

K-two with card dispenser

Installation manual

Oktober 2019

01750339347A



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1 Scope of document

This manual contains important information about the installation requirements, connection and maintenance of the device.

	 CAUTION
	Installation and connection of this device may only be carried out by authorized specialist personnel.

The safety instructions given in this document must be strictly followed when operating and installing the device.

If you have any doubts or questions, please contact your Diebold Nixdorf contract partner at any time.

2 Further documentation

K-two installation manual	Diebold Nixdorf Intranet/Internet	01750299889
K-two user manual (D-EN)	Diebold Nixdorf Intranet/Internet	01750312066
K-two service manual (D-EN)	Diebold Nixdorf Intranet	

3 Symbols

	 DANGER This warning note describes a hazard with a high degree of risk, which, if not avoided, will result in death or grave bodily injury.
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	 WARNING This warning note describes a hazard with a medium degree of risk, which, if not avoided, will result in death or grave bodily injury.
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	 CAUTION This warning note describes a hazard with a low degree of risk, which, if not avoided, will result in death or grave bodily injury.
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	NOTICE This note provides application tips and information that help prevent errors and material damage.
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4 Important Notes

Terminals supplied by Diebold Nixdorf comply with the respective safety regulations for data-processing installations and information technology installations, including electrical office equipment for use within an office environment.

	 WARNING Whenever work of any kind is done on the device, as well as when data cables are plugged and unplugged, the device must be completely disconnected from the line voltage.
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Terminals may only be installed and repaired by authorized technicians.

- Unauthorized opening of the housing or inexperienced repairs can result not only in considerable personal danger, but will also invalidate your warranty and liability protection.
- Always consult the enclosed documentation before doing any work with this terminal.
- If this terminal is brought from a cold environment into a heated place of business, condensation may occur. Before operation, the terminal must be completely dry. Therefore, an acclimatization period of at least two hours must be adhered to.
- Always lay the supply leads and cables in such a way that they cannot be stepped on or tripped over.
- Exchange damaged cables immediately.
- In order to completely disconnect the terminal from the power source use the separator in the fuse box/building installation.
- Make sure that no objects (such as paper clips) can reach the interior of the terminal, since electrical shocks or short-circuits could result.
- Ensure that the K-two receives adequate ventilation to avoid overheating.
- During an electrical storm, data cables should not be plugged in or being unplugged.
- Keep the terminal away from vibrations, dust, humidity and heat.
- Ensure that used parts are disposed of in an environmentally friendly manner.
- In case of an accident (such as a damaged housing, entry of liquids or foreign objects), switch the terminal off and use the separator to completely remove the terminal from power.

- The terminal and other information technology hardware should only be connected to electrical supply networks with a separate protective earth wire (PE). This type of electrical supply network is referred to as a TN-S network. Do not use PEN conductors. Also follow the recommendations set forth in DIN VDE 0100 Part 540, Appendix C2 as well as EN50174-2, §5.4.3 (www.DIN.de). This will help prevent malfunctions.
- National Electrical Code ANSI/NFPA 70-2005
- Always keep the ventilation slots free of obstruction to ensure adequate air circulation and avoid overheating.
- Transport the terminal only in its original packaging (to protect it against knocks and bumps).
- If a lithium battery is supplied with the terminal, ensure that the battery is replaced with an equivalent type. Otherwise there is danger of explosion! Lithium batteries may only be replaced with identical types or other types recommended by the manufacturer.
- Batteries must be disposed of according to local regulations on the disposal of special waste.

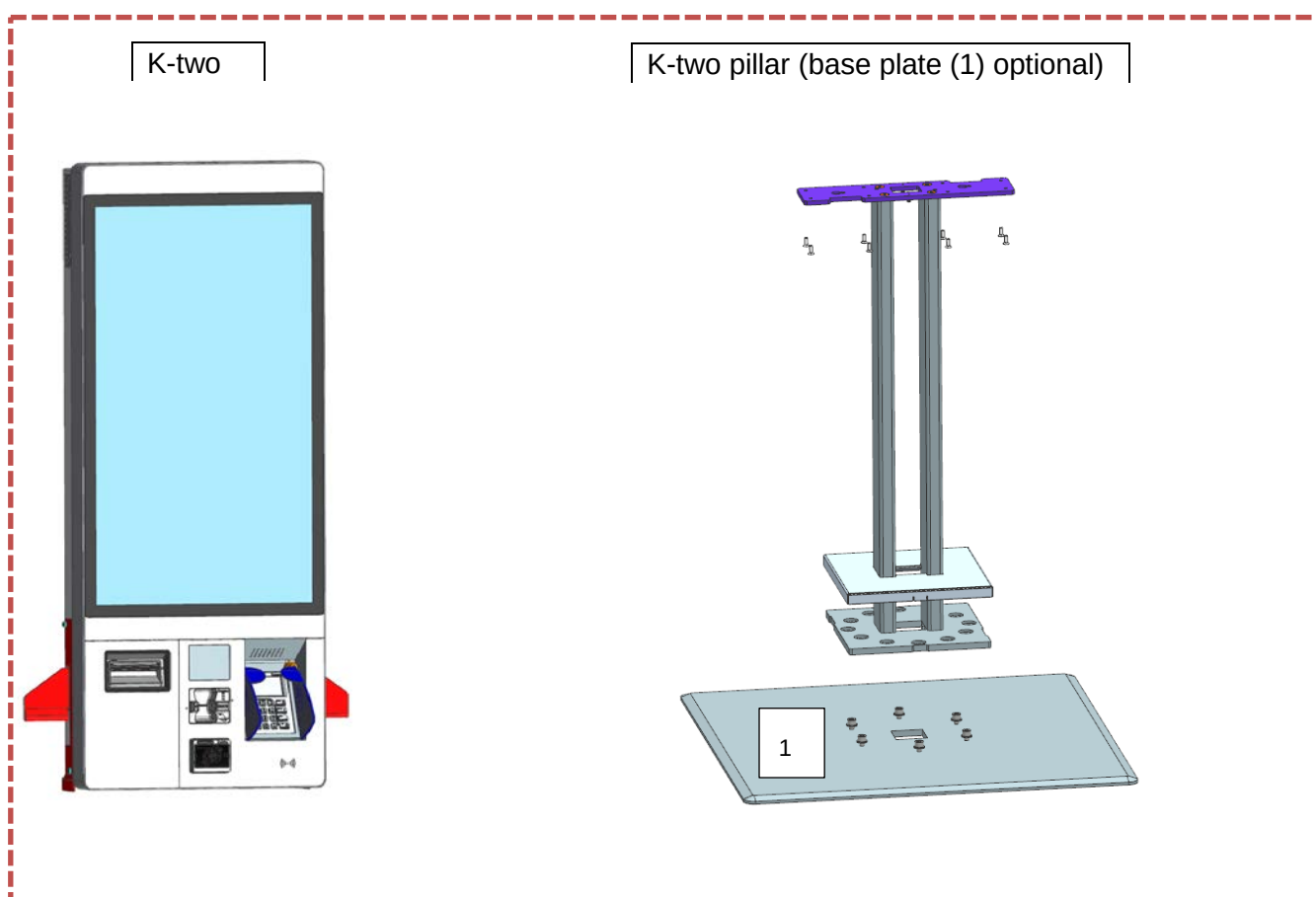
5 Scope of delivery



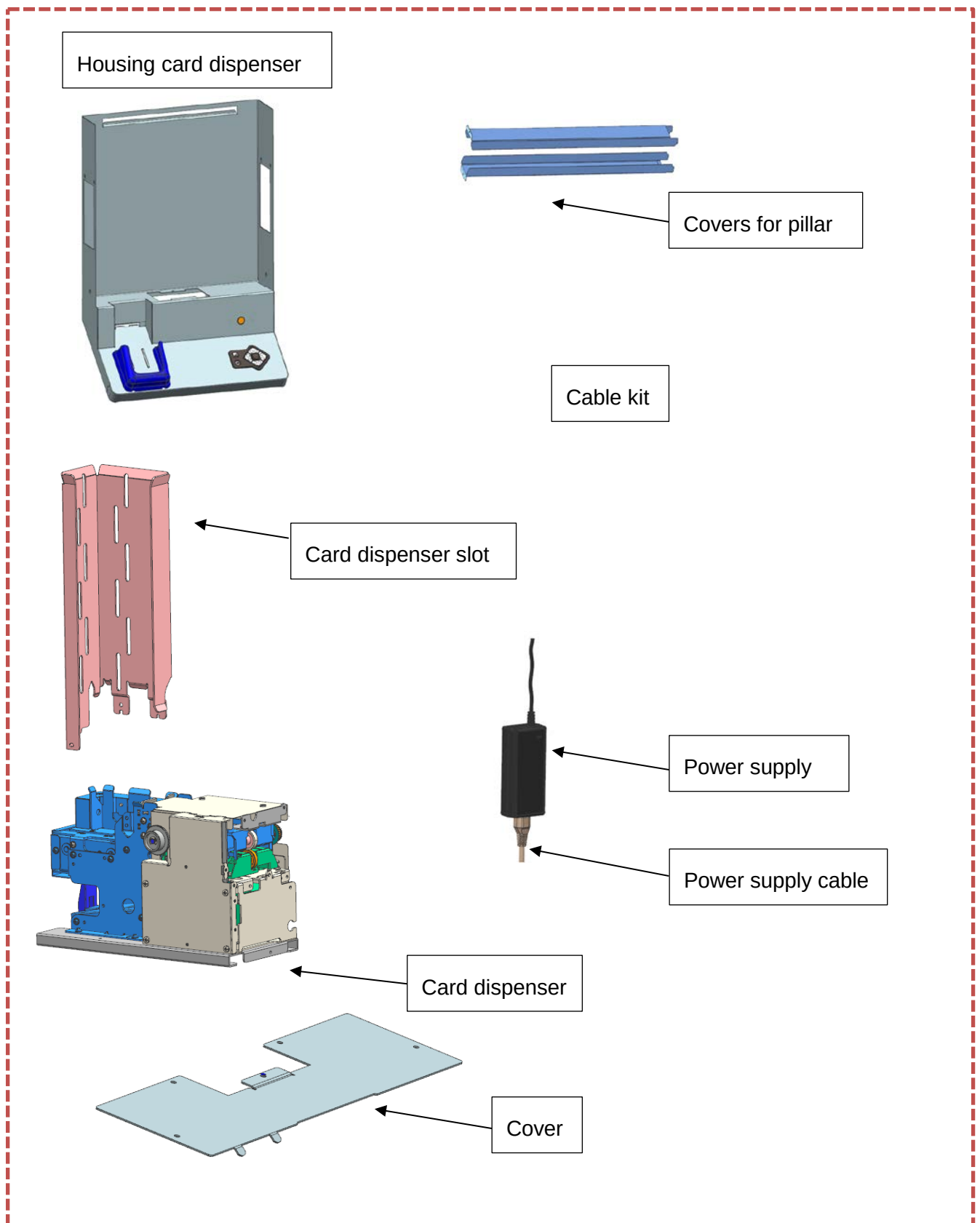
NOTICE

Check whether the serial number of the delivery units is the same as the serial number of the K-two.

