About this user manual

This User Manual describes how to install, set up, use and maintain this product. The purpose is to instruct machine operators and maintenance personnel to use this product correctly and safely. Please follow all safety and warning indications to prevent people from harm or machine from damage.

People who are not trained technicians shall not repair this product personally. Technicians are defined as people who obtained diploma from high schools or schools above junior high in the subjects of mechanical engineering, electrical engineering, or schooling of the equivalent level and have game machine maintenance, management, and servicing as their daily work.

Please carefully store this user manual at where it can be easily accessed and read. In addition, Operators who assign others to transport, move, install, repair and maintain this machine shall read the relevant content in this manual in advance and instruct the assigned personnel to carry out the work as suggested in the manual.

Disclaimer

IGS makes no warranty, expressed or implied, including but not limited to any implied warranties of the correctness and completeness of this document. IGS also makes no warranty to any merchantability or fitness for a particular purpose. IGS reserves the right to revise and improve this manual as it sees fit. Information in this document is subject to change without notice.

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Safety Precautions

CAUTION

General

- Without the permission from our designated personnel, do not dissemble, change or remodel our products.
- Be sure to operate this product according to the instructions of this manual. Any inappropriate operation would damage this product and threaten the personal safety of players as well as onlookers.
- Routinely check, maintain and repair this product.
- Keep each warning label on this product clean in order to make sure the descriptions are readable. If the filthiness on the label could not be got rid of or descriptions are indistinct, immediately replace the labels.

WARNING

Installation location

- This cabinet is designed for indoor use, and do not place it outdoors or the following locations:
  - Places under direct sunlight, are leaking, moist or of high temperature.
  - Places near flammable, highly volatile or dangerous objects.
  - Places where the surface is tilted, unstable or frequently shaking.
  - Places around emergency exits, fire extinguishers or any other extinguishing equipment.
- The vent located in the bottom of this product is for the cabinet and monitor to emit warm air, and do not place any item close to the vent, or malfunction might occur.
- A distance of 30 cm or more should be kept between the cabinet and walls, another cabinet or the hallway.

WARNING

Power

- Before plugging in the cabinet, first make sure the voltage is 110V or 220V, or fires and electric shocks might occur.
- When plugging in the cabinet, use an earthing socket.
- Do not expose electrical cords and earthing wires on the hallway, or damage, electric shocks and short circuit might occur.
- Do not place flammable items near electrical cords to avoid fires.
- If electrical cords are damaged, replace new ones with your local distributor.
- Do not use fuses and parts other than those designated by IGS.
- To avoid electric shocks or short circuits:
  - Before repair or maintenance, power must be turned off.
  - Do not touch plugs with wet hands.

- Do not immediately unplug or plug in the cabinet.
- When unplugging the electric cord, tightly hold the plug and avoid pulling the electric cord.

Transportation

- When transporting this product with a forklift, make sure to exert the force point to avoid accidents or damages to the cabinet.
- When moving this product with a vehicle, make sure to fasten the caster rather than the leg leveler, or damages might be brought to the cabinet.
- The LCD monitor of the cabinet is rather fragile, and should avoid severe shaking or being hit by outer forces.

Moving

- Before moving the cabinet, first unplug it to avoid accidents.
- When moving the cabinet, pay attention to the obstacles ahead and check if the surface of the ground is flat to avoid accidents and damages to the cabinet.
- When moving the cabinet, at least two personnel should work together to avoid accidents.

During a game

- To prevent customers from being injured or encountering accidents, people in the following categories should avoid using this product:
  - People with unsatisfactory health conditions such as patients of hypertension or heart disease.
  - People with injuries or are physically disabled.
  - People wearing slippery shoes or high heels.
  - People who are unable to step on the pedal when sitting.
  - People who are pregnant, drunk or would easily feel dizzy.
- Each motorcycle is designed for one person, and two or more people are prohibited from sitting together.
- If customers feel uncomfortable during their play, remind them to pause or discontinue their play.
- Remind customers to carefully read the warning labels as well as other reminding descriptions, and operate according to instructions to avoid electric shocks or short circuits, etc.

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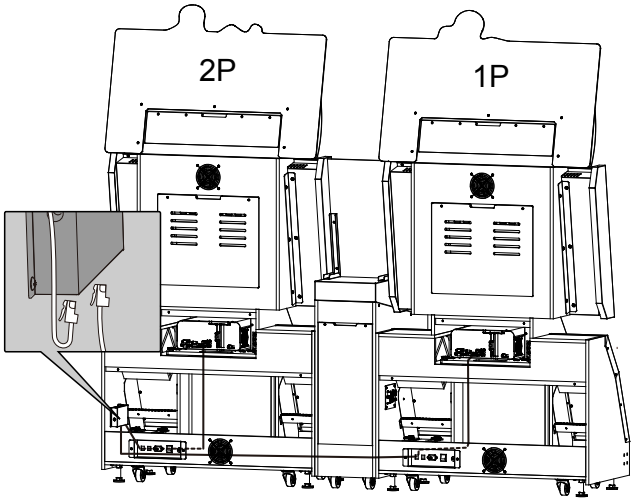
1. Quick installation

1 Connection and power

a Connection

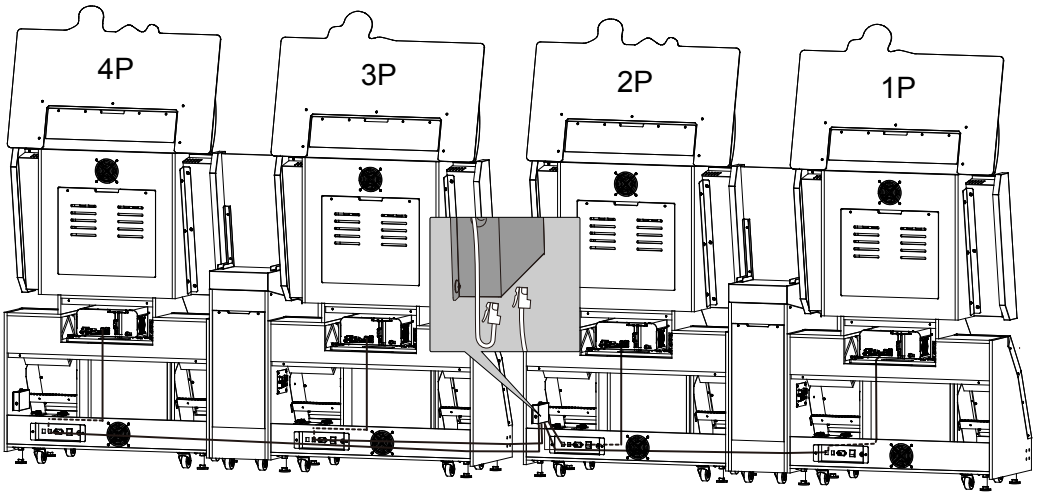
Setting up 2 cabinets

1. Remove the screws on the maintenance door in the back of the cabinet, and use a key to open the door.
2. Plug in the included Internet wire to the port of the second cabinet (viewed from the back).



Setting up 4 cabinets

1. Remove the screws on the maintenance door in the back of the cabinet, and use a key to open the door.
2. Plug in the included Internet wire to the port of the second cabinet (viewed from the back).



b Plugging in the wire

Plug in one side of the wire to the port labeled as [AC power socket] in the back of the cabinet, and plug in the other side to the socket.

C Turn on the power

Turn the switch to I and launch the cabinet.

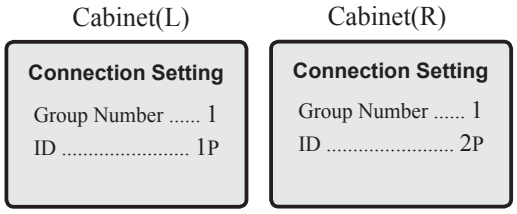
2 Basic settings

Open the coin box under the standby mode, and press the [TEST] button to enter [Main Menu].

a Set up the group number and ID of the cabinet

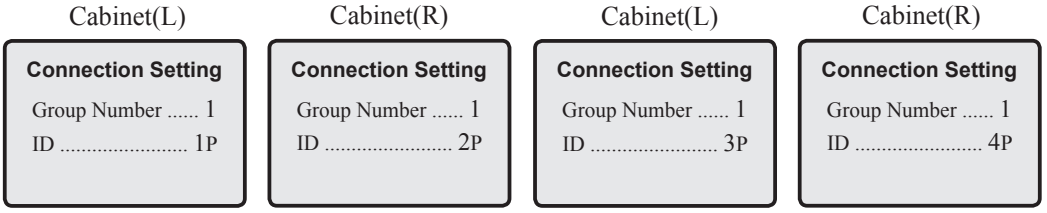
Enter [Main Menu] > [System Settings] > [Connection Settings], and appoint all cabinets in connection into the same group, but provide each cabinet a different ID.

Example of connecting 2 cabinets (viewed from the front of the cabinet):



Please setup the connection here.

Example of connecting 4 cabinets (viewed from the front of the cabinet):



Please setup the connection here. Please setup the connection here.

b Coin Rate Settings

Enter [Main Menu] > [Game Settings] > [Coin Rate Settings], and start to set the number of coins to be inserted for starting and continuing the game.

C Setting other related items (recommended)

- Enter [Main Menu] > [System Settings] > [Time Settings], and set the cabinets to be connected to be the same time.
- Enter [Main Menu] > [Game Settings] to set up the location and name of the store.
- Enter [Main Menu] > [Game Settings] > [Sound Settings] to set up [Demo Volume] and [Game Volume].

3 VR Adjustments

Enter [Main Menu] > [Game Settings] > [VR Adjustments] to run automatic adjustment.

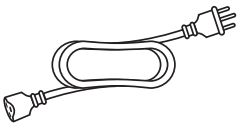
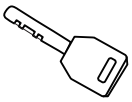
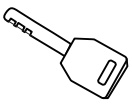
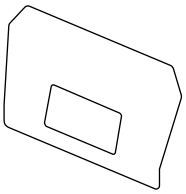
- When the cursor is pointing to [Base parameters adjustments], press S to run the automatic adjustment of the intermediary value of the motorcycle, the minimum value of the throttle and brake.
- Then manually set up the maximum value of full acceleration, brake and leaning the motorcycle to the left/right end.

4 Completed

2. Introduction of the Cabinet

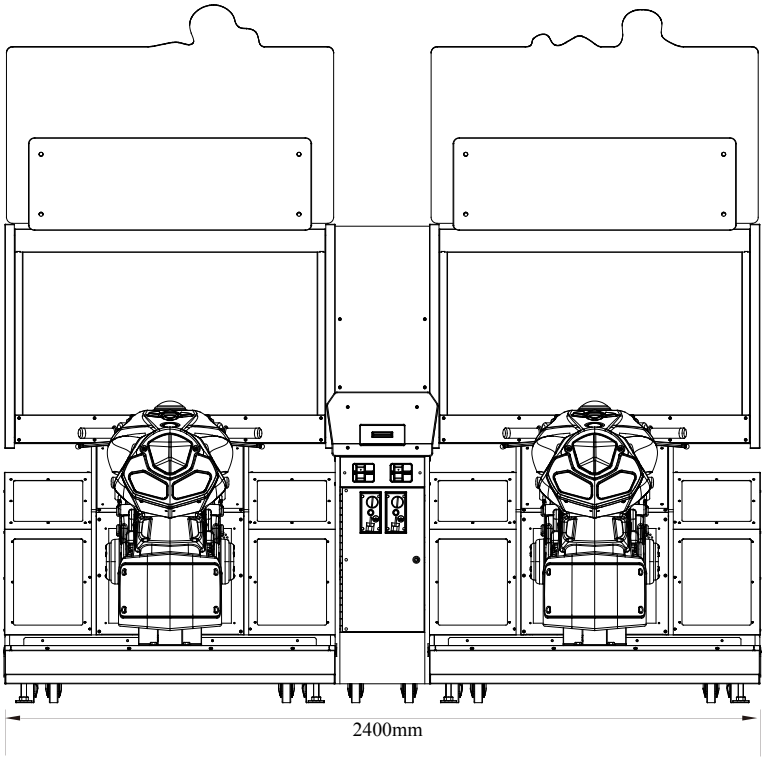
2.1 List of the accessories

After your purchase of this product, check if the following parts are all included. If any part is missing or damaged, contact your local distributor.

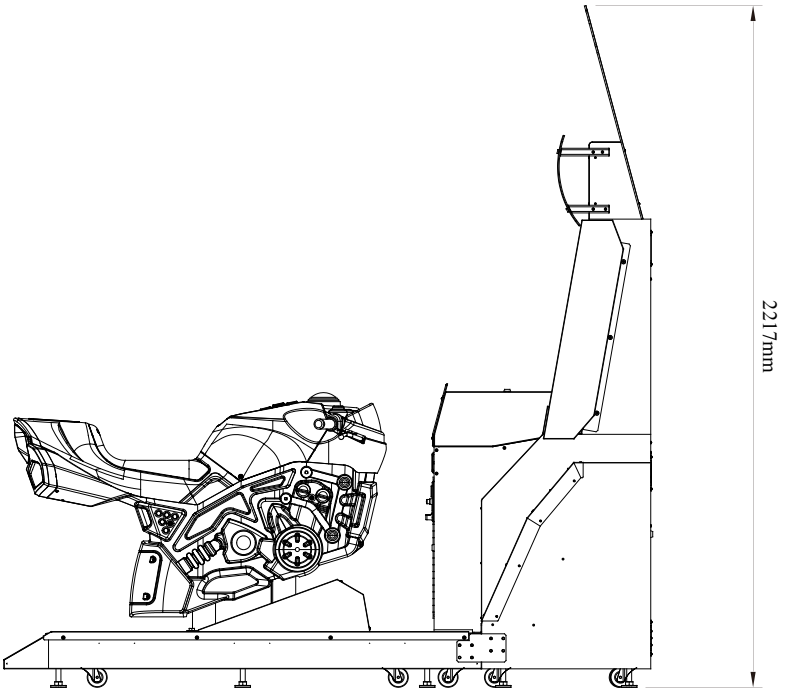
Accessories	Picture	Quantity	checking column
AC cord		2	
Interent wire		1	
Operator's manual		1	
Controlling panel key		1	
Coin slot key		1	
SR 2 card		(Additional purchase)	
Cash box acrylic		1	

