

WINCOR
NIXDORF



BEETLE /Express
BEETLE /Express 15

Installation Guide

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**BEETLE /Express
BEETLE /Express 15**

Installation Guide

Edition October 2013

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Manufacturer's Certification



The device complies with the requirements of the EEC directive 2004/108/EC with regard to “Electromagnetic compatibility” and 2006/95/EC “Low Voltage Directive”.

Tested Safety



In addition, the device has received the UL symbol and cUL symbol.

FCC-Class A Declaration

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not in-stalled and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Le présent appareil numérique ne génère pas de bruits radioélectriques dépassant les limites applicable aux appareils numériques de la "Class A" prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

BSMI (EMC for Taiwan)



The device complies with the requirements of the BSMI (Bureau of Standards, Metrology and Inspection, Ministry of Economic Affairs) directive CNS14348 with regard to "Electromagnetic compatibility" with the limits for a Class B product.

Introduction

This installation guide provides you with the information you require to install the BEETLE/ Express or BEETLE/ Express 15 system, collectively known as the system.



BEETLE/ Express carries a 10.4” Color TFT display and BEETLE/ Express 15 carries a 15” Color TFT display

Symbols used in this guide

-

Text following this mark represents an item in a list.

“ “

Text in quotation marks contains references to other chapters or sections in this document.

•

Paragraphs following this symbol are actions to be performed in the specific order.



Text following this symbol has to be given special attention in order to avoid damage or injury.



This symbol identifies paragraphs which contain general notes to facilitate use of the device and help avoid operating errors.

Important safety precautions



Please read the following notes carefully before doing any work on the device.

Installation notes

When installing the device and/or doing any work on it, make sure that it is disconnected from the power.

General safety precautions

This device complies with the relevant safety regulations for information processing equipment.

- Note the warning and information labels on the device.
- The device is equipped with a safety-tested power cable, which must be connected only to a grounded outlet.
- Always hold the plug when removing the power cable. Never pull the cable itself.
- Have damaged power cables replaced immediately.
- The lithium battery must be disposed of in accordance with local regulations for special waste.
- If the display element is damaged and the liquid crystal solution leaks out onto your hands or clothing, please wash your hands or clothing immediately under running water for at least 15 minutes, using soap or alcohol. If the liquid comes into contact with your eyes, consult a medical doctor immediately.

- Make sure that there is always free access to sockets used or to the electrical circuit-breakers of the house installation.
- In case of an emergency (e.g. damaged cabinets, control or power cables, liquids or foreign objects in the device), switch off the device immediately and inform the customer service responsible for you.
- During the thunderstorm, data transmission lines must not be connected or disconnected.
- Only use accessories and extension components that have been approved by us. Nonobservance can result in damage to the system or violations of regulations concerning safety, radio interference and ergonomical requirements.
- To clean the device only use cleaning agents approved by Wincor Nixdorf International GmbH.

Repairs



Repair work may only be carried out by authorized personnel.

Unauthorized opening of the device or repair work carried out improperly could result in considerable danger to the user.

In case of noncompliance, Wincor Nixdorf International GmbH excludes all liability.

Recycling the system

Environmental protection does not begin when the time has come to dis-pose of the system; it begins with the manufacturer. This product was de-signed according to our internal norm “Environmental conscious product design and development”.

The system is manufactured without the use of CFC and CHC and is produced mainly from reusable components and materials.

Please do not stick labels onto plastic case parts. This would help us to re-use components and material.

But there are still some parts that are not reusable. Wincor Nixdorf Inter-national GmbH guarantees the environmentally safe disposal of these parts in a Recycling Centre, which is certified pursuant to ISO 9001 and ISO 14001. You can protect our environment by only switching on your equipment when it is actually needed. If possible, even avoid the stand-by-mode as this wastes energy, too. Also switch your equipment off when you take a longer break or finish your work.

Please contact your competent branch or the Recycling Centre Paderborn (for European countries) for information on how to return and reuse devices and disposable materials under the following mail address.

Email: info@wincor-nixdorf.com or on the internet.

Planning the Installation

This chapter provides you with the information you need to prepare for the installation of the system.

Device dimensions

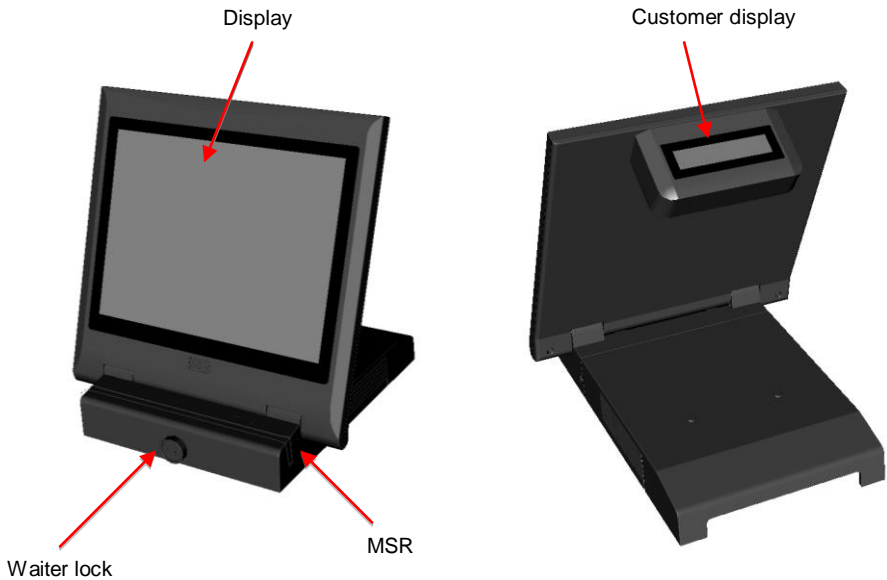
All dimensions are specified in millimetres. The views of the system are not drawn to scale.

Display size	10.4"	15"
Height (H)	285	354
Depth (D)	293	293
Width (W)	263	360

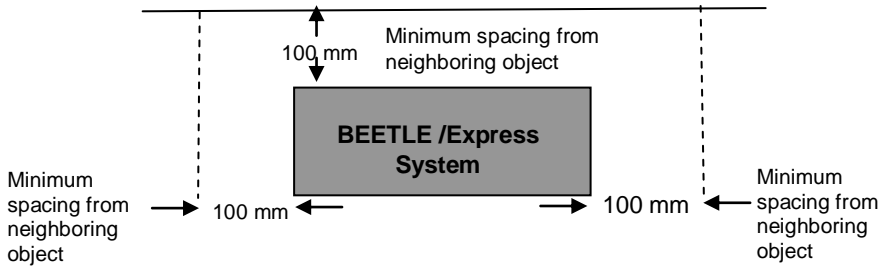
All dimensions in mm

Configuration

All 3 optional devices (MSR, Waiter Lock and Customer Display) can be integrated as shown in the picture below.



Required operation space



Reservation of minimum space is required to ensure proper ventilation during the operation of the device.

Reserve at least 100 mm of operation space from the side of the device to its nearest barrier / wall.

Installation site requirements

When choosing the installation site, make sure that

- the system is sheltered indoor
- If this system is taken from a cold environment into the operating room, moisture condensation may form. The system must be absolutely dry before being put into service; an acclimatization period of at least two hours must therefore be observed.
- No cascading of power cables

Please take note of the following points for the installation site:

- The installation area must be flat leveled.
- The system needs to be installed on the table surface and not on the floor.

If necessary, appropriate arrangements must be made.

Installation

This chapter describes the steps to be taken to install the system.

All dimensions are specified in millimetres. The diagrams are not drawn to scale.

Contact the person in charge of planning the installation to verify that all preparations have been performed completely and professionally and that none of the required power and data cables are missing.

Removing the packaging

- Remove the packing material of the system or the modules ordered.
- Dispose of the packaging which is no longer needed according to the regulations of your country.

Installing customer display onto system

1. Remove the packaging of the customer display module.

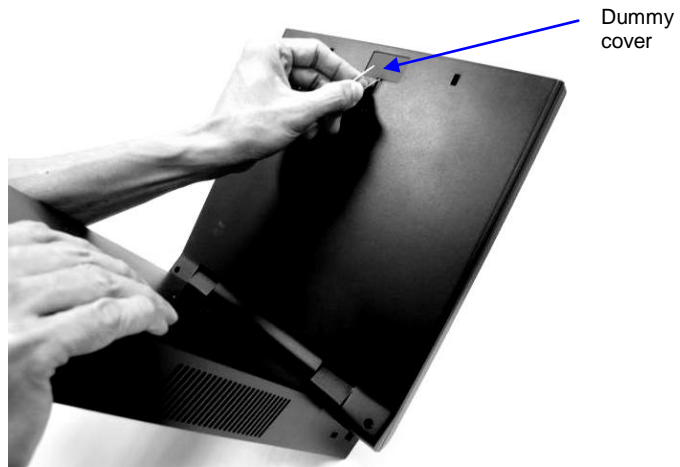


Front view

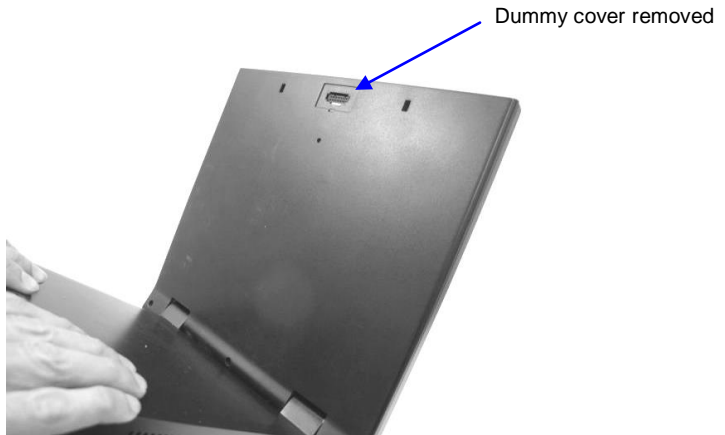


Rear view

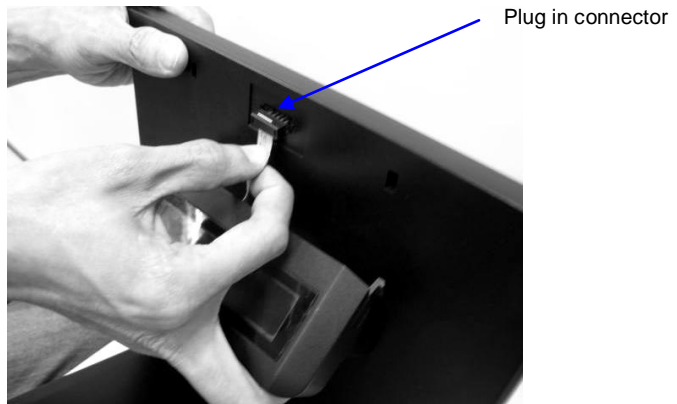
2. Gently pry open the dummy cover at the rear of the system (see picture below) using a tweezers or a flat-tip screwdriver.



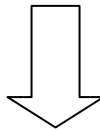
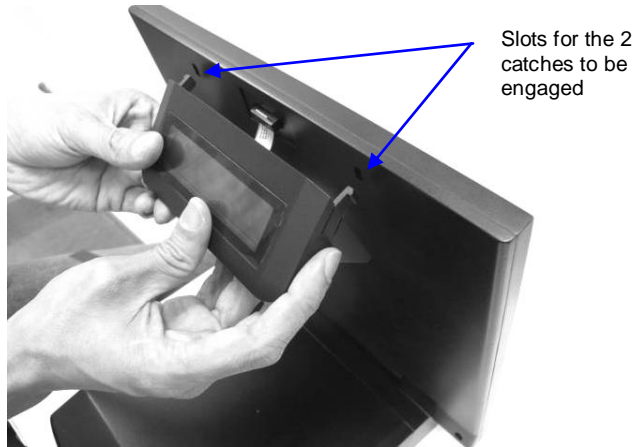
Dummy cover



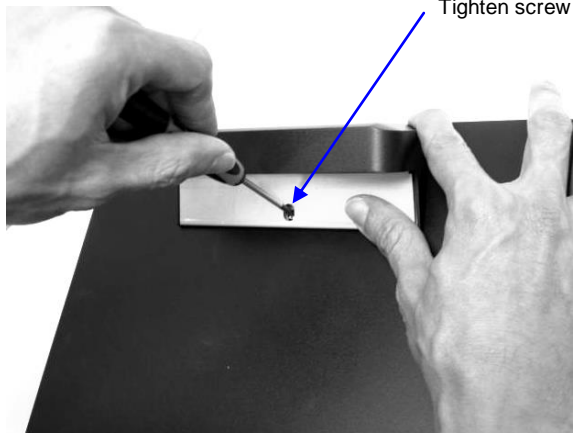
3. Plug in the connector from the customer display module onto the connector slot in the orientation shown (see picture below).



4. Align the 2 catches towards the slots and make sure they are engaged firmly into the slots (see picture below).



5. Tighten the M3x6 screw that comes together with the customer display module, to secure the customer display unit (see picture below).



6. Customer display unit is now installed (see picture below).



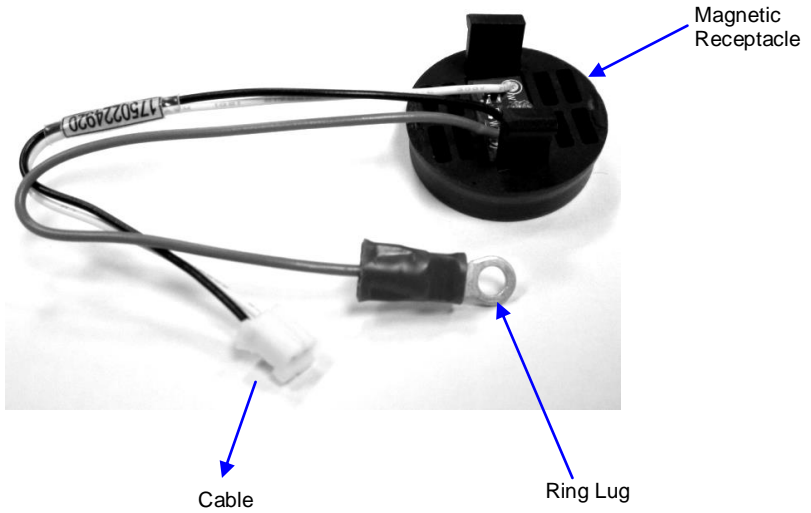
Installing Waiter Lock module onto the system

1. The Waiter Lock module could be installed at the location as indicated in the picture below.

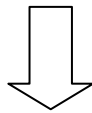
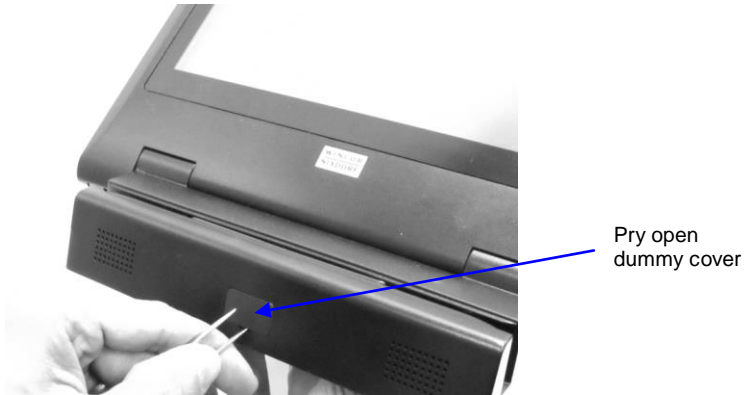


Location to install waiter lock

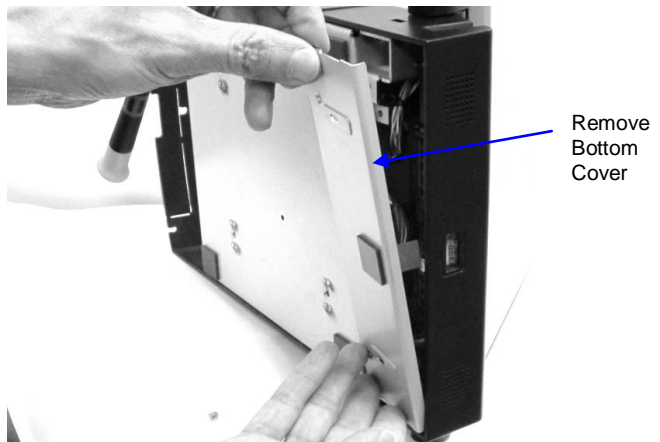
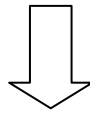
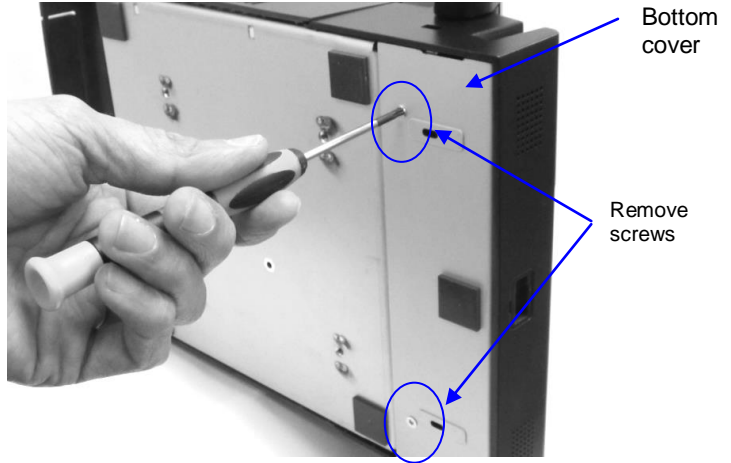
Waiter lock module



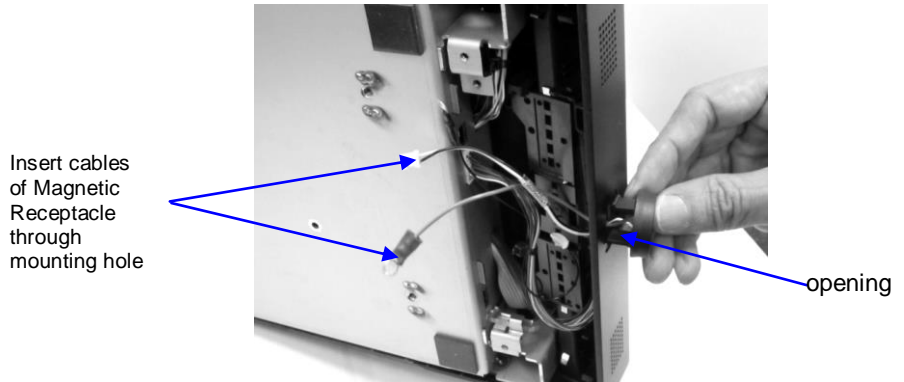
2. Gently pry open the waiter lock dummy cover at the front of the system using a pair of tweezers or a small flat-tip screwdriver (see picture below).



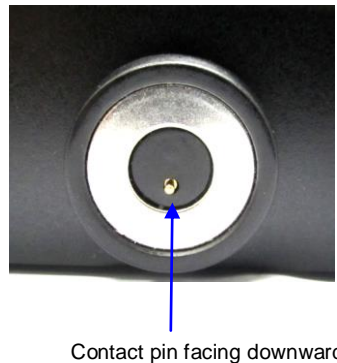
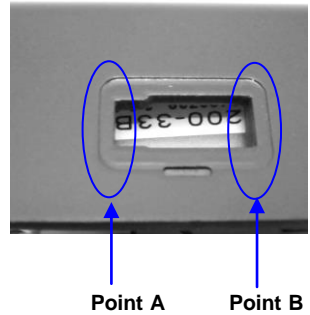
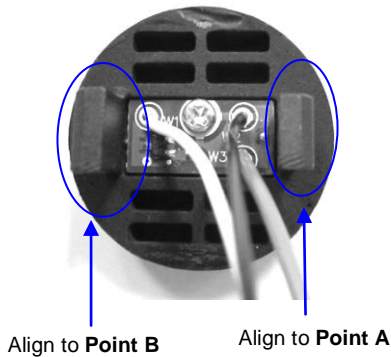
3. Remove the Bottom Cover by removing the 2x M3 countersunk screws as shown in the picture below.



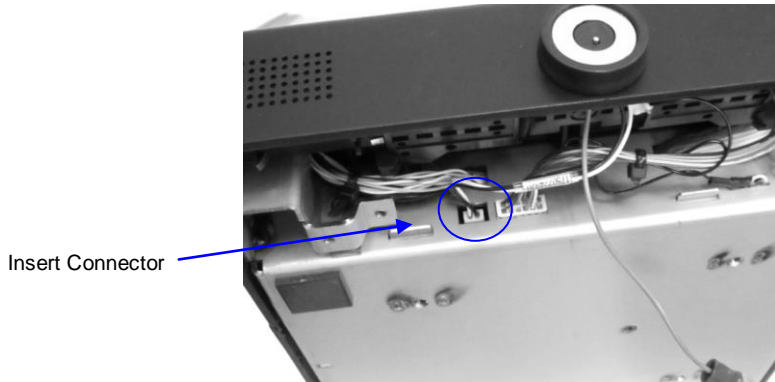
4. Insert Magnetic Receptacle cables through the opening at the front as shown (see picture below).



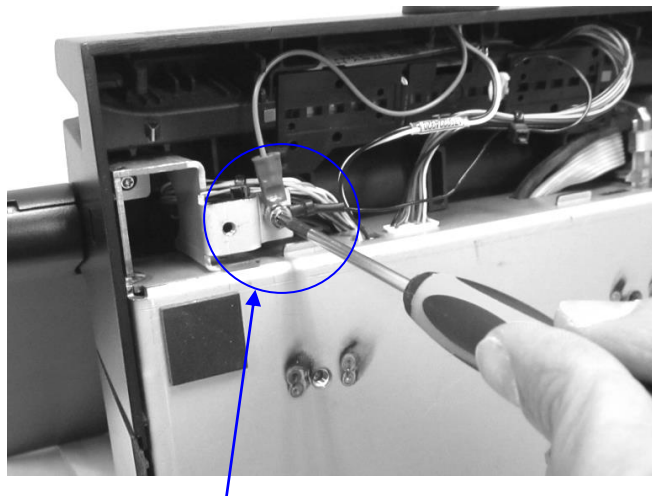
5. Latch gently the Magnetic Receptacle into the opening and ensure that the 2 catch are engaged firmly. Note that the dimension of the 2 insertion slots are different hence please ensure that the Magnetic Receptacle is inserted in the correct orientation. When the Magnetic Receptacle is correctly installed, its contact pin should be facing downward as shown below.



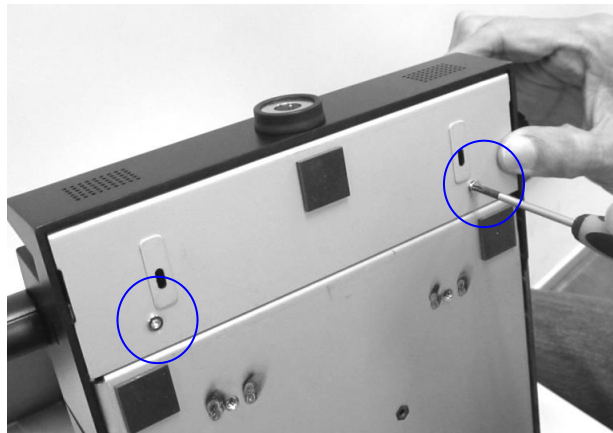
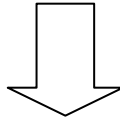
6. Plug in the signal wire cable at the location as shown (see picture below).



7. Remove the M3 screw at location shown. Align the ring lug of the ground cable to the threaded hole and tighten with the M3 screw.



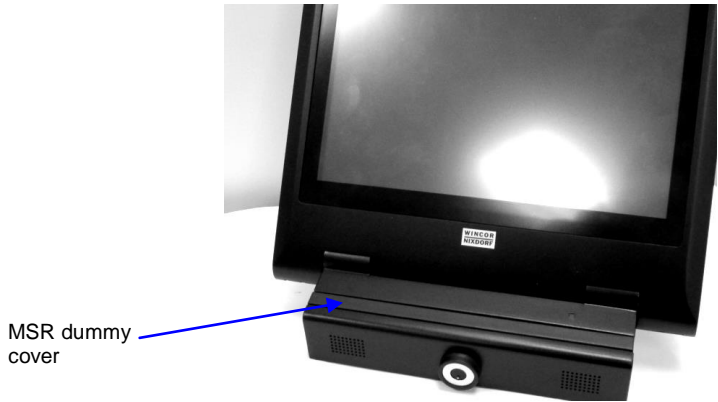
8. Reassemble the Bottom Cover and tighten it with the 2x M3 countersunk screws



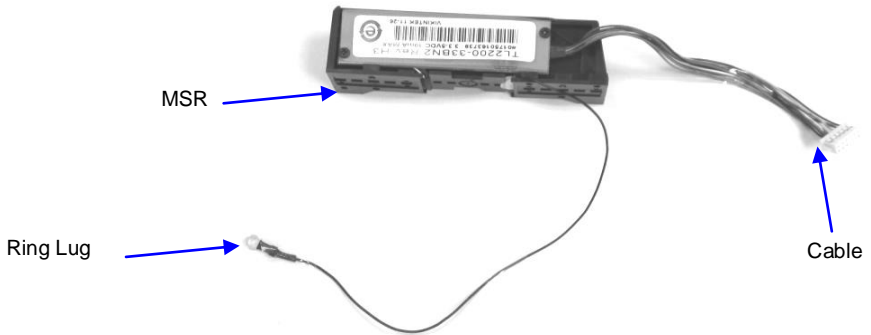
9. The Waiter Lock module is now installed (see picture below).



Installing MSR module onto the system

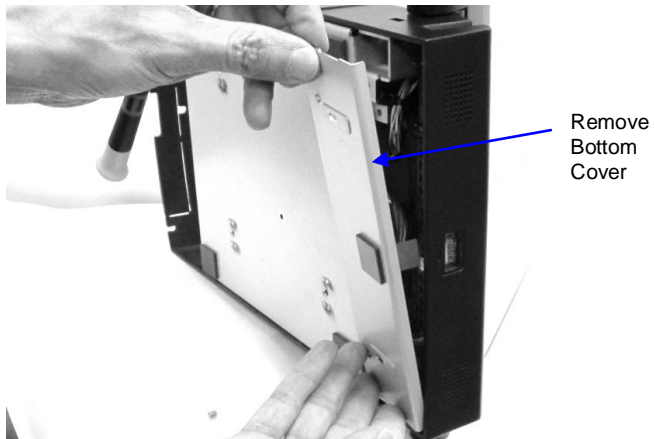
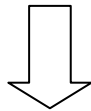
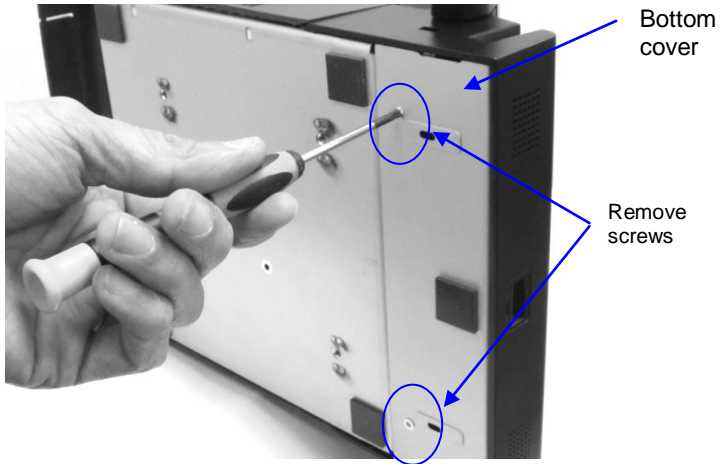


1. Below is the list of components

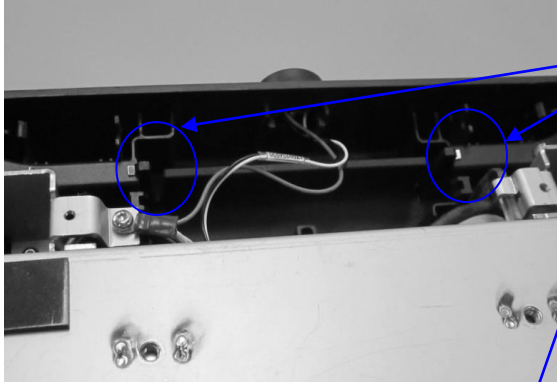


MSR module

2. Remove the Bottom Cover by removing the 2x M3 countersunk screws as shown in the picture below.



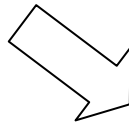
3. At the bottom part, gently pry open the 2 catches to remove MSR dummy cover (see picture below).



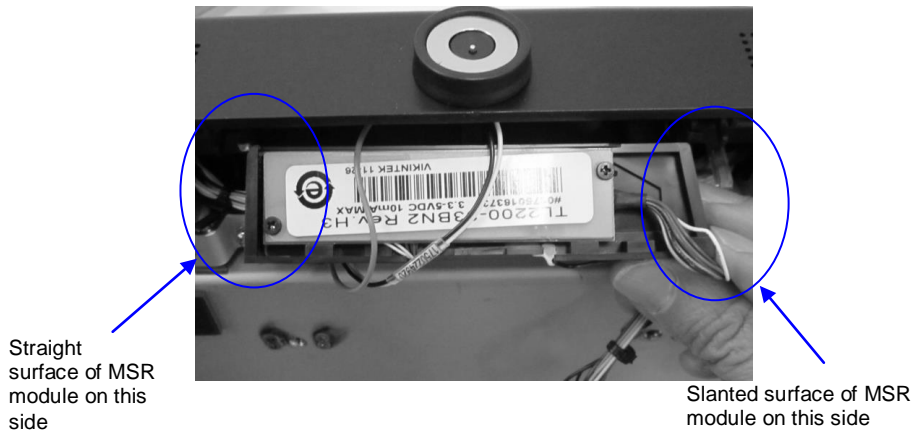
Pry open 2 catches

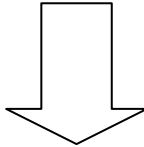
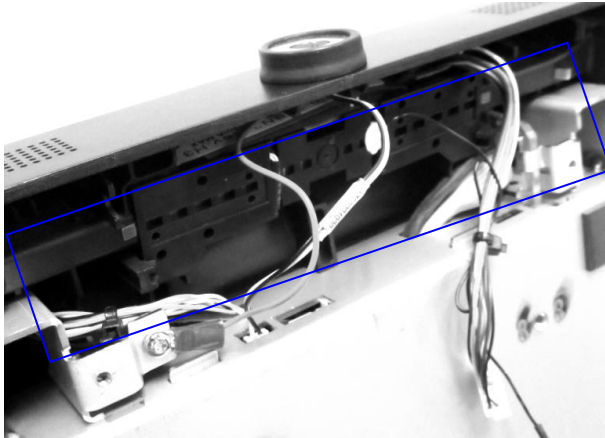


Remove dummy cover

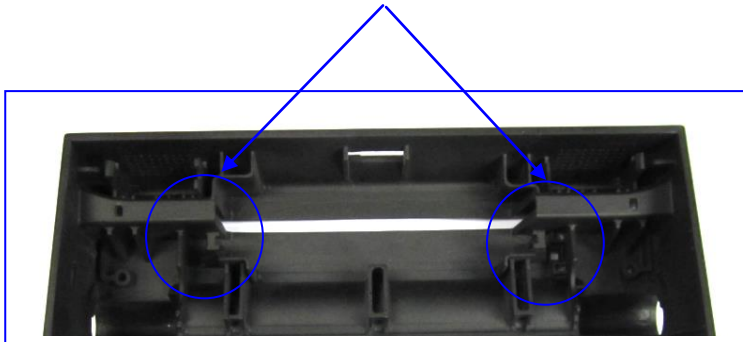


4. Orientate the MSR module and align to the MSR compartment. Insert until the 2 latches catch the MSR module as shown below.

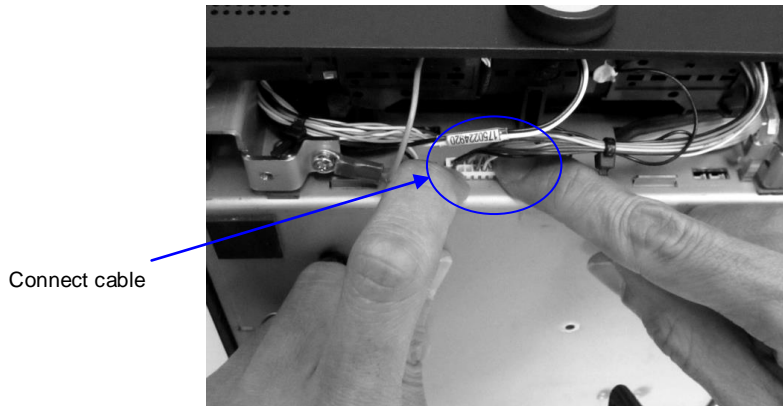




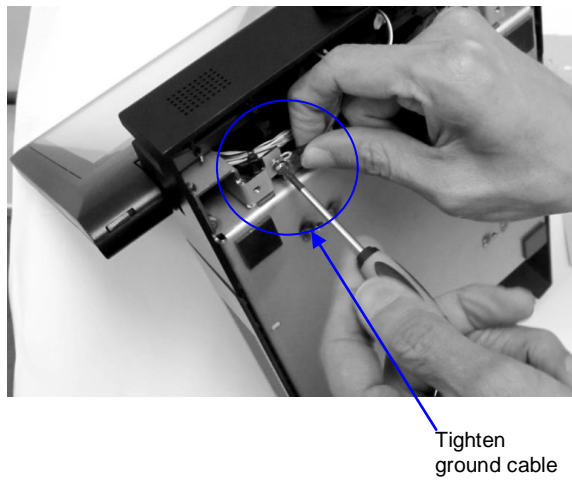
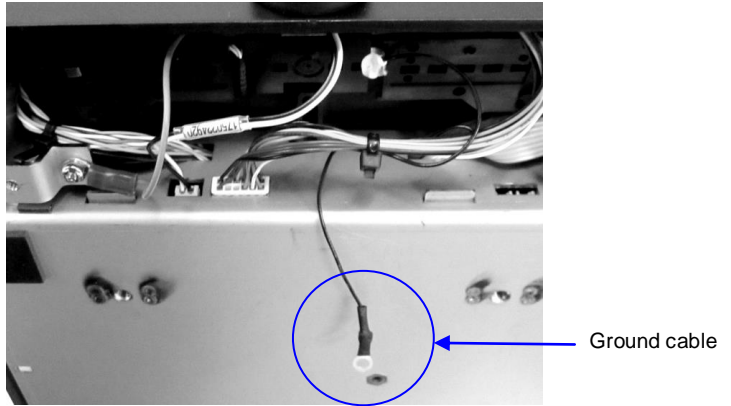
2 catch to hold MSR



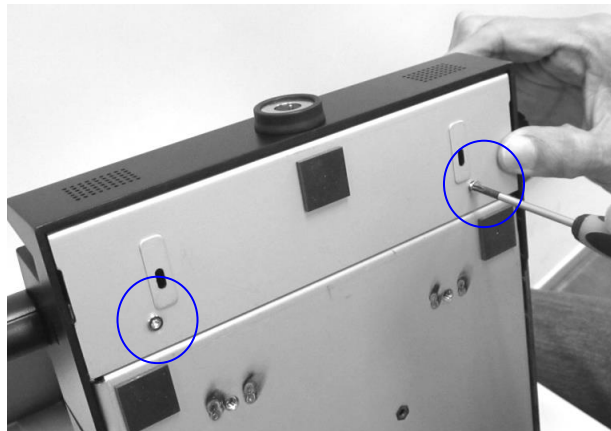
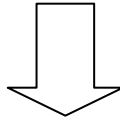
5. Connect the cable of the MSR module at the location as shown.



6. Tighten the ring lug of the ground cable at the location shown.



7. Reassemble the Bottom Cover and tighten it with the 2x M3 countersunk screws.



Appendix

Technical Data

	BEETLE/ Express	BEETLE/ Express 15
Display size	10.4"	15"
Dimensions		
Height	285 mm	354 mm
Depth	293 mm	293 mm
Width	263 mm	360 mm
Weight of device (approx..)	3.3 kg	4.8 kg
Climatic category		
Operating	IEC 721-3-3 class 3K3+ 5° to +40°C	
Transport	IEC 721-3-2 class 2K2 -25° to +60°C	
Storage	IEC 721-3-1 class 1K2 +5° to +40°C	
Rated Input voltage	19V DC (nominal)	
Rated Input current	3.42A	
Certifications	CE, FCC, CB, UL, cUL, TUV-GS, CCC, BSMI	

AC Power Adapter

The AC power adapter used must be Wincor Nixdorf's qualified and has to meet the following minimum requirements and industry standards:

Power Input	100 - 240 Vac, 50 to 60Hz, auto-ranging
Power Output	19VDC 65W
Approvals & Certification	CE, FCC, CB, UL, cUL, CCC and BSMI

Power Cord Selection

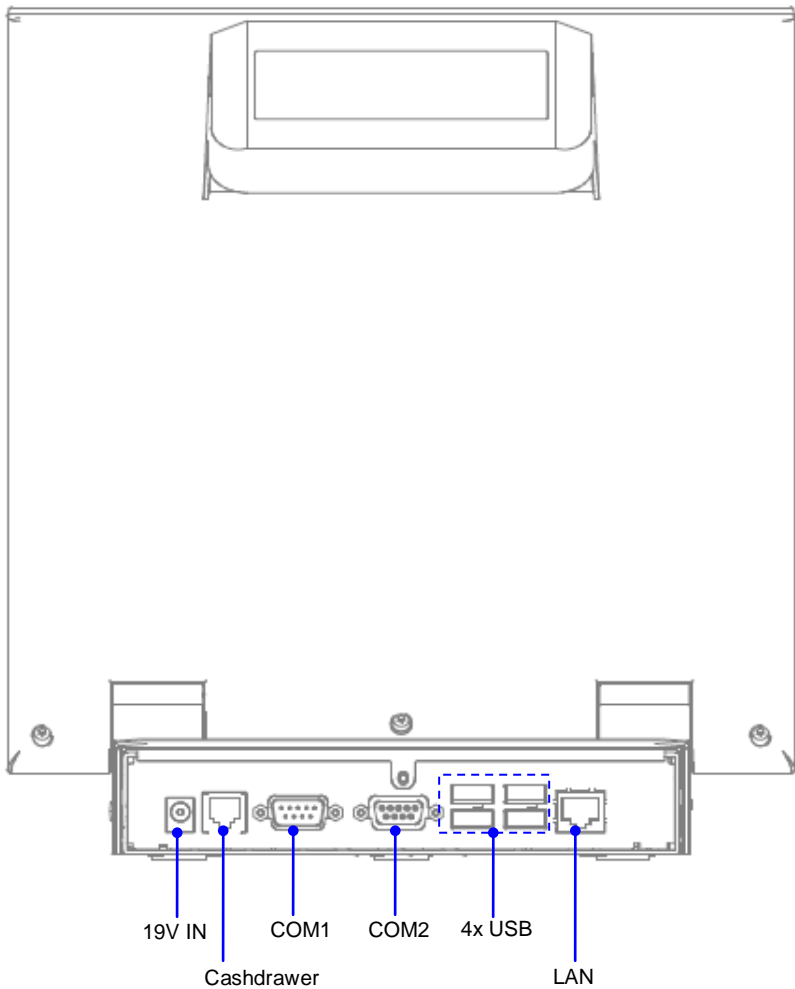
If the power cord is not provided with the system, the user has to ensure that a certified power cord is used as required by the Safety Regulation of the country.

Countries	Safety Approvals
USA	UL
Canada	CSA
Germany	VDE
Japan	PSE
Taiwan	BSMI
China	CCC

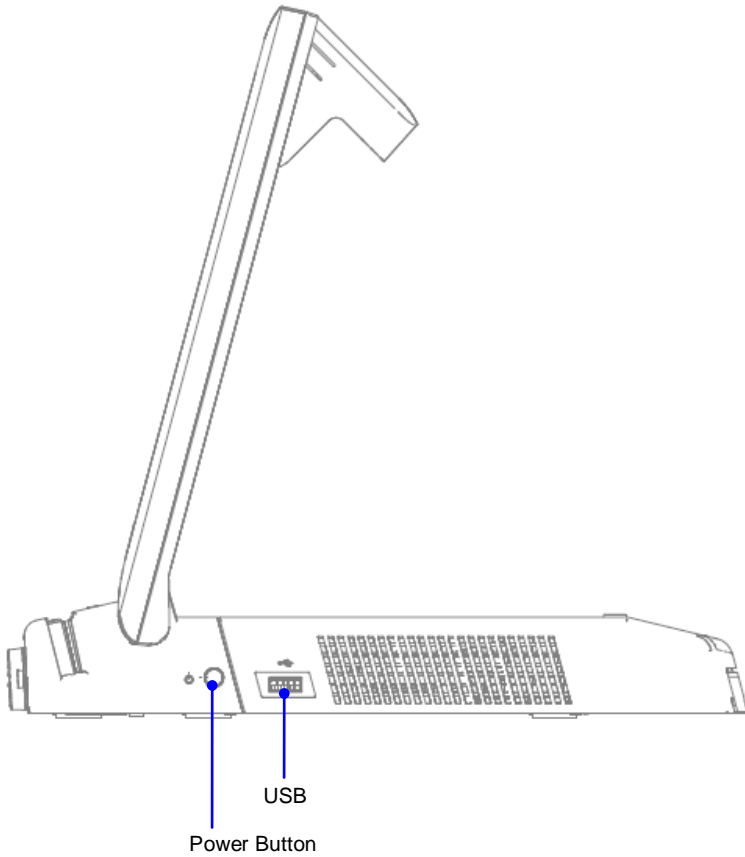
For other countries not mentioned in the above list, please check with the local authority.

I/O connection ports

Rear Panel



Side I/O



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