prox
PROTECH Group

KS-M320

Quick Reference Guide

KDS

Cashless Ordering Kiosk

Ver. Q2

Packing Checklist

If you discover any of the items below are damaged or lost, please contact your vendor immediately.

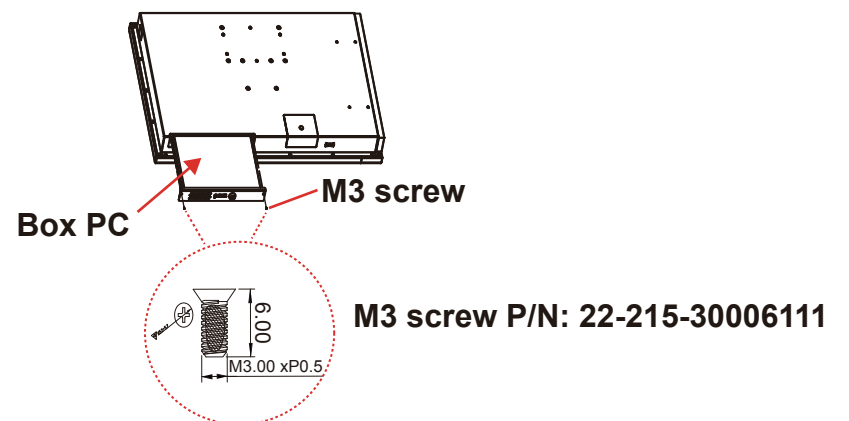|		
☑	KS-M320	x 1
☑	This Quick Reference Guide	x 1
☑	AC Power Adaptor	x 1
☑	Manual/Driver DVD	x 1
☑	Door Key	x 2

Specifications

System

CPU	**High-End:** Intel® Core™ i5-7300U / Intel® Core™i3-7100U / Pentium® 4415U / **Entry Level:** Intel® Celeron® J3455 CPU
Memory Support	**High-End:** 1 x DDR4 SO-DIMM slot (Default: 4GB) **Entry Level:** 1 x DDR3L SO-DIMM slot(Default: 8GB)(non-ECC)
Storage	1 x 2.5" SATA HDD (Default: 500GB)
Network	2 x Gigabit 10/100/1000 Base-T Fast Ethernet (RJ45)
Power Supply	100-240V available
System Weight	**KDS:** 20.7kg / **Cashless Ordering Kiosk:** 62.9kg
Dimensions (WxHxD)	**KDS:** 488 x 800 x 81mm **Cashless Ordering Kiosk:** 500 x 1810 x 165mm
Operating System	Windows 10
Speaker	2 x 4W Speaker
LED Indicator	1 x Green LED for Power On indication (on PPC front)
EMC & Safety	CE / FCC

Operating Display

LCD	32" TFT LCD
Max. Resolution	FHD 1920 x 1080
Brightness	400 cd/m²
Touchscreen	Projected capacitive touch (USB interface)
Viewing Angle	Horizontal: (R) 89°/ (L) 89° / Vertical: (U) 89°/ (D) 89°

External I/O Ports

SATA/HDD Power	SATA/HDD power to external I/O with tray
Power On/Off	Power Button on I/O
System Fan Power	System fan power connector on I/O

Add-ons (optional)

Face Camera	2.1M FHD Camera
Barcode Scanner	1D / 2D Barcode
Thermal Printer	2" or 3" Standalone Thermal printer for 80mm paper roll w/ paper near end/Resolution 203dpi Printing Speed:170mm/s
Wi-Fi Module	Dual-band (2.4/5GHz) 802.11a/b/g/n 2Tx/2Rx WiFi PCIe Half-Mini Card

Environment

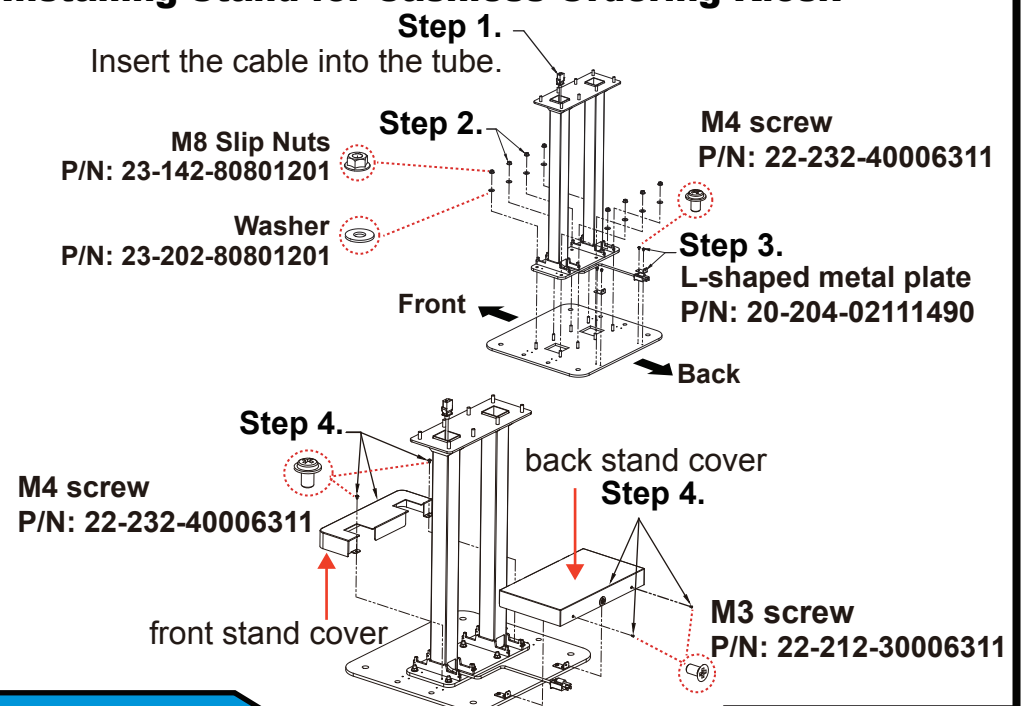|	
Temperature & Humidity	Operating: 5°C ~ 35°C (41°F ~ 95°F); Humidity: 20~85% Storage: 0°C ~ 60°C (32°F ~ 140°F); Humidity: 20~85%

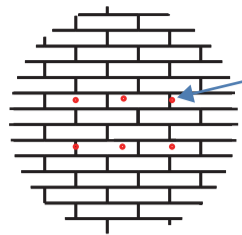
Installation Guide

Installing Box PC

Box PC

M3 screw

M3 screw P/N: 22-215-30006111

M3.00 xP0.5

Installing Stand for Cashless Ordering Kiosk

Step 1.
Insert the cable into the tube.

Step 2.

M8 Slip Nuts
P/N: 23-142-80801201

Washer
P/N: 23-202-80801201

M4 screw
P/N: 22-232-40006311

Front

Step 3.
L-shaped metal plate
P/N: 20-204-02111490

Back

Step 4.

M4 screw
P/N: 22-232-40006311

back stand cover

Step 4.

front stand cover

M3 screw
P/N: 22-212-30006311

Installing Wall Mount for KDS Horizontally and Vertically

Step 1.

Step 2.

∅8mm
P/N: 22-000-02000001
Sleeve Anchor 1/4"
37mm
Sleeve Anchor 1/4"

The sleeve part should be hiddened into the wall.

