cracks, or loose screws may cause injury to the player.
- To prevent accidents, consider the condition of the crowd and secure enough space in the location where the unit is installed. Small space may cause the customers to touch and collide with other people, causing accidents and troubles.

4 - 2 Precautions during Commercial Operation (Attentions to Customers)

To prevent accidents and unnecessary trouble, always pay attention to the behavior of customers and players.

WARNING

- Do not let the following persons play the unit. They may cause accident or injury.
 - Drunken person
 - Those who act against the warning signs on the machine
- Even if a person has not experienced poor physical condition caused by light stimulation or the like, he/she may experience dizziness or headache depending on his/her physical condition during play. In particular, young children are underdeveloped and more likely to get poor physical condition due to play. Be sure to get their guardians to watch young children while they are playing.
- Encourage those getting poor physical condition to see a doctor.
- Do not place heavy objects or drinks on top of this product. It may cause accident with falling object or electric shock due to spilled drinks.
- Do not allow them to put hands, fingers, or foreign objects into the openings or gaps between the doors of this product. Doing so may cause electric shock or short circuit.
- Stop them immediately from leaning or climbing on this product. They may cause trip or fall accident.
- Do not let them unnecessarily disconnect the power cable. It may cause electric shock or short circuit.
- This product is intended for ages 16 and up.
- Persons under 16 years of age should be allowed to use this product under the control and supervision of a person who has appropriate knowledge and skills.

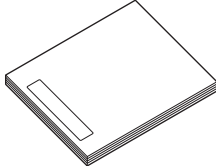
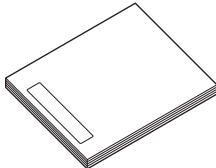
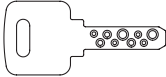
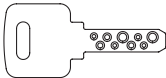
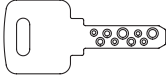
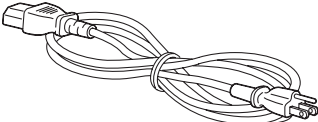
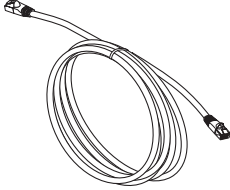
CAUTION

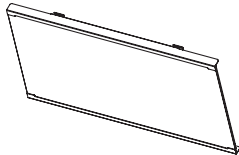
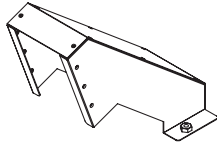
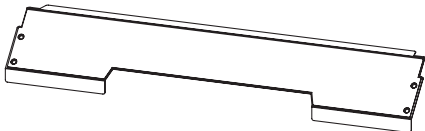
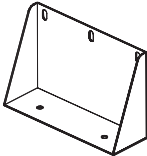
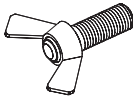
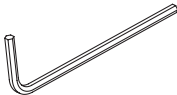
- Stop them immediately from taking violent actions such as hitting or kicking the product. It may result in damage to the components or trip accident, which may result in injury due to broken pieces or a trip accident.
- Insert the card in the direction of the arrow so that its front side is visible. Inserting it in the wrong direction may cause network communication error. In that case, re-insert the card in the correct direction.

5 Accessories

When the product is delivered, confirm that you have the parts shown in the table below. Parts that say "Spare" in their "Application, etc." column are consumables that are included for spares. For consumables not on this table, see "WARRANTY" at the beginning of this manual.

■ List of included parts

Part / Part No.	Description / Application, etc.	Qty
INSTRUCTION MANUAL D3L-7101EG	 This manual	1
OWNERS MANUAL D3L-7102EG	 	1
Maintenance Key KEY-880A-A001	 For target door and lower door (L)	2
Coin Chute Key KEY-880A-A002	 For lower door (R)	1
Cash Box Key KEY-880A-C	 When shipping from the factory, the key is hung inside the coin door.	2
Power Cable Specifications vary by country. Refer to your product retailer for the model number.		1
LAN Cable 10m		1
Throw Line Sticker DL3-7001		1

Part / Part No.	Description / Application, etc.	Qty
Upper monitor D3E-0500 (Monitor stand is packaged separately)		1
Monitor stand (with hooks) D3E-0501		1
Front cover D3E-1006+D3L-1010		1
Anti-falling bracket D3E-0001		1
Screw M4 x 8 (black) Plain/spring washers attached		2
Low Bow Hex screw M4 x 8 (black)		5
Hexagon Head Bolt M8 x 16 mm (Black) with Flat Washer and Spring Washer		3
Wing bolt M8 x 20		7
Large plain washer		7
Hex L Wrench (opposite side 2 mm)		1

6 How to Install and Assemble the Unit

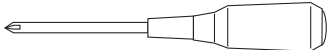
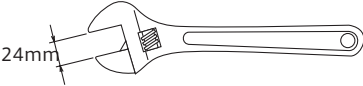
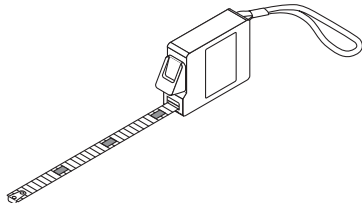
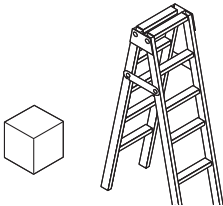
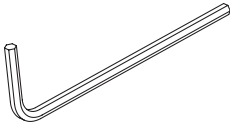
WARNING

- The work should be performed by Site Maintenance Personnel or technician. It may cause electric shock.
- Pay attention to the surrounding areas when the work is being performed with multiple workers simultaneously. Place someone to observe the work as necessary. Failure to pay attentions may result in minor or major collision accident. When there is a mistake in the order of assembly while different person performs each work, it may cause unexpected accidents.
- Work instructed as "work by multiple persons" in this manual should be performed by at least the number of persons specified in this manual. It is difficult to perform the work with less than the specified number of persons. It may cause an accident.
- Prepare a step with sufficient strength and stability for safe and secure work. Unstable step may cause trip or fall accident.
- While working on a step, be careful not to trip over, fall, or hit your head against the ceiling or cabinet. It may cause serious injury.
- Provide enough space to work safely. Narrow places and low ceilings may cause accidents during work.
- Check that the adjusters and casters on the bottom of the lower cabinet are not damaged. Using them left with damage may cause the unit to fall over.
- Land all the adjusters on the bottom of the lower cabinet on the floor. The cabinet may move and cause an accident.
- Do not work in places with inclinations, steps, grooves or other structures. It may cause a serious accident such as cabinet falling over. In addition, it prevents smooth performance of work.
- Work with sufficient lighting. Working in inappropriate environment may cause an accident.
- Be sure to ground the ground wire. If it is not grounded, it may cause electric shock. In addition, it may cause malfunctions or damage to the components.
- Be sure to connect the connectors securely. Insufficient insertion may cause electric shock, short circuit, or fire.
- Be careful not to damage the wiring. It may cause electric shock, short circuit, or fire.
- When connecting wiring inside the cabinet, the indoor lighting may not reach there. Prepare flashlight or other auxiliary lighting devices. Carelessly connecting the wirings may cause electric shock, short circuit, or fire.
- Install the product with its back facing the wall. Also, never install it where people pass by close. Darts thrown by the player may cause injury to someone.

⚠ CAUTION

- Be careful not to get your fingers caught when opening, closing, installing or removing the components.
- Handle plastic components carefully. These parts may fracture, and their fragments and cracks may cause injuries.
- When fastening plastic components, be careful not to tighten screws and nuts too much. These parts may fracture, and their fragments and cracks may cause injuries.
- Dropping a part may cause an accident. Support the parts firmly and fix with screws or bolts. Alternatively, perform the work with one worker supporting the parts and another worker fixing them.
- To work safely, work in clothing fit to work. To prevent accidents and injuries, we recommend use of gloves and safety shoes.

■ Tools required for work

 Phillips screwdriver For M4 and M5 screws	 Wrench 24 mm across flats	 Tape measure / Ruler
 Step ladder / Step	 Hex L Wrench (opposite side 2 mm)	

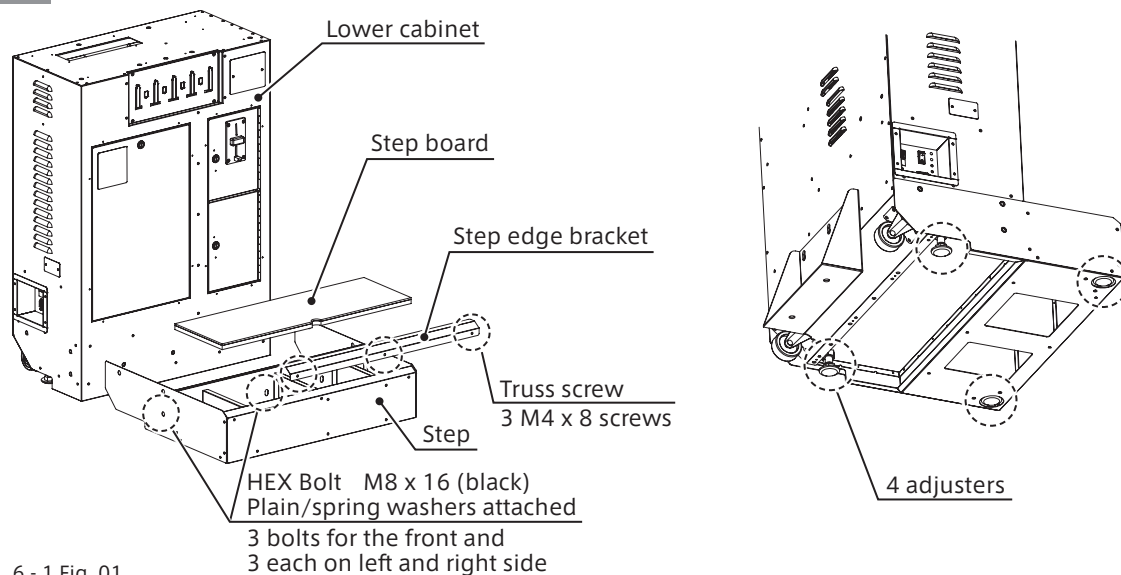
6 - 1 How to Install the Unit

WARNING

- Upper cabinet weights 53 kg. Be sure to work with two or more persons to avoid accident.
- Adjust the position of the adjuster strictly to install the product horizontally.
- Upper cabinet is not very stable on its own. Handle with care not to let it fall over. In addition, do not open the target door when the unit is by itself.
- Use all specified screws to fix the upper and lower cabinets and the upper monitor. Fix them firmly. Insufficient fixing may cause a serious accident by dropping or falling over.

STEP 1

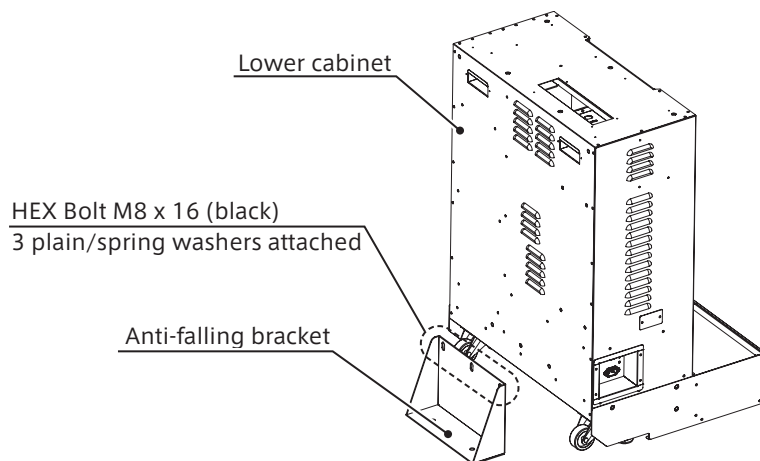
First, secure the space for assembling at the installation site, and firmly install the lower cabinet horizontally with the 4 adjusters.



6 - 1 Fig. 01

STEP 2

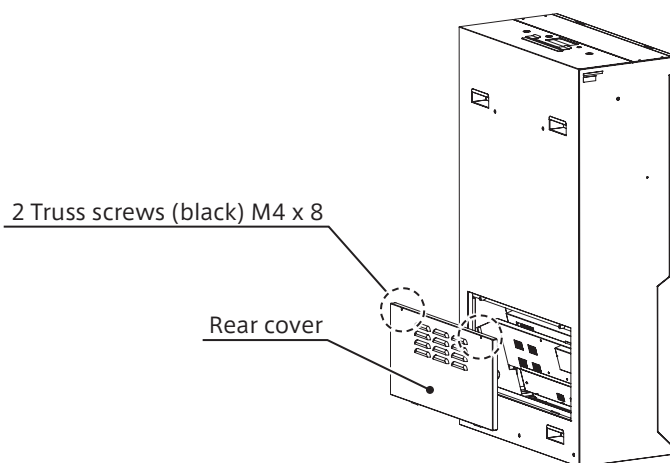
Install the anti-falling bracket provided at the rear bottom of the lower cavity with the 3 HEX bolts provided, and ensure that it is firmly fixed to the ground.



6 - 1 Fig. 02

STEP
3

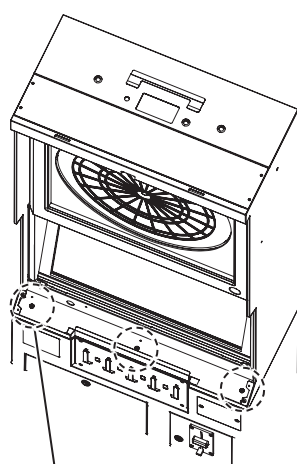
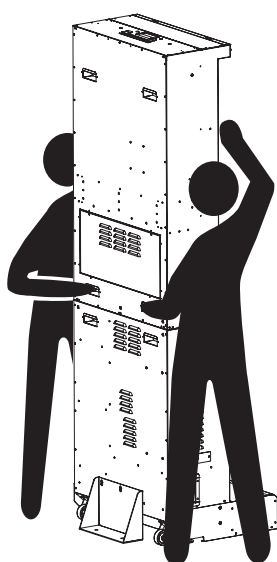
Remove the rear cover of the upper cavity.



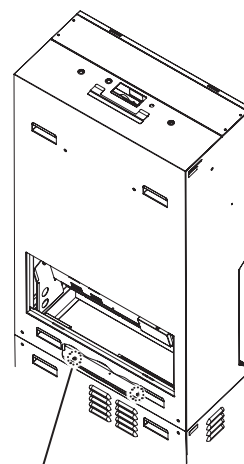
6 - 1 Fig. 03

STEP
4

Hold the handle at the rear bottom of the upper cabinet and the front and place it over the lower cabinet, and firmly fasten the upper and lower cabinets with the 5 wing bolts (M8 x 20) and large plain washer provided.



Wing bolt M8 x 20
3 plain washers to be used



Wing bolt M8 x 20
2 plain washers to be used

6 - 1 Fig. 04

STEP
5

Remove the wire harness temporarily fastened to the rear of the touch monitor and the air cap of various cables. (2 places)

STEP 6

Lower the various cables into the lower cabinet through the hole in the cabinet.

Wire harness

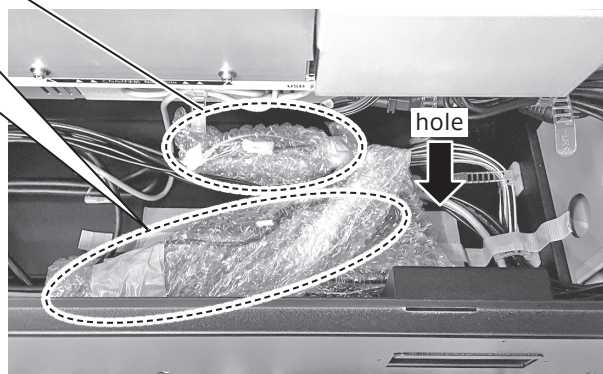
- 5 USB cables (2 cameras, 1 LITE sensor, 1 I/O board, 1 touch panel)
- 1 COM cable (RS232C)
- 1 HDMI cable
- 1 DP cable
- 1 Stereo audio cable

Wires lowered from the upper cabinet to the lower cabinet

- 5 USB cables
- 1 COM cable (RS232C)
- 1 HDMI cable
- 1 DP cable
- 1 Stereo audio cable

Wires pulled up from the lower cabinet to the upper cabinet
* Explanation in STEP 9

- 2 Power cords
- 4 Wire harnesses

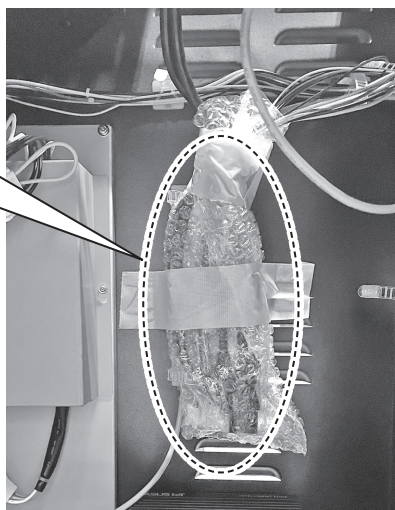


6 - 1 Fig. 05

STEP 7

Open the lower lid with the maintenance key and pull the cables up through the hole in the cabinet and into the upper cabinet.

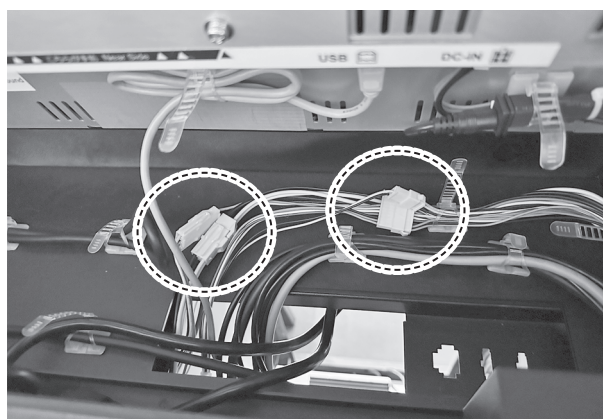
- 2 Power cables
- 4 Wire harnesses



6 - 1 Fig. 06

STEP 8

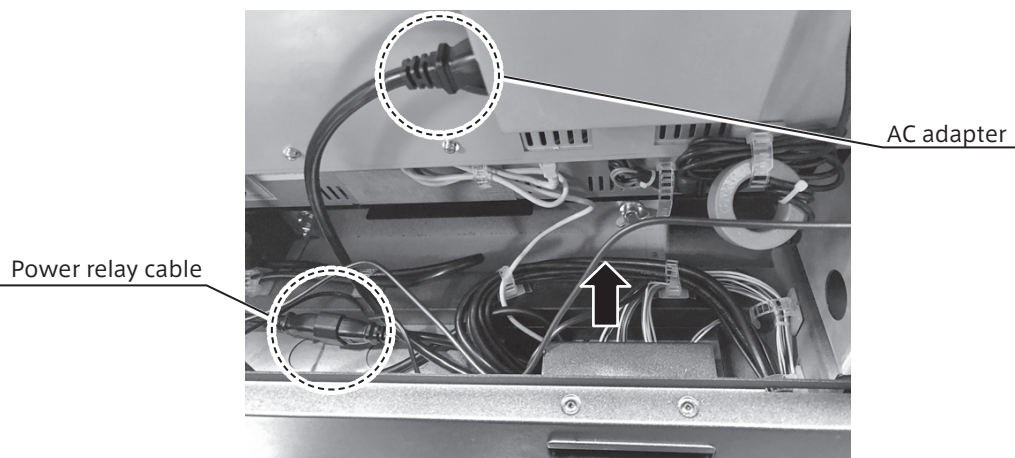
Pull the four wire harnesses up through the hole at the top to the upper cabinet and connect the connectors of the wire harnesses (there are four locations).



6 - 1 Fig. 07

STEP 9

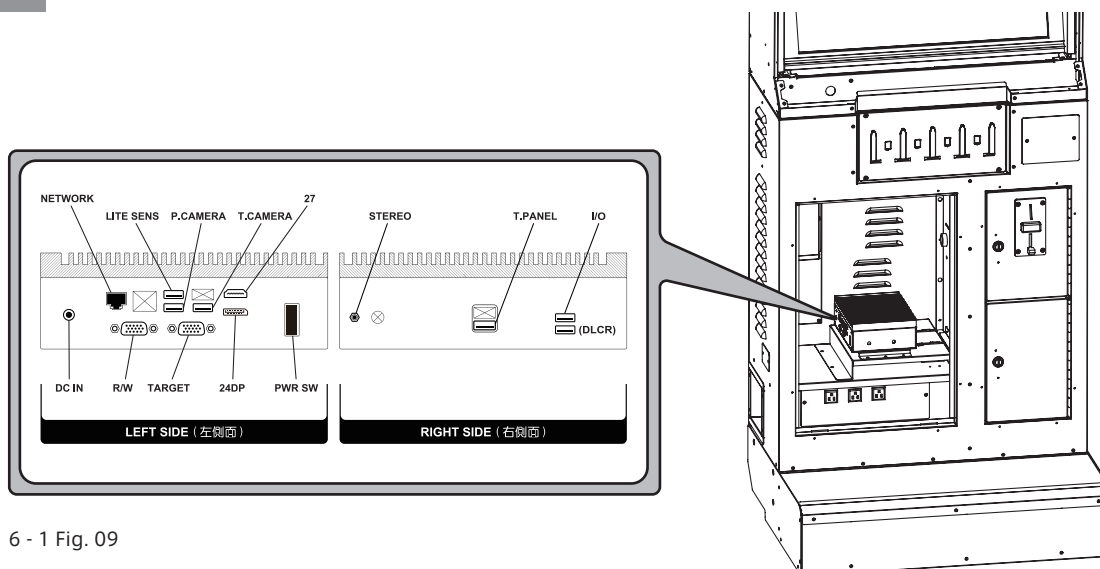
Pull up the 2 power cords through the hole in the upper part of the PC unit to the upper cabinet and turn it around the rear of the cabinet, then connect the power cords to the AC adapter of the touch monitor and power relay cable, and fasten with clamps. Either one of the two power cords can be connected. The power cord must be firmly plugged in all the way to the back. Failure to insert it firmly may cause poor contact.



6 - 1 Fig. 08

STEP 10

Refer to the "IO Panel Layout Diagram" affixed to the side of the lower lid and the tags of the cables, and connect the cables to the indicated positions on the PC unit, starting from the back.



6 - 1 Fig. 09

STEP 11

After confirming that all cables are connected, secure them with the clamps neatly so that they will not be pinched or pushed when the lower lid is closed, and close the lower lid.

*Fastening the cables with clamps

*Pull the cables inside from this part.



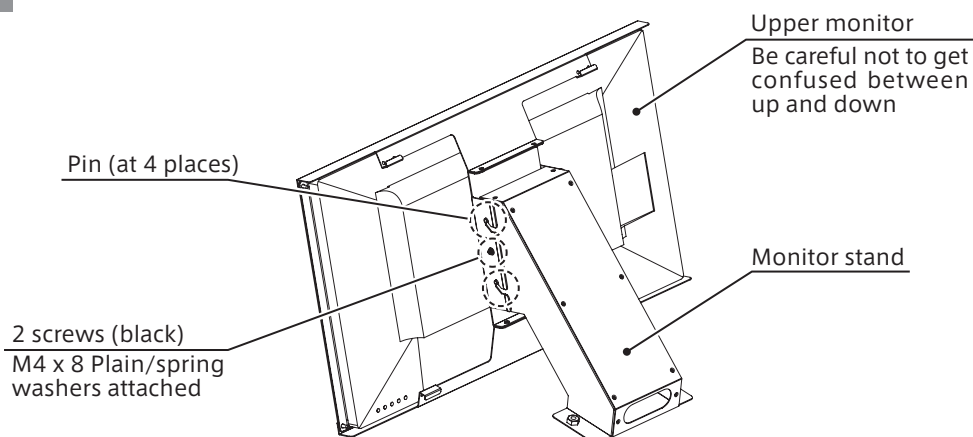
6 - 1 Fig. 10

STOP IMPORTANT

Make sure that the cables are not placed on the heat sink of the PC unit when wiring.

STEP 12

Hang the upper monitor on the pin of the monitor stand, and fasten it with 2 screws. (Make sure to place with the right vertical orientation of the monitor)



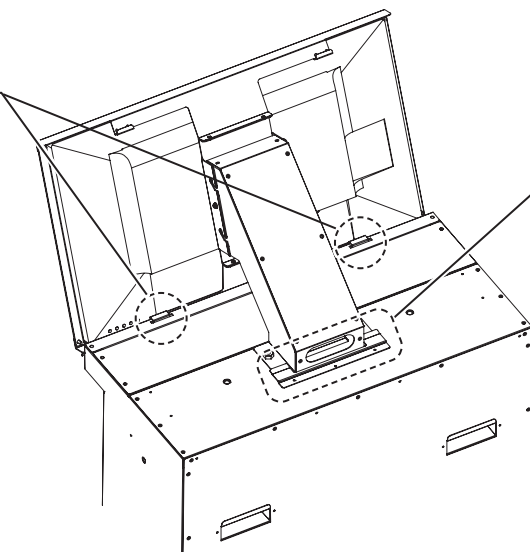
6 - 1 Fig. 11

**STEP
13**

While inserting the assembled upper monitor from the front in the hook located on the top side of the upper cabinet, insert the protrusions located at the lower part of the monitor in the holes located on the top.

Insert the protrusions located at the lower part of the monitor in the holes located on the top

Insert deep into the hook located on top right till the back

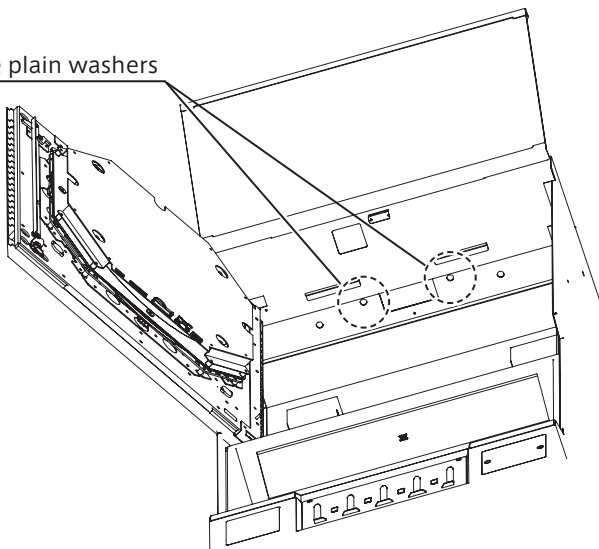


6 - 1 Fig. 12

**STEP
14**

Open the target door with the maintenance key, and fasten the monitor stand inside the cabinet with the wing bolts and 2 plain washers provided.