Delivery unit

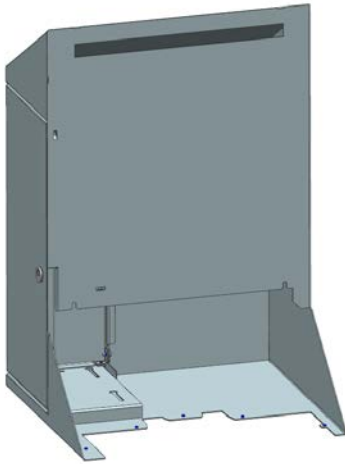


Delivery Unit



Delivery Unit

Rear housing card dispenser



Used screws/nuts

- Cylinder head screw M6x10 6x
- Self locking nut M4 2x
- Countersunk screw M5x10 4x
- Tapt. round head screw M4x8 6x

6 Full view



7 Installation

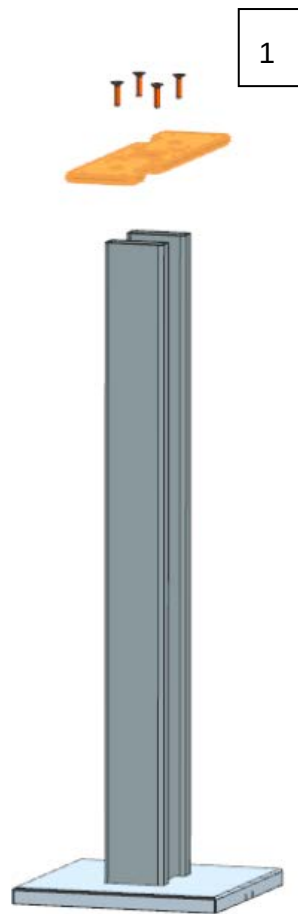
7.1 Safety Note

	 CAUTION
	Risk of crushing! Always wear safety gloves and safety shoes according ISO 20345 with toe cap, closed heel area and energy absorbing heel area while transporting or assembling the device. USA: Safety shoes with class 1 toe cap according ASTM F 2412 and ANSI Z41.1 in its current versions. Canada: Protection CSA code 1Pxxx.

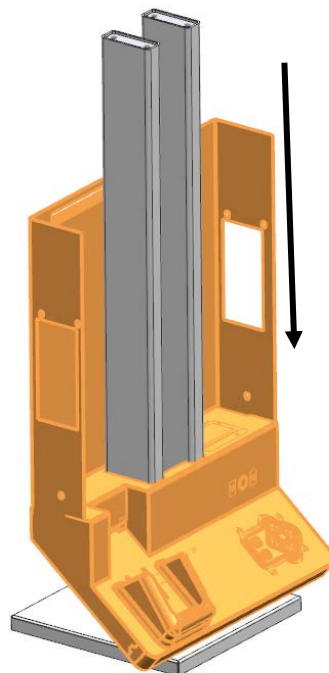
7.2 Tools needed

- Phillips screwdriver: PH2 mm
- Hexagon socket: 8; 5; 4 mm
- Torxs: TX20 mm
- Open-end wrench / Socket wrench for M4 (7) mm
- M3 (5,5 mm) for service only

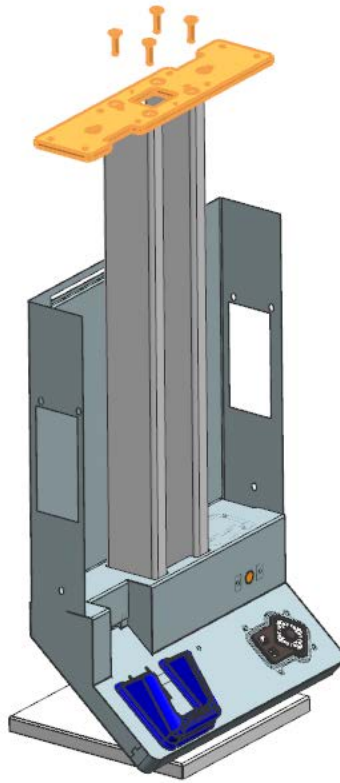
Remove the plate from the top of the pillar (1).



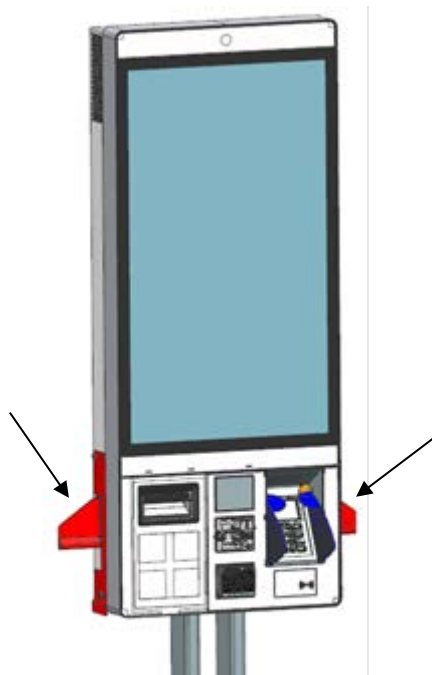
Place the front card dispenser housing over the stand and place it at the bottom.



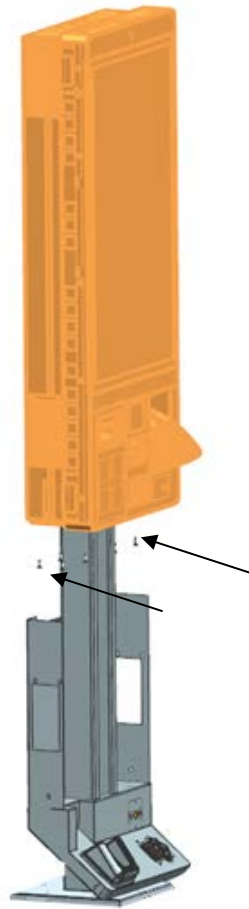
Then screw the screw plate back onto the stand (20Nm, 15 Lbf ft).



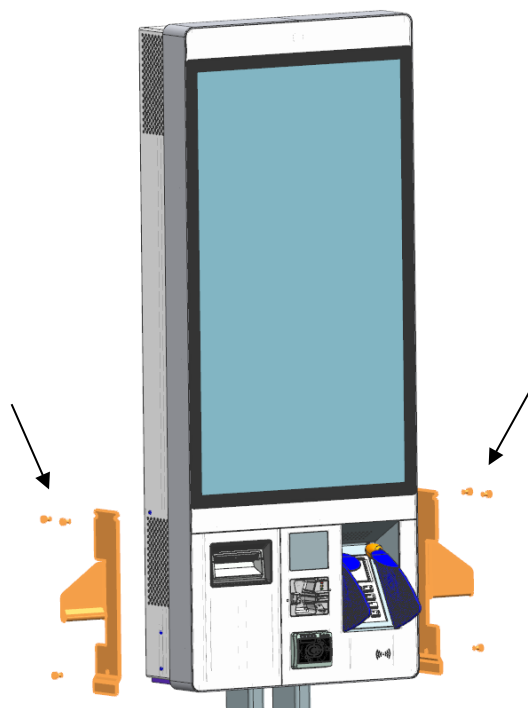
Grasp the K-two at the handles (see arrows).....



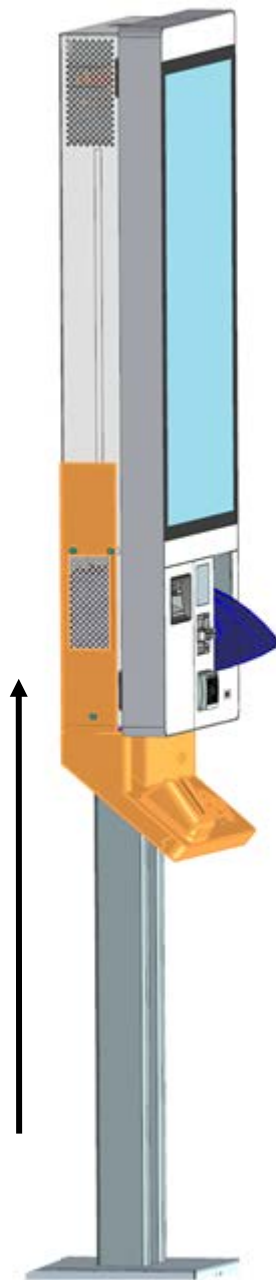
.....set the K-two into place on the stand and fix it with 8x M6x16 counter sunk screws (see also K-two installation manual).