Step 3.

10mm

Step 4-1.

Horizontal Touchscreen

KDS mount bracket-hook

M6 screw
P/N: 22-251-60012011

Step 4-2.

Vertical Touchscreen

M6 screw
P/N: 22-251-60012011

KDS mount bracket-hook

Step 5.

Horizontal Touscreen

Vertical Touchscreen

Step 6.

Step 7.

!

M6 x25mm screw
P/N: 22-225-60025031
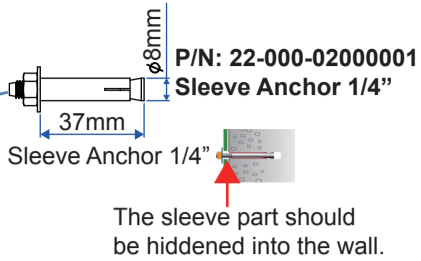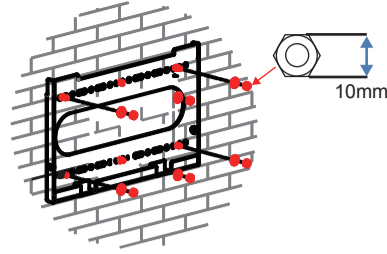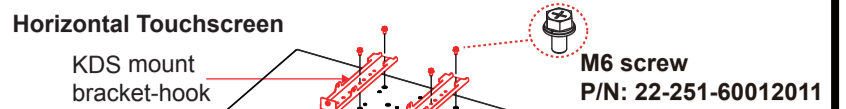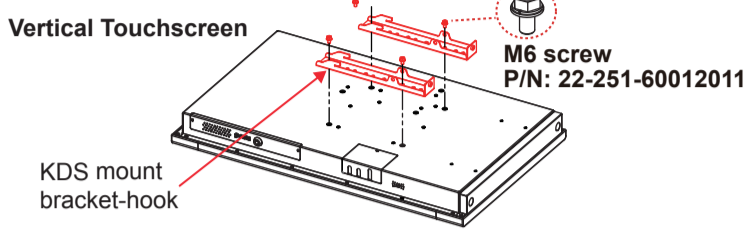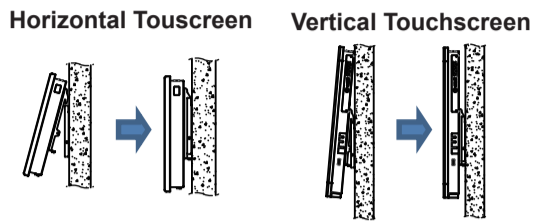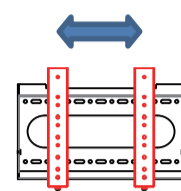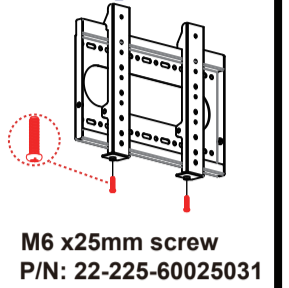
Installing Stand onto Body for Cashless Ordering Kiosk

Step 1.
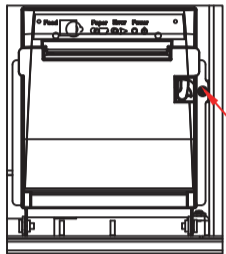
Remov Printer screw and rotate the printer 90 degree.
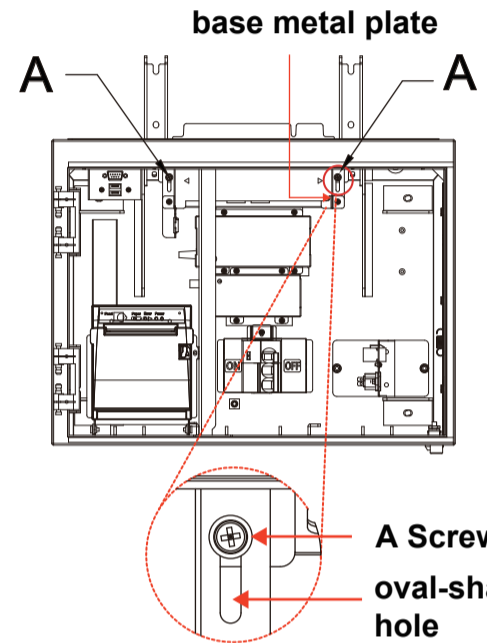
Step 2. Insert Body into Stand.

Step 3. Fasten 8 x M8 slip nuts onto the bottom part of Body.

M8 Slip Nuts P/N: 23-142-80801201
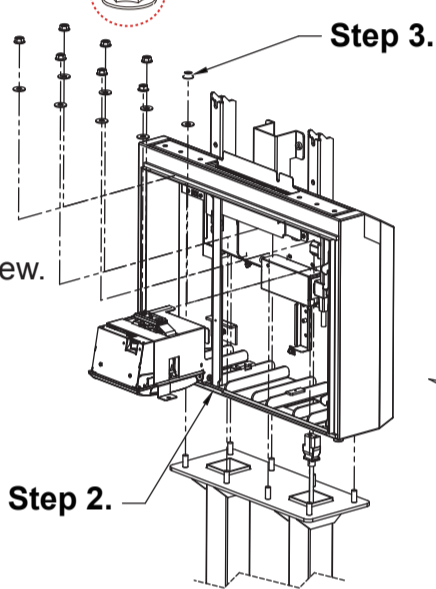
Step 3.

Step 2.

Fasten 8 x M8 slip nuts into the locations as shown.

Step 4.

base metal plate

A — — A

A Screw

oval-shaped hole

Make sure "A" screws are fastened above the oval-shaped hole. (If not, please loosen "A" screws and pull down the base metal plate.)
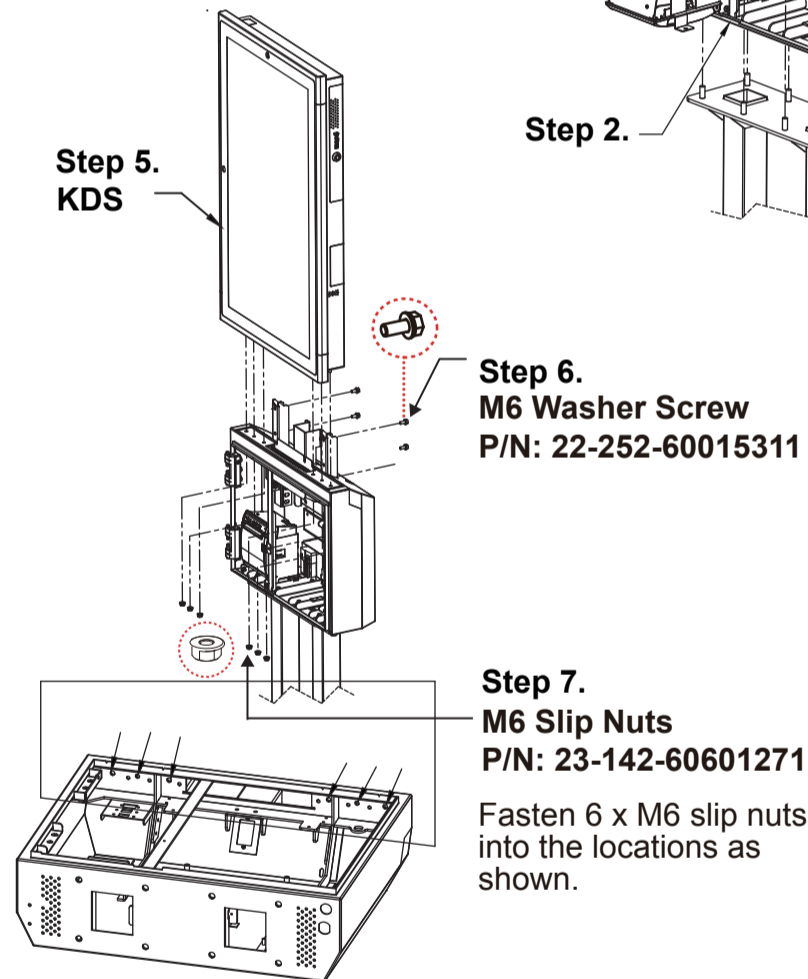
Step 5. Insert KDS.