Wing bolt M8 x 20 + 2 Large plain washers



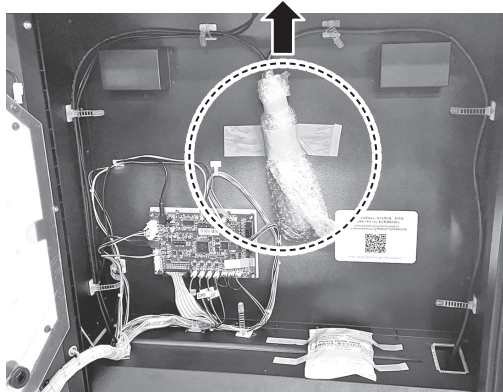
6 - 1 Fig. 13

⚠ WARNING

This work should be done by two or more persons. Not doing so may cause accident due to dropping or falling over.

STEP
15

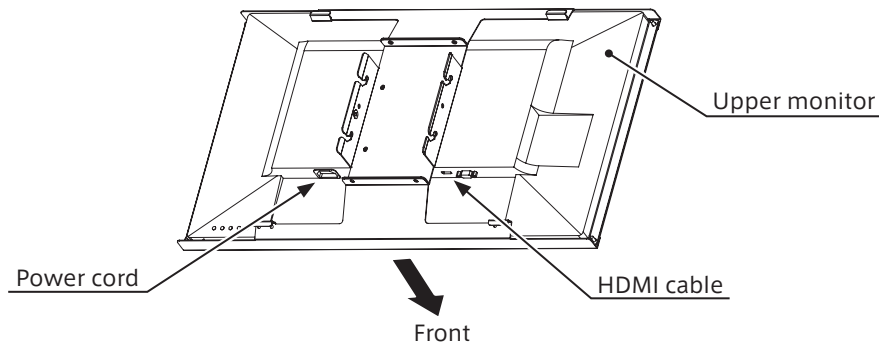
Remove the air caps of the power cable and the HDMI cable for the upper monitor. Push them out through the hole at the top of the cabinet.



6 - 1 Fig. 14

STEP
16

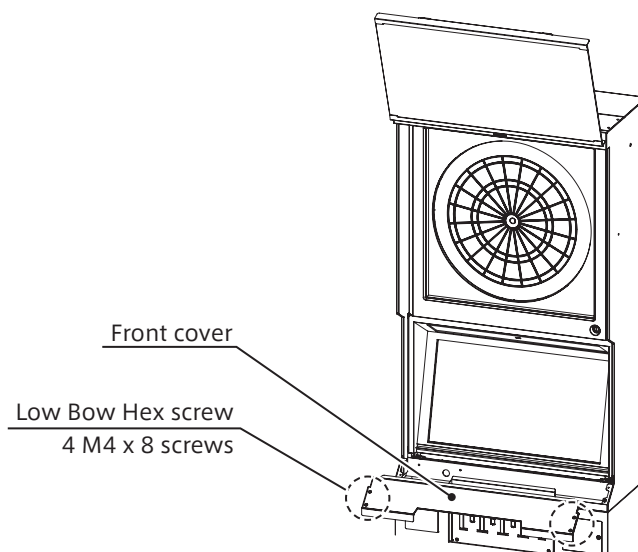
Connect the power cord and the HDMI cable pulled up from inside the cabinet to the upper monitor. The power cord must be firmly plugged in all the way to the back. Failure to insert it firmly may cause poor contact. *Depending on the production period the monitor might differ from the what is shown in the figures.



6 - 1 Fig. 15

STEP
17

Close the target door with the maintenance key. Install the rear cover of the upper cabinet in the reverse order of STEP 4, and fasten the provided front cover with the 4 low bow HEX screws provided.



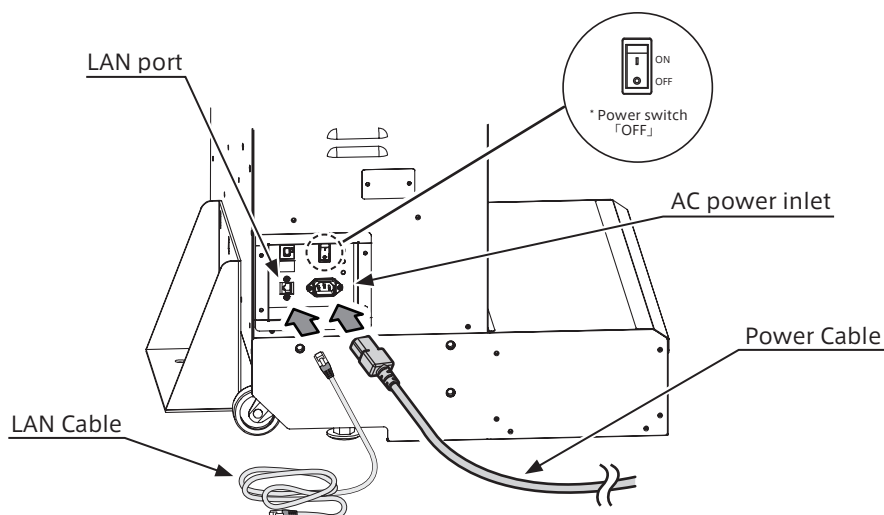
6 - 1 Fig. 16

STEP
18

Check the cabinet properly to make sure it is stable. If the cabinet is unstable, do not use it. First adjust the adjusters and the anti-falling bracket to firmly stabilize before using.

**STEP
19**

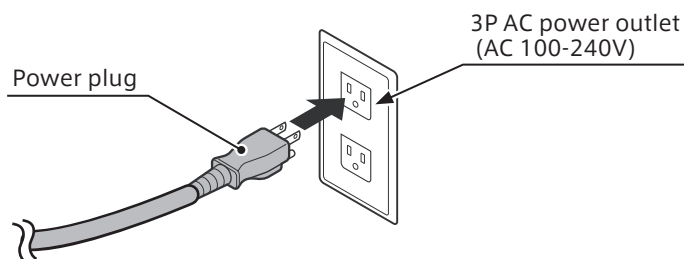
Confirm that the power switch is set to "OFF". Connect the included power cable to the AC power inlet, and the included LAN cable to the LAN port.



6 - 1 Fig. 17

**STEP
20**

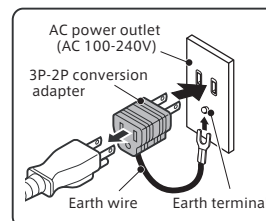
Connect the power plug to the outlet. Connect the other end of the LAN cable to the hub of the shop.



6 - 1 Fig. 18

CAUTION

- This product has an earth wire inside the power cable. To prevent electric shock and malfunction, use a grounded outlet or a commercially available conversion adapter to securely ground the earth terminal.
- If the AC power outlet is not 3P (with ground), connect the cable to a commercially available power cable conversion plug (3P-2P conversion adapter), and then to the AC power outlet. Then, connect the earth wire of the 3P-2P conversion adapter to the earth terminal of the AC power outlet.

**STEP
21**

Turn "ON" the power switch, and start it up.

**STEP
22**

Refer to "4 Starting up New Machine Online (Initial Setup)" in another document, OWNERS MANUAL, and check the operation and set various settings.

6 - 2 LED Brightness Adjustment

STEP 1

Unlock and open the target door with maintenance key. You have LED brightness adjustment switches at the bottom left corner of the target.

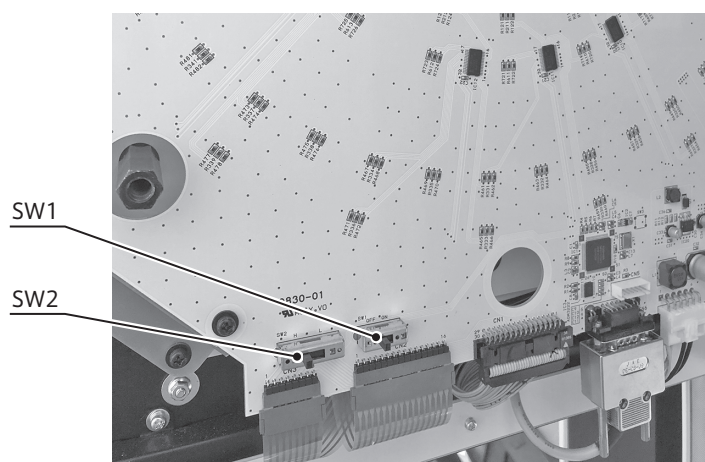
STEP 2

Turn on or off LED lighting with SW1 on the right.

STEP 3

Adjust the brightness of the LED in three levels with SW2 on the left: [L (dark), (slightly dark), and H (normal)].

* For details on testing LED, refer to Chapter 5 (5-1-4 Target) on another document, OWNERS MANUAL.



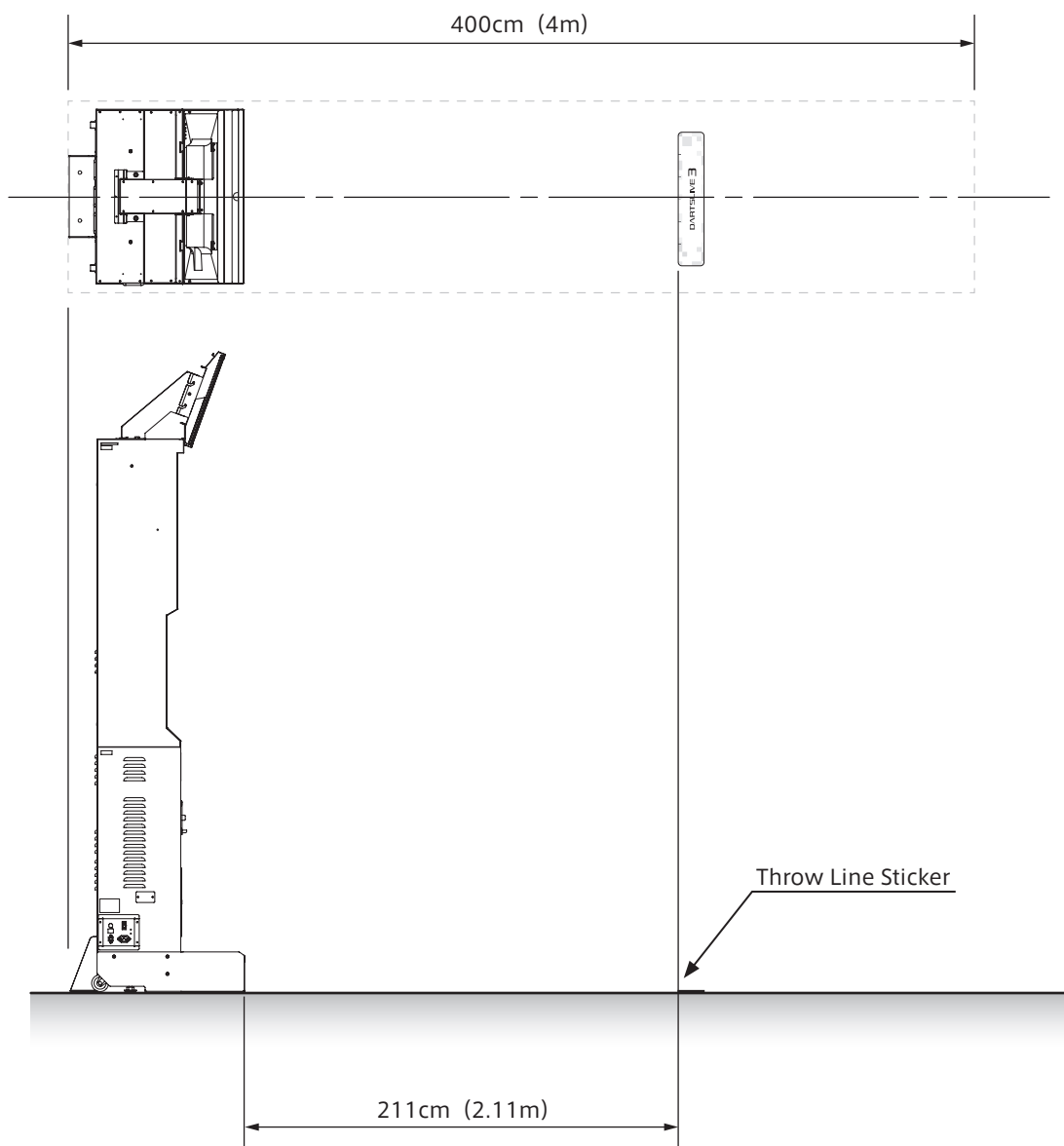
6 - 2 Fig. 01

6 - 3 Pasting Throw Line Stickers

STOP IMPORTANT

Under the rule, the center of the target is used as the reference point. The center should be located at height of 173 cm. Throw line sticker should be located at distance of 244 cm from directly below the center, and this is the position where you throw the dart (arrow) from. The error should be ± 1.5 cm. Note that this is not the distance from the wall.

With reference to the front face of the step, paste throw line sticker onto the ground, parallel to the front face of the cabinet.



6 - 3 Fig. 01

7 Precautions When Moving the Unit

WARNING

- "Move" described in this manual refers to moves within the same building. Moving to different buildings, regions, shops or facilities is not described in this manual because there are various factors such as packing, loading on transport vehicles, and securing during transport. If you are to move the unit to a different building or shop, contact your product retailer.
- Never perform disassembling work not described in this manual. It may cause electric shock, short circuit, or fire.
- When moving the unit, unplug the power plug and LAN cable. Moving the unit with the cables inserted may damage them, resulting in electric shock or fire.
- When moving the unit across the floor, raise the adjusters and land the casters. Be careful not to let the casters step on the power cable or other wiring while moving. Damaged wiring may cause electric shock, short circuit, or fire.
- When lifting the cabinet, hold its handle or bottom section. Lifting by holding the weak sections may cause weight of the cabinet to damage the parts and joints, and may cause personal injury.
- Do not leave the cabinet on inclined surface, unstable place, or step. It may fall over.
- The following work must be done by two or more persons.

CAUTION

Do not press on the monitor or molded parts. Handling them carelessly can damage the parts, and the fragments may cause personal injury.

Procedure for moving the unit

STEP 1

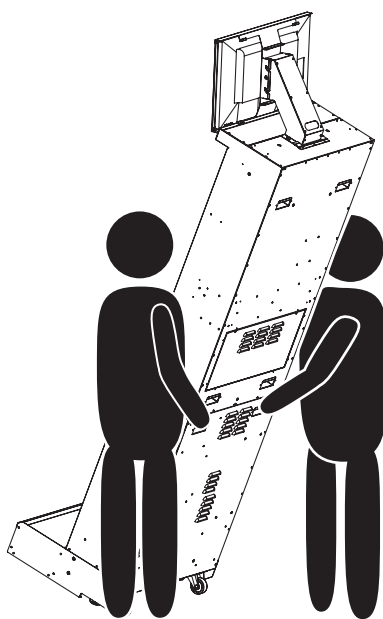
Confirm that the power switch is "OFF". Unplug the power cable and LAN cable.

STEP 2

Confirm that the installation of the cabinet is stable, refer to 6-1 Installation method STEP 1, 2 and lift the adjusters, and then remove the anti-falling bracket by unfastening the 3 HEX bolts (M8 x 16).

STEP 3

2 or more persons should hold the handles at the back of the cabinet and very carefully tilt it slowly backwards, place the casters on the floor, and then move the cabinet. It is extremely dangerous if the cabinet tumbles. Tilt the cabinet very slowly and be extremely careful.



7 Fig. 01

8 Maintenance of Sections of the Unit

WARNING

- Turn off the power before starting work. Failure to do so may cause electric shock or short circuit.
- Be careful not to damage the wiring. Damaged wiring may cause electric shock or short circuit.
- Do not touch any section other than those specified. Doing so may cause electric shock or short circuit.
- This work should be done by Site Maintenance Personnel or Serviceman. Work by someone without skills may cause electric shock accident.
- Never perform disassembling work not described in this manual. Unnecessary work can cause unexpected accidents.

CAUTION

- Be careful not to get your hands or fingers caught when opening and closing the door.
- This work requires use of sharp-edged tool. Be careful not to hurt yourself.
- Be careful when handling plastic products. Carelessly applying force may damage them and their fragments or cracks may cause injury.

8 - 1 Target

■ 8 - 1 - 1 Replacing Segment

STOP IMPORTANT

- When mounting double bull or single bull, pay attention to the direction of the boss.
- Prepare a protective mat to prevent damage to the components of disassembled target.
- There are film-like components of the target. Be careful not to bend them.

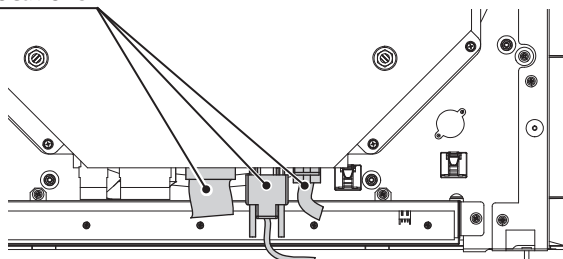
STEP 1

Turn "OFF" the power switch. Unlock and open the target door with the maintenance key.

STEP 2

Unplug the three connectors connected to the target.

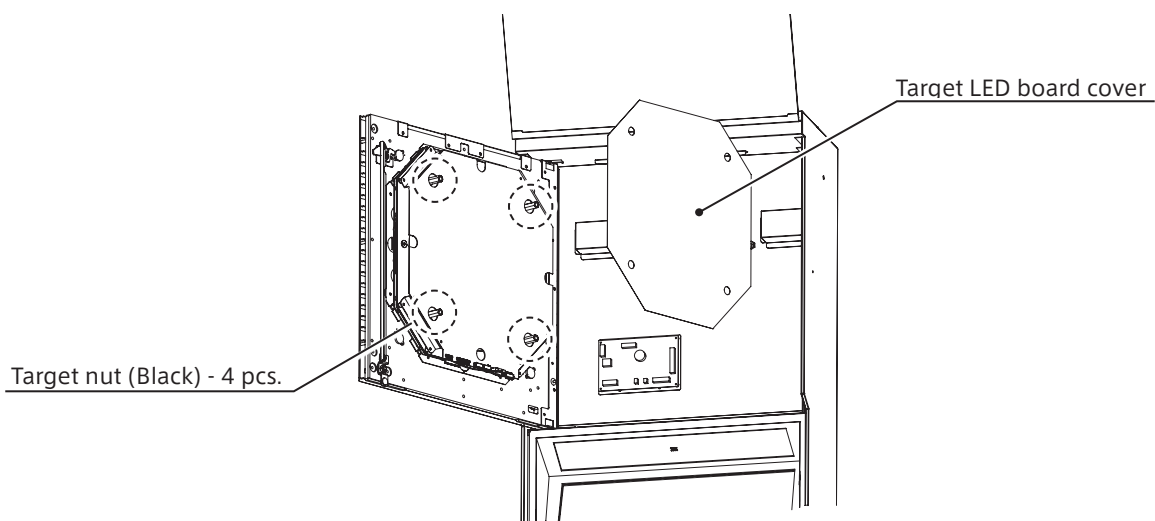
Connectors at three locations



8 - 1 - 1 Fig. 01

STEP 3

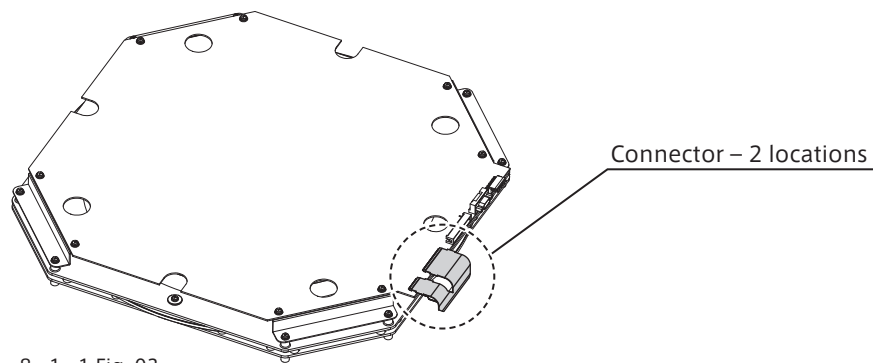
Remove the target LED board cover. While supporting the target not to drop it, remove the four target nuts to remove the target from the target door. You should be able to remove the target nuts by hand. If they are tight, remove them using a wrench of 13 mm, pair of combination pliers or cutting pliers, or other tools.



8 - 1 - 1 Fig. 02

STEP 4

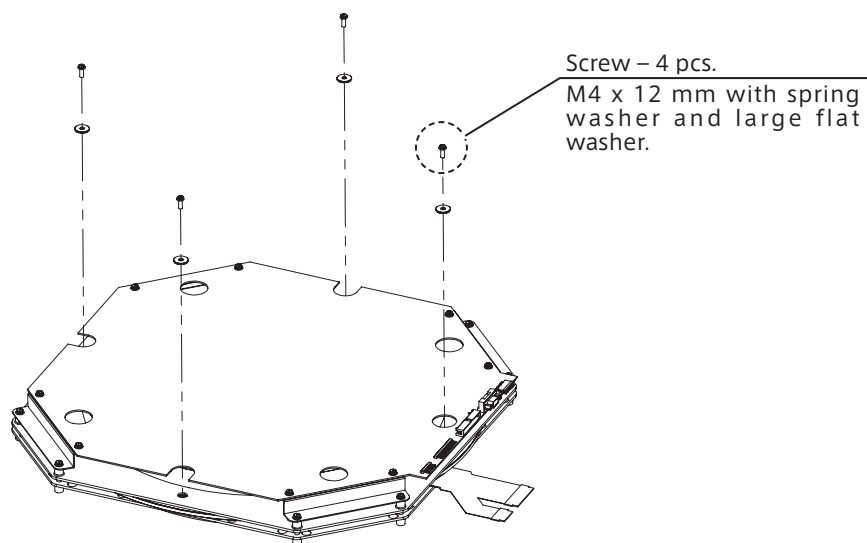
Place the target face down on a flat surface. Disconnect the two connectors of the membrane sheet.



8 - 1 - 1 Fig. 03

STEP 5

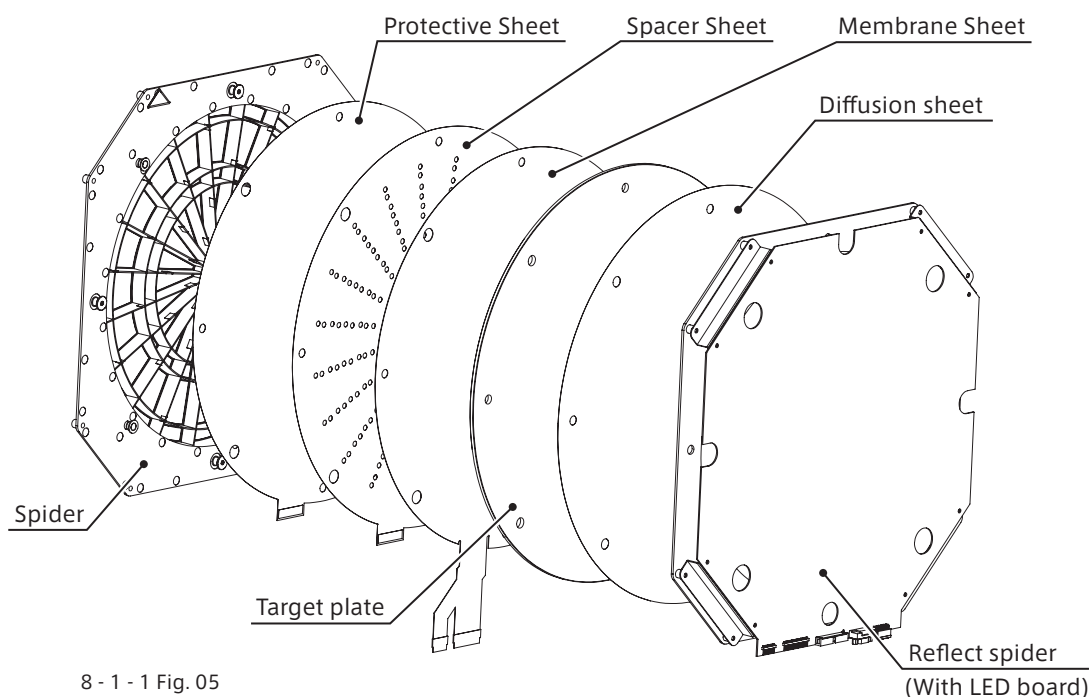
Remove the four screws from the target.



8 - 1 - 1 Fig. 04

STEP 6

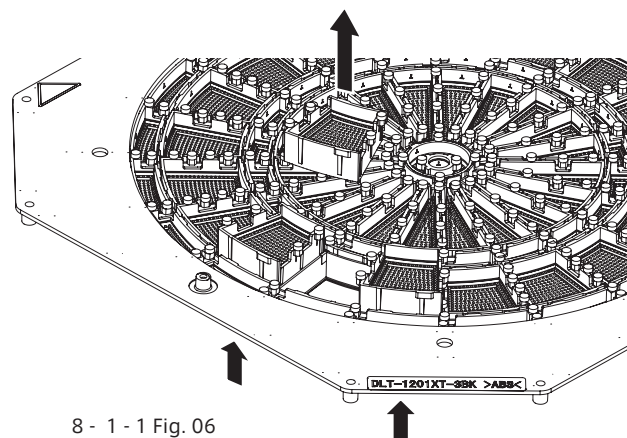
Remove the reflect spider, diffusion sheet, target plate, membrane sheet, spacer sheet, and protective sheet in this order. Place the removed parts on flat surface. Place the LED board with the reflect spider at the bottom. Be careful not to bend the membrane sheet.



8 - 1 - 1 Fig. 05

STEP 7

From back side of the spider, slightly lift the segments located on both sides of the segment you want to remove. Detach the desired segment.