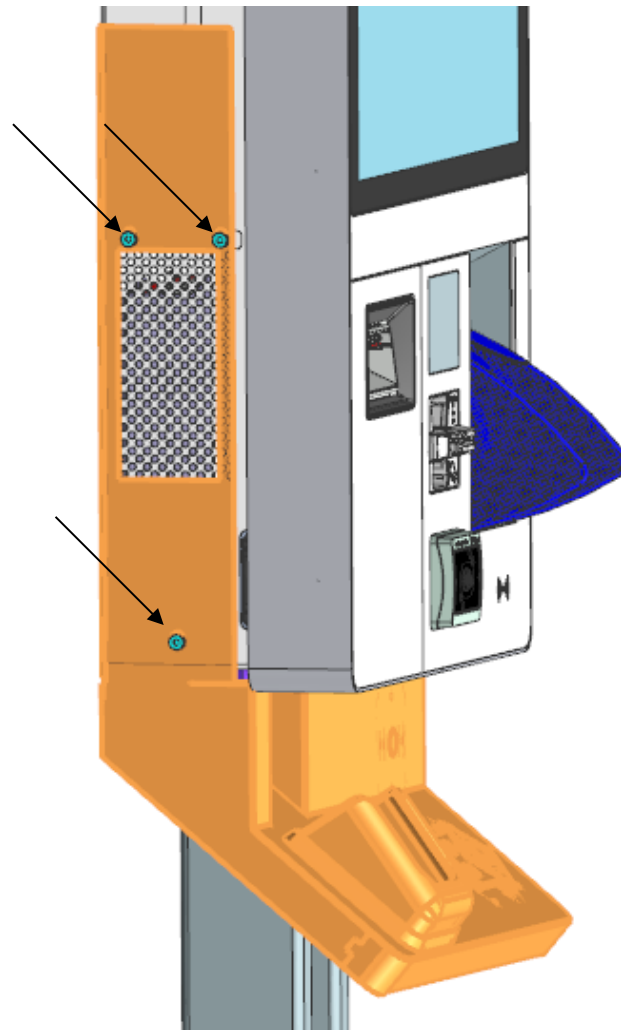
Remove the handles.



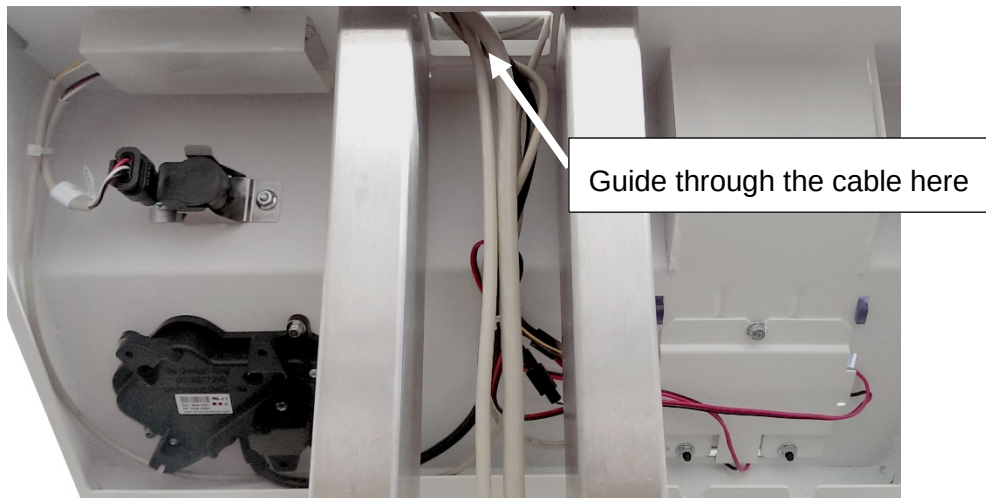
Pull up the front card dispenser housing to the stop (see arrow).



Fix the card dispenser housing with 3 pcs. M6x10 at both sides (see arrows).



Push the cable harness through the opening to the K-two (see arrow) and connect it to the PC box.

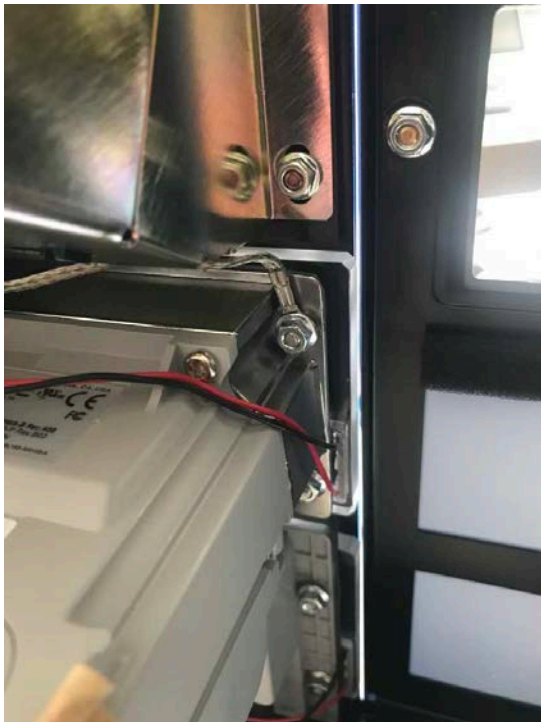
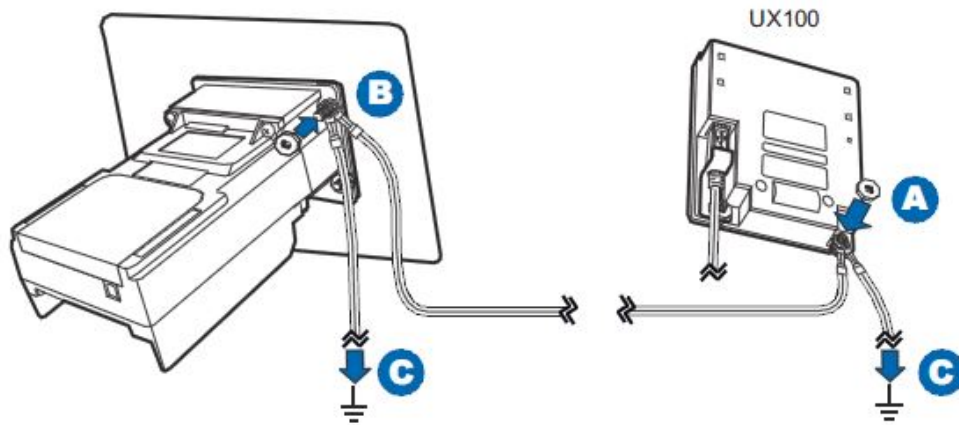


Lay the wiring harness at the following minimum distance from the printer. This will avoid squeezing of the cables by the card reader in the door.



The K-two kiosk comes with steel covers mounted instead of magnetic card reader and EFT. These devices will be installed by the customer. Remove the cover and install the devices.

Install the ground strap of EFT the following way:

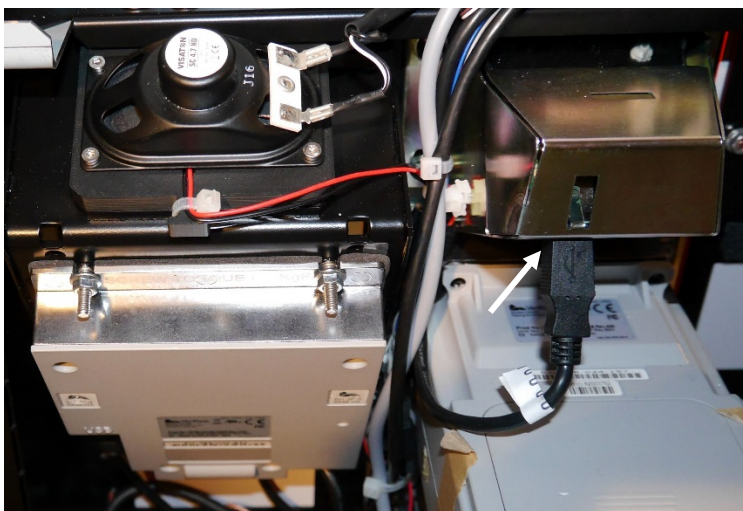
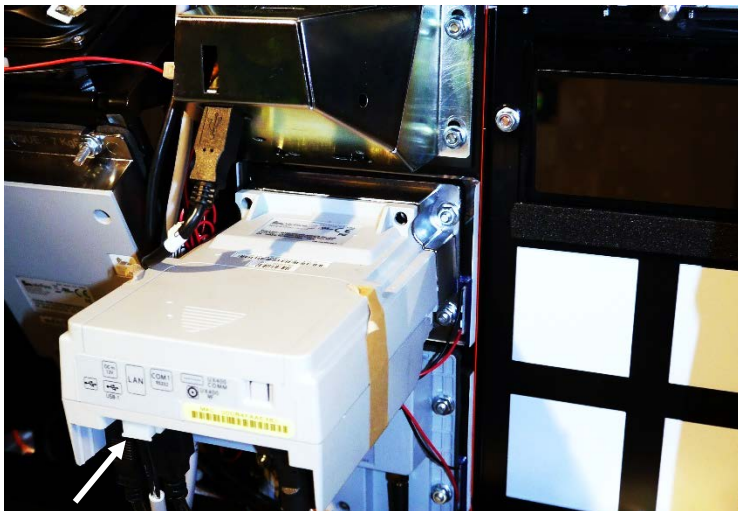