Step 6. Fasten 4 x M6 waher screw.
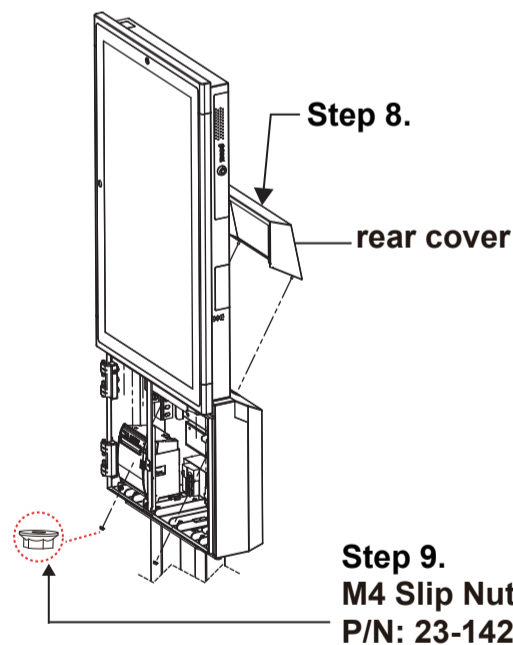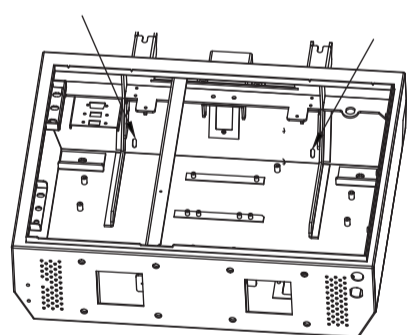
Step 7. Fasten 6 x M6 slip nuts.

Step 5.
KDS

Step 6.
M6 Washer Screw
P/N: 22-252-60015311

Step 7.
M6 Slip Nuts
P/N: 23-142-60601271

Fasten 6 x M6 slip nuts into the locations as shown.

Step 8. Attach on the rear cover.

Step 9. Fasten 2 x M4 Slip Nuts.

Step 8.

rear cover

Fasten 2 x M4 slip nuts into the locations as shown.

Step 9.
M4 Slip Nuts
P/N: 23-142-40450801

Step 10.

Fasten back Printer screw.
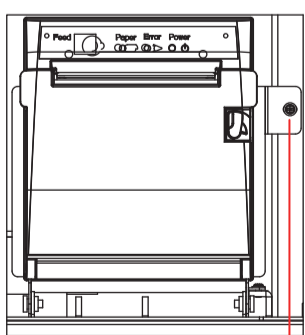
Fasten back Printer screw.

Step 11.

Fasten "A" screws tightly.
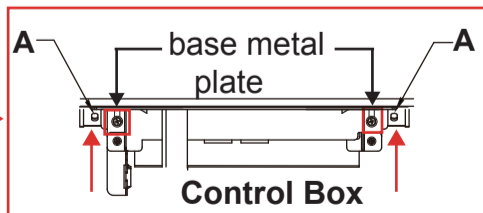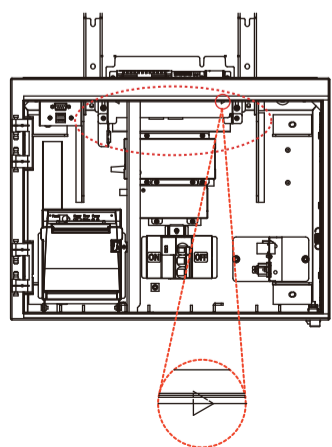
A — base metal plate — A
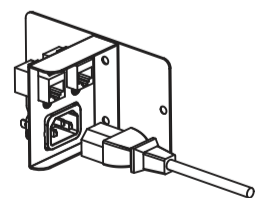
Control Box

Important!!

Push up the base metal plate on both sides of the Control Box as shown and then fasten the "A" screws tightly.
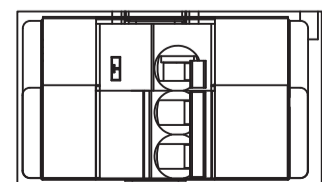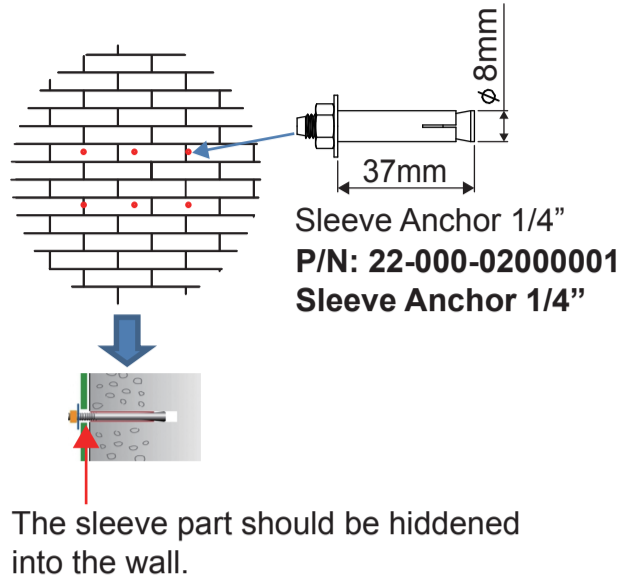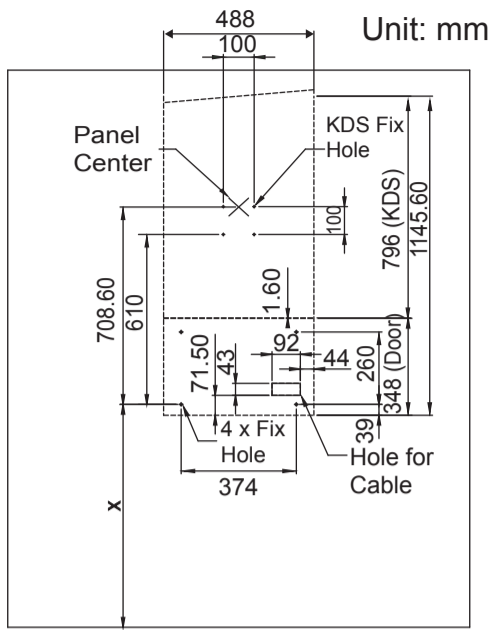
Step 12.

Plug in the AC power cable.