2.2 An overview of the cabinet

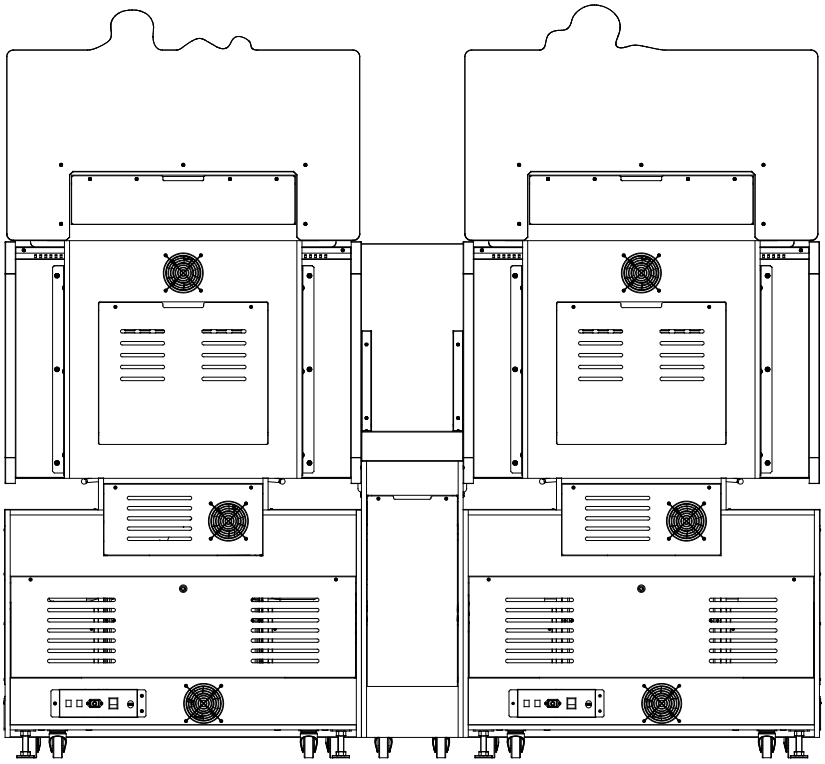
■ Viewed from the front



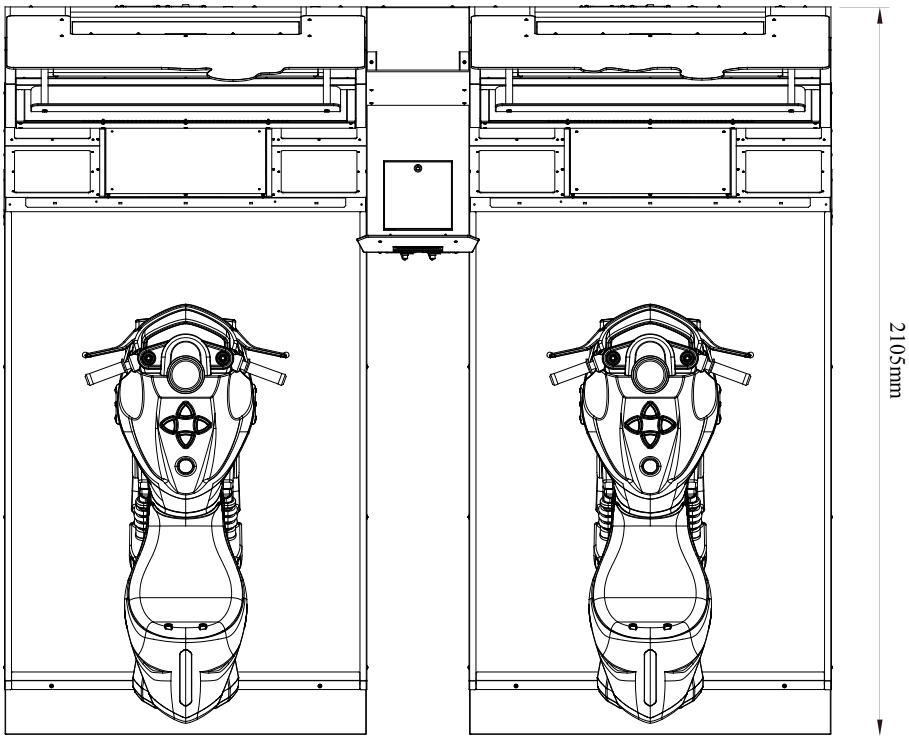
■ Viewed from the side



■ Viewed from the back

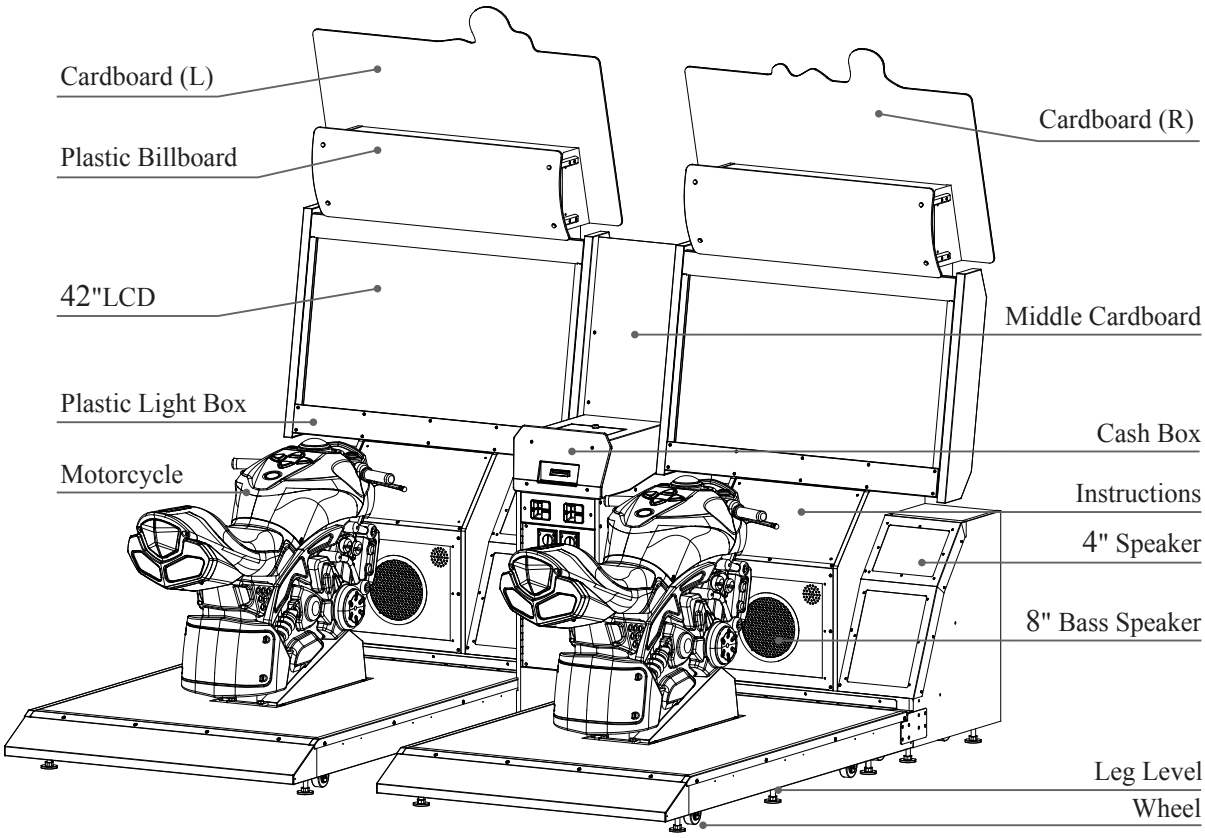


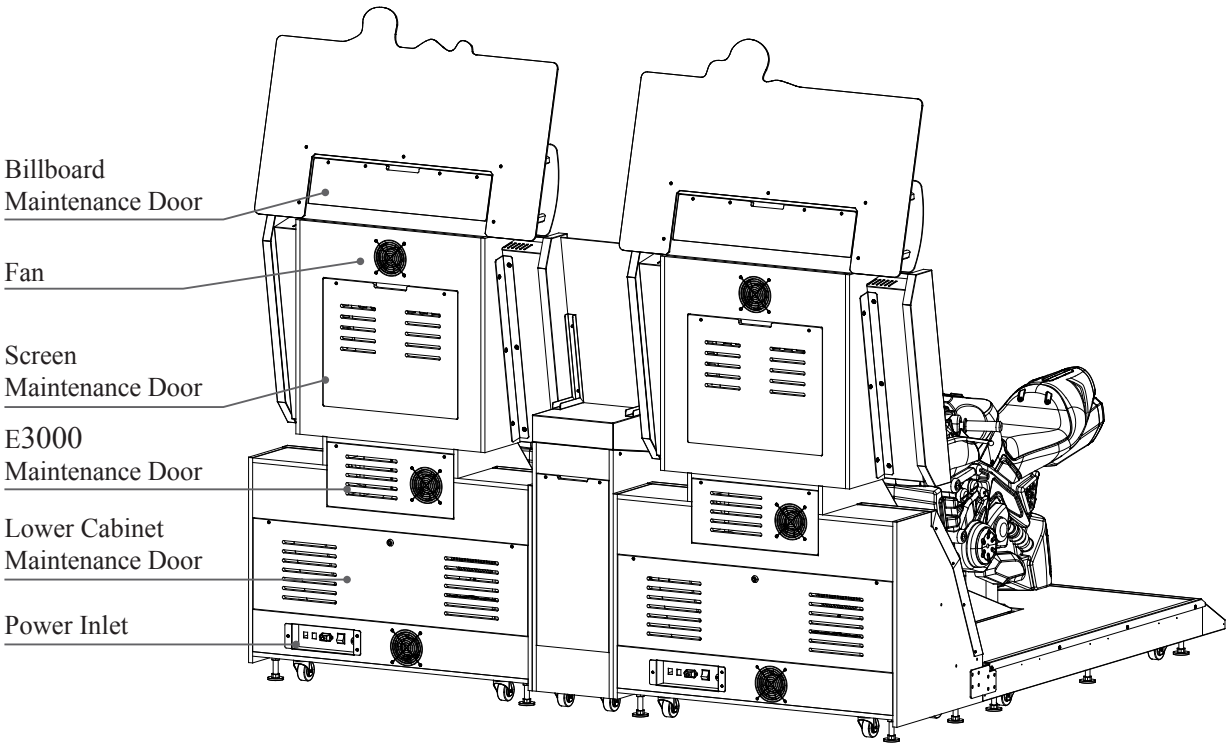
■ Viewed from the top



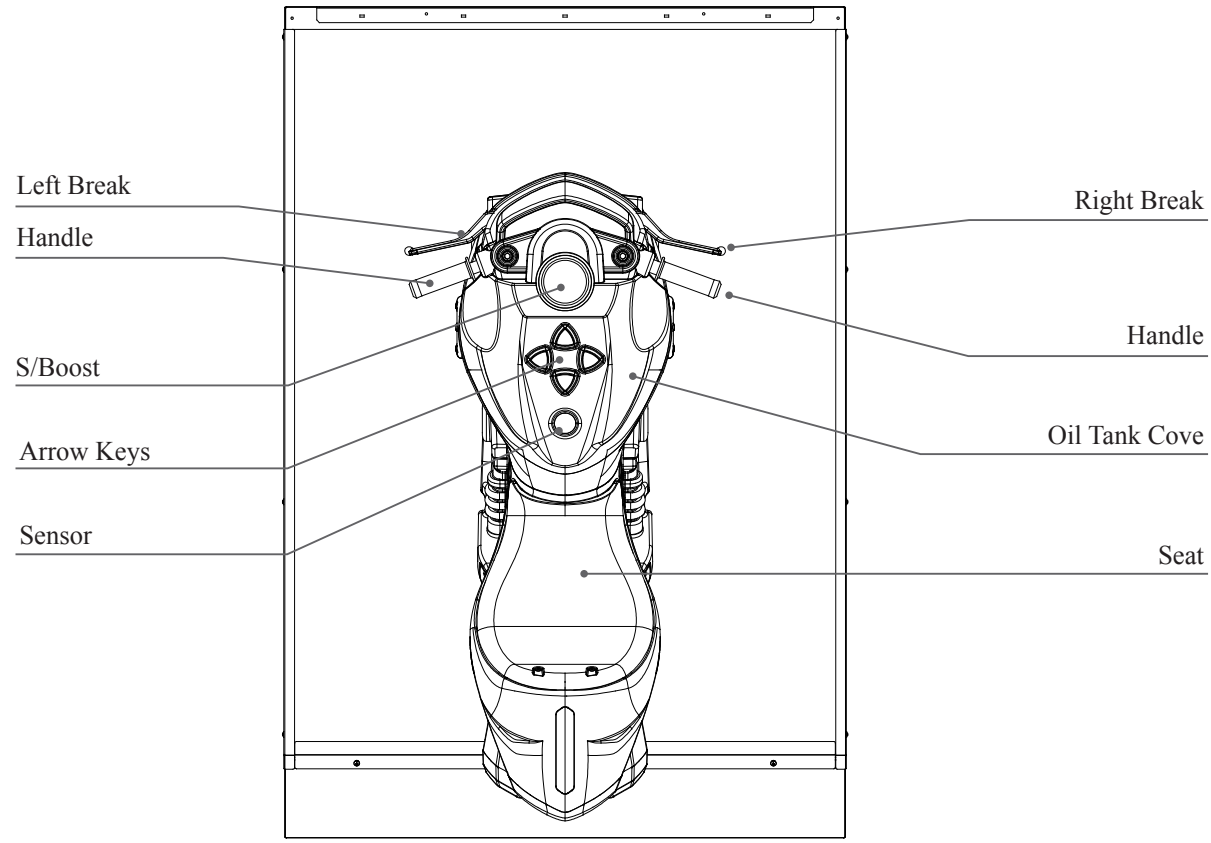
2.3 Name of the parts

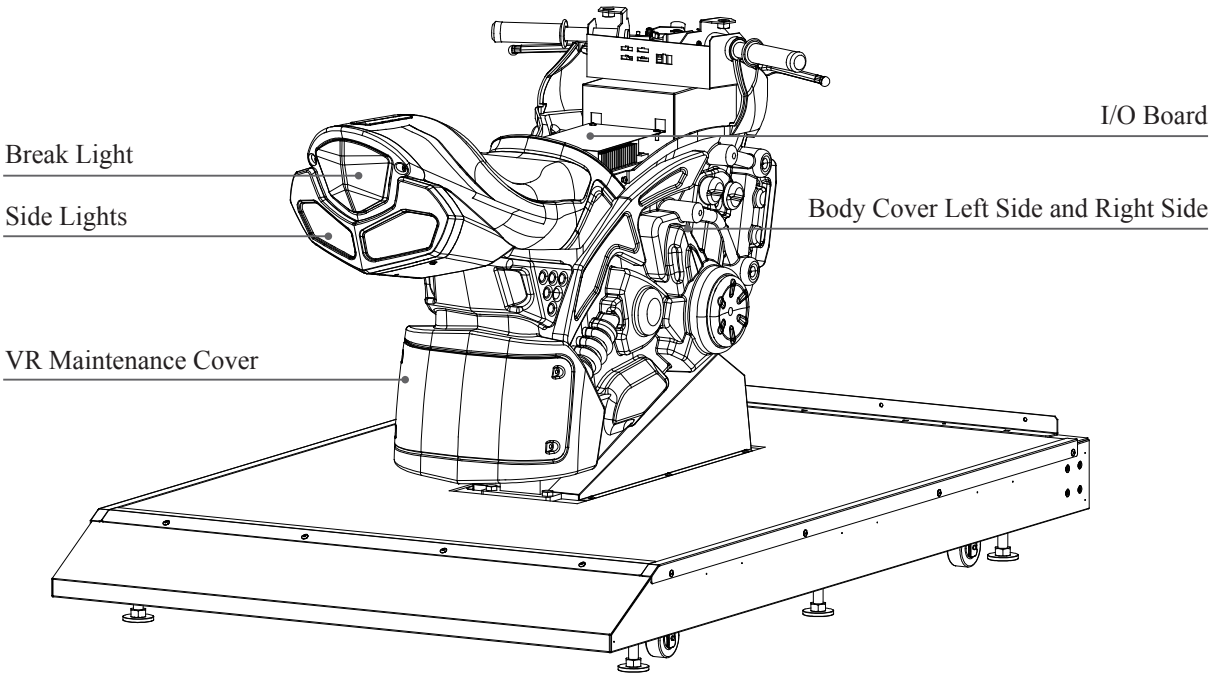
■ Name of the exterior cabinet



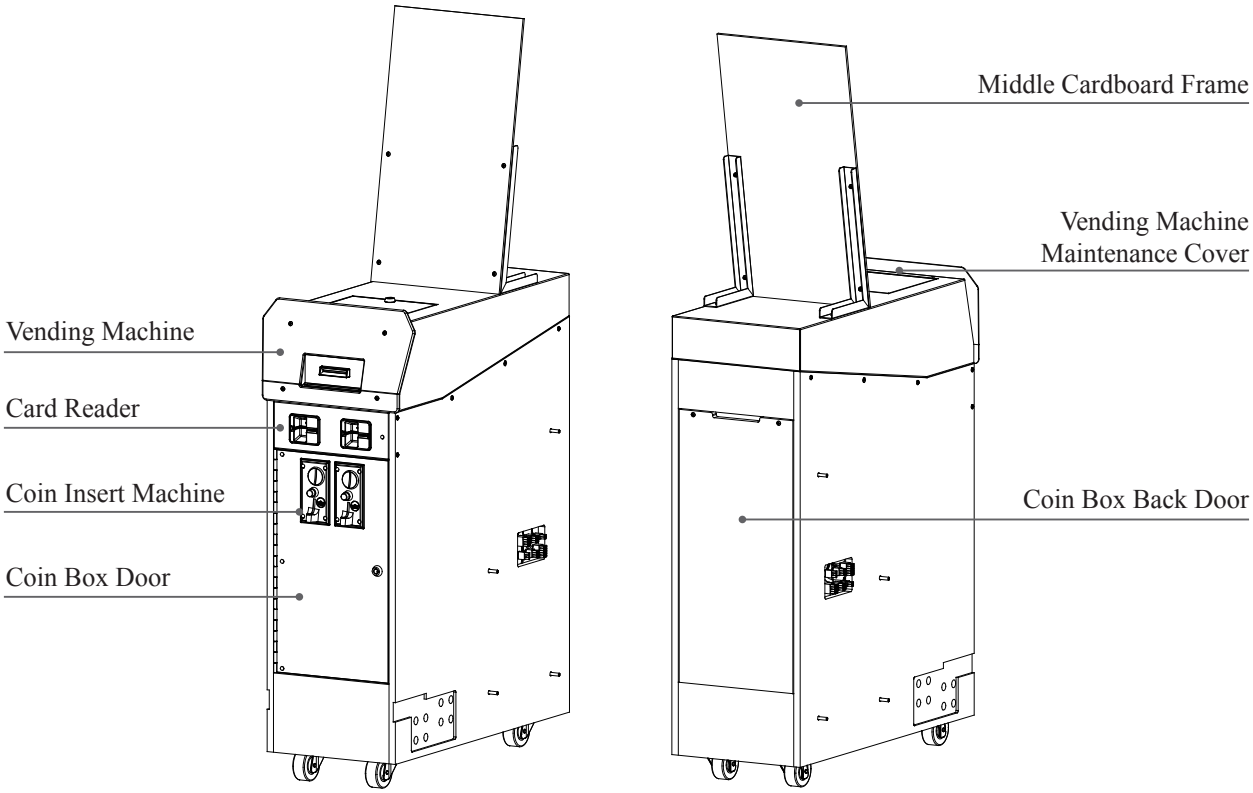


■ Name of the exterior motorcycle

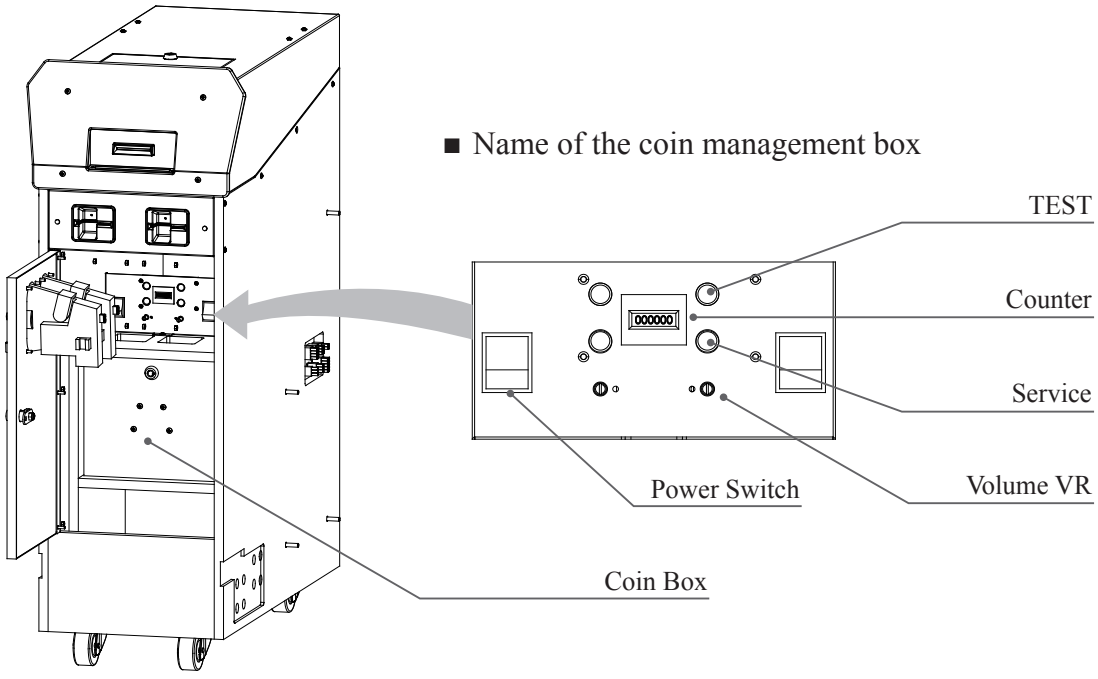




■ Name of the exterior coin box

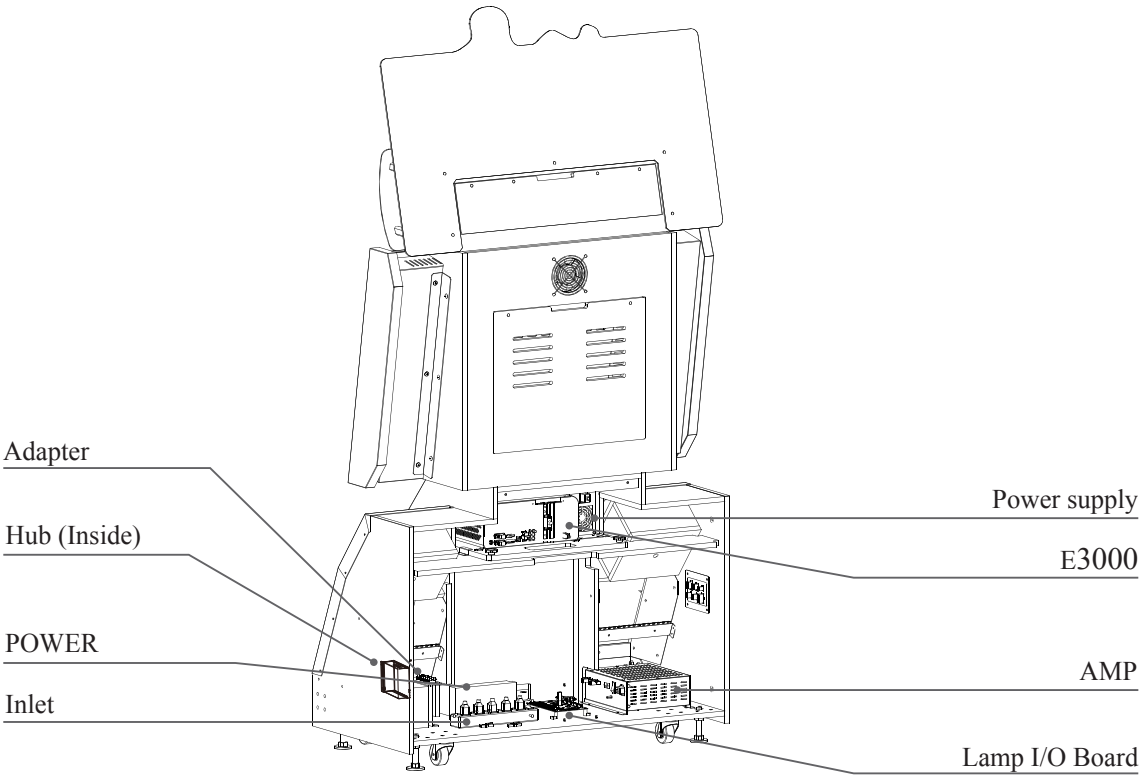


■ Name of the interior coin box



■ Name of the coin management box

■ Name of the interior cabinet



2.4 Specification of the cabinet

Category	Items	Specification
Concrete item	Size of the cabinet	2400(W)mm x 2105(D)mm x 2217(H)mm
Power	Power	AC220V (50Hz) / AC110V (60Hz)
	Total Power	cabinet 900W
Main cabinet	Cabinet	E3000, AC220V
	Power amplifier	AMP set of full range, 100W, AC220V
Buttons and control	Oil tank of the motorcycle	Buttons: UP, DOWN, LEFT, RIGHT, S/BOOST, and the sensor
	Vehicle body	Left brake, right brake, throttle, and leaning control to the left and right side
	Coin box	Coin slot, counter, test, services, and the volume
Lights	Oil tank of the motorcycle	Buttons (UP, DOWN, LEFT, RIGHT, and S/BOOST)
	The rear light of the motorcycle	Brake light x1, side light x2, underneath light x2
	Main part	Flash light x3, bass light x4
	Billboard	Billboard light x4
	Sensor	Sensor light x1
Fan	Power	AC220V (50Hz)
Card reader	Interface	USB interface
	Cards	IC game chip card
Internet	Standard	IEEE 802.3 (10BASE-T)，IEEE 802.3u (100BASE-TX)
	Transfer rate	10/100 Mbps
	Maximum number of connected cabinets	4
Screen	Type	LCD
	Size	42 inches (16:9)
	Power	AC110V - AC220V (50Hz/60HZ)
Loudspeaker	Size/Resistance/Power	Mid to high（on both sides of the screen）: 4inches, 4 Ohm / 25W Bass (in the bottom of the screen): 8inches, 4 Ohm / 100W
Environment	Operating temperature	0-40° C
	Storing temperature	-10~80° C
	Relative moisture	< 85% none coagulation status

3. Installation and Connection

3.1 Transporting or moving the cabinet

After your purchase of this product, first move the cabinet to the location for installation, and then connect the wires. When you transport, move and choose where to install, make sure the following guidelines are followed.

Reminders for transporting

- When transporting this product with a forklift, make sure you exert the point of application to avoid accidents or damages to the cabinets.
- When transporting this product with vehicles, fasten the casters, but do not use a leg leveler as to avoid damages to the cabinets.
- The LCD monitor of the cabinet is fragile, so avoid fierce vibrations or being hit by strong forces.

Reminders for moving

- Before moving the machine, please remove the plug so as to prevent Before moving the cabinet, unplug the electric cord to avoid accidents.
- When moving this product, be aware of the obstacles and the surface of the ground to avoid accidents and damages to the cabinet.
- When moving this product, at least two personnel should work together so as to avoid accidents or injuries.

Reminders for installation

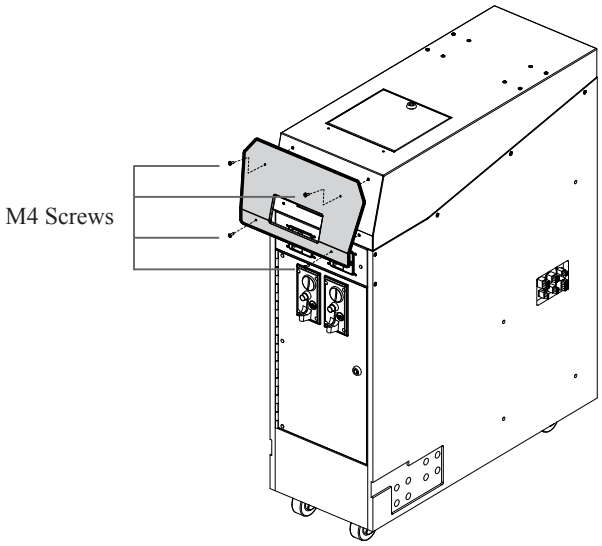
- This product should be placed indoors. Do not place it outdoors, or the following locations:
  - Places under direct sunlight, are leaking, damp and of high temperature.
  - Around inflammable, volatile and dangerous objects .
  - Places with uneven, unstable surface or frequent vibration.
  - Around the exit or public facilities such as fire extinguisher.
- The vent located in the bottom of this product is for the cabinet and monitor to emit warm air, and do not place any item close to the vent, or malfunction might occur.
- The cabinet should stay away from the walls, other cabinets and passageway for at least 30 cm.

3.2 Cash box acrylic installation method

Before delivery, acrylic and screws packed separately, and placed on the left side gap of the coin box.

●Installation method

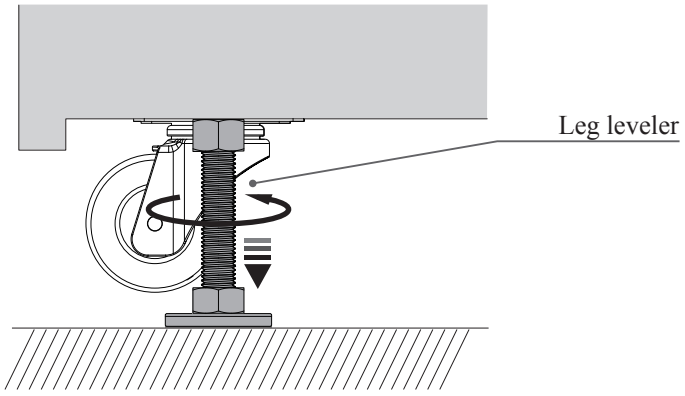
With 4 M4 screws and fasten acrylic on the cash box.



3.3 Fastening the cabinet

Fasten the cabinet with the leg leveler:

Counterclockwise turn the leg leveler till a distance of at least 5mm is kept between the caster and the floor.

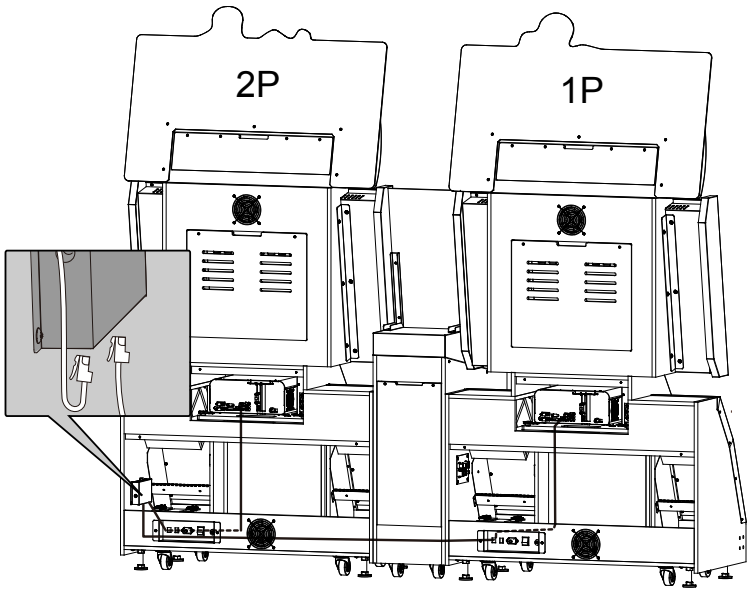


3.4 Connection and Power

❶ Prepare Internet wires depending on the number of cabinets to be connected.

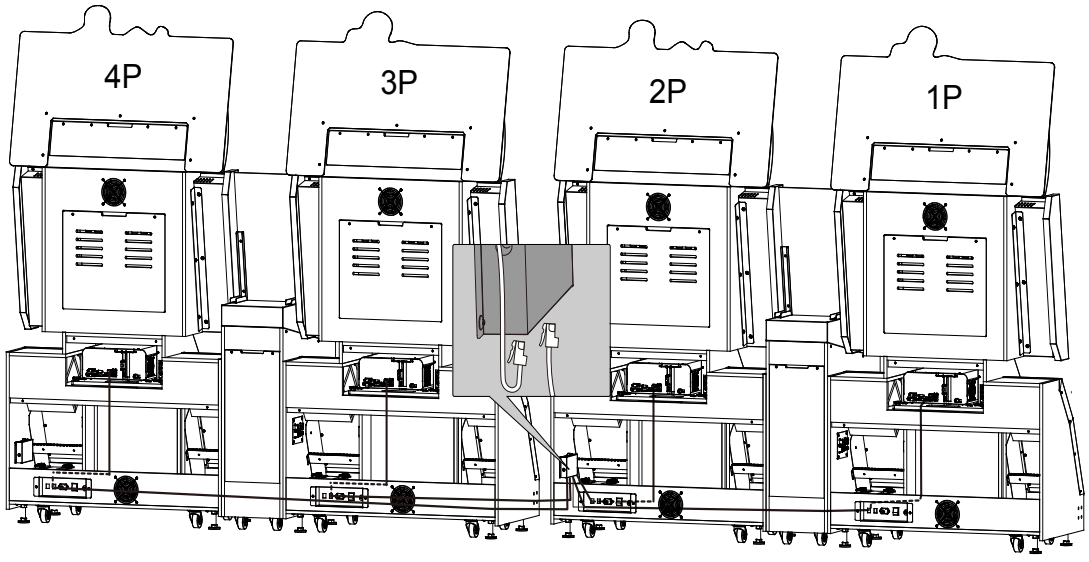
■ Connecting 2 cabinets

- Remove the screws on the maintenance door, and use a key to open the door located in the back of the cabinet.
- Then plug in the included internet wire to the port of the second cabinet (viewed from the back).



■ Connecting 4 cabinets