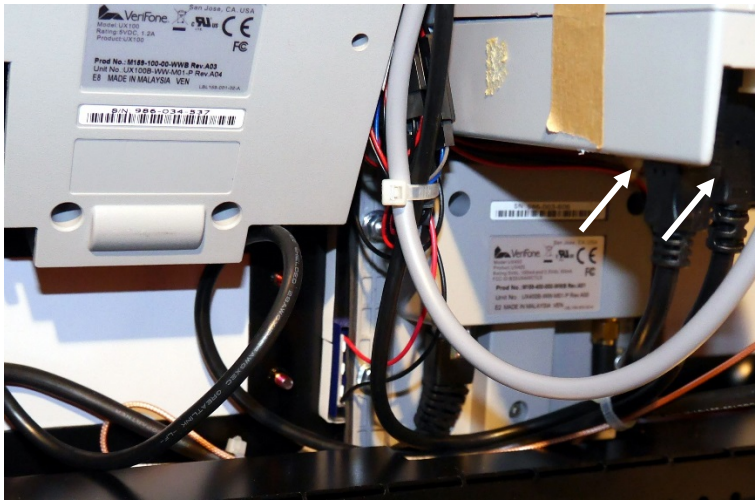
Card Reader UX300



PinPad UX100

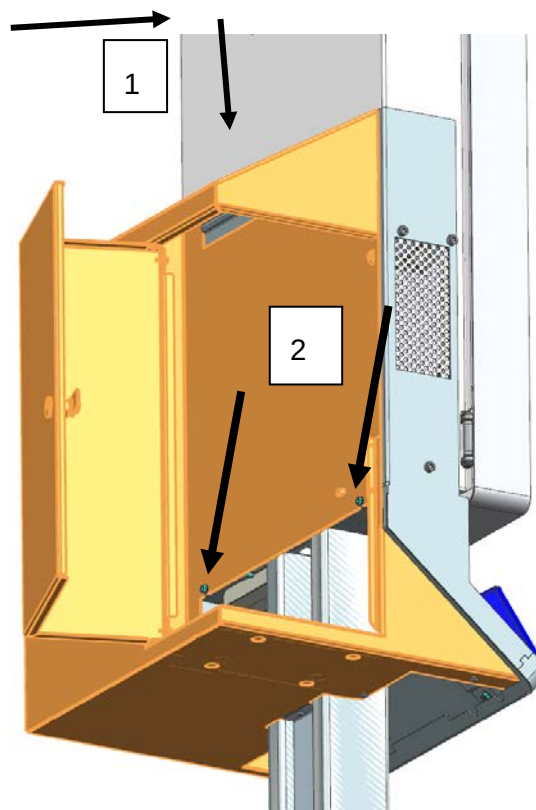
Open the front door, add the devices and connect as shown in the picture below.



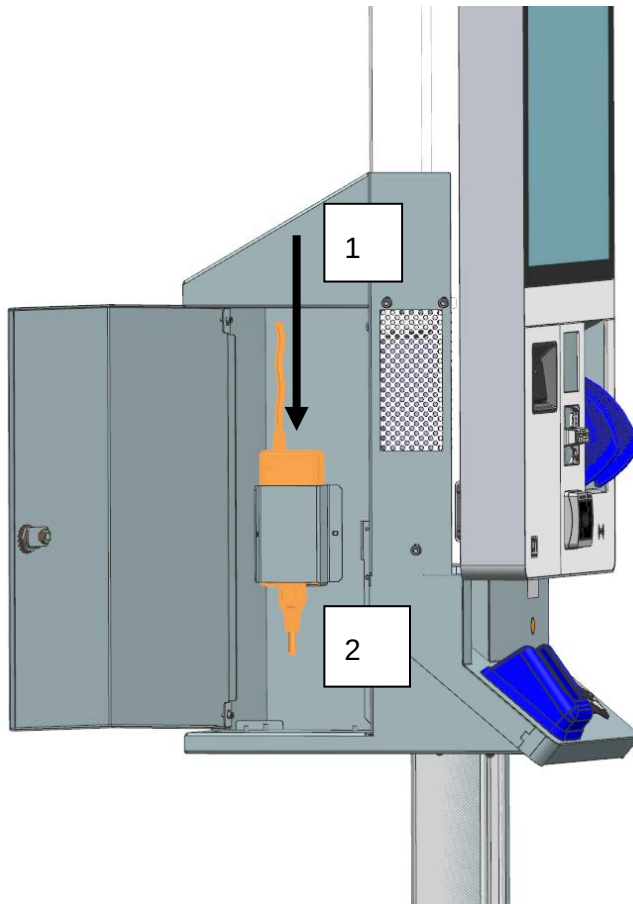


The housing of the NFC Reader UX400 is made of plastic and does not have to be connected with a ground strap.

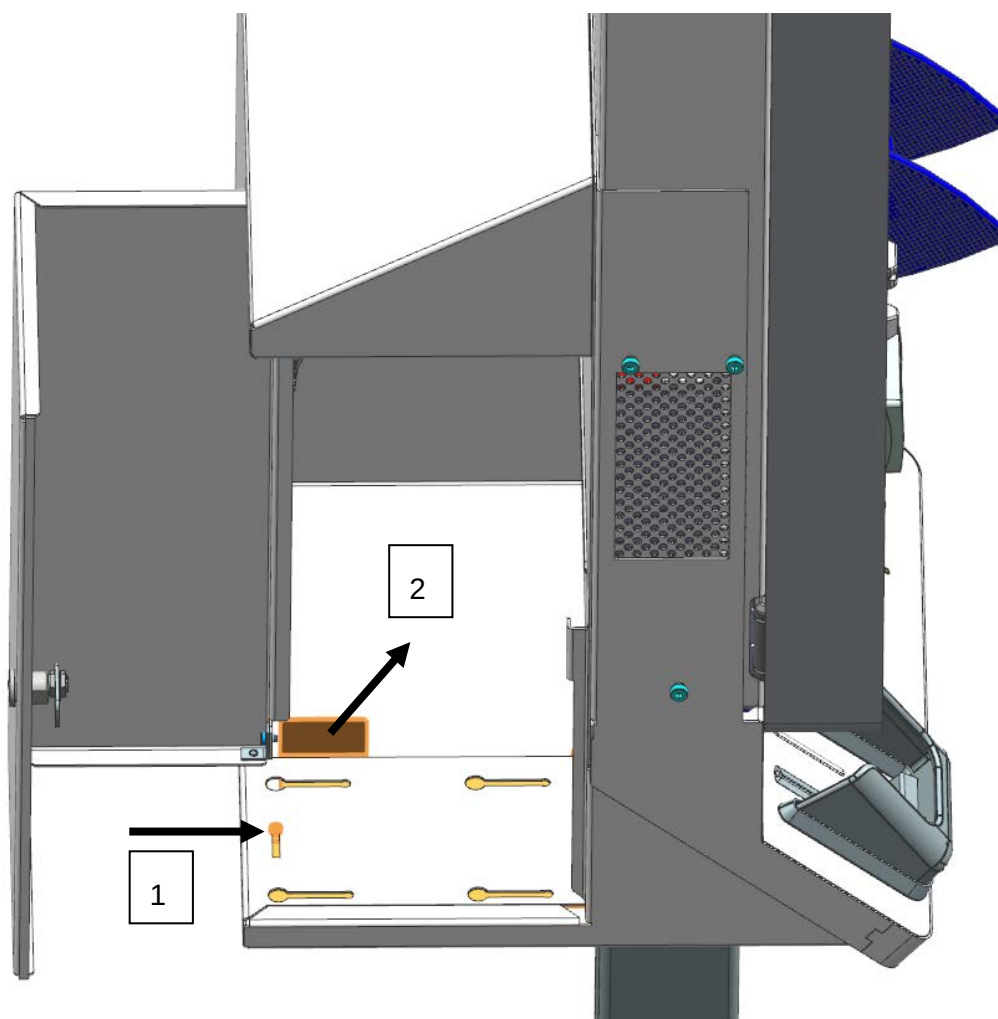
Hang the rear housing into place and push it downwards to the stop (1). Hook in the back of the card dispenser housing and secure it with the self locking M4 nuts (2).



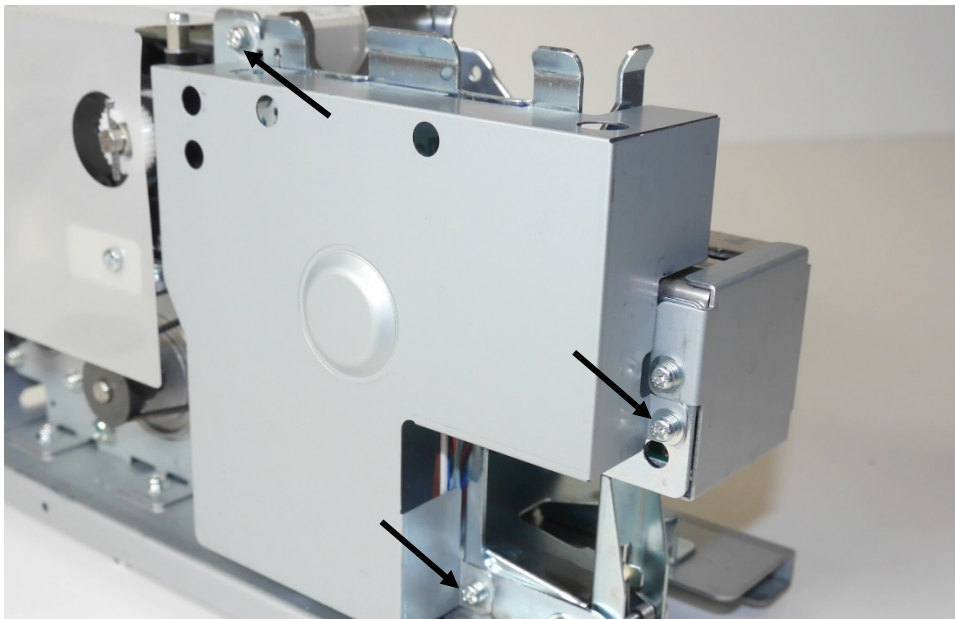
Put in the power supply unit from above (1) and plug the power cord (2).