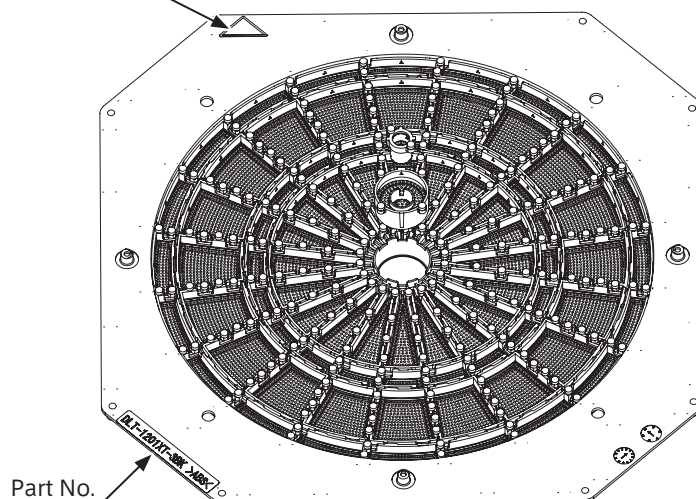


8 - 1 - 1 Fig. 06

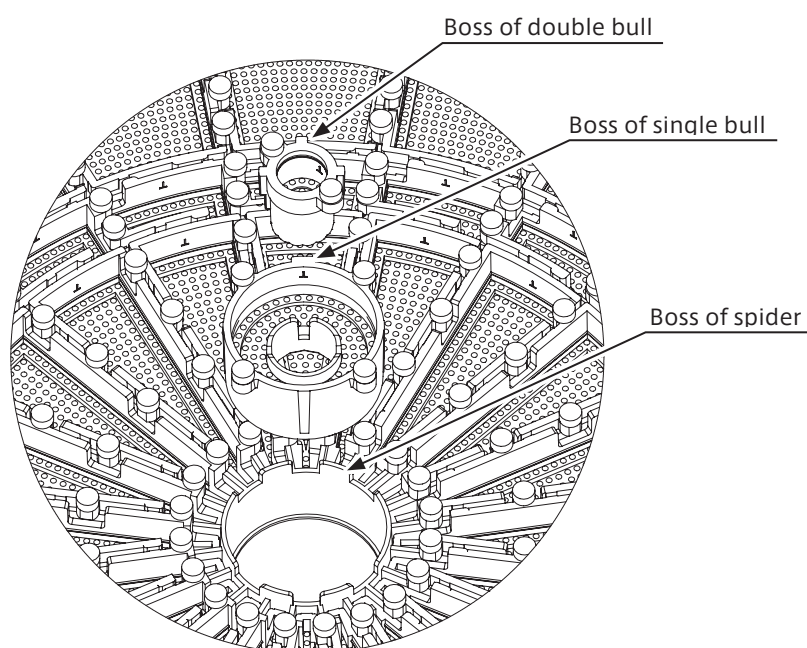
STEP 8

In the same way, mount the segment for replacement while lifting the segments on both sides. When mounting double bull or single bull, pay attention to the direction of the boss.

Direction indicator sticker



Part No.



8 - 1 - 1 Fig. 07

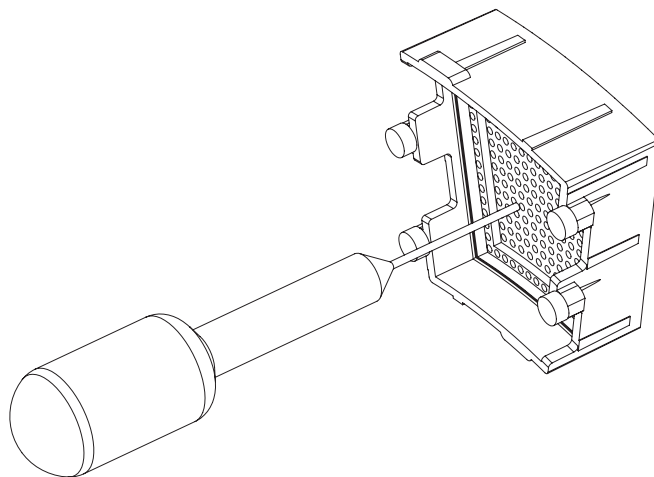
■ 8 - 1 - 2 Removing Tips Stuck in Segment

STEP 1

Refer to "8-1-1 Replacing Segment" to remove the segments stuck with the broken tip of the darts.

STEP 2

Using a pin with diameter of 1.5 mm or less, pull out the jammed tip by pushing it from back of the segment. Be sure to remove it by pushing in the pin from back of the segment. Not doing so may cause the segment to break.



8 - 1 - 2 Fig. 01



IMPORTANT

For removal of a tip stuck in the outer board segment, refer to "8-10 Replacing Outer Board Segment " to remove the segment and pull out the tip in the same way as for the segment.

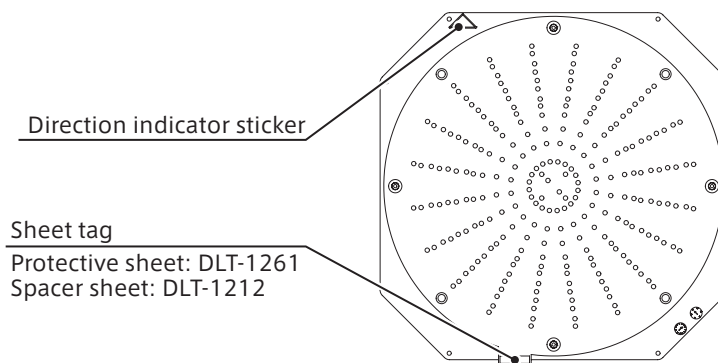
■ 8 - 1 - 3 Mounting Target

**STEP
1**

Set the segment for replacement or segment removed with foreign objects (tips). Place the spider with the direction indicator sticker at the top.

**STEP
2**

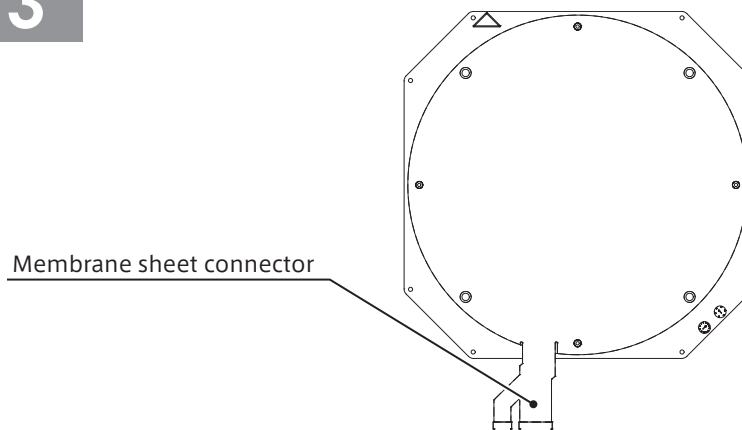
Set the protective sheet and then the spacer sheet, both on top of the spider so that their sheet tags are at the lower left. For the protective sheet and spacer sheet, their sheet tags have their part numbers. Be careful not to mistake the order.



8 - 1 - 3 Fig. 01

**STEP
3**

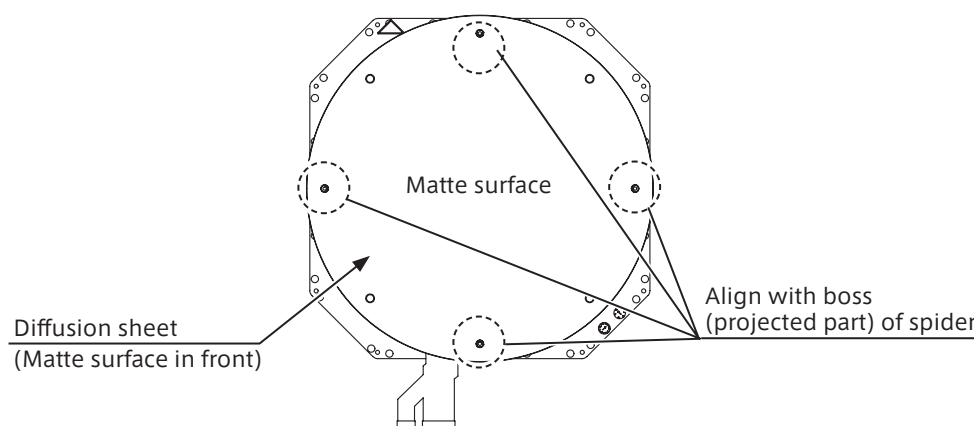
Set the membrane sheet so that the membrane sheet connector is at the lower left.



8 - 1 - 3 Fig. 02

**STEP
4**

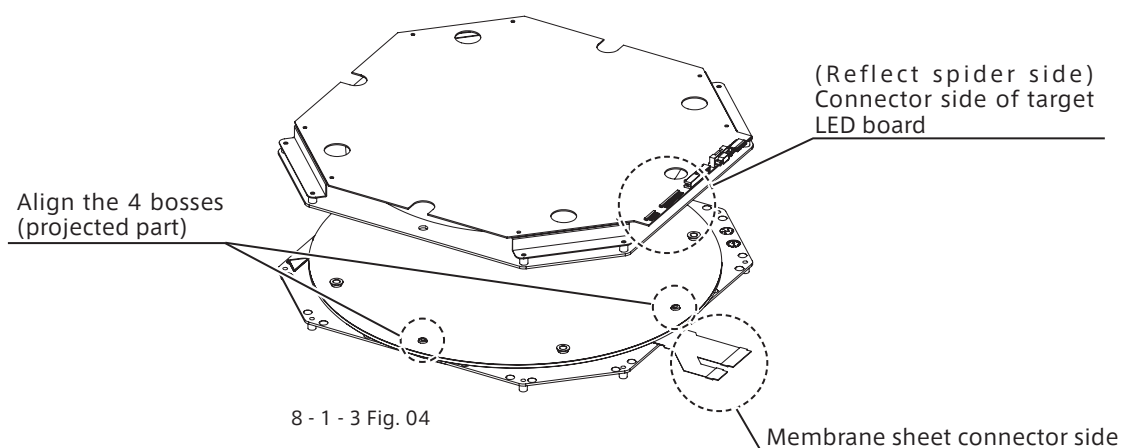
Align the smaller hole of the target plate with the boss (protrusion) on the spider, and fit it in. Place the diffusion sheet on it, aligning their holes. While doing this, make sure that the protrusion (white) is on the upper side and the part number is on the lower side.



8 - 1 - 3 Fig. 03

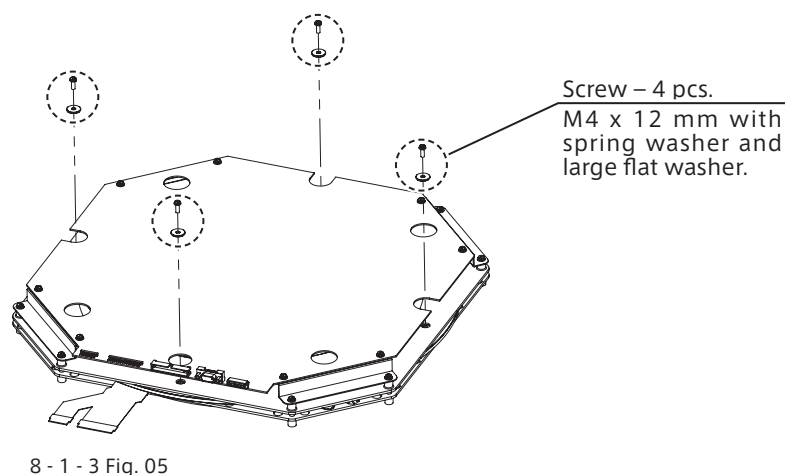
STEP 5

Align the connector section of the reflect spider to the connector section of the membrane sheet, fit and insert the four bosses (protrusion) of the spider.



STEP 6

Fix the target with four removed screws.

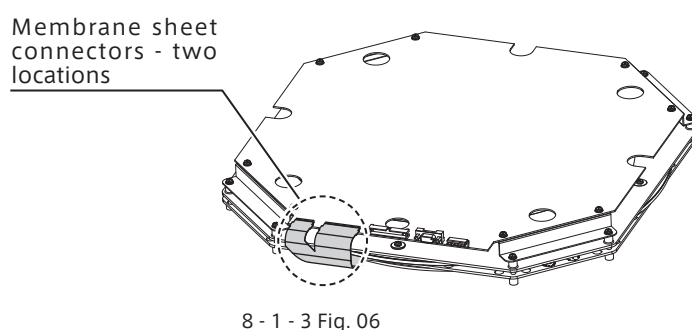


CAUTION

Tightening the screws too much will damage the resin parts. Fix with the specified torque of 0.55 Nm or less (to the extent that the spring washer is crushed).

STEP 7

Reconnect the two membrane sheet connectors.



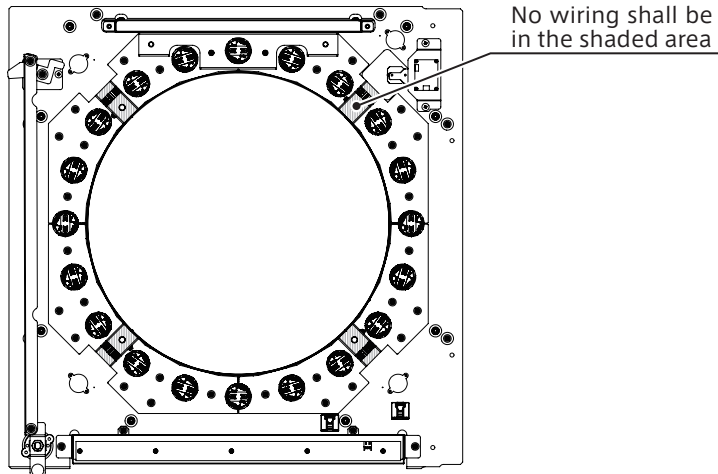
STEP 8

Return the target onto the target door. Fix the four target nuts by hand. (See 8-1-1 Fig. 02)

CAUTION

When mounting the target onto the target door, be careful not to pinch the wiring of the number LED board or the impact sensor. It may cause malfunction or fire.

If wiring is placed in the shaded area, it will be pinched. Mount the target onto the target door after confirming that there is no wiring in the shaded area.

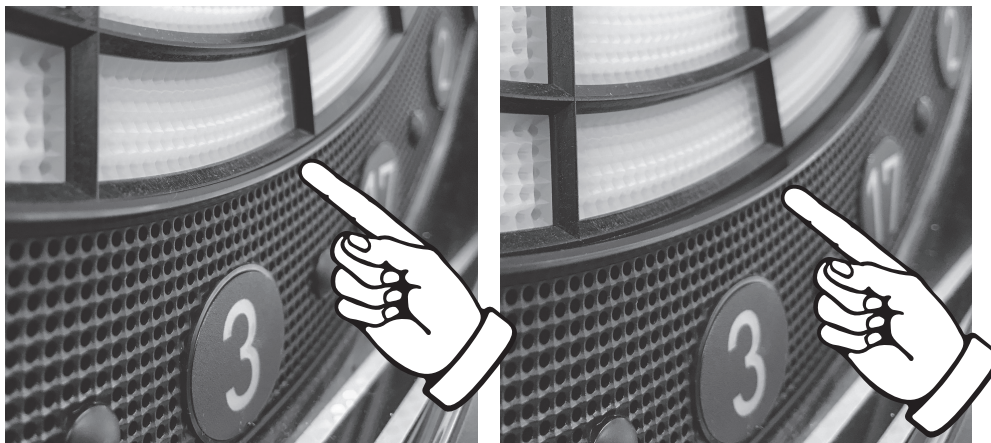


CAUTION

Set a target properly.

If the target is not in the correct position or inserted properly, the target sensor will not work correctly and the door or board may be damaged.

Make sure the outer board segment and the target are even.



○ Correct Position (No gap)
Target is pushed in all the way.

× Incorrect Position (With gap)
Target is NOT pushed in all the way.

STEP 9

Connect the three connectors on the target. (See 8-1-1 Fig. 01)

8 - 2 Replacing Card Reader Sensor

STEP

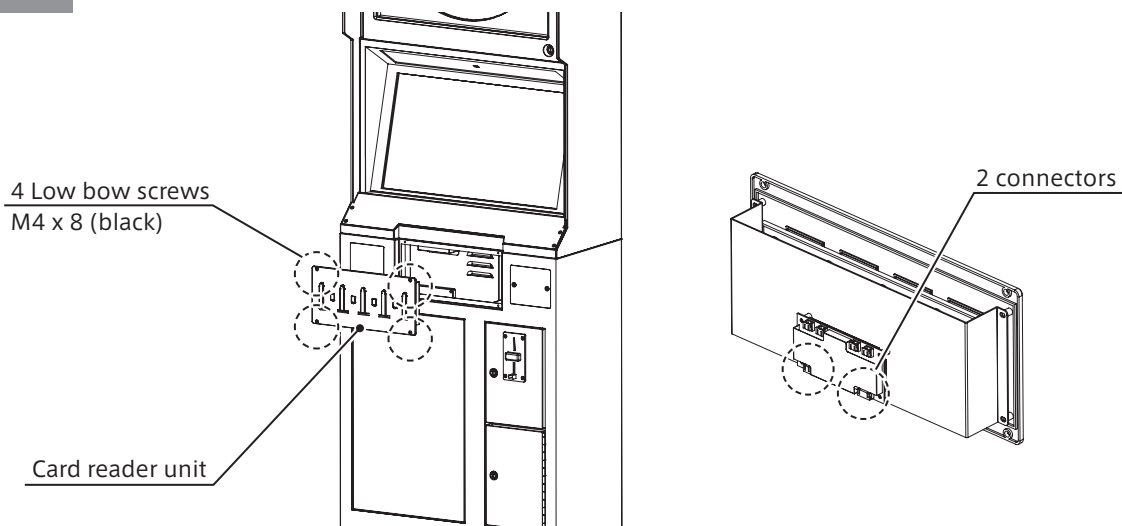
1

Turn "OFF" the power switch.

STEP

2

Unfasten the 4 low bow screws with the HEX wrench provided, and remove the 2 connectors to remove the card reader unit.

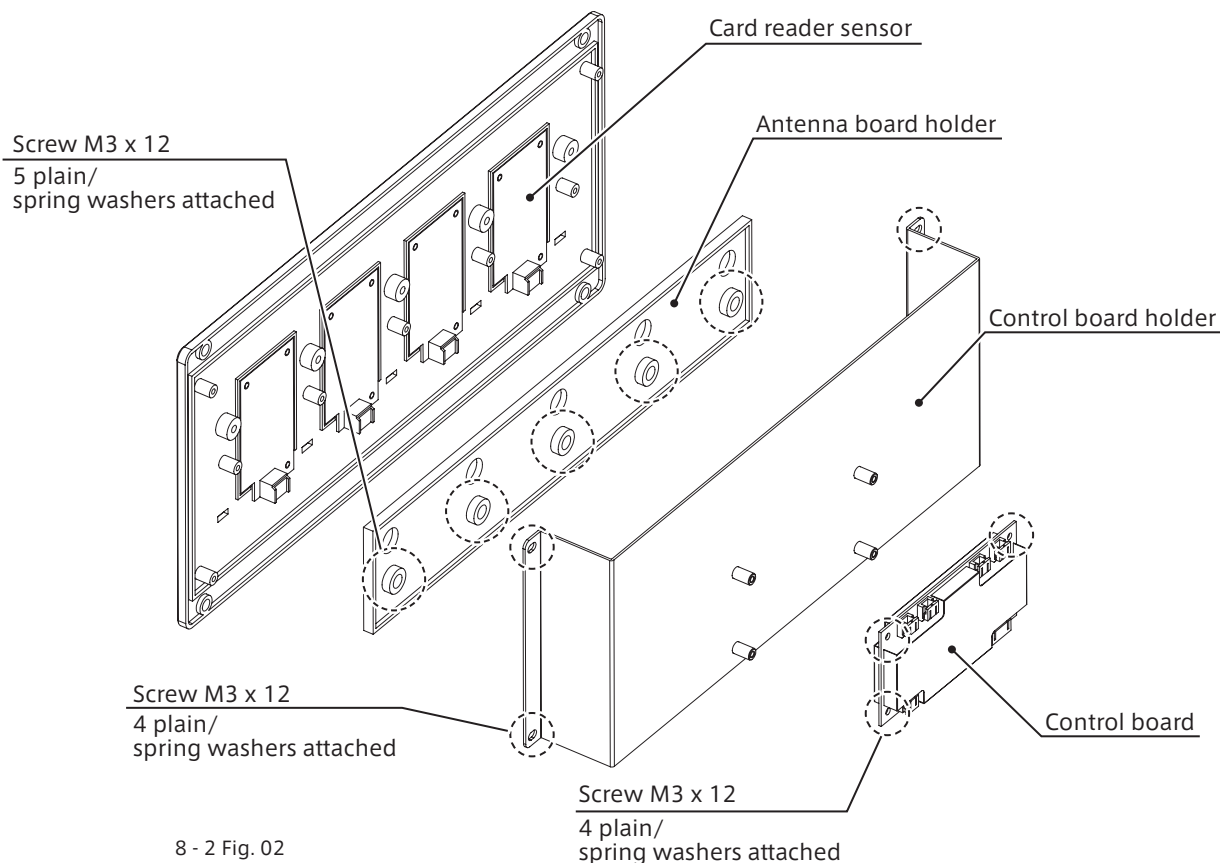


8 - 2 Fig. 01

STEP

3

Unfasten the 4 screws to remove the control board holder. And then, unfasten the 5 screws and remove the antenna board holder to remove the card reader sensor. To put everything back in order, reassemble in the reverse order.



8 - 2 Fig. 02

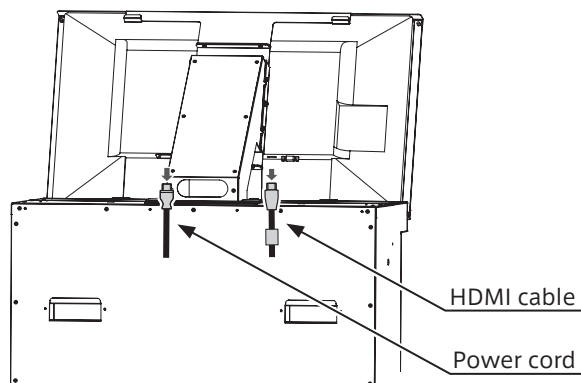
8 - 3 Replacing Upper Monitor

WARNING

This work should be done by two or more persons. Not doing so may cause accident due to dropping or falling over.

STEP 1

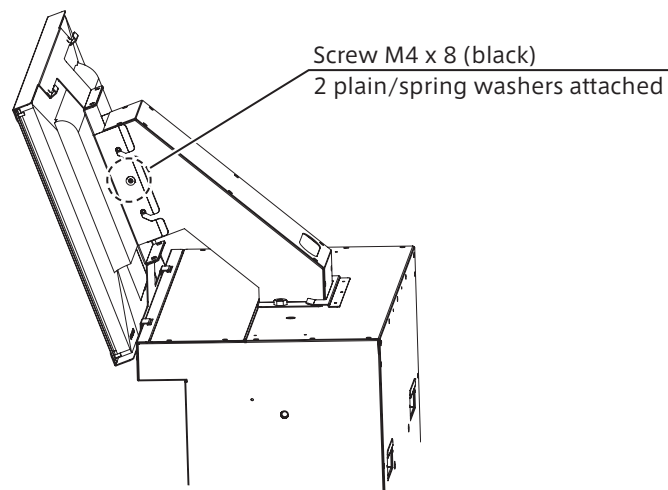
Turn "OFF" the power switch and disconnect the power cable and HDMI cable from the upper monitor.



8 - 3 Fig. 01

STEP 2

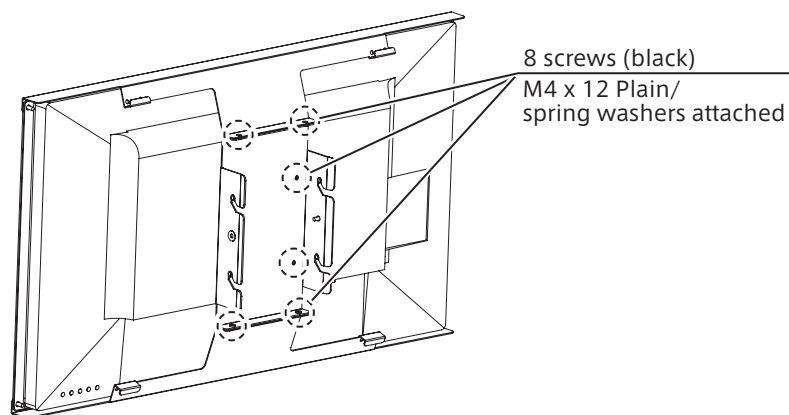
Check that the installation of the cabinet is stable, and unfasten the 2 screws and remove the upper monitor.



8 - 3 Fig. 02

STEP
3

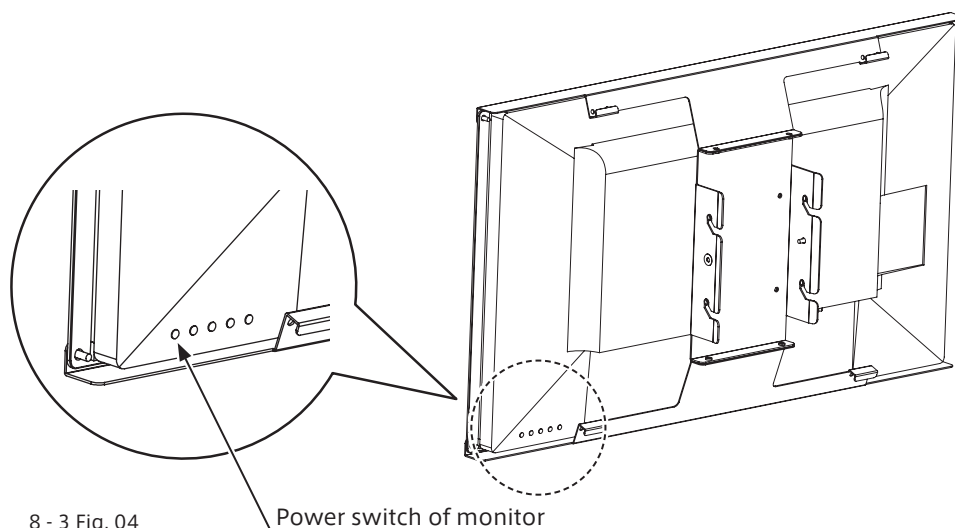
Unfasten the 8 screws and remove the monitor.



