

Swing Next

Cambiavincite



EN



Operating manual

GUIDE TO THE SYMBOLS IN THE MANUAL

The following symbols are used in this manual
to facilitate its understanding



Important information



Read carefully before use



Warning!

DECLARATION **CE** OF CONFORMITY

EN

THE MANUFACTURER: SUZOHAPP
Antonie Van Leeuwenhoekstraat 9
3261 Oud-Beijerland LT NL

DECLARES That the product:

TYPE: Cash-in machine
TRADEMARK: Comestero
MODEL: Swing Next

Complies with that foreseen by the following EU directives,
including the latest amendments, and with relative national legislation of transposition:

2004/108/EC
2006/95/EC

And that the following harmonised standards were applied:

EN 55014-1
EN 55014-2
EN61000-3-2
EN61000-3-3
EN62233
EN 60335-2-82 used in conjunction with
EN 60335-1

SAFETY INFORMATION

This machine is equipped with safety devices to prevent damage due to short circuits and fire.



These devices must not be bypassed, removed or disabled for any reason.

If it is absolutely necessary to disable the devices to carry out maintenance or servicing, operate on the appliance only when the power supply has been switched OFF.

The safety devices have been constructed in compliance with existing regulations.

We recommend that the operator periodically carries out checks to make sure the devices are in good working order.

Risks deriving from using the machine

The device is intended exclusively for indoor use.

If maintained in good operating conditions and installed correctly (according to the instructions of this manual), the machine does not pose any danger for the operator. Personnel in charge of charging the dispensers, switching the device on and of servicing the machine must be aware that all movable parts, doors, cash point, can cause injuries if not properly handled; it is also recommended to disconnect power when performing any operation with the device open (maintenance, etc.)



Electrical hazards: direct contacts during connection to the main power supply.

Operations must be carried out by a **qualified technician**.



Crushing hazards during movement of movable parts of the device.

The compartments must be opened and closed slowly and carefully.

Hazards during machine installation and setup

Follow the machine installation instructions provided in this manual so that risks for people and property are minimal.



Crushing risk when handling and positioning the equipment.

All equipment transport operations must be carried out by a **qualified technician** specialized in load handling operations (forklift operators, etc.).

Caution:

- Use lifts and equipment with suitable harnessing
- Perform these operations with the area clear of obstacles or people
- Before lifting the machine, always make sure that the load is stable and perform movements with extreme caution to keep it away from swaying



Crushing risk when handling and positioning the equipment.

All equipment transport operations must be carried out by a **qualified technician** specialized in load handling operations (forklift operators, etc.).

Caution:

- Make sure that the distribution line is sized according to the intensity of the current absorbed by the machine

- Set up the grounding system before connecting the machine and its accessories

Hazards during machine maintenance



Electrical hazards: direct contact with live parts within the electrical cabinet.

Operations carried out by a **qualified technician**.

Caution:

- Service the machine only after the main power supply has been switched OFF

Signs

The device is supplied with signs composed of warning labels bearing conventional danger indication pictograms with reference symbols and/or wording. The labels are positioned near the danger zones.



GENERIC HAZARD



ELECTROCUTION HAZARD



GROUNDING

GENERAL WARRANTY

Please read the following carefully in order to understand the general warranty conditions for this product.

ART. 1 - Scope of application

These general terms and conditions shall apply to all the goods and services provided by our company. Placed orders shall imply the full and unconditional acceptance of these general terms and conditions of sale. The contract of sale shall be considered perfected when the Purchaser receives the order confirmation from the Seller.

ART. 2 - Electromagnetic compatibility and safety

Our company certifies that the supplied goods comply with the standards concerning electromagnetic compatibility and safety; mandatory declarations are indicated in detail in the plates and labels affixed on the products and in the technical documentation attached or available at our premises. The recipients of the supply undertake to use or market the supplied goods, ensuring the integrity, completeness and usability of such information.

ART. 3 – Warranty

Except in cases where the mandatory provisions in Leg. Decree No. 206/2005 (“Consumer Code”) or in other relevant laws are to be applied, the goods and services are supplied under warranty by our company for a period of 12 months. This period starts from the date of purchase of the product. The warranty is exclusively limited to the normal operation of the goods supplied and to the result of the service provided. The warranty exclusively involves the repairs or replacement of the goods. Restoration of the goods to their normal operative state shall be carried out in our factory. Although not provided for here, Art. 1512 CC is also applicable in terms of revocation and limitation.

Our company shall not be liable in any way for operation of goods supplied in environmental conditions or technical conditions other than those established by our specifications, usually set out in the technical documentation. Any liability for direct or indirect damage not deriving from a malfunction is expressly excluded.

The warranty is void and null if the purchaser is insolvent in paying the established price.

The warranty does not apply in the following cases:

- lack of or improper maintenance, even if carried out by qualified personnel;
- repairs or alterations made by the purchaser on his unilateral initiative;
- inadequate or irregular voltage in the power lines, insufficient flow rate and abnormal electrical systems;
- corrosive action of detergents;
- poor or non-functioning software or hardware or loss of data recorded by the purchaser as a result of storms, lightning, high temperature or voltage variations of the electric current, earthquakes, fire, etc.;
- with reference to all the electrical components and mechanical plastic moving parts subject to normal wear, which must be replaced during routine maintenance;

- where the products have been used in conjunction with or incorporated into equipment or materials whose specifications have not been approved in writing by the selling company;
- tampering with the label showing the serial number of the machine;
- fault or breakage due to transport, acts of vandalism, natural calamities or wilful damage;
- wrong or bad installation of the product;
- carelessness, negligence or lack of skill in using the product;
- failure to comply with the operating instructions in the technical manual;
- interventions for alleged defects or casual checks;
- repairs carried out without our authorization.

Malfunctioning of the machine due to the software not being upgraded is not considered a defect. SUZOHAPP is not obliged in any way to upgrade the software free of charge or upgrade the mechanical components which may be necessary due to new coins or banknotes being introduced by the Italian and European authorities, when repairing a product that is covered by the warranty. However, such upgrades could still be requested from SUZOHAPP and the company is obliged to send a quotation to the customer prior to intervention. Any repair or tampering carried out on the supplied goods by subjects who are not authorized by us will render the warranty null and void.

We declare to have carefully considered, to the best of our knowledge and manufacturing practices, the issue related to preventing the goods supplied from being violated by persons who intentionally intend to alter their operation. However, we shall not assume any liability for illegal conduct or damage that may result from fraudulent use of the goods supplied. All required repairs not covered by the warranty must be paid for and the SUZOHAPP price list shall apply whose updates are regularly communicated.

ART. 4 – Limitation of Liability

Notwithstanding the hypotheses in art. 1229 of the Italian Civil Code and notwithstanding the mandatory provisions of law, for every damage caused directly or indirectly by failures or delays of the Seller or by the purchased products to objects or persons, including but not limited to lost profits and damage to the corporate image, the compensation payable by the Seller shall not exceed, in any case, 10% of the amount paid by the Purchaser for the product that caused the damage.

ART. 5 – Delivery

The goods subject of the supply are considered delivered at the time and in the place they are passed on to the carrier; therefore, our company shall not be held liable for total or partial shortages, damage or delays related to transport. Upon delivery, the recipient must duly note any errors or damage on the bill of lading. The Purchaser's refusal to accept or collect all or part of the ordered goods does not suspend obligation to pay. The terms of delivery indicated in the order confirmation allow for a grace period of 60 days. Upon delivery, the Purchaser must carry out a complete technical verification of the quality and

functionality of the product within eight days. If not, the product shall be considered accepted without reservations or objections by the Purchaser.

ART. 6 - Retention of Title

The supplied goods shall remain the property of our company until full payment of the price has been made. In the event of termination of the contract for non-payment, the Seller is entitled to claim the unpaid items held by the Purchaser, which must be returned at the Purchaser's expense. All sums already paid will be retained by the seller as compensation and penalty.

ART. 7 – Terms of payment

Invoices must be paid in accordance with the agreements and within the deadline specified on the invoice. Any delay in payment will automatically result, without the need of formal notice, the application of interest at the rate stipulated in Legislative Decree no. 231 of 9.10.2002, unless agreed otherwise. If the purchaser delays, each benefit in the terms and conditions that may have been granted shall be deemed null and void and the seller may demand immediate payment of all outstanding amounts as well as of additional orders on receipt of the goods.

ART. 8 – Returns

Return of faulty goods or of goods requiring our assistance must be expressly authorised by us. Therefore, we reserve the right to reject the return or ask you to return the good to another destination other than our headquarters. We shall be liable for the goods only when it will be delivered to the indicated address.

ART. 9 - Applicable law and court of jurisdiction

The supplies regulated by these general terms and conditions are governed by Italian law. Any dispute shall be resolved by the Court of Milan.

Dear customer,

Thank you for choosing a SUZOHAPP product; by following the instructions of this manual carefully you will be able to appreciate and be satisfied by its quality.

Please read the operation and maintenance instructions carefully, in compliance with the safety provisions, before using the machine and store this manual for future reference.



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1. Introduction

This manual and its annexes provide all the necessary information for a correct installation of the product and all its parts, as well as for its correct use and maintenance.

The information contained in this technical manual can be modified without prior notice and do not constitute a commitment on behalf of SUZOHAPP.

The information contained in this document has been collected and verified with the utmost care; however, SUZOHAPP has no liability arising from its use. When not specified otherwise, all references to companies, names, contacts and addresses used in the examples are purely fictional and have the aim to illustrate the operation of the product.

The reproduction of any part of this document, even partially, in any form without express authorization by SUZOHAPP, is prohibited.

When you want to learn more about how to use the product or you are unsure on how your device should function, see the support pages on the SUZOHAPP website at: eu.suzohapp.com

2. Product Presentation

Swing Next is the new compact cash-in machine with noteworthy performance. Suitable for any type of environment, thanks to its small size, Swing Next has not competitors in terms of reliability and safety.

Technologically advanced, it's the perfect answer to every need: in a small space, in fact, it performs all the normal functions of a cash-in machine, ensuring the operator with a high speed validation and counting (4 coins per second) and a great ease of use and maintenance. The refill key allows to automatically recharge the machine, to view the machine accounting and to disable, by necessity, the banknotes dispensing without opening the money access door.

Easy to program through the internal menu (you can activate it using the dedicated button placed inside the door), it allows you to import, or to export, the configuration data via SD Card. Swing Next finally has a high degree of security against lock-picking attempts or tampering. Thanks to the armored cabinet, the safety locks equipped with 12 snag points and the high security side lock, Swing Next withstands any break-in attempt.

Swing Next is available in two different versions:

- with Comestero RM5 HD, SUZOHAPP Evolution Hopper and JCM iPRO-RCTM banknote validator
- with Comestero RM5 HD, Innovative Technology Smart Hopper and JCM iPRO-RCTM banknote validator

3. Warnings



Read this manual carefully before installation.

Knowledge of the information and instructions of this manual is fundamental to use the product correctly. Check upon receipt that the package and the product have not been damaged during transport. Take care with the electrical connections. Faults due to failure to observe the warnings provided in this publication are not covered by warranty. Specific symbols are used in this document to highlight the situations that require special attention.

4. Handling and unpacking

4.1 Reception of packaged product

Check upon receipt that the product has not been damaged during transport. If any damage is noticed, notify the transporter immediately.

After transport the package must be intact, that is, it must not:

- Show dents, signs of shocks, deformation or breakages of the container
- Show areas that are wet or signs that would point to the fact that the casing has been exposed to rain, frost or heat
- Show signs of tampering

Check that the content of the package matches the order.

After a first inspection, reinsert the machine in its packaging to move it to its final point of installation.

4.2 Handling



To prevent any damage to the machine, it is recommended to transport it exclusively inside its original packaging. Given the weight of the machine, this packaging is secured to a wooden pallet that makes it easier to load and unload using pallet trucks. We recommend handling Swing Next only by means of automatic or manual forklifts designed to handle packages.

N.B.

It is recommended, whenever you need to move the equipment, you ensure the unit with tape, the cash and the tray shown in Figure 1. This is to avoid the internal parts of Swing Next will be damaged or the door will be fitted.

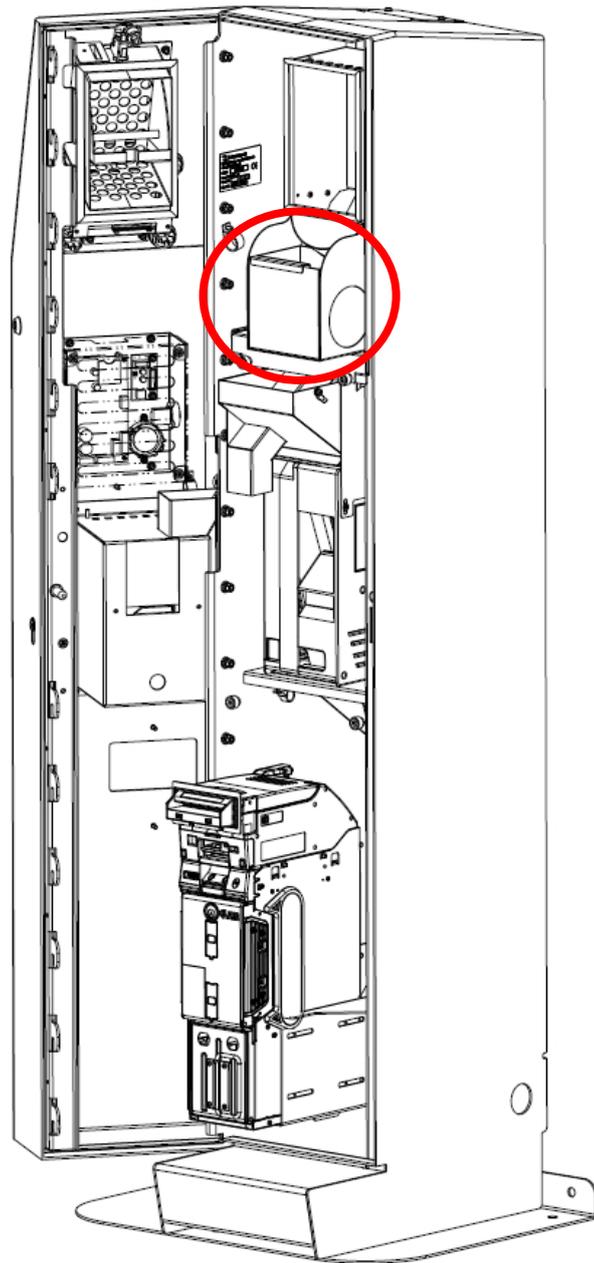


Fig. 1

We recommend:

- NOT to drag the machine
- NOT to turn over or lay down the package during transportation and handling
- NOT to bump the machine
- NOT to leave the machine (even if still in its packaging) exposed to atmospheric agents

4.3 Unpacking

The equipment is delivered, approved and equipped in corrugated cardboard packaging, which ensures its integrity during transport and handling. This packaging, as previously specified, is secured to a wooden pallet.



To unpack the machine we recommended to follow the instructions printed on the packaging.

Both the cardboard enclosure and the pallet are products which meet the recycling and waste disposal standards (comply with standards in force in your country).

4.4 Appliance identification

Figure 2 shows the identification plate bearing the main operating features and machine identification. The serial number printed in the box is especially important.

This number must always be provided when requesting assistance, spare parts, repairs or information concerning operation of the equipment.

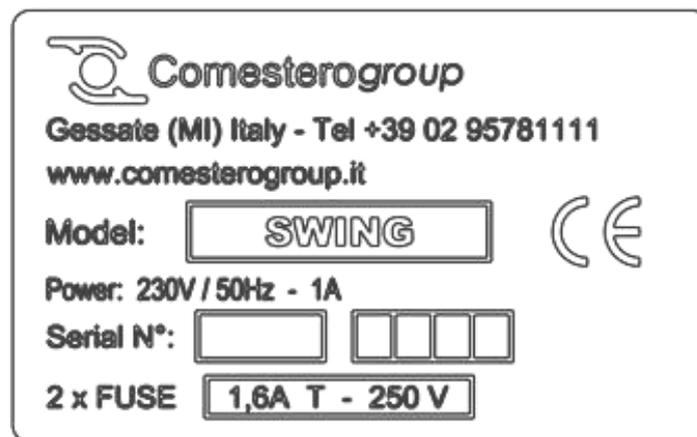


Fig. 2

Each device has two identification plates, one applied externally, to the rear wall of the machine, and the other applied to the inside, on the inner left side of the cabinet, as shown in the Figure 3 below, making it possible to read the serial number even if the machine is hung on a wall.



Fig. 3

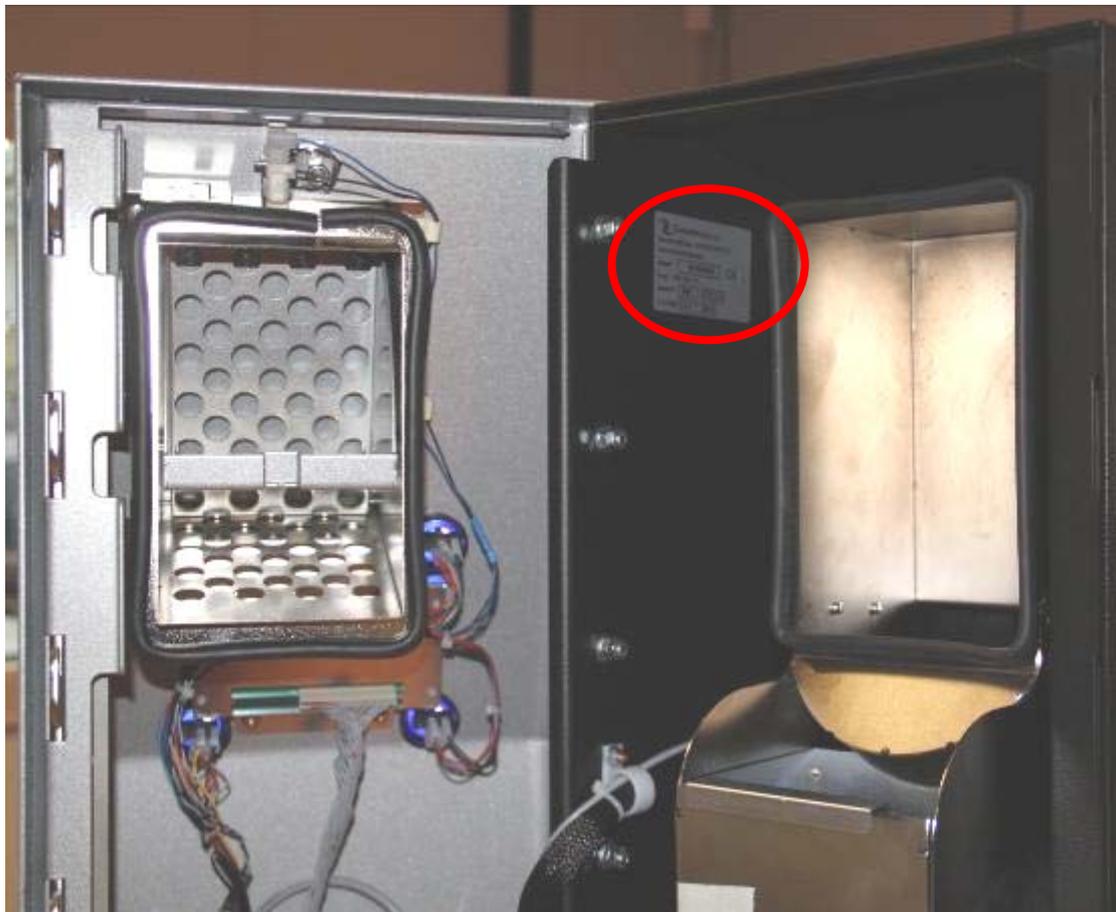


Fig. 4



The identification plate is applied to the machine and must be legible. It is prohibited to remove it or to tamper with its data. Should it be damaged or lost, ask the manufacturer to have it replaced with a new one. Remember that the warranty is linked to the identification number of the machine.

4.5 Name of parts

4.5.1 External view

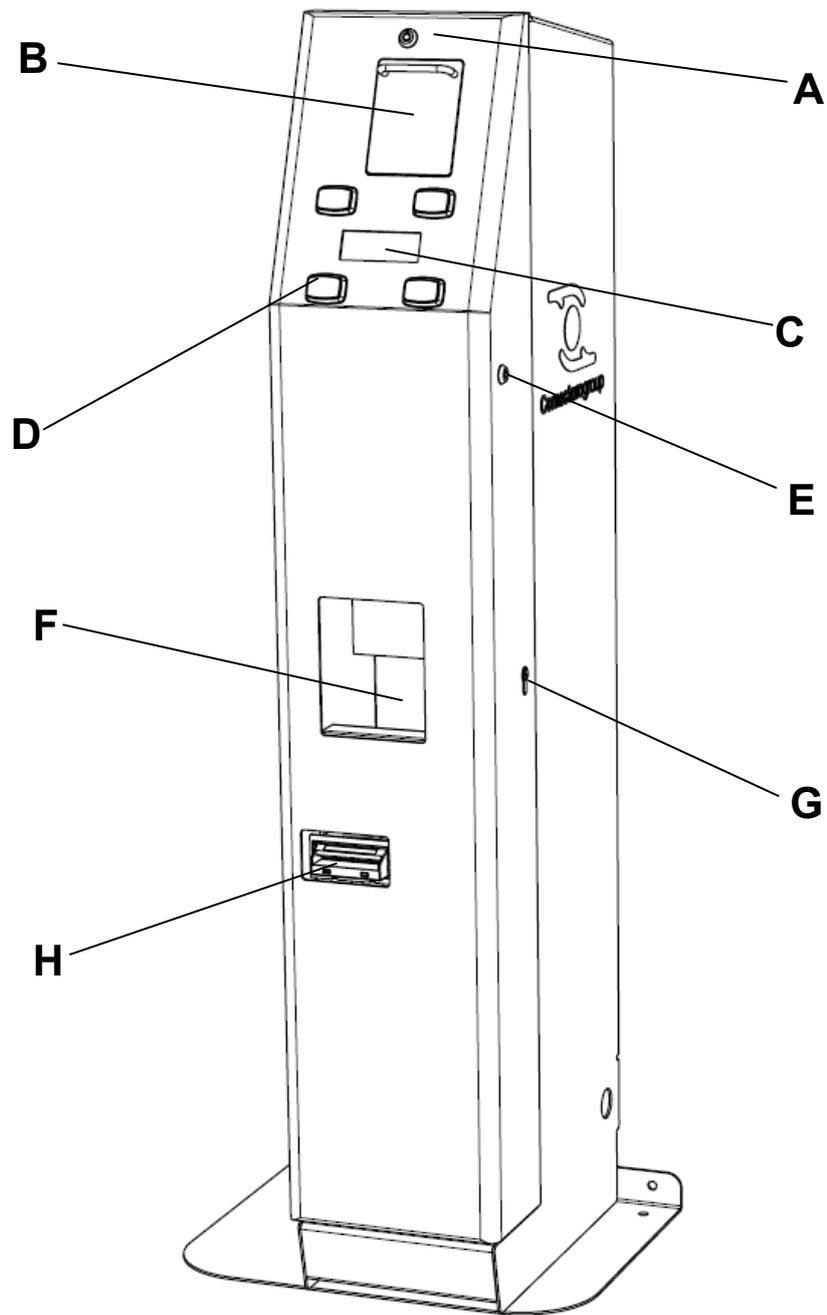


Fig. 5

- A. Lock to open the pivoting drawer
- B. Swinging drawer for coin introduction
- C. Display
- D. Selection buttons

- E. Lock for the activation of the external configuration menu (refill lock)
- F. Coins out
- G. Lock to open door
- H. Banknotes in / out

4.5.2 Internal view version with Evolution Hopper

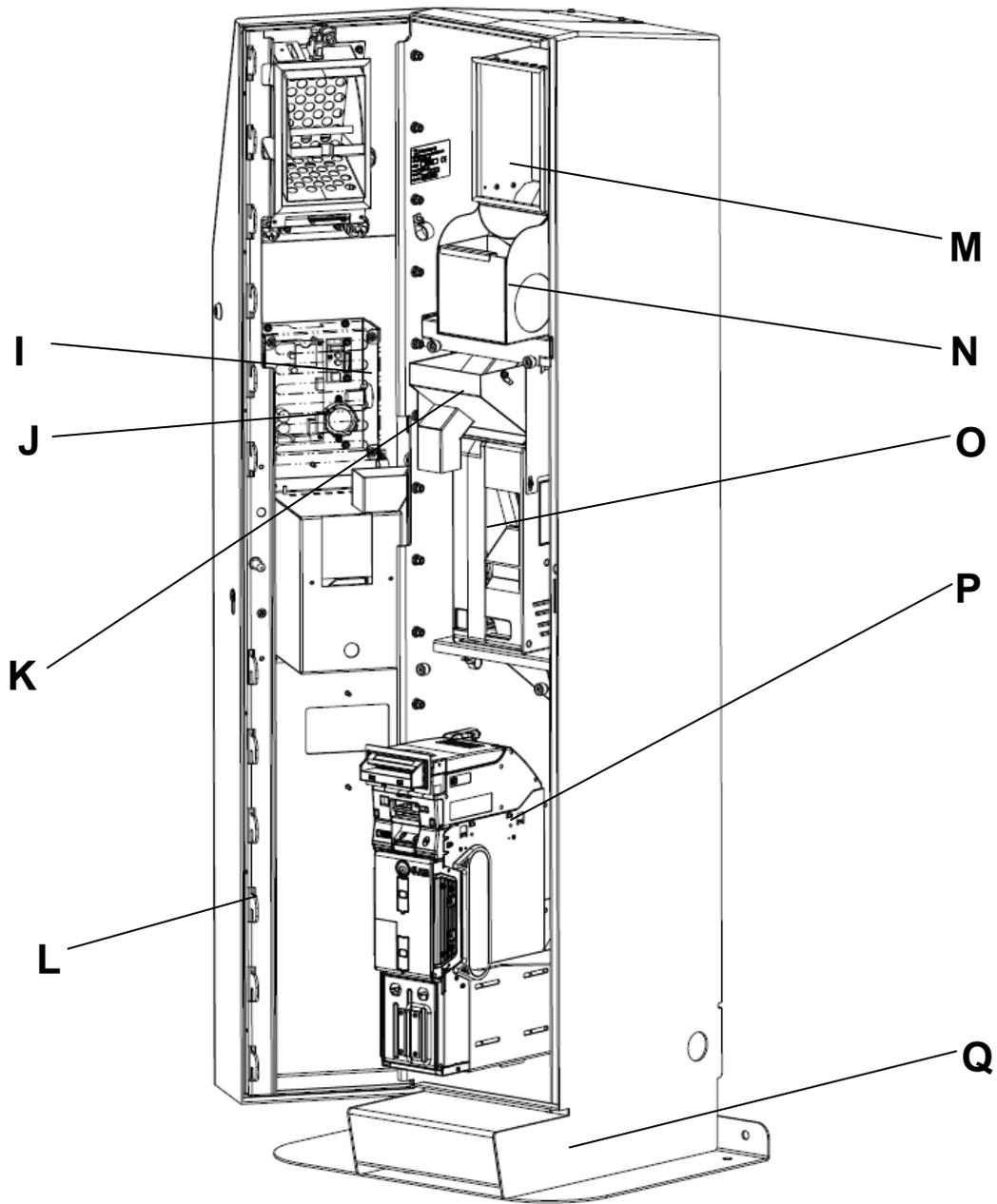


Fig. 6

- | | |
|---------------------------------------|--|
| I. Internal configuration menu button | N. Drawer for extraneous objects |
| J. Speaker | O. Single coin Evolution Hopper |
| K. Evolution Hopper extension | P. Banknotes reader / dispenser iPRO-RC™ |
| L. 12-point closing system | Q. Stabilizing mass compartment |
| M. Single coin hopper | |