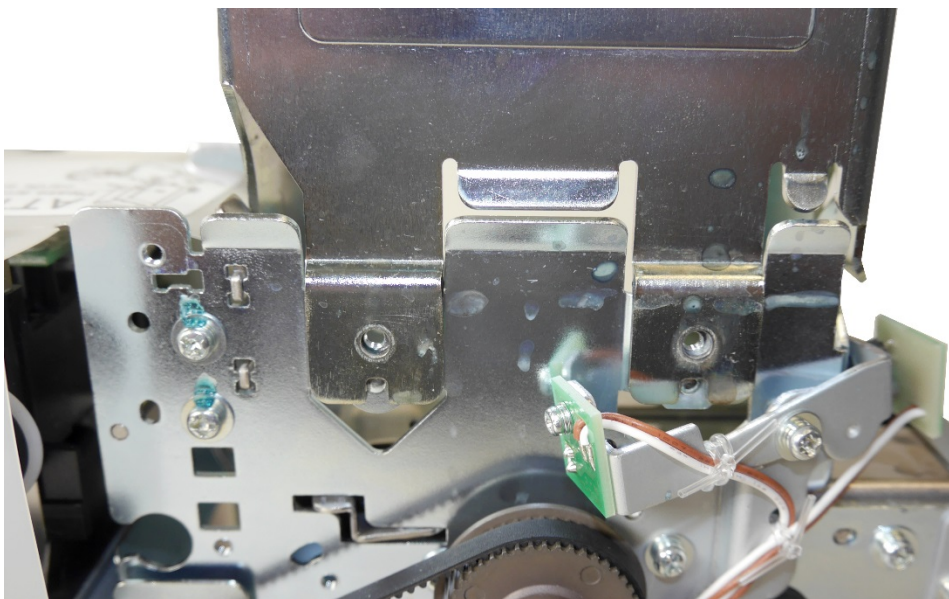
Loosen the screw (1) and push the cover backwards (2).



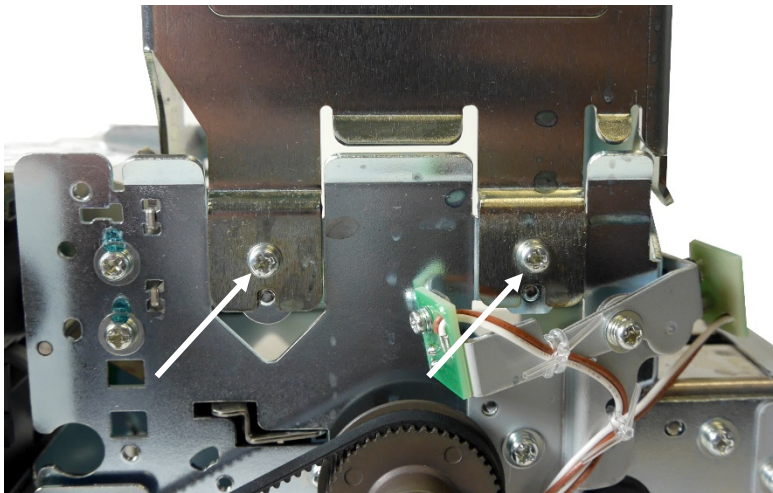
Remove three screws (see arrows) and remove the back cover of the card dispenser.



Set the stacker into place....



... and fix it with two screws at the rear side (see arrows).....

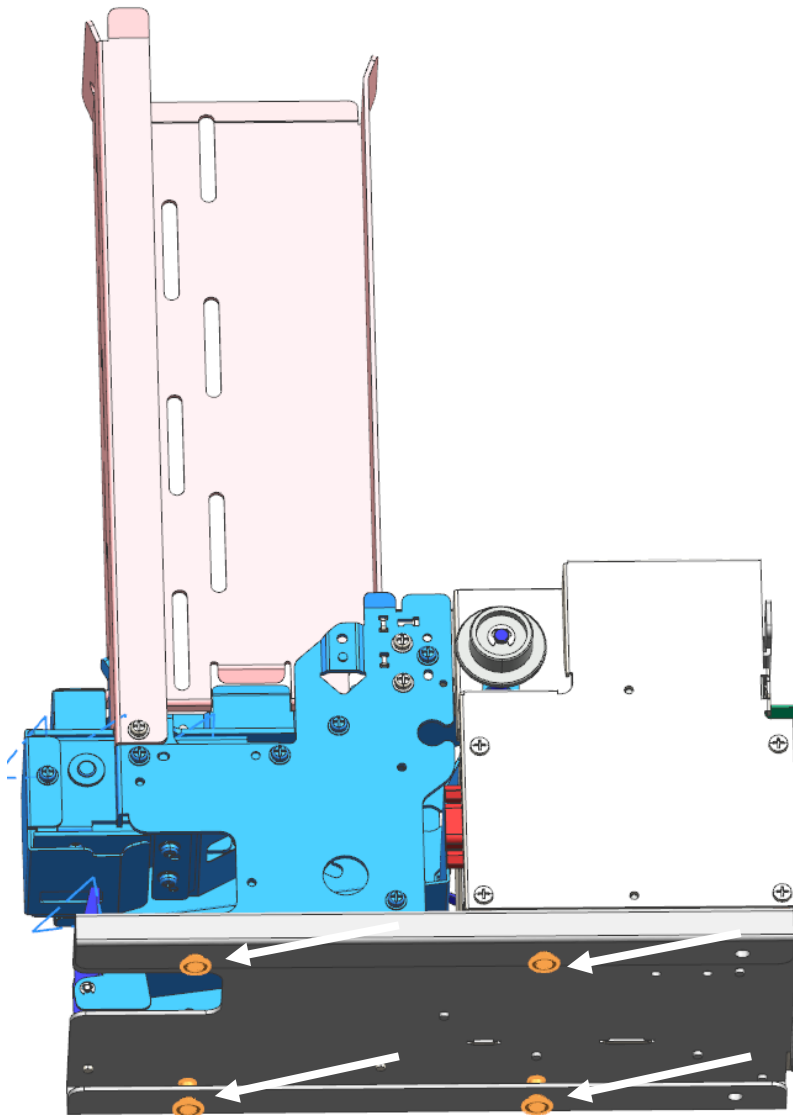


... and one at the front side of the card dispenser (see arrow).

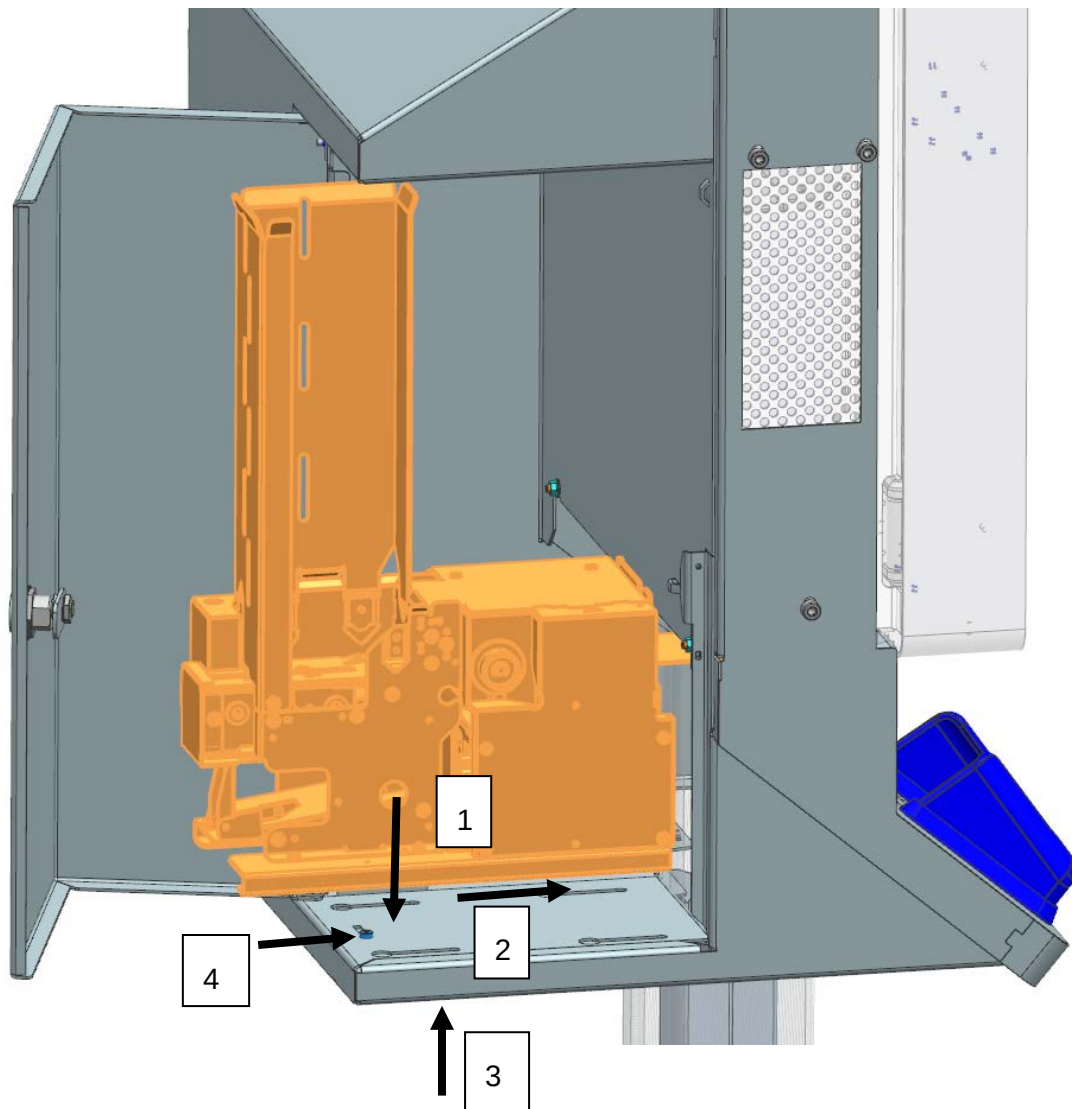


Mount the cover.