8 - 3 Fig. 03

STEP
4

Reassemble the upper monitor in the reverse order. After switching "ON" the power of the main body, immediately switch on the monitor (power switch is at the left end).



8 - 3 Fig. 04

STOP

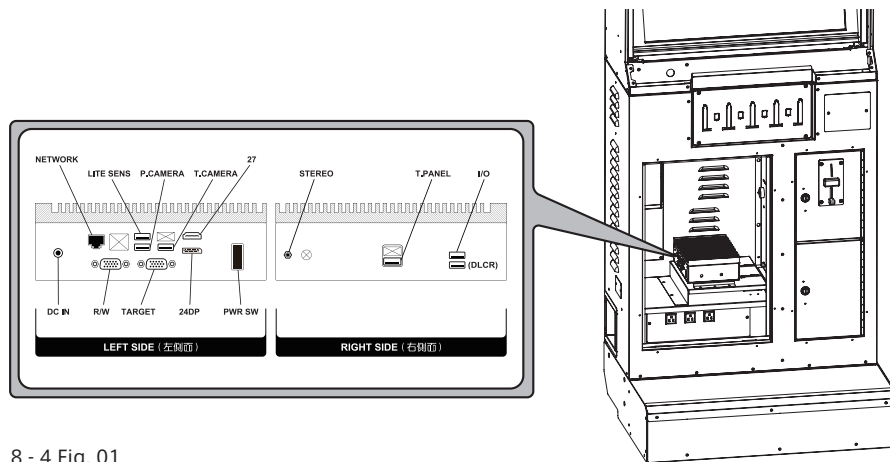
IMPORTANT

- Depending on the production period the monitor might differ from what is shown in the figures.

8 - 4 Replacing Lower Touch Screen Monitor

STEP 1

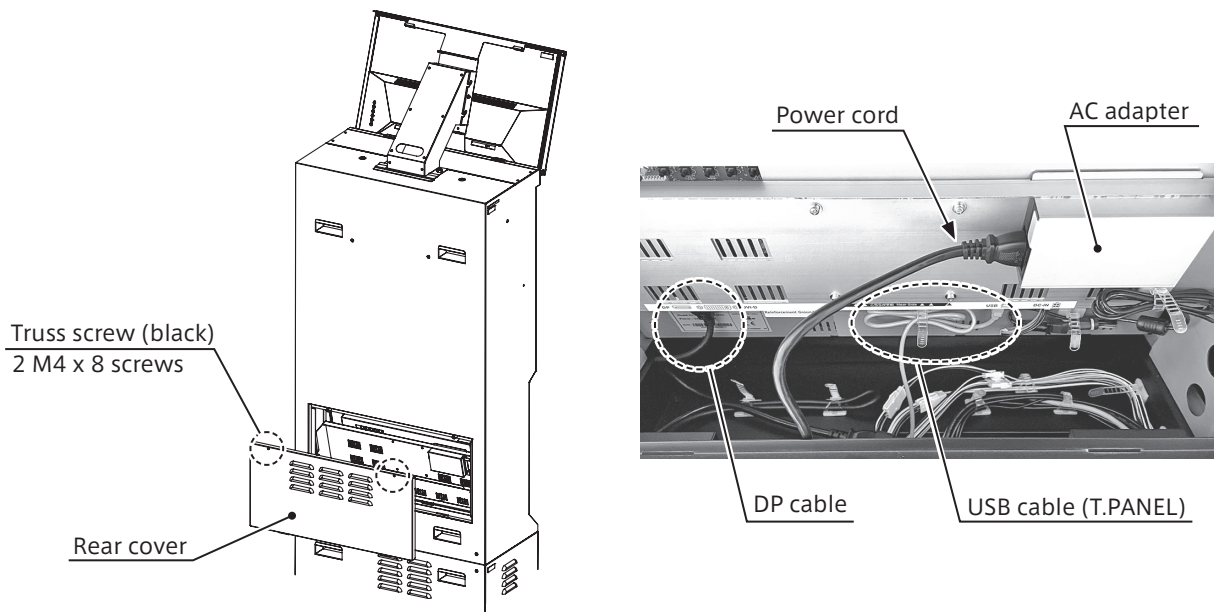
Turn "OFF" the power switch. Unlock with the maintenance key and open the lower door (L). Then disconnect the USB cable (T.PANEL) connected to the PC unit and remove it from the clamp so that it can be lifted up to the upper cabinet.



8 - 4 Fig. 01

STEP 2

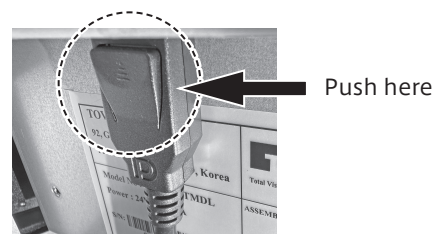
Remove the two screws and open the back door. Pull up from the lower cabinet the USB cable (T.PANEL) which you disconnected from the PC unit. Then, disconnect the power cable connected to the AC adapter and remove it from the clamp. Next, disconnect the DP cable connected to the touch panel monitor.



8 - 4 Fig. 02

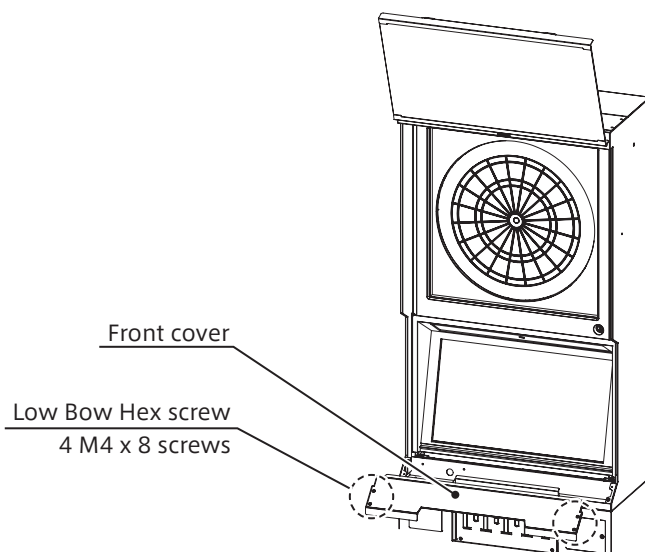
STOP IMPORTANT

- To unplug the DP cable, please press the button shown in the photo while removing the cable, as it is secured with a latch.



STEP 3

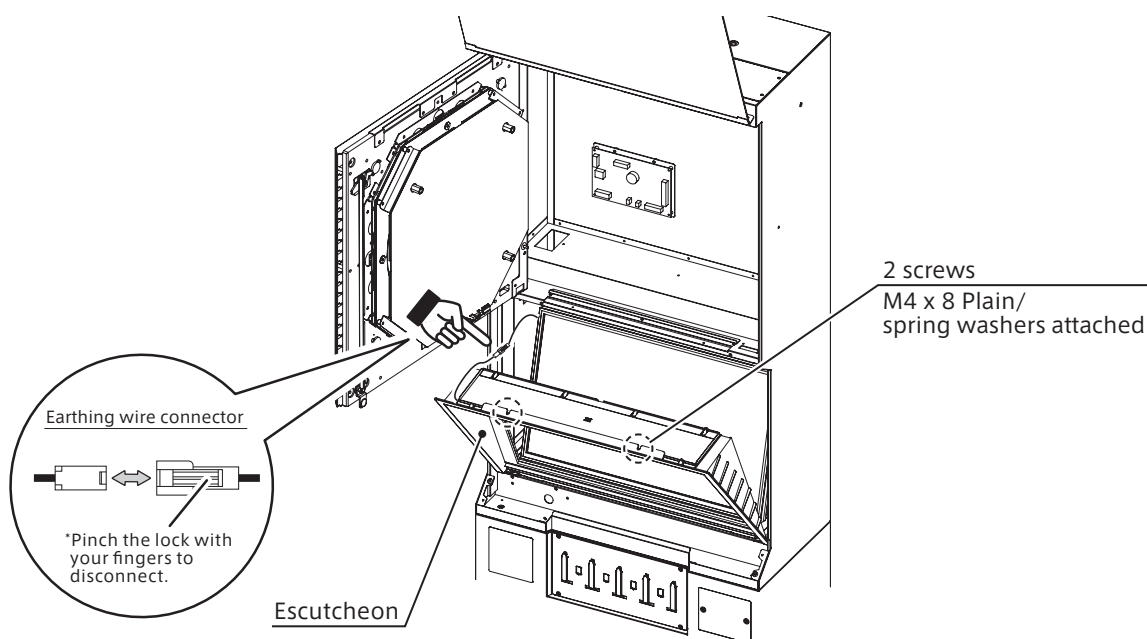
Unfasten the 4 low bow HEX screws with the HEX wrench provided, and then remove the front cover.



8 - 4 Fig. 03

STEP 4

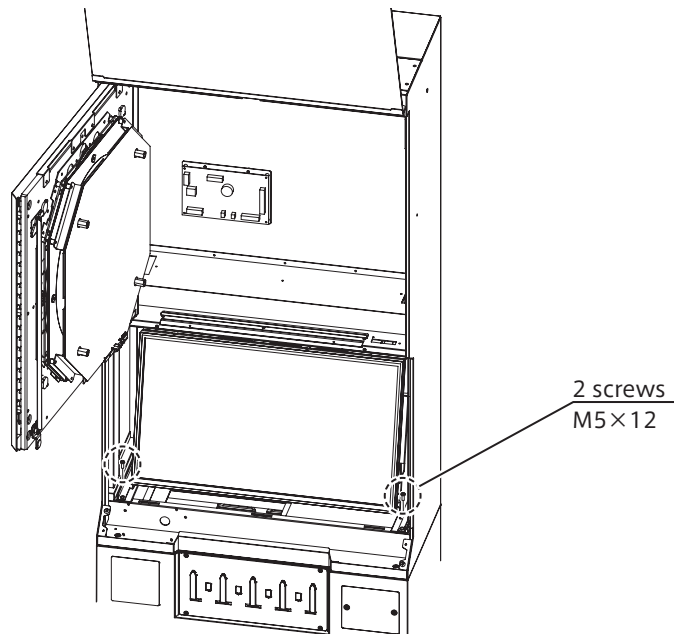
Open the target door, unfasten the 2 screws on the upper part of the escutcheon, and then slantingly and slowly pull up the escutcheon. Take out the connector of the earthing wire and remove the escutcheon.



8 - 4 Fig. 04

STEP 5

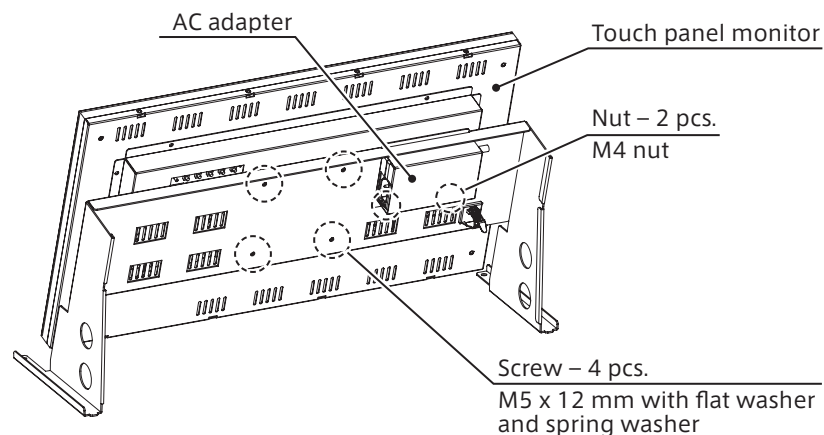
Unfasten the 2 screws and pull out the touch monitor.
If you couldn't do STEP 2 from the rear, then do it here. At this time, ensure that there are 2 or more people handling the work.



8 - 4 Fig. 05

STEP 6

Remove the four screws and remove the touch screen monitor. After replacing it with a new touch panel monitor, reassemble them in the reverse order.



8 - 4 Fig. 06

STOP IMPORTANT

- If the screens on the upper and lower monitors have been switched after replacing the monitor, switch between the monitor and the operation monitor by referring to "5 Maintenance Menu " in OWNERS MANUAL.
- When replacing the AC adapter, use the ferrite core attached to the cable, replacing it onto the same position and in the same manner as it was.

8 - 5 Coin Selector

■ 8 - 5 - 1 Handling coin jams

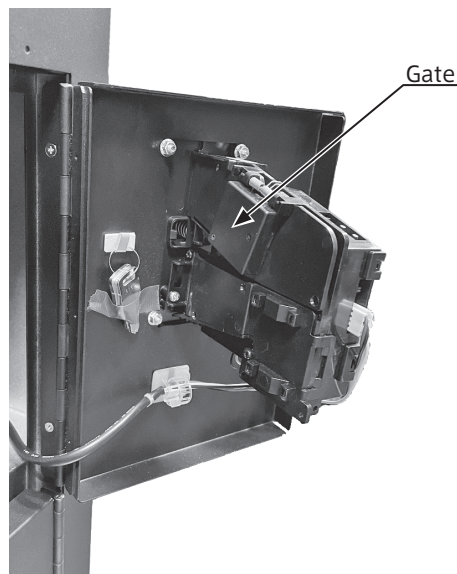
In case the coins are not returned even after pressing the return button, open the coin door, remove the coins jammed in the gate of the coin selector, and insert regular coins to check whether the selector is working normally.

■ 8 - 5 - 2 Coin selector cleaning

Turn "OFF" the power switch, open the coin door, then open the gate of the coin selector and clean.

STOP IMPORTANT

- Dip a soft cloth in water or neutral detergent, and squeeze it tight before the cleaning.
- Never use machine oil or the like on coin selector.
- After maintenance of the coin selector, insert normal coin under normal use condition to check that the selector works correctly.



8 - 5 Fig. 01

■ 8 - 5 - 3 Coin insertion test

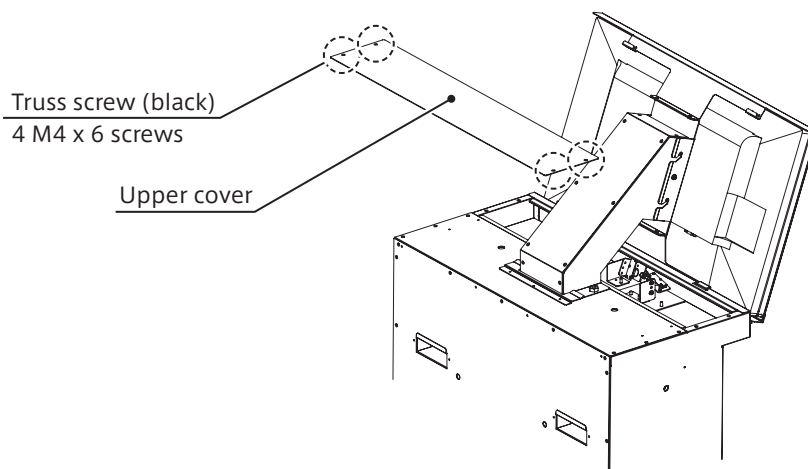
Once a month, test the coin switch and check the following at the same time.

- ☐ Does the coin meter count properly?
- ☐ Does the coin fall into the cash box properly?
- ☐ Does the coin inserted while pressing the return button return to the return slot?

8 - 6 Adjusting Target Camera

STEP 1

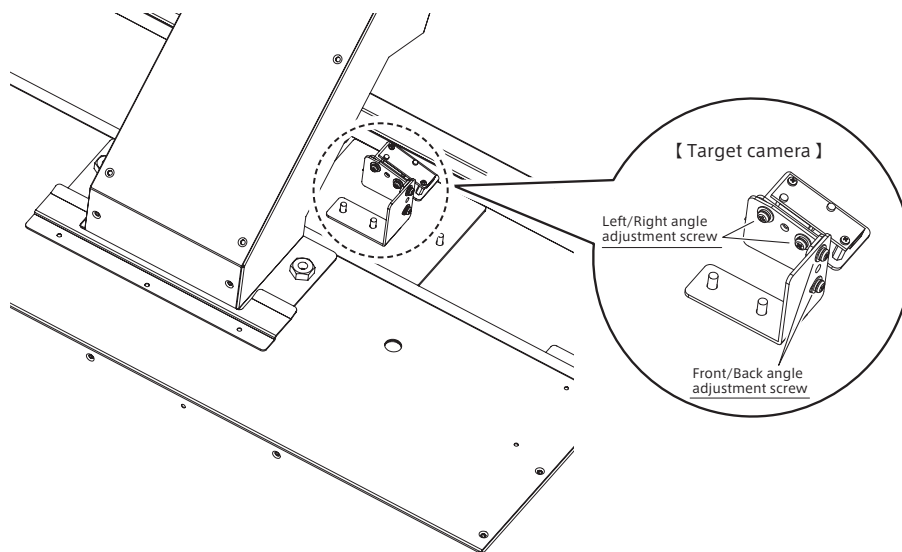
Turn "OFF" the power switch, unfasten the 4 screws and remove the upper cover.



8 - 6 Fig. 01

STEP 2

Loosen the two adjustment screws and make adjustment. Tighten the screws to fix it. After the adjustment, reassemble them in the reverse order.



8 - 6 Fig. 02

STOP IMPORTANT

If the images from the player camera and the target camera have been switched after replacing the camera, refer to "5-1-2 Selecting Camera" in OWNERS MANUAL to switch between their displays.

8 - 7 Adjusting Player Camera

STEP

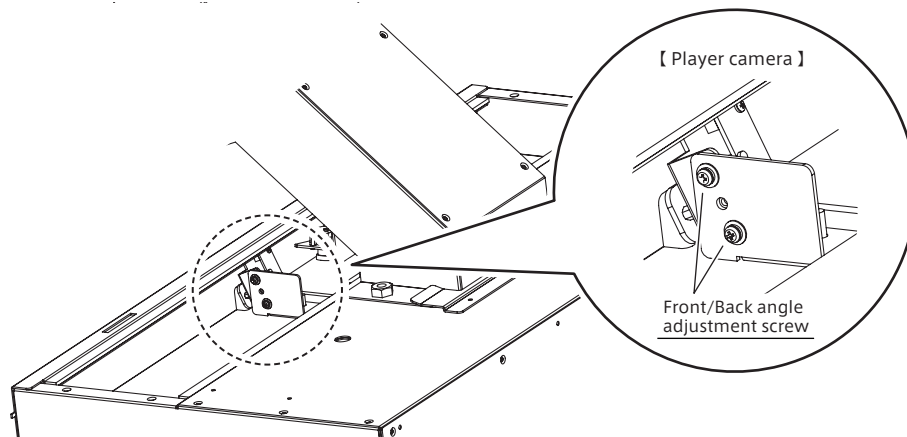
1

Turn "OFF" the power switch, unfasten the 4 screws and remove the upper cover.

STEP

2

Adjust by loosening the 2 adjustment screws and fasten by tightening the screws. Once adjusted, reassemble in the reverse order.



8 - 7 Fig. 01

STOP

IMPORTANT

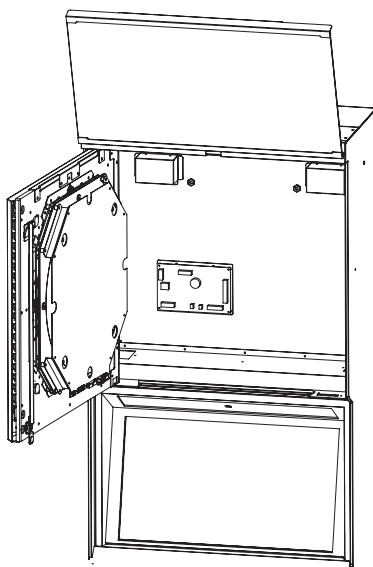
If the images from the player camera and the target camera have been switched after replacing the camera, refer to "5-1-2 Selecting Camera" in OWNERS MANUAL to switch between their displays.

8 - 8 Replacing LITE Sensor

STEP

1

Switch the power "OFF" and open the target door with the maintenance key.



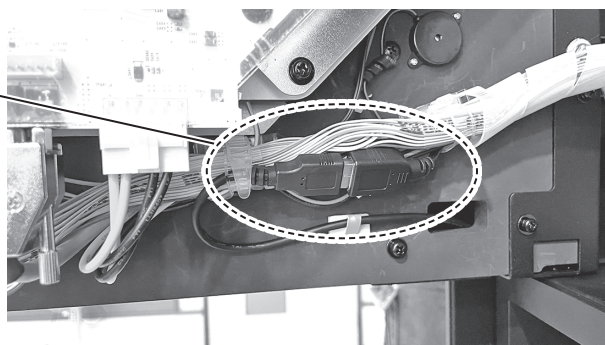
8 - 8 Fig. 01

STEP

2

Remove the clamp securing the cables and disconnect the USB cable connector of the LITE sensor.

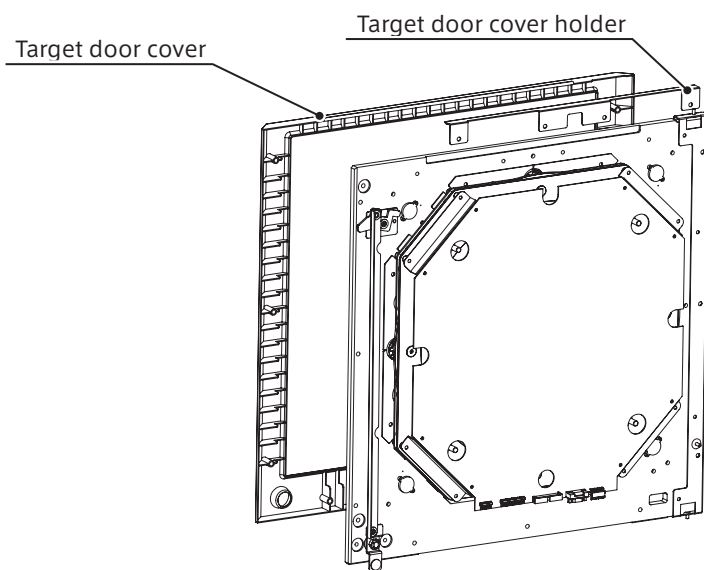
USB cable connector



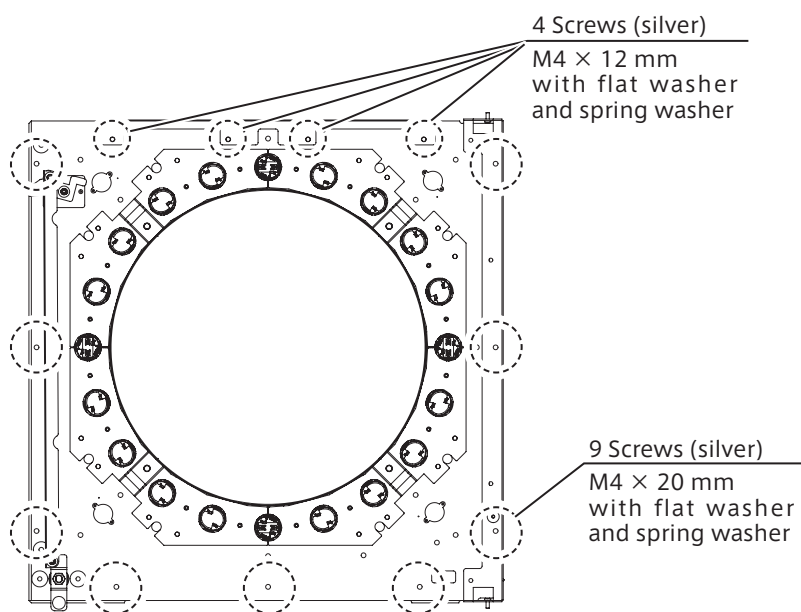
8 - 8 Fig. 02

STEP 3

Remove the 4 screws (silver) inside the target door and remove the target door cover holder. Remove the 9 screws (silver) and remove the target door cover.



8 - 8 Fig. 03



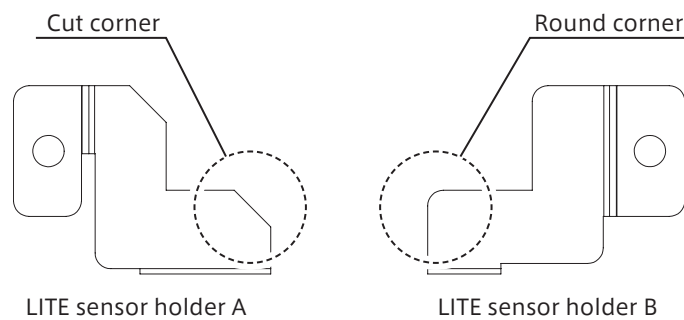
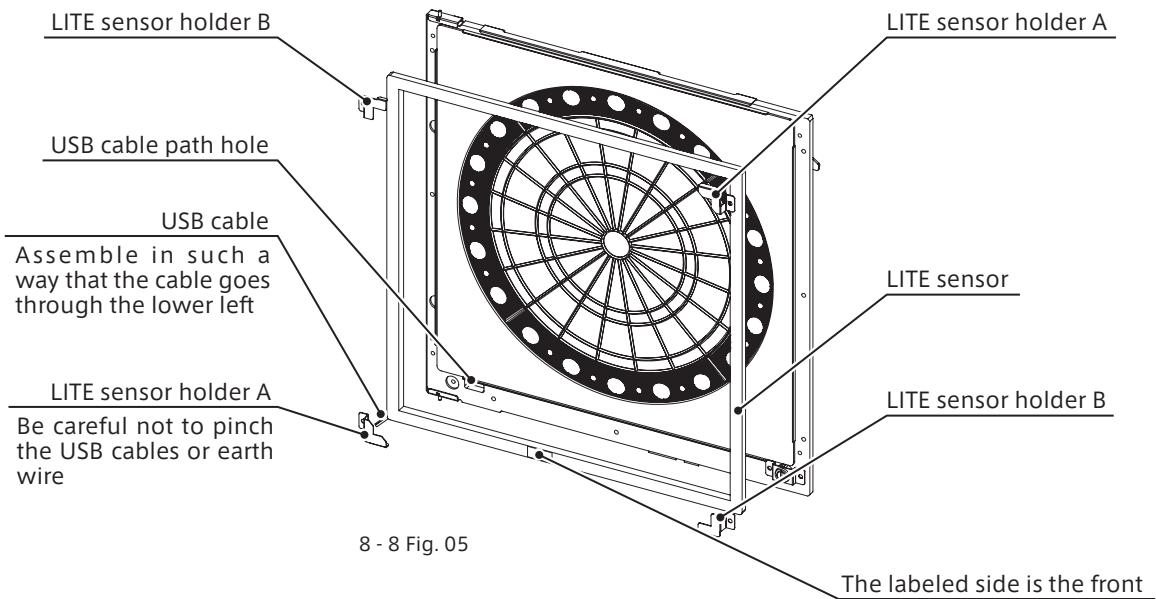
8 - 8 Fig. 04

⚠ CAUTION

The screws vary in length, based on what is going to be fixed. Using the wrong screws may damage parts. Use the correct screws in the correct positions.