4.5.3 Internal view version with Smart Hopper

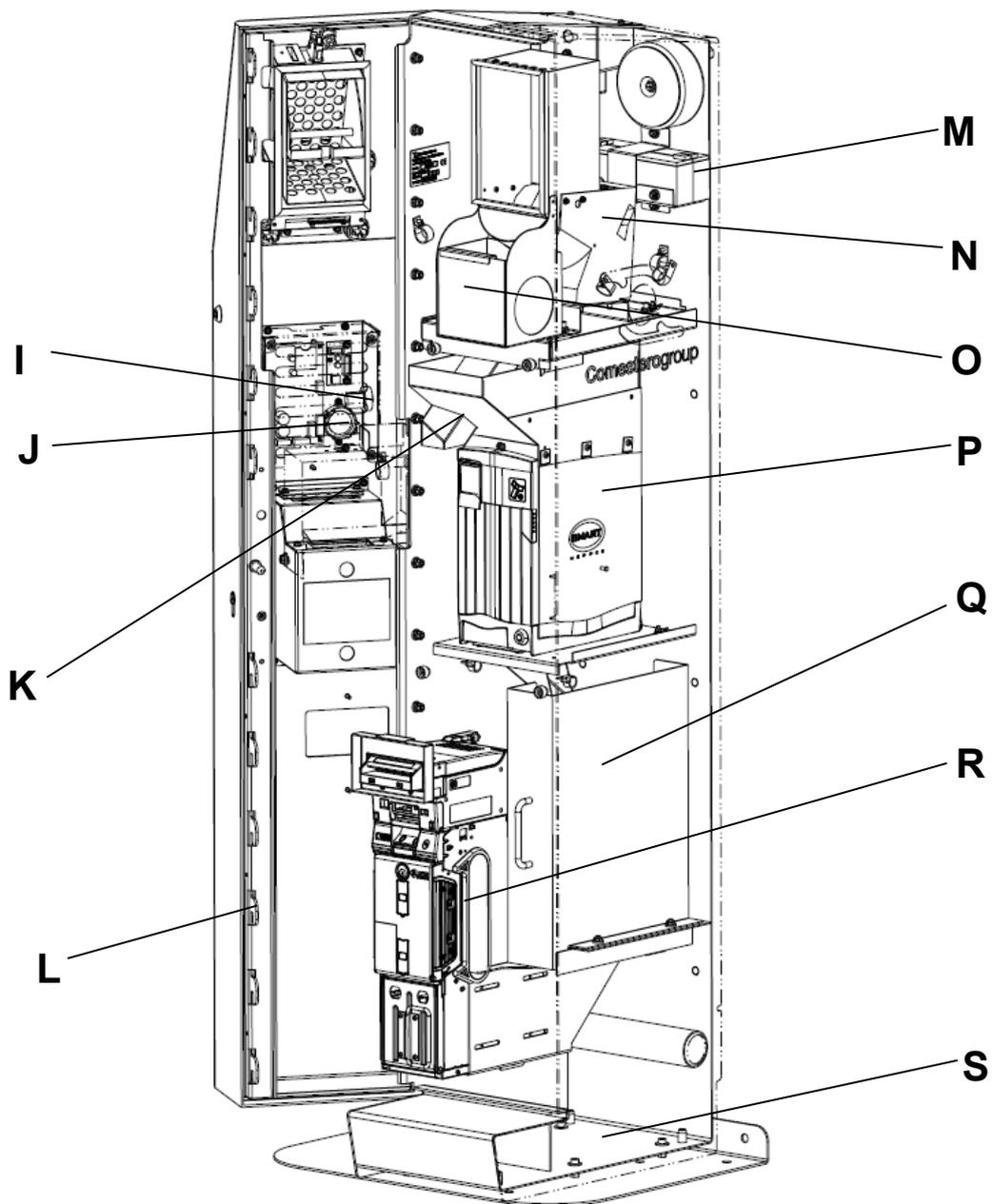


Fig. 7

- | | |
|---------------------------------------|---|
| I. Internal configuration menu button | O. Drawer for extraneous objects |
| J. Speaker | P. Multi coin Smart Hopper |
| K. Smart Hopper extension | Q. Cash box |
| L. 12-point closing system | R. Banknote reader / dispenser iPRO-RC™ |
| M. Battery | S. Stabilizing mass compartment |
| N. Single coin hopper | |

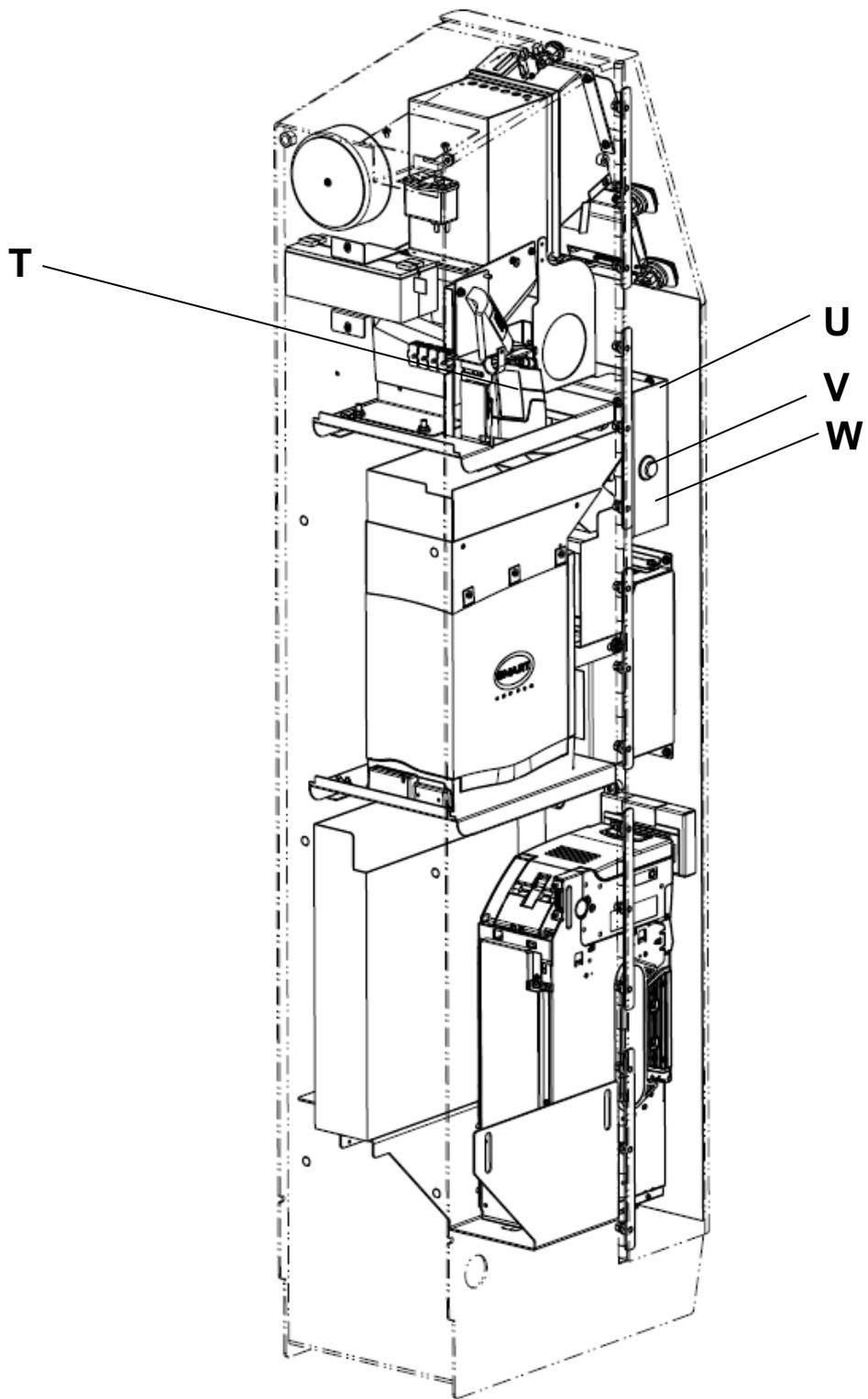


Fig. 8

- T. Comestero coin validator RM5 HD
- U. CPU
- V. Internal configuration menu button
- W. SD Card slot

4.6 Accessories

The product includes the following accessories as per standard in the pack:

- Operating manual
- SD Card (already installed)
- Access keys for the machine internal compartment
- Access keys for the external rapid menu (refill key)
- Key to open the pivoting drawer for coins.
- 2 irremovable stickers with scratch-resistant finish containing the instructions for the swinging drawer opening
- 4 feet stand
- 1 Power cable (already installed)
- 2 fuses (to be installed)

At least two copies of keys are provided for each lock that the equipment is fitted with.

We recommend arranging two sets of keys and keeping the spare ones in a safe place, which should be different from the place normally used for the service keys.

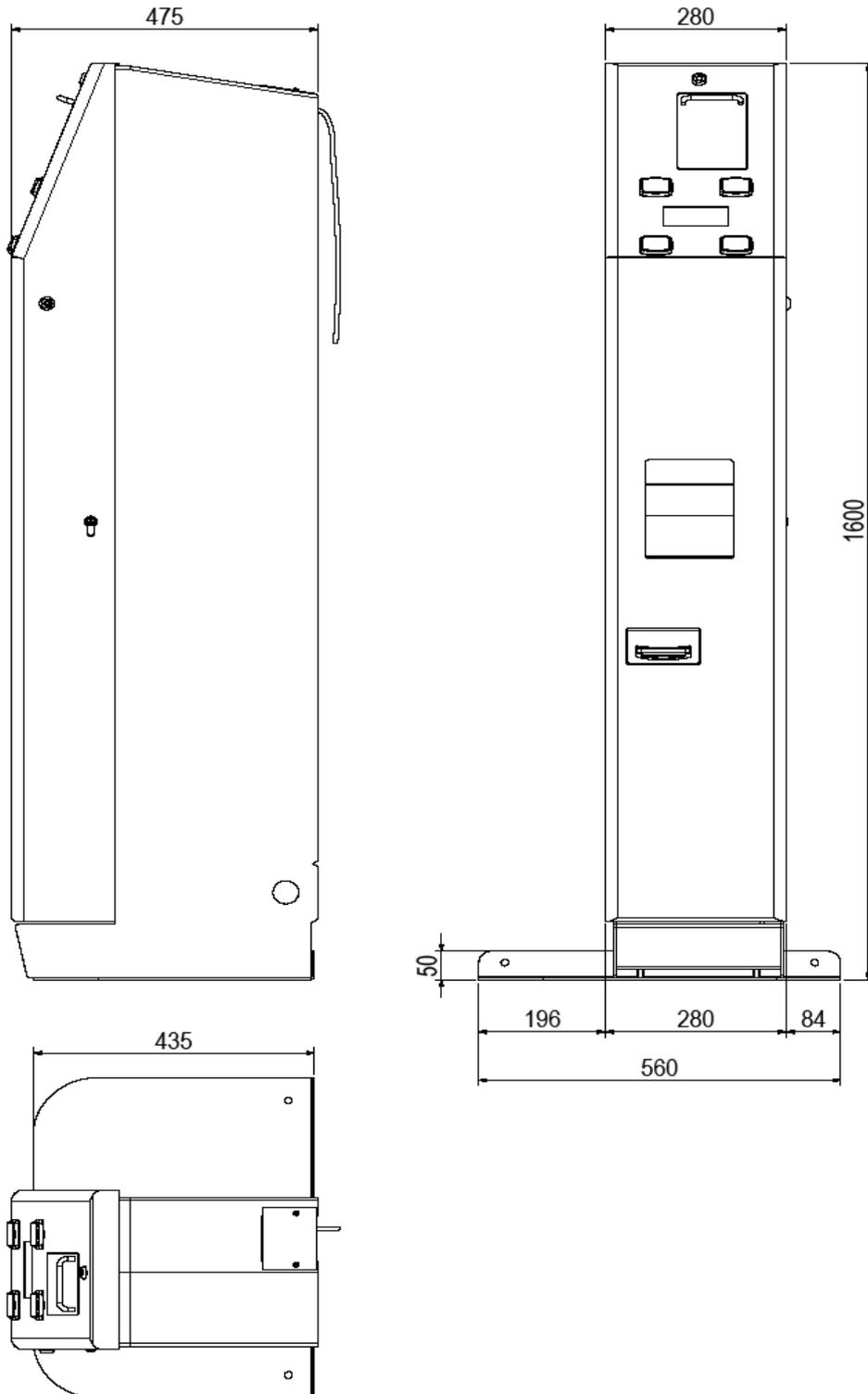
N.B.

We also recommend writing down the serial number engraved on each key; in this way, you can request a copy of the key from SUZOHAPP in case of lost.

5. Installation

5.1 Clearances

Below there are views of the equipment with the clearances that must be considered when positioning and installing it.



5.2 Wall fastening the equipment

Because of the reduced width of the equipment, to ensure stability in all conditions, especially when the door is fully opened, it is necessary to mount the anti-tipping base supplied with the equipment.

You can avoid mounting the appropriate anti-tipping base only in the event the stability of the equipment is ensured by one of the following installation modes:

- Fasten to the wall and/or on the floor with anchors.
- Fasten to the wall and/or on the floor using the dedicated bracket (optional accessory).

5.2.1 How to use the anti-tipping base (accessory supplied)

To ensure the stability of Swing Next it's necessary to use the specific anti-tipping base which allows you to guarantee the stability of the equipment under all conditions, even with the door fully open.

The anti-tipping base is supplied with the equipment. The anti-tipping mounting kit includes:

- Anti-tipping base
- 4 countersunk flat head screws with hexagon recess M6x10
- 4 hexagonal thread female / female M6x15 spacers
- 4 hexagonal socket head cap screws M6x10
- 4 plain washers Ø6x18

To mount the equipment on the anti-tipping base, illustrated in the following pictures, follow the instructions below:

- take only the anti-tipping base, place the 4 countersunk flat head screws with hexagon recess M6x10 in the dedicated holes under the base and screw the 4 hexagonal thread spacers M6x15 from the top side.

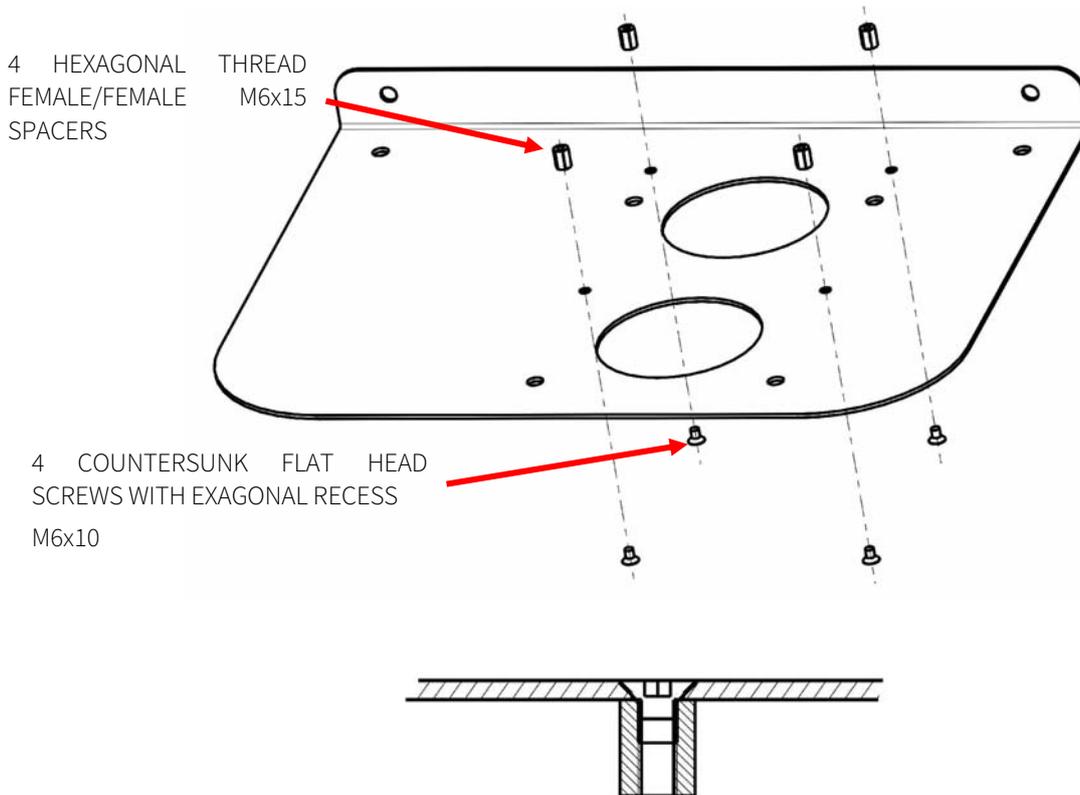


Fig. 10

- Place the anti-tipping base where you want to install the cash-in machine
- If you want to fasten the anti-tipping base to the floor, find some anchors adapted to its structure
- Drill up to 6 holes in the floor and up to 2 holes in the wall in correspondence of the dedicated holes in the anti-tipping base
- Secure the anti-tipping base on the floor by the anchors

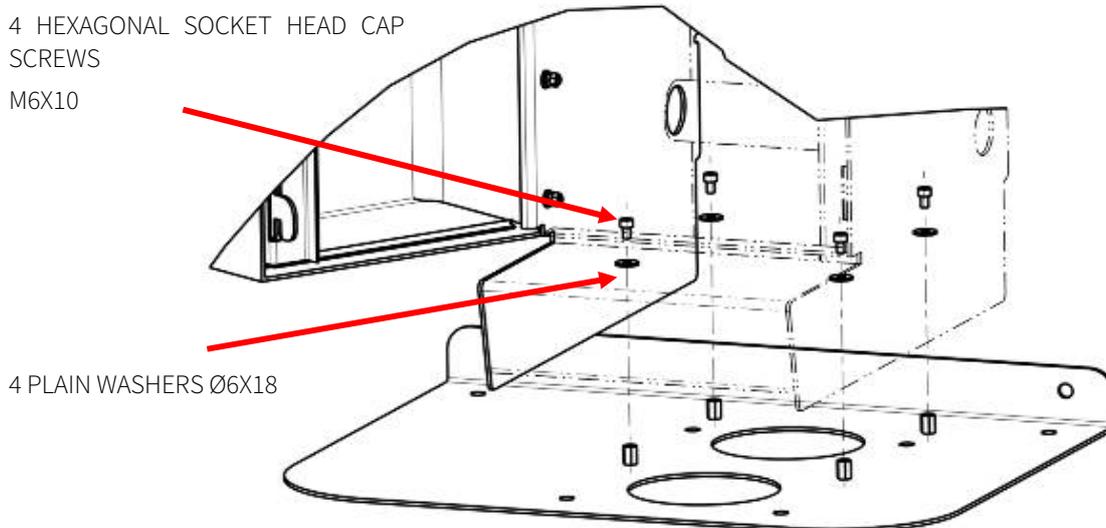


Fig. 11

- place the equipment on the anti-tipping base

-
- secure the equipment on the anti-tipping base with the 4 screws and 4 washers supplied as shown in the following picture

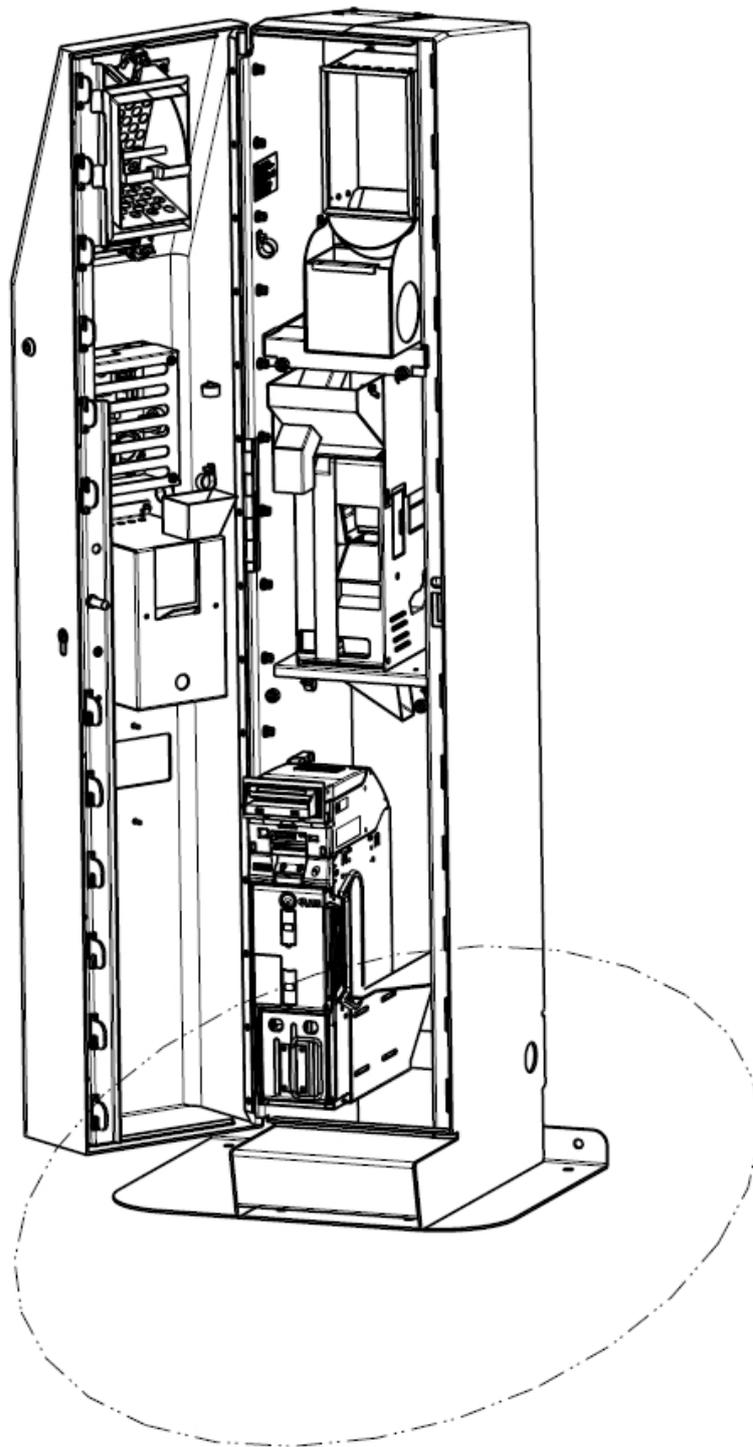


Fig. 12

5.2.2 Wall and/or floor installation by means of expansion anchors

We recommend fastening the machine to the wall by means of expansion anchors.

In fact, Swing Next has six pre-cut holes on the back of the cabinet for fastening it to the wall and four on its base for floor installation. Before securing Swing Next to the floor through the expansion anchors, make sure the retaining surface is sufficiently flat.

Before securing Swing Next to the wall through the expansion anchors, adjust the height of the feet (if present).

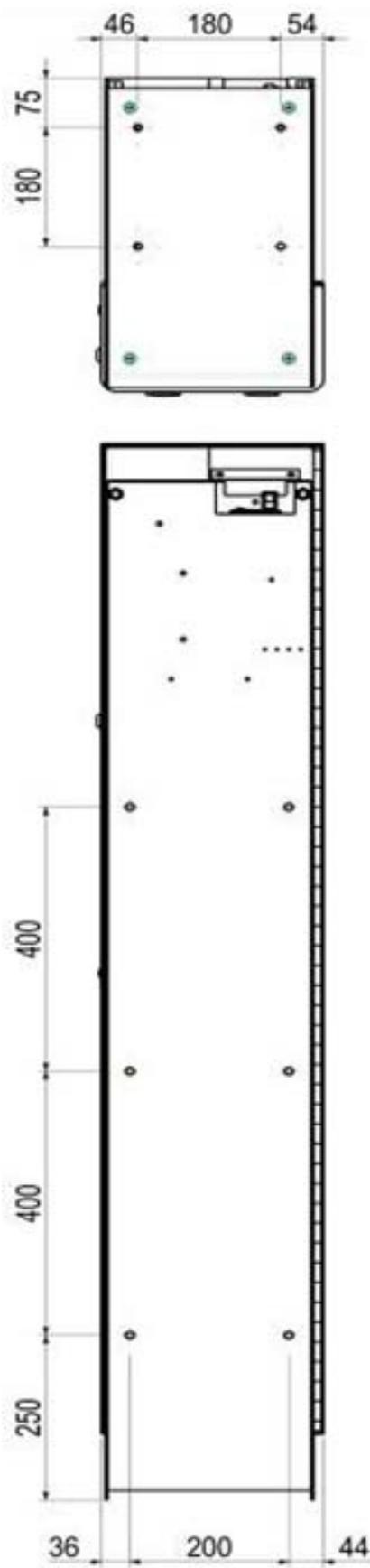


Fig. 13

5.2.3 Wall fastening using the dedicated bracket (optional accessory)

Optional bracket is available on order, used for wall fastening.

We recommend using this dedicate bracket, shown in Figure 14 below, to have a more secure fastening of the machine.

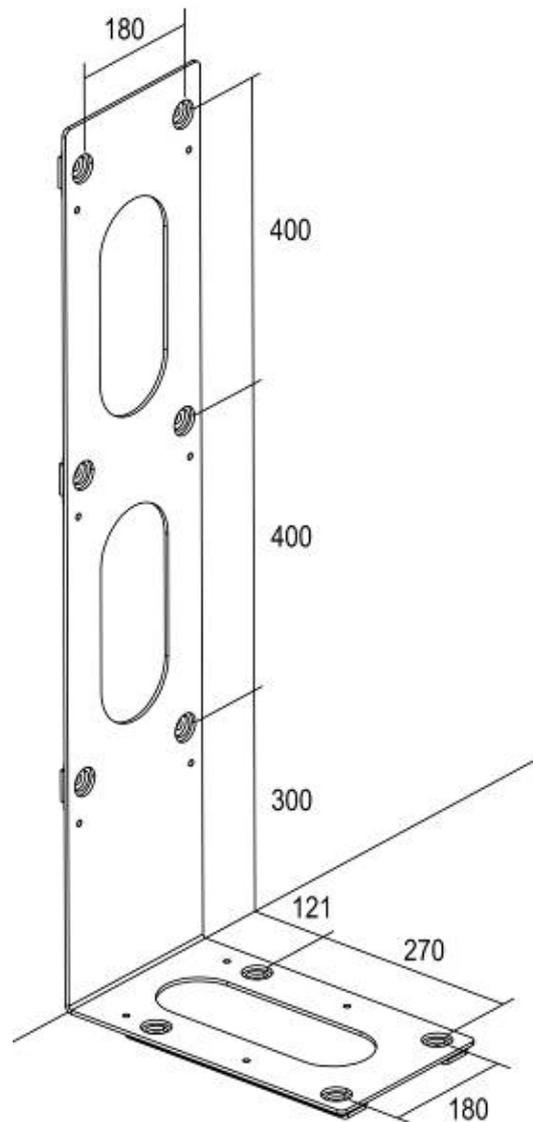


Fig. 14

The floor and/or wall mounting bracket is an optional accessory and can be ordered with the following code:

Code	Description
+CM/STAFFA-SWING	BRACKET FOR FLOOR FASTENING - SWING

The bracket kit for floor and/or wall fastening includes:

- 10 socket head cap screws M8x16 UNI 5931
- 10 plain washers for screws M8 UNI 6592
- 1 bracket

To mount the equipment on the bracket, as shown in Figure 15 below, follow the following guidelines, also written on the instruction sheet enclosed in the kit.