- Remove the screws on the maintenance door, and use a key to open the door located in the back of the cabinet.
- Then plug in the included internet wire to the port of the second cabinet (viewed from the back).



❷ Plug in one side of the included AC cord to the socket where a label of [AC power socket] is placed, and plug in the other side to the fused socket.

❸ Press the switch on the back of this product to I, and launch the cabinet.

WARNING

Reminders for plugging in

- Before plugging in the cabinet, make sure the voltage is 110V or 220V, or fires and electric shocks might occur.
- Before plugging in the cabinet, use an earthing socket.
- After power is turned off, wait for at least 3 seconds to restart the cabinet in order to avoid damages to electric parts.
- Do not touch the wires with wet hands to avoid electric shocks.
- Carefully place electric wires to prevent them from being stepped on or pressed by heavy items.
- Before engaging in maintenance or repair, make sure the power is turned off.

3.5 Setting the group number and ID of the cabinets

In order to launch a multi-player game (a maximum of 4 cabinets is allowed), you must assign the cabinets into the same group but different ID. If four cabinets are connected, then appoint their ID as 1P, 2P, 3P, and 4P.

❶ Under the standby mode, open the coin box, and press the [TEST] button to enter [Main Menu].

❷ Enter [System Settings] > [connection settings].

❸ Assign the cabinets into the same group but different ID.

■ Example of connecting 2 cabinets (viewed from the front of the cabinet):

Cabinet(L)	Cabinet(R)
Connection Setting Group Number ..... 1 ID 1P	**Connection Setting** Group Number ..... 1 ID 2P

Please setup the connection here.

■ Example of connecting 4 cabinets (viewed from the front of the cabinet):

Cabinet(L)	Cabinet(R)	Cabinet(L)	Cabinet(R)
Connection Setting Group Number ..... 1 ID 1P	**Connection Setting** Group Number ..... 1 ID 2P	**Connection Setting** Group Number ..... 1 ID 3P	**Connection Setting** Group Number ..... 1 ID 4P

Please setup the connection here. Please setup the connection here.

■ Checking connection setup

After completing all settings, the screen should display cabinets to be connected, such as [1P 2P 3P 4P Online]. For further connection testing, open the coin box, and press the [TEST] button to enter [Main Menu], then enter [Hardware Test] > [Connection Test] to test whether the connection is normal or not. For detailed instructions, refer to <5.3.1 Connection Test>.

4. Instructions of the game

<SPEED RIDER 2> is a new kind of racing game, which features instinctive sensor function such as bending and left/right leaning for players to experience real riding scenario. Players can also use the BOOST acceleration system to experience the delight in extreme speeding. In addition to the indispensible vehicle remolding system, this racing game also consists of abundant character costume system to provide a variety of race experiences and visual effects.

4.1 Distinctive play method

- Four game modes
  - Multi-player game: A maximum of 4 players is allowed
  - Story mode: To experience the plot of original stories, and connection is not required
  - Time attack: To compete a single player's best record with other players
  - Survival: To compete one" s best race time with other players

- Arcade-style, instinctive sensor operations including left/right leaning and bending
- The BOOST system enhances instant speeding
- The motion sensor is to simulate the bending position to experience the delight in speeding with less wind resistance
- Use SR2 chipping card to store [Racer Data] and [Garage] to remodel vehicles
- Press the brake to simulate slipping, raising the front wheel, provoking others and any other stunt performance.
- The simulation system and changes of road conditions make the game more challenging
- Various remodeling vehicles and characters for selection

- Oriental scenes including Mt. White, Shanghai, Beijing and Hong Kong, etc.

4.2 Playing the game

Except the basic controls such as acceleration and the brake, other controls are as follows:

1 Press the Ⓢ button for the BOOST.

2 Leaning the motorcycle to the left and right end can make turns.

3 The bending position can decrease wind resistance and increase the acceleration speed (as shown below).

4 When the game is in process, press the [↓] button to switch view

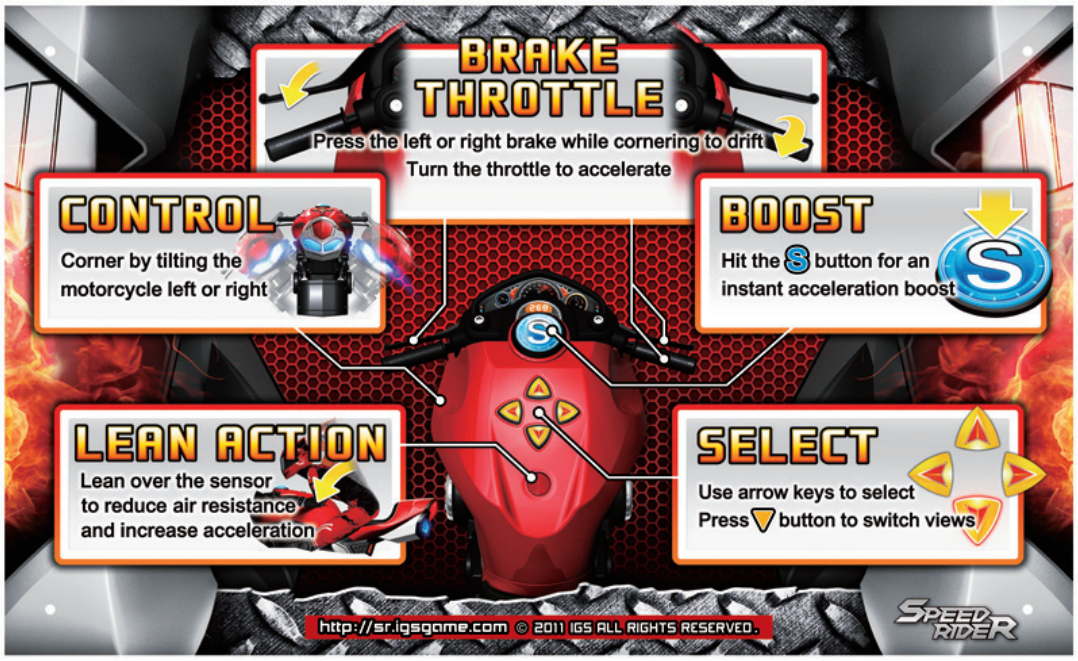
5 When turning, press brakes can do drifting. For big turns, press the right brake, and for small turns, press the left brake.

6 To instantly throttle, players can imitate the way to raise the front wheel of real motorcycles.

7 When the game is in process (under [story mode], [time attack] and [survival]), press [up], [down], [left], [right] and [brake] at the same time to stop the game.

This function does not work under [multi-player game].