STEP 4

After pulling out the USB cable through the hole to the front side, hold the LITE sensor so that it doesn't fall. Remove a corresponding screw and remove LITE sensor holders A and B.



STEP 5

Carefully reassemble the LITE sensor that will be replaced in the reverse order, so that it is in the correct direction and orientation.

When reassembling, be careful not to pinch the cables with the cover or door as this may cause a malfunction. Be careful not to pinch the USB cables or earth wire of the LITE sensor with the fixtures. The resin parts will be damaged. Avoid overtightening screws.

STOP IMPORTANT

After the LITE sensor is replaced, perform a calibration in the maintenance mode and then check the sensor with a reaction test. (Refer to 5-1 in the Service manual)

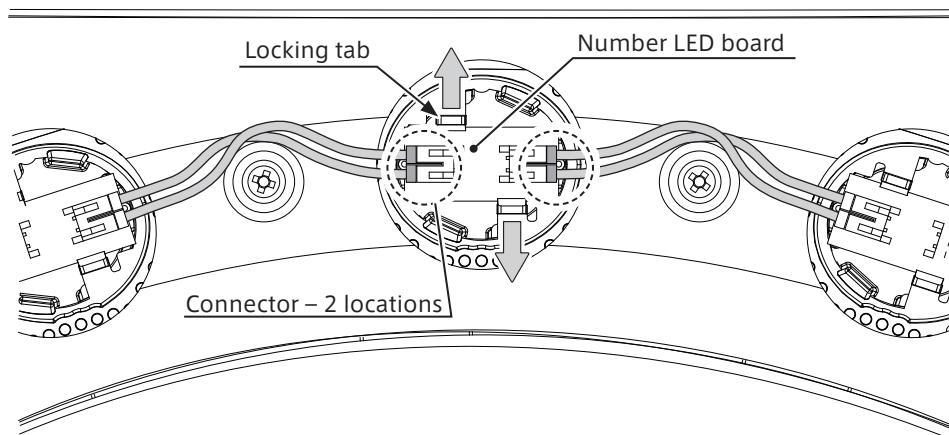
8 - 9 Replacing Number LED Board

STEP 1

Refer to "8-1-1 Replacing Segment" and dismount the target.

STEP 2

Disconnect the connectors on the left and right. Open the two locking tabs and remove the number LED board. When you have completed the replacement, reassemble them in the reverse order.

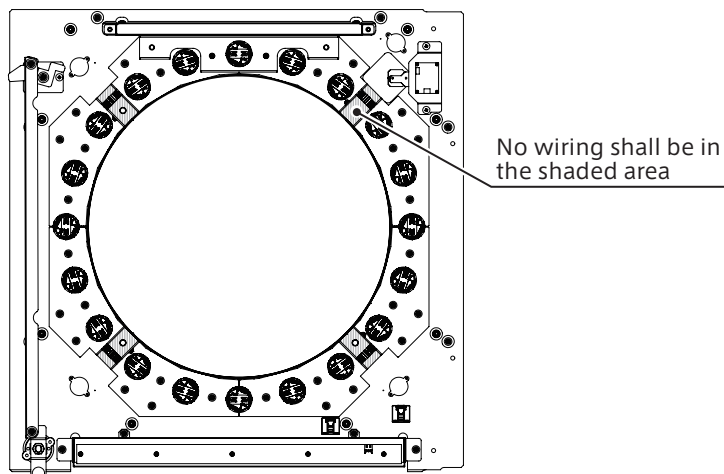


8 - 11 Fig. 01

CAUTION

When mounting the target onto the target door, be careful not to pinch the wiring of the number LED board or the impact sensor. It may cause malfunction or fire.

If wiring is placed in the shaded area, it will be pinched. Mount the target onto the target door after confirming that there is no wiring in the shaded area.



8 - 10 Replacing Outer Board Segment

STEP
1

Remove the dartboard (target), target door cover, and LITE sensor by referring to "8-1-1 Replacing Segment" and "8-8 Replacing LITE Sensor."

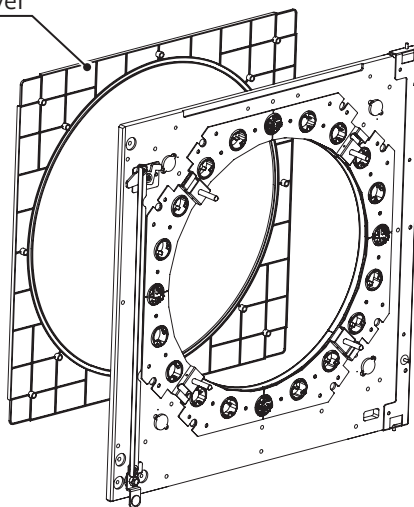
STEP
2

Refer to "8-9 Replacing Number LED Board" and remove the number LED board.

STEP
3

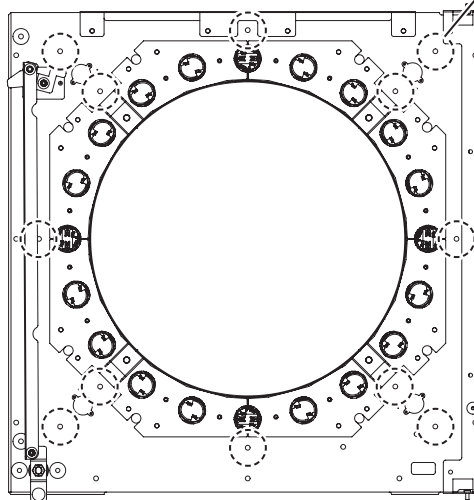
Remove the 12 screws (black) on the inside of the target door and remove the target door board cover.

Target door board cover



8 - 10 Fig. 01

12 Screws (black)
M4 × 12 mm
with flat washer
and spring washer
(black)



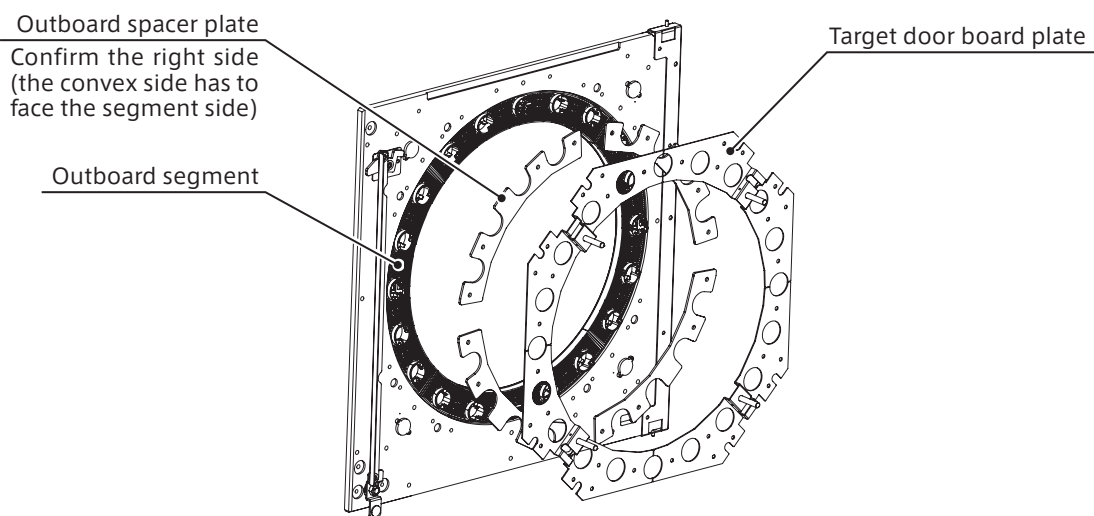
8 - 10 Fig. 02

CAUTION

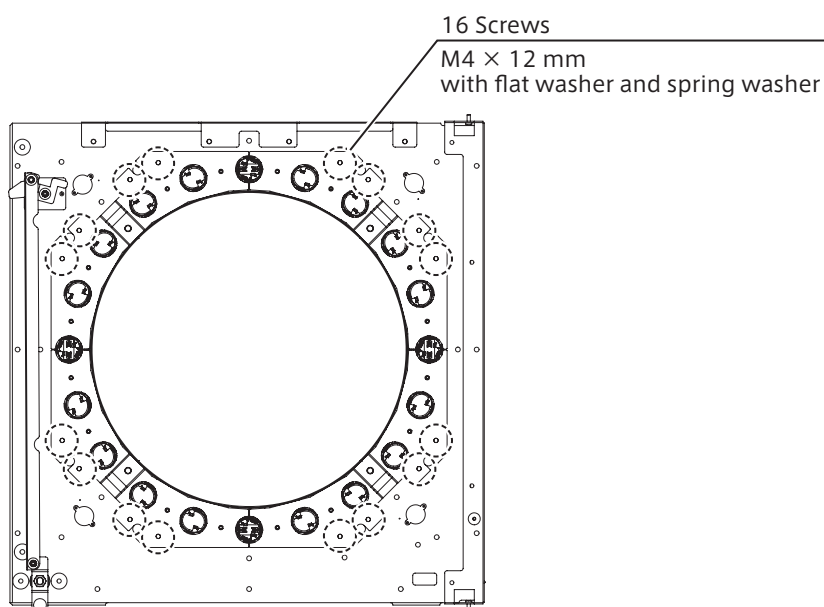
The screws vary in length, based on what is going to be fixed. Using the wrong screws may damage parts. Use the correct screws in the correct positions.

STEP 4

Remove the 16 screws on the inside of the target door, remove the target door board plate, and then remove the outboard segment and outboard spacer plates.



8 - 10 Fig. 03



8 - 10 Fig. 04

STEP 5

After replacing the outboard segment, reassemble in the reverse order.

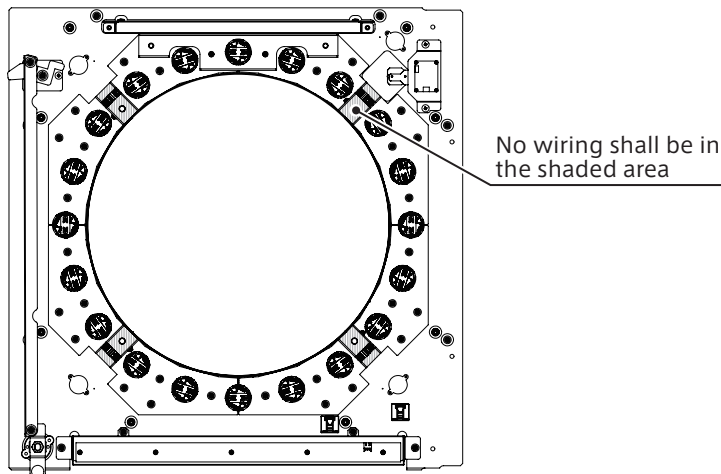
Confirm the orientation of the outboard spacer plates. (the convex side at the screw part has to face to the segment side)

Avoid overtightening screws so as not to damage the resin parts.

CAUTION

When mounting the target onto the target door, be careful not to pinch the wiring of the number LED board or the impact sensor. It may cause malfunction or fire.

If wiring is placed in the shaded area, it will be pinched. Mount the target onto the target door after confirming that there is no wiring in the shaded area.



1

2

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12

13

8 - 11 Replacing PC Unit

STEP 1

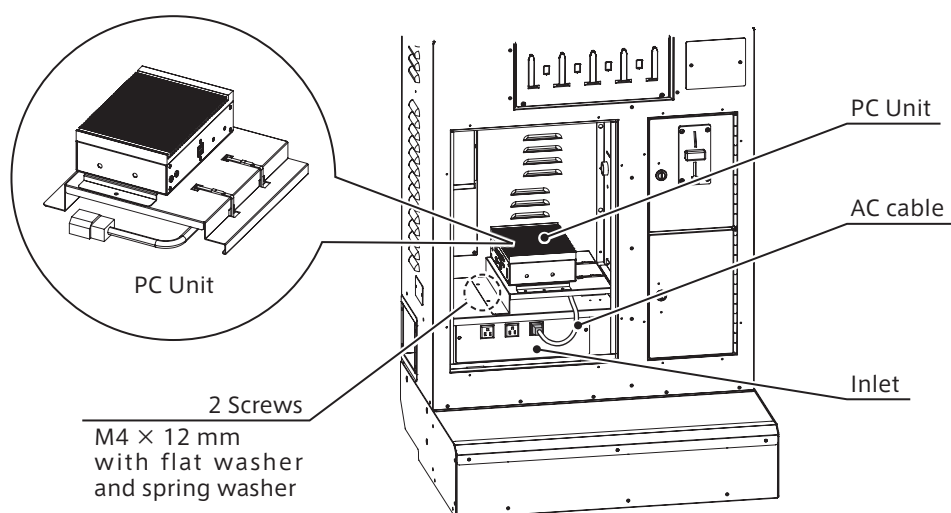
Switch the power "OFF" and open the lower lid with the maintenance key.

⚠ CAUTION

If the machine was running just before, wait for the PC unit to cool down before working on it.

STEP 2

Remove all wires connected to the PC unit and disconnect the AC cable from the inlet, then remove the two screws and take out the PC unit.

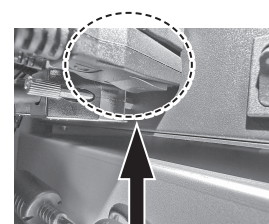


8 - 11 Fig. 01

STOP

IMPORTANT

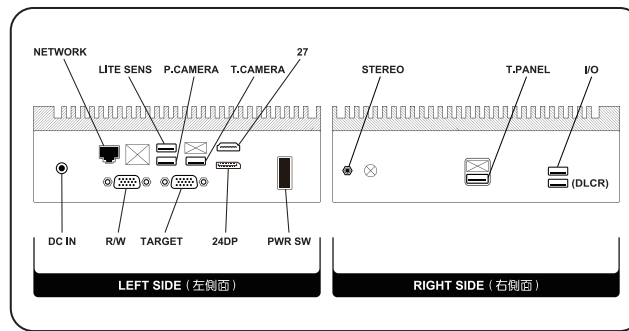
To unplug the DP cable, please press the button shown in the photo while removing the cable, as it is secured with a latch.



Push here

STEP 3

Reassemble the replacement PC unit in the reverse order. Insert the wires firmly into the positions as instructed.



8 - 11 Fig. 02

STOP IMPORTANT

- Make sure that the cables are not placed on the heat sink of the PC unit when wiring.
- After the PC unit is replaced, perform a calibration for the LITE sensor in the maintenance mode. (Refer to 5-1 in the Service manual)

9 Periodic Inspection

In order to maintain the performance of this product and to conduct business operation safely, regularly conduct inspection and maintenance on the following.

* In particular, the periodic inspection of software is explained in another document, OWNERS MANUAL. Please refer to it also.

WARNING

- Check the power cable every six months for any damages, if its plug is firmly inserted, or if it has dust accumulated between the outlet and the power plug. Using it with dust left accumulated may cause fire or electric shock.
- Deterioration of the insulation of electronic and electrical components due to aging may cause accidents involving short-circuit or smoke. Check if there is any abnormality such as burning smell.

■ Periodic inspection chart

Inspection point	Detail	Term	Reference
Cabinet	How the adjusters are landed.	Daily	6-1
Target	Removing jammed tips. *1	Monthly	8-1-2
	Inspection on the sensors.	Monthly, or when *1 is conducted.	OWNERS MANUAL 5-1
	Inspection for any missing rubber foot.	Every 3 months	8-1
	Inspection for wear on the rubber feet.	Every 3 months	8-1
	Cleaning the LITE sensor.	Daily	8-8
Card reader	Inspection.	Every week	OWNERS MANUAL 5-1
Coin selector (There are some units such as those for China, which were manufactured on specification without coin selector.)	Inspection on the coin switch.	Monthly	8-5
	Coin insertion test	Monthly	8-5
	Cleaning coin selector	Every 3 months	8-5
Electronic/electric components	Inspection and cleaning.	Annually	
	Cleaning.	Every 6 months	
Power Cable	Inspection and cleaning.	Every 6 months	6-1
Upper monitor	Cleaning.	As needed	
Lower touch Screen monitor	Cleaning	As needed	
	Check for scratch or crack.	Daily	
Surfaces of the cabinet	Cleaning	As needed	

CAUTION

To clean the LITE sensor, use an air duster or a soft cloth, such as microfiber for glasses.

* When cleaning, be careful not to scratch the surface.

* Precision instruments should be handled with care to avoid getting moisture on them.

* Please be careful to avoid contact with alcohol, disinfectants containing chlorine, and organic solvents.

10 Troubleshooting

Description of trouble	Cause	Action to take
Turning "ON" power switch does not start the unit.	No power supplied.	Insert the power plug securely into the outlet. (Refer to 6-1.)
	Power supplied with incorrect voltage.	Supply power with correct voltage. (Refer to Chapter 3.)
	Momentary overload has activated the circuit protector.	Eliminate the cause of the overload and reconnect the circuit protector of the AC unit. (Refer to the circuit protector later in this chapter.)
	Power switch turned OFF.	Turn ON the power switch.
The screen shows an error message.	Software error or poorly connected connector.	Take note of the message on the screen and contact your product retailer.
It does not output audio.	Incorrect volume adjustment.	Adjust the volume in the maintenance mode. (Refer to 5-1 in OWNERS MANUAL.)
	Failure of speaker, woofer or amplifier.	Contact your product retailer.
It outputs audio, but the monitor remains blank.	Poorly connected connector.	Plug in the AC cable and video signal line firmly. (Refer to 6-1.)
	Failure of the LCD monitor.	Replace the LCD monitor. (Refer to 8-3 and 8-4.)
The images on the upper and lower monitors are switched.	This may occur when the monitors are replaced.	Switch their output in the maintenance mode. (Refer to Chapter 5 in OWNERS MANUAL.)
There is some problem when inserting a coin. It returns the inserted coin.	Poorly connected connector.	Check the connection of the connector. (Refer to 8-5.)
	Software configuration.	Configure the software properly in the maintenance mode. (Refer to 5-2 in OWNERS MANUAL.)
	Failure of the selector.	Replace the selector. (Refer to 8-5.)
LEDs do not light up.	Software configuration.	Configure the software properly in the maintenance mode. (Refer to 5-1 in OWNERS MANUAL.)
	Failure of the LED board.	Contact your product retailer.
Camera not producing image.	Poorly connected connector.	Check the connection of the USB cable and connectors. (Refer to 6-1.)
	Failure of the camera.	Replace the camera. (Refer to 8-6 and 8-7.)
The images of the player camera and target camera are switched.	This may occur when the cameras are replaced.	Switch their output in the maintenance mode. (Refer to Chapter 5-1 in OWNERS MANUAL.)
Card reader not responding.	Poorly connected connector.	Check the connection of the connector. (Refer to 6-1.)
	Failure of the card reader.	Replace the card reader. (Refer to 8-2.)

Description of trouble	Cause	Action to take
Membrane switch not responding.	Poorly connected connector.	Check the connection of the connector. (Refer to 6-1.)
	Failure of the membrane switch.	Replace the membrane switch. (Refer to 8-1.)
Membrane switch responding incorrectly or with poor sensitivity.	Target assembled improperly.	Assemble the target correctly. (Refer to 8-1.)
Impact sensor not responding or over responding.	Improperly adjusted sensitivity.	Configure the software properly in the maintenance mode. (Refer to 5-1 in OWNERS MANUAL.)
	Poorly connected connector.	Check the connection of the connector.
	Failure of the impact sensor.	Either contact the product supplier or refer to "Contact Details" given in this manual.
LITE sensor not responding.	Dirt on the LITE sensor or chips on the dartboard.	Clear the dirt. Remove any remaining chips.
	Poorly connected connector.	Check the connection of the connector. (Refer to 6-1.)
	Transmittance degradation due to scratches on the LITE sensor, etc.	Replace the LITE sensor. (Refer to 8-8.)
	Failure of the LITE sensor.	Replace the LITE sensor. (Refer to 8-8.)
LITE sensor not detecting correct position.	Incorrect configuration.	Perform a calibration in the maintenance mode and then check the sensor with a reaction test. (Refer to 5-1 in OWNERS MANUAL.)
	Dirt on the LITE sensor or chips on the dartboard.	Clear the dirt. Remove any remaining chips.
	Transmittance degradation due to scratches on the LITE sensor, etc.	Replace the LITE sensor. (Refer to 8-8.)
	Failure of the LITE sensor.	Replace the LITE sensor. (Refer to 8-8.)
PC unit does not start.	Poorly connected connector.	Check the connection of the connector. (Refer to 6-1.)
	Failure of the PC unit.	Replace the PC unit. (Refer to 8-13.)

For network or software troubles, refer to Chapter "6 Troubleshooting" in another document, "OWNERS MANUAL". Or, visit the following "Product Support Page".

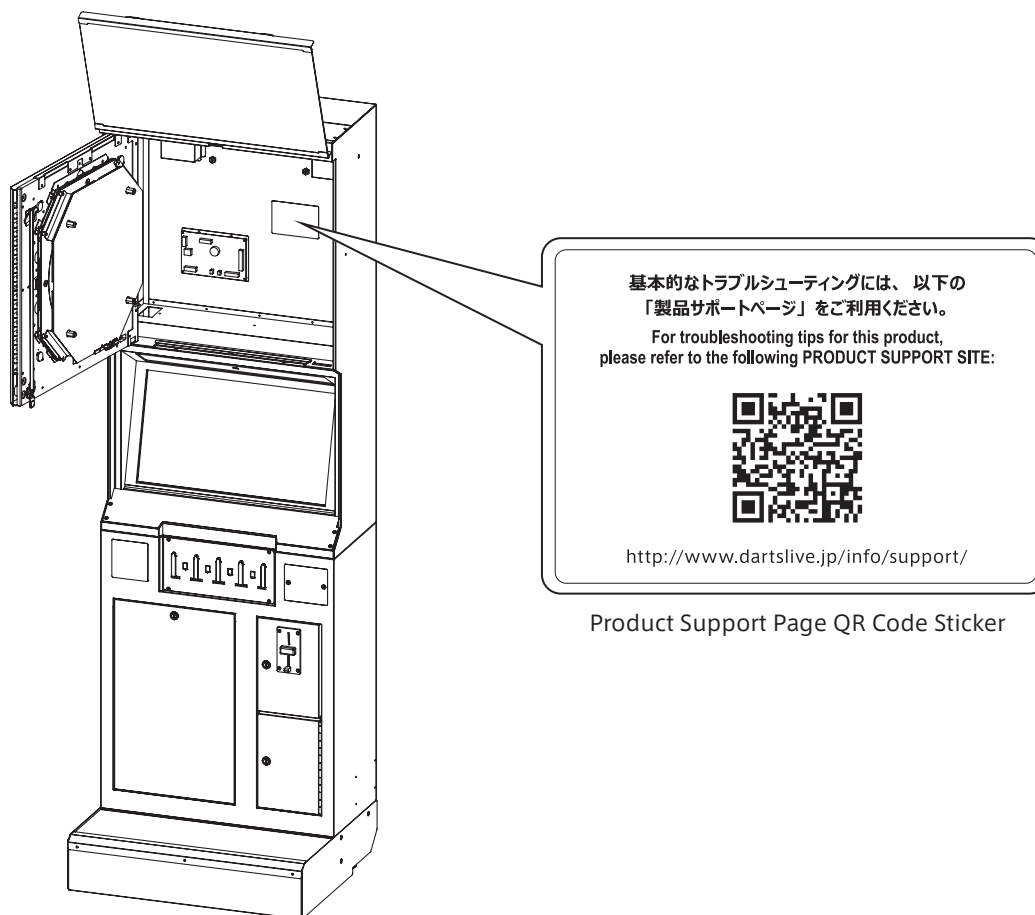


<http://www.dartslive.jp/info/support/>

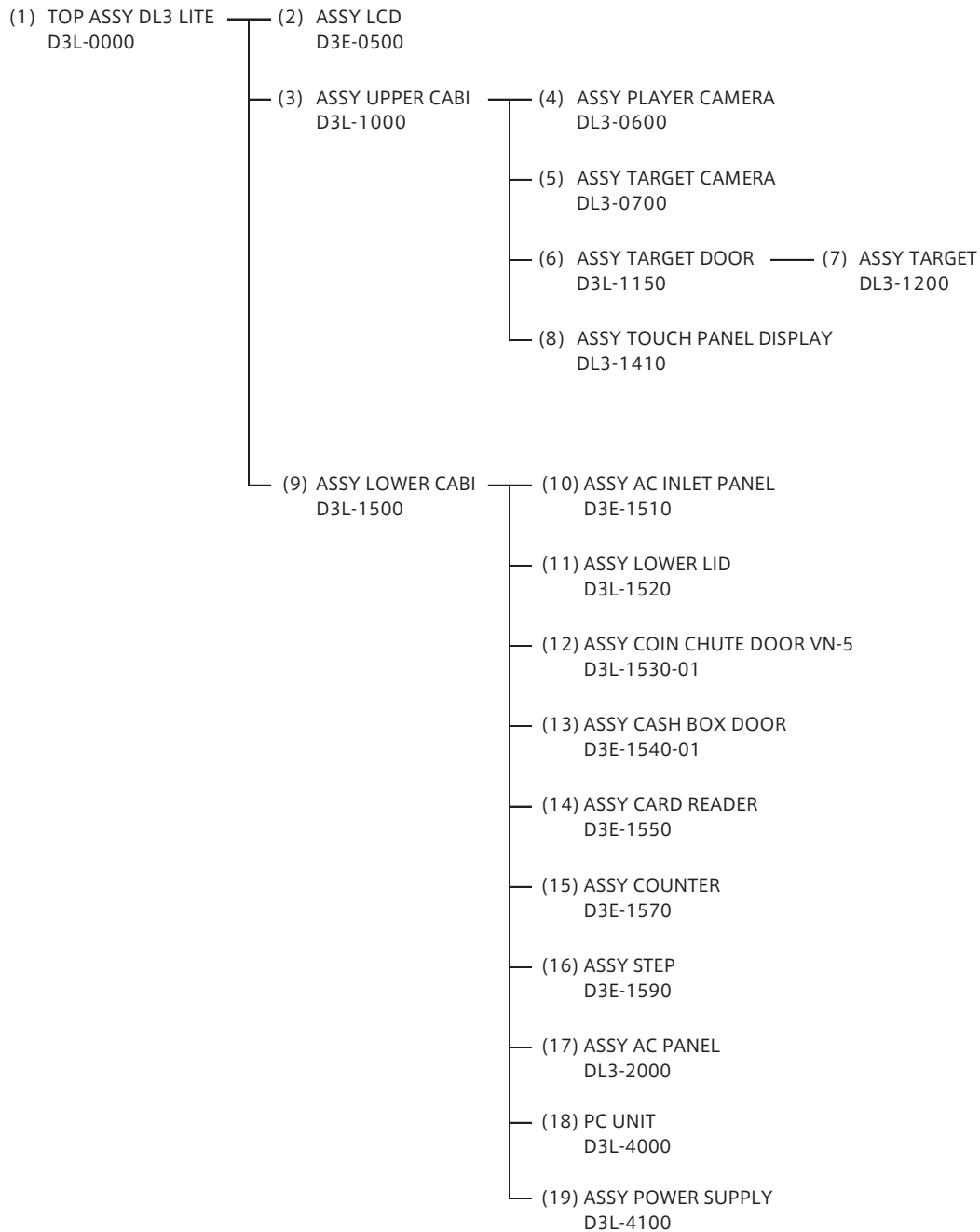
Circuit protector

The circuit protector activates its bimetal to cut off the circuit. Therefore, it cannot be turned on again until the bimetal has cooled down. Wait at least one minute before start it up. (Turn the button "ON".)