Step 13.

Switch ON the circuit breaker to complete.

Installing Wall Mount for KDS and Body

Step 1.

Unit: mm

488
100
Panel Center
KDS Fix Hole
796 (KDS)
1145.60
100
708.60
610
1.60
71.50
43
92
44
260
348 (Door)
39
4 x Fix Hole
Hole for Cable
374
x

Step 2.

ø 8mm

37mm
Sleeve Anchor 1/4"
P/N: 22-000-02000001
Sleeve Anchor 1/4"

The sleeve part should be hiddened into the wall.
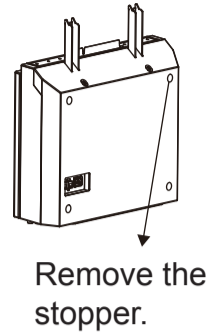
Remove the stopper.

Step 3.

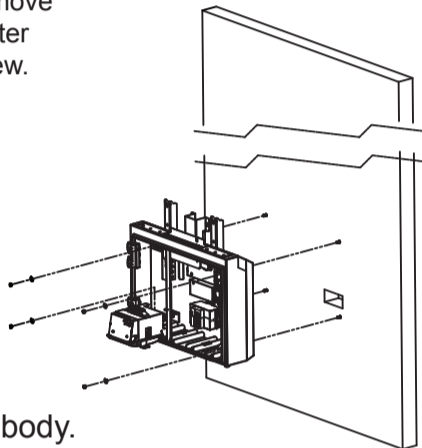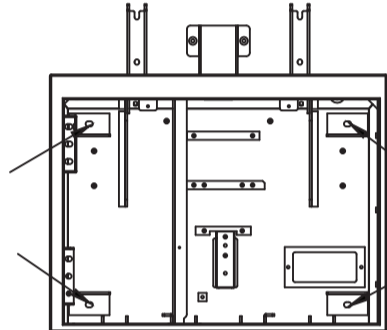A   A

"A" screw
oval-shaped hole
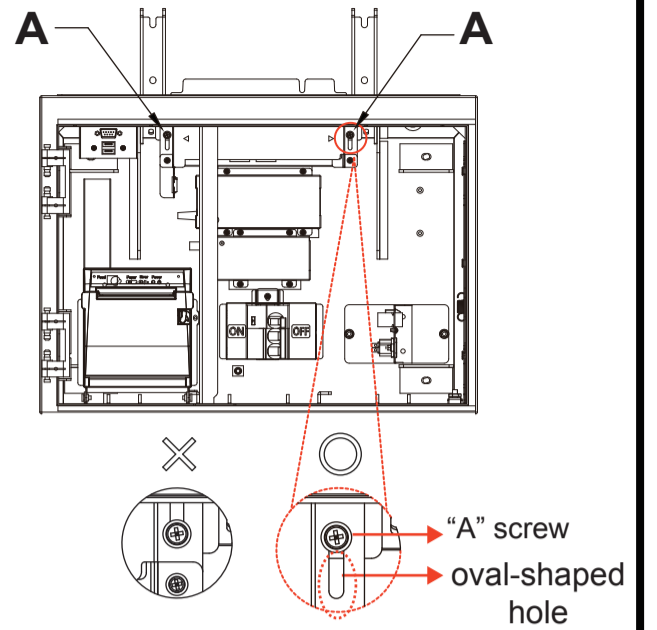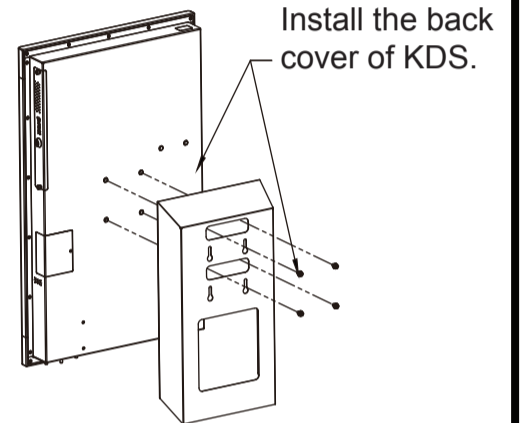
Step 4.
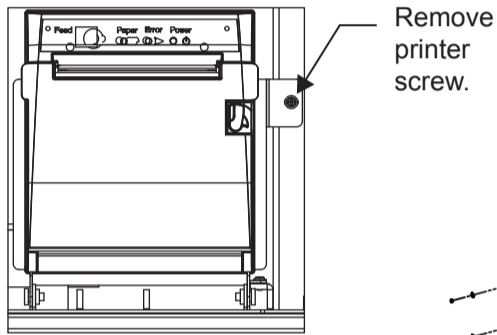
Remove printer screw.

Step 5.

Attach the Body onto the wall.

Step 6.

Install the washers and screw caps to secure the fastened anchor sleeves in the 4 locatios as indicated below:
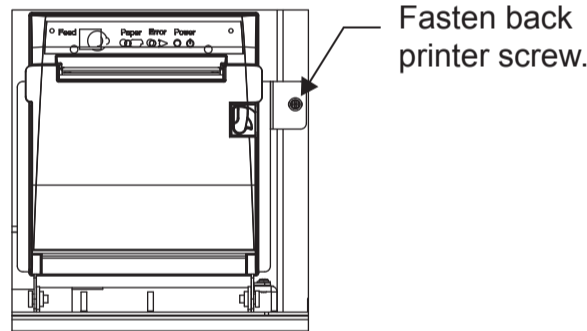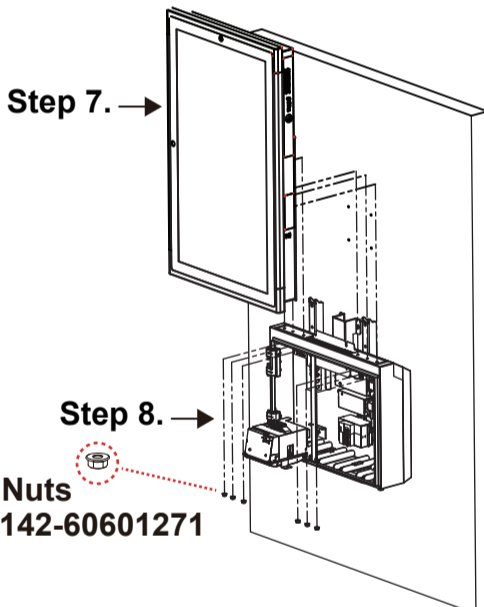
Install the back cover of KDS.

Step 7. Attach KDS onto the body.

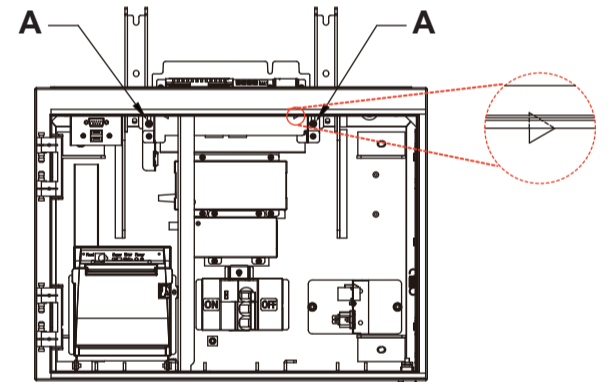## Step 8. Fasten 6 x M6 slip nuts. (P/N: 23-142-60601271).
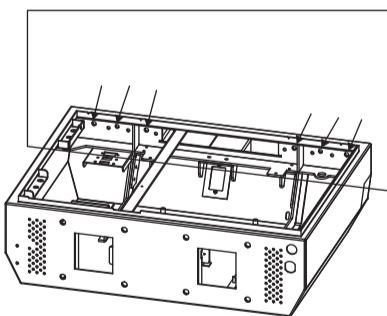
Step 9.