■ Instructions of the control buttons

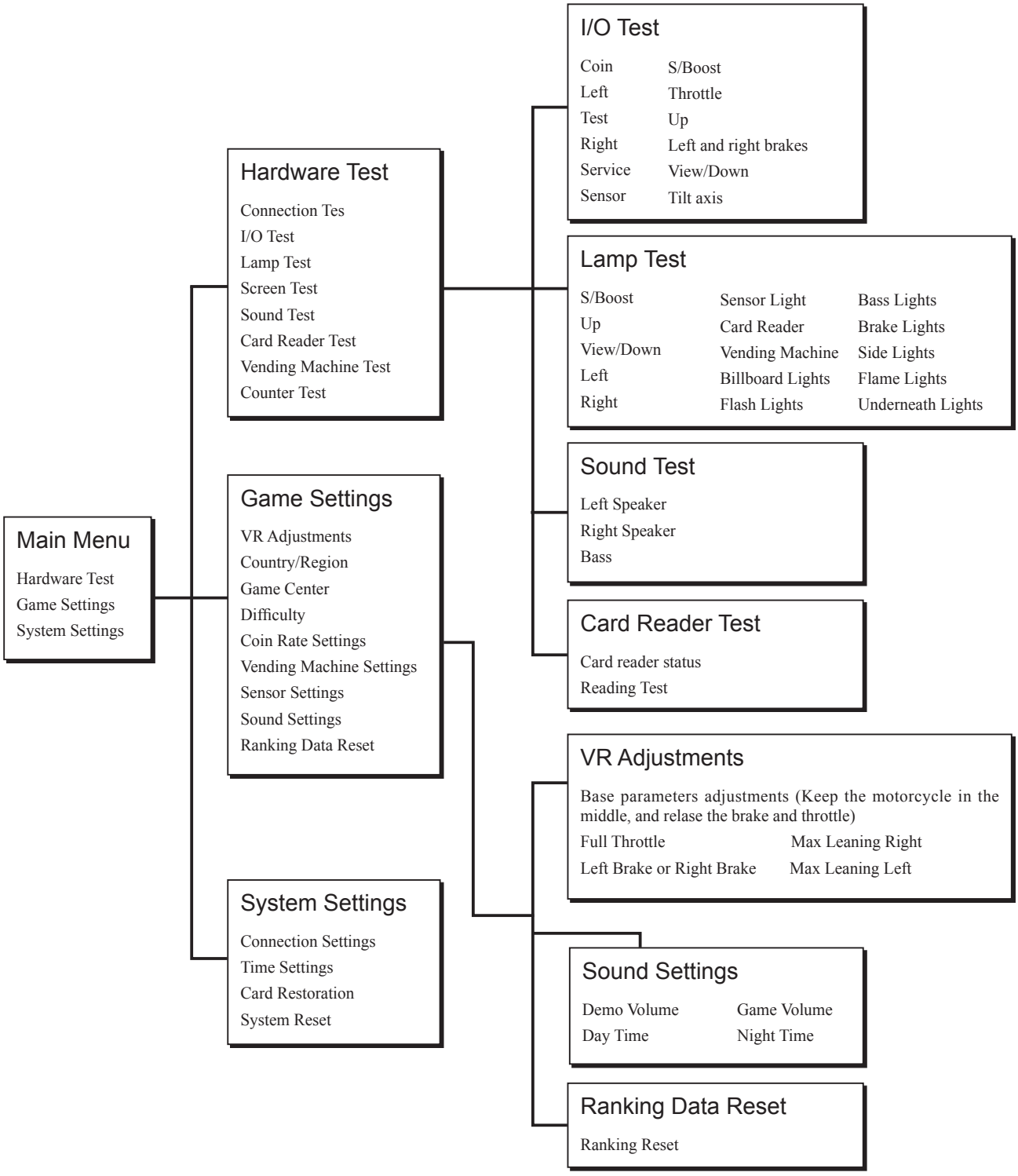


■ Instructions of the displayed pictures

When the game is in process, players can obtain related information from the screen. Below is an example:

5. Using the Main Menu

5.1 Menu Structure



5.2 Using the Main Menu

To enter the Main Menu:

❶Make sure the cabinet is on the standby mode.

Notes

When the game is in process (limited to the [Story Mode], [Time Attack] and [Survival], press [Up], [Down], [Left], [Right] buttons, and the right brake at the same time to stop the game, and enter the standby mode.

❷Open the door of coin box, and press the [TEST] button to enter [Main Menu] as shown below. The bottom of the screen will display the related information of the version of its program.

Enter the menu and following instructions:

❶Use the [Up] and [Down] buttons to move the cursor, and the item where the cursor is pointed to will appear in red.

❷Use the Ⓢ button to confirm or enter the sub menu.

❸After settings or testing is completed, return to [Main Menu], and move the cursor to [Exit]. Then press the Ⓢ button to return to the game.

5.3 Hardware Test

You can enter [Hardware Test] to test if all software is normally functioning or not.

❶ Enter [Main Menu] > [Hardware Test], and the screen will display as follows:

❷ To enter the sub menu, use the [Up] and [Down] buttons to move the cursor and then press the Ⓢ button to confirm.

❸ Regarding the detailed descriptions of testing all hardware in the sub menu, refer to the following instructions.

After testing is completed, move the cursor to [Back], and press the Ⓢ button to leave this page.

5.3.1 Connection Test

After you have assigned a group number for the cabinets to be connected and set up the ID, you can enter the page of [Connection Test] to test whether each cabinet of the same group is normally connected (Regarding ways to set up connection, refer to <5.5.1 Connection setting>).

❶Enter [Main Menu] > [Hardware Test] > [Connection Test].

❷In the page of [Connection Test], press the Ⓢ button, and the system will start sending the connection status of all cabinets. Possible connection status includes:

- Connected
- Checking
- Connection failed

❸After the testing is completed, press the S button again to return to the previous menu.

Notes

No matter how many cabinets are connected, the system will automatically run the testing for four cabinets (1P~4P). If only two cabinets are connected (such as 1P and 2P), the system will still display connection failure for 3P and 4P, then you can simply ignore this message.

For cabinets designated to the same group, as long as one of the cabinets is unable to be connected, then a warning message will soon pop out: Warning! Connection failed Please check connection settings.

When the connection could not be built...

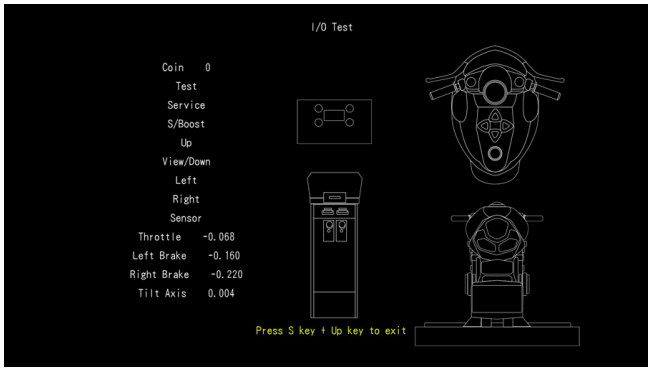
1.Check if internet wires are correctly plugged in.

2.Regarding cabinets to be connected, enter [Main Menu] > [System Setting] > [Connection setting] and check if all cabinets are appointed to the same group but a different ID.

5.3.2 I/O Test

In the page of [I/O Test], you can run the testing for specific I/O application to see if it is normally functioning. Well-sensed devices will display in red or the sensed value.

❶Enter [Main Menu] > [Hardware Test] > [I/O Test].



❷Enter the page of [I/O Test], you can run the testing for a specific application as explained in the chart below.

I/O applications	Testing method	Testing results
Coin	Insert coins to the coin slot machine	Well-sensed devices will display in red, but poorly-sensed ones will remain in white.
Test	Press the corresponding button	
Service		
S /BOOST (S)		
[Up]	Press the corresponding direction button	
[Down]		
[Left]		
[Right]		
Sensor	Lean or place your hand on top of the sensor	
Throttle	Turn the throttle	Neutral position is around 0.000 Full throttle is around 1.000
Left brake Right brake	Release/ Hold the brake	When brake is released, the value is around 0.000, and when the brake is pressed, the value is around 1.000.
Tilt axis	Leaning the motorcycle to the left/ right	When leaning to the left end, the value is around -1.000, and leaning to the right end, the value is around 1.000.

❸After testing is completed, press the Ⓢ button and [Up] button at the same time, and you will leave this page.

If the value of the throttle, brakes or tilt axis is not normal, enter [Main Menu] > [Game Settings] > [VR Adjustments] to make adjustments.

5.3.3 Lamp Test

In the page of [Lamp Test], you can test whether the lights are functioning well or not.

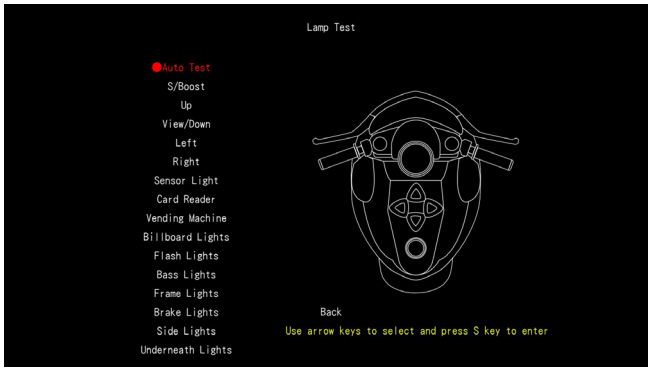
❶Enter [Main Menu] > [Hardware Test]> [Lamp Test].

❷If you choose "Auto Test":

Choose [Auto Test], and press Ⓢ button, then the system will test all lights in sequence. During testing, lights will blink as follows:

- Light of buttons: Blink one time
- The bass lights: Blink RGB one time
- The brake lights and side lights: All lights on

When testing is completed, the screen will display [Completed]. To discontinue automatic testing, press the Ⓢ button.



❸If you want to test a certain light:

Move your cursor to the light to be tested, and press the Ⓢ button, and the tested light will keep blinking. Press the Ⓢ button to discontinue your testing.

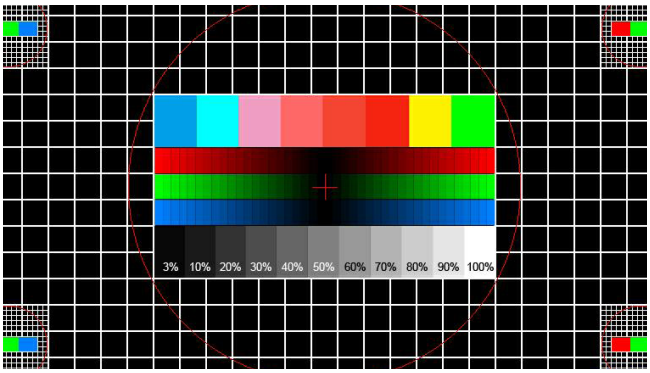
❹After testing is completed, move your cursor to [Back], and press the Ⓢ button to leave this page.

5.3.4 Screen Test

In the page of [Screen Test], you can test whether white balance, color level, and lattice are normally functioning or not.

❶Enter [Main Menu] > [Hardware Test]> [Screen Test].

❷After you enter the page of [Screen Test], the system will soon complete the testing, and the screen will display the following picture for you to adjust white balance, color level, and lattice.



❸Press the Ⓢ button again and the screen will display blue, green, red, white and black in sequence for you to check if colors shown are correct.

❹In the black page, press the Ⓢ button to leave monitor testing page.

5.3.5 Sound Test

In the page of [Sound Test], you can test whether each sound track is normally functioning or not.

❶Enter [Main Menu] > [Hardware Test]> [Sound Test].

❷After you enter the page of [Sound Test], move your cursor to the item to be tested, and press the Ⓢ button to start.

❸The tested sound track will keep playing the sound, and press the Ⓢ button again to discontinue the testing.

❹After your testing is completed, move your cursor to [Back] and press the Ⓢ button to leave this page.

5.3.6 Card Reader Test

In the page of [Card Reader Test], you can test whether the card reader and its operation are normally functioning or not.

❶Enter [Main Menu] > [Hardware Test]> [Card Reader Test].

❷After you enter the page of [Card Reader Test], the system will automatically test the card reader and card-reading status.

The status of card reader will show if the card reader is correctly installed, and card-reading status will show whether the reading is completed or fails.

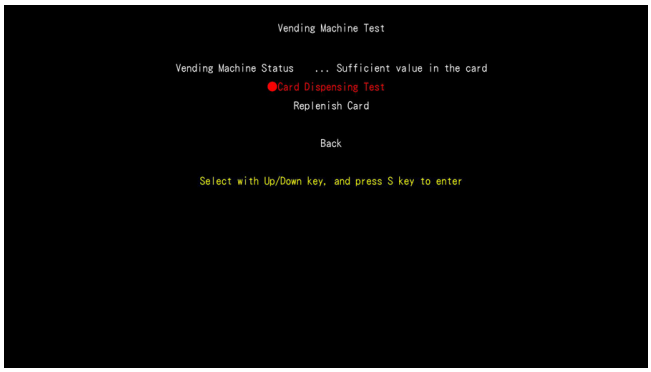
❸When your testing is completed, press the Ⓢ button to leave this page.

5.3.7 Vending Machine Test

In the page of [Testing the card-dispensing machine], you can test whether the card-dispensing machine is normally functioning or not.

❶Enter [Main Menu] > [Hardware Test]> [Vending Machine Test].

❷After you enter the page of [Vending Machine Test], the screen of the Vending machine will automatically sense and test the lights, status of the machine and determine whether cards have to be supplemented.



❸If the Vending machine show cards are sufficient, then it will automatically test card dispensing function to enable the machine to eject new cards.

Only when cards are depleted will the massage of [Insufficient value in the card] pop out. After confirmation is made, you will enter the page to replenish card.

5.3.8 Replenish Card

In the page of [Replenish Card], the screen will show general steps.

❶Enter [Main Menu] > [Hardware Test] > [Vending Machine Test] > [Replenish Card].

❷After the Ⓢ button is pressed, messages will pop out.

❸Then press the Ⓢ button to go back to the previous page, and start the testing of card vending machine.

Testing result will appear in the testing page of the Vending Machine Test.

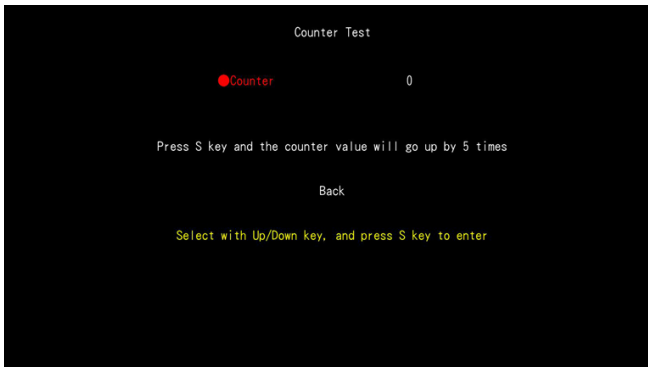
If the result is "Sufficient value in the card", then the icon of "Replenish Card" will disappear; if the screen still shows "Insufficient value in the card", then the icon of "Replenish Card" will still pop out.

5.3.9 Counter Test

In the page of [Counter Test], you can test whether the counter is normally functioning or not.

❶Enter [Main Menu] > [Hardware Test]> [Counter Test].

❷In the page of [Counter Test], press the Ⓢ button, and the system will automatically run for 5 times (from 0 to 5).



You cannot discontinue the counting process. When the counter is running, pressing the Ⓢ button is useless.

❸Then open the coin box and check whether the counter is normally operating or not.

❹After testing is completed, press Ⓢ again to return to the previous page.

5.4 Game Setting

In the page of [Game Setting], you can set up all related features of the game.

❶ Enter [Main Menu] > [Game Setting], and the screen will display as below.

❷ To enter the sub menu, move the cursor by pressing the [Up] and [Down] buttons, and press the Ⓢ button to confirm.

❸ Regarding detailed descriptions of the sub menu, refer to the following sections.

When the testing is completed, move the cursor to [Back], and press the Ⓢ button to leave this page.

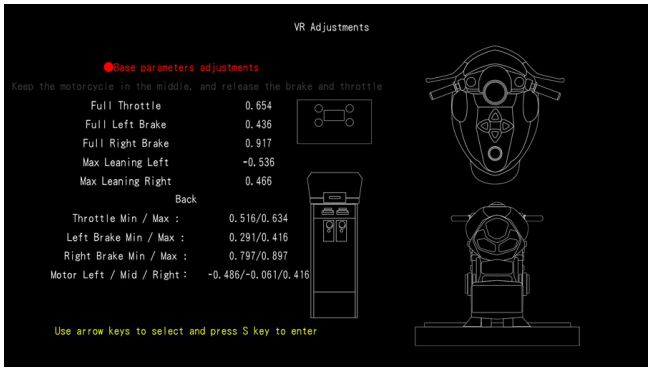
5.4.1 VR Adjustments

In the page of [VR Adjustments], you can adjust each operating function of the motorcycle to control the level of difficulty during play. There are two parts of adjustments, first reset to the default settings and manually run the adjustment:

■ Base parameters adjustments: The system will automatically adjust the intermediary value of the motorcycle, the minimum value of the throttle and brake.

❶Enter [Main Menu] > [Game Settings] > [VR Adjustments].

❷ Enter the page of [VR Adjustments], and make sure the cursor is pointing to [Base parameters adjustments], then keep the motorcycle in the middle position, releasing the brake and throttle. Then press the Ⓢ button, and the system will start automatically resetting to the default settings. When the adjustment is completed, the screen will display [Completed].



■ Manual adjustment: the store owner has to adjust the maximum value of throttle, brake and left/right leaning.

❶Move the cursor by pressing the [Up] and [Down] buttons to choose among items, and press the Ⓢ button to confirm. Then the value on the right side will show the current VR.

❷Start making adjustments (for example, to adjust the brake, firmly hold the brake), and the value will change accordingly. After reaching the desirable level, press the Ⓢ button to store current value.

❸Repeat the above steps, and continue to adjust other items.

❹After the adjustments are made, move the cursor to [Back], and press the Ⓢ button to leave this page.

5.4.2 Setting the Country / Region

In the page of [Country / Region], you can set your location, which will display on players' information of the ranking list.

❶Enter [Main Menu] > [Game Settings], and move the cursor to [Country / Region].

❷Move the cursor by pressing the [Up] and [Down] buttons to choose the country and region.

❸When the setting is completed, press the Ⓢ button to leave this page.

5.4.3 Setting the Game Center

In the option of [Game Center], you can set up the name of your store which will be displayed in players' information of the ranking list.

❶Enter [Main Menu] > [Game Settings] > [Game Center].

❷When the cursor is pointing to [Game Center], press the Ⓢ button and the screen will display a page for you to key in the name of your store.

❸When your setting is completed, move the cursor to [Done] and press the Ⓢ button to leave this page.

5.4.4 Setting the Difficulty

In the page of [Difficulty], you can set up your preferred level of difficulty for the game. The default setting is “Normal”.

❶Enter [Main Menu] > [Game Settings], and move the cursor to [Difficulty].