- For basic troubleshooting, please use the "Product Support Page" from the URL or QR code on the two stickers attached to the cabinet.

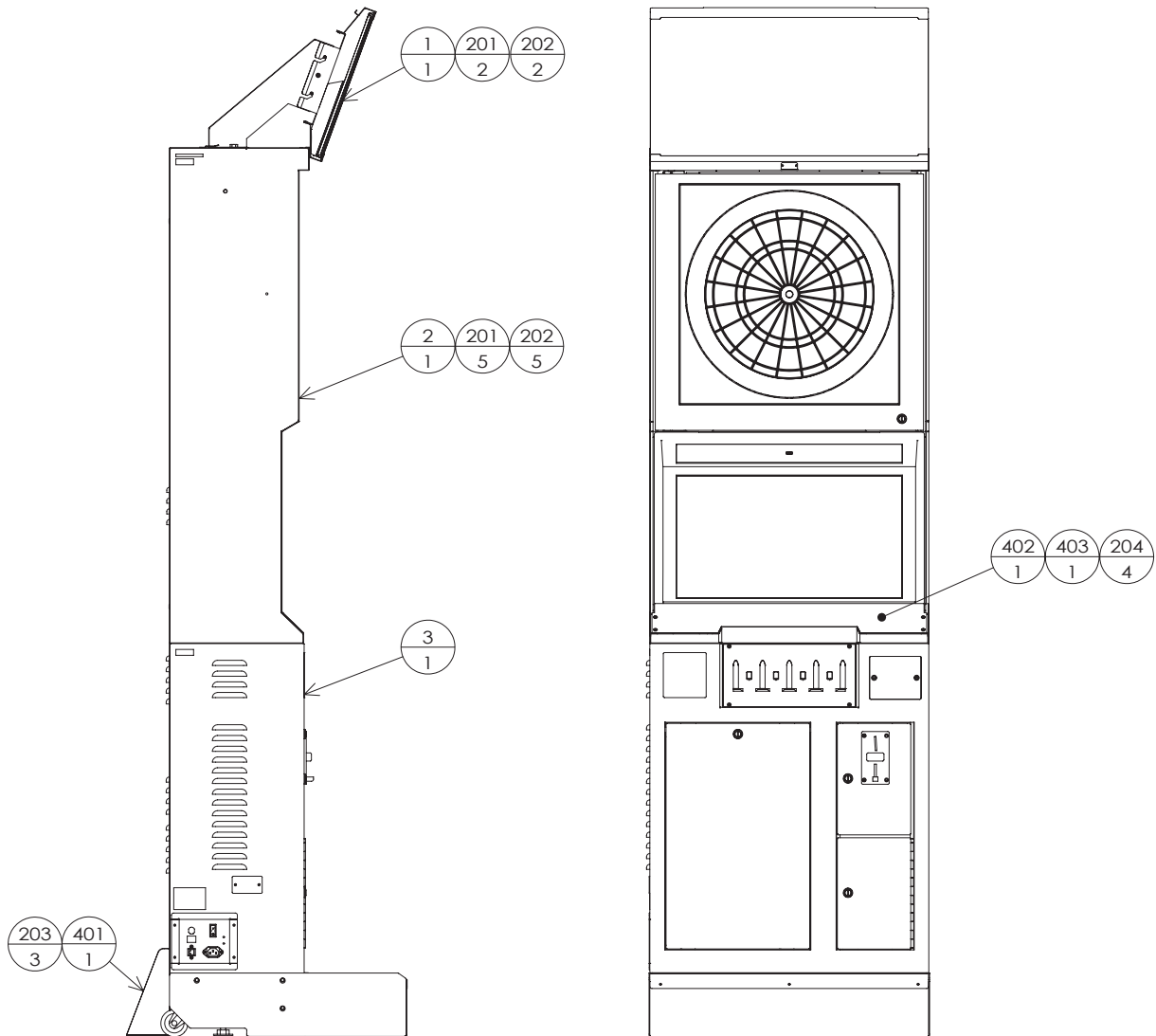


11 Parts List



(1) TOP ASSY DL3 LITE (D3L-0000)

(D-1/2)

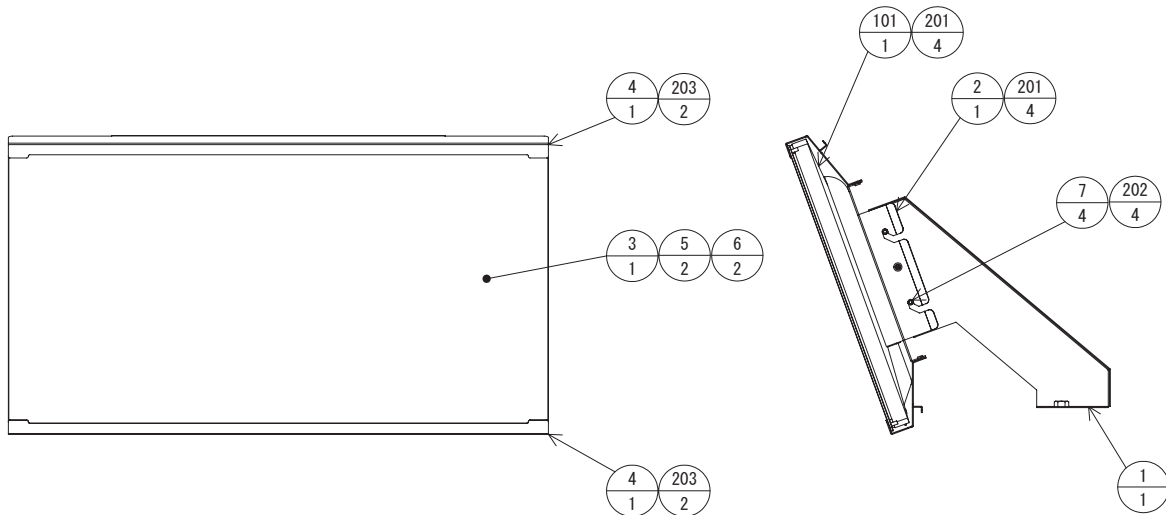


ITEM NO.	PART NO.	DESCRIPTION	NOTE
1	D3E-0500	ASSY LCD	
2	D3L-1000	ASSY UPPER CABI	
3	D3L-1500	ASSY LOWER CABI	
4	D3L-0002	STICKER ELEC SPEC	
5	DL3-0003	STICKER SERIAL NUMBER	
201	WING BLT M8X20	Wing bolt M8X20	
202	FLT WASHER 22-8.0-1.6	Flat washer 22-8.0-1.6	
203	UPSET BOLT M8X16 P3 BLK	Cross recessed upset bolt M8X16 P3 Black trivalent	
204	HEX SKT ELH M4X8 BLK	Very low bow cap bolt M4X8 Black trivalent	

(1) TOP ASSY DL3 LITE (D3L-0000)**(D-2/2)**

ITEM NO.	PART NO.	DESCRIPTION	NOTE
401	D3E-0001	LOWER L BRKT	
402	D3E-1009	FRONT COVER	
403	D3L-1010	STICKER FRONT COVER	
404	MV00003800620	AC CABLE 10A AC250V 2000MM BLACK	
405	MV00003800800	LAN CABLE 10 m	
406	DL3-7001	THROWLINE STICKER	
407	D3L-7101	INSTRUCTION MANUAL	
408	D3L-7102	SERVICE MANUAL	
409	KEY-880A-A001	KEY MASTER A001	
410	KEY-880A-A002	KEY MASTER A002	
411	DSL02-500100-10	HEX KEY WRENCH	

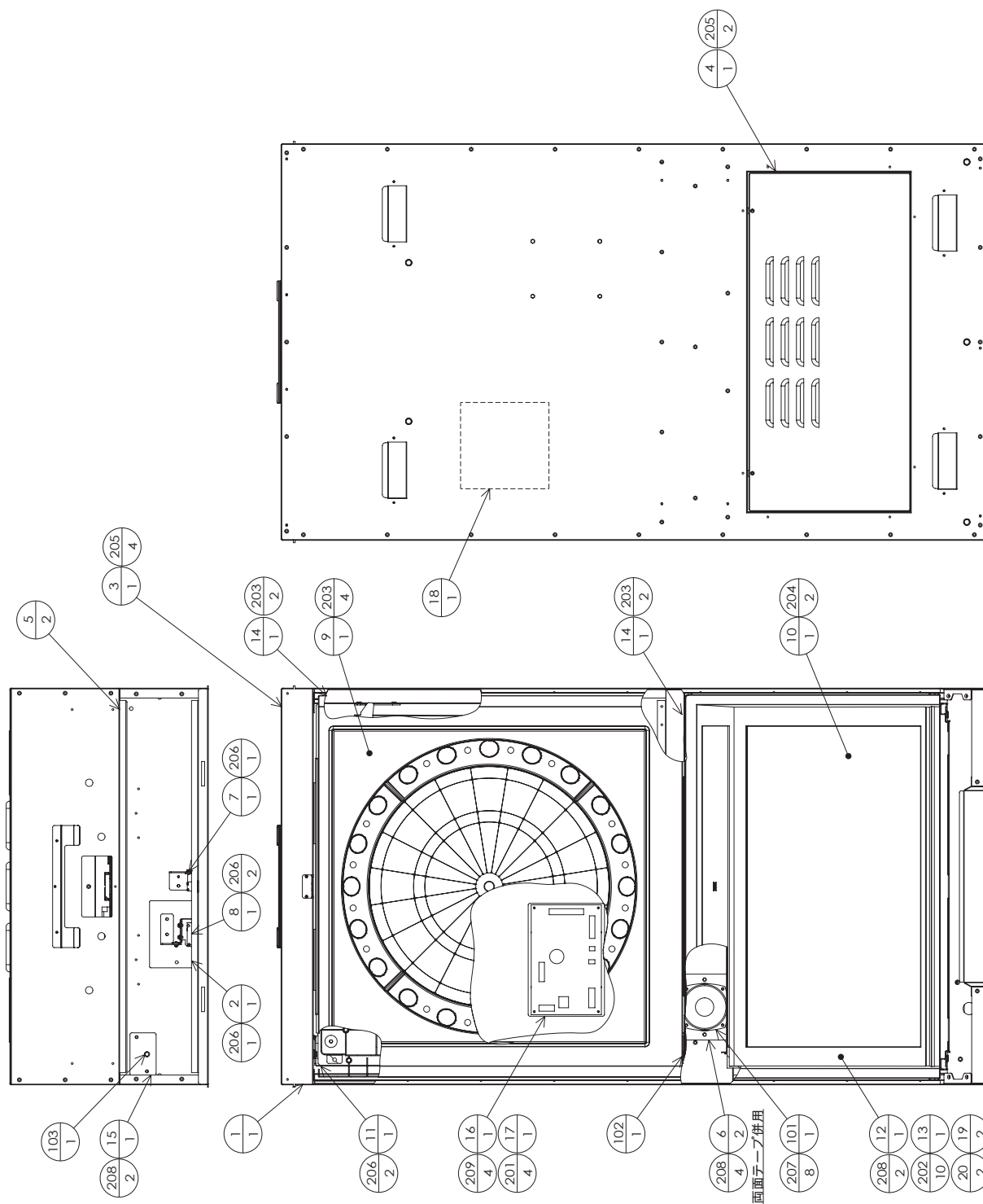
(2) ASSY LCD (D3E-0500)



ITEM NO.	PART NO.	DESCRIPTION	NOTE
1	D3E-0501	LCD MOUNT BASE	
2	D3E-0508	LCD ATT BRKT VX2776	
3	D3E-0503	LCD ACRILIC	
4	D3E-0504	LCD ACRILIC BRKT	
5	DL3-0507	RUBBER L FOR LCD	
6	DL3-0508	RUBBER S FOR LCD	
7	DSL02-002600-11	LCD FOOK SPACER	
101	VX2776-SH_H-7	VIEW SONIC 27inch LCD	
201	M SCR PH M4X12 P3 BLK	Pan head screw M4X12 P3 FS Washer attached Black trivalent	
202	M SCR PH M4X8 P3	Pan head screw M4X8 P3 FS Washer attached	
203	FLG NUT M4	Flange nut M4	

(3) ASSY UPPER CABI (D3L-1000)

(D-1/3)



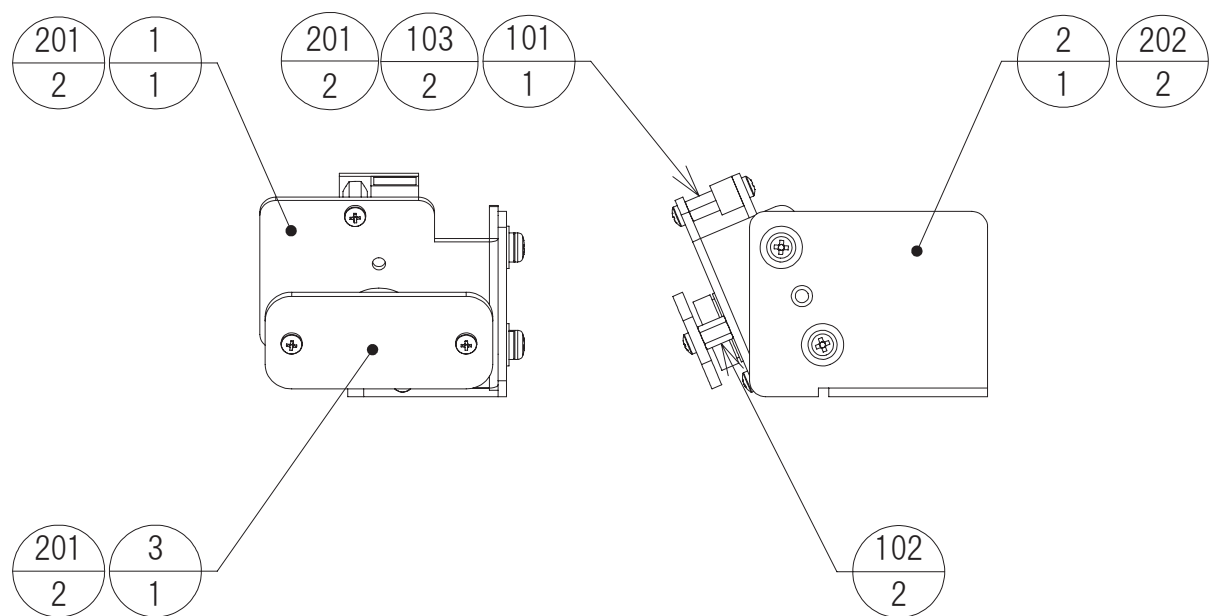
(3) ASSY UPPER CABI (D3L-1000)**(D-2/3)**

ITEM NO.	PART NO.	DESCRIPTION	NOTE
1	D3L-1001	UPPER CABI	
2	D3E-1002	CAMERA ACRILIC TYPE T	
3	D3E-1003	TOP COVER	
4	D3L-1004	BACK LID	
5	D3E-1008	TOP COVER SPONGE	
6	D3E-1021	SPEAKER BRKT	
7	DL3-0600	ASSY PLAYER CAMERA	
8	DL3-0700	ASSY TARGET CAMERA	
9	D3L-1100	ASSY TARGET DOOR	
10	DL3-1410	ASSY TOUCH PANEL DISPLAY	
11	D3L-1153	TARGET DOOR UPPER AXIS	
12	DL3-1010	LCD ESCUTCHEON	
13	DL3-1011	SPEAKER NET	
14	DL3-1013	KEY LOCK PLATE	
15	DL3-1102	TARGET DOOR AXIS PLATE	
16	D3L-5001	I/O BD	
17	D3L-1002	IO BOARD BRKT	
18	DL3-1515EG	STICKER URL BARCODE ENG	
19	DL3-1023	PACKING RUBBER ESCUTCHEON 530	
20	DL3-1024	PACKING RUBBER ESCUTCHEON 300	
21	D3L-1003	FRONT COVER CUSHION	
101	F05008H0	SPEAKER	
102	DSL01-003600-11	BUSH POM	
103	DSL01-003700-12	BUSH POM	
104	MV00006500030	HDMI CABLE 3000MM (L-shape)	
105	MV00006500020	AC CABLE 10A AC250V 2000MM BLACK (L-shape)	
106	MV00005900210	USB CABLE AM TO BM 3000MM BLACK	
107	MV00005900200	AUDIO CABLE 2500MM 3.5MM MINI PLUG	
108	MV00006500010	USB CABLE AM TO AF 2000MM BLACK	
109	ECA01-0018B	TOVIS DP CABLE 2000MM	
110	-	SPIRAL TUBE 15 φ 025CM	
111	NFT-12	FERRITE CORE	
201	M SCR PH M3X6 P3	Pan head screw M3X6 P3 FS Washer attached	
202	M SCR PH M3X8 P3 BLK	Pan head screw M3X8 P3 FS Washer attached Black trivalent	
203	M SCR PH M4X12 P3 BLK	Pan head screw M4X12 P3 FS Washer attached Black trivalent	
204	M SCR PH M5X10 P3	Pan head screw M5X10 P3 FS Washer attached	
205	M SCR TH M4X6 BLK	Truss head screw M4X6 Black trivalent	
206	FLG NUT M4	Flange nut M4	
207	FLG NUT M3	Flange nut M3	
208	M SCR PH M4X8 P3 BLK	Pan head screw M4X8 P3 FS Washer attached Black trivalent	
209	M SCR FH M3X10	Countersunk screw M3X10	

(3) ASSY UPPER CABI (D3L-1000)**(D-3/3)**

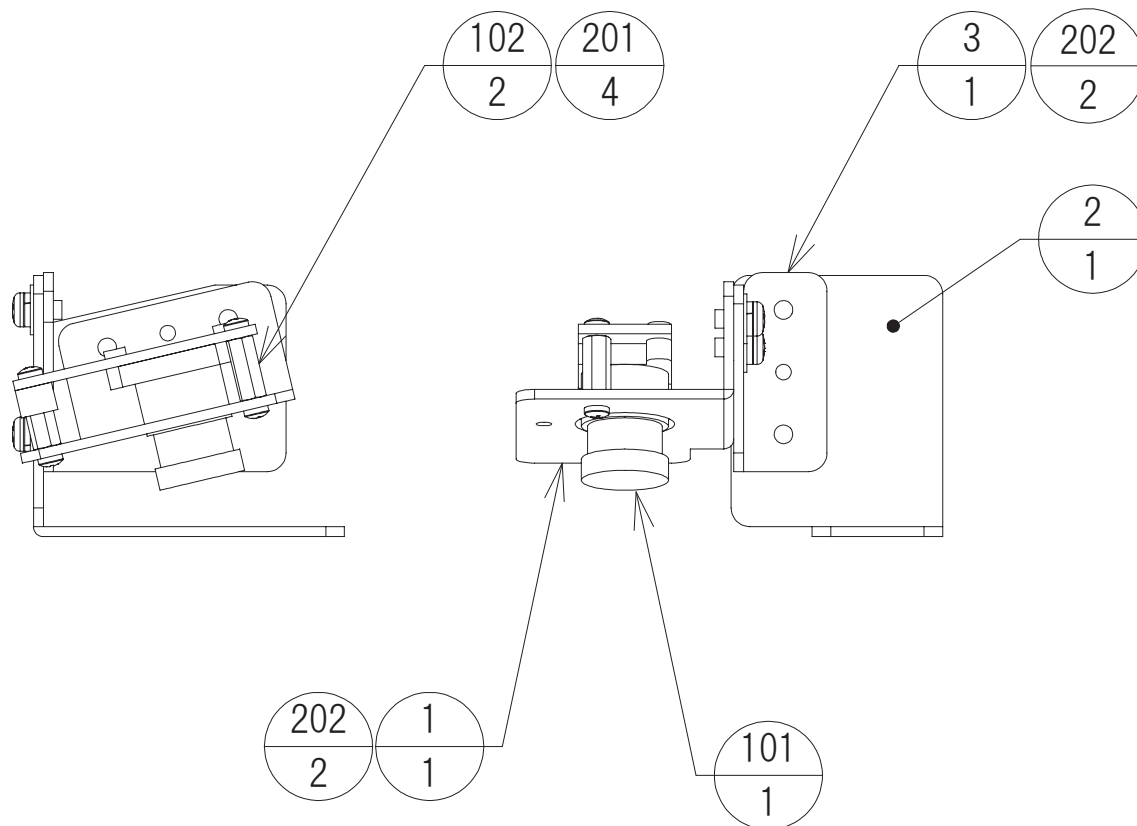
ITEM NO.	PART NO.	DESCRIPTION	NOTE
301	D3L-6006	WH MAIN TO LOWER	
302	D3L-6009	WH NUMBER LED	
303	D3L-6010	WH JUMPER	
304	DL3-6020	WH EARTH DOOR	
305	DL3-6024	WH EARTH SPEAKER NET CABI	
306	DL3-6025	WH EARTH SPEAKER NET	
307	D3L-6101	WH SPEAKER L CH	
308	D3L-6102	WH SPEAKER R CH	
309	D3L-6103	WH MAIN BD POWER	
310	D3L-6104	WH TARGET LED POWER	
311	DL3-6028	WH TARGET LED FLAT	
312	MV00003800091	WH DSUB TARGET	

(4) ASSY PLAYER CAMERA (DL3-0600)



ITEM NO.	PART NO.	DESCRIPTION	NOTE
1	DL3-0601	CAMERA BRKT TYPE P	
2	DL3-0602	CAMERA SUPPORT TYPE P	
3	DL3-0603	CAMERA ACRYLIC TYPE P	
4	DL3-0604	CABLE TAG P.CAMERA	
101	KBCR-S03MU-DW9305CM	USB CAMERA S03MU-DW9305CM	
102	DSL01-016900-10	SPACER BRASS	
103	DSL01-017000-12	SPACER	
104	MV00003800440	USB CABLE CAMERA	
201	M SCR PH M2X4 BLK	Pan head screw M2X4 Black trivalent	
202	M SCR PH M3X6 P3 BLK	Pan head screw M3X6 P3 FS Washer attached Black trivalent	

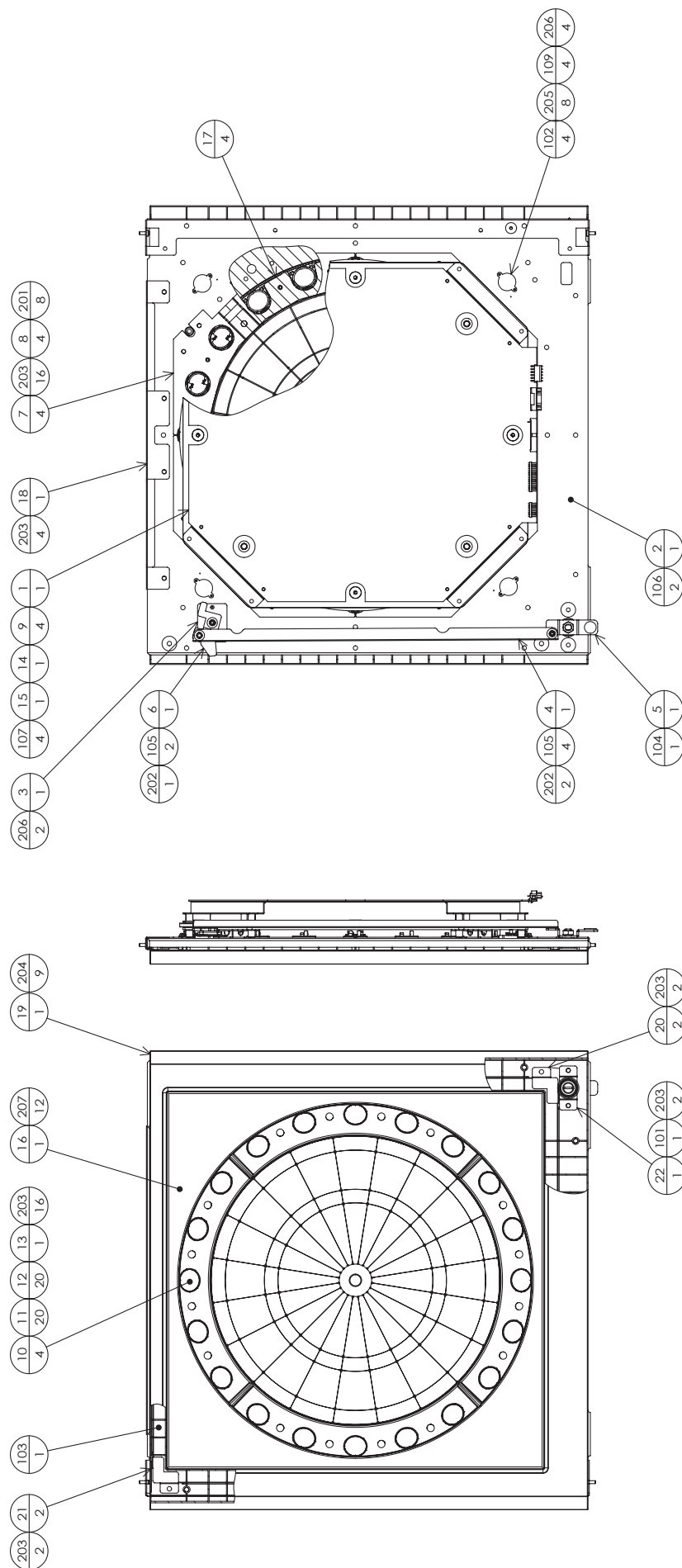
(5) ASSY TARGET CAMERA (DL3-0700)