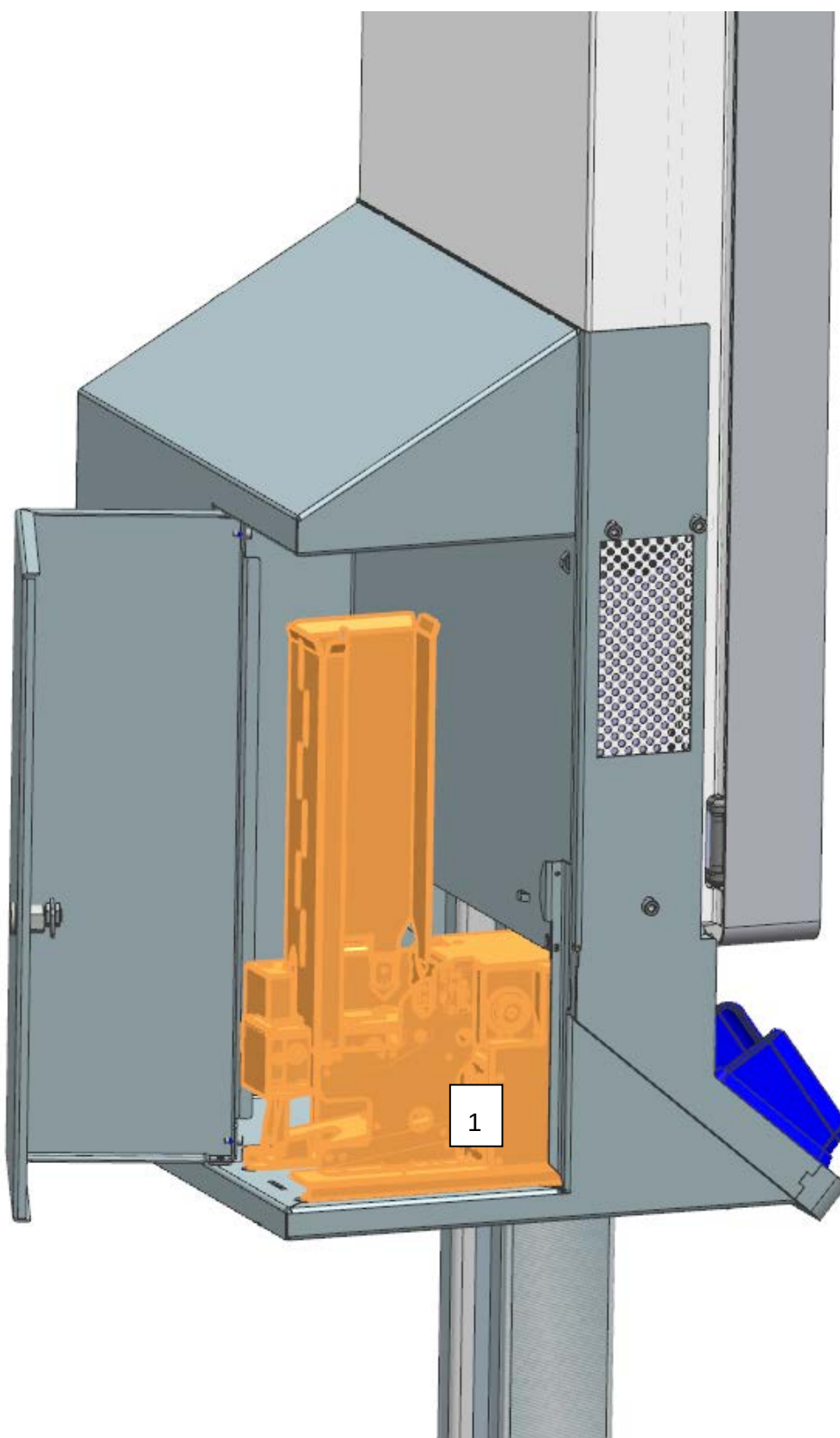
Attach 4x M5x10 screws to the card dispenser and do not tighten (see arrows).



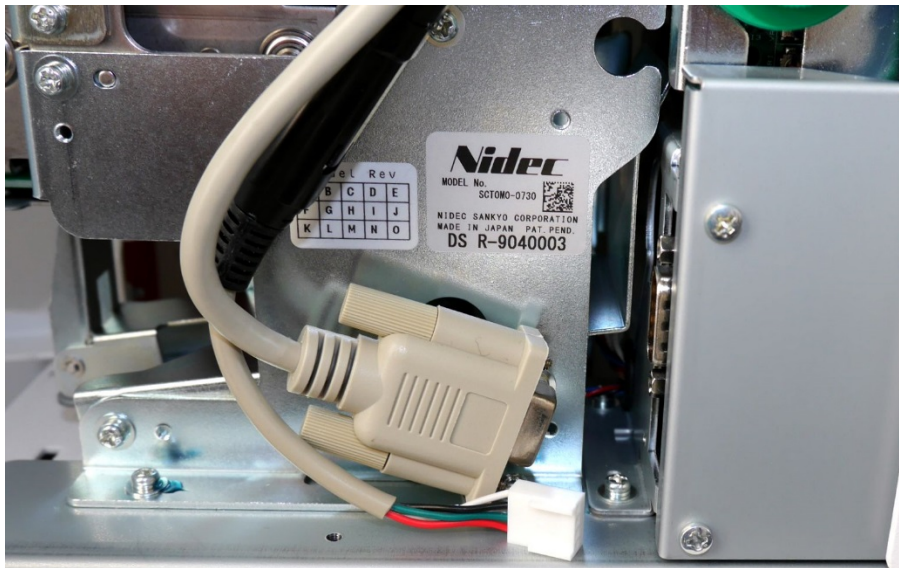
Insert the card dispenser with screws into the keyholes (1) and push it forward (2). Tighten the 4xM5 screws from below (3), then push the cover back again and secure it with the screw (4).



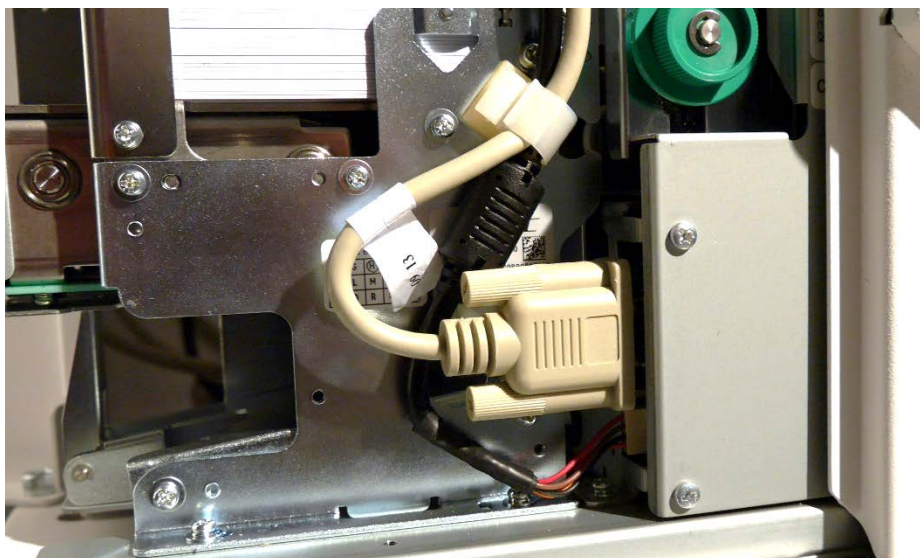
Plug in the power and data cables (1). Fill in the cards and close the door.



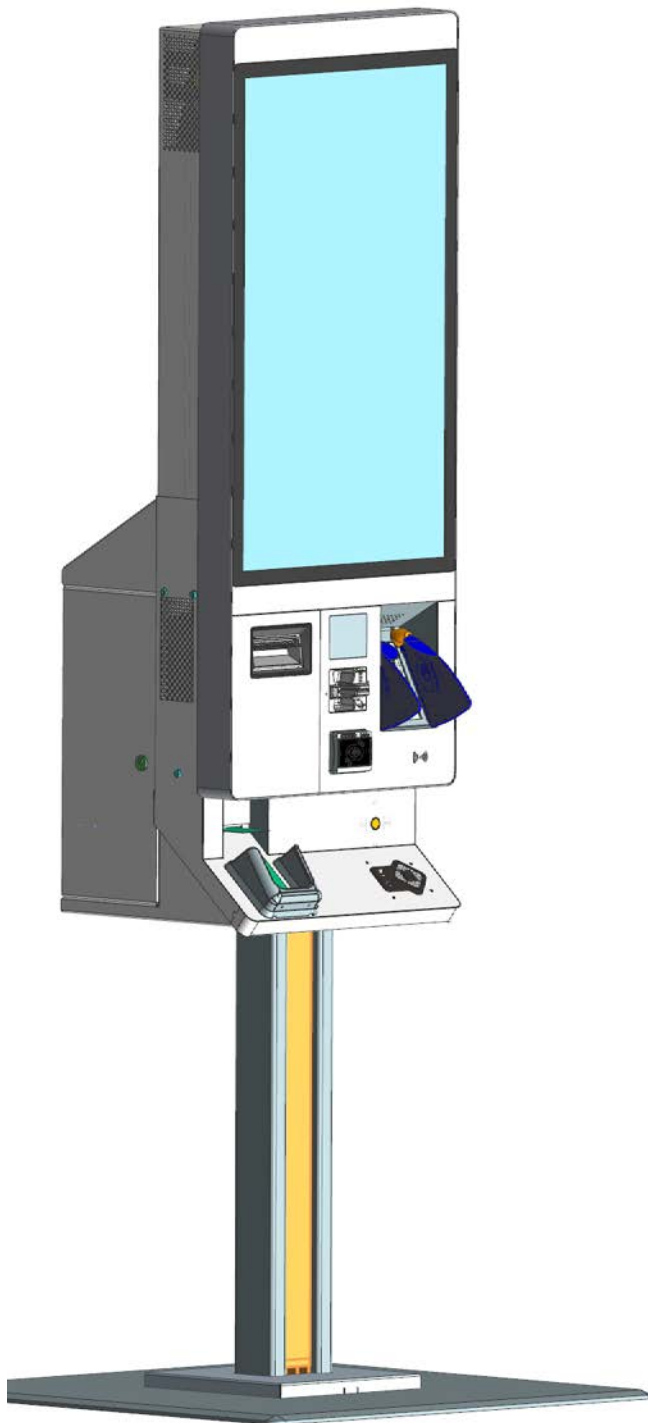
The cables for the card dispenser are integrated in the wiring harness.