❷When the cursor is pointing to [Difficulty], press the Ⓢ button to enter the page of settings.

❸Choose between [Easy], [Normal] and [Hard] by using the up and down buttons, and press the Ⓢ button to confirm and leave this page.

❹When the setting is completed, move the cursor to [Back], and press the Ⓢ button to leave this page.

5.4.5 Coin Rate Settings

In the page of [Coin Rate Settings], you can determine if free games are offered, and set up the required number of coins to start or continue the game.

❶ Enter [Main Menu] > [Game Settings] > [Coin Rate Settings].

❷ Choose the items you want to set up by using the [Up] and [Down] buttons, and press the Ⓢ button, then the value on the right side will turn red.

❸Choose among the options by using the [Up] and [Down] buttons, and press the Ⓢ button to confirm.

❹When the setting is completed, move the cursor to [Back], and press the Ⓢ button to leave this page.

5.4.6 Free Play For Champion

In the choice of [Free Play For Champion], you can choose whether you want to offer a free round for the champion of a multi-player game or not.

❶Enter [Main Menu] > [Game Settings] > [Coin Rate Settings], and move the cursor to [Free Play For Champion].

❷When the cursor is pointing to [Free Play For Champion], press the Ⓢ button to start settings.

❸Choose [On] or [Off] by using the [Up] and [Down] buttons, and press the [Start] button to leave this page.

5.4.7 Vending Machine Settings

In the page of [Vending Machine Settings], you can set up the unit price of each card. The default setting is 30 coins, and 1-99 coins can be inserted (adding 1 coin at one time).

❶Enter [Main Menu] > [Game Settings], and move your cursor to [Vending Machine Settings].

❷When the cursor is pointing to [Card Unit Price], press the Ⓢ button, and those words on the right side will turn red.

❸Adjust the unit price by using [Up] and [Down] buttons, and press the Ⓢ button to confirm.

❹When the setting is completed, move the cursor to the [Back] button, and press the Ⓢ button to leave this page.

5.4.8 Sensor Settings

In the page of [Sensor Settings], you can determine whether to operate motion sensor or not. If this function is turned off, players cannot accelerate by bending down. The default setting of this function is on.

❶Enter [Main Menu] > [Game Settings], and move the cursor to [Sensor Settings].

❷When the cursor is pointing to [Sensor Settings], press the Ⓢ button to enter the page of [Sensor Settings].

❸Choose [On] or [Off] by using the [Up] and [Down] buttons, and then press the Ⓢ button to leave this page.

5.4.9 Sound Settings

In the page of [Sound Settings], you can set demo and game volumes for day time and night time:

■ Demo volume: The volume of the demo, ranging from 0 to 31, and the default volume is 14.

■ Game volume: The volume of in games, ranging from 0 to 31, and the default volume is 18.

The default start time of day time and night time is 8:00 and 20:00 respectively. Setup steps are as follows:

❶Enter [Main Menu] > [Game Settings] > [Sound Settings].

❷Choose among the items to be set up by using the [Up] and [Down] buttons, and press the Ⓢ button, then the value on the right side will turn red.

❸Adjust the volume or time by using the [Up] and [Down] buttons, and press the Ⓢ button to confirm.

❹When the setting is completed, move the cursor to [Back] and press the Ⓢ button to leave this page.

5.4.10 Ranking Data Reset

In the page of [Ranking Data Reset], you can reset all the data from ranking board.

❶Enter [Main Menu] > [Game Settings]> [Ranking Data Reset].

❷Choose among the items to be reset by using the [Up] and [Down] buttons, and press the Ⓢ button.

When the icon for confirmation pops out on the right side, select [Yes], and press the Ⓢ button.

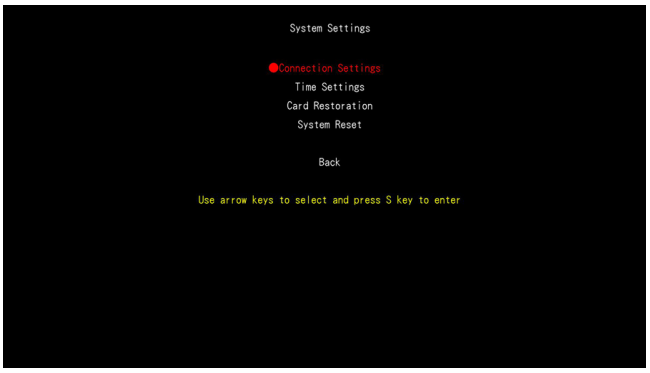
❸Then the system will start to reset data. When the resetting process is completed, the screen will show [Reset completed].

❹When the resetting process is completed, move the cursor to [Back], and press the Ⓢ button to leave this page.

5.5 System Settings

In the page of [System Settings], you can set up connection, system time, or system reset.

❶ Enter [Main Menu] > [System Settings], and the screen will display as follows.



❷ To enter the sub menu, move the cursor by using [Up] and [Down] buttons, and press the Ⓢ button to confirm.

❸ For detailed descriptions for each sub menu, refer to the following sections.
When the setting is completed, move the cursor to [Back], and press the Ⓢ button to leave this page.

5.5.1 Connection Settings

To connect each cabinet (a maximum of four cabinets are allowed), you need to complete the following settings.

■ All cabinets to be connected should be appointed the same group number and a different ID.

■ As a group can consist of a maximum of four cabinets, if you have four cabinets to connect, you can appoint their ID as 1P, 2P, 3P and 4P.

■ Examples of connecting four cabinets:

Cabinet(L)	Cabinet(R)	Cabinet(L)	Cabinet(R)
Connection Setting Group Number ..... 1 ID 1P	**Connection Setting** Group Number ..... 1 ID 2P	**Connection Setting** Group Number ..... 1 ID 3P	**Connection Setting** Group Number ..... 1 ID 4P
Please setup the connection here.		Please setup the connection here.	

Setup steps are as follows:

❶Enter [Main Menu] > [System Settings] > [Connection Settings].

❷Appointing the group number:

- Move the cursor to [Group Number], and press the Ⓢ button, then the cursor will move to the right side and turn red.
- Choose the group number by using the [Up] and [Down] buttons.
- Then press Ⓢ button to confirm and move the cursor to the left side.

❸Setting the ID of the main cabinet:

- Move the cursor to [ID] , and press the Ⓢ button, then the cursor will move to the right side and turn red.
- Select the ID by using [Up] and [Down] buttons.
- Then press the Ⓢ button to confirm, and move the cursor to the left side.

❹When the setting is completed, move the cursor to [Back], and press the Ⓢ button to leave this page.

5.5.2 Time Settings

In the page of [Time Settings], you can set up the system time to serve as the time basis for each game.

Reminders:

■ If store owner does not set the time, then the default time of the system will be based on the time of the board.

■ During a multi-player game, time will be based on the time of the newest set cabinet.

Setup steps are as follows:

❶Enter [Main Menu] > [System Settings] > [Time Settings].

❷ Press the Ⓢ button in the page of changing time, and move the cursor to where

you want to set up (year/month/day/hour/minute), then press the Ⓢ button, and words on the right side will soon turn red.

❸After the cursor turns red, make adjustments by using the [Up] and [Down] buttons, and click Ⓢ button to confirm, then the cursor will go back to the left side, turning red.

❹When the setting is completed, move the cursor to [Back] and click the Ⓢ button to leave this page.

5.5.3 Card Restoration

During the card switching process, if players' cards are locked, you can retrieve the data on the cards by using the function of [Card Restoration] to assist players in changing their cards.

Setup steps are as follows:

❶Enter [Main Menu] > [System Settings] > [Card Restoration].

❷The screen will display data of the newest five cards. If you want to check which data belongs to the player, insert the locked card. Then the screen will display information regarding the ID of the card. After confirming the data, eject the card.

If you already know which data belongs to the player, insert an empty card instead.

❸After a new card is inserted, choose the data to be written in by using the [Up] and [Down] buttons, and press the Ⓢ button to confirm.

❹When the system asks [Yes] or [No], choose [Yes].

❺During the import process, do not eject the card until the screen shows [Card restoration completed; eject the card], then eject the card.

❻Move the cursor to [Back], and press the Ⓢ button to leave this page.

5.5.4 System Reset

In the page of [System Reset], you can set system data and auto reply to the default setting. Steps are as follows:

❶Enter [Main Menu] > [System Settings], and move the cursor to [System Reset], then press the Ⓢ button.

❷After you enter this page, select [Yes], and then the system will start the resetting process. When the process is completed, the screen will display [Reset completed].

❸When the setup process is completed, move the cursor to [Back], and press the Ⓢ button to leave this page.

After the resetting process, the retrieved data and settings will be as follows:

Categories	Setup	Default settings
Connection Settings	Group Number	1
	ID	1P
Ranking	Total Team Ranking, Monthly Team Ranking, Time Attack, Survival	Default
Game Settings	Location	Empty value
	Game Center	Empty value
	Difficulty	Normal
	Free Game Mode	Off
	Free Play For Champion	Off
	Coin(s) To Start	2
	Coin(s) To Continue	2
	Sensor Settings	on
Sound Settings	Demo Volume	14
	Game Volume	18
	Day Time	8:00
	Night Time	20:00
VR Adjustments	Place the motorcycle in the middle place	0.000
	Lean the motorcycle to the left end	-1.000
	Lean the motorcycle to the right end	1.000
	Release Throttle	0.000
	Full Throttle	1.000
	Release the Brake	0.000
	Full Brake	1.000

6. Maintenance and Repair

6.1 Daily inspection

To extend the life of this product, routinely maintain and inspect it.

Exterior inspection

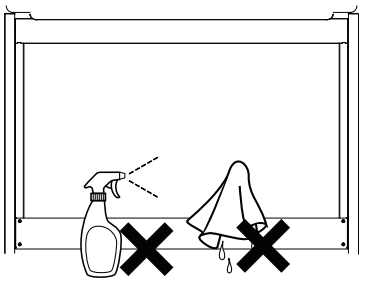
- Check if warning labels are coming off, dirty or unrecognizable. If so, replace them immediately.
- Check if the screws inside the speakers are well fastened.
- Check if the leg levelers are fastened or not.
- Check if the light box board is fastened or not.
- Check if the screws of each part are tightly fastened.
- Clean the coin slot machine.
- Check if each plug is coming off or not.

Parts Inspection

- Check if the speakers are producing sound.
- Check if led lights and buttons are normal.
- Check if the display of the screen is clear enough.
- Check if the throttle and brake are normal.
- Check if the function of leaning the motorcycle to the left and right is normal.

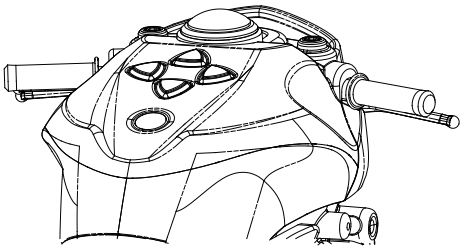
6.2 Cleaning and Maintenance

LCD screen



To clean the LCD screen, make sure to use a soft dry cloth without showing the end of the thread, and cloth made of microfiber is recommended such as glass cloth. Do not use detergent containing alcohol, acetone and any other chemicals. If you are not sure about the ingredients of the detergent, do not use it.

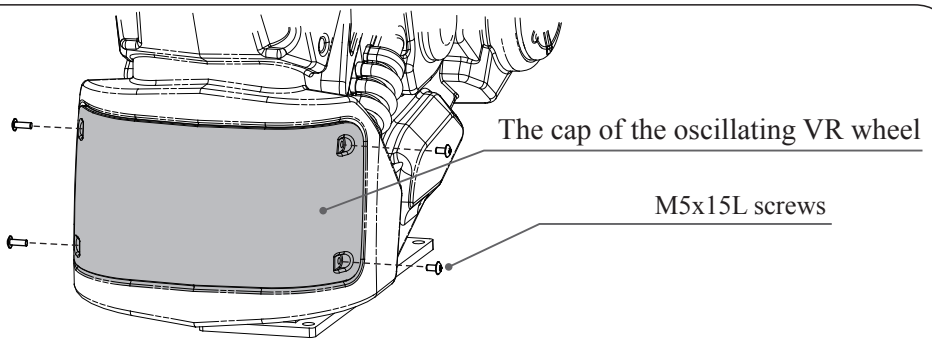
Cleaning the acrylic plate of the oil tank cover



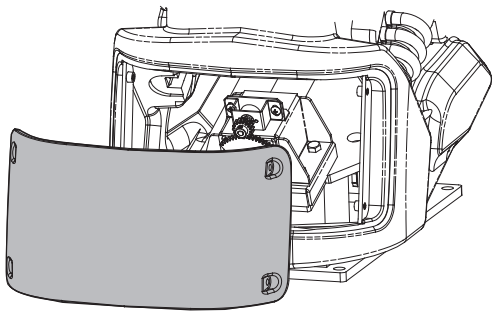
The acrylic plate of the oil tank cover should be cleaned every day. To clean it, make sure to use a soft dry cloth to wipe it, and cloth made of microfiber is recommended (such as glass cloth).

Maintaining the oscillating VR wheel

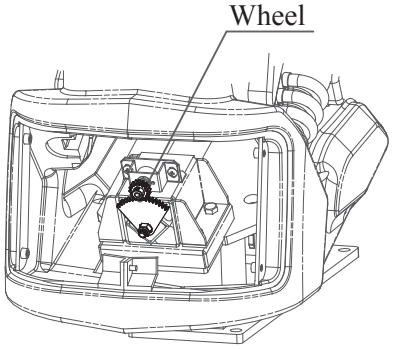
Routinely add lubricant to the oscillating VR wheel so as to guarantee its function.



1 Loosen the 4 screws on the cap of the oscillating VR wheel.



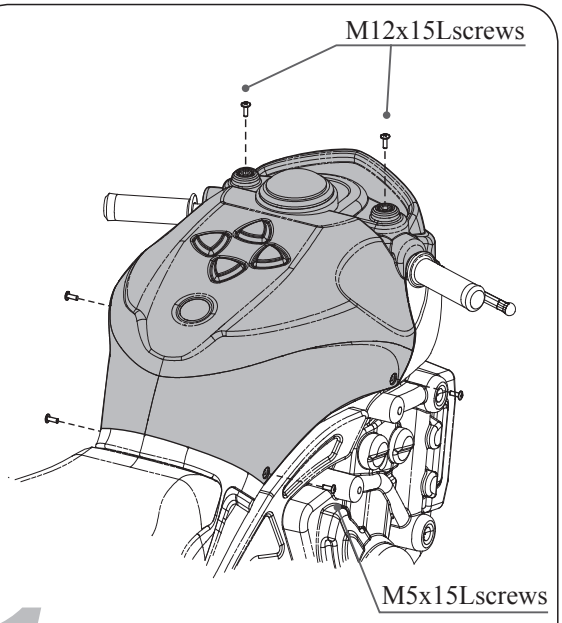
2 Bend the cap backwards to open it.



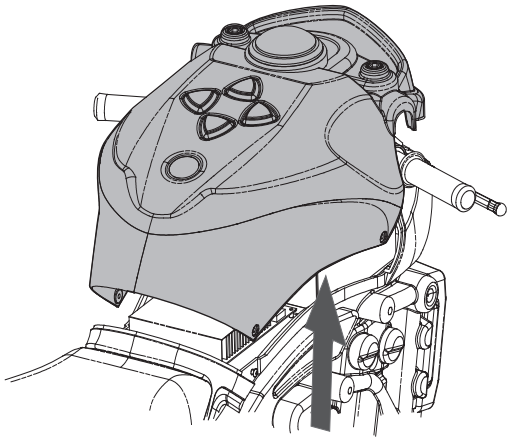
3 Add lubricant to the wheel, and inspect if any screw is loose.

Maintaining the VR wheel of left/ right brakes

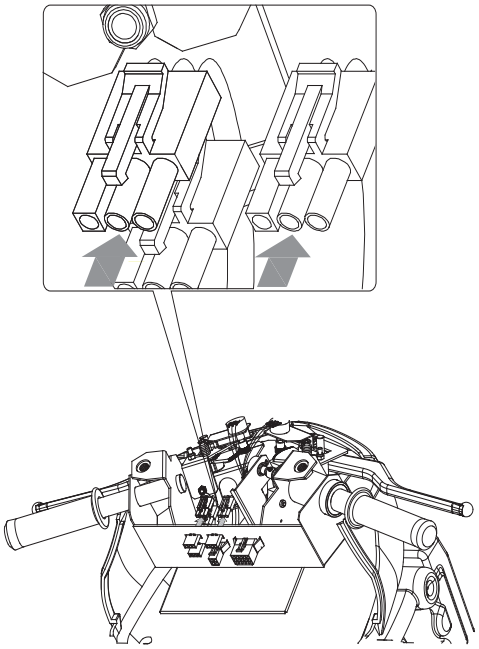
Routinely add lubricant to the VR wheel of the left and right brakes to guarantee the function.



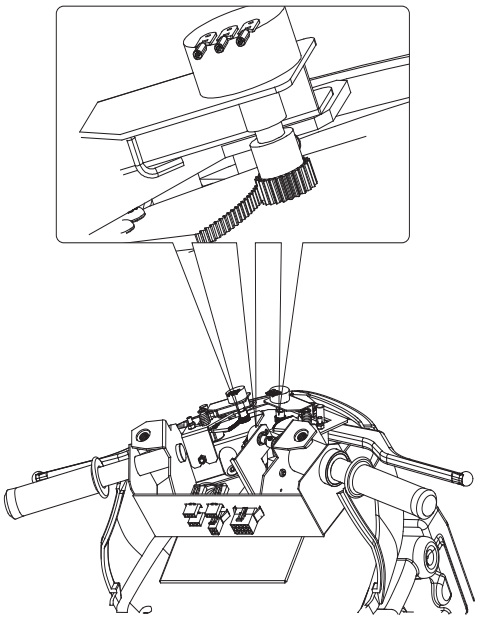
1 Loosen the 6 screws on the cap of the oil tank.



2 Bend the cap upwards to open it.



3 Dissemble the VR connector of the brake.



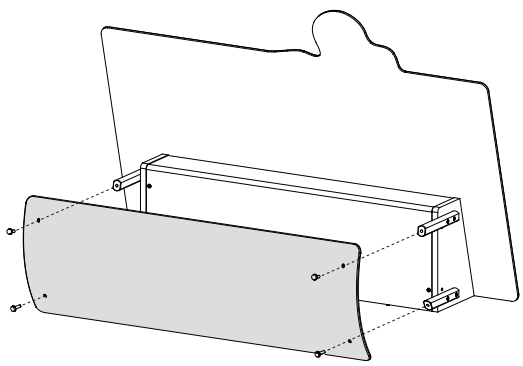
4 Add lubricant to the wheel and check if any screw is loose.