Fasten back printer screw.

Step 10.

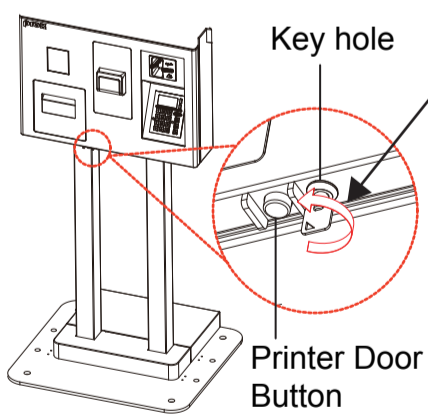See Step 9 of **Installing Stand onto Body for Cashless Ordering Kiosk** section.

A   A

Step 7. →

Step 8. →

M6 Slip Nuts
P/N: 23-142-60601271

Step 8.
Fasten 6 x M6 slip nuts into the locations as indicated:

Installing Printer Paper Roll
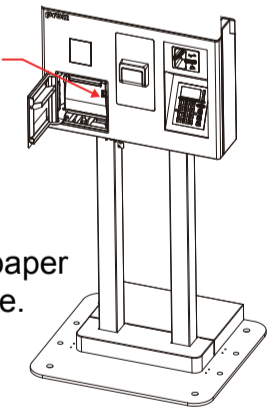
Key hole

Printer Door Button

STEP 1.
Insert and rotate printer key leftwards.

STEP 2.
Press the printer door button.

STEP 3.
Press priner door button inside Printer.

STEP 4.
Install a new paper roll to complete.

Safety Precautions

1. Check the Cable Voltage
 • The range of operating voltage should be AC 100~240V. Otherwise, the system could be damaged.

2. Environmental Conditions
 • Place your KS-M320 on a sturdy, level surface. Be sure to allow enough space to have easy access around the system.
 • Avoid extremely hot or cold place to install the system. Avoid exposure to sunlight for a long period of time or in an airtight space.
 • Avoid the system from any heating device or using KS-M320 when it's been left outdoors in a cold winter day.
 • Bear in mind that the operating ambient temperature is from 5°C ~ 35°C (41°F ~ 95°F).
 • Avoid moving the system rapidly from a hot place to a cold place and vice versa because condensation may come from inside of the system.
 • Placing KS-M320 in strong vibrations may cause hard disk failure. Dont't place the system close to any rado-active device in case of signal interference.

3. Handling
 • If water or other liquid spills into this product, unplug the power cord immediately.
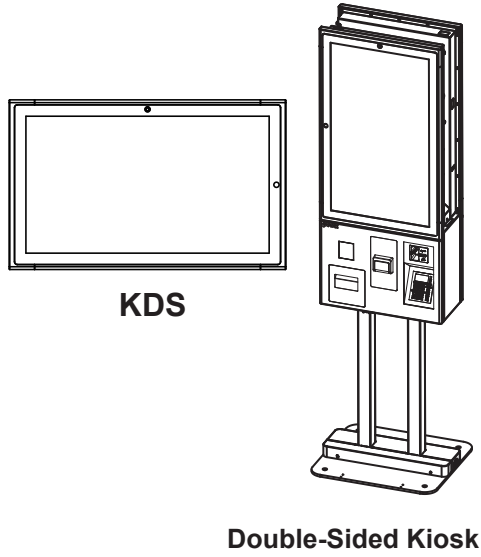
4. Good Care
 • When the outside of the case is stained, remove the stain with a neutral washing agent with a dry cloth.
 • Never use strong agents such as benzene and thinner to clean the system.
 • If heavy stains are present, moisten a cloth with diluted neutral washing agent or with alcohol and then wipe thoroughly with a dry cloth.

CAUTION! Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

WARNING! Some internal parts of the system may have high electrical voltage. And therefore we strongly recommend that qualified engineers can open and disassemble the system. Please handle LCD and Touchscreen with extra care as they are easily breakable.

prox
PROTECH Group

KS-M320

Quick Reference Guide

KDS

Double-Sided Kiosk

Ver. Q2

Packing Checklist

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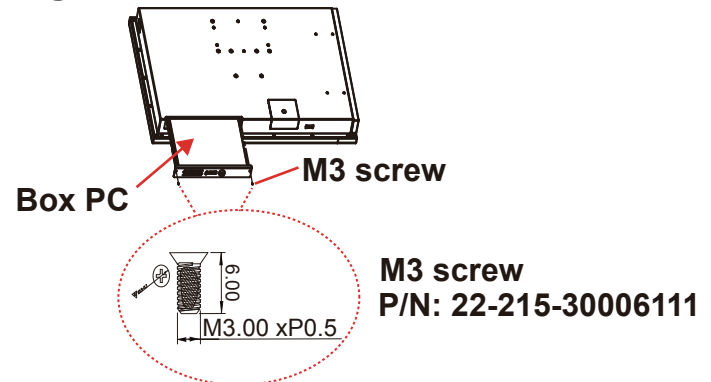| ☑	KS-M320	x 1
☑	This Quick Reference Guide	x 1
☑	AC Power Adaptor	x 1
☑	Manual/Driver DVD	x 1
☑	Door Key	x 2

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EMC & Safety	CE / FCC

Operating Display

LCD	32" TFT LCD
Max. Resolution	FHD 1920 x 1080
Brightness	400 cd/m²
Touchscreen	Projected capacitive touch (USB interface)
Viewing Angle	Horizontal: (R) 89°/ (L) 89° / Vertical: (U) 89°/ (D) 89°

External I/O Ports

SATA/HDD Power	SATA/HDD power to external I/O with tray
Power On/Off	Power Button on I/O
System Fan Power	System fan power connector on I/O

Add-ons (optional)

Face Camera	2.1M FHD Camera
Barcode Scanner	1D / 2D Barcode
Thermal Printer	2" or 3" Standalone Thermal printer for 80mm paper roll w/ paper near end/Resolution 203dpi Printing Speed:170mm/s
Wi-Fi Module	Dual-band (2.4/5GHz) 802.11a/b/g/n 2Tx/2Rx WiFi PCIe Half-Mini Card

Environment

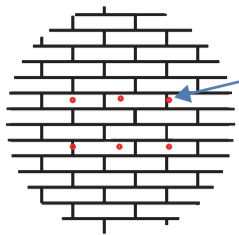|	
Temperature & Humidity	Operating: 5°C ~ 35°C (41°F ~ 95°F); Humidity: 20~85% Storage: 0°C ~ 60°C (32°F ~ 140°F); Humidity: 20~85%

Installation Guide

Installing Box PC

Box PC

M3 screw

M3.00 xP0.5

M3 screw P/N: 22-215-30006111

Installing Stand for Double-Sided Kiosk
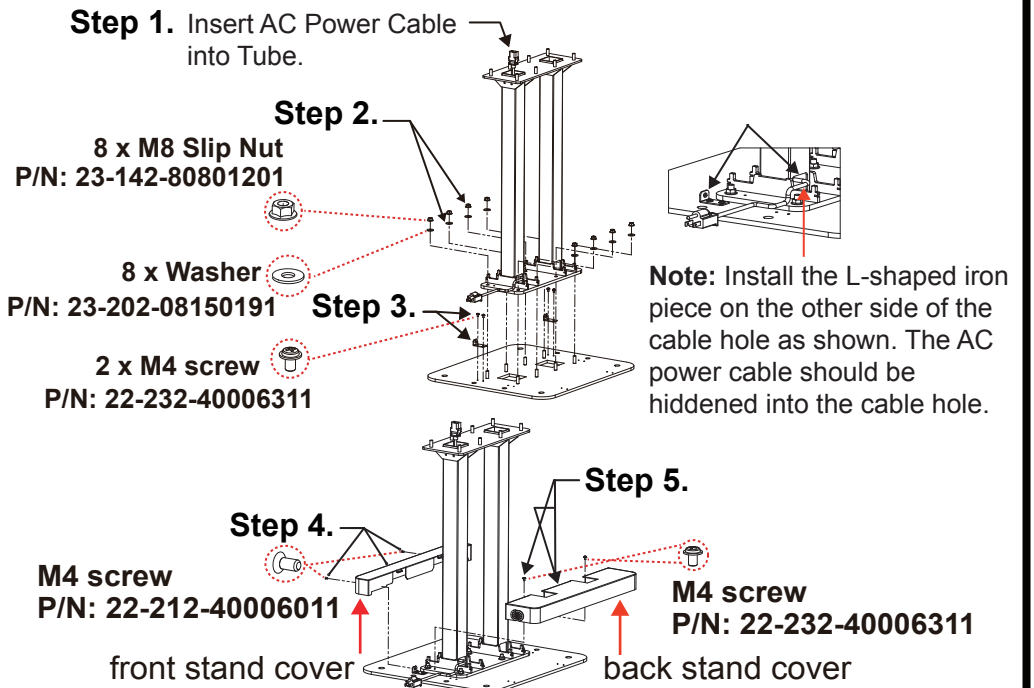
Step 1. Insert AC Power Cable into Tube.

Step 2.

8 x M8 Slip Nut P/N: 23-142-80801201

8 x Washer P/N: 23-202-08150191

Step 3.

2 x M4 screw P/N: 22-232-40006311

Note: Install the L-shaped iron piece on the other side of the cable hole as shown. The AC power cable should be hiddened into the cable hole.

Step 5.

Step 4.

M4 screw P/N: 22-212-40006011

front stand cover

M4 screw P/N: 22-232-40006311

back stand cover

Installing Wall Mount for KDS Horizontally and Vertically

Step 1.

Step 2.

P/N: 22-000-02000001
Sleeve Anchor 1/4"
ø8mm
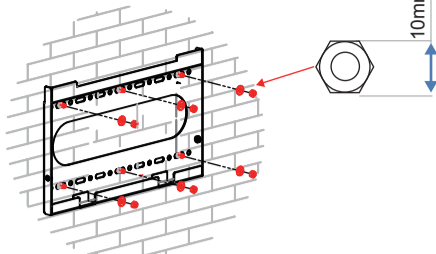37mm

Sleeve Anchor 1/4"

The sleeve part should be hiddened into the wall.

Step 3.

10mm
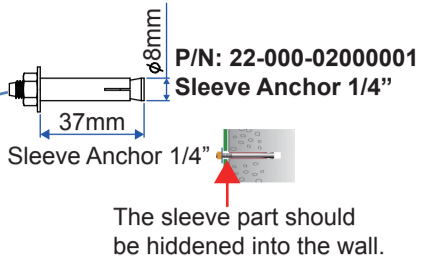
Step 4-1.
Horizontal Touchscreen

KDS mount bracket-hook
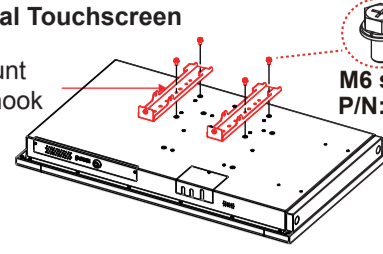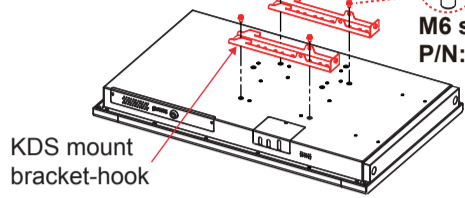
M6 screw
P/N: 22-251-60012011

Step 7.

Step 4-2.
Vertical Touchscreen

M6 screw
P/N: 22-251-60012011

KDS mount bracket-hook
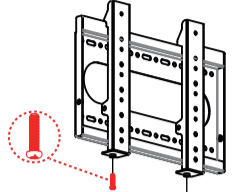
Step 5.

Horizontal Touscreen   Vertical Touchscreen

Step 6.

M6 x25mm screw
P/N: 22-225-60025031
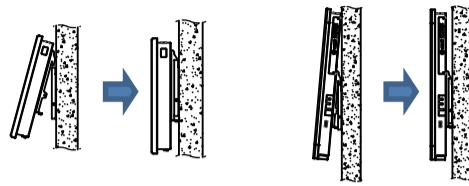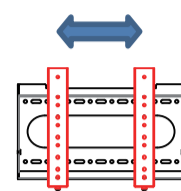
Installing Stand onto Body for Double-Sided Kiosk

Step 1.
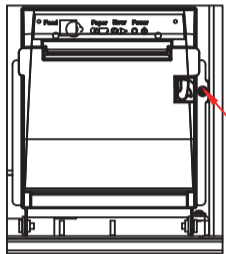
Printer

Remove Printer screw and rotate the printer 90 degree.

Step 2. Insert Body into Stand.

Step 3. Fasten 8 x M8 slip nuts on the inside of Body.

M8 Slip Nuts P/N: 23-142-80801201
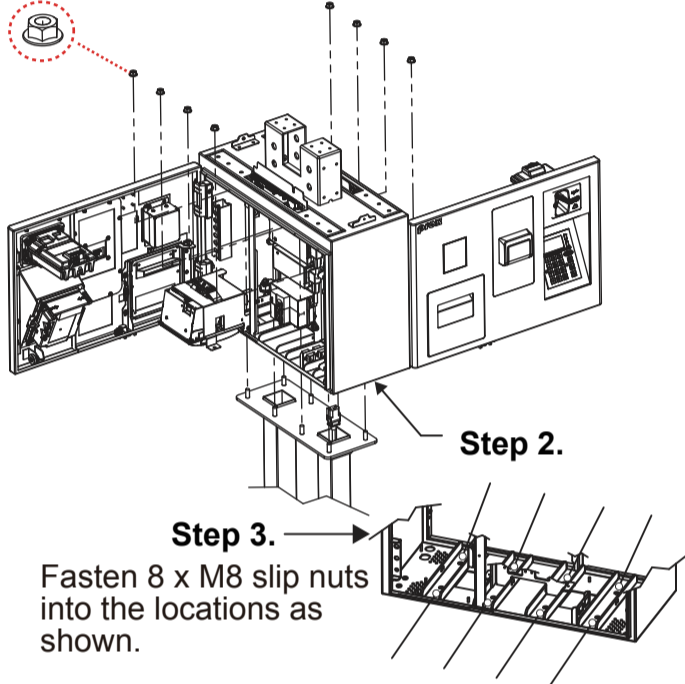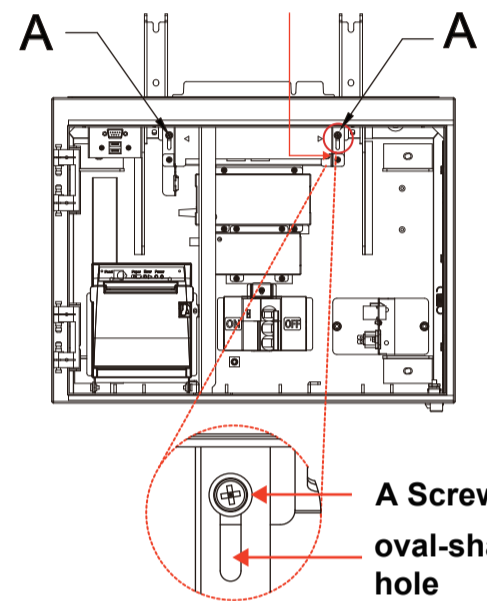
Step 2.

Step 3.
Fasten 8 x M8 slip nuts into the locations as shown.

Step 4.

base metal plate

A   A

A Screw

oval-shaped hole

Make sure "A" screws are fastened above the oval-shaped hole. (If not, please loosen "A" screws and pull down the base metal plate.)

Step 5. Lock Link-L with 2 x M6 screws and Link-R with 2 x M6 screws onto KDS.
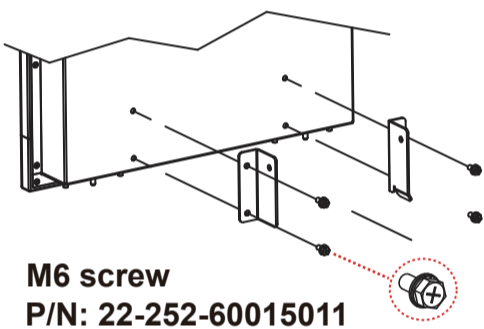
**M6 screw
P/N: 22-252-60015011**

Step 6. Insert 2 x KDS onto Body.

Step 7. Fasten 8 x M6 slip nuts.

Step 8. Fasten 12 x M6 slip nuts.

Step 9. Attach on back cover.

Step 10. Fasten 2 x M6 Slip Nuts into the locations as shown:

Step 9.

**Step 10.
M6 slip nuts
P/N: 22-212-30006311**

Step 11. Fasten "A" screws tightly.
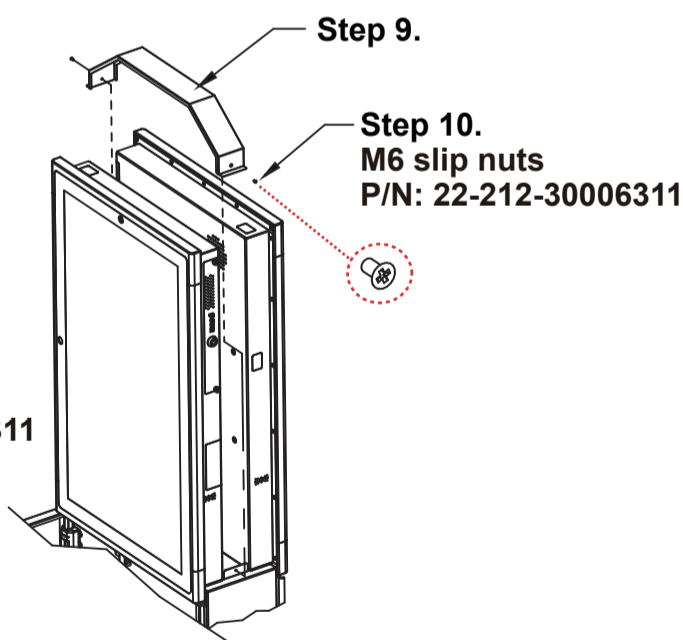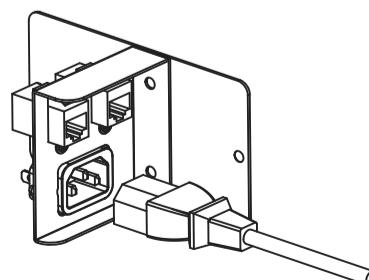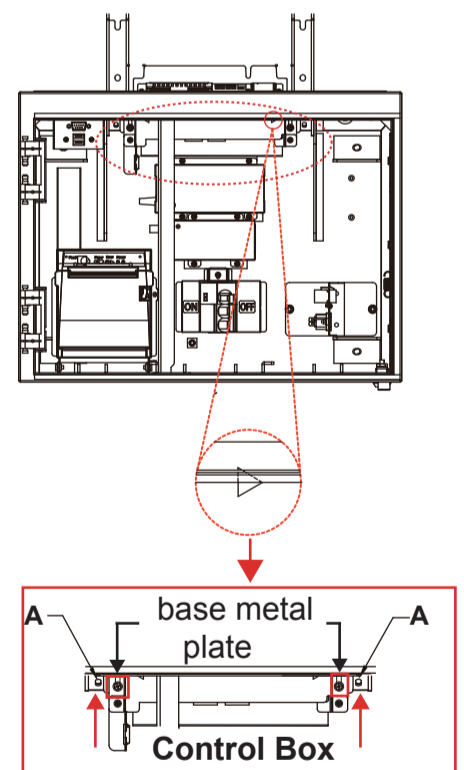
**Step 6.
Insert KDS.**

**Step 7.
8 x M6 slip nut
P/N: 22-252-60015311**

**Step 8.
12 x M6 slip nut
P/N: 23-142-60601271**

Fasten 12 x M6 slip nuts into the locations as shown.

Step 12.
Plug in the AC power cable.

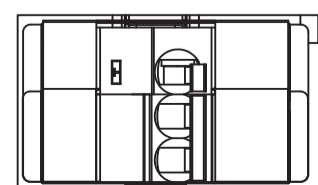A   base metal plate   A

Control Box

Important!!

Push up the base metal plate on both sides of the Control Box as shown and then fasten the "A" screws tightly.

Step 13.
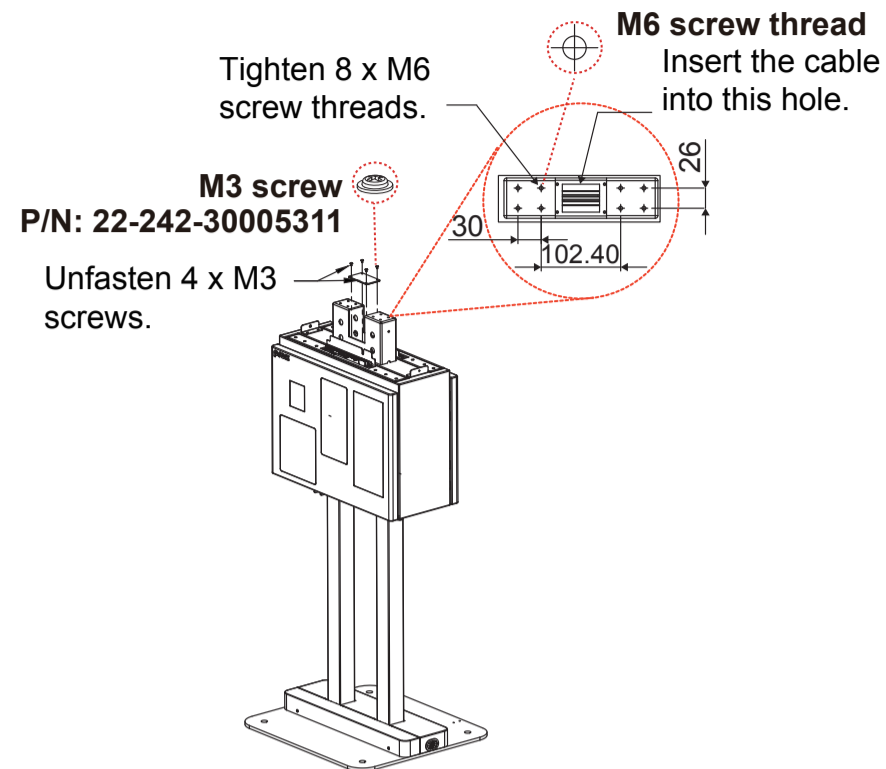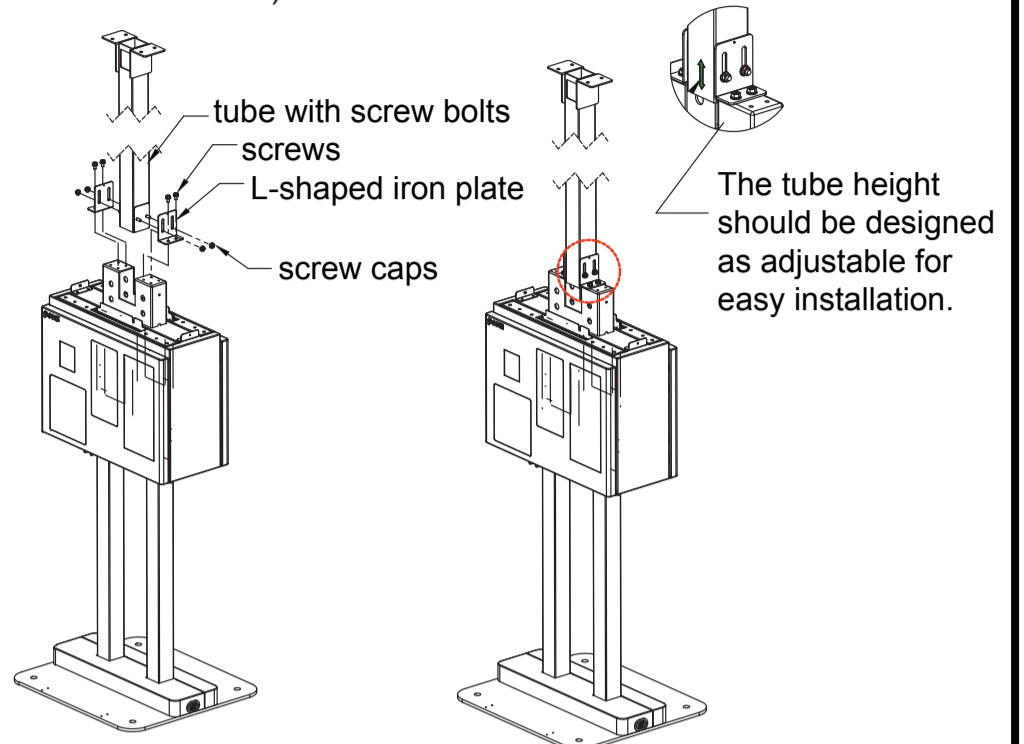Switch ON the circuit breaker to complete.
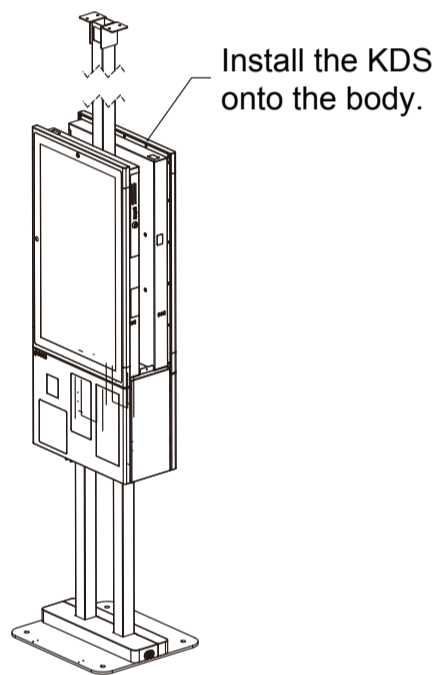
Installing Ceiling Mount for KDS and Body

Step 1. Unfasten 4 x M3 screws to remove pole cover as shown, and tighten 8 x M6 screw threads.

Tighten 8 x M6 screw threads.

M6 screw thread
Insert the cable into this hole.

26

30   102.40

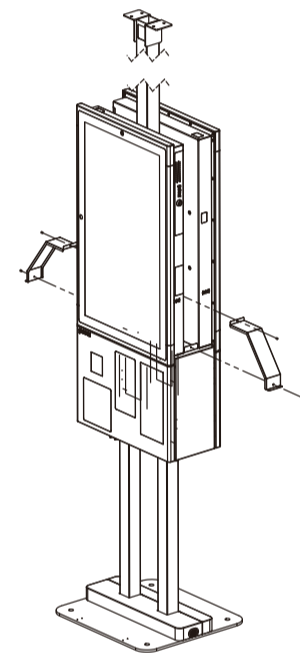**M3 screw**
P/N: 22-242-30005311

Unfasten 4 x M3 screws.

Step 2. The pictures below are only for ceiling mount design reference. (Note: The ceiling mount components should be prepared by customers.)
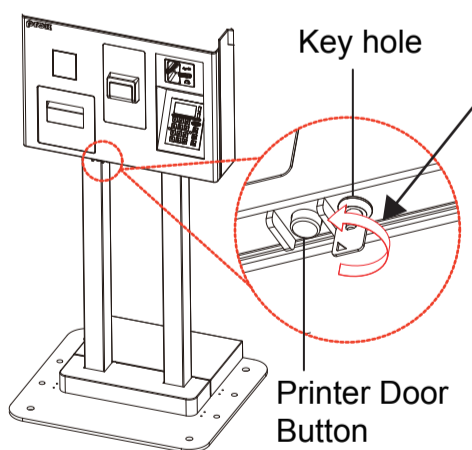
tube with screw bolts
screws
L-shaped iron plate
screw caps

The tube height should be designed as adjustable for easy installation.

Step 3. Install the two KDS onto the Body. (Refer to **Step 6, 7, 8** of **Installing Stand and KDS onto Body for Double-Sided Kiosk** section on Page 2.)

Install the KDS onto the body.

Step 4. Install the cover plates on both sides as shown to complete.

Installing Printer Paper Roll

Key hole

Printer Door Button

STEP 1.
Insert and rotate printer key leftwards.

STEP 2.
Press the printer door button.

STEP 3.
Press priner door button inside Printer.

STEP 4.
Install a new paper roll to complete.

Install a new printer paper roll.