ITEM NO.	PART NO.	DESCRIPTION	NOTE
1	DL3-0701	CAMERA BRKT TYPE T	
2	DL3-0702	CAMERA SUPPORT TYPE T	
3	DL3-0703	CAMERA HOLDER	
4	DL3-0704	CABLE TAG T.CAMERA	
101	KBCR-S03MU-HPB1007	USB CAMERA S03MU-HPB1007	
102	DSL01-017000-12	SPACER POM	
103	MV00003800440	USB CABLE CAMERA	
201	M SCR PH M2X4 BLK	Pan head screw M2X4 Black trivalent	
202	M SCR PH M3X6 P3 BLK	Pan head screw M3X6 P3 FS Washer attached Black trivalent	

(6) ASSY TARGET DOOR (D3L-1150)

(D-1/2)

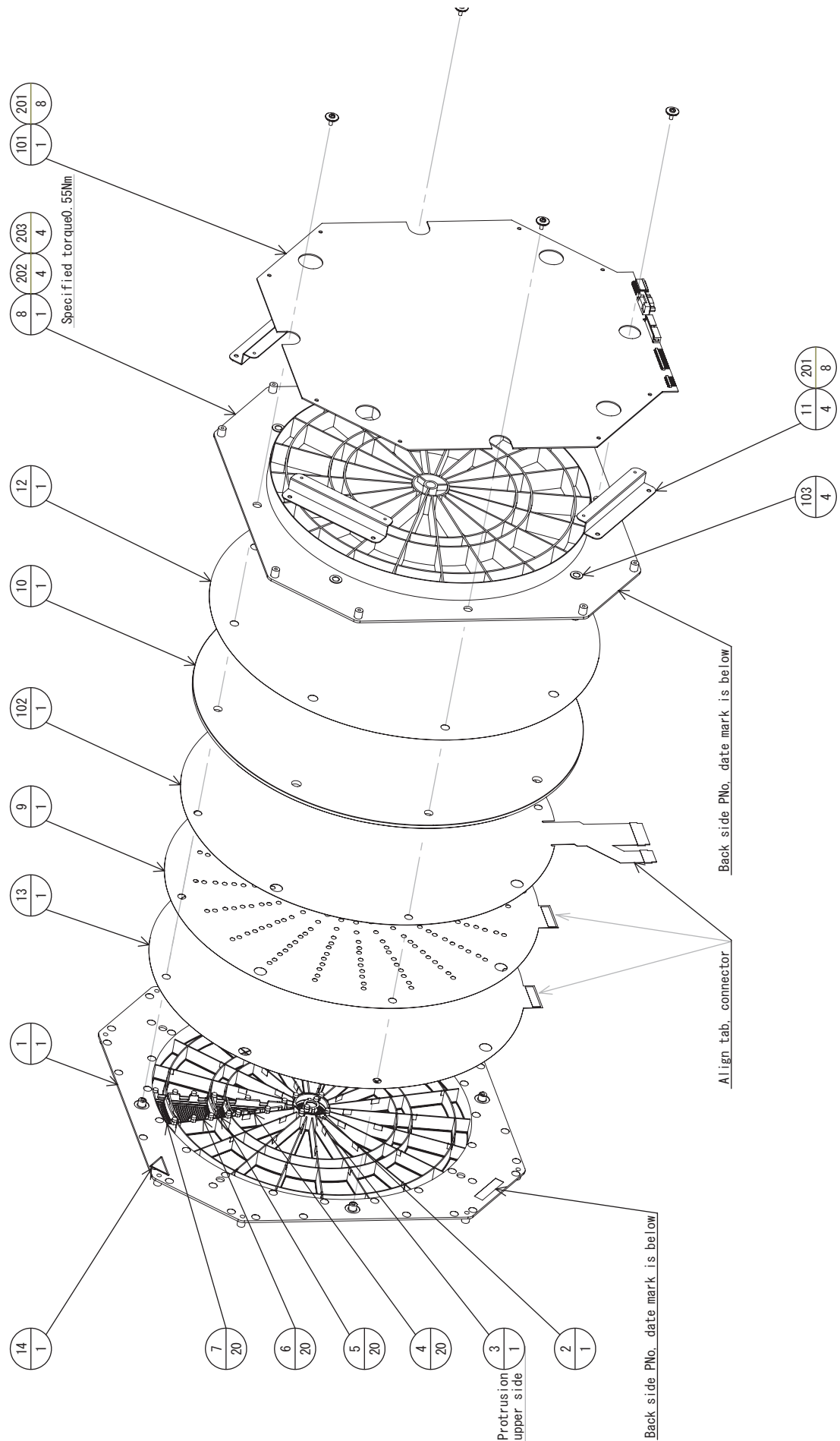


(6) ASSY TARGET DOOR (D3L-1150)**(D-2/2)**

ITEM NO.	PART NO.	DESCRIPTION	NOTE
1	DL3-1200	ASSY TARGET	
2	D3L-1151	TARGET DOOR BOARD	
3	DL3-1103	DOOR LOCK PLATE	
4	DL3-1104	LOCK LINK	
5	D3L-1162	TARGET KEY TNG	
6	D3L-1156	TARGET KEY SUB TNG	
7	D3L-1154	TARGET DOOR BOARD PLATE	
8	DL2-1054	BOLT PLATE	
9	DL3-1124	TARGET NUT M8X50 BLACK	
10	DL3-1111	OUT BOARD SEGMENT	
11	DL3-1112	OUT BOARD LENS	
12	DL3-5007	LED BD FOR OUT BOARD	
13	DL3-1115	NUMBER STICKER	
14	DL2-1057	TARGET LED BD COVER	
15	DL3-1153EG	STICKER CAUTION TARGET ENG	
16	D3L-1152	TARGET DOOR BOARD COVER	
17	D3L-1155	OUTBOARD SPACER PLATE	
18	D3L-1157	TARGET DOOR COVER BRKT	
19	D3L-1158	TARGET DOOR COVER	
20	D3L-1159	LITE SENSOR HOLDER A	
21	D3L-1160	LITE SENSOR HOLDER B	
22	D3L-1161	KEY CYLINDER BRKT	
101	CZ8802D-01KAW0-A001	CLY LOCK MASTER W/O KEY A001	
102	KPEG110W08528A	SHOCK SENSOR	
103	D3L-5002	LITE SENSOR	
104	TM-182-816-16	URETHANE ROLL STOCK	
105	DSL01-016400-10	WASHER POM	
106	PDV-170BK	RELEASABLE PUSH MOUNT TIES	
107	DSL01-017900-10	GROMMET	
201	M SCR PH M3X8 P3	Pan head screw M3X8 P3 FS Washer attached	
202	M SCR PH M4X8 P3	Pan head screw M4X8 P3 FS Washer attached	
203	M SCR PH M4X16 P3	Pan head screw M4X16 P3 FS Washer attached	
204	M SCR PH M4X12 P3	Pan head screw M4X12 P3 FS Washer attached	
205	WOOD SCR PH 2X10	Φ 2X10 Log screw White trivalent	
206	WOOD SCR TH 4X8 BLK	Φ 4X8 Truss head Log screw Black trivalent	
207	M SCR PH M4X12 P3 BLK	Pan head screw M4X12 P3 FS Washer attached Black trivalent	
301	DL3-6004	WH NUMBER LED	
302	DL3-6005	WH NUMBER LED JP	
303	DL3-6006	WH OUTBOARD SENSOR	
304	DL3-6027	WH NUMBER LED JP W TUBE	

(7) ASSY TARGET (DL3-1200)

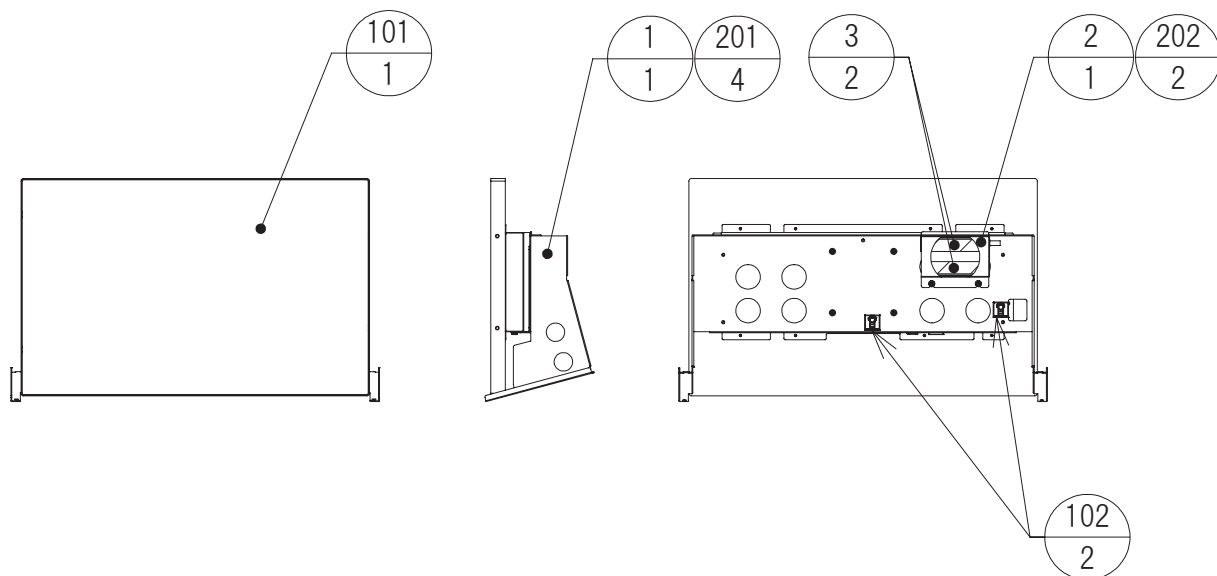
(D-1/2)



(7) ASSY TARGET (DL3-1200)**(D-2/2)**

ITEM NO.	PART NO.	DESCRIPTION	NOTE
1	DLT-1201XT-3BK	SPIDER BLACK	
2	DLT-1252-3BK	DOUBLE BULL SEGMENT BLACK	
3	DLT-1253	SINGLE BULL SEGMENT	
4	DLT-1254	SINGLE PIE SEGMENT	
5	DLT-1255	TRIPLE SEGMENT	
6	DLT-1256	SINGLE BLOCK SEGMENT	
7	DLT-1257	DOUBLE SEGMENT	
8	DL3-1211	TARGET LED REFLECT SPIDER FOR DL3	
9	DLT-1212	MENBRANE SPACER SHEET	
10	DL3-1213	TARGET BASE PLATE	
11	DL2-1214	LED BASE BRKT	
12	DL2-1215	DIFFUSE SHEET	
13	DLT-1261	MENBRANE PROTECT SHEET	
14	DLT-0002	STICKER POSITIONING CABI	
101	DL3-5003	TARGET LED BOARD	
102	509-6204	MENBRANE SW S-SGA-1789	
103	DSL01-011200-10	FLANGE BUSH	
201	M SCR PH M4X8 P3 BLK	Pan head screw M4X8 P3 FS Washer attached Black trivalent	
202	M SCR PH M4X12 P2 BLK	Pan head screw M4X12 P2 S Washer attached Black trivalent	
203	FLT WASHER 16-4-1.6 BLK	Flat washer 16-4-1.6 Black trivalent	

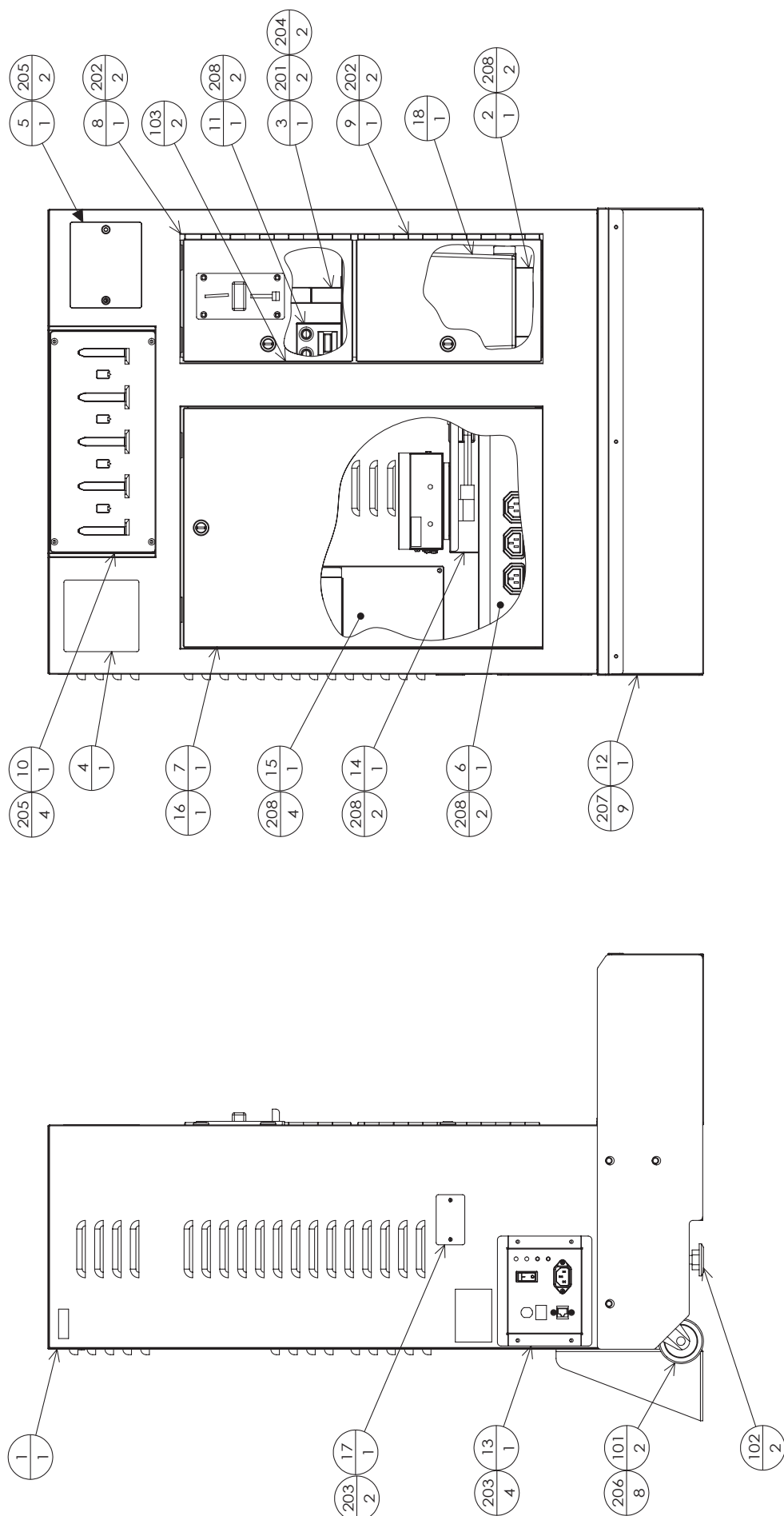
(8) ASSY TOUCH PANEL DISPLAY (DL3-1410)



ITEM NO.	PART NO.	DESCRIPTION	NOTE
1	DL3-1406	LOWER LCD BASE TOVIS	
2	DL3-1402	AC ADP BRKT	
3	DL3-1403	CUSHON FOR AC ADP	
4	DL3-1407	STICKER TP DISPLAY CONN POS TOVIS	
101	L24G7LTMDL	TOVIS 23.8inch TOUCH PANEL DISPLAY W/O CABLE	
102		CLAMP	
104	HAS060243-KW	POWER ADAPTOR 24V WEIHAI	
201	M SCR PH M4X10 P3	Pan head screw M4X10 P3 FS Washer attached	
202	FLG NUT M4	Flange nut M4	

(9) ASSY LOWER CABI (D3L-1500)

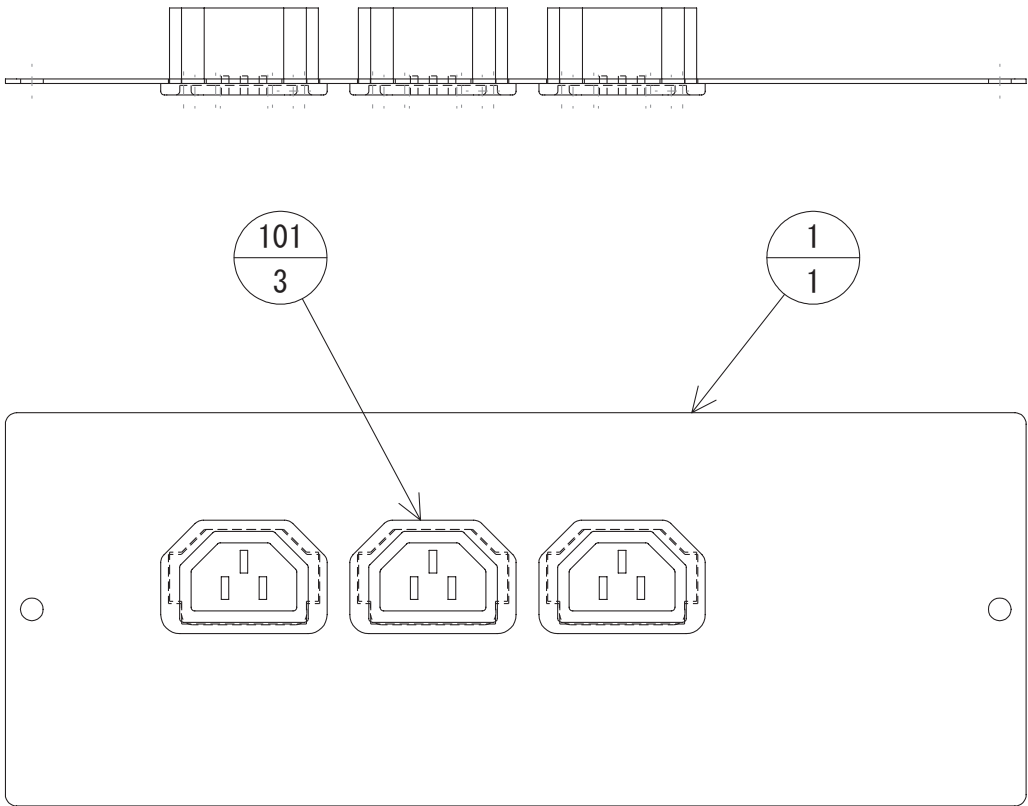
(D-1/2)



(9) ASSY LOWER CABI (D3L-1500)**(D-2/2)**

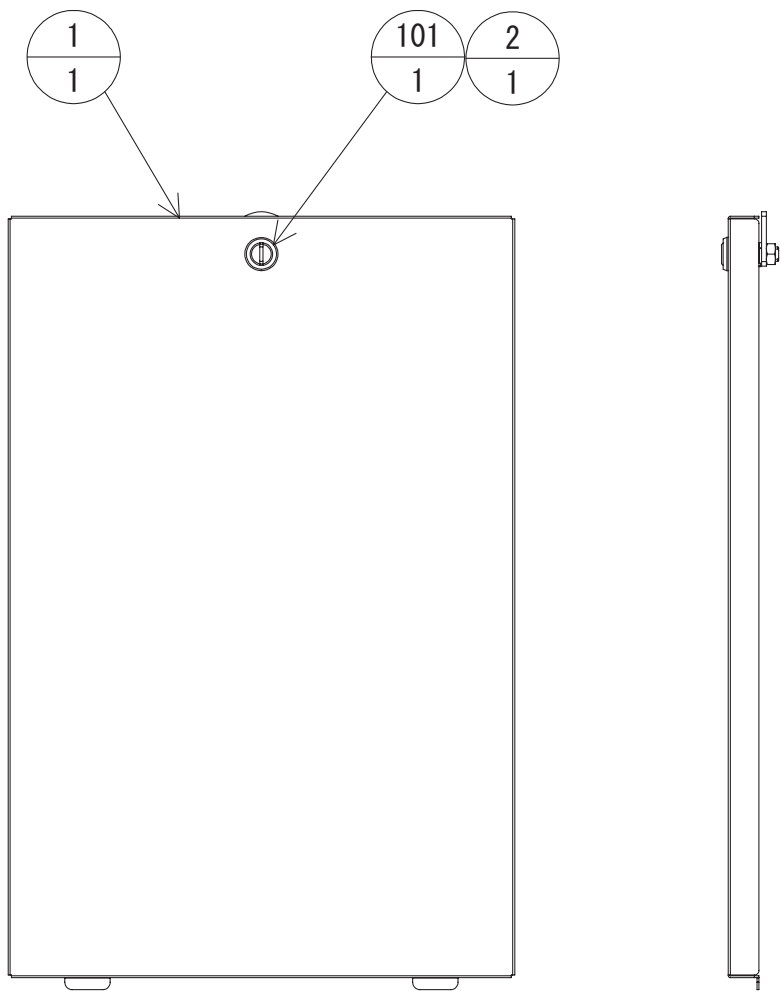
ITEM NO.	PART NO.	DESCRIPTION	NOTE
1	D3L-1501	LOWER CABI	
2	D3E-1502	CASH BOX BRKT	
3	D3L-1503	COIN CHUTE	
4	D3E-1504	STICKER PL	
5	D3E-1505	JP EXTENTION COVER	
6	D3E-1510	ASSY AC INLET PANEL	
7	D3L-1520	ASSY LOWER LID	
8	D3L-1530-01	ASSY COIN CHUTE DOOR VN-5	
9	D3E-1540-01	ASSY CASH BOX DOOR	
10	D3E-1550	ASSY CARD READER	
11	D3E-1570	ASSY COUNTER	
12	D3E-1590	ASSY STEP	
13	DL3-2000	ASSY AC PANEL	
14	D3L-4000	ASSY PC	
15	D3L-4100	ASSY POWER SUPPLY	
16	D3L-4003	STICKER PCB CONN POS EBS-S100	
17	DL3-1510	EXTENSION LID	
18	PGBKK-004000-11	CASH BOX	
19	D3L-4003	STICKER PCB CONN POS ESB-S100	
101	No.605-N	CASTER	
102	PGBAA-034800-10	LEG ADJUSTER W/O NUT	
103	DSL01-020600-10	ONETOUCH BUSH	
104	MV00003800371	AC CABLE 3P PLUG-SOCKET 7A AC125V 2000MM BLACK	
105	S6B UH 16X28X9(0930A)	FERRITE CORE	
106	TB-1926(NB-19)	BUSH D26-19-L10.5	
201	M SCR PH M4X12 P3	Pan head screw M4X12 P3 FS Washer attached	
202	M SCR FH M4X8	Countersunk screw M4X8	
203	M SCR TH M4X10 BLK	Truss head screw M4X10 Black trivalent Flange nut M4	
204	FLG NUT M4	Flange nut M4	
205	HEX SKT ELH M4X8 BLK	Very low bow cap bolt M4X8 Black trivalent	
206	UPSET BOLT M6X20 P3	Cross recessed upset bolt M6X20 P3	
207	UPSET BOLT M8X16 P3 BLK	Cross recessed upset bolt M8X16 P3 Black trivalent	
208	M SCR PH M4X8 P3	Pan head screw M4X8 P3 FS Washer attached	
301	D3E-6001	WH COIN	
302	D3L-6007	WH JUNCTION FOR COIN ACCEPTOR	
303	D3L-6001	WH AC CABLE FOR PSU	
304	D3L-6004	WH AC LINE JUNCTION	
305	D3L-6005	WH DC POWER BRIDGE	
306	DL3-6022	WH EARTH OUTLET	
307	DL3-6023	WH WITHOUT TRANCE EXT	
308	DL3-6008	WH RFID CARD RW BD POW	
309	DL3-6009	WH CARD HOLDER	
310	MV00003800710	WH DSUB RW	
311	DL3-6026	WH EARTH COIN CHUTE	

(10) ASSY AC INLET PANEL (D3E-1510)



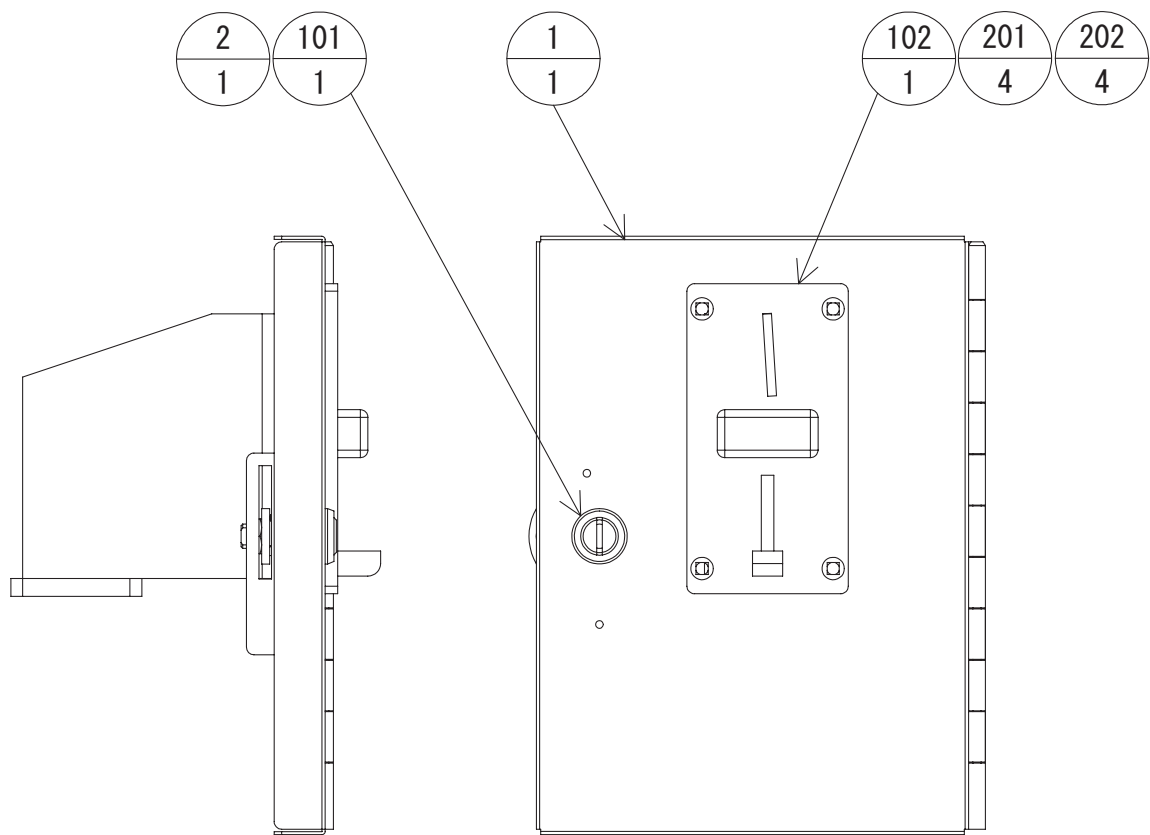
ITEM NO.	PART NO.	DESCRIPTION	NOTE
1	D3E-1511	AC INLET PANEL	
101	AC-F01FB01	AC OUTLET	

