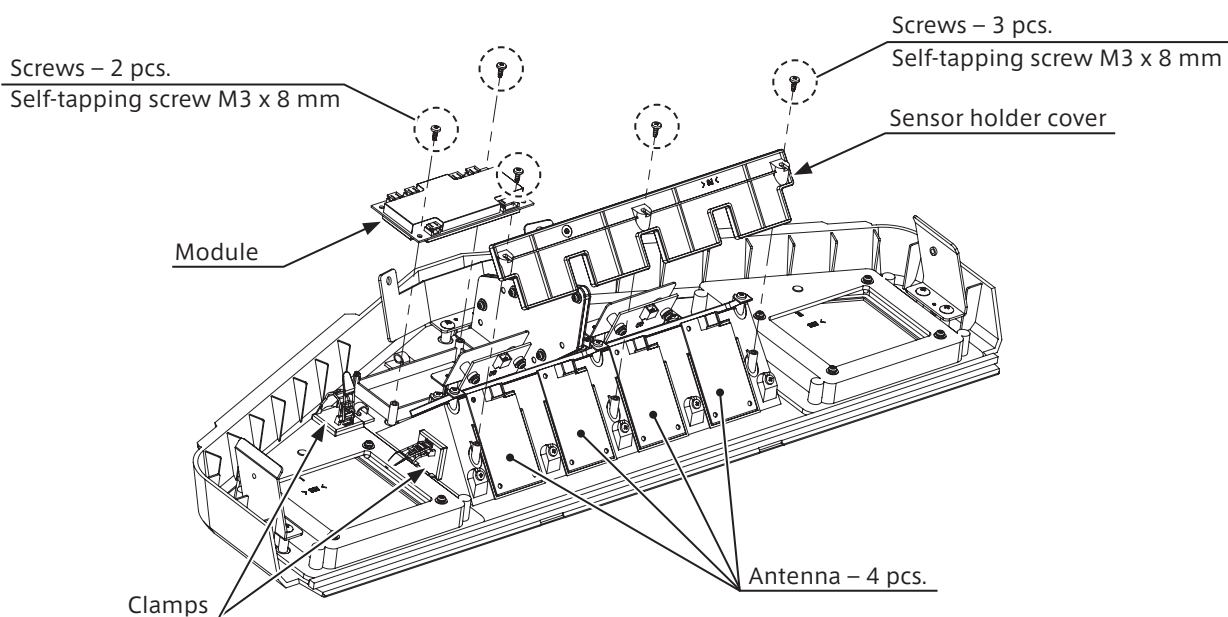Remove the three screws and remove the sensor holder cover. Disconnect the connector of the wiring of the module. After removing the two screws and the clamp that secures the wiring, remove the module and antenna. Replace them with new module and antenna, and reassemble them in the reverse order.
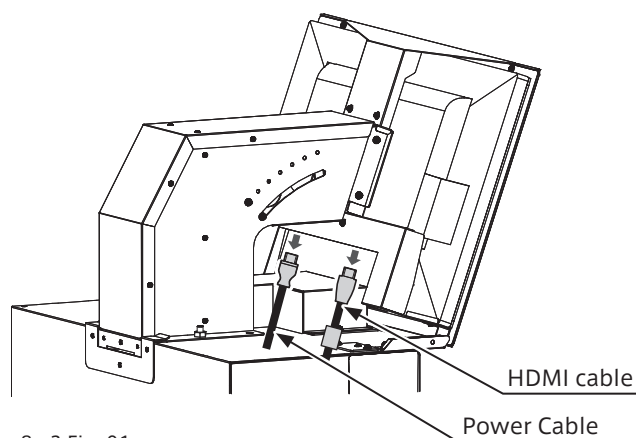
Screws – 3 pcs.
Self-tapping screw M3 x 8 mm

Screws – 2 pcs.
Self-tapping screw M3 x 8 mm

Sensor holder cover

Module

Antenna – 4 pcs.

Clamps

8 - 2 Fig. 04

8 - 3 Replacing Upper Monitor

STEP 1

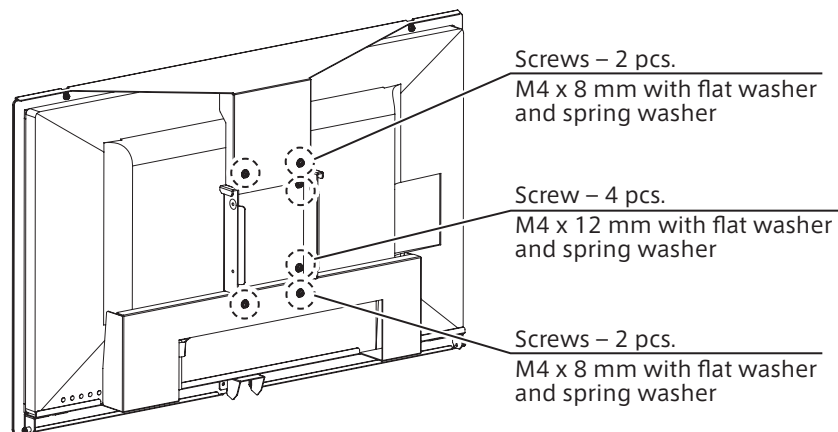Turn "OFF" the power switch and disconnect the power cable and HDMI cable from the upper monitor.

HDMI cable
Power Cable

8 - 3 Fig. 01

STEP 2

Remove the four screws securing the center part of the upper monitor and the stand. Remove the upper monitor upward.
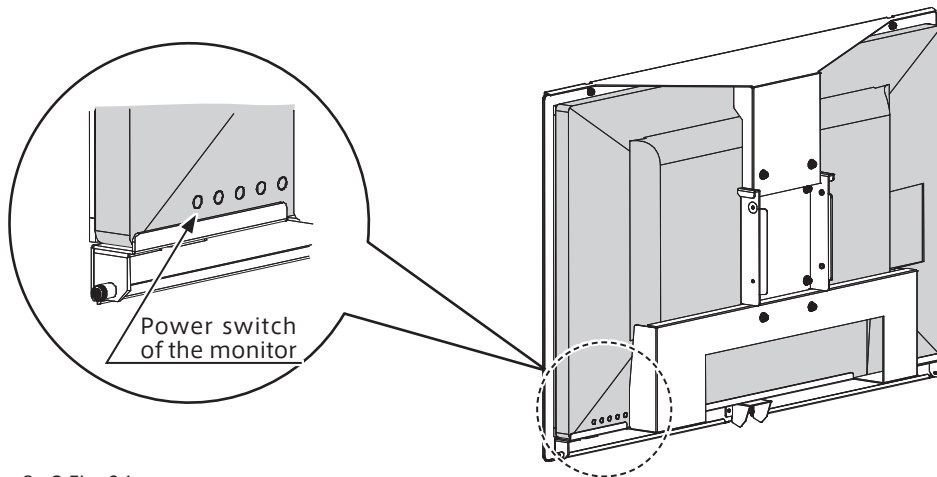
Upper monitor

Screw – 4 pcs.
M4 x 8 mm with flat washer and spring washer

8 - 3 Fig. 02

STEP 3

Remove the six screws and remove the monitor.

Screws – 2 pcs.
M4 x 8 mm with flat washer and spring washer

Screw – 4 pcs.
M4 x 12 mm with flat washer and spring washer

Screws – 2 pcs.
M4 x 8 mm with flat washer and spring washer

8 - 3 Fig. 03

Reassemble the upper monitor in reverse order. As soon as you turn "ON" the power switch on the main unit, press the power switch (the leftmost switch) on the monitor.

Power switch
of the monitor

8 - 3 Fig. 04

STOP **IMPORTANT**

● If you are using a different type of monitor than the one described above, please check the work procedure from the "Product Support Page" below.
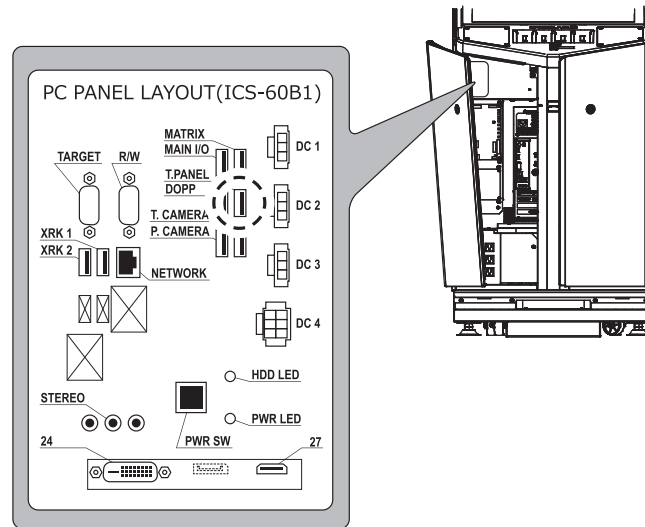
http://www.dartslive.jp/info/support/

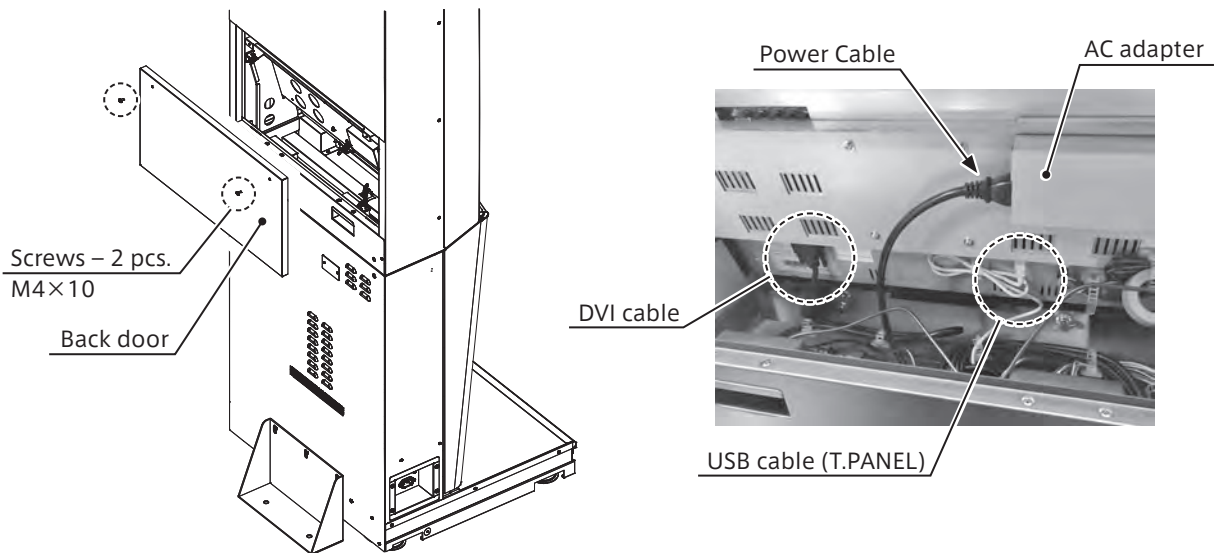## 8 - 4 Replacing Lower Touch Screen Monitor

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.

PC PANEL LAYOUT(ICS-60B1)

TARGET   R/W

MATRIX MAIN I/O   DC 1

T.PANEL DOPP   DC 2

T. CAMERA
P. CAMERA

XRK 1
XRK 2

NETWORK   DC 3

DC 4

HDD LED

STEREO   PWR LED

24   PWR SW   27

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 DVI cable connected to the touch panel monitor.
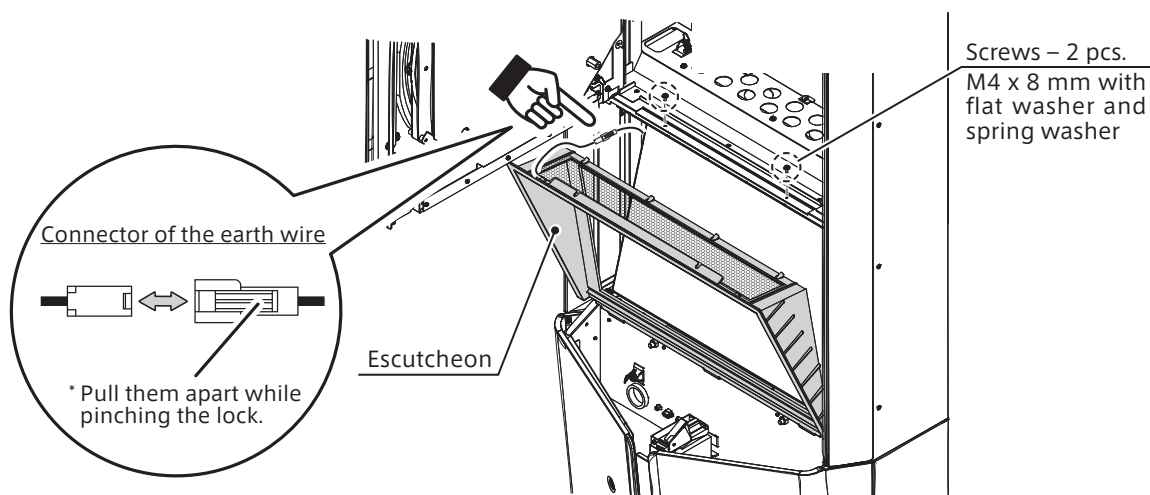

Screws – 2 pcs.
M4×10

Back door

Power Cable   AC adapter

DVI cable

USB cable (T.PANEL)

8 - 4 Fig. 02

STEP 3

Refer to "8-2 Replacing Card Reader Sensor" and dismount the control panel.
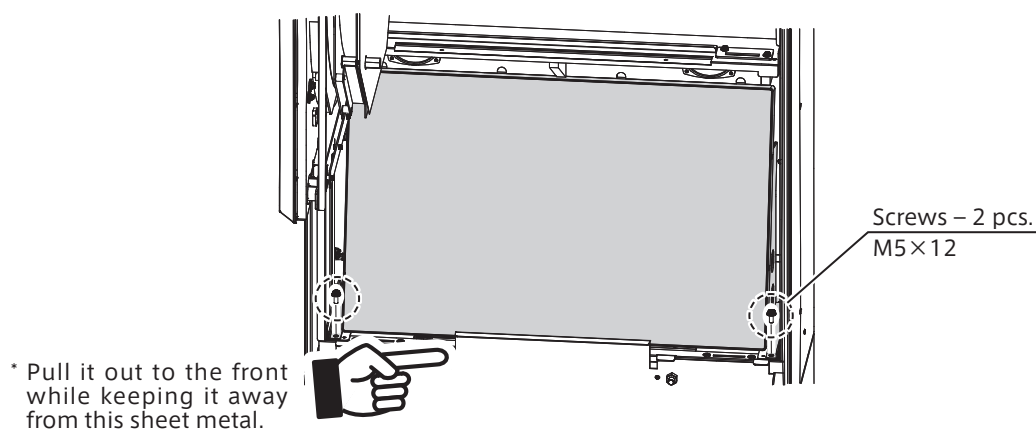
STEP 4

Remove the two screws at the top of the escutcheon, and slowly lift the escutcheon diagonally upward. Disconnect the connector of the earth wire, and remove the escutcheon.

Screws – 2 pcs.
M4 x 8 mm with flat washer and spring washer

Connector of the earth wire

* Pull them apart while pinching the lock.

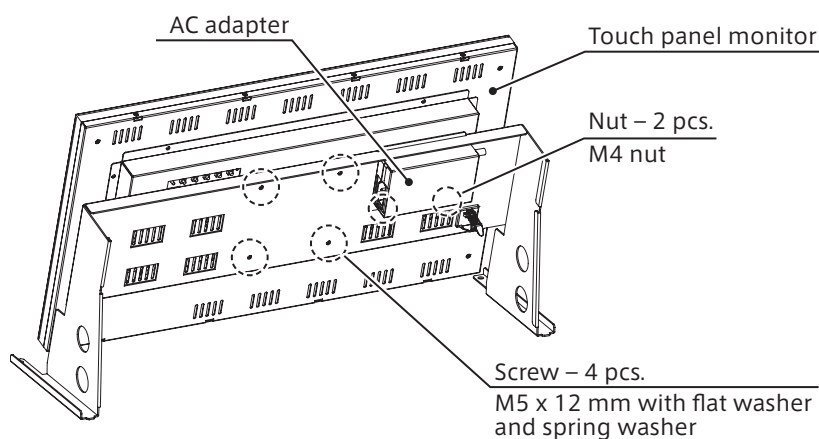Escutcheon

8 - 4 Fig. 03

STEP 5

Remove the two screws. Pull out the touch screen monitor, keeping it away from the sheet metal in front. If you have not been able to work from the back to perform STEP2, do that now. In that case, work with two or more persons.

Screws – 2 pcs.
M5×12

* Pull it out to the front while keeping it away from this sheet metal.

8 - 4 Fig. 04

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.

AC adapter

Touch panel monitor

Nut – 2 pcs.
M4 nut

Screw – 4 pcs.
M5 x 12 mm with flat washer
and spring washer

8 - 4 Fig. 05

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

(There are some units such as those for China, which were manufactured on specification without coin selector.)

Addressing coin jamming

If a coin did not return by pressing the return button, open the lower door (R) and dismount the coin selector. Remove the coin stuck in the gate. Insert a normal coin and check that the selector works correctly.

Cleaning coin selector

Clean the coin selector every three months. Follow the procedure below for cleaning.

(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.

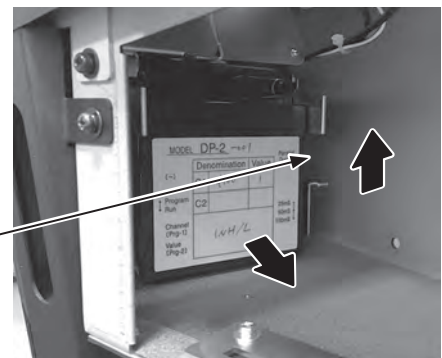### ■ 8 - 5 - 1 Cleaning and replacing the coin selector

STEP 1
Turn "OFF" the power switch. Unlock and open the lower door (R) with the coin chute key.

STEP 2
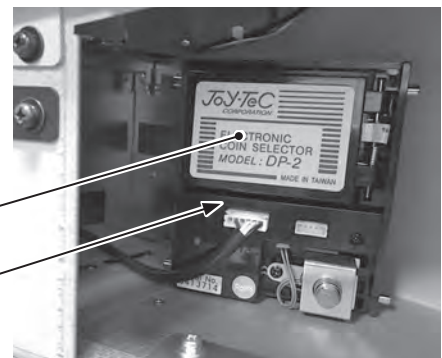Pull out the coin selector while raising the lever.

Lever

8 - 5 Fig. 01

STEP 3
Disconnect the connector connected to the back and dismount the coin selector. Then, open the gate and perform cleaning. Replace it if it malfunctions.

Gate

Connector
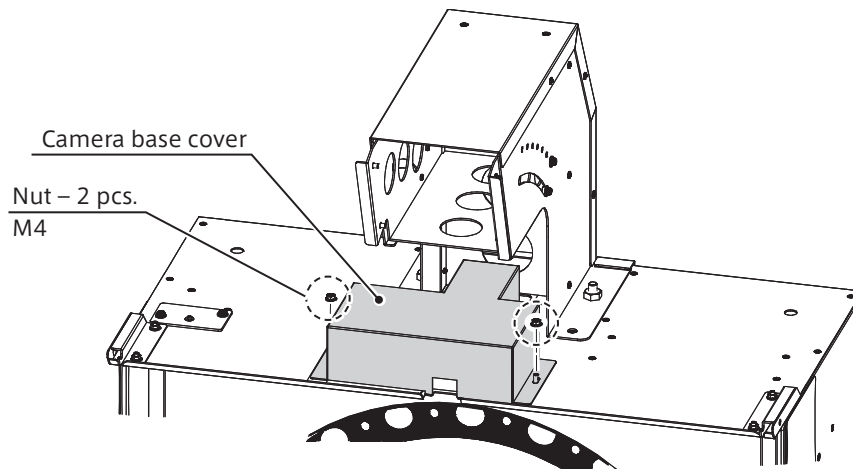
8 - 5 Fig. 02

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?

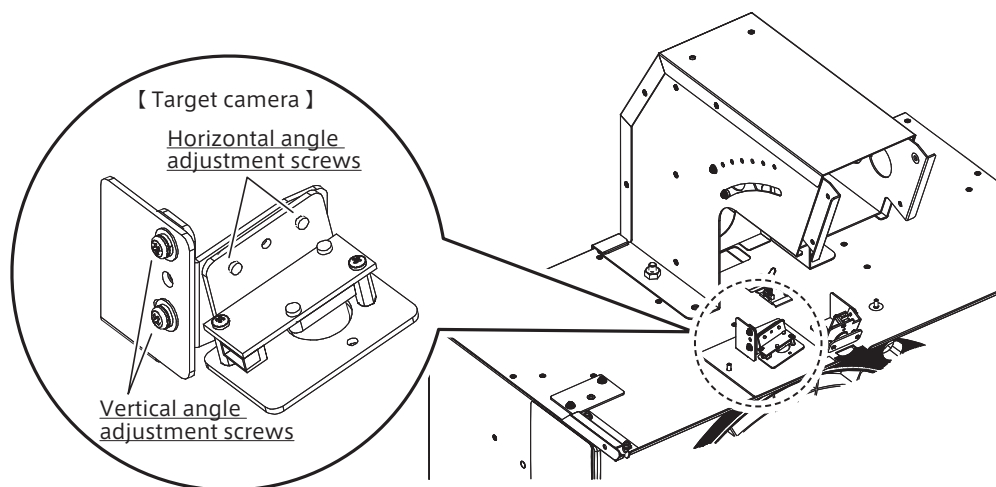## 8 - 6 Adjusting Target Camera

STEP 1

Turn "OFF" the power switch. Refer to "8-3 Replacing Upper Monitor" and disconnect the power cable and HDMI cable from the upper monitor. Remove the two nuts and dismount the camera base cover.

Camera base cover

Nut – 2 pcs.
M4

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.

【 Target camera 】

Horizontal angle adjustment screws

Vertical angle adjustment screws

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
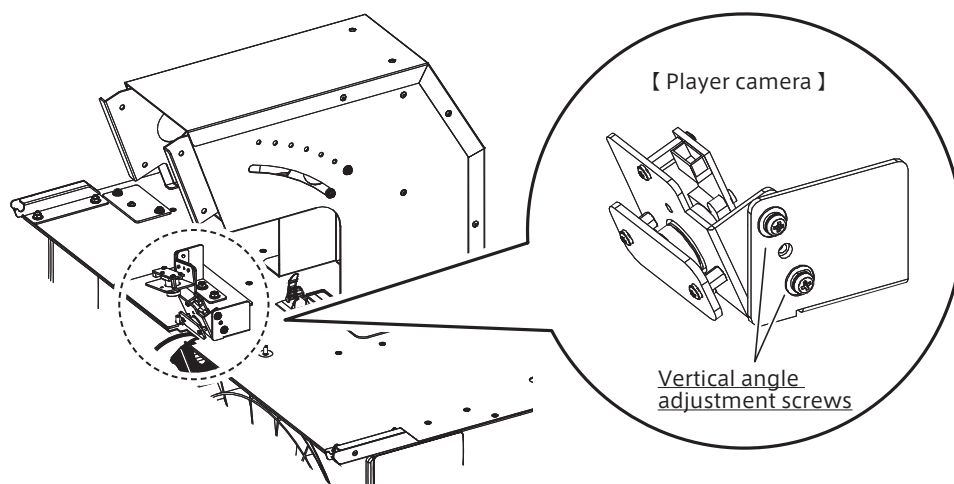
STEP 1   Refer to "8-6 Adjusting Target Camera" and remove the camera base cover.

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.

【 Player camera 】

Vertical angle adjustment screws
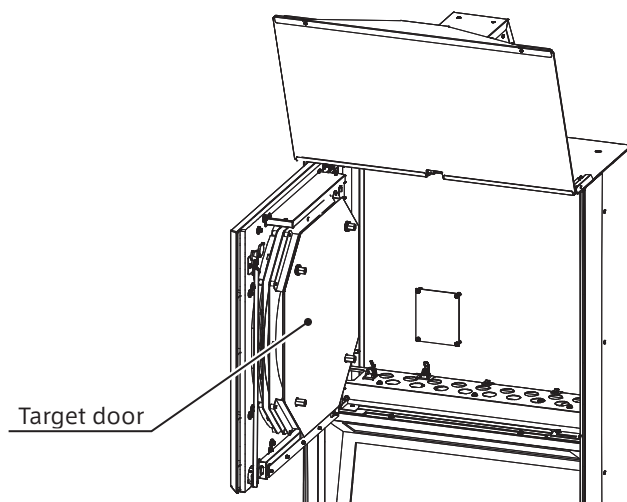
8 - 7 Fig. 01

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.

STEP 1

Turn "OFF" the power switch. Open the target door with the maintenance key.
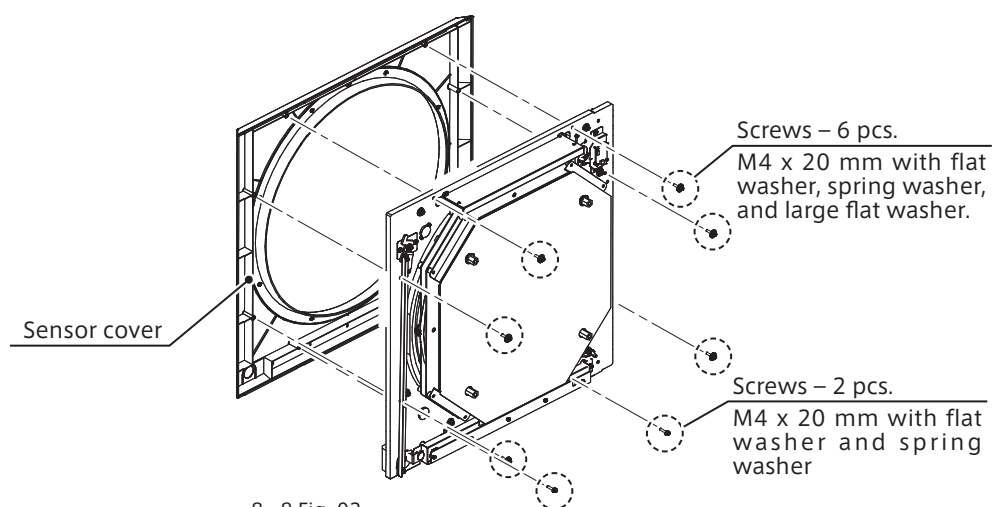
Target door

8 - 8 Fig. 01

STEP 2

Remove the eight screws from the sensor cover from back of the target door. While doing this, hold the sensor cover firmly to avoid dropping it.
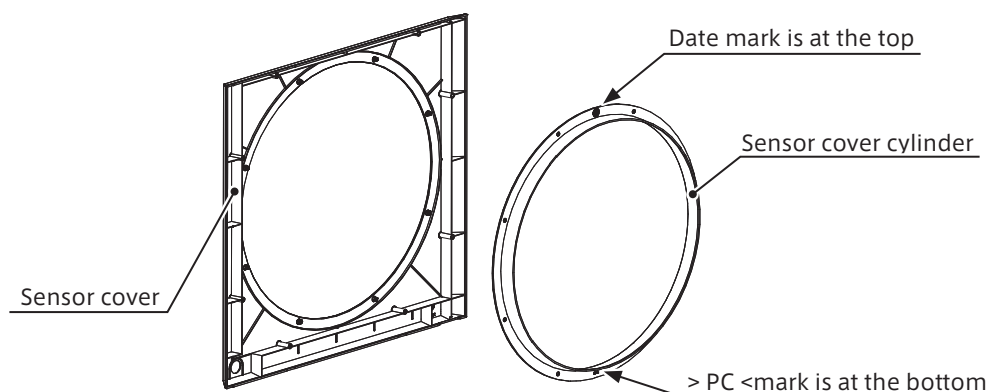
Screws – 6 pcs.
M4 x 20 mm with flat washer, spring washer, and large flat washer.

Sensor cover

Screws – 2 pcs.
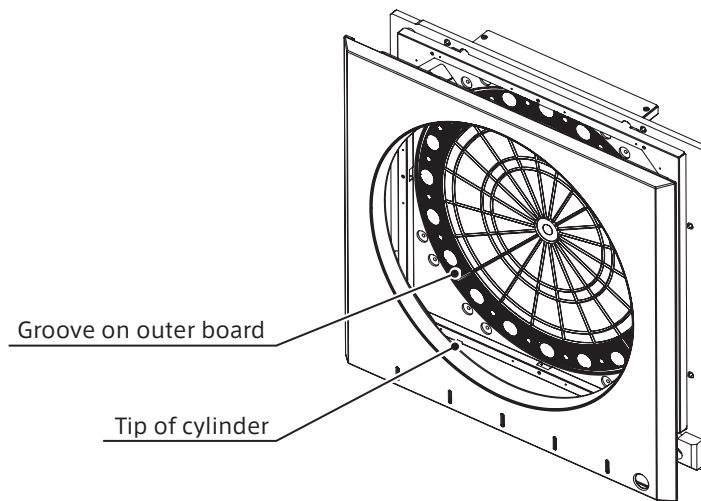M4 x 20 mm with flat washer and spring washer

8 - 8 Fig. 02

STEP 3

The sensor cover cylinder is fixed to the sensor cover with double-sided tape. Peel off and replace it. When replacing, mount the sensor cover cylinder so that the date mark is at the top.

Date mark is at the top

Sensor cover cylinder

Sensor cover

> PC <mark is at the bottom

8 - 8 Fig. 03

STEP 4

When you have completed the replacement, reassemble them in the reverse order. When reassembling them, make sure that the tip of the cylinder fits securely into the groove on the outer board.
The target sensor may not work if it is lifted from the groove or gets on the outer board.

Groove on outer board

Tip of cylinder

8 - 8 Fig. 04

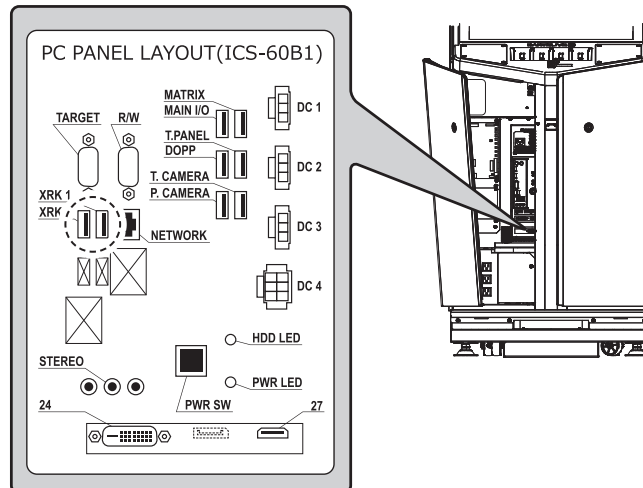## 8 - 9 Replacing Target Sensor

STEP 1

Turn "OFF" the power switch. Open the lower door (L) with the maintenance key.

STEP 2

Disconnect the two USB cables (XRK1 and XRK2) connected to the PC unit. Remove them from the clamp and pull up to the target sensor.

PC PANEL LAYOUT(ICS-60B1)
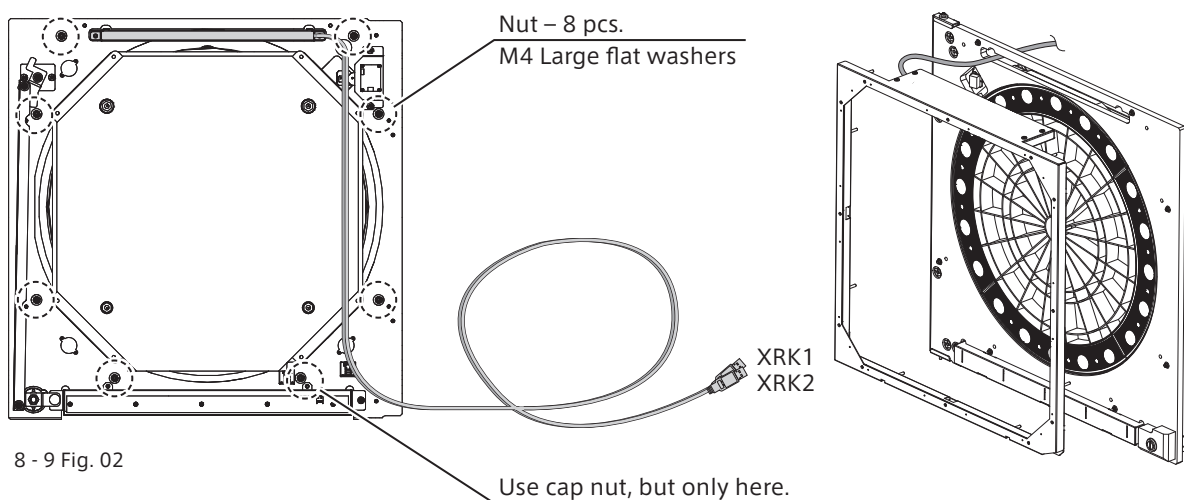
8 - 9 Fig. 01

STEP 3

Refer to "8-8 Replacing Sensor Cover and Sensor Cover Cylinder" and remove the sensor cover.

STEP 4

Remove the eight nuts fixing the target sensor from back of the target door. Remove the target sensor to the front, and replace it. When you have completed the replacement, reassemble them in the reverse order. When reassembling them, be careful not to overtighten the nuts.

Nut – 8 pcs.
M4 Large flat washers

XRK1
XRK2

8 - 9 Fig. 02

Use cap nut, but only here.