- find anchors appropriate to the wall and/or floor structure
- drill up to 6 holes in the wall and/or up to 4 holes in the floor, positioned as shown in the previous Figure
- fasten the bracket on the wall and/or floor using the anchors
- lay down the equipment on the floor
- open the 6 pre-cut holes located on the back of the equipment using a screwdriver and a hammer
- place the cash-in machine on the bracket
- fasten the equipment to the bracket using the screws and the washers supplied (6 for the back and 4 for the bottom) as shown in the following Figure

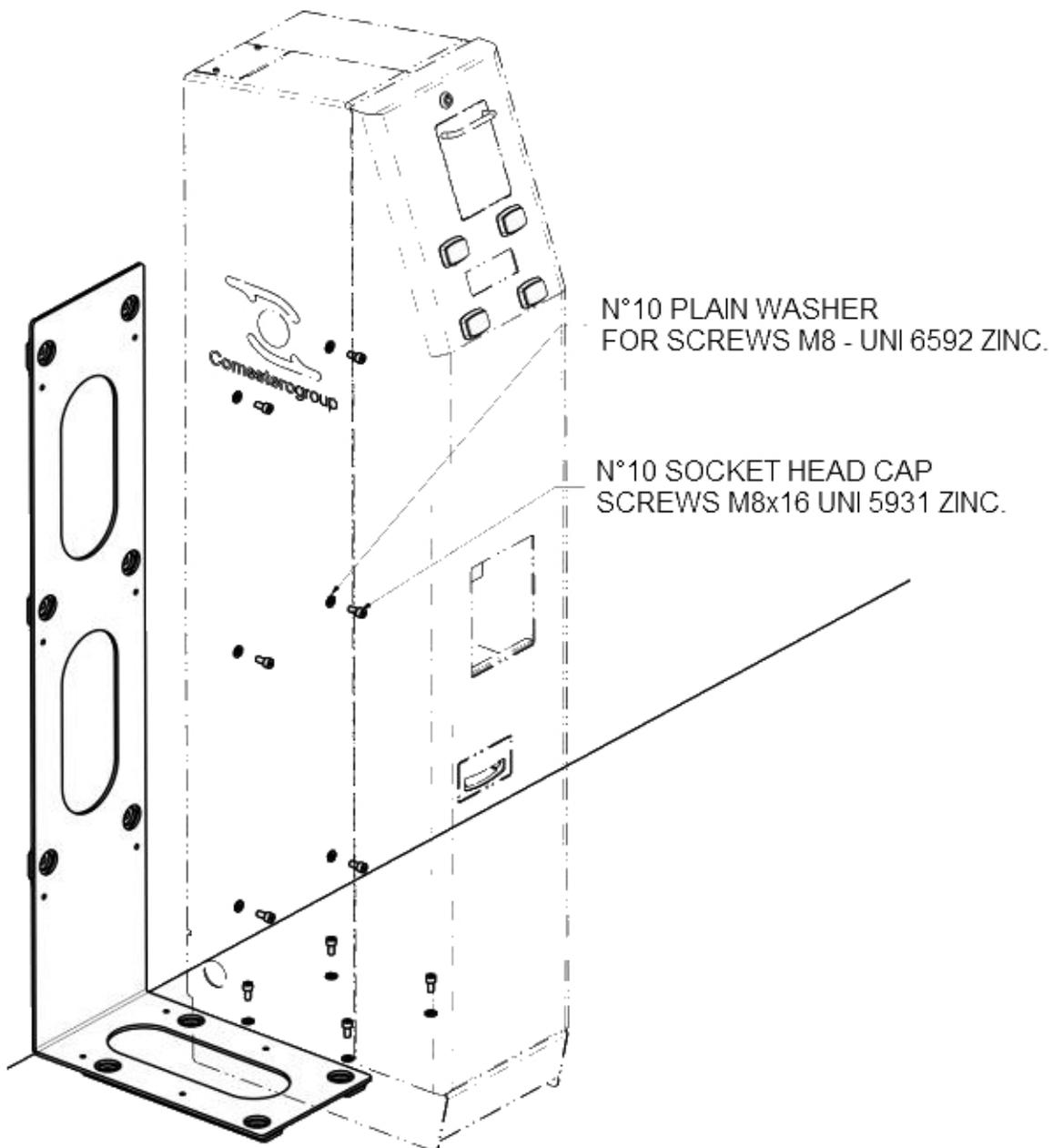


Fig. 15

5.3 Positioning the base

Swing Next is fitted with four adjustable feet that allow levelling on uneven surfaces, increasing stability.

The height of the feet must be adjusted according to the characteristics of the supporting area.

6. Connections



Before connecting the equipment to the mains, open the machine, insert the 2 glass fuse provide in a protection bag, together with its adapter (1) and place them into sockets (2).



Fig. 16



All the electric connections of the machine have been installed except for the power supply. Before connecting the machine to the mains, make sure that the main switch, located on the rear of the machine as shown in the Figure 17 below, is OFF and in position “0” (OFF)



Fig. 17



Make sure the socket to which the equipment shall be connected to is suited to the features of the equipment and protected by an adequate differential magneto-thermal switch. Connect the machine to the mains using the supplied power cable (the cable, already inserted in the main switch of the machine, is located on the back of the device).

N.B.

As for installation, please refer to the specific standard regarding protection against electrical contacts.

7. Starting the device

Before starting Swing Next, please read the following carefully.

7.1 How to extract and reinsert the cash

In the version with Smart Hopper, the cash box of Swing Next is located inside the equipment and is therefore accessible only for the personnel equipped with the key that opens the cabinet.



Fig. 18

The cash box is made by a drawer with a handle. You can completely remove the drawer simply sliding it out.



Fig. 19

EN

7.2 How to extract banknotes from the iPRO-RC™ recycler unit

To extract banknotes from the iPRO-RC™ recycler unit, open the cabinet using the specific key provided.



Fig. 20

- In the version with banknote reader iPRO-RC™ there is a dedicated button, located below the dispense/insertion bezel of banknotes, to extract the recycler unit drawers. The cash box is not equipped with a button but there is a simple handle for its extraction.



Fig. 21



Fig. 22

- Once the recycler unit and the cash box are extracted using the appropriate key supplied, open the pivoting doors of the two units to extract the banknotes inside.



Fig. 23



Fig. 24

- Then re-insert the recycler unit and the cash box in place, making sure they are properly engaged. With the machine turned ON, launch the banknotes automatic emptying procedure following the instructions placed into section 7.4 “How to empty the banknotes dispenser” to clear the counters.

7.3 How to empty the hoppers

To empty the hoppers select the SETU→password→MANU→>>→EMPT→GO controls on the Internal Menu, described in the next chapter dedicated to Programming. In this way the coins contained in the hopper will be sent to the cash box (in the version with Smart Hopper), or to the coins out (in the version with Evolution Hopper) in one step to avoid filling it excessively and therefore making it difficult to handle.

7.4 How to empty the banknotes dispenser

To empty the banknotes dispenser select the SETU→password→MANU→>>→EMPT→>>→GO controls on the Internal Menu, described in details in the following chapter dedicated to Programming. In this way the banknotes contained in the recycler unit (at most 100 banknotes for each of the two drawers in the unit recycler 2 different currencies) and can thus be withdrawn.

7.5 How to load banknotes into the notes dispenser

The loading of banknotes into the IPRO-RC™ dispenser can be done in three different ways, which are better described in the following chapter dedicated to Programming:

1. Automatic recharge

This type of recharging is activated through the RECH→>> options from the External Menu. Once the control has been activated, the banknotes must be inserted one at a time into the slot from the outside and are automatically counted. The recycler unit can contain a maximum of 200 banknotes of two different currencies. The banknotes in excess, any damaged or not enabled banknotes, will be transferred to the cash box, which can contain up to 400 banknotes.

2. Manual recharge

This kind of recharging is done by inserting, in a totally manually way, the banknotes into the two drawers of the iPRO-RCTM recycler unit and updating data in the internal database of the machine. You can do that through the M.BA option into the Internal menu.

3. Restoring levels

This type of recharging is activated through the RECH→RIP.→>> controls on the Internal Menu. In this case, using the SET option, the user can define a total value of banknotes contained in the recycler to be restored every time you deem necessary. Once the desired level has been set, the user can restore them using the GO option. The device therefore compares the value of the banknotes contained in the recycler with the set threshold value and depending on the case sends banknotes in excess to the cash box, or requests further banknotes to be inserted. The banknotes must therefore be inserted one at a time into the slot from the outside and are then automatically counted. If the set level is reached, the reader will stop accepting banknotes.

7.6 How to load coins into the hoppers

Loading coins into the hopper can be carried out in the following three ways (if you need more detailed information, you have to know that these are also better described in the following chapter dedicated to Programming).

1. Automatic recharge

This type of recharging is activated through the RECH option on the External Menu. Once the control has been activated, the coins must be inserted one at a time from the outside into the swinging drawer. In this way they will be counted automatically. With this method of charging, in the version with Evolution Hopper, the equipment accepts a maximum of 2,500 coins of 1 Euro or 50 cents, 2,000 coins of 2 Euro or an intermediate number of mixed coins. In the version with Smart Hopper, the equipment accepts a maximum of 2,700 coins of 1 Euro or 50 cents, 2,400 coins of 2 Euro or an intermediate number of mixed coins. For both version, the pieces in excess are rejected and sent to the coin out.

2. Manual recharge

Depending on the version of Hopper installed, this type of recharge is carried out by inserting a known amount of coins directly into the machine through a metallic funnel, inserted into the extension of the Hopper, preferably after having unscrewed the stops and pulling the table that supports the Hoppers forward, to facilitate the operation. In the version with Evolution Hopper, with this mode of charging, the device accepts a maximum of 2.700 coins of 1 Euro or 50 cents, 2.200 coins of 2 Euro. The pieces in excess will be rejected and sent to the coin out. For a correct assembly, the edge of the Evolution Hopper extension, must be inserted between the two profiles of the loading coins funnel. In the version of the machine with Smart Hopper, the edge of the Smart Hopper extension must be inserted between the two profiles of the funnel, indicated by a circle in Figure 26.



Fig. 25



Fig. 26



Fig. 27

Before or after the insertion of coins into the equipment it is also necessary to update accounting by accessing the specific function through the RECH→M.MO controls on the Internal Menu. In this case, using the buttons, the user must define the number of pieces that have been loaded for each type of coin based on the messages displayed on the screen. As the device can contain a maximum of 2,700 pieces of 1 Euro or 50 cents, 2,200 coins of 2 Euro, in the event you are using an Evolution Hopper, the user must be careful not to insert a number of coins so that, in addition to the coins that are already contained, they exceed the maximum amount it can contain. Only for the version of Swing Next with a Smart Hopper inside, if this occurs, when you exit the Internal Menu the device will automatically unload a specific number of pieces directly into the cash box.

3. Restore levels

This type of recharging is activated through the RECH→RIP. controls on the Internal Menu. By using the SET option, users can define a total value of coins contained into the Hopper to be restored every time is necessary. Once the desired level has been set, you can restore it using the GO option.

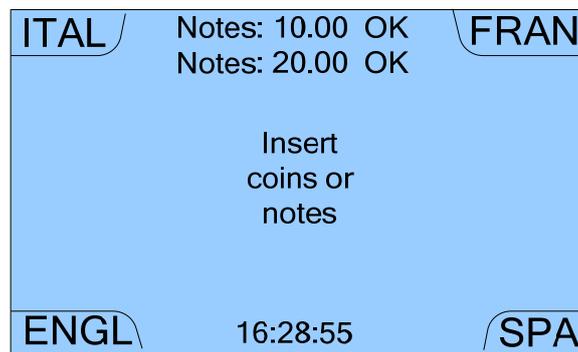
The device therefore compares the contents of the hopper with the set threshold value and, depending on the case, it sends coins in excess to the coins out or requests more coins to be loaded. Also in this case, the coins must be inserted from the outside into the swinging drawer and are counted automatically.

7.7 Basic operation

Swing Next is equipped with a graphic display where messages appear to guide the user through the basic operation and the configuration procedures.

There are four rectangular buttons at the corners of the screen which allow the user to select the available options. Since not all four options are always available, the buttons are backlit only when the corresponding function is effectively available.

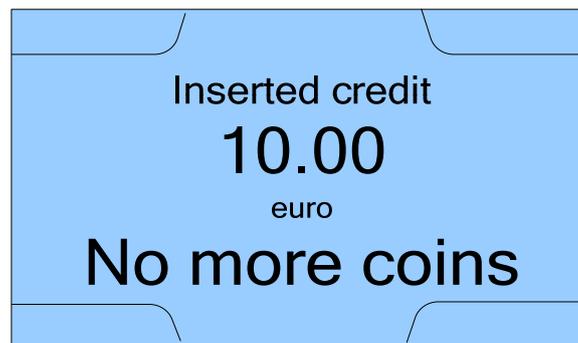
From the initial screen, the user can select the language which Swing Next will use to provide information. By pressing the button corresponding to the corner with the required language, the displayed language will change to the selected one.



Swing Next can change coins to banknotes as well as the reverse change from banknotes to coins. Only for banknotes Swing Next can also provide mixed change in a combination of coins and banknotes based on a previously set threshold level. Also during normal operation, when coins contained in the hoppers exceed the maximum allowed the device, once the change operation is complete, automatically unloads the exceed pieces towards the coins out.

7.7.1 Standard change from coins to banknotes

To start changing coins into banknotes, the user must insert the coins into the swinging drawer and then close it. In this way the counting will start up and the following message will appear on the screen:



The equipment then will start to count the inserted coins and, when counting is completed, the total credit will appear on the screen.

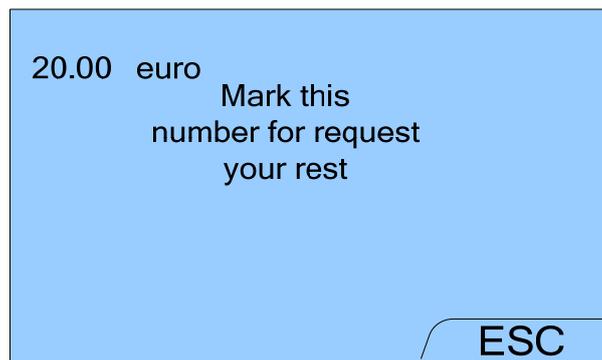


At this point the user can increase the current credit by inserting more coins or convert the inserted credit into banknotes by pressing the AUTO button.

During dispensing the banknote slot will light up and the following words will appear on the screen.

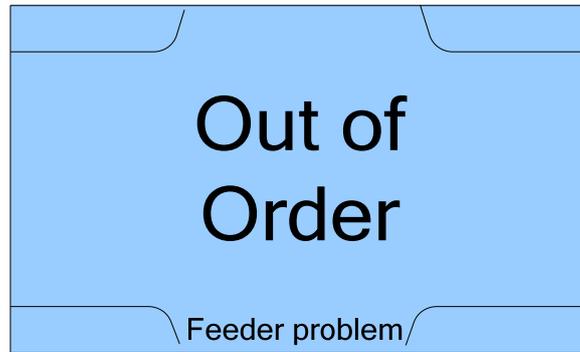


If during the count of coins a coin validator jam should occur, the machine will alert the user with the dedicated message.

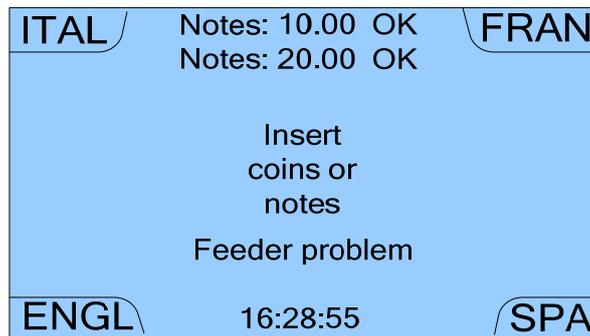


Attention!
The number that appears on the display (in the screen above: 0267845636) is not a phone number, but an identification code that the device associated with the specific episode of jam.

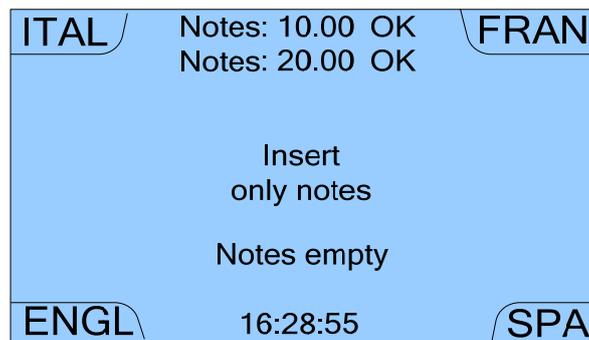
After a specific interval of time, the previous screen is replaced by the following one below, indicating only that the machine is going out of order. In this way the machine display will show on screen a message saying that a problem is occurred.



If finally, the machine is turned OFF and then turned back ON, the following screen appears prompting you to insert only banknotes:



Even when the banknotes are ended into the machine, on the Home screen the request of coins does not appear. The user can do only a change from banknotes to coins and not viceversa.



In this case the possible coins inserted into the equipment are sent directly to the coins out. If a change operation has been started before the banknotes are finished, the equipment (in the event the banknotes are not sufficient) still tries to complete the change operation, dispensing the available banknotes and then a quantity of coins equal to the remaining credit. If despite this, an overpay should occur, the machine will alert the user with a message.



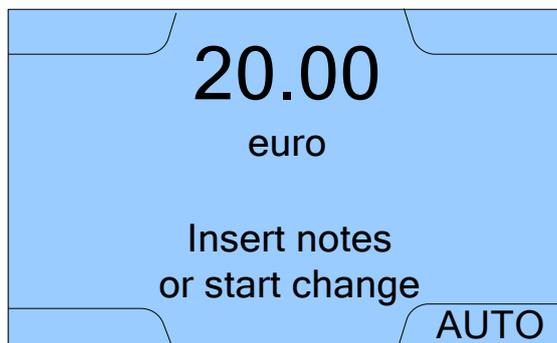
Attention!
The number that appears on the display (in the screen above : 0267845636) is not a phone number, but an identification code that the device associated with the specific episode of jam.

7.7.2 Standard change from banknotes to coins

In addition to the change of coins into banknotes described in the previous paragraphs, Swing Next can also provide the change from banknotes to coins.

To start changing, the user must insert the banknotes into the reader one at a time. In this way the machine will start up, read the banknotes and display the total inserted credit on the screen.

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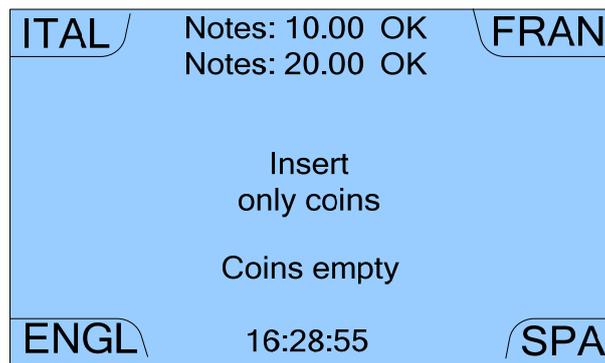


Even in this case the user can increase the inserted credit by inserting more banknotes or convert the inserted credit into coins by pressing the AUTO button.

The machine will then make change by automatically calculating which and how many coins have to be dispensed based on the contents of the Hopper. As they are dispensed, the lights located in the coin dispenser compartment will flash and the following words will appear on the screen:



When the number of coins that can be dispense falls below the safety threshold (about 80 coins), the following message appears in the initial screen and the change from banknotes to coins will be disabled.



The function to change banknotes to coins is disabled.

Thanks to the safety stock of coins inside the hopper, the unit will still complete any transaction initiated before the appearance of the above message. If despite this expedient an overpay occurs, the machine will alert the user with a message, like the one here below:



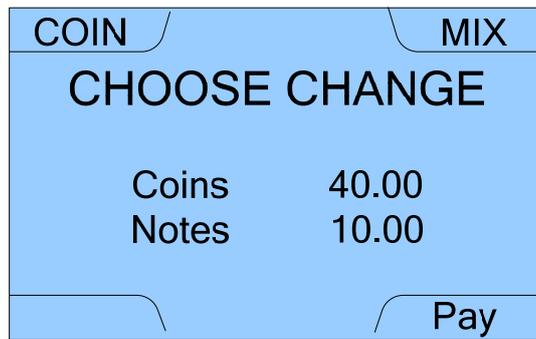
Attention! even in this case the number that appears on the display (for example: 0267845636) is not a phone number, but **an identification code that the device associated with the specific episode of overpay.**

7.7.3 Mixed change of banknotes to coins and banknotes

As an alternative to the standard change function, it is also possible to set Swing Next to change banknotes only in a combination of coins and banknotes using the option SETU → password → CONF → SETU → MIX controls on the Internal Menu.

In this case a threshold value is set so that:

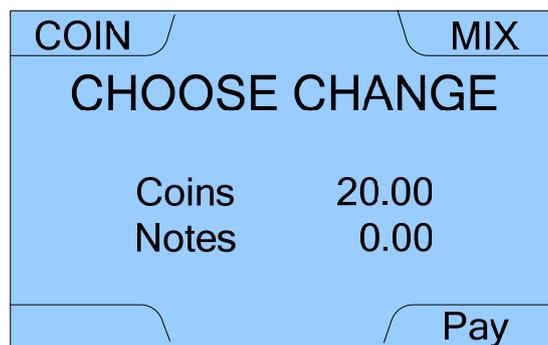
- only coins are dispensed when the amount of the inserted banknote is lower or equal than the threshold value.
- coins are dispensed for a banknotes value higher than the threshold value, it appears on the display the following screen to select the standard change or mixed change.



Since it was set the mixed change, the screen proposes dispensing coins (for an amount equal to the threshold value) and then the banknotes dispense (until the return of total credit inserted).

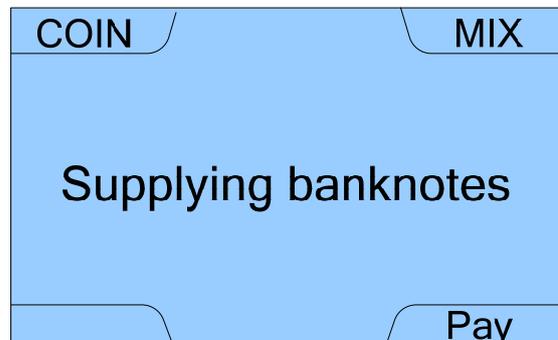
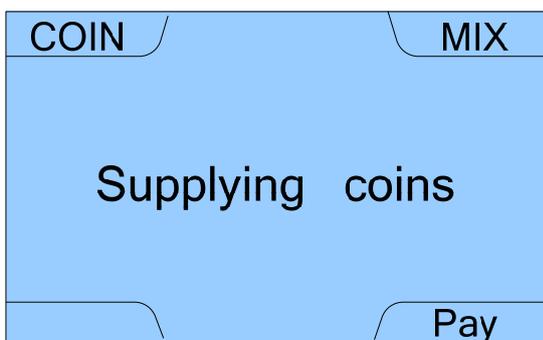
Since the equipment is already in mixed change mode, the MIX option, although it appears, is not active on this screen. In fact the corresponding button is not illuminated. Nevertheless the COIN option is active. With this option the user can choose to change back to standard mode and then get all the credit inserted in coins. If COIN has been selected, the following screen that offers to change in coins all the inserted credit, appears:

EN



Since the equipment is in standard change mode, the COIN option, although it appears, is not active on this screen, in fact the corresponding button is not illuminated. Nevertheless the MIX option is active. With this the user can choose to change back to MIX change mode. It is possible to start dispensing from either screen using the PAY option.

During mixed change dispensing, the following words appear respectively on the screen.



N.B.

Swing Next is provided with an emergency battery to ensure the completion of any on-going change operation in the event of electricity outage.

8. Device management and programming

8.1 Introduction

The Swing Next management and programming can be carried out using the buttons in the corners of the screen directly or importing a configuration file using a SD Card (SETU → password → MANU → EXP → IMP commands on the Internal Menu).

There are two different menus, the “External management Menu” and the “Internal programming Menu”.

It is possible to enter the External management Menu, simply inserting and turning the key into the lock located on the side of the device, without opening the door of the internal compartment.

From the external menu you can not doing any kind of modify of the programming.



Fig. 28

Through the External management Menu it is possible to perform the following ordinary management operations on the machine:

- View the last five operations executed
- View partial and total accounting (but not zeroing)
- Accounting view of the number of coins for each single denomination in the hopper
- Accounting view of the number of banknotes for each single denomination in the iPRO-RC™
- Automatically recharge of about 500 coins and 70 banknotes

Whereas to access the Internal programming Menu, it is necessary to open the equipment door using the dedicated key, as shown in the Figure.



Fig. 29

Now push the configuration menu button located on the side of the CPU, as shown in the Figure 30 below.

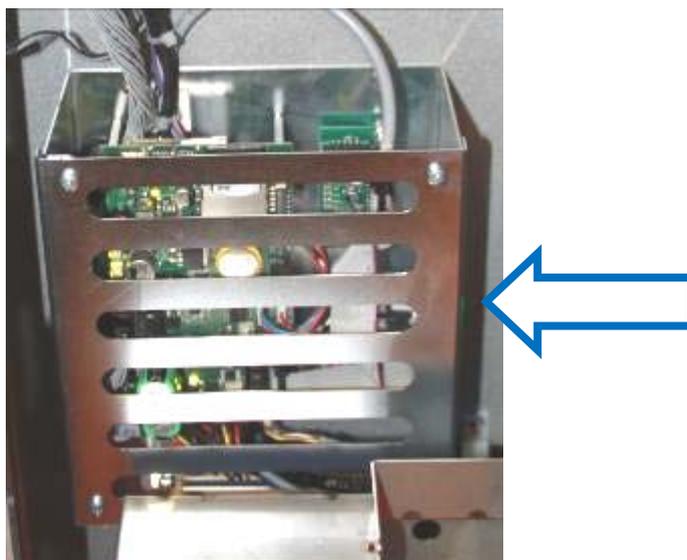


Fig. 30

Through the Internal management Menu it is possible to complete manage the machine. All the maintenance and programming operations will be perform through the following functions:

- Display the alarm
- Manual recharging of coins and banknotes
- Setting and restoring coins and banknotes levels
- View the peripherals status
- View, zero and export partial and total accounting data on SD Card
- View the available memory on SD Card
- Emptying the hopper and banknote dispenser
- Setting time and date
- Exporting and importing the machine configuration onto the SD Card
- Restoring the default configuration
- Enabling and disabling the acceptance of the coins and banknotes denominations
- Choosing the password
- Selecting the default machine language
- Selecting the change type among standard or mixed
- Viewing or deleting the overpays produced by Swing Next

8.2 External Menu

The structure of the External Menu (or Refill Menu) is illustrated in the following following diagram.

The blue boxes in the diagram reproduce the screens of the device, with selectable commands located in the four corners. By selecting the available options the user can move from one menu to the next, whereas by choosing the ESC option, which is included in most menus, the user moves back by one step. The white boxes, on the other hand, describe actions that can be carried out through the sequence of commands that precede them.