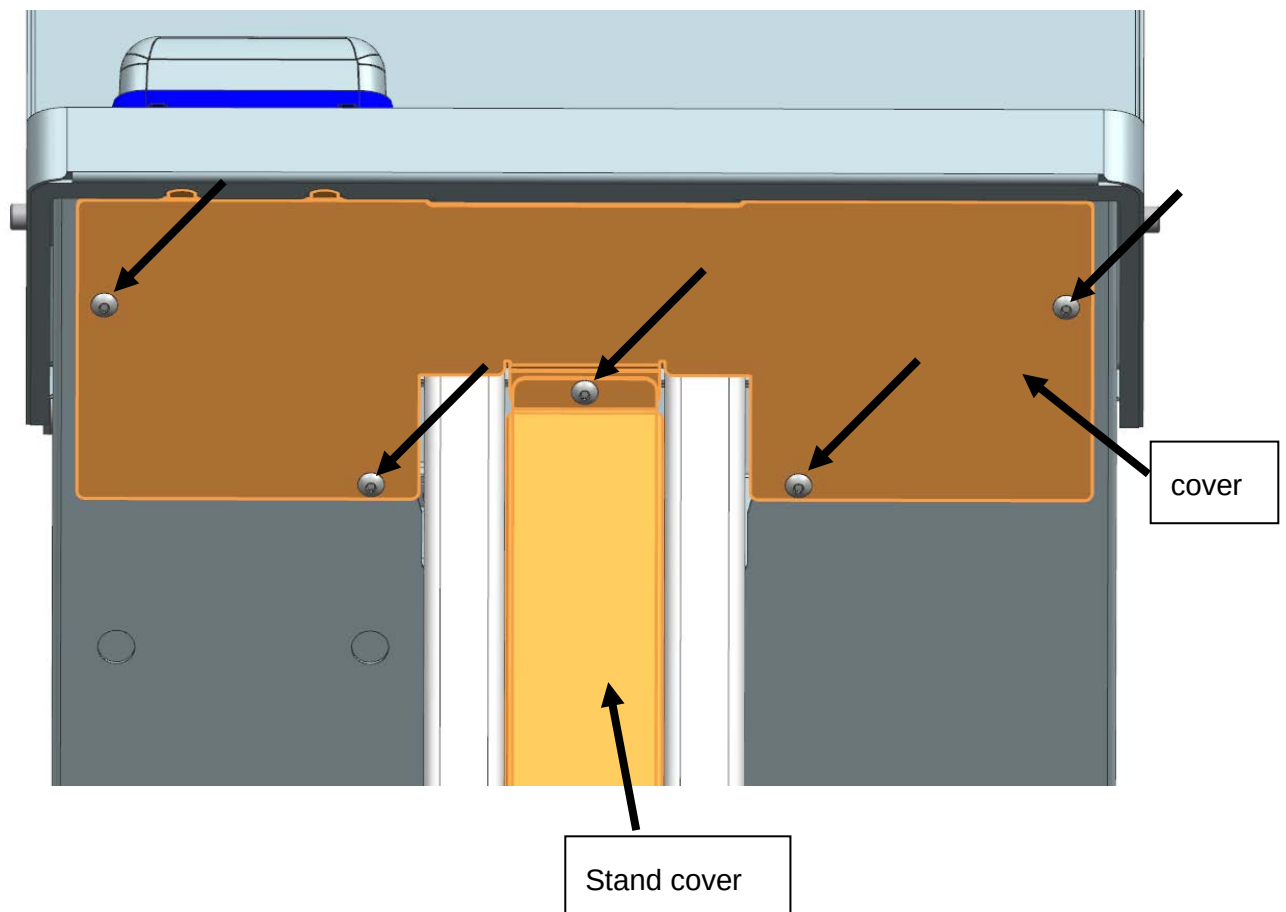
Plug in the power and data cables. Fill in the cards and lock the door.



Use the two short plates from the card dispenser mounting kit as covers for the pillar.

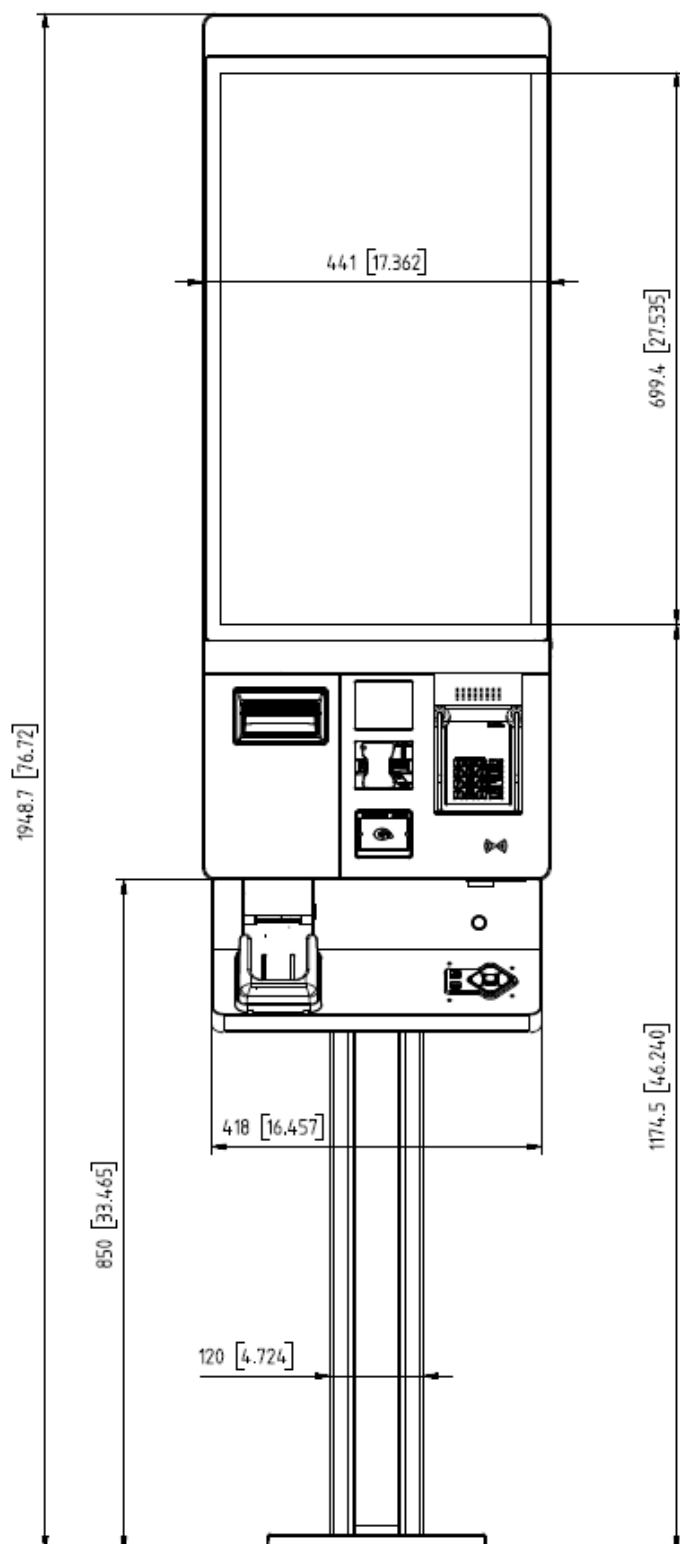


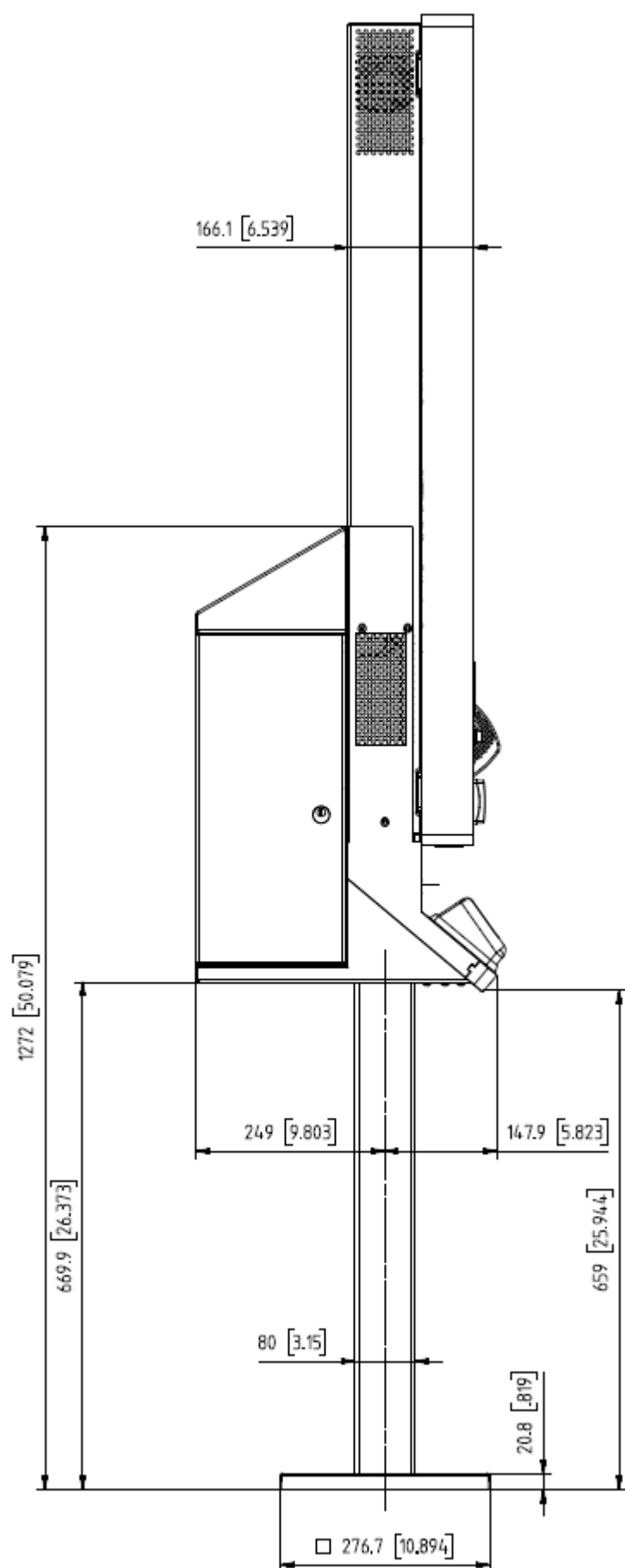
Insert and screw in cover and stand cover.

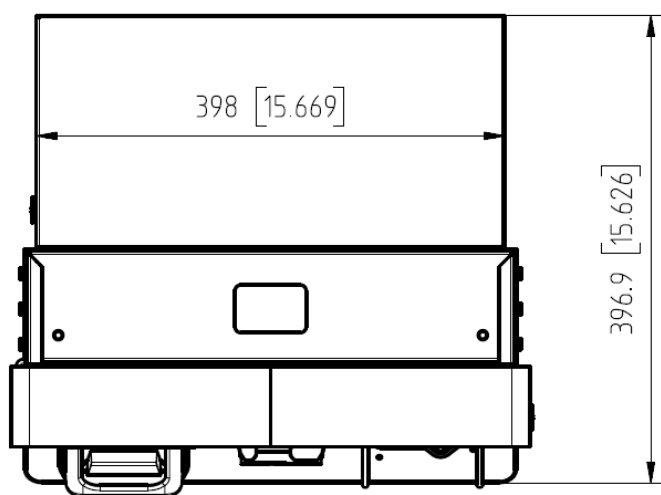


8 Dimensions

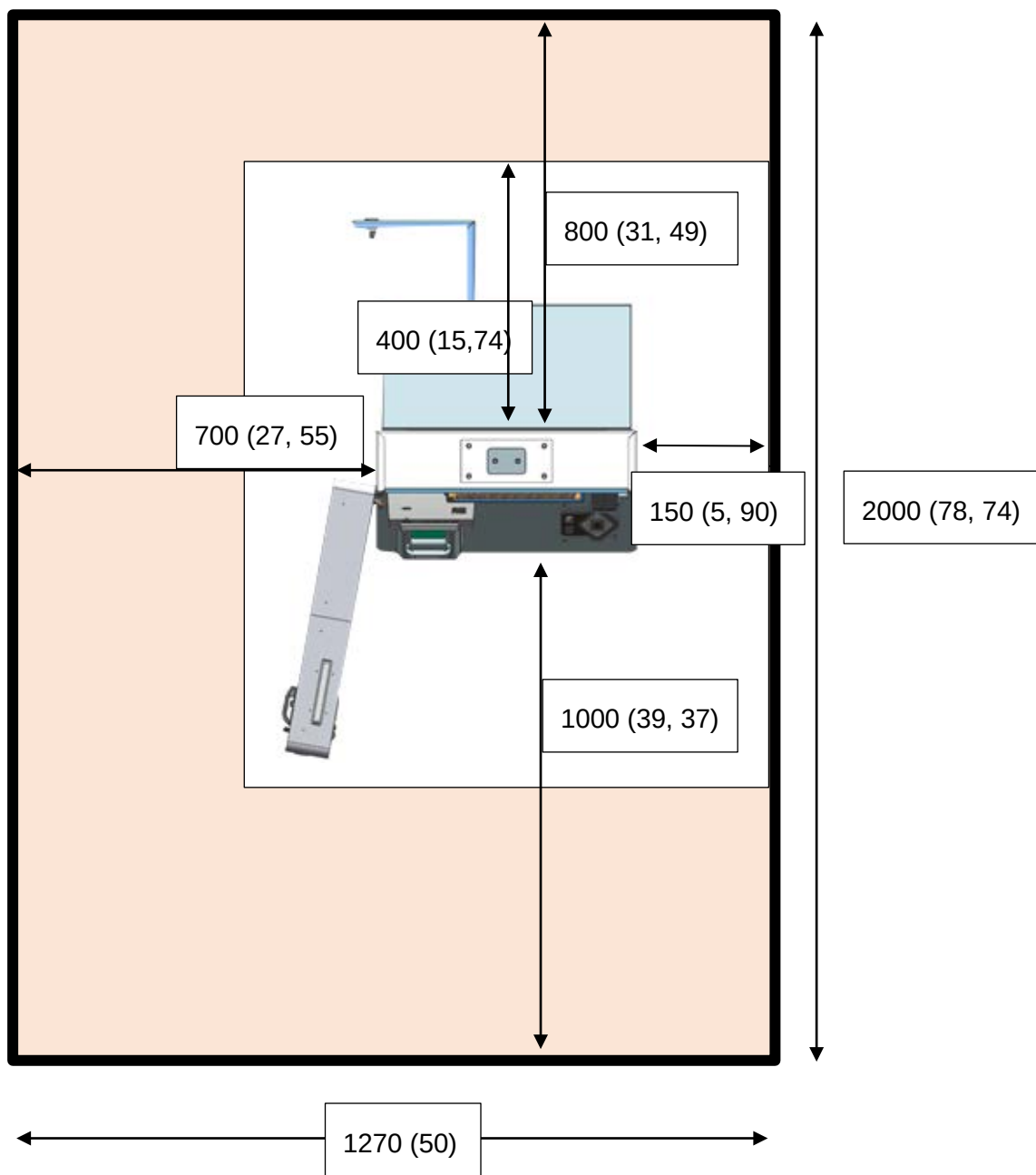
All dimensions in mm [inch]





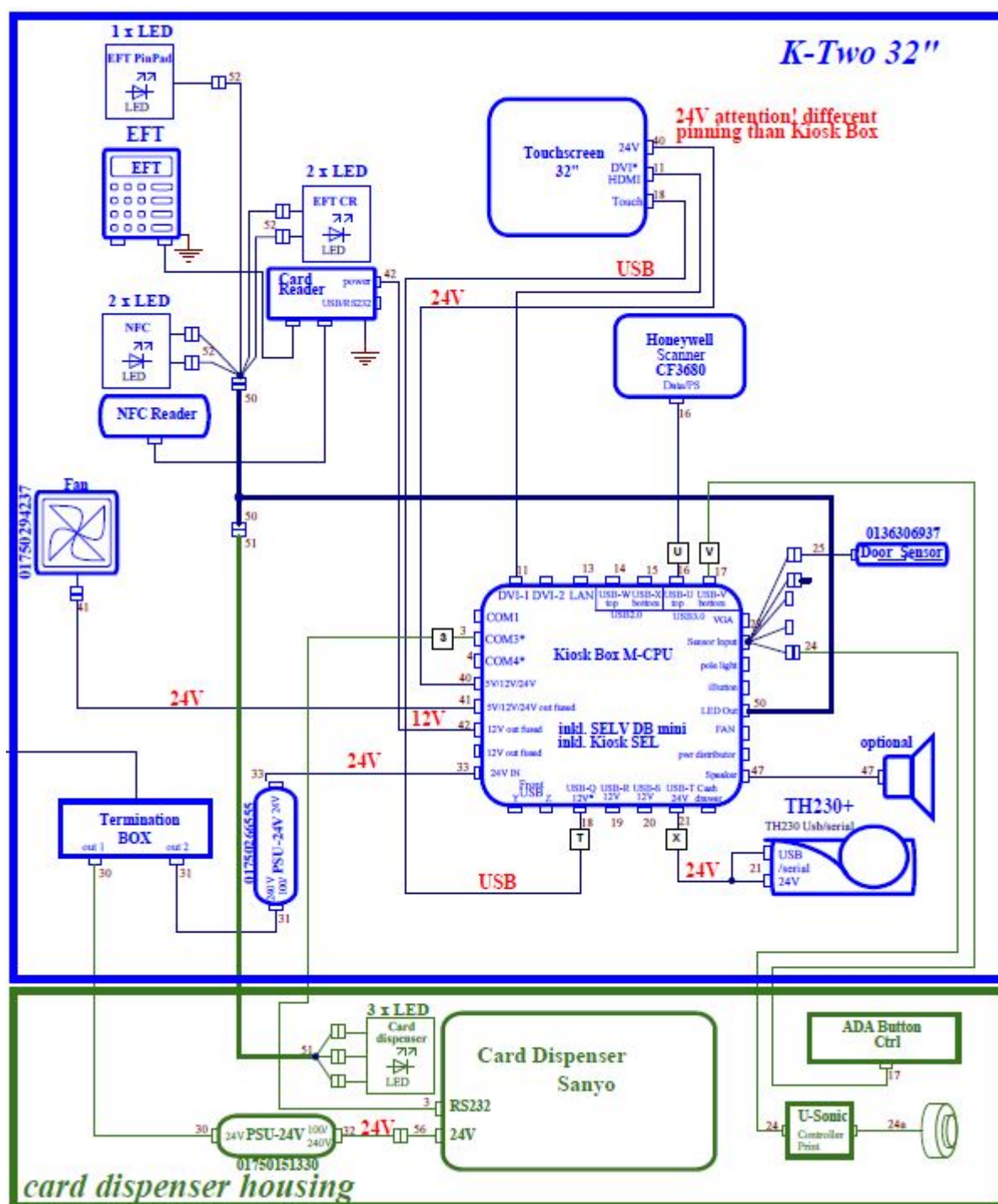


9 Service area



Dimensions in mm (inch)

9.1 Block diagram



10 Recycling

This device was designed according to the Diebold Nixdorf standard "Environmentally Conscious Product Design and Development".

The device is manufactured without the use of CFCs and CCHs and is manufactured to a great extent out of materials and components which are recyclable.

For recycling purposes do not attach any additional adhesive labels to the terminal.

Diebold Nixdorf disposes of old terminals in an environmentally responsible manner at a recycling center that is ISO 9001 and ISO 14001 certified, as is the entire company. Follow your local regulations on the disposal of toxic waste.

Your Diebold Nixdorf vendor will answer any questions you have concerning returns, recycling, and disposal of our products.

Diebold Nixdorf Systems
D-13629 Berlin
Order No.: 01750339347A