6.3 Replacing Parts

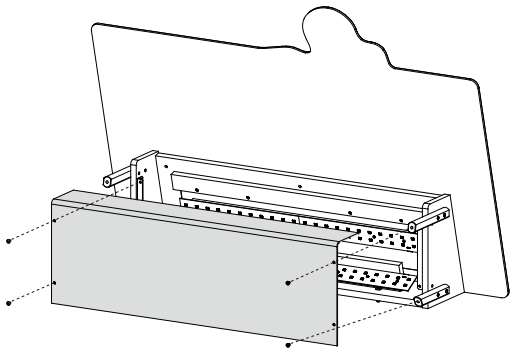
CAUTION

- During the maintenance process, make sure to turn off the main power so as to avoid electric shocks and short circuit.
- When replacing parts and unplugging the cords, make sure to turn off the main power.
- After the main power is just turned off, the temperature of the power board and monitor will still remain high, so avoid contact to prevent from being burnt or getting electric shocks.
- To do the operations which are not included in this manual, make sure to contact the Customer Services Center of IGS, and proceed with the given instructions. Contact numbers are listed in the back of this manual.
- To replace consumables and parts, make sure to use the designated parts of IGS.

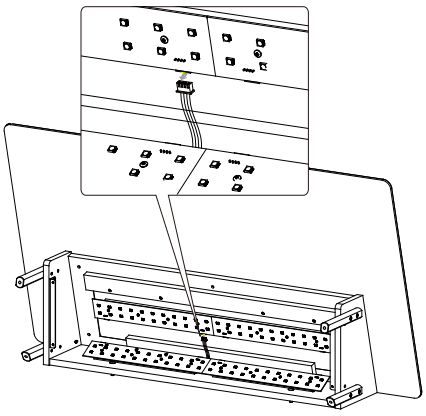
6.3.1 Replacing the plate of the light box



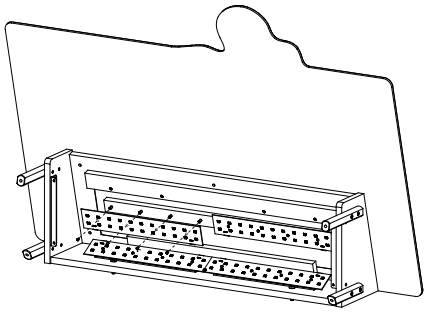
1 Loosen 4 M6 art screws and disassemble the acrylic plate.



2 Remove 4 M4 cruciform screws and disassemble the L-shaped acrylic plate.

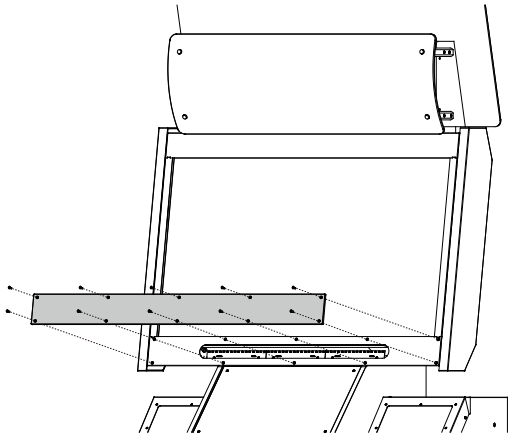


3 Remove the connector of the light plate to be replaced.

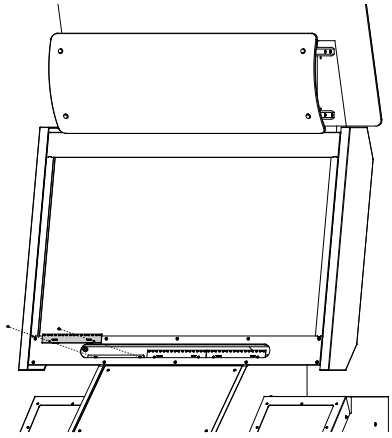


4 Remove 4 M3 cruciform screws and replace the light plate, then resemble according to the reversed assembly sequence.

6.3.2 Replacing the light plate of the screen

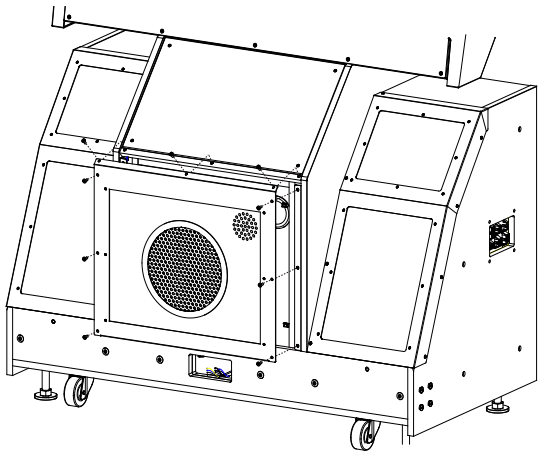


1 Remove 10 M3 flat head screws and disassemble the acrylic plate.

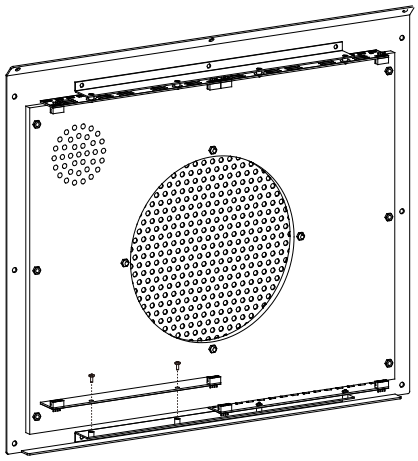


2 Remove 2 M3 cruciform screws and the connector of the light plate to replace the light plate. Then resemble according to the reversed assembly sequence.

6.3.3 Replacing the plate of the bass light

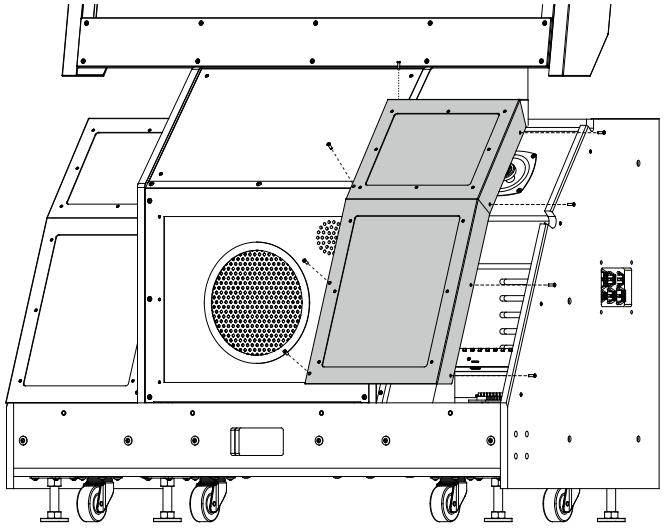


1 Remove 9 M4 cruciform screws.

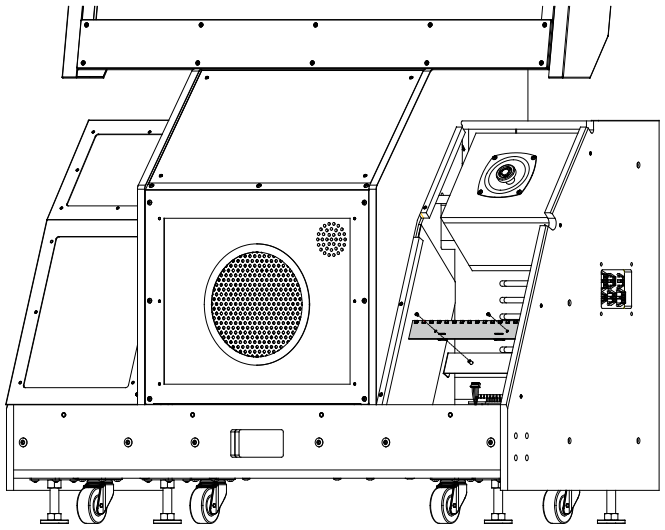


2 Remove 2 M3 cruciform screws and replace the light plate. Later, reassemble according to the reversed assembly sequence.

6.3.4 Replacing the plate of the bass lights on both sides

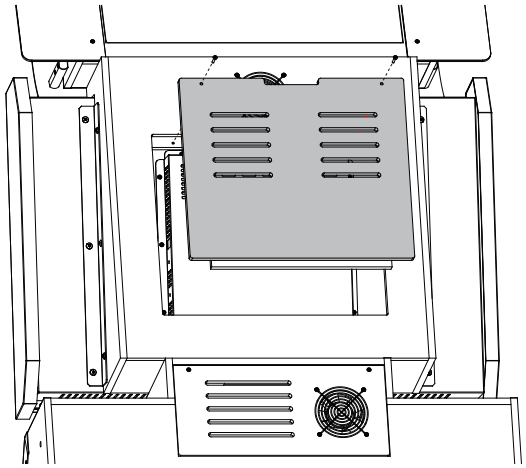


1 Remove 8 M4 cruciform screws and disassemble the decorative frame.

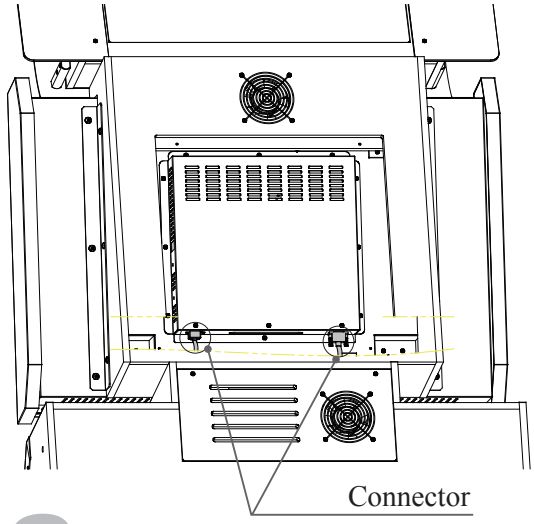


2 After disassembling the connector and 2 M3 cruciform screws, and replacing the light plate, reassemble according to the reversed assembly sequence.

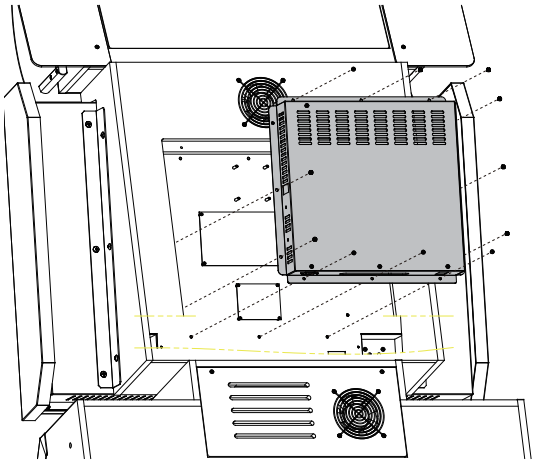
6.3.5 Replacing the LCD control panel and power board



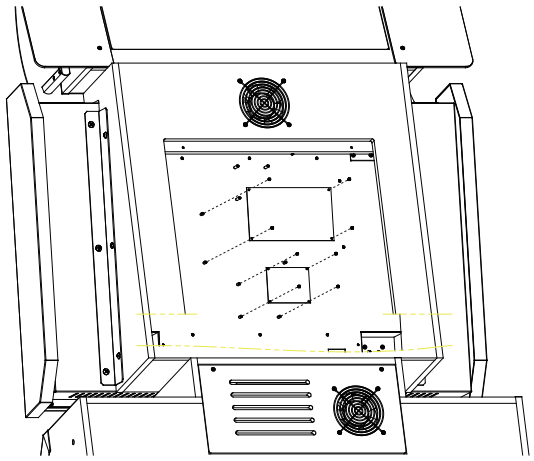
1 Remove 2 M4 cruciform screws and open the back door.



2 Remove the two connectors.

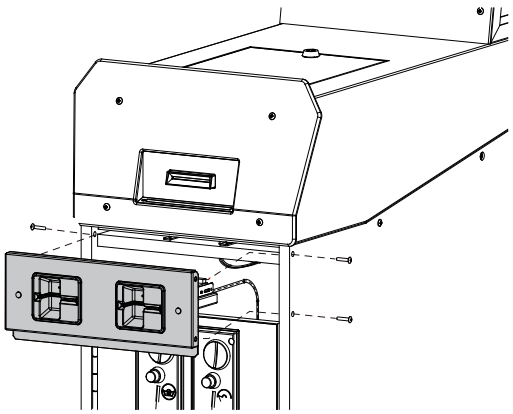


3 Remove 9 M4 cruciform screws and open the cap of the maintenance door on the screen.

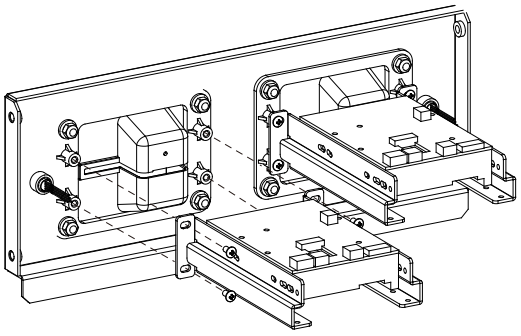


4 After removing 8 M3 screws, and replacing the LCD control panel and power board, reassemble according to the reversed assembly sequence.

6.3.6 Maintaining and repairing the card reader

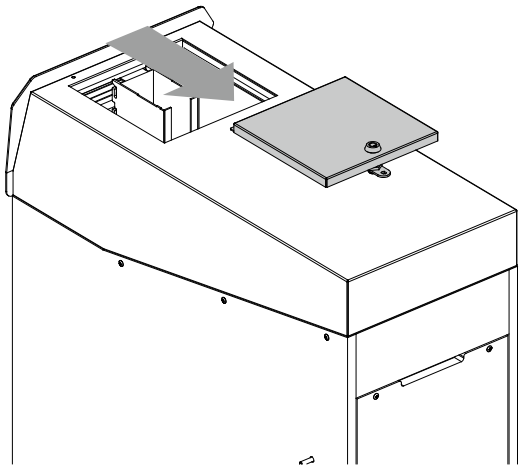


1 Remove 4 M4 cruciform screws and disassemble the panel of the card reader.



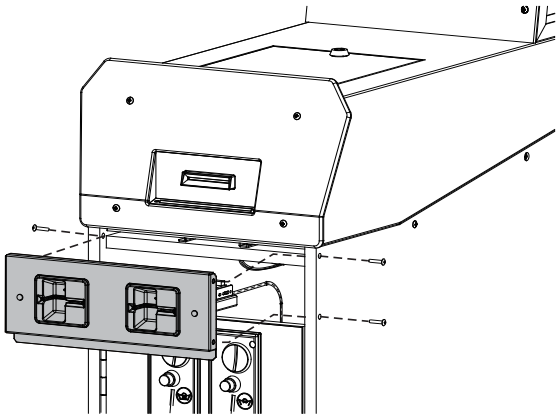
2 After removing 4 M3 screws, and replacing the card reader, reassemble according to the reversed assembly sequence.

6.3.7 Replenish card

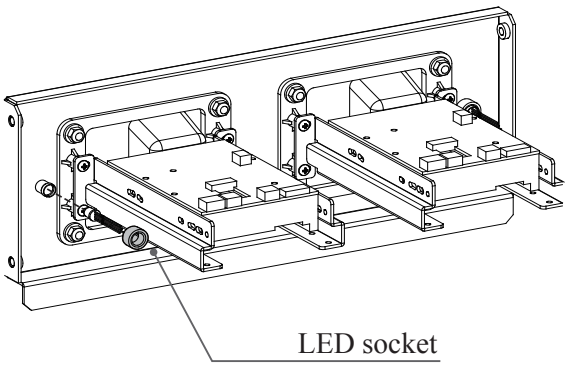


1 Disassemble the cap of the maintenance door, after replenis card and reassemble according to the reversed assembly sequence.

6.3.8 Replacing the LED of card reader

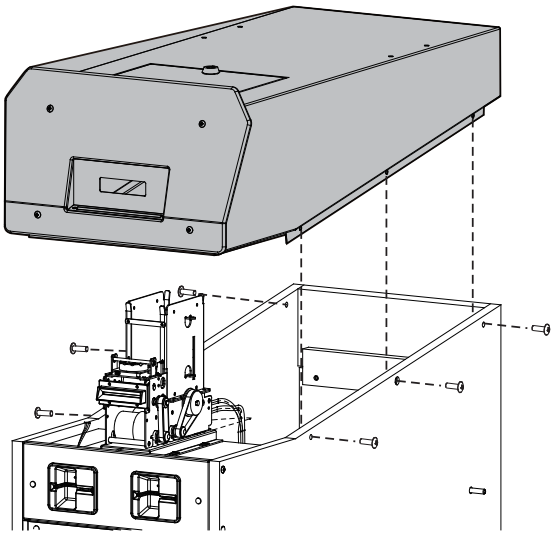


1 Remove 4 M4 cruciform screws and disassemble the panel of the card reader to remove the connector.

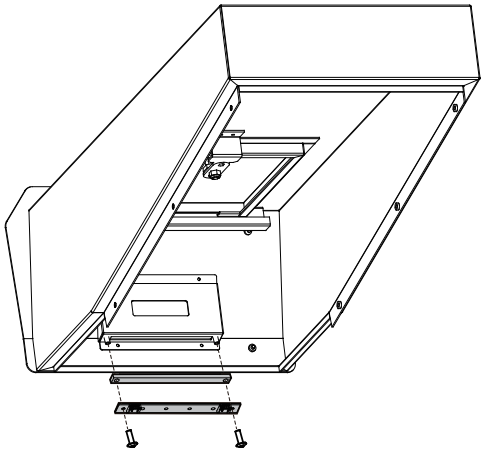


2 After removing the bush of the LED and replacing LED, reassemble according to the reversed assembly sequence.

6.3.9 Replacing the LED plate of card vending machine

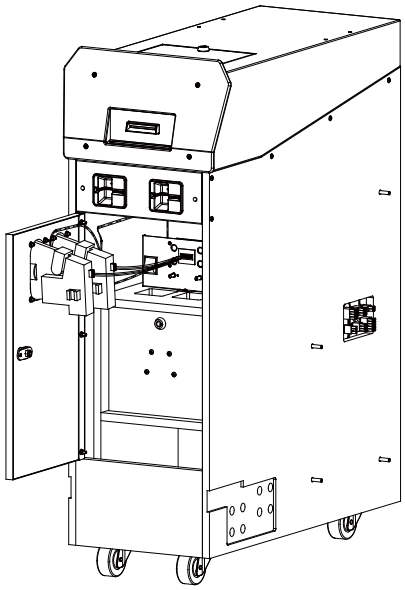


1 Remove 6 M4 cruciform screws and disassemble the panel of the card vending machine to remove the connector.

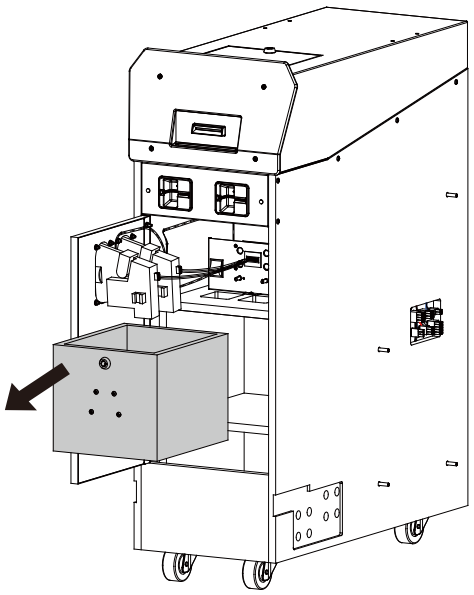


2 After removing 2 M3 cruciform screws and replacing the LED plate, reassemble according to the reversed assembly sequence.

6.3.10 Replacing the coin box

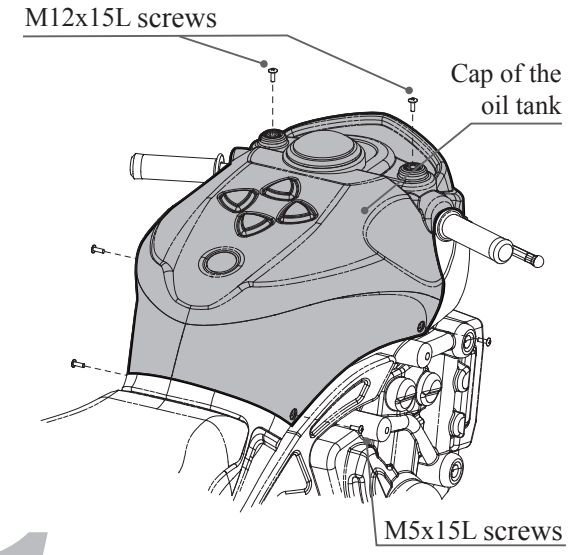


1 Use the key to open the front door.

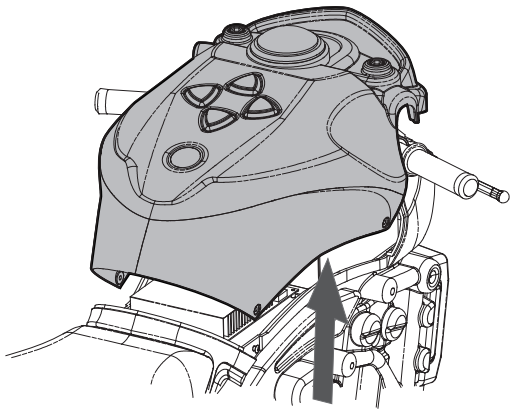


2 Then take out all coins in the box, and reassemble according to the reversed assembly sequence.

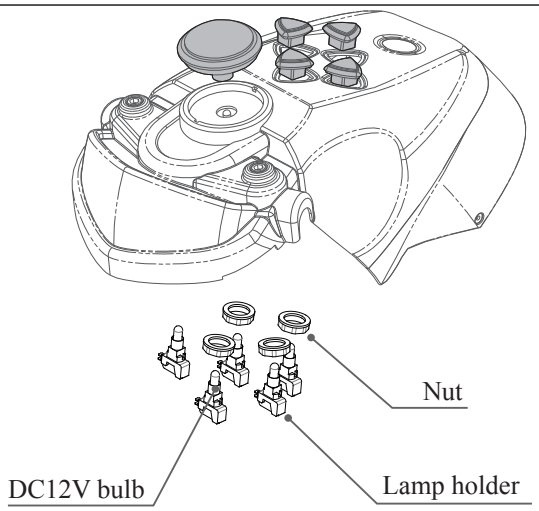
6.3.11 Replacing buttons on the oil tank and lights of the buttons



1 Loosen the 6 screws on the cap of the oil tank.

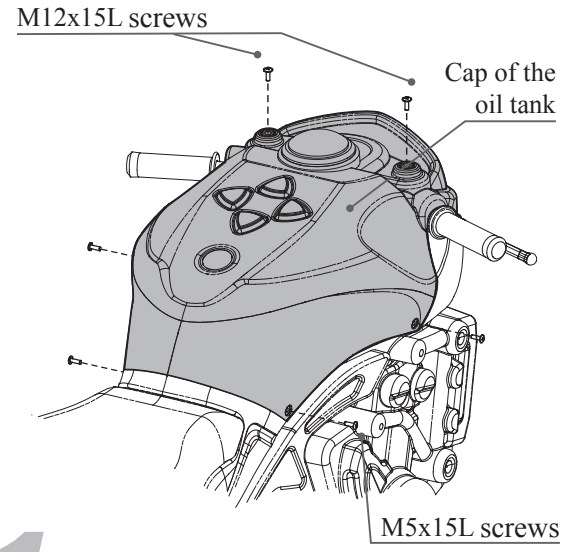


2 Open the cap.

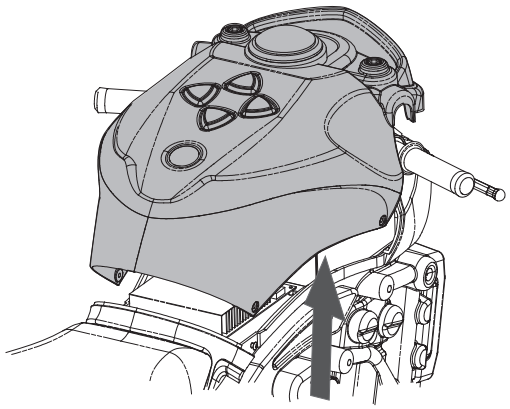


3 Remove the light holder in the bottom, and turn the nut to replace buttons. Later, reassemble according to the reversed assembly sequence.

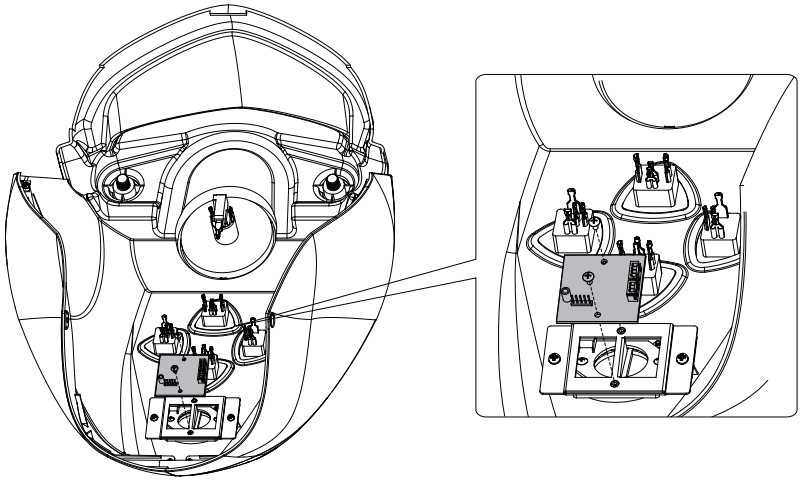
6.3.12 Replacing the circuit board of the sensor on the oil tank



1 Loosen the 6 screws on the cap of the oil tank.

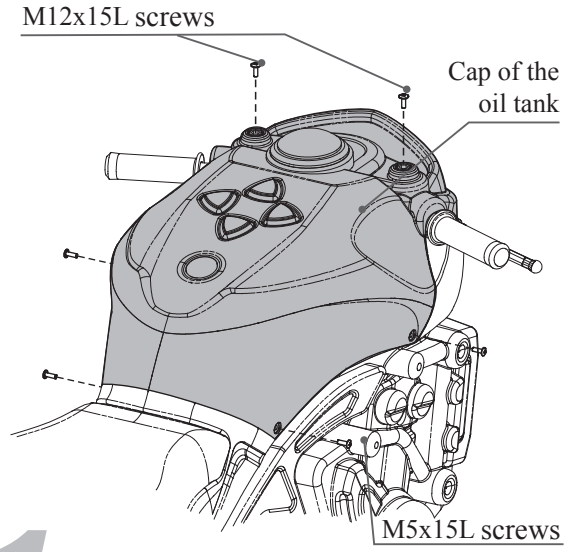


2 Open the cap.

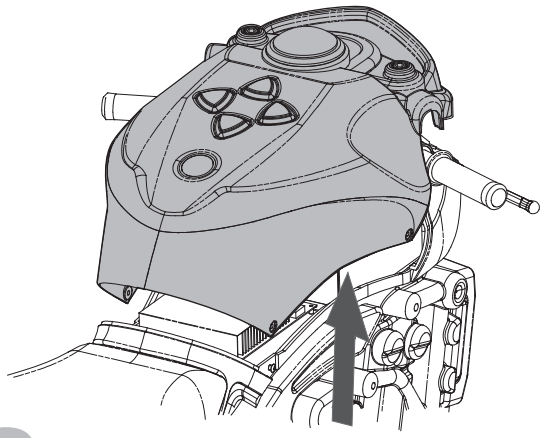


3 After removing 2 M3 cruciform screws and replacing the circuit board, reassemble according to the reversed assembly sequence.

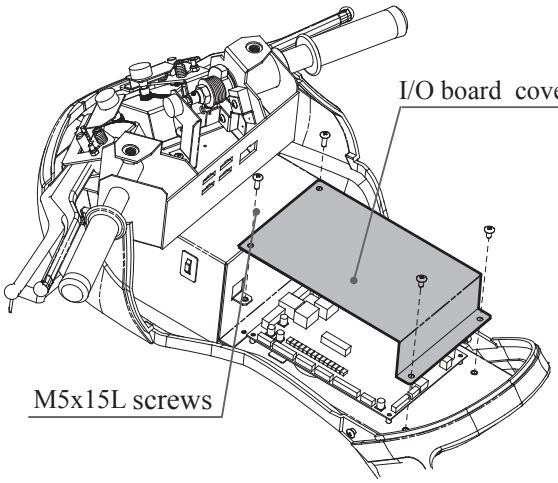
6.3.13 Replacing I/O circuit board



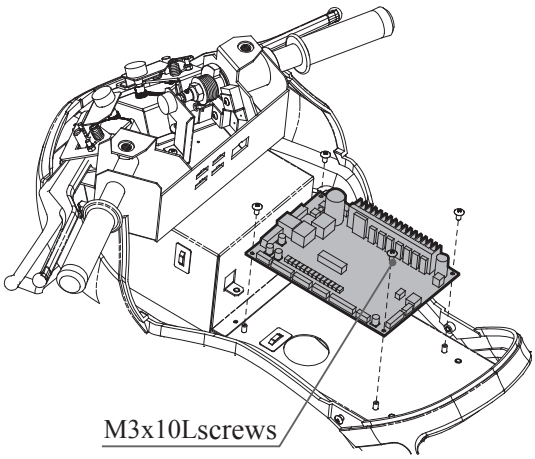
1 Loosen the 6 screws on the cap of the oil tank.



2 Open the cap.



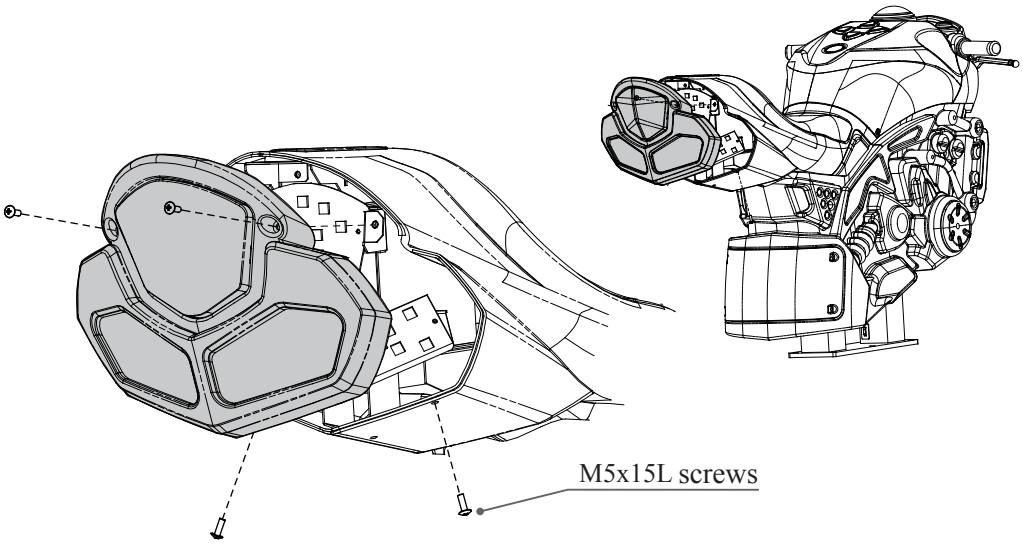
3 Loosen the 4 screws on the protection cap of the I/O board, and disassemble the protection cap of the I/O board.



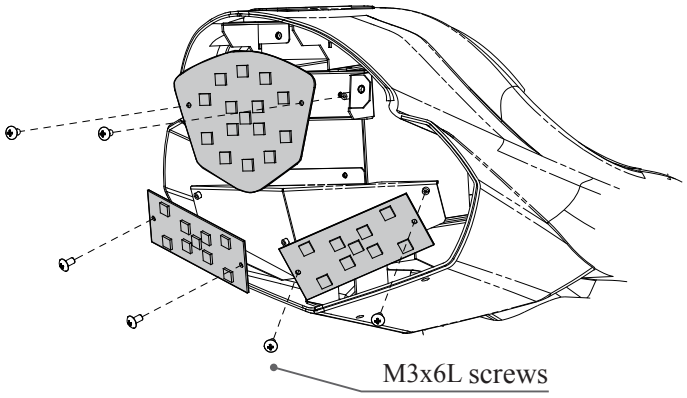
4 Dissemble the connectors around the I/O board, and loosen the 4 screws of the I/O circuit board, then replace the I/O circuit board.

5 After replacing I/O circuit board, reassemble according to the reversed assembly sequence.

6.3.14 Replacing the circuit board of the rear light



1 Loosen the 4 screws of the rear light and disassemble the cap of the rear light.

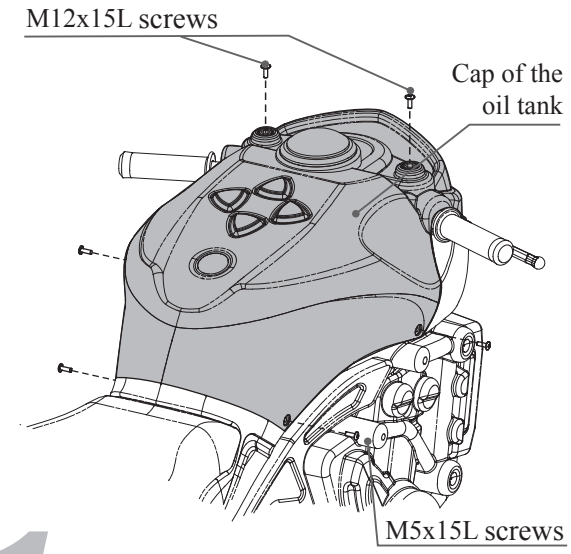


2 Loosen the 6 screws on the cap of the rear light to disassemble the cap.

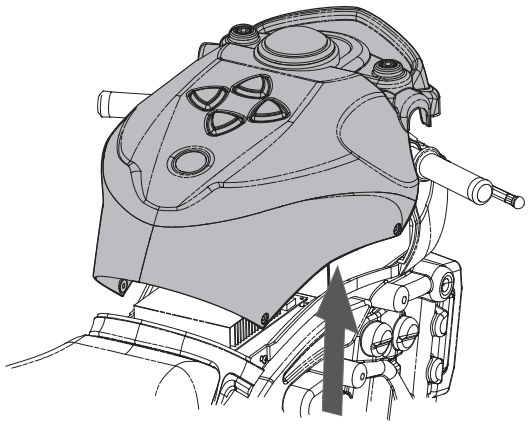
3 Disassemble the connectors on the circuit board of the rear light to replace the circuit board.

4 After replacing the circuit board of the rear light, reassemble according to the reversed assembly sequence.

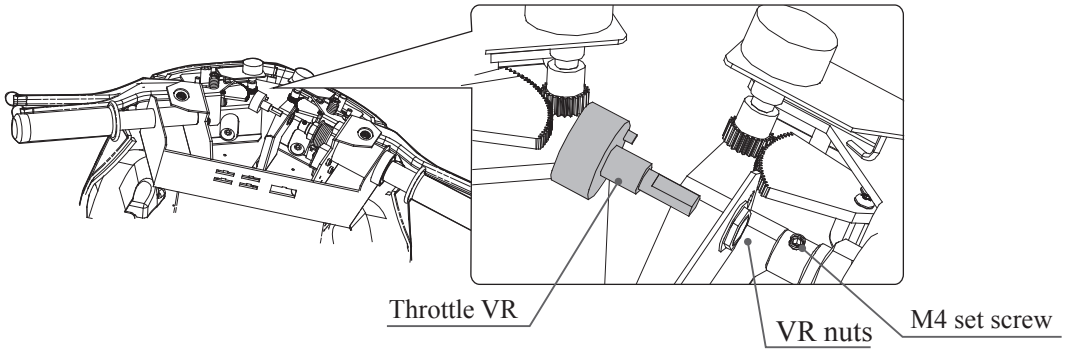
6.3.15 Replacing the VR of the throttle



1 Loosen the 6 screws on the cap of the oil tank.

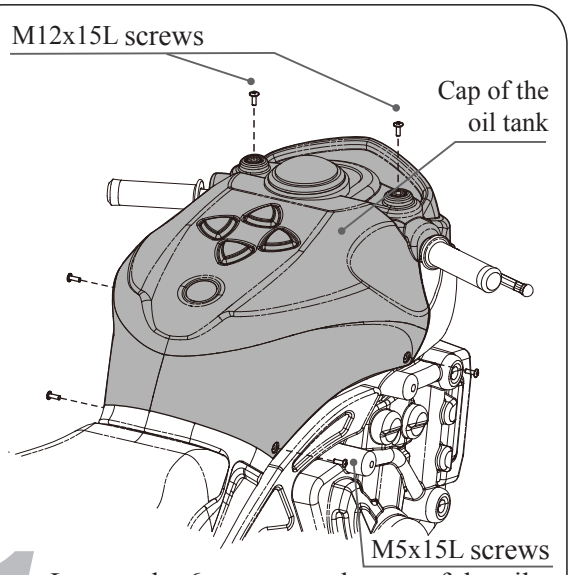


2 Open the cap.

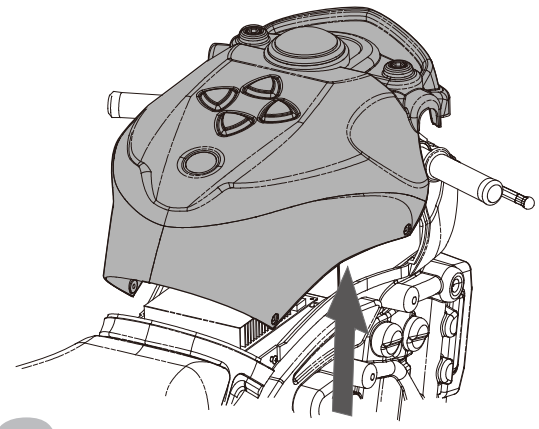


3 Loosen set screws and VR nuts, and replace VR, then reassemble according to the reversed assembly sequence.

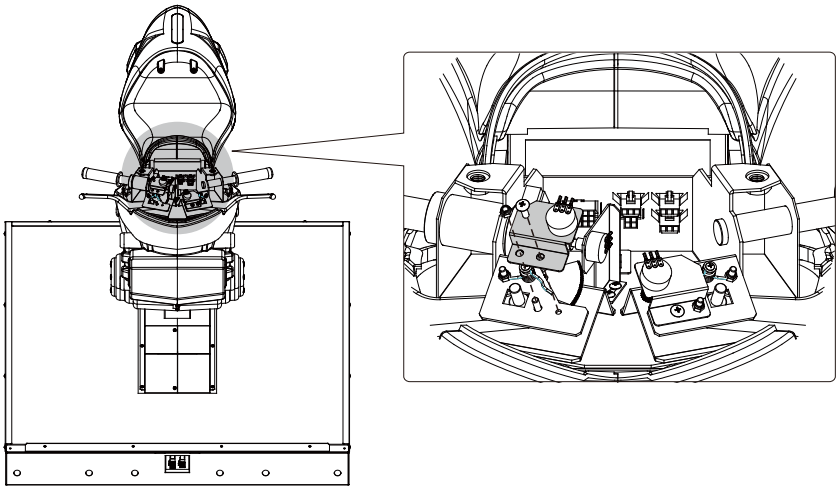
6.3.16 Replacing the VR of the left/right brakes



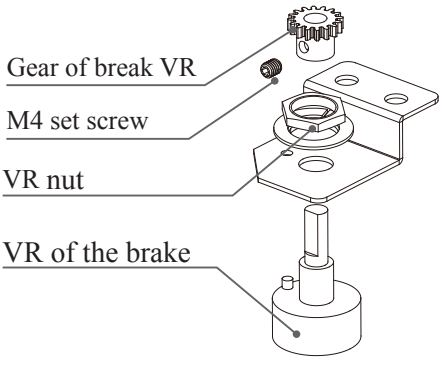
1 Loosen the 6 screws on the cap of the oil tank.



2 Open the cap.

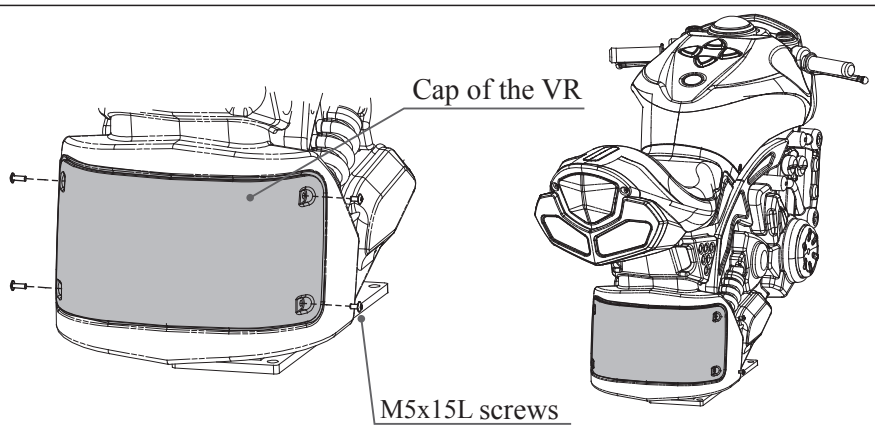


3 Loosen 1 M5 cruciform screw and 1 M5 nut to disassemble the VR of the braking system.

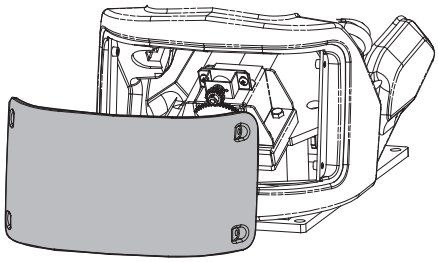


4 Loosen set screws to disassemble the gear of the brake, then loosen the nut of the VR. After replacing the VR of the brake, reassemble according to the reversed assembly sequence.

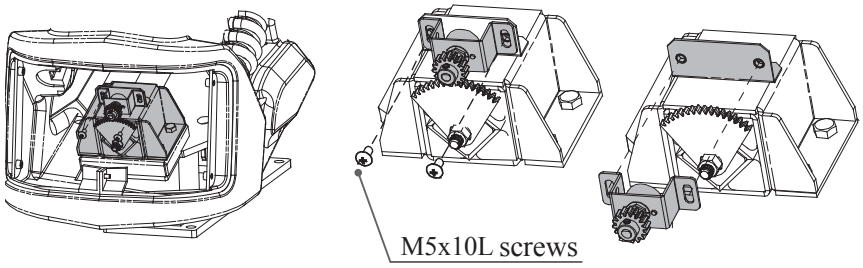
6.3.17 Replacing the oscillating VR



1 Loosen the 4 screws on the cap of the VR.



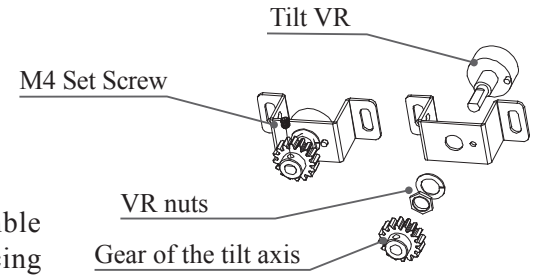
2 Bend the cap backwards to open it.



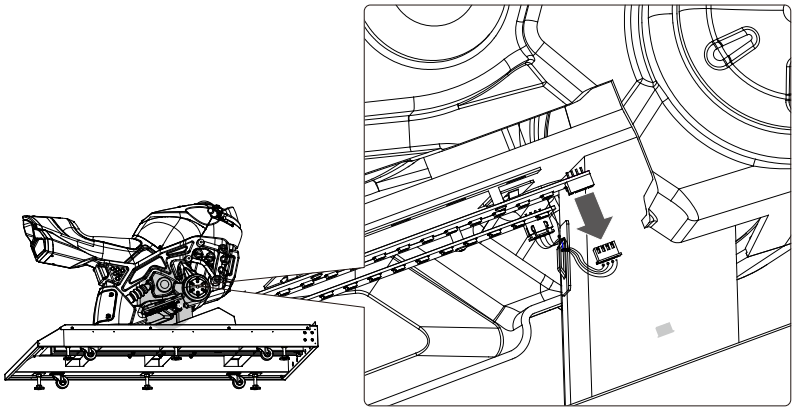
3 Loosen screws to disassemble the oscillating VR set.

4 Loosen set screws to disassemble the tiny gears of the oscillating VR set.

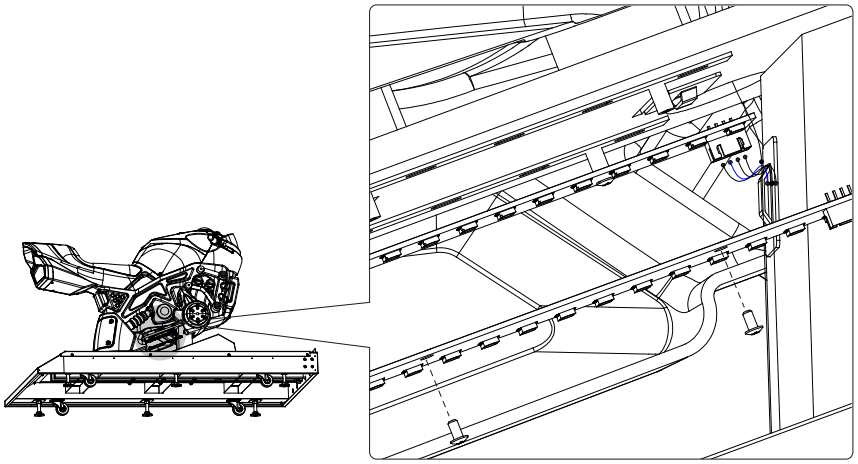
5 Loosen the nut of VR to disassemble the oscillating VR set. After replacing the VR set, reassemble according to the reversed assembly sequence.



6.3.18 Replacing the light plate of the car

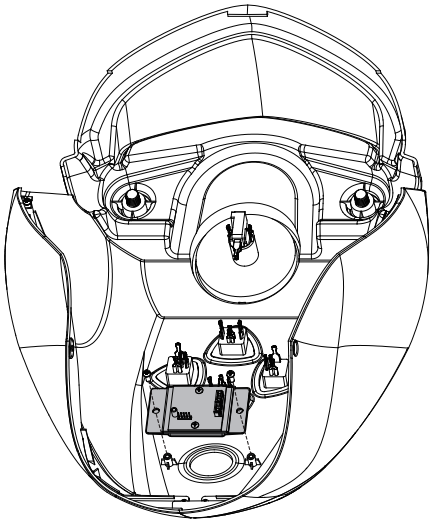


1 Disassemble the connectors of the neon under the motorcycle.

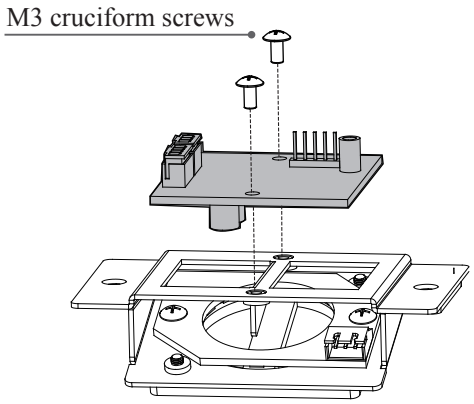


2 Loosen 2 M3 cruciform screws, and replace the light plate, then reassemble according to the reversed assembly sequence.

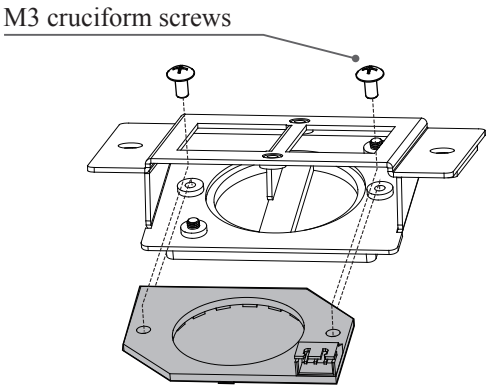
6.3.19 Replacing the sensor light



1 Removing 2 M3 cruciform screws and take out the sensor set.



2 Removing 2 M3 cruciform screws and take out the sensor.



3 Removing 2 M3 cruciform screws and replacing the sensor light, reassemble according to the reversed assembly sequence.

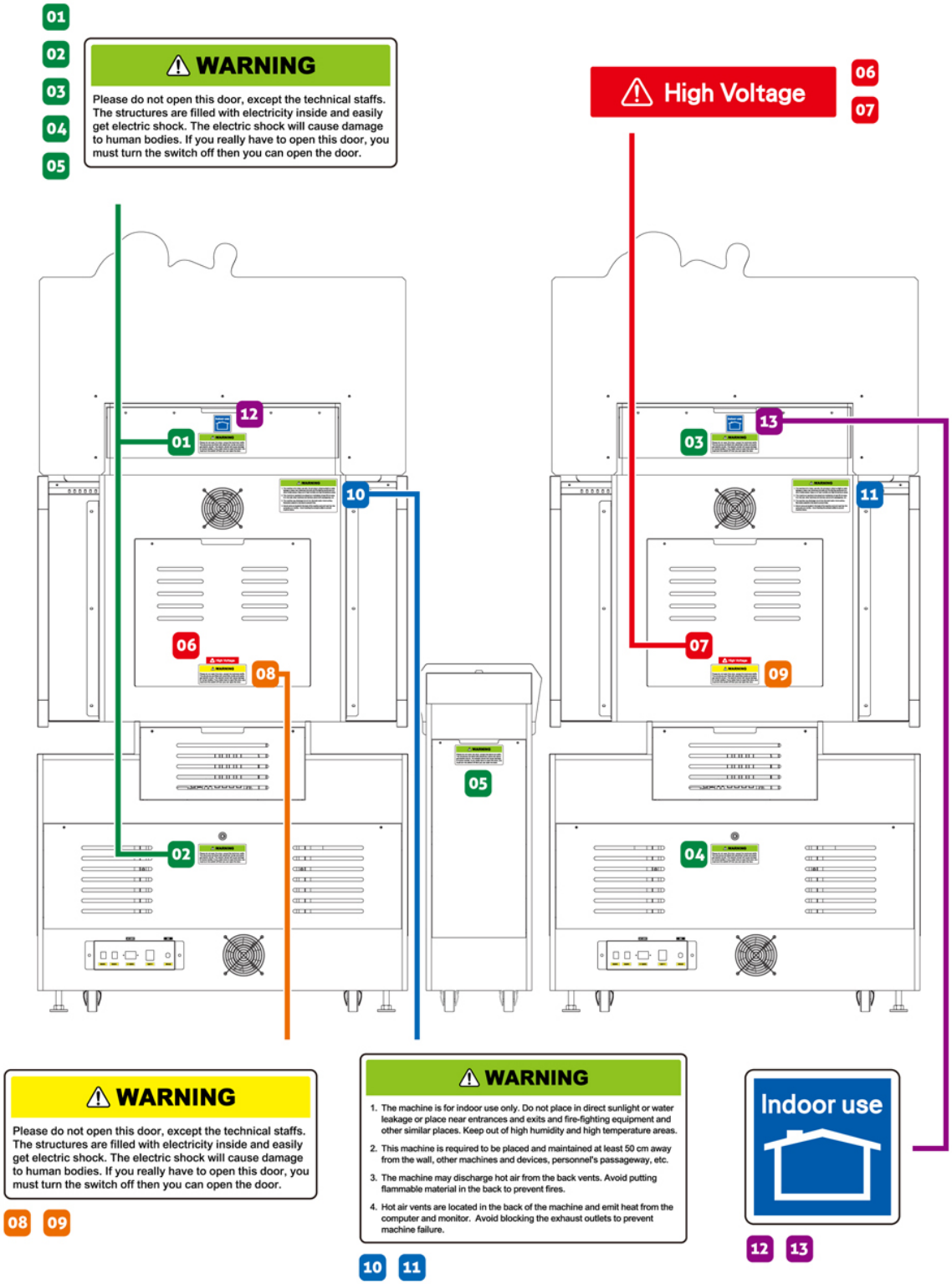
MEMO

7. Troubleshooting

Problem	Solutions
The throttle, brakes or the tilt axis function do not work.	● Enter [Main Menu] > [Hardware Test] > [I/O Test] to run the testing. ● If the testing does not respond, contact your local distributor to replace the corresponding VR.
The button on the oil tank does not respond.	● Enter [Main Menu] > [Hardware Test] > [I/O Test] to detect any wrongly-functioning button. ● If the testing does not respond, follow the instructions of <6.3.11 Replacing the button/ light of the oil tank> to dissemble the cap of the oil tank and check if plugs are coming off. ● If this problem persists, contact your local distributor to replace parts.
One of the speakers does not produce sound.	● Check if the plugs between speakers and power amplifier are coming off. ● If this problem persists, contact your local distributor to replace parts.
The light of the button on the oil tank is not on.	● Enter [Main Menu] > [Hardware Test] > [Lamp Test], and run the testing of wrongly-functioning lights. ● If lights do not respond, follow the instruction of <6.3.9 Replacing the button/ light of the oil tank > to dissemble the cap of the oil tank and check if plugs are coming off. ● If this problem persists, contact your local distributor to replace parts.
The light of the rear light is not on.	● Enter [Main Menu] > [Hardware Test] > [Lamp Test], and run the testing of wrongly-functioning lights. ● If lights do not respond, follow the instruction of <6.3.12 Replacing the circuit board of the rear light > to dissemble the cap and check if plugs are coming off. ● If this problem persists, contact your local distributor to replace the circuit board of the rear light.

The sensor on the oil tank does not respond.	● Enter [Main Menu] > [Hardware Test] > [I/O Test] to run the testing. ● If no testing results pop out, follow the instruction of <6.3.12 Replacing the circuit board of the motion sensor on the oil tank > to dissemble the cap and check if plugs are coming off. ● If this problem persists, contact your local distributor to replace the circuit board of the sensor.
The screen appears blank after power is being turned on.	● Check if the plugs between the cabinet and screen are well connected, and whether DVI connectors on both sides are coming off. ● Check if the cabinet is plugged into the port of the video card. ● If this problem persists, contact your local distributor.
The speakers do not produce sound.	● Open the maintenance door of the cash box, and check if the master volume is adjusted to its minimum value. ● Open the maintenance door of the cabinet, and check if the volume of the power amplifier is adjusted to its minimum value. ● Check if the power of power amplifier is turned on. ● Check if the audio cable connected the power amplifier and cabinet is coming off.

Appendix 1: warning labels of the cabinet (the back of the cabinet is shown below)



Appendix 2: the wiring diagram of the cabinet

- the left front of the cabinet
- the right front of the cabinet
- the wiring diagram of the cabinet
- the wiring diagram of the cash box

请在此页插入四页配线图(档名:SPEED RIDER CHAMPIONSHIP 110V 英文版本A.4.pdf)

尺寸大小为A3

(此页印刷时请删除)

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