(11) ASSY LOWER LID (D3L-1520)



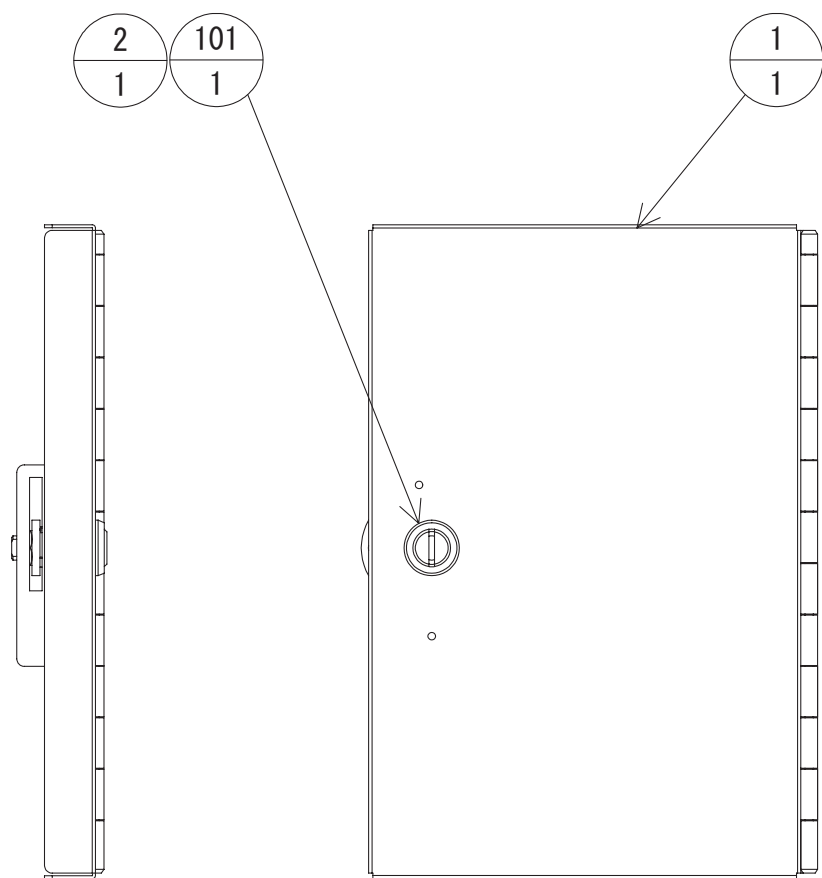
ITEM NO.	PART NO.	DESCRIPTION	NOTE
1	D3L-1521	LOWER LID	
2	D3L-1522	LKG TNG	
101	CZ8802D-01KAW0-A001	CLY LOCK MASTER W/O KEY A001	

(12) ASSY COIN CHUTE DOOR VN-5 (D3L-1530-01)



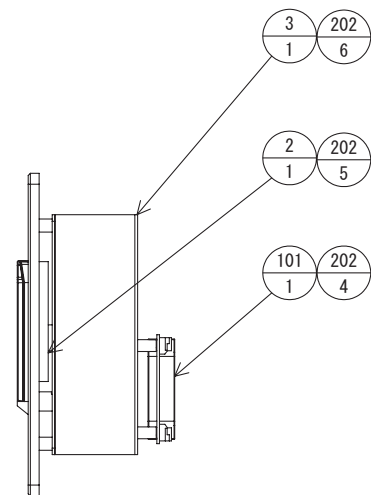
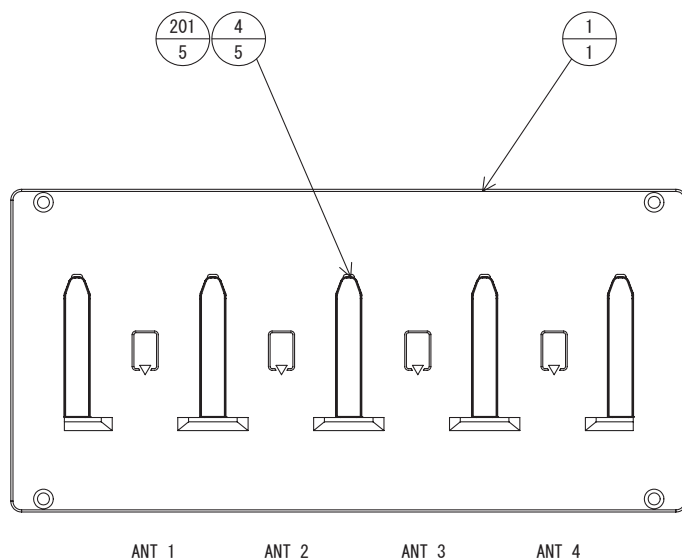
ITEM NO.	PART NO.	DESCRIPTION	NOTE
1	D3L-1531-01	COIN CHUTE DOOR VN-5	
2	D3L-1522	LKG TNG	
101	CZ8802D-01KAW0-A002	CLY LOCK MASTER W/O KEY A002	
102	VN-5	COIN ACCEPTOR VNTEC VN-5	
103	-	TL CLANP	
201	CARRIAGE BOLT M4X12	Square root silver round head bolt M4X12	
202	FLG NUT M4	Flange nut M4	

(13) ASSY CASH BOX DOOR (D3E-1540-01)



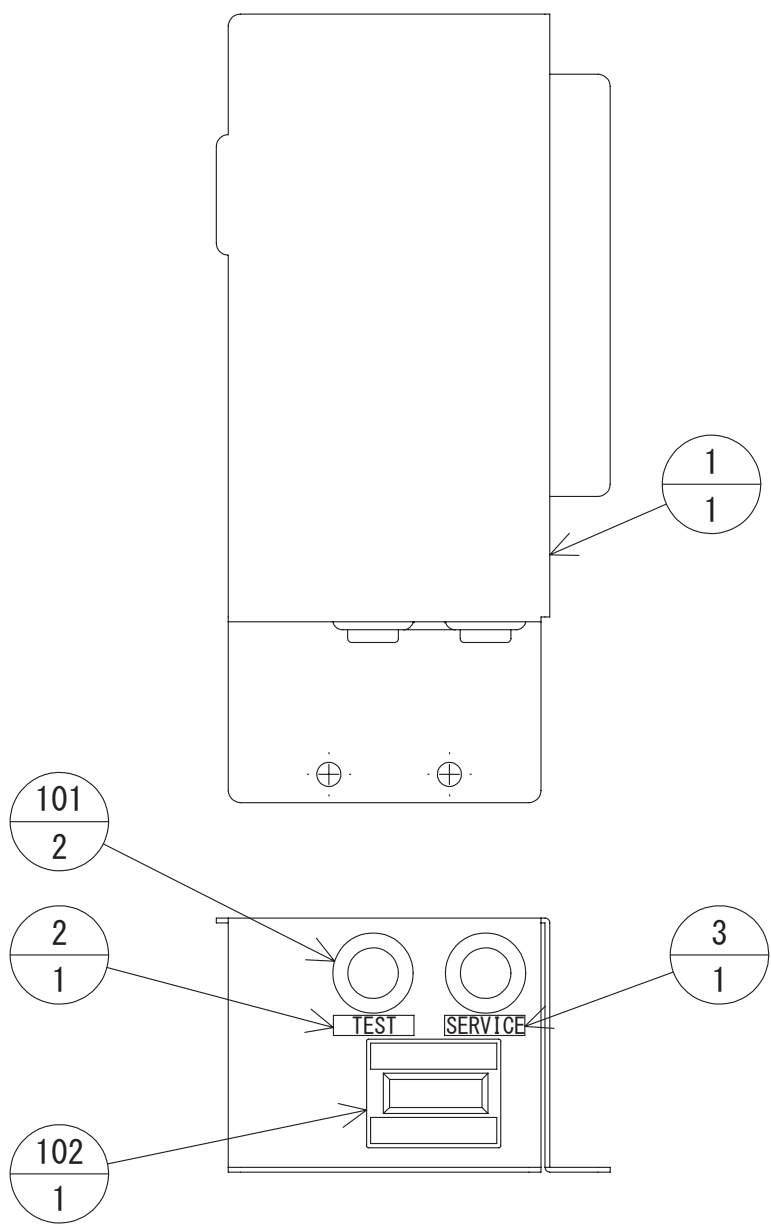
ITEM NO.	PART NO.	DESCRIPTION	NOTE
1	D3E-1541-01	CASH BOX DOOR	
2	D3L-1522	LKG TNG	
101	CZ8802D-01KDW0-C	CLY LOCK RANDOM W/O KEY C	

(14) ASSY CARD READER (D3E-1550)



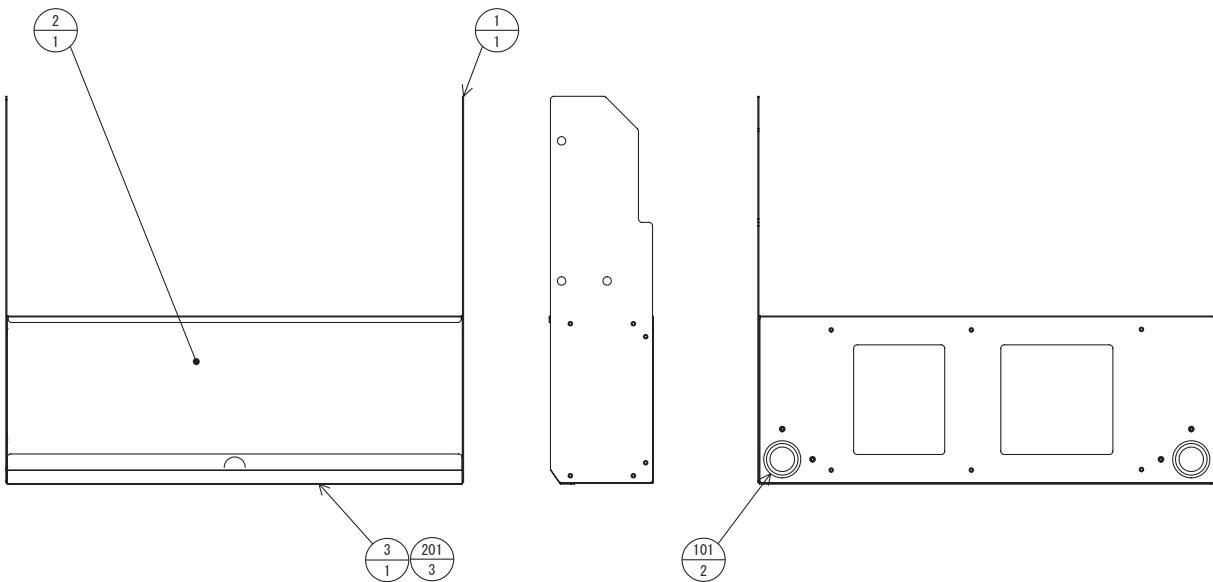
ITEM NO.	PART NO.	DESCRIPTION	NOTE
1	D3E-1551	CARD READER PANEL	
2	D3E-1552	RFID ANT HOLDER	
3	D3E-1553	CONT BD HOLDER	
4	DL3-1607	CARD GUIDE A	
101	ME-MR23M4	RFID CARD RW BD W/ANT X4 232C	
102	-	TL CLAMP 19AN	
201	TAP SCR PH 3X8	Pan head self tapping screw 3X8	
202	M SCR PH M3X8 P3	Pan head screw M3X8 P3 FS Washer attached	
301	DL3-6008	WH RFID CARD RW BD POW	
302	DL3-6029	WH DSUB RW	

(15) ASSY COUNTER (D3E-1570)



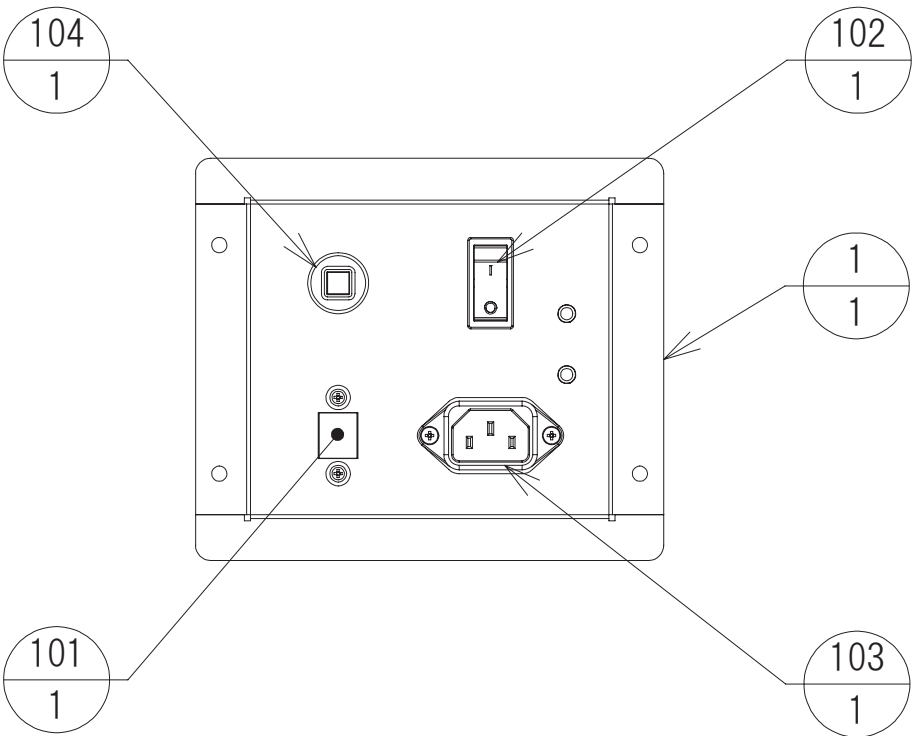
ITEM NO.	PART NO.	DESCRIPTION	NOTE
1	D3E-1571	COUNTER BRKT	
2	DL3-1752	STICKER TEST	
3	DL3-1753	STICKER SERVICE	
101	502B-2R	PUSH BUTTON SWITCH	
102	OA-126CL DC12V	COUNTER	
103	-	TL CLAMP 18S	

(16) ASSY STEP (D3E-1590)



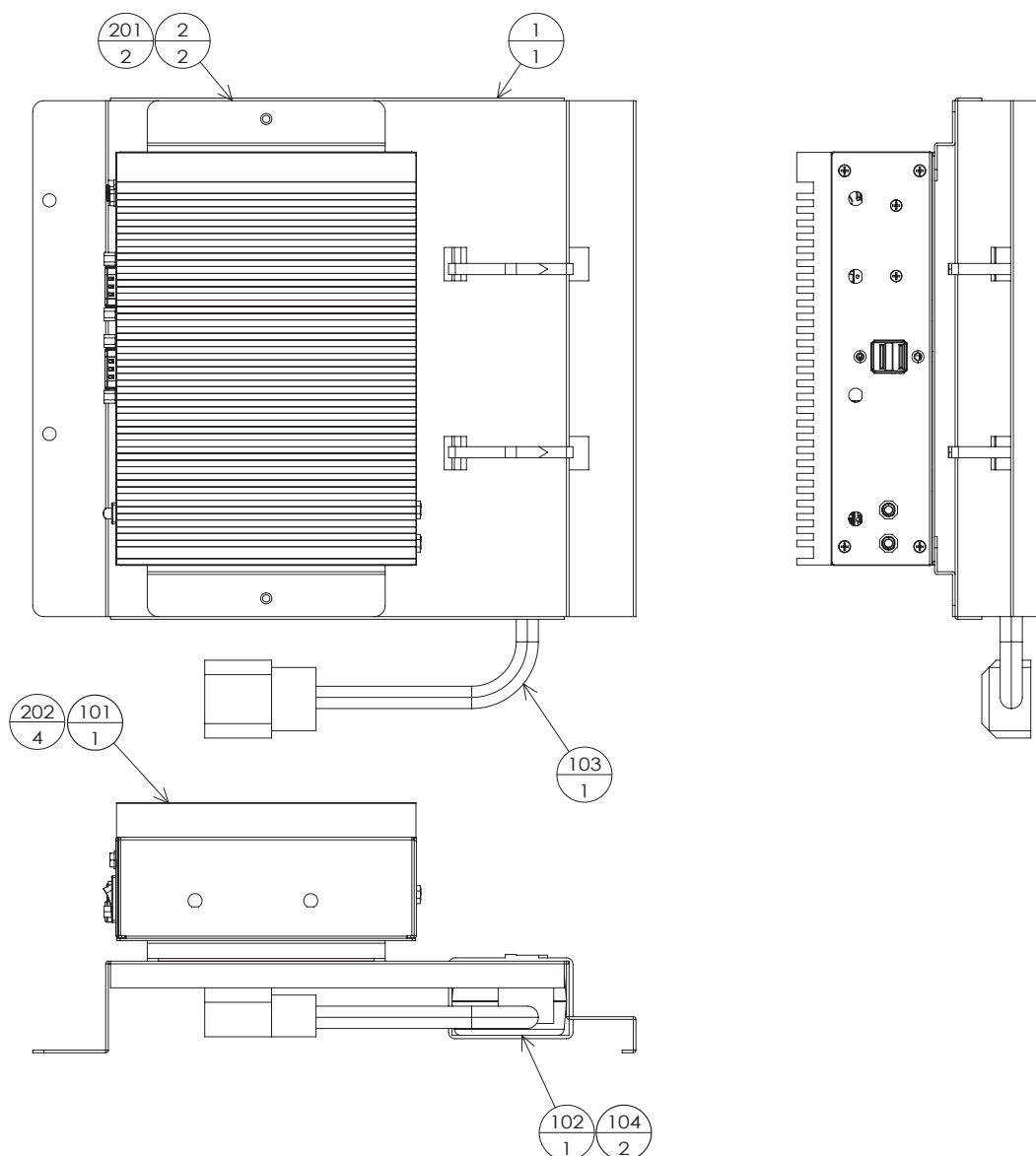
ITEM NO.	PART NO.	DESCRIPTION	NOTE
1	D3E-1591	STEP	
2	D3E-1592	STEP WOODEN BOARD W RUBBER SHEET	
3	DL2-1532	STEP COVER	
101	PGBAA-034800-10	LEG ADJUSTER W/O NUT	
201	M SCR TH M4X8 SUS	Truss head screw M4X8 Stainless steel	

(17) ASSY AC PANEL (DL3-2000)



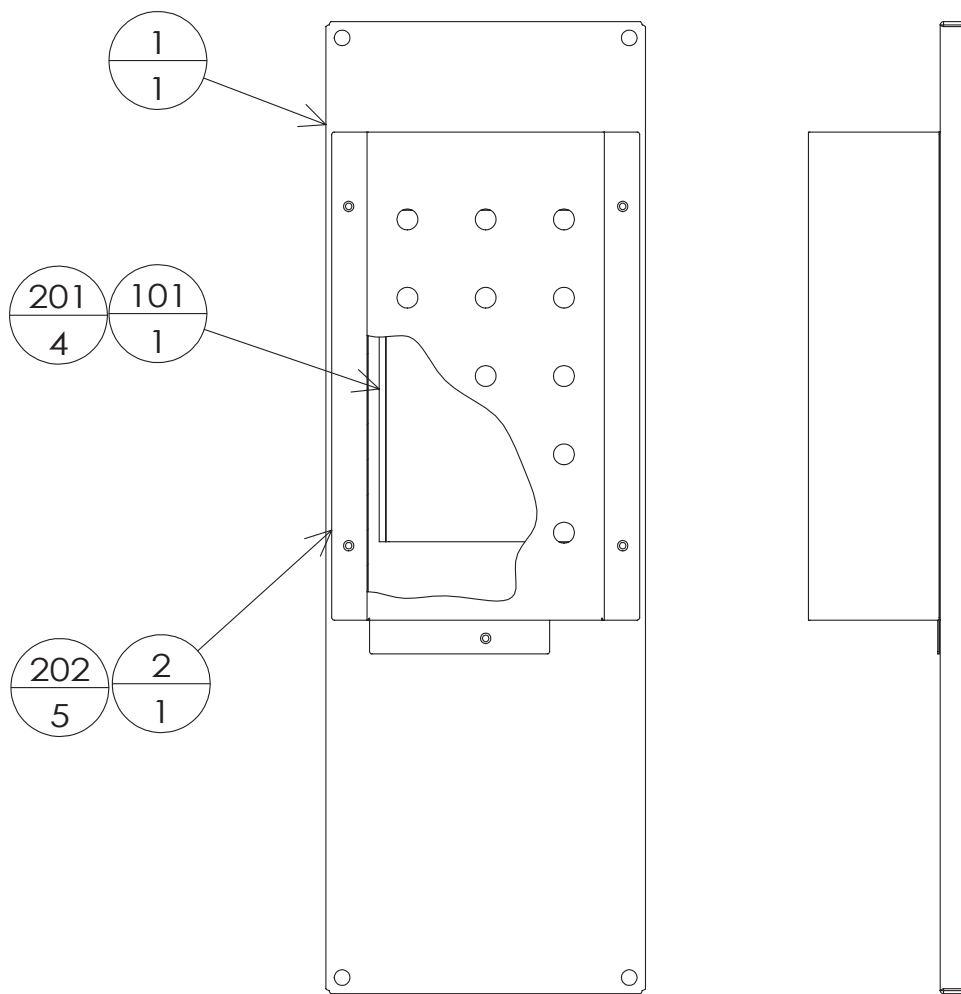
ITEM NO.	PART NO.	DESCRIPTION	NOTE
1	DL3-2001	AC UNIT BRKT	
2	DL3-2053	STICKER C.P	
3	DL3-2052	STICKER EARTH	
4	DL3-1020	CABLE TAG NETWORK	
101	AC6AMF-PL1000	PANELMOUNT LAN CABLE	
102	CF-LA-2KZ2-5C	POWER SW	
103	YB06A1-B	AC INLET	
104	T9-611P-5.0A	CIRCUIT PROTECTOR 5A	
105		CABLE TIE	
201	M SCR PH M3X8 BLK P3	Pan head screw M3X8 Black trivalent P3 FS Washer attached	
202	M SCR FH M3X8 BLK	Countersunk screw M3X8 Black trivalent	
203	FLG NUT M4	Flange nut M4	
301	DL3-6015	WH INLET L	
302	DL3-6016	WH J8 CONN	
303	DL3-6018	WH EARTH AC	
304	DL3-6021	WH EARTH OUTLET EXT	

(18) PC UNIT (D3L-4000)



ITEM NO.	PART NO.	DESCRIPTION	NOTE
1	D3L-4001	PCB BASE BRKT	
2	D3L-4002	PCB BRKT EBS-S100	
101	EBS-S100	BOX PC ASUS EBS-S100	
102	ADP-90WH KM	ADP 90W 19.5V C6 90D 5.5P B	
103	MV00005900171	AC CABLE 10A AC250V 500MM BLACK	
104		Tie belt	
105		TL CLAMP	
106	K-103G	CORD KEEP 103G	
201	M SCR PH M4X8 P3	Pan head screw M4X8 P3 FS Washer attached	
202	M SCR PH M3X8 P3	Pan head screw M3X8 P3 FS Washer attached	

(19) ASSY POWER SUPPLY (D3L-4100)



ITEM NO.	PART NO.	DESCRIPTION	NOTE
1	D3L-4101	POWER SUPPLY BASE	
2	D3L-4104	PSU COVER	
101	SUU120-201-13P	POWER SUPPLY SUU120 SINPRO	
201	UNCP6-32 5.8L	UNC screw P6-32 5.8L FS Washer attached	
202	M SCR PH M3X8 P3	Pan head screw M3X8 P3 FS Washer attached	
301	D3L-6002	WH DC OUTPUT CONNECTION	
302	D3L-6003	WH AC LINE JUNCTION	

12 Wire Color Correspondence Table

The wire colors used in the comprehensive wiring diagram in the next chapter are as follows.

CODE	WIRE COLOR
RE	RED
BL	BLUE
YE	YELLOW
GR	GREEN
WH	WHITE
OR	ORANGE
BK	BLACK
GY	GRAY
PK	PINK
SB	SKYBLUE
BR	BROWN
PU	PURPLE
LG	LIGHT GREEN

Note 1. The characters after WIRE COLOR CODE indicate the thickness of WIRE.

(16) or [16]: AWG16
(18) or [18]: AWG18
(20) or [20]: AWG20
None : AWG22
(24) or [24]: AWG24

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13



For general inquiries:

DARTSLIVE Support Desk

<https://www.dartslive.com>

* Please note that this support desk is not accepting inquiries regarding the machine and the parts.

Please contact the retailer for such inquiries.

For basic troubleshooting, go to the following "Product Support Page".



<http://www.dartslive.jp/info/support/eng/index.html>

For remarks for the radio equipment directive in each country or region, go to "Product R.E.D. Remark Page".



<https://dartslive-product-support.helpscoutdocs.com/article/100-product-r-e-d-remark-page>

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