The diagram can therefore be read from left to right, to identify the hierarchical structure and process of commands, and from right to left, to choose the action to be carried out and identify, by working backwards, the sequence of commands required to obtain the desired result.

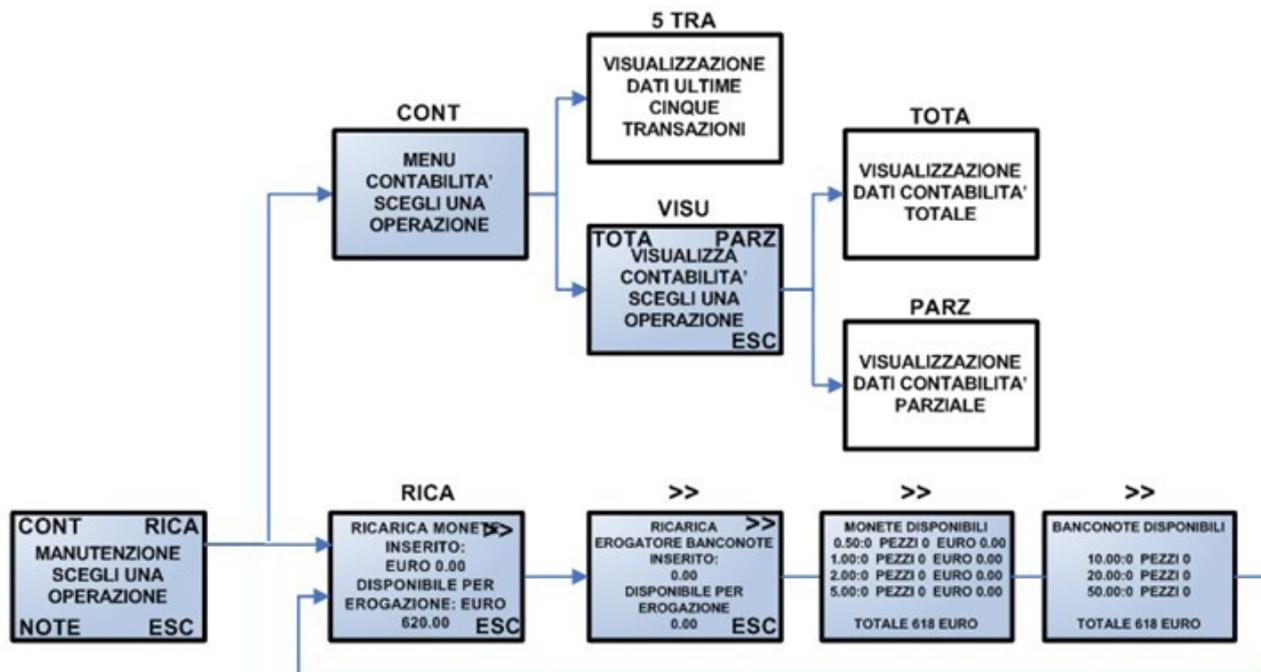
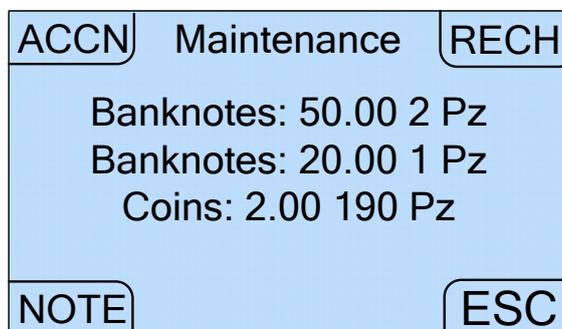


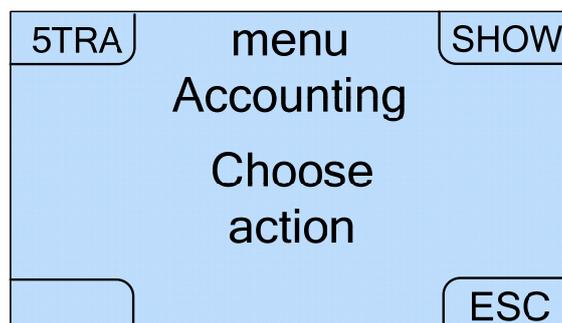
Fig. 31

Once the External Menu access key has been inserted and turned in the lock, located on the side of the device, the following initial screen will appear:

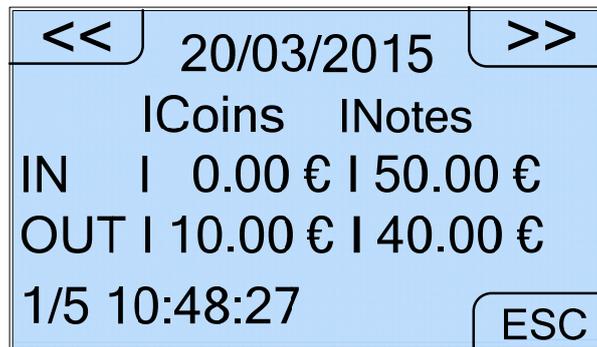


8.2.1 External menu - Last 5 change operations and accounting

By selecting the ACCN option, on the initial screen of the External Menu, the Accounting Menu will be proposed. This allows to view the last 5 operations made on the equipment and the total or partial accounting.

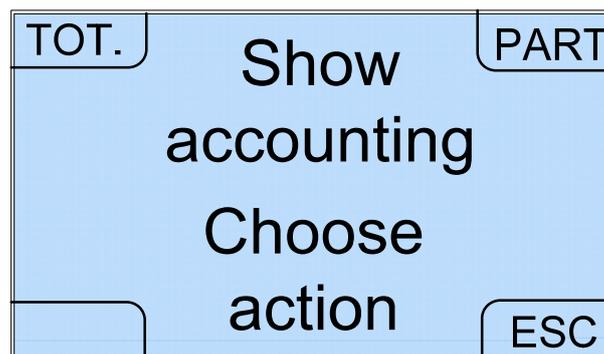


Selecting the 5TRA option, it's possible to display all the data concerning the last 5 operations made on the device in 5 consecutive screens. In the Figure here below is shown an example of the first screen.



To scroll the screens, use the keys << and >>. You can find the page number (1/5 ÷ 5/5) on the left.

Once the SHOW option is selected, this allows the user to view (but not to edit) the total and partial accounting.



For both total and partial accounting, moving from one screen to another, using the >> and << keys, you can view: the inserted and dispensed amount, the not dispensed credit, the coins and banknotes contained, the inserted coins and banknotes inserted, the dispensed coins and banknotes, the coins and banknotes contained in the cash box.



The accounting screens sequence follows with:

- Total / Partial payout
- Total / Partial Total in cashbox
- Total / Partial Inserted bills
- Total / Partial Supplied Coins

- Total / Partial Credit not delivered
- Total / Partial Coins amount
- Total / Partial Total in notedisp
- Total / Partial Inserted coins
- Total / Partial Supplied Bills
- Total / Partial Coins in cashbox
- Total / Partial Notes in cashbox

The sequence is the same if you choose to display the total accounting **TOT.** or partial **PART.**

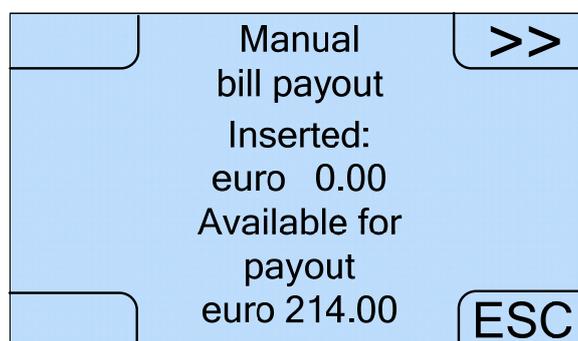
8.2.2 External menu - Automatic banknote and coin recharge

By selecting the RECH option on the initial screen of the External Menu, the user can enter the first screen where coins can be automatically recharged.



Once the screen appears, if coins are inserted into the swinging drawer, the machine automatically starts counting. The screen will display the progressive increase in value as the coins are counted and finally the total inserted value. The machine accepts a maximum of 2,700 pieces of 1 Euro or 50 cents, 2,200 coins of 2 Euro or an intermediate number of mixed coins. The pieces in excess are rejected and sent to the coins out.

On the other hand, by selecting the >> option, the user will access the screen for automatic banknote recharge.



Even in this case, once the screen appears, if banknotes are inserted one at a time into the dedicated iPRO-RC™ slot, the device will automatically count them.

Each of the two compartments with the iPRO-RC™ recycler unit is made, can contain up to 100 new banknotes to be recycled. The excessed banknotes and any possible banknotes not enabled on dispensing or damaged are automatically transferred into the cash box, which can hold up to 400.

8.3 Internal Menu

The architecture of the Internal Menu is illustrated in the following diagram.

Even in this case the celestial boxes scheme reproduce the equipment screens, with the commands to select located on the four corners. Selecting the available options you can move from one menu to the next, while choosing ESC, located in most of the menu, you can move back of one step. Above each box is specified the previous menu option to select to get the screen or the action that it is represent. The white boxes instead describe the actions achievable using the command sequence that precedes them. The scheme can therefore be read from left to right, to detect the architecture and the sequence of commands, and from right to left, to make the selection of appropriate actions and identify backward the sequence of commands necessary to obtain the result desired.

On each of the main branches is finally indicated the section of this manual which describes in more detail the group of screens that follows.

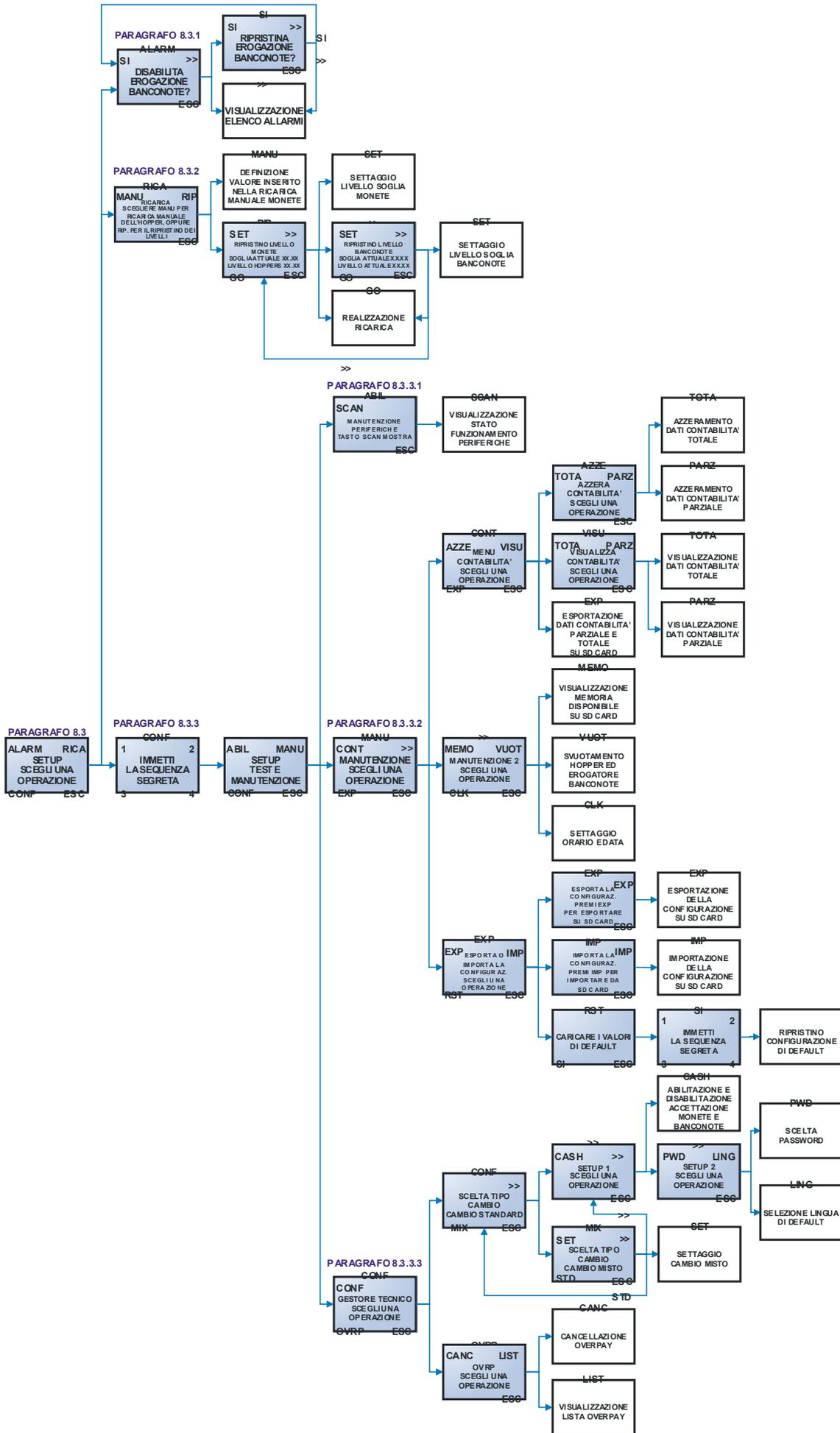
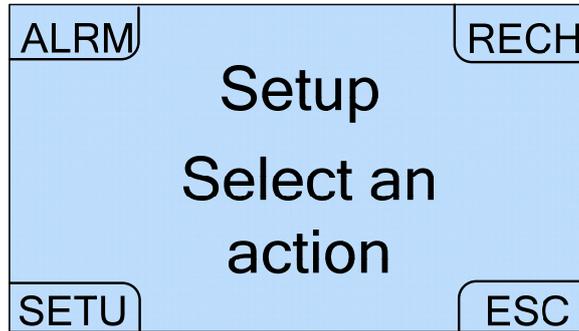


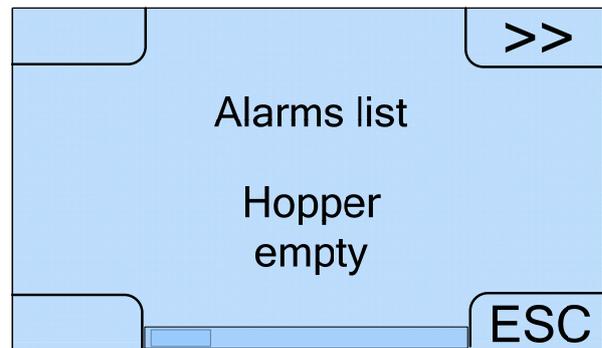
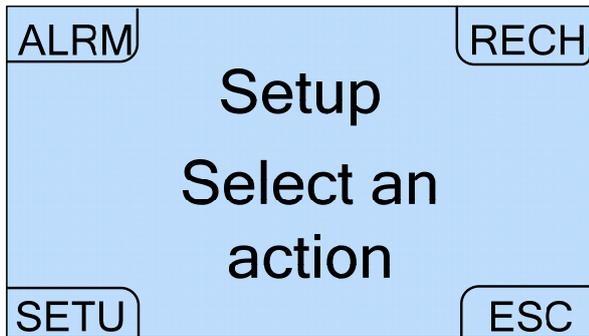
Fig. 32

Once the equipment door is opened using the specific key and, after you have pushed the configuration button on the side of the CPU board, you will see the following initial screen. In this screen you can move among the three available menus relative to: alarms, charging and configuration (the latter is accessible only through a password).



8.3.1 Internal Menu – Alarm viewing

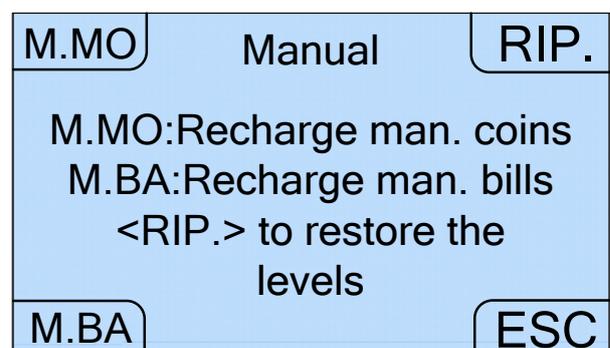
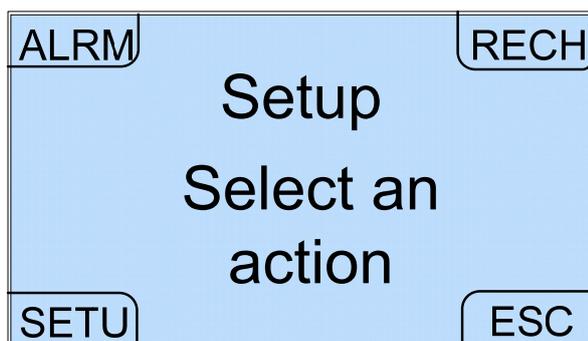
By selecting the ALRM option on the initial page of the Internal Menu, the user can enter the page where it is possible to list all the alarm that can occurs on the machine:



The alarm screens are present just when the banknotes reader or the hopper are effectively empty or in alarm status. To move from one screen to another one, simply use the >> button.

8.3.2 Internal Menu – Recharging

Selecting the RECH option, on the initial page of the Internal Menu, you can enter the menu dedicated to the recharging.

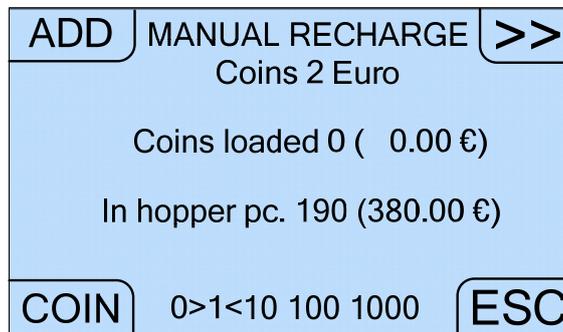


As already described into the sections 7.5, 7.6 and 8.2.2, the automatic recharge of coins and banknotes is performed by selecting the option RECH in the External Menu. The manual recharge of coins and the coins and banknotes levels restore are instead activated respectively by using the M.MO, M.BA e RIP. options of this Internal Menu screen.

1. Manual coins recharge

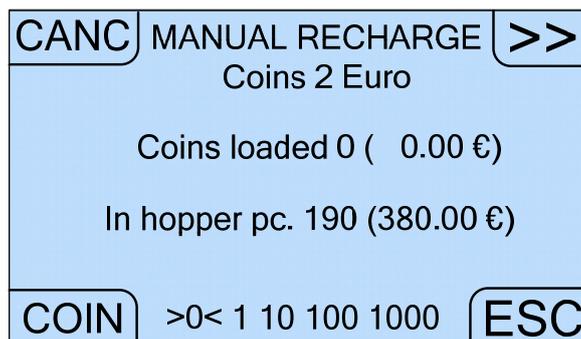
As already described in section 7.6, the manual charging is done reversing all the coins into the hopper extension. Since the device does not count the coins received with this type of charging, you must enter the data relative to the amount introduced so that the accounting can be correctly updated.

Then selecting the option M.MO in the Recharge menu, the following screen appears with which you can define the value of the coins that were loaded or you intended to manually load.



By pressing the COIN key repeatedly, it is possible to select the denomination of the inserted coin (50 cents, 1 Euro or 2 Euro, displayed cyclically in this order), which is displayed in the second line of the page. By pressing the >> key repeatedly it is possible to select the increment value (units, tenths, hundredths, thousandths, displayed cyclically in this order), which is highlighted in the bottom line of the page. By pressing the ADD key, the number of pieces will increase by a unit, a tenth, a hundredth or a thousandth, based on the order of the selected measurement. If the ESC button has not been pressed yet, to reset an amount entered incorrectly simply select the order of size 0 in the last row, for each of the denominations of coins involved.

In this way the screen is changed as follows, and then you can select the option CANC relative to the indicated denomination of coin. It is necessary to select >> in order to scroll the order in the last line till 0. So the following screen appears:



Pressing the ESC button, the inserted data are saved and it's possible to come back to the previous menu.

N.B.

Carefully check the values set before selecting the ESC button with which you save the entered values.

If you entered and saved the wrong amount using the ESC key, you must let off the inserted coins and make a new manual charge.

2. Manual banknotes recharge

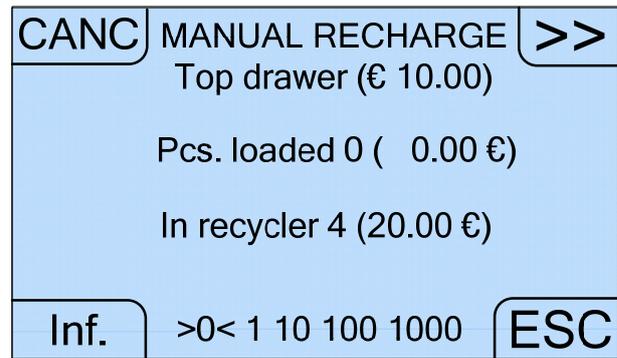
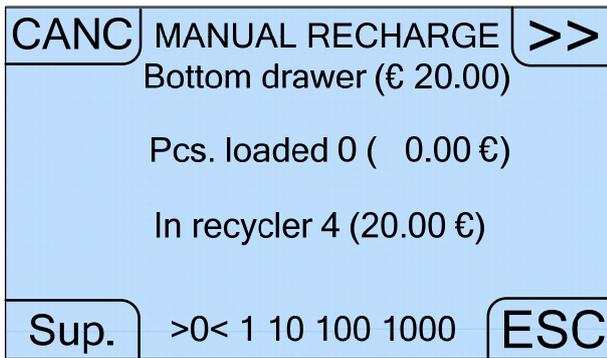
As already described in section 7.5, the manual recharge of banknotes is made by inserting all the banknotes that you want to recycle (it is accepted only two denominations different from each other), inside the two compartment of the iPRO-RC™ recycler unit. Because the machine does not count the banknotes received with this type of charging, you need to enter the data relative to the amount introduced ensure that the accounting can be correctly updated. Therefore selecting the M.BA option of the RECHARGE menu, the following screen appears with which you can define the value of banknotes that have been “loaded” or you intend to manually load in one of two drawers of the unit recycler.

Depending on your needs, press Sup. or Inf. to change the value of manual recharging relative to the upper or lower drawer.

ADD	MANUAL RECHARGE	>>
Bottom drawer (€ 20.00)		
Pcs. loaded 0 (0.00 €)		
In recycler 4 (20.00 €)		
Sup.	0>1<10 100 1000	ESC

ADD	MANUAL RECHARGE	>>
Top drawer (€ 10.00)		
Pcs. loaded 0 (0.00 €)		
In recycler 4 (20.00 €)		
Inf.	0>1<10 100 1000	ESC

By repeatedly pressing the >> button, you can select one of the denominations introduced (5 Euro, 10 Euro, 20 Euro or 50 Euro, proposed cyclically in this order), which appears in the second line of the screen. By repeatedly pressing the >> button, you can select the order of magnitude of the increase (units, tens, hundreds, thousands, proposals cyclically in this order), which is highlighted in the bottom line of the screen. When you press the ADD button the number of pieces is incremented of a unit, ten, a hundred or a thousand depending on the order of magnitude selected. If you have not yet pressed the ESC key, to clear an amount entered incorrectly, simply select the order of magnitude 0 in the last row, for each of the coins involved. In this way the screen will be changed as you can see in the following Figure. So that you can select the CANC option.



Finally pressing the ESC button, the equipment stores the data entered and go back to the previous menu.

N.B.

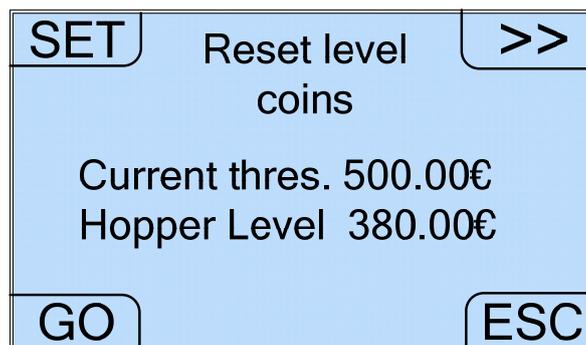
Carefully check the values set before selecting the ESC button with which you save the entered values.

If you entered and saved the wrong amount using the ESC key, you must let off the inserted banknotes and make a new manual charge.

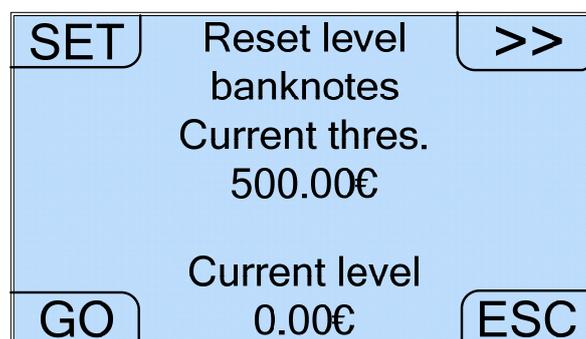
3. Levels Restoring

As already described in section 7.5 and 7.6, the user can define a total value of coins contained in the Hopper, or banknotes contained inside the iPRO-RC™ recycler unit, to be restored whenever is necessary.

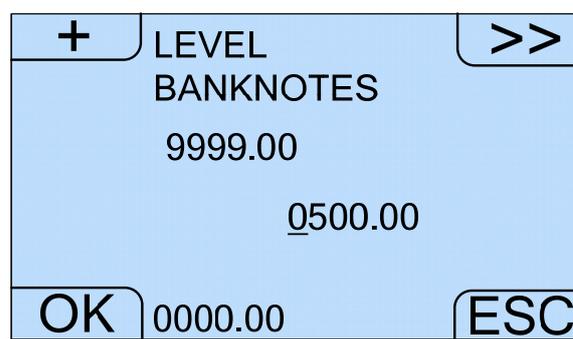
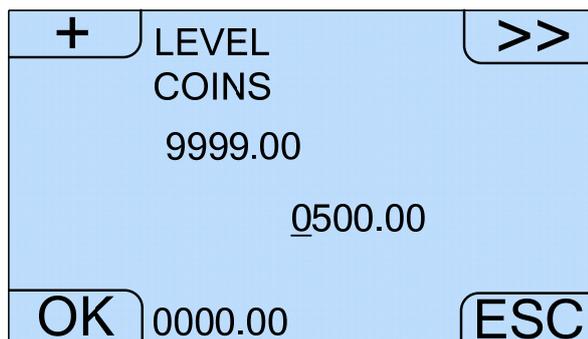
Therefore selecting the option RIP. into the Recharging menu, appears the following screen, showing the actual contents and threshold for the hopper.



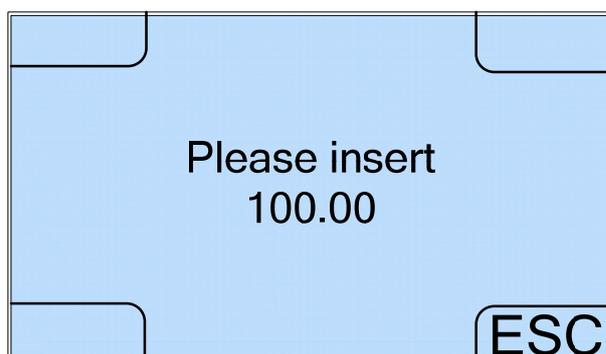
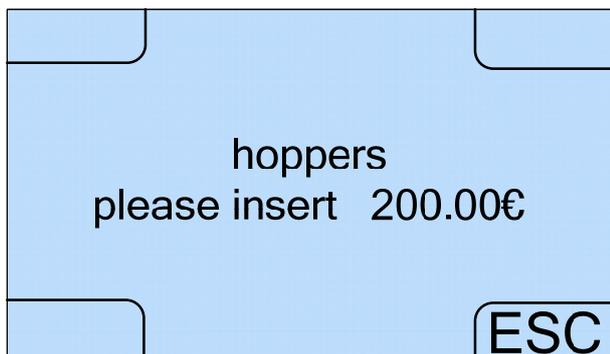
With button >> it's possible to move to the analogous page showing the contents present and the actual setting threshold for the banknotes recycler.



On both pages, the hopper one as well as the banknotes reader one, the SET option allows you to access threshold settings.



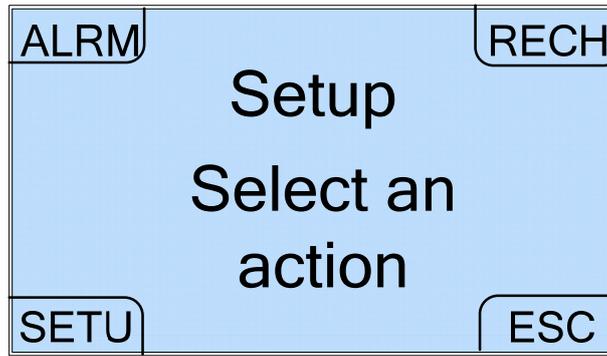
On the page regarding coin threshold settings as well as the banknote threshold page, the >> key allows the user to select the number to change. The + key allows you to increase the selected number by one unit at a time, between 0 and 9, in a cyclical manner; the OK button allows you to confirm the settings. While, by selecting the GO option on the Restore coin level and Restore banknote level pages, it is possible to start level restoration. The equipment then compares the contents of the hopper and iPRO/RC™ recycler with the set thresholds and, depending on the case, sends the coins and banknotes in excess towards the coins out and the cash box or will ask to insert other coins or banknotes.



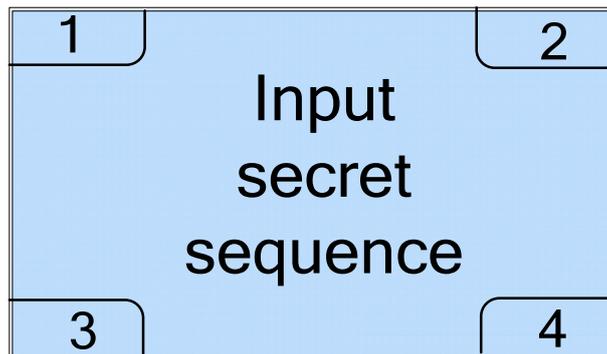
The coins must be inserted from the outside into the swinging drawer and are counted automatically. If the set threshold is met, the pieces in excess are rejected and sent to the coins out. The banknotes must therefore be inserted one at a time into the slot from the outside and are then counted automatically. If the set threshold is reached, the reader will stop accepting banknotes.

8.3.3 Internal Menu – Setup test and maintenance

By selecting the SETU option on the initial page of the Internal Menu, first of all the following screen will be shown.



First of all the password to access the configuration menu is requested.



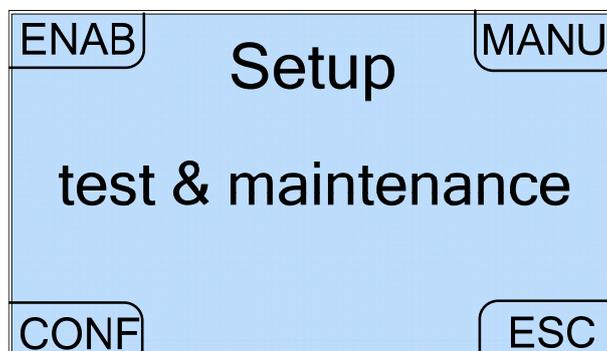
Upon delivery the device the default password is activated. Its value is equal to 111111.

N.B.

To further increase the safety level of the machine, it is **STRONGLY RECOMMENDED TO CHANGE** the initial default password. This password should be changed often (about every 2 months).

Once you entered the configuration menu, it is possible to change the password through the sequence of commands: SETU → password → CONF → SETU → >> → >> → PWD, as described below in section 8.3.3.3.

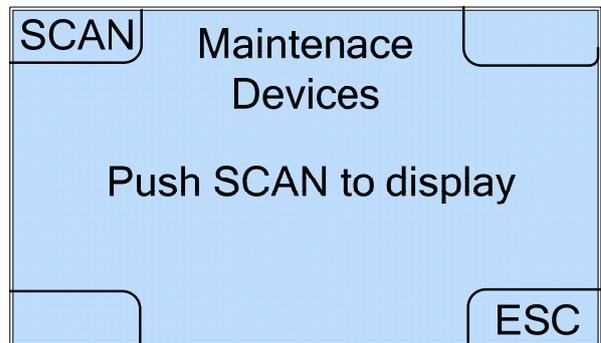
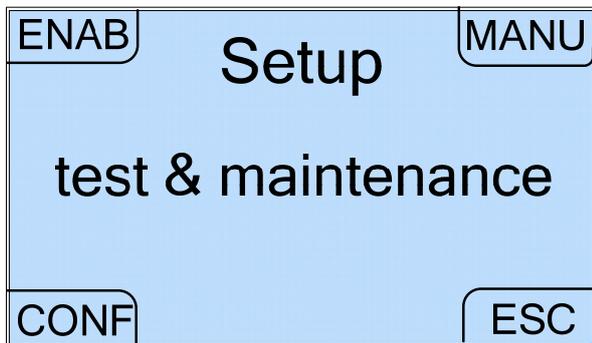
Once the password has been entered, the page regarding Setup test & maintenance menu appears:



From the Setup test & maintenance menu it is possible to access the submenu regarding the peripherals status, the maintenance and configuration.

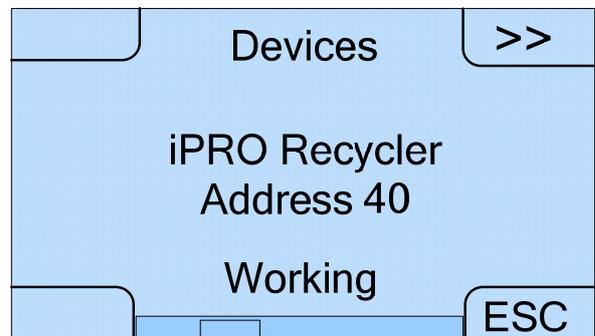
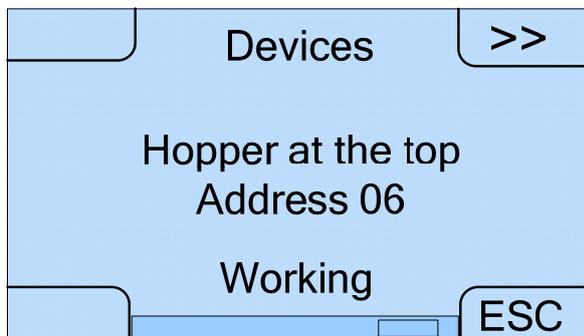
8.3.3.1 Internal menu - Setup test & maintenance device status Menu

Selecting the option ENAB in the Setup Test & Maintenance menu, it is possible to enter the Peripherals Maintenance menu where you can view the status of all the installed peripherals.



As suggested on the Devices Maintenance page, it is sufficient to select the SCAN option to access a series of tabs that displays the operating status of the various peripherals mounted onboard of Swing Next, each marked by a different address.

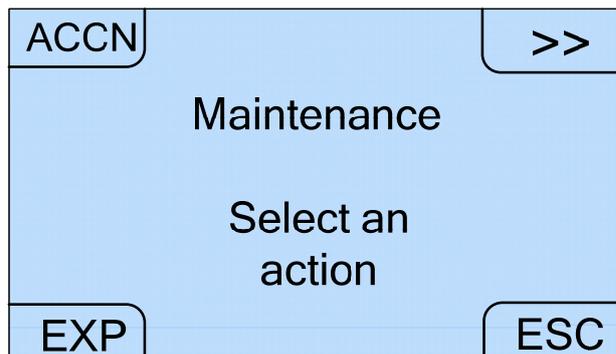
For Swing Next, in the version equipped with Smart Hopper and iPRO-RC™ banknote recycler, the device addresses will be as follows: Hopper Address top 06, iPRO Recycler Address 40, Coin RM5 HD Address 02, Smart Hopper Address 07; while in the version with Evolution Hopper and iPRO-RC™ banknotes recycler, will be Hopper Address top 06, iPRO Recycler Address 40, Coin RM5 HD Address 02, Hopper Address 03.



You can move from one tab to the other through the button >>. After the last tab the first is cyclically shown.

8.3.3.2 Internal Menu – Setup test & maintenance Accounting maintenance Menu

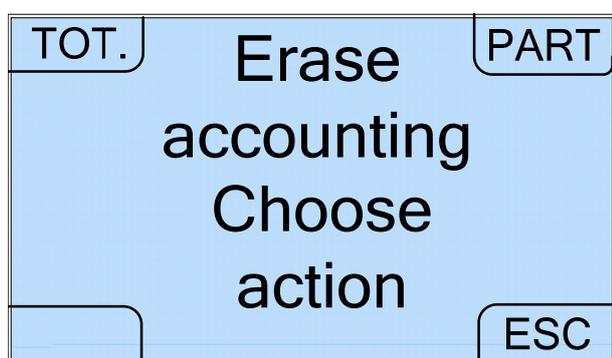
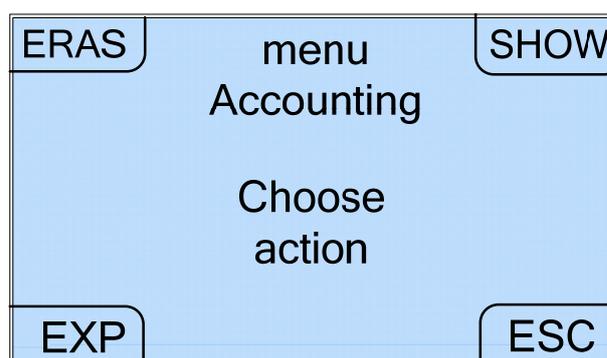
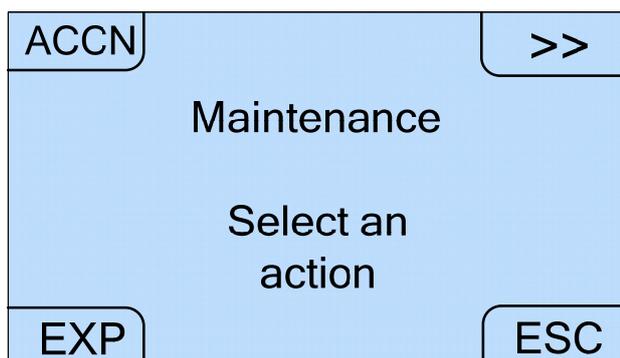
From Setup test & maintenance main screen, press the MANU button in order to perform the accounting maintenance operations and its exportation.



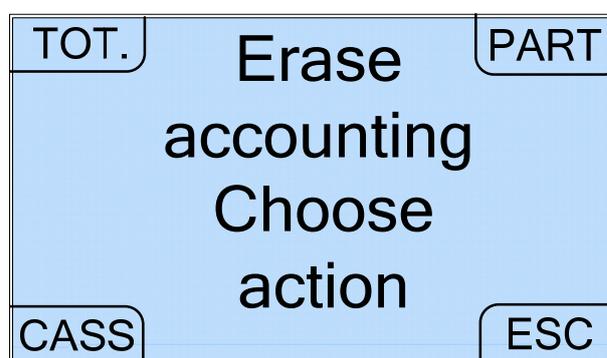
Here you can manage all the machine accounting, see the available memory on the SD Card, empty the hopper and the banknotes dispensers, set the time and date, export and import the configuration via SD Card and restore the default configuration.

1. Accounting Menu

First of all selecting ACCN option you can enter into the Accounting menu in which the ERAS button allows you to clear the total and partial accounting storing onboard the machine.

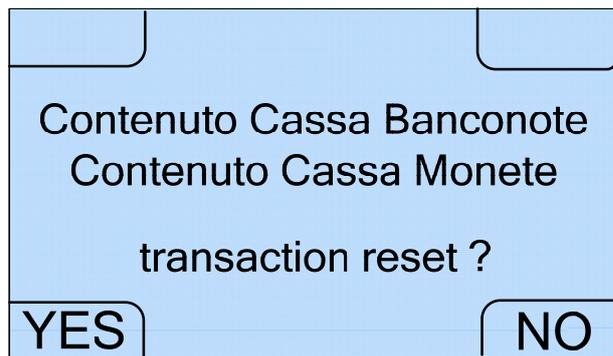
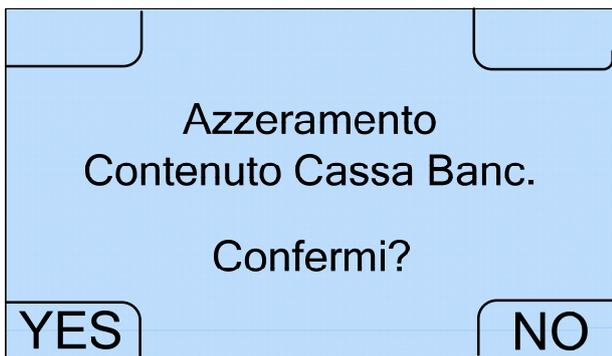
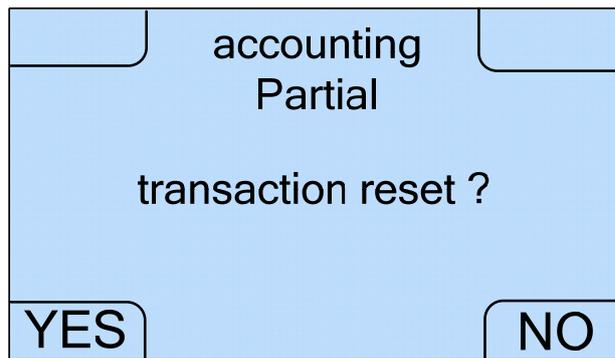
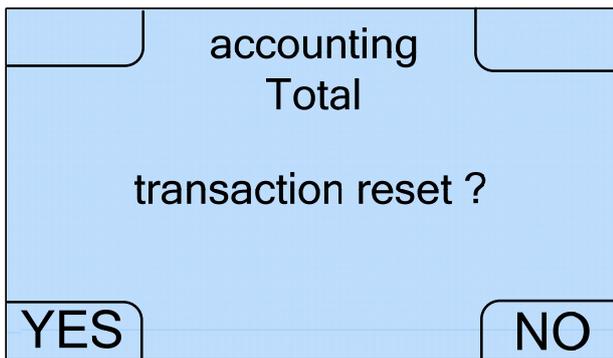


Version with Evolution Hopper



Version with Smart Hopper

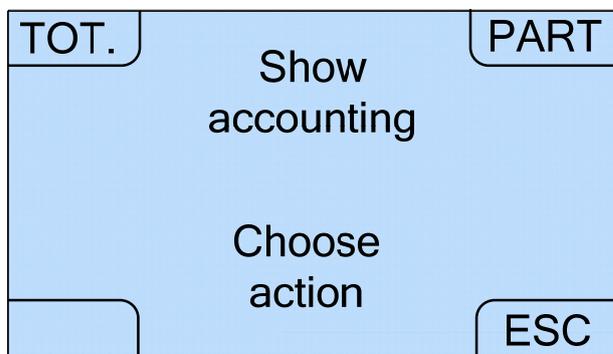
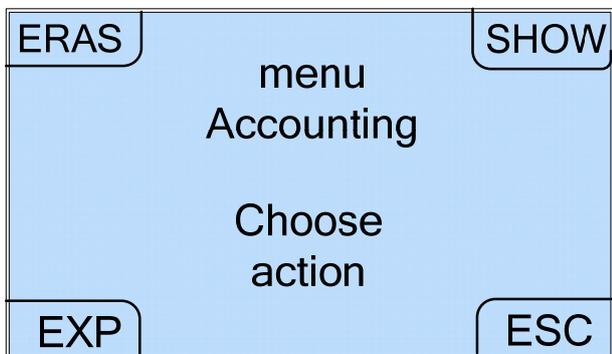
Once the type of accounting to reset to zero has been selected (TOT. button or PART. button), the machine will request you to confirm your selection:



Version with Evolution Hopper

Version with Smart Hopper

Similarly button SHOW, displays the Total or Partial accounting of the machine.



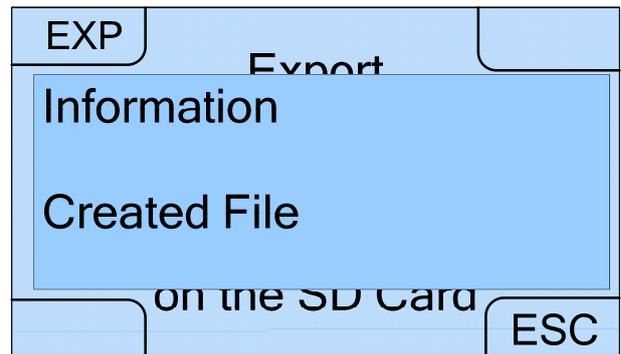
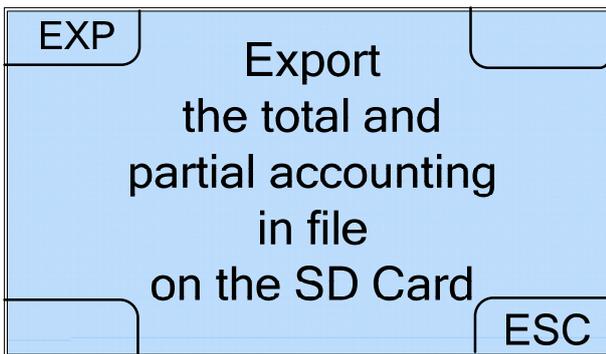
Even in this case the machine asks the user to select the type of accounting to show:



Both for the total and the partial accounting, moving through one screens to another, using the buttons >> and <<, you can view, exactly like the external menu, the amounts inserted, dispensed, into the cash box, the credit not dispensed, coins and banknotes contained, coins and banknotes inserted, coins and banknotes dispensed, coins and banknotes into the cash box.

Finally selecting EXP from the Accounting menu, you enter to the screen dedicated to export or import the Swing Next accounting on the SD memory card.

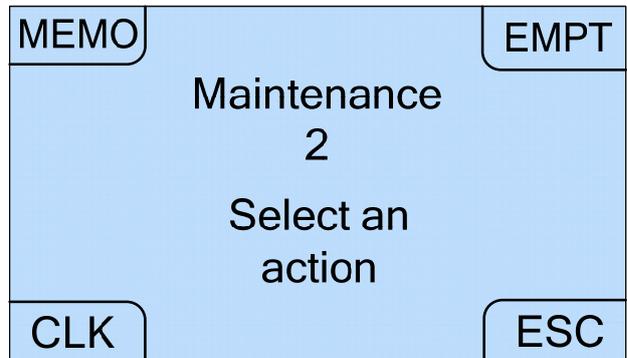
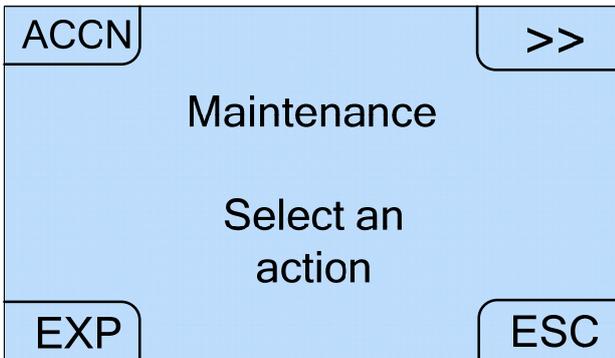
By selecting the EXP option again, the message "information, created file" will be put on top of the screen, and a file will be created on the SD Card containing total and partial accounting, and it can be viewed on a PC in the format of an Excel table.



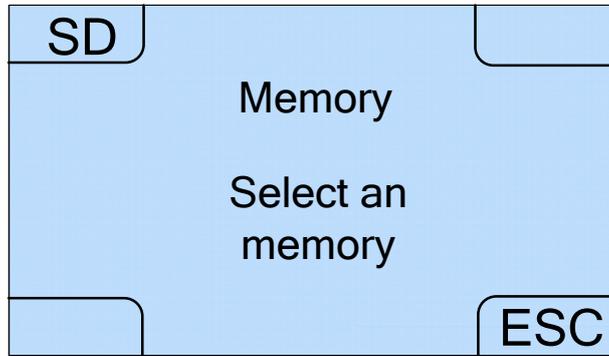
EN

2. Maintenance 2

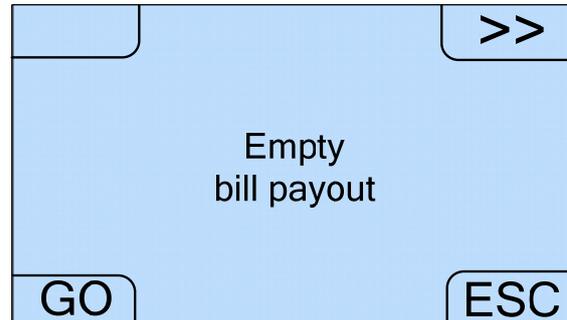
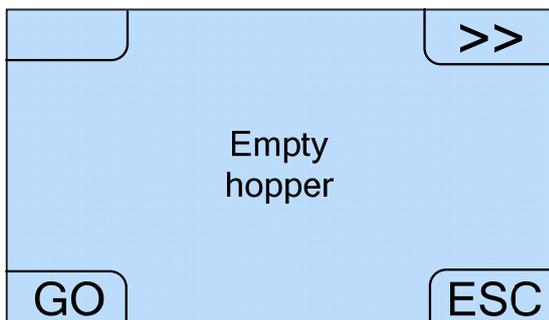
Selecting >> from the Maintenance Menu, the Maintenance 2 will be show. This screen permits to choose between the option MEMO, EMPT and CLK.



The MEMO command allows you to see the available memory on the SD Card. In fact selecting MEMO, the page below appears and, through the SD option, allows to display some data regarding the SD Card, including in particular the memory still available.



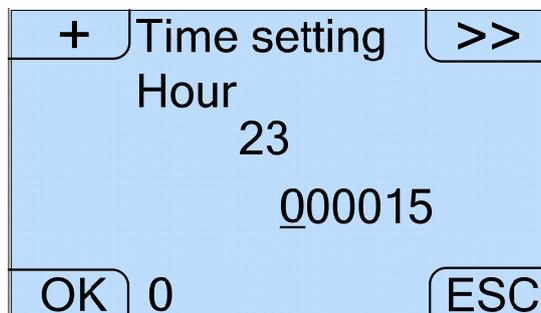
The EMPT command in the Maintenance 2 menu, allows you to empty the hopper or the banknote dispenser through two dedicated screens placed one after another, using the >> button.



In both screens, the GO option allows you to start the operation.

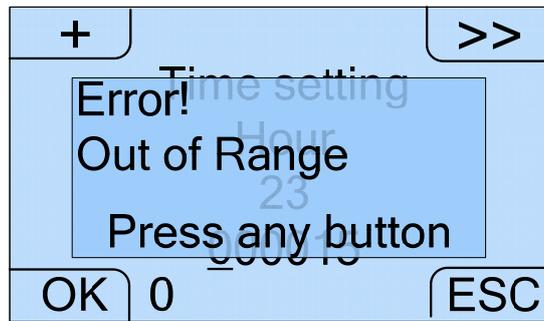
In the version of Swing Next with Smart Hopper, in the event of emptying, the coins are sent toward the cash box; while in the version with Evolution Hopper, the coins will be sent directly to the coins out. In the event you are emptying the iPRO-RC™ dispenser, banknotes inside the recycler unit (up to 100 banknotes for each of the two drawers of 2 different denominations) are sent to the cash box (which can contain up to 400).

Therefore in this way they can be withdrawn. The CLK command of the Maintenance 2 menu, finally allows you to set the hour, minute, day, month, year in four dedicated screens that appear in succession once the OK button has been selected.



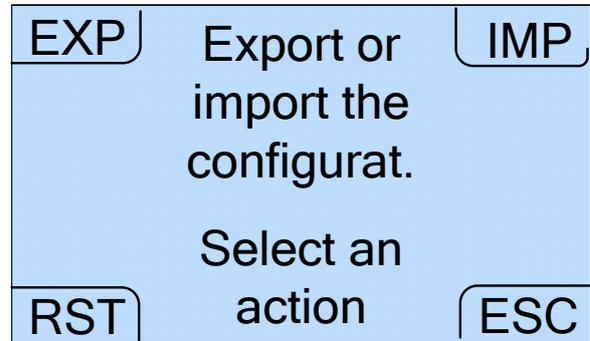
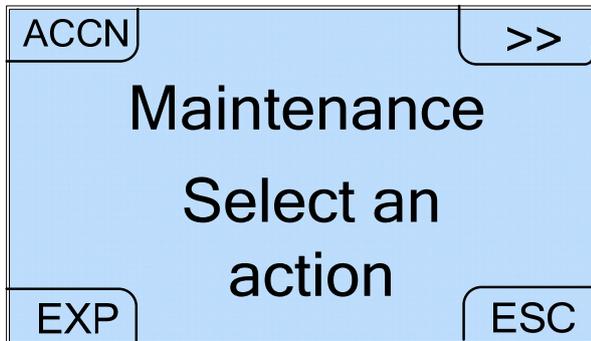
On each of the pages the >> button allows you to select the number and the + button to cyclically increase it between 0 and 9. The fifth and third line show the limits for each of the numbers to be set. In fact, in the case of hour, the set number must be between 0 and 23, in the case of minutes between 0 and 59, in the case of date between 1 and 31, in the case of

the month between 1 and 12 and in the case of the year between 2008 and 2050. If you enter a number that is not included within the set limits the word “Error! Out of range. Press any key” will be put on the top of the screen.

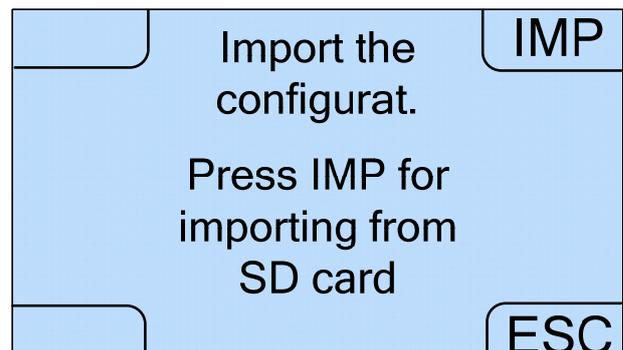
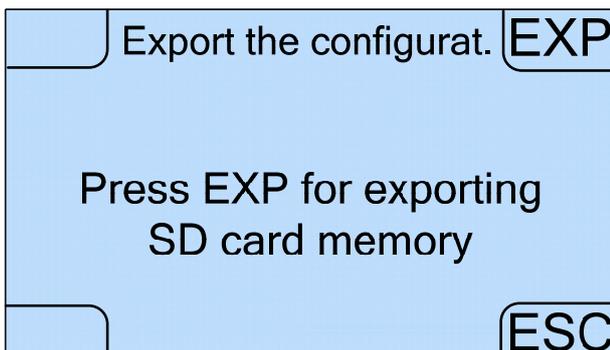


3. Export and Import Configuration

Selecting the option EXP in the Maintenance screen, the screen regarding the exporting and importing of the configuration appears.



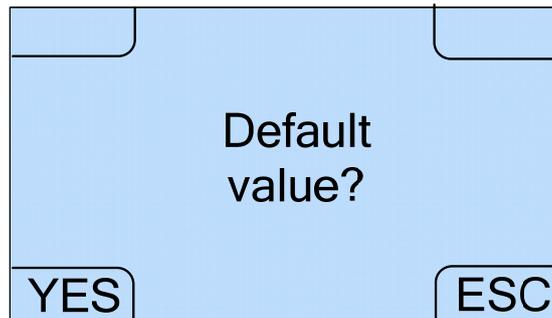
Selecting EXP or IMP the following screens will be displayed. These enable you to export the configuration set on the equipment, on SD Card or to import from SD Card the configuration onboard on another equipment of the same type (i.e. another Swing Next).



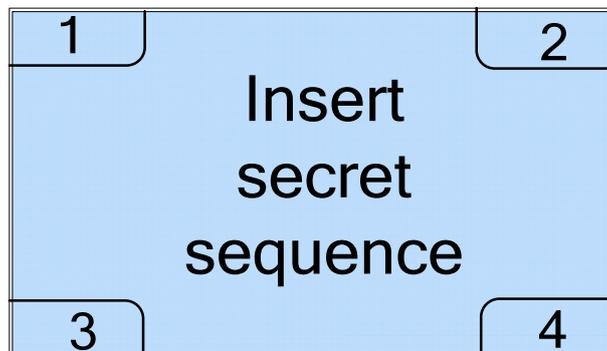
ATTENTION!

We recommend to insert the SD Card into the machine before turning it ON, because if inserted after power ON, this device is not recognized.

Selecting the RST option, the screen that allows you to load the default configuration, will appear.

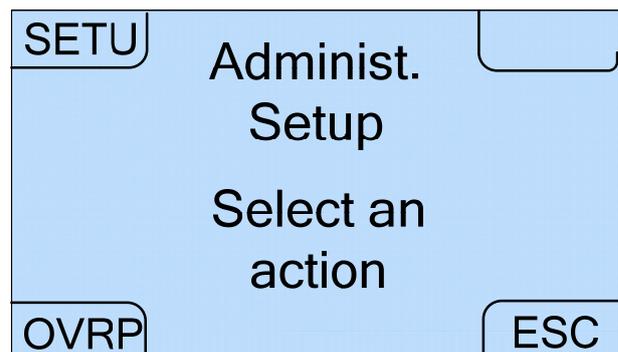


In the event you decide to proceed by selecting YES, you are prompted to enter the password for the reset (the same used to access the Setup test & maintenance Menu. Thus 111111, the one set by default in factory).



8.3.3.3 Internal menu - Setup test & maintenance Administrator Setup menu

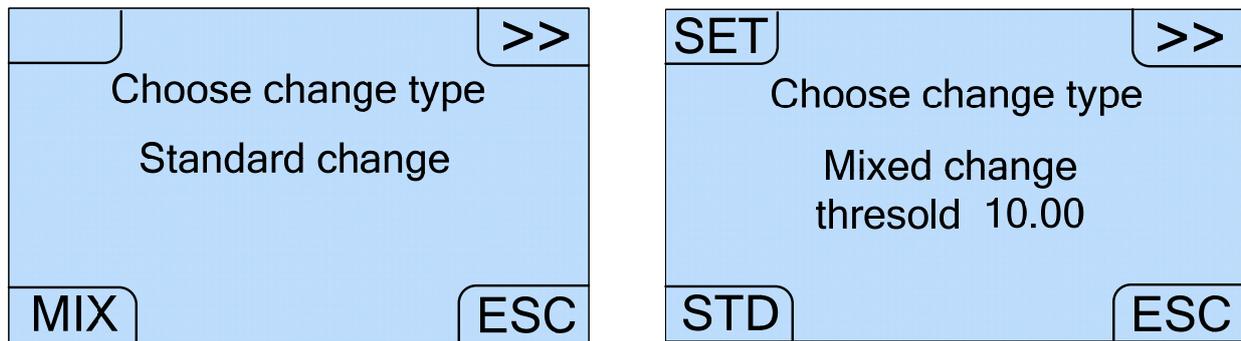
By selecting the CONF option on the Setup test & maintenance menu, you can access the Administrator Setup menu:



In this screen it is possible to choose the type of change (standard or mixed), enable and disable acceptance of the different denominations of coin and banknote, choose the password, select the default language and view or delete overpays.

1. Choose change type

By selecting the SETU option on the Administrator Setup menu, you can enter the Choose change type screen, which indicates the type of change that has been set, standard or mixed. As previously explained in section 7.7 “Basic Operation”, with standard change, coins are changed into banknotes and viceversa banknotes are changed into coins. Mixed change, in alternative to standard change, changes only banknotes into a combination of coins and banknotes.

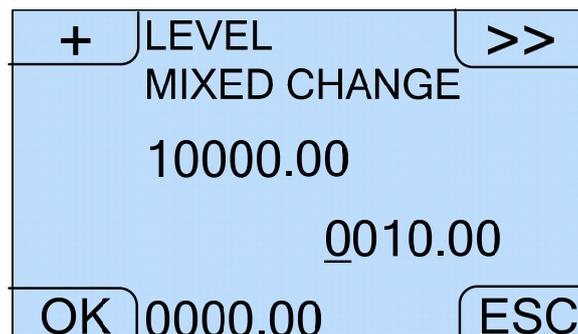


EN

At the time of purchase the equipment is set with the standard type of change function, therefore the page that appears is the first one. To switch from standard-type change to mixed-type change, simply select the MIX option. Viceversa, simply select the STD option to switch from mixed change to standard change.

As already described in section 7.7.3, in the event of mixed change the user must set a threshold value for mixed change. If the value of the inserted banknote is lower than the threshold value, only coins will be dispensed. Whereas if the value of the inserted banknote is greater than the threshold value, coins will be dispensed for the threshold value followed by banknotes until the total amount is reached.

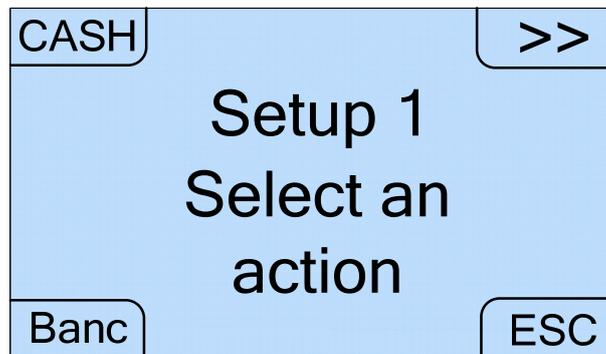
The SET option on the screen regarding mixed change allows the user to view the screen with the threshold setting after which mixed change is provided. With the >> button it is possible to select the number and with the “+” button it is possible to increase it by one unit between 0 and 9 in a cyclical way. The fifth and third row show the limits for the threshold to be set.



If the OK option is selected on the Level Mixed Change screen, the CHOOSE CHANGE TYPE window appears on the screen again. Whereas if the >> option is selected in one of the two screens regarding the choice of change type, the Setup 1 screen will appear.

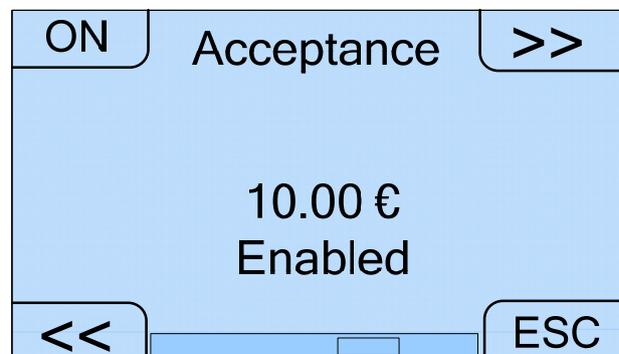
2. Cash

From the Setup 1 screen you can enter, through the CASH button, the function where it is possible to enable and disable the different coins and banknotes denominations or, through the button >>, you can enter the Setup menu 2.



With the CASH key the user accesses a series of screens where it is possible to enable or disable the acceptance or dispensing of the different denominations of coins and banknotes.

Use the >> key to move from one denomination to the next, whereas the ON and OFF buttons are used respectively to enable or disable.



With the Banc button you can enter to a series of screens which you can enable or disable the dispensing of the different denominations of banknotes. To switch from one denomination to the next you need to use the >> button; to enable and disable that you need to use the ON and OFF buttons. Use INF or SUP buttons to move to the page related to the upper or bottom drawer of the iPRO-RC™.



Regarding the version with Smart Hopper, is possible to:

- enable acceptance as well as dispensing of a particular coin denomination
- disable acceptance as well as dispensing of a particular coin denomination

Therefore the acceptance and dispensing of coins are managed on the same screen.

Regarding the version with Evolution Hopper, is possible to:

- enable acceptance as well as dispensing of a particular coin denomination
- disable acceptance as well as dispensing of a particular coin denomination

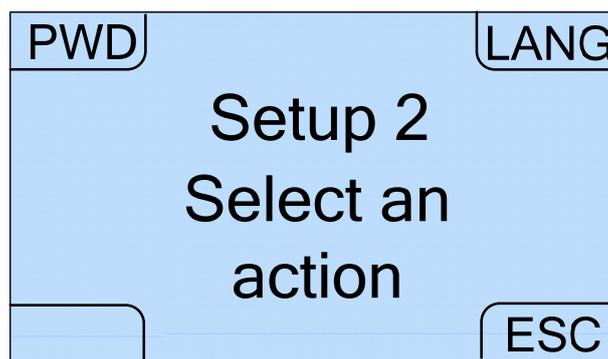
Therefore the acceptance and dispensing of coins are managed on the same screen.

Regarding the banknotes, if the JCM iPRO-RC™ is installed, it is possible to:

- enable acceptance as well as dispensing of a particular banknote denomination
- disable acceptance as well as dispensing of a particular banknote denomination

3. Setup 2

With the >> command of the Setup 1 screen, the user can enter the Setup 2 from which you can choose a new password or select the default language (LANG).

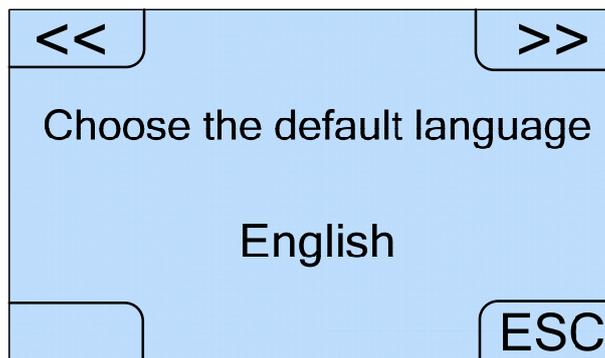


Selecting the option PWD, it is possible to enter the following screen through which you can digit the numbers that compose the new password.





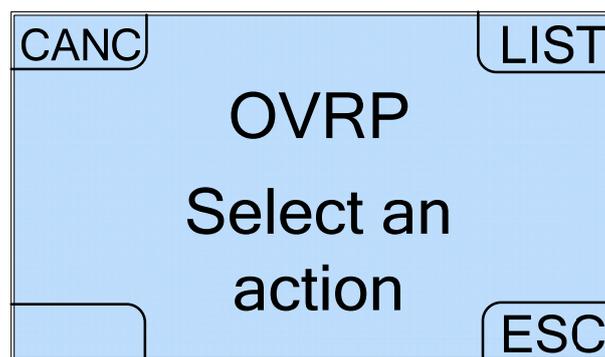
Using the LANG option, the user enters the four screens regarding the four selectable default languages (Italian, English, French and Spanish).



The << and >> buttons allow the user to switch from one language to another, while the ESC button allows the user to save the selected setting.

4. Overpay

With the OVRP command in the Administrator Setup menu, the user can enter the OVRP (Overpay) screen from which you can view and cancel the data related to overpay (episodes of failure to change cash).



In the event you decide to delete the list of overpays, the equipment asks to confirm this choice prior to implementing it.



9. Bootloader and Firmware upgrading

This section explains how to upgrade the software on board (Bootloader and/or Firmware) of Swing Next.



You do not need to save the configuration or the accounting before making upgrading. The procedures to upgrade the Bootloader and/or Firmware will keep unchanged both the configuration and the accounting of the machine.



Since the upgrade of the Bootloader is a delicate operation, the upgrade files will be provided only upon specific request by the customer. Call the SUZOHAPP after-sales service at the following phone number: (+39) 02 95781111 to get a copy of the file.

From now on, we will suppose that the customer already has the Bootloader upgrade files and is thus able to complete the upgrade operation autonomously.

Swing Next is designed to avoid any kind of problems during the upgrade. The machine is able to perform the operation in a fast and very easy way both for the Bootloader and the Firmware. Make sure to have at your disposal one or more of the following three alternatives before making the upgrade operation:

- One SD Card to make the upgrade of the Bootloader and/or the firmware (you can use the card already available on board the cash-in machine).



The SD Cards commercially available with same capacity have features and performances different from each other and sometime even contrasting with the declared characteristics. Therefore, to preserve the functionality and the performances of Swing Next, when it is necessary, use only the SD Cards approved and supplied as spare part by Comestero.

- One built-in or externally card reader connected to the PC.
- Bootloader and/or firmware upgrade files.

For more information about cash-in machine Swing Next, please see the page dedicated to the product at eu.suzohapp.com



You should always upgrade the machine Upgrader and Firmware with the last release to benefit from the latest updates and features.

9.1 How to upgrade machine Bootloader



The Bootloader upgrade operation will always cause the removal of any information regarding the machine firmware. At the end of the installation process it will always be necessary to proceed with restoring the firmware version previously installed on Swing Next, as described later in this section.

To fully upgrade the Swing Next bootloader, you must perform the steps described in the following 15 easy steps.

- a) Remove the SD Card from its slot (if you don't have the card provided with the machine, you can request a new one contacting the Comestero after-sales service), and then insert it into your PC
- b) Only if you are using the SD Card onboard the machine, please before copying the bootloader upgrade file, you must save all your data in any folder on your PC
- c) Format the SD Card only in "FAT" mode. Other modes are not supported
- d) Copy the 2 files you can find in the bootloader upgrade file (without rename any files and without creating any folders inside) into the SD Card
- e) Turn OFF Swing Next and make sure that the master switch of the unit is in the OFF position
- f) When the cash-in machine is turned OFF, insert the SD Card containing the bootloader upgrades inside the machine CPU slot. Always observe the orientation of the card (the side with manufacturer label facing up) and make sure to have it properly pushed towards bottom
- g) Turn ON Swing Next
- h) When the machine is turned ON, it will display a screen similar to the one shown in the Figure below. On this screen, you can always check the bootloader version (first line under the heading "Upgrader Ver 06:00:00") installed on board the cash-in machine

-
- i) Press one of the four external blue button within 5 seconds to start upgrading

Upgrader Ver. 06.00.00

Old Ver: 04.03.01

LOADER

Push Button to start

Upgrading 5

- j) The upgrade will start and a screen most similar to the one shown in Figure here on the right will be displayed. In this way you can always check the percentage of completion of the upgrade (indicated by the progressive advance of a counter)

Upgrader Ver. 06.00.00

Old Ver: 04.03.01

LOADER

Upgrading 10%

- k) When the upgrade is complete, the cash-in machine will show on the screen, the message “Complete! Rebooting”, as shown in the Figure here on the right.

Upgrader Ver. 06.00.00

Old Ver : 04.03.01

LOADER

Complete ! Rebooting

- l) Now the machine will reboot. Wait for the complete rebooting process until you will see on the display the screen shown in the Figure you can see at step m) here below.

- m) At the end of upgrading, if the process has been successfully completed, the cash-in machine will show on screen the message “Complete !! 100% Pls, remove SD Card and reboot system”, as shown in the Figure here on the right

Upgrader Ver. 06.00.00

Complete !!

100%

Pls, remove SdCard
and reboot system

- n) Turn OFF the machine and make sure that the main switch of the unit is in the OFF position
- o) Remove the SD Card containing the bootloader upgrade from its slot and proceed with the firmware upgrade as described in the next section called “How to Upgrade machine Firmware”

p) If you fail to restore firmware of the machine after you upgrade the bootloader, on the display you will see a message very similar to the one shown in the Figure here on the right

UPGRADE LOADER

**File Upgrade.Bin
not found !**

q) In this case, turn OFF the machine and insert the SD Card containing the firmware of Swing Next and proceed with the firmware upgrading as described in the next section.

The firmware can be easily upgraded only through a SD Card and a computer connected to the Internet. The machine is designed in such a way to avoid any problem during the upgrade phase.

Please follow the 17 easy steps below to know how to upgrade your machine firmware:

- a) Remove the SD Card from its slot (if you haven't with you the card provided with the machine, you can request a new one contacting the Comestero after-sales service), and then insert it into your PC
- b) Only if you are using the SD Card onboard the machine, please before copying the Firmware file save all your data in any folder on your PC
- c) Format the SD Card only in "FAT" mode. Other modes are not supported
- d) Visit the SUZOHAPP website to download the necessary files you need to upgrade Firmware

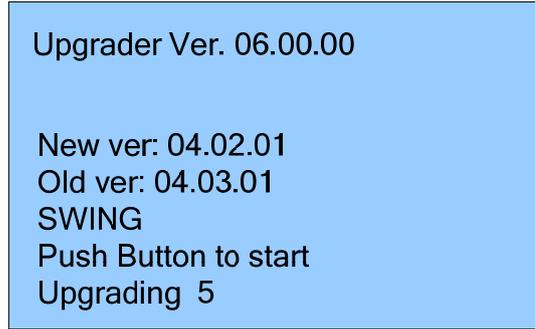


In the event you have no internet access, you can request the necessary files contacting the SUZOHAPP after-sales service at the following phone number: (+39) 02 95781111

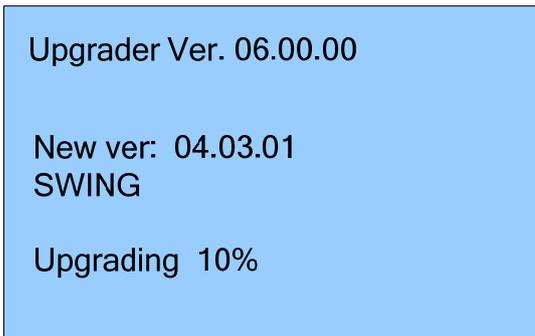
- e) Unzip the file you have just downloaded (or you received from the Comestero after-sales service) in any folder on your PC
- f) Copy all the .bin files contained in the folder (without renaming files and without creating any folders inside) into the SD Card
- g) Turn OFF Swing Next and make sure that the main switch of the unit is in the OFF position
- h) Insert again the SD Card into its slot onboard the machine CPU. Always observe its orientation (the side with manufacturer label facing up), and make sure to have it properly pushed towards the bottom

i) Turn ON the machine

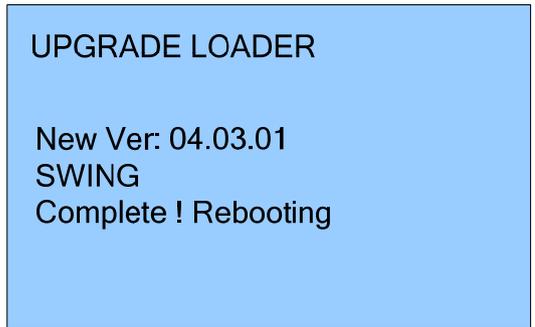
- j) Once you have turned ON the machine, it will display a screen very similar to the one shown in Figure here on the right
- k) Press any of the four external blue button within 5 seconds to start upgrading



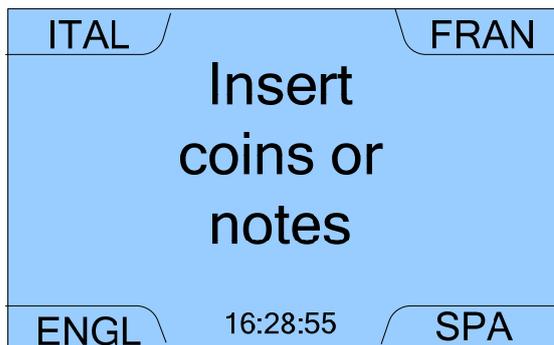
- l) When the upgrading start, you will see a screen very similar to the one shown in Figure here on the right. In this screen you will see also the percentage of completion of the upgrading (its progress is indicated by a progressive percentage of completion [%]) from 0% to 100%



- m) At the end of upgrading, the cash-in machine will show on screen the message "Complete! Rebooting", as shown in the Figure here on the right



- n) After a few seconds the machine will restart automatically and will display the usual Home screen as you can see in the Figure here on the right



o) Turn OFF the machine, make sure the machine main switch is in the OFF position

p) Remove the SD Card and insert it into a card reader connected to a computer. Delete the "ChangerMachine.bin" file and re-insert the SD Card again in its slot onto the machine





You have to delete the “ChangerMachine.bin” file from the SD Card after upgrading machine Firmware, to avoid that, every time you turn ON the machine, it automatically starts the Firmware upgrading.

Never delete the files inside the SD Card, except for the .bin file mentioned above. In this way you will preserve all previous data, for example accounting data, etc ..., you saved on the card.



In the event you need help, or for any further problem you encounter not described in this section, please contact our after-sales service at the phone number: (+39) 02 95781111.

Insert again the SD Card into the cash-in machine and turn ON Swing Next without pressing any button.

10. Care and Maintenance



All the maintenance operations performed inside the machine must be completed while the device is unplugged from the power supply.



Follow the warnings carefully so that the machine is always in the best operating conditions, preventing dangerous situations or situations which would render the warranty null and void.

10.1 External maintenance and cleaning

Keep the outer surfaces of the device clean. To do so it is advisable to use a cloth dampened with water or a bland detergent solution.

Do not use aggressive solvents that could damage the machine finish. Do not dip or expose the machine directly to water or liquids of any nature. Do not use water jet machinery (high-pressure washers) to clean the appliance. Periodically check the state of the machine surfaces paying special attention to the areas which, in normal operating conditions or through malice, could be hazardous for the user (sharp or ruined sheet-metal, rust, etc.).

Consult Comestero for further information and to order any part.

10.2 Internal maintenance and cleaning

Clean the interior of the machine with a damp cloth with water; use compressed air only to clean electric/electronic components.

Periodically check the wiring connections and verify that the connection cables of the peripherals have no points left without insulation or parts which are too bent.

If the user notices any anomaly in the cabling or connectors, he/she must have them immediately replaced by consulting Comestero for information and to order any spare part.

10.3 Idle Periods

During brief periods of downtime (two or three days), it is advisable to turn the device OFF from the main switch located on the back side of the equipment. During long periods of downtime it is advisable to disconnect the device from the power grid by unplugging the machine from the wall socket, and disconnect the battery protection fuses. Protect the machine from dust by covering it with a cloth and placing it in a dry place.

10.4 How to extract and reinsert the single coin hopper

In the event you need to pull out the single coin Hopper, for example when you need to extract a jammed coin in the coin validator infeed, proceed as below.



- Pull the foreign object collection drawer out



Fig. 33

- Unscrew the two shelf stops that support the single coin hopper
- Pull the shelf towards you



Fig. 34

- Unscrew the ringed nut located under the shelf where the hopper is located



Fig. 35

- Remove the hopper pushing down the base plastic ringed nut to detach it

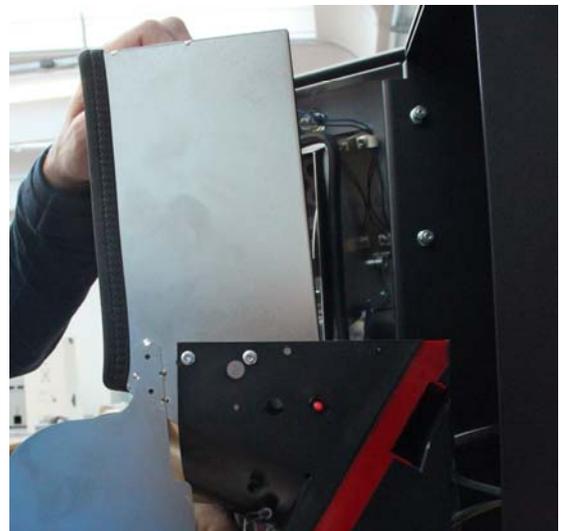


Fig. 36

- Disconnect the electrical connection, located at the back of the hopper, and the ground cable located on the extension

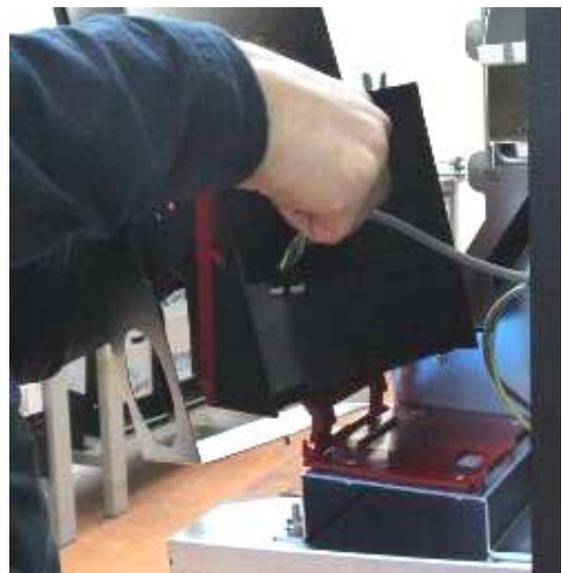


Fig. 37

- Extract the hopper



Fig. 38

- Move the coin validator away from the coin duct to detach it and pull it out



Fig. 39

- Disconnect the coin validator electrical connection



Fig. 40

- Check if there are any coins stuck at the entry way of the coin and, if present any, remove them



Fig. 41

- Check if there is some dirt inside the coin validator that can block or slow down the the coin entrance.



Fig. 42

EN

N.B. You need to clean the interior of the coin validator at least once a week to avoid a loss of efficiency of the coin validator or, in extreme cases, its jam.

- Check if there are coins, foreign objects or dirt that can obstruct the coin duct entrance of the coins and if any extract them



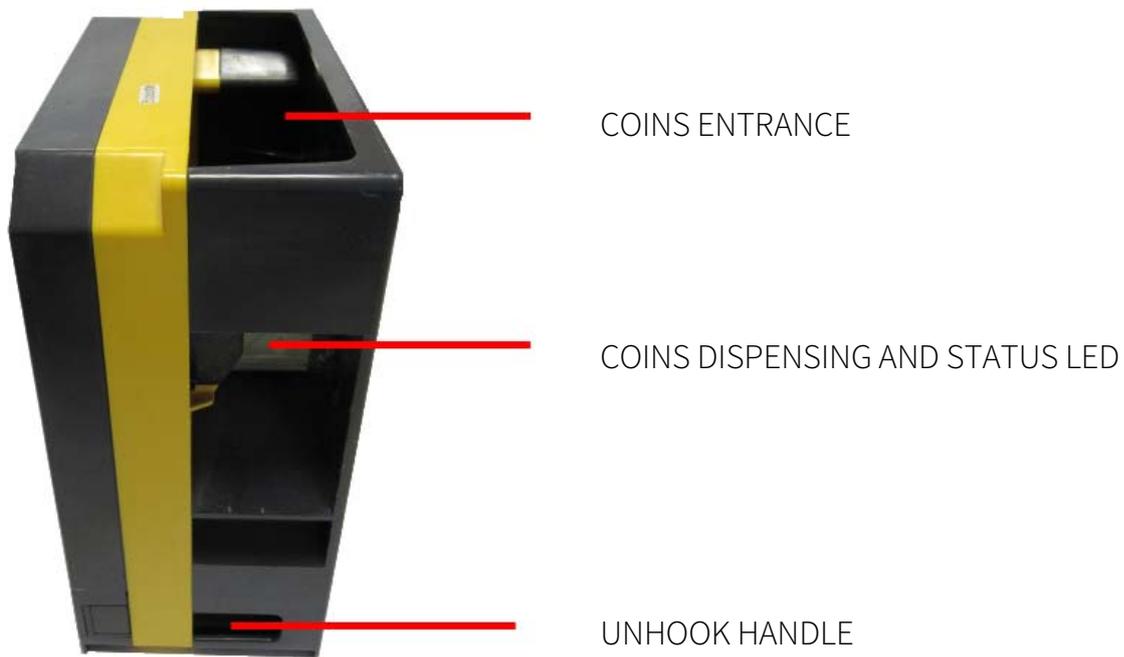
Fig. 43

- When relocating RM5 HD in its initial location and restoring the electrical connection, pay attention to pull back the cable to avoid any obstruction into the duct

10.5 How to extract and reinsert the Evolution Hopper

In the version of the cash-in machine with Evolution Hopper, you need to remove the Hopper following the instructions described below. If you want to make lighter the hopper, carry out emptying before taking it out.

Parts List



- Pull out the Hopper Evolution from its housing by slightly lifting up the base in order to unhook the stops

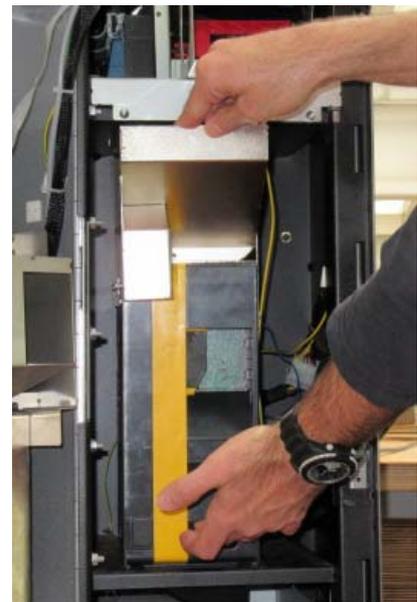
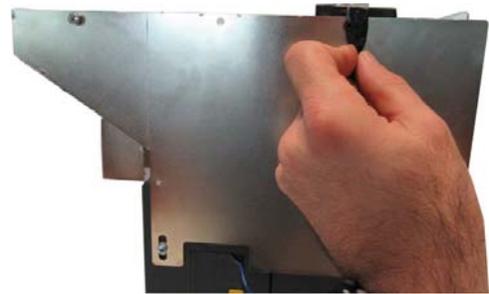


Fig. 44

- Using a screwdriver, unscrew the screw and remove the ground cable from the Evolution Hopper extension.



Fig. 45



- Disconnect the overflow sensor and remove the 4 screws that connect the extension to the hopper

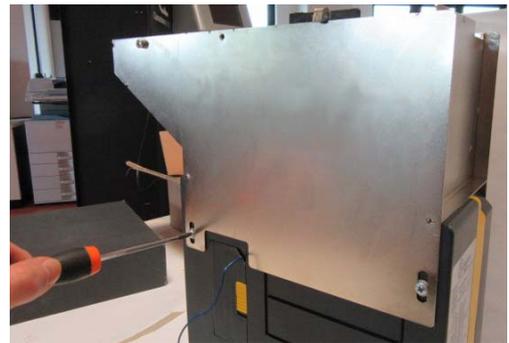


Fig. 46

- Remove the extension from the hopper



Fig. 47

- After making all the necessary operations, place back the hopper extension and screw tighten the 4 screws. Then place back the hopper in its housing. To ensure it is properly fixed, gently pull and check that the stops locks the horizontal displacement. If the hopper is not blocked, push it down until you hear the click of the down ledge that is put in the sleigh.

10.5.1 Internal cleaning of the Evolution Hopper

It is very important to periodically clean the Evolution Hopper disks to avoid dirt. Clean as follows:

1. Turn OFF the Swing Next cash-in machine and extract the Evolution Hopper disconnecting it from its sleid
2. Blowing compressed air, clean the coin collection compartment indicated by a circle in the Figure 48 below



Fig. 48

3. Clean, blowing compressed air and then acting with a damp cloth, the two brass plates located on the bottom of the coin compartment and indicated by a circle in Figure 49 below



Fig. 49

4. Place back the Evolution Hopper on its place, making sure it is firmly connected to it

10.6 How to extract and reinsert the Smart Hopper

In the version of the cash-in machine with Smart Hopper, you need to remove the Hopper, following the instructions described below. If you want to make lighter the hopper, carry out emptying before taking it out.

Parts List

- 1 Cover Unhook
- 2 Coins input
- 3 Coins dispenser
- 4 LED status
- 5 Unhook Handle
- 6 Security Lock (optional)



EN

- Disconnect the Smart Hopper extension ground cable



Fig. 44

- Extract the Smart Hopper from its housing by lifting up slightly the base in order to release it from the stop device



Fig. 45

- Unscrew the 6 screws that connect the extension to the hopper



Fig. 46

- Remove the extension from the hopper



Fig. 47

- A possible coin jam can occur on the disk sorting or in the coins out path. Empty the hopper to gain access to the disk and remove the coins jammed
- After making all the necessary operations, place back the hopper extension and screw tighten the 6 screws. Then place back the hopper in its housing. To ensure it is properly fixed, gently pull and check that the stop device lock the horizontal displacement. If the hopper is not blocked, push it down until you hear the click of the ledge below that fits into the slide

10.6.1 Internal cleaning of Smart Hopper

It is very important to periodically clean the Smart Hopper disks to prevent the accumulation of dirt can give invalid information in the normal device operation.

Clean as follows:

1. Turn OFF the Swing Next cash-in machine and extract the Smart Hopper disconnecting it from its sled
2. Then, after the hopper has been removed, separate the extension from the hopper

3. Clean, blowing compressed air, the coin collection compartment, indicated by a circle in the Figure 54 here on the right



Fig. 54

4. Clean, blowing compressed air, the coins out and in particular the area where there is the out sensor, indicated by a circle in Figure 55 here on the right

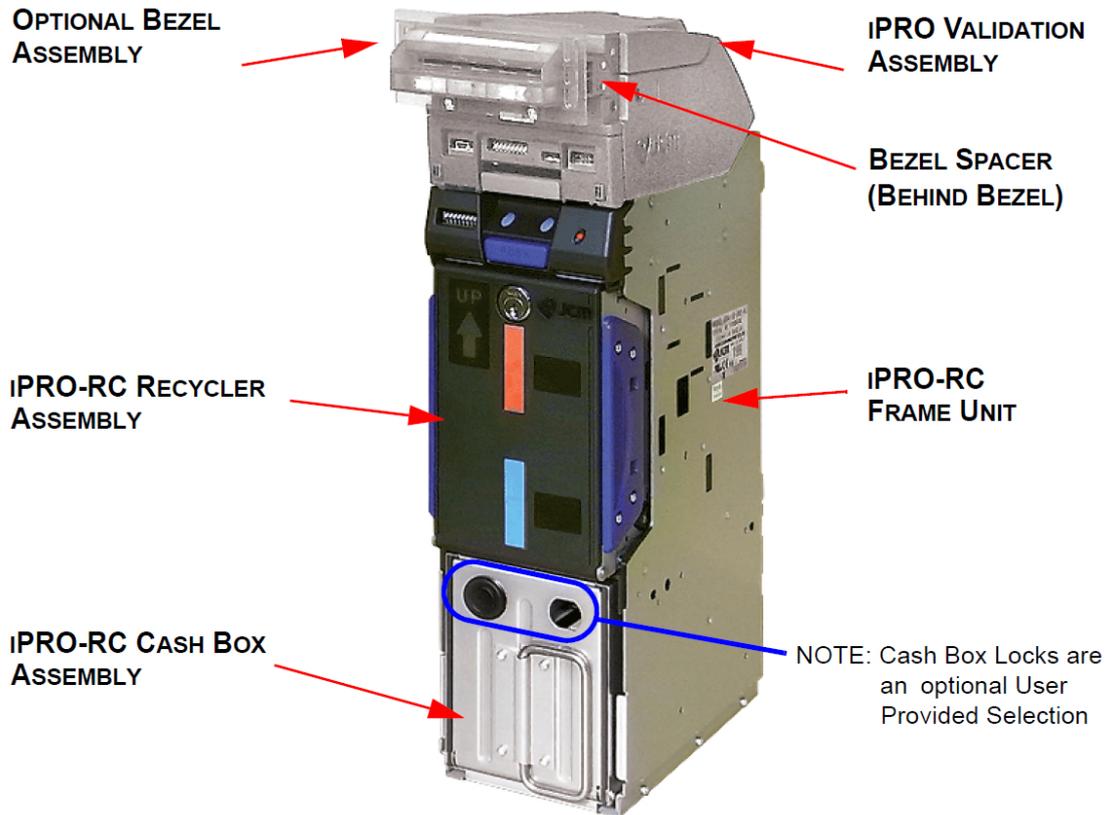


Fig. 55

10.7 How to unlock the iPRO-RC™ device

In the event of fault or jam, the front of the reader/dispenser will flash with a light sequence that informs the user about a possible problem (blu pulses and red pulses). If one or more banknotes are jammed inside the iPRO-RC™ device, the latter can be manually unlocked using the procedure here below

Parts list



- By pressing the dedicated button, pull out the drawers of the recycler unit and the cash box as described in section 7.1, verifying that there are no banknotes jammed in



Fig. 52



Fig. 53



Fig. 54



Fig. 55

EN

- At the end of the operation, place back the cash box and the recycler drawers in its place
- Turn OFF the cash/in machine
- Acting on the front lever of the banknote validator, remove the reading head by sliding it forward keeping the lever lifted up



Fig. 56

- Check for banknotes jammed inside the head itself and pull them out



Fig. 57

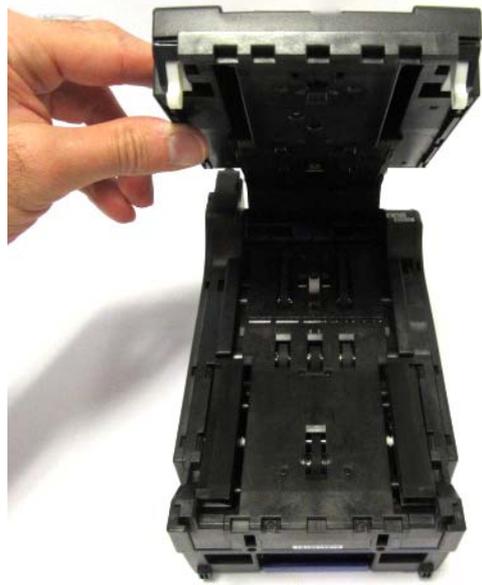


Fig. 58

- At the end of the operation place back the reading head in its place

If, in case it has not been possible to extract the jammed banknotes not even in this way, disassemble the iPRO-RC™ device as described below

- Unscrew the four screws that hold the iPRO-RC™ banknote recycler to the Swing Next cash-in machine covers



Fig. 59

- Slide forward iPRO-RC™. Disconnect the power supply and all other cables connected to the reader in the positions indicated with a circle in the Figure here on the right

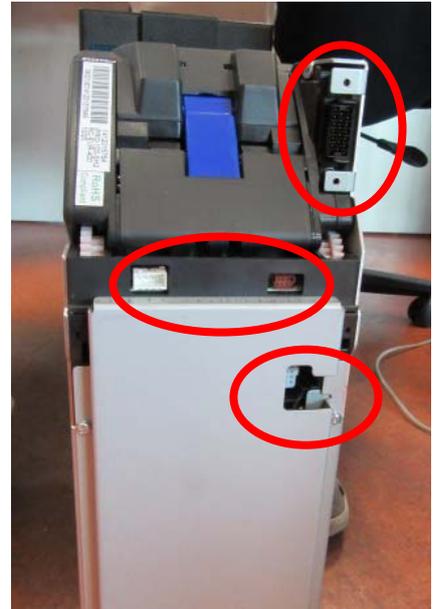


Fig. 60

- Completely remove the iPRO-RC™ unit from the appliance



Fig. 61

When a banknote is jammed in iPRO-RC™ unit, proceed as follow to clear:

1. Open the upper guide of the iPRO's transport unit (see Figure 62-a)
2. Remove the jammed banknote from the transport path (see Figure 63-a)
3. If the banknote jam location is not visible, press the recycler unit's "Release" push button (vedi Figura 62-b) and pull the recycler unit out of the frame assembly (see Figura 62-c).
4. Once the recycler unit is out of the frame assembly, check inside the frame housing and remove any jammed banknotes that may be inside (see Figure 63-b)
5. If the jammed banknote is not visible, unlock and open the recycler unit door using the appropriate key supplied (see Figure 62-d); then remove the jammed banknote from inside either the RC1-bin space, or the RC2-bin space of the recycler unit assembly (see Figure 63-c)

6. If the banknote jam location is still not visible, pull the cash box out of the frame (see Figure 62-e) and remove the jammed banknote from inside the frame unit (see Figure 63-d)
7. Open the cash box door using the appropriate user supplied key(s) as shown in Figure 62, and remove the jammed banknote from inside the cash box (see Figure 63-e)

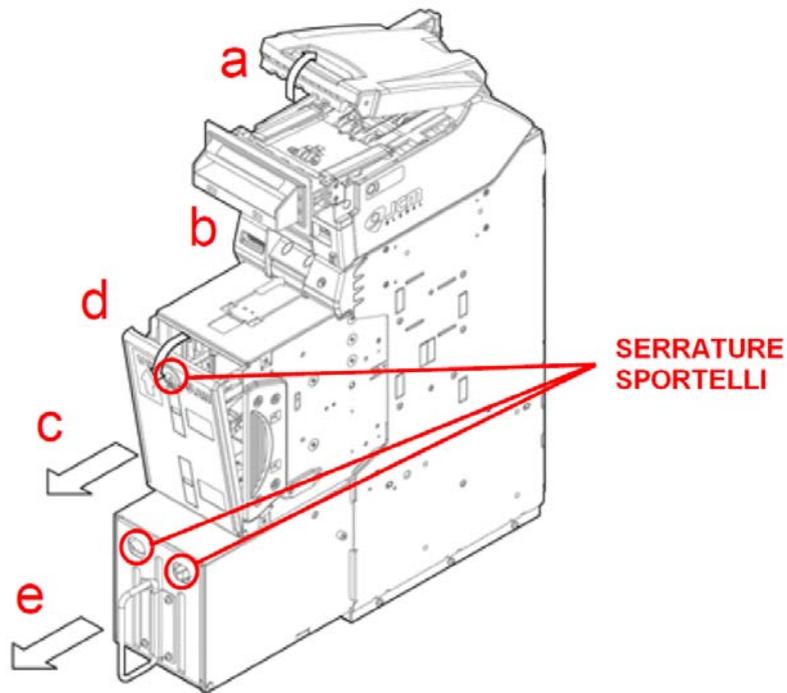


Fig. 62

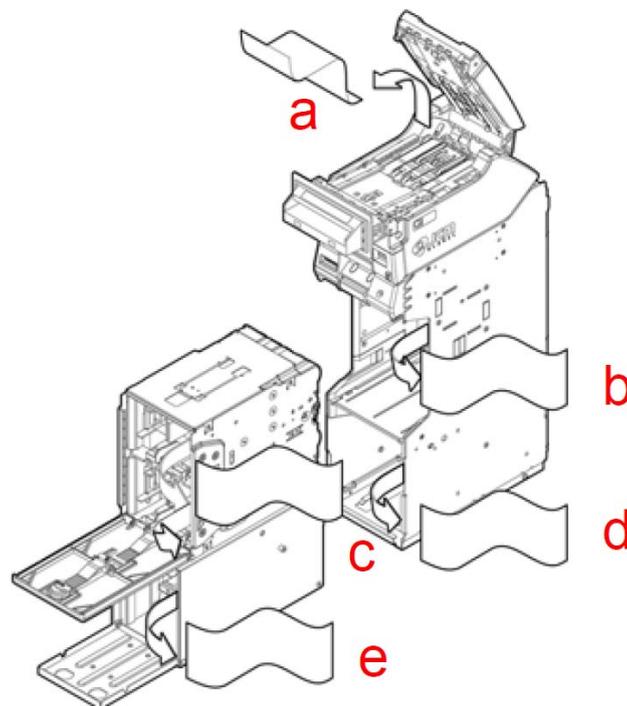


Fig. 63

8. At the end of the operation place back the iPRO-RC™ banknote reader inside the machine making sure all the wirings are placed back. Then turn ON the Swing Next cash-in machine. With the machine running, launch the automatically emptying banknotes

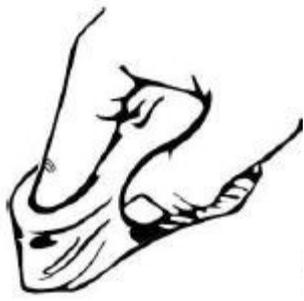
dispenser procedure following the instructions already described in section 7.4 “How to empty the banknotes dispenser” to reset the counters

10.7.1 iPRO-RC™ unit maintenance

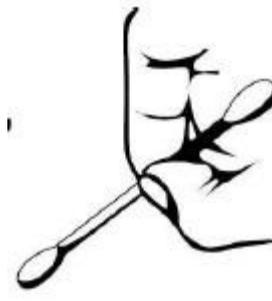
The recognition of banknotes is based on optical and magnetic methods. The sensors detect the note and compare these values with the reference values. With help of pinch rollers and transport belts, the bills are routed over the sensors and into the cash box.

A proper functionality is only ensured by a regular based maintenance. Contamination and damage directly affects the acceptance rate. We recommend an outside cleaning every 6 months and a complete cleaning every 12 months.

To clean correctly the device, use only the following cleaning material:



Cleaning tissue



Cotton bud



Cleaning card

EN

10.7.2 External cleaning of the iPRO-RC™ unit

Clean yellow marked area, shown in the Figures below, with a lint-free tissue and cleaning fluid.



10.8 iPRO-RC™ recycler unit width and length guide replacement

The iPRO-RC™ width and length guides located in the recycler unit need to be replaced by a qualified technician using the following procedures.

With the cash-in machine OFF, remove the recycler unit pressing the PUSH button, as shown with an arrow in the Figure 64 here on the right



Fig. 64

10.8.1 Length guide replacement

To replace the length guide in the recycler unit, proceed as follows:

1. Use the supplied key to unlock the recycler unit door (see Figure 65-a) and open the door

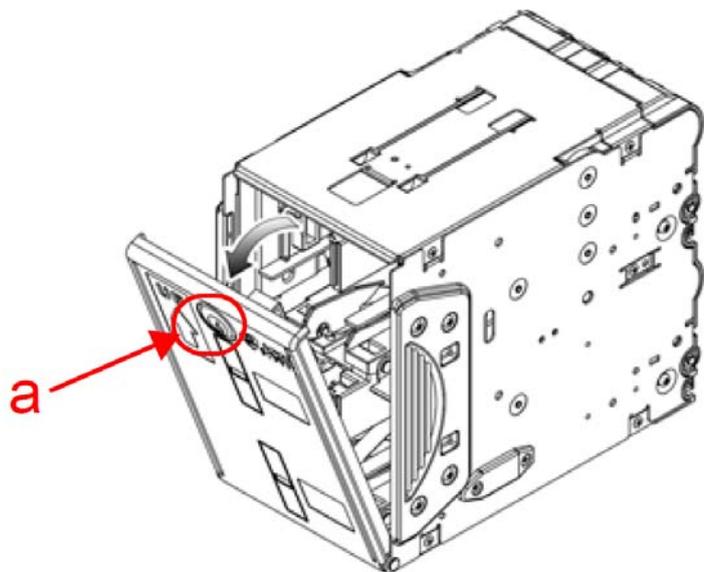


Fig. 65

2. Remove the four (4) screws retaining the length guide in place (see Figure 66-a). Pay attention to the bottom length guide, since a clear plastic flap is fixed to it. This is useful to put correctly the banknote when the reader is running (for further details, please see Figure 67 below)

3. Lift the length guide upward, as indicated by graphic arrow **A** in Figure 66
4. Slide the length guide in the direction indicated by graphic arrow **B**, as shown in Figure 66
5. Lift the length guide upward again, as indicated by graphic arrow **C**, and lift the length guide up and off the recycler unit door
6. Remove the two (2) screws (see Figure 66-d) from the removed RC length guide, and fix the guide replacement (see Figure 68 below)

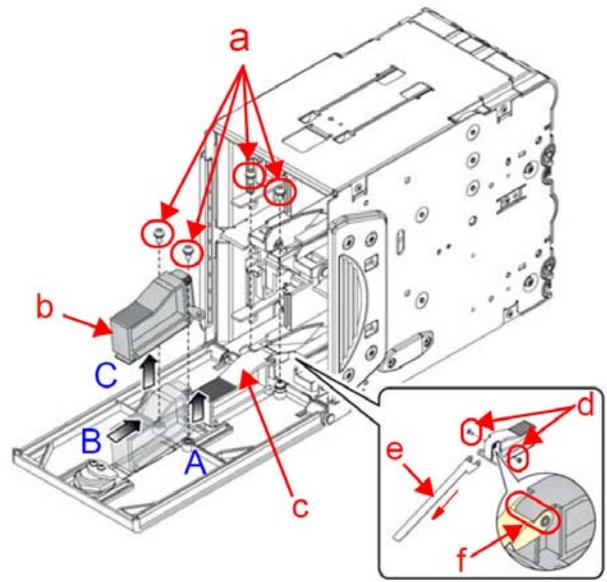


Fig. 66

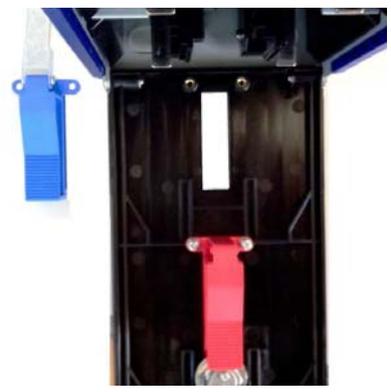


Fig. 67



Fig. 68



Remove both RC1 (see Figure 66-b) and RC2 (see Figure 66-c) length guides during the same procedure.



When installing the L guide assist sheet, be sure that convex portions of the length guide fit into the holes provided for them on the right and the left sides of the L guide assist strip (see Figure 66-f).

7. Remove the L guide assist strip (see Figure 66-e) and install the length guide replacement
8. Once done, check that outwardly this flap is flush with the door (see Figure 69), then screw it. Insert the clear flap under the support base of banknotes (see Figure 70)



Fig. 69

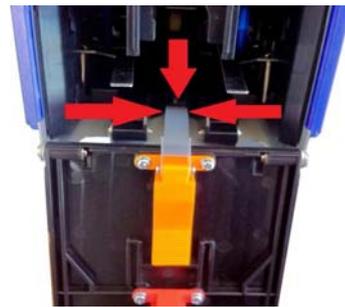


Fig. 70

10.8.2 Length guide installation

To install a new length guide into the recycler unit, proceed as follows:

1. Place the new length guide in the direction indicated by graphic arrow **A** in Figure 67-a
2. Slide the length guide in the direction indicated by graphic arrow **B**, and align it to the edge of the RC recycler door (see Figure 67-a)
3. Install the four (4) length guide mounting screws (see Figure 67-b) for re-assembly



When installing the RC2 length guide (see Figure 67-c), insert the L guide assist strip onto the door (see Figure 67-d), to complete this procedure.

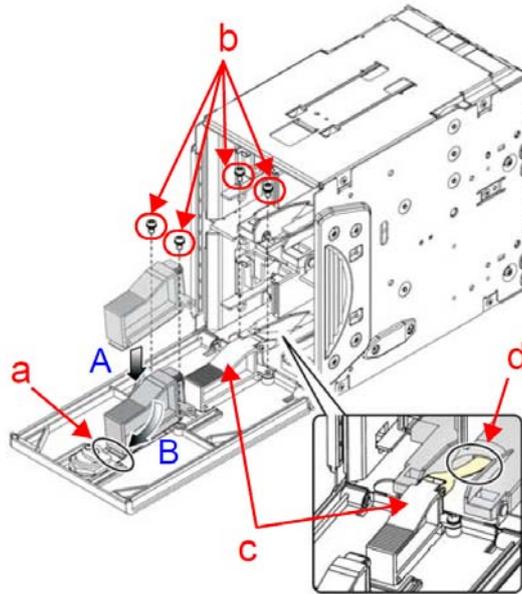


Fig. 67

10.8.3 Width guide replacement

To replace the width guide in the recycler unit, proceed as follows:

1. Remove the two (2) mounting screws for each side of the recycler unit (see Figure 68 here on the right for details)



Fig. 68

2. Lift the RC race upward and remove it up and off the recycler unit (see Figure 69 here on the right)

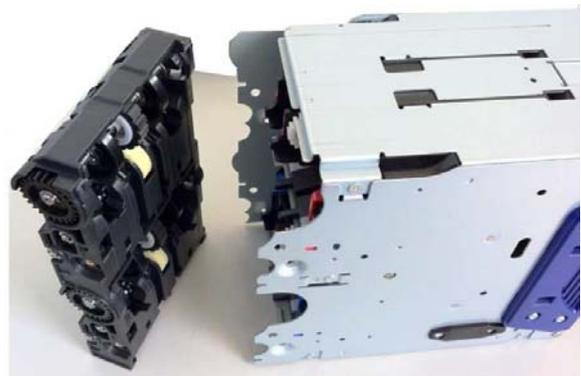


Fig. 69

- Slide each width guide in the direction indicated by the small arrows (see Figure 67-a1, a2 & b1, b2) then remove it off of the recycler unit

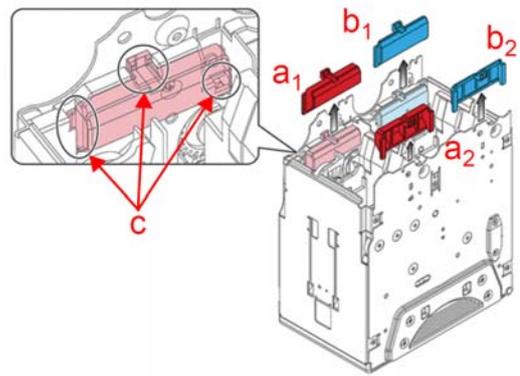


Fig. 67

- Install the desired width guide by reversing the procedure in step 1 through 3 above



When installing a width guide, fit the length guide into the recycler unit indentations, as shown in Figure 67-c.



A width guide may not be necessary, depending on the denomination value desired. Refer to the specific “software information sheet” to confirm the width guide selection required for your country’s currency.

- Holding the recycler unit with the width guide area just replaced upwards, reassemble the RC race (see the Figure 68-a here on the right) onto the recycler unit
- install the four (4) mounting screws (see figure 68-c) previously removed into both sides of the recycler unit (the holes for the screws, must therefore correspond to that previously removed)

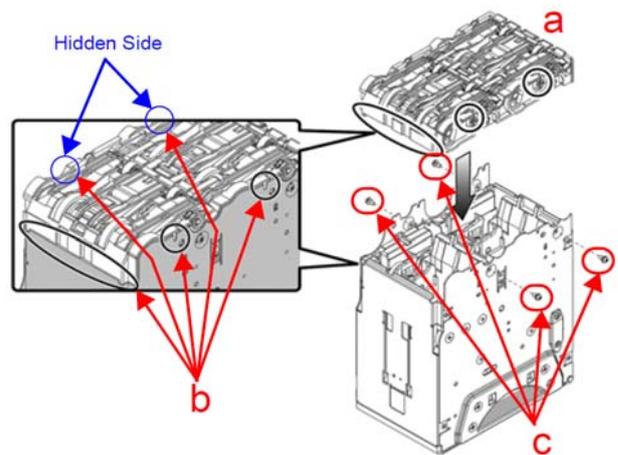


Fig. 68



Ensure that no space exists where the RC race convex area meets the recycler unit’s indentations indicated by the circled area in Figure 68-b.

This completes the iPRO-RC™ recycler unit width and length guide replacement section.



Refer to each country's "Software Information Sheet" when selecting the banknote guides for the iPRO-RC.

10.8.4 How to choose the correct recycler unit banknote guide

The following table lists the various banknote guides managed by the iPRO-RC™ device. Select the correct banknote guide by referring to the iPRO-RC™ banknote guides table before operating the unit.

GUIDE SIZE SELECTIONS	NO WIDTH GUIDE	62 mm WIDTH GUIDE (Gray)	67 mm WIDTH GUIDE (Red)	72 mm WIDTH GUIDE (Blue)
120 mm LENGTH GUIDE (Gray)	N/A	5 Euro	N/A	N/A
67 mm LENGTH GUIDE (Red)	N/A	N/A	10 Euro	N/A
133 mm LENGTH GUIDE (Blue)	N/A	N/A	N/A	20 Euro
140 mm LENGTH GUIDE (Orange)	50 Euro	N/A	N/A	N/A
147 mm LENGTH GUIDE (Green)	100 Euro	N/A	N/A	N/A

EN

10.9 Coin dispenser controller

To remove a jam or to do maintenance and cleaning operations, moving the peripheral from its seat, unhooking the retention handle that maintains it in position.

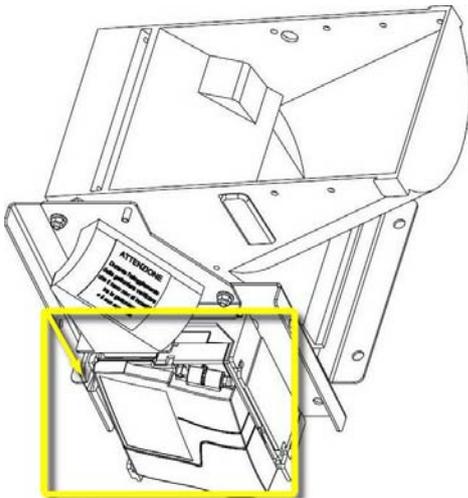


Fig. 92



Fig. 93

To access the coins path you must open the inspection door, pressing the unhooking handle. The door comes back in its position spontaneously, pressed by the spring.



Fig. 94



Fig. 95

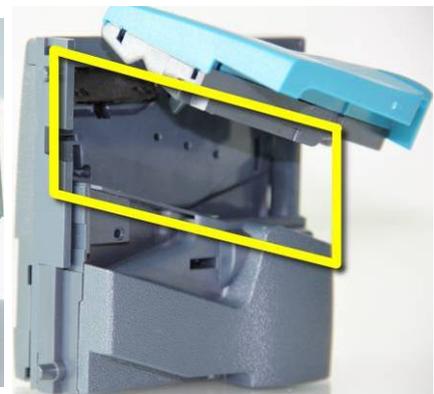


Fig. 96

10.11 Emergency battery

Swing Next is provided with an emergency battery to ensure the completion of any on-going operation in the event of electricity failure. This is useful to prevent the interruption of payout services in the event of accidental power outage or temporary blackouts.

PAY ATTENTION:

Never disconnect the emergency battery. In the event you need to replace it, please refer to qualified **technician**. To ensure maximum efficiency of the cash-in machine, it is recommended to

replace the batteries every 3 years from the date of purchase.

11. Technical Assistance and diagnostics

This section lists the anomalies that occur most frequently during use of the product and the respective corrective action to avoid or reduce any downtime of the machine to a minimum.



If the problem you are encountering is not described here or should the solution not solve it, please contact SUZOHAPP after-sales service at (+39) 02 95781111.

EN

Cause	Solution
The equipment does not turn ON or the display shows the message “battery out of order”.	Make sure the cable is connected to the power supply.
	Make sure the main switch is in “I” position (ON).
	Verify the battery and the relative cable.
	Make sure the 2 protection fuses are not burnt.
The machine iPRO-RC™ reader not working.	Verify 24 Vdc power supply is connected and all harnesses are securely connected.
Banknote jams occurring into the machine’s iPRO-RC™ reader.	Clean the transport path, remove foreign material.
	Re-seat the acceptor into the frame, ensure latches are secure.
	iPRO 100 banknote is wider than 85mm or narrower than 62mm
Low banknote acceptance rate by the reader.	Clean the transport path. See preventive maintenance procedure.
	Disconnect the reader and open it.
	Make sure the reader is perfectly closed.
The Swing Next’s iPRO-RC™ reader upper guide will not open.	Use a 2.5 hex nut driver to open the centering guides and check for debris. Reset the acceptor.

Cause	Solution
With the iPRO-RC™ reader mounted onboard the equipment, all banknotes being rejected by the machine.	Make sure the Hopper (Evolution or Smart Hopper) is not empty.
	Make sure the cash box has not reached the maximum limit of banknotes.
	Make sure that the required banknote denomination is enabled.
	Make sure there are no jammed banknotes (see section 10.6 and section 10.7 for details).
The iPRO-RC™ motor continues to run.	Open the upper guide and remove any debris or banknote. clean the transport, if needed.
	Firmly close the upper guide.
With the iPRO-RC™ validator mounted onboard the equipment, the machine does not dispense any banknotes.	Make sure that the required banknote denomination is enabled.
	Make sure the iPRO-RC™ recycler unit drawers is full and properly connected to the machine.
	Check if there is a jam of banknotes (see section 10.6 for details).
The equipment does not accept the inserted coins.	Check the coin validator and the hopper that feeds it, to search for any coins or objects that are getting stuck (see section 10.5 for details).
The count does not start.	Make sure some coins have not been already inserted and that the count has not been already carried out.

11.1 Diagnostic of the peripherals

11.1.1 Evolution Hopper diagnostic signals

The LEDs in front of the Evolution Hopper give an indication of its operating status. They are provided for an easy visual control of the power supply status, the security and sensors of coins status.

If ON with steady light, the lower green LED indicates the proper functioning of the coin dispensing system. In the event of a fault or jam, the red LED goes OFF. This switching OFF, indicates that a problem on the device is happened, such as the optical sensor is dirty and requires cleaning, etc ... In this case, we exhort you to immediately contact the Comestero customer service in order to solve your problem. Once the fault has been removed, the red LED switches ON again.

When the device is dispensing coins, the upper green LED flashes. Counting the number of flashes you will be able to know the number of coins and/or tokens dispensed at the end of change.

The following table summarizes the status in which you can find the three LEDs of the Evolution Hopper coin dispenser.

Upper Green LED	Red LED	Lower Green LED	Hopper Status or problem
OFF	ON	ON	Correct operation
OFF	ON	Flashing	Dispensing coins
OFF	OFF	ON	Sensor obstruct or hardware problem (please contact technical support)
ON	ON	ON	Contact technical support

11.1.2 Smart Hopper diagnostic signals

The two leds, put on the right side front of the hopper, give indications on its work status. The switch on green led flashes with 1 Hz frequency and reveals the correct function of the system.

In the event of an anomaly or jam, the different red led flash lights, revealing the possible problems that have been occurred.

The table below lists the different flash lighting codes. The flash light sequence is always repeated after short pause, and continues until the problem has been solved.

Flashes	Error indication	Solution
1 imp./sec Green light	Operation correctly	-----
2	Calibration Error	Turn OFF and turn ON Swing Next. Clean the exit sensors and verify that there are no coins jammed.
3	Communication Error with the machine	Turn OFF and turn ON Swing Next. Make sure that, in the event of a Hopper replacement, the correct protocol has been installed on it.
4	Coins Jam	Manually empty the Hopper and check the wheel on the bottom and its out sensor.
5	Attempted fraud or tampering	Make sure that in the outlet duct of the hopper there are no coins jammed. Turn OFF and turn ON machine. Clean the area of the coin output sensor.
6	Hopper system empty	Fill the hopper with coins
7	Checksum error	Turn OFF and turn ON Swing Next.
8	Hopper sensors not initialized	Turn OFF and turn ON Swing Next.
9	The Cover has been removed	Place the cover back on the hopper



12. Technical data

Dimensions (lxhwx) [mm]:	280 x 1600 x 475
Weight [Kg]:	97 (empty) + 6 (anti tipping base) or 16 (clamp)
Input voltage [Vac / Hz]:	230 / 50
Nominal current [A]:	1
Absorbed power [W]:	120
Operating temperature [°C]:	5 ÷ 50
Dispensable banknotes [Euro]:	5/10/20/50/100/200/500
Dispensable coins [Euro]:	0.50/1/2
Coin Recharge Procedure:	Automatic and Manual and level restore
Banknote Recharge Procedure:	Automatic and level restore
Coin Emptying Procedure:	Automatic
Banknote Emptying Procedure:	Automatic
Coins capacity	
Evolution Hopper with extension:	2500 Pcs. (1,00 Euro)
Cash point:	3500 Pcs. (1,00 Euro)
Swinging drawer coin capacity:	750 Pcs. (1,00 Euro) approximately
iPRO-RC™ banknote capacity [Euro]:	500 Pcs. (into the cash) + 70 (into the recycler)
Installed peripherals	
Electronic coin validator:	Comestero RM5 HD
Single coin hopper:	Azkoyen UII Plus
Banknote validator/dispenser:	Innovative Technology NV200 with iPRO-RC™
Coins dispenser:	Multi coin with extension Innovative Technology Smart Hopper
Default configuration	
Coin accepted [Euro]:	0.50 - 1 - 2
Dispensable coins (hopper) [Euro]:	from 0.50 to 2
Banknotes accepted [Euro]:	from 10 to 50 (100/200/500 Euro are disabled)
Dispensable banknotes [Euro]:	from 10 to 50 (100/200/500 Euro are disabled)

POSITION	CODE	DESCRIPTION
3	1076-20-0011-B	ANGULAR FOR FIXING BATTERY
5	1080-20-0001-A	CABINET
6	302060000000007A	YUASA 12V 2,1Ah BATTERY
7	1078-20-0005-A	CARTER FOR MEDIUM VOLTAGE AREA
8	Z/X-CAVOSCK90	POWER CORD WITH SCHUKO 90° 10A PLUG
14	Z/DC-FILTRO	MAINS FILTER WITH TWO FUSES
15	1078-30-0302-A	EVOLUTION HOPPER GROUP
16	1078-30-0101-A	DOOR GROUP WITH HOPPER EVOL + iPRO-RC™
17	1078-30-0402-A	JCM iPRO-RC™ RECYCLER GROUP
18	1078-30-0200-A	SHELF FOR LOADING COINS GROUP
20	1076-20-0010-A	FIXING HINGE PLATE
21	C33-M403-SI1	FUSE BOX 1 POLE WITH FIXING HOLE
22	1076-20-0056-A	SMALL DOOR TO CLOSE POWER
27	1078-20-0020-A	ANTI-TIPPING BASE
30	1076-40-0005-B	CABLED TRANSFORMER ROCK REV.B

13.2 Swing Next general assembly with Smart Hopper

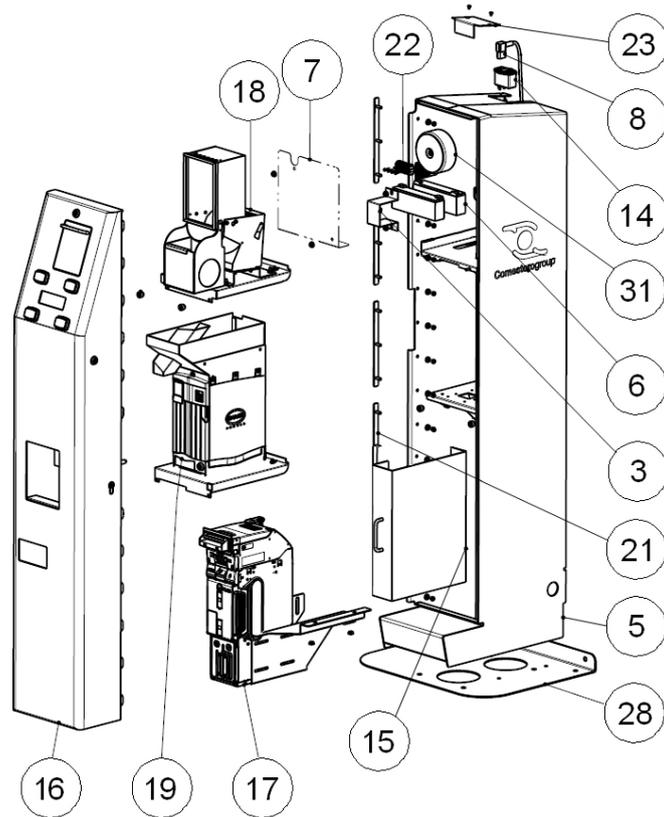


Fig. 79

POSITION	CODE	DESCRIPTION
3	1076-20-0011-B	ANGULAR FOR FIXING BATTERY
5	1078-20-0002-B	CABINET
6	30206000000007A	YUASA 12V 2,1Ah BATTERY
7	1078-20-0005-A	CARTER FOR MEDIUM VOLTAGE AREA
8	Z/X-CAVOSCK90	POWER CORD WITH SCHUKO 90° 10A PLUG
14	Z/DC-FILTRO	MAINS FILTER WITH TWO FUSES
15	1080-30-0500-A	CASH BOX GROUP
16	1078-30-0100-A	DOOR GROUP WITH SMART HOPPER + PAYOUT
17	1078-30-0403-A	RECYCLER GROUP JCM iPRO-RC™
18	1078-30-0200-A	SHELF FOR LOADING COINS GROUP
19	1078-30-0300-A	SMART HOPPER GROUP

POSITION	CODE	DESCRIPTION
21	1076-20-0010-B	FIXING HINGE PLATE
22	C33-M403-SI1	FUSE BOX 1 POLE WITH FIXING HOLE
23	1076-20-0056-A	SMALL DOOR TO CLOSE POWER
28	1078-20-0020-A	ANTI-TIPPING BASE
31	1076-40-0005-B	CABLED TRANSFORMER – ROCK

13.3 Door group (Cod. 1078-30-0100-A) and (Cod. 1078-30-0101-A)

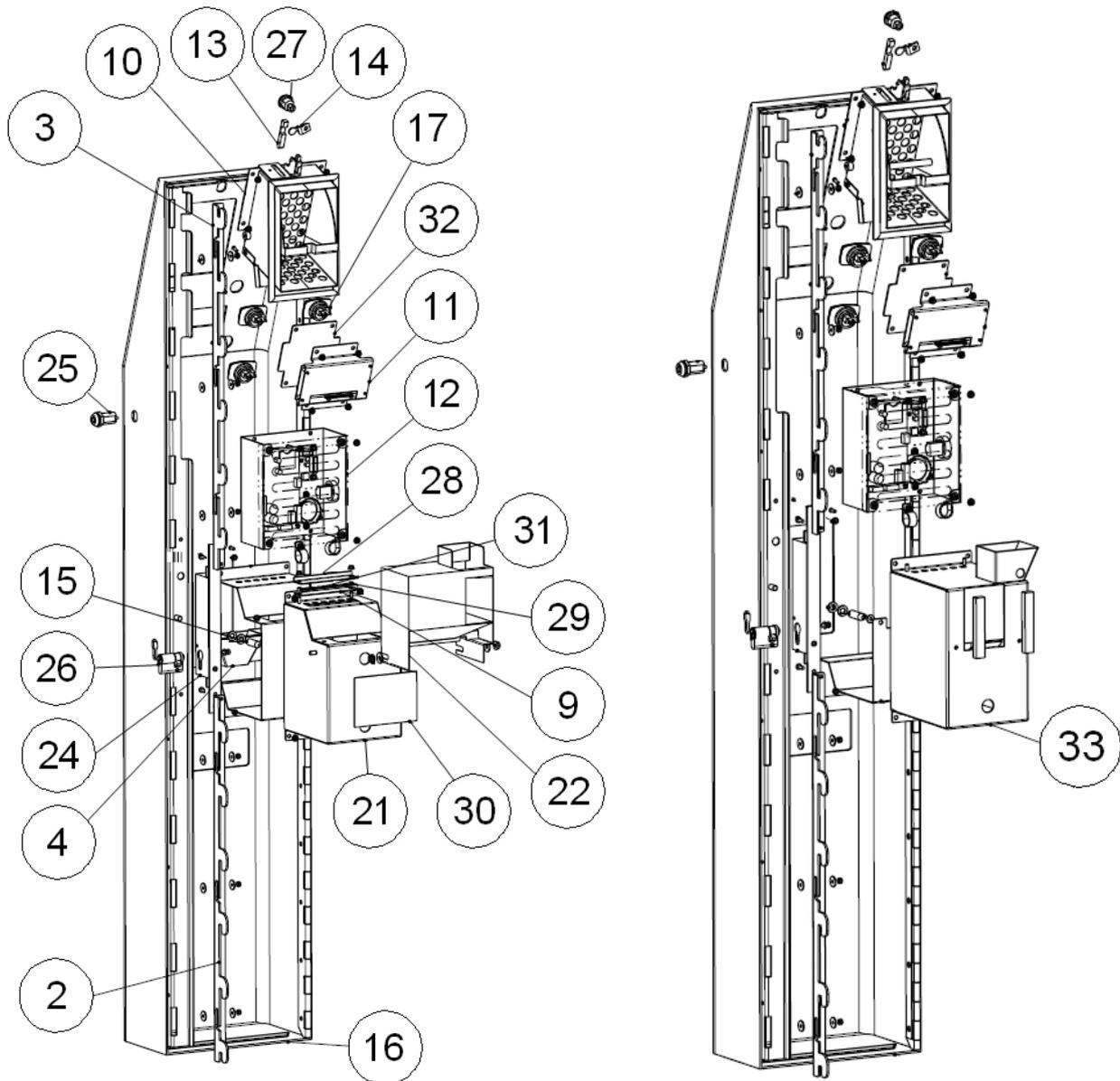


Fig. 80

POSITION	CODE	DESCRIPTION
2	1076-20-0025-B	BOTTOM BOLT FOR DOOR
3	1076-20-0024-B	UPPER BOLT FOR DOOR
4	1076-20-0023-A	DUCT FOR GOOD LUCK CUP
10	1078-30-0600-A	LOADING COINS SHELF GROUP
11	30-1067-05A	LCD 192X64 BLU 3,3V DISPLAY GROUP
12	1078-30-0700-A	CPU BOARDS GROUP
13	1078-20-0014-A	LOCKING DRAWER STAKE
14	1078-20-0013-A	STAKE FOR DRAWER CLOSING
15	1076-20-0026-A	ROD FOR DOOR CENTERING
16	1078-20-0001-B	DOOR
17	SZ/26-1338-96	RECTANGULAR 52x37 BUTTON WITH BACK LIGHT - BLUE / WHITE
21	1076-20-0022-A	COLLECTION TRAY BOX
22	1078-20-0008-A	HOPPER COINS SLIDE
23	1076-20-0021-A	COLLECTION TRAY SLIDE
24	30137000000181A	CYLINDER INSERTING LOCK [CISA 46270-35]
25	SSTCPKD/2	ELECTRIC LOCKS PERMANENT CONTACT
26	30137000000166A	STS LOCK MOD 3953 MEGA 6 KEY (40 = 30+10)
27	SCT17KD	TUBULAR LOCKS 17 mm KD
28	1041-20-0012-A	CASH BOX LED BRACKET
30	27-13917A	SMART HOPPER SIGNALS PLAQUE
31	C6-T-6-5-4	TUBE EXT. DIAM. 6 INT. DIAM.4 H=5
32	20-13916A	GLASS FOR DISPLAY
33	1078-30-0199-A	TRAY GROUP WITH EVOLUTION HOPPER

13.4 Drawer group with Evolution Hopper (Cod. 1078-30-0199-A)

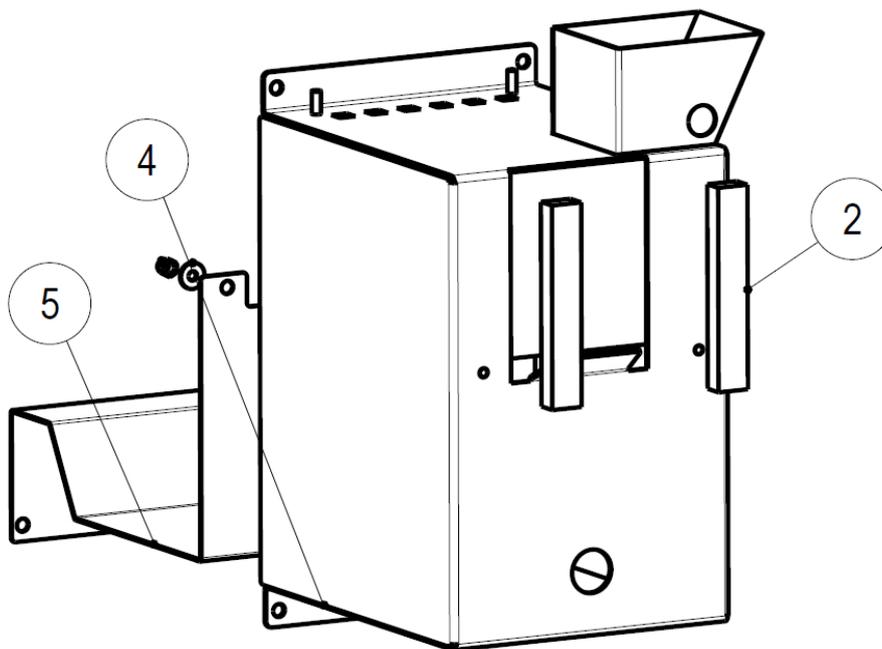


Fig. 81

POSITION	CODE	DESCRIPTION
2	C11-29-10-15x10	ADHESIVE GASKET 15x10 - EPDM Exp.
4	1078-20-0026-A	SUZHAPP EVOLUTION HOPPER COLLECTION COMPARTMENT
5	1078-20-0027-A	SUZHAPP EVOLUTION HOPPER COLLECTION SLIDE

13.5 Shelf group for loading coins (Cod. 1078-30-0200-A)

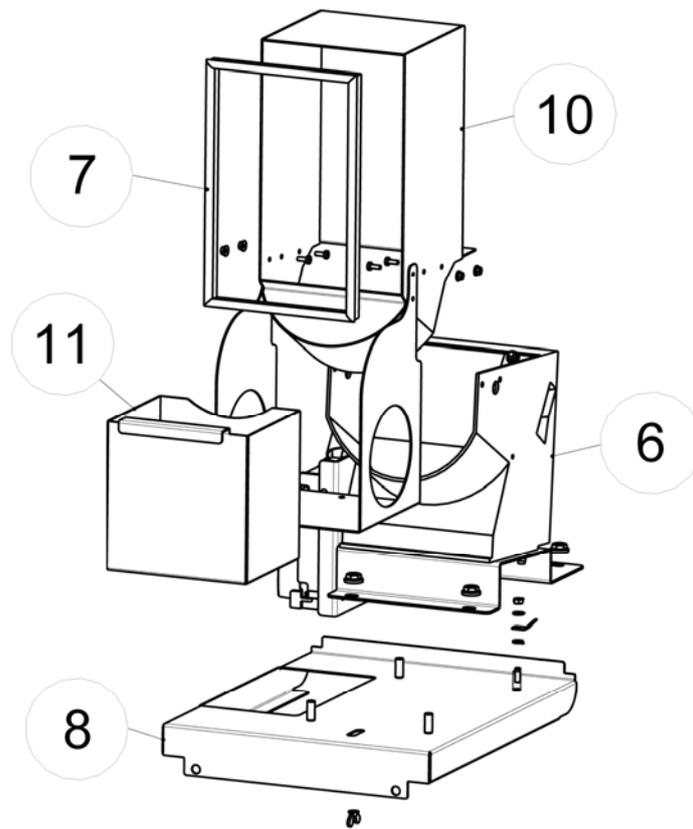


Fig. 82

POSITION	CODE	DESCRIPTION
6	1076-30-0800-A	LOADING COINS GROUP
7	1076-20-0007-A	GASKET FOR COINS HOPPER CHANNEL STOP
8	1078-20-0006-A	LOADING COINS SHELF
10	1076-20-0006-A	HOPPER TANK FOR LOADING COINS
11	1078-20-0003-A	TANK FOR LEFTOVER COLLECTION

13.6 Loading coins group (Cod. 1076-30-0800-A)

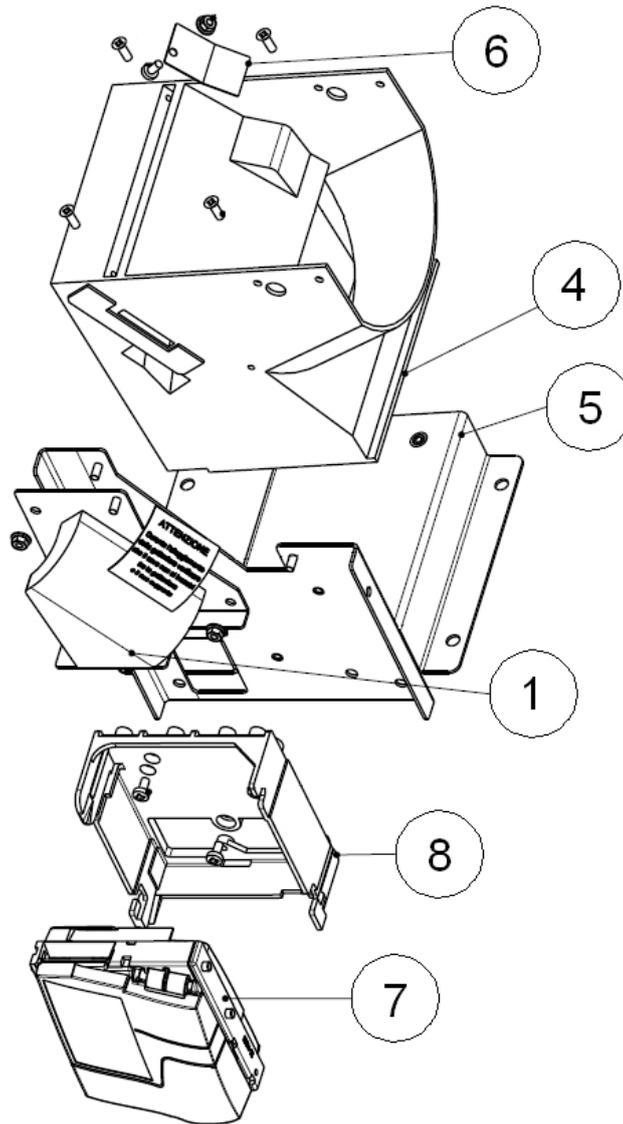


Fig. 83

POSITION	CODE	DESCRIPTION
1	20-13940-B	HOPPER COINS AND TOKENS DUCT
4	CM/HOPPER/AZK-M	HOPPER AZKOYEN
5	1076-20-0005-A	FIXING PLATE COIN VALIDATOR – HOPPER
6	1076-20-0059-A	PLATE FOR HOPPER LOADING
7	GEH003000012-C	RM5HD G – SWING
8	RMGRSUP/U/EL	“U” SUPPORT FOR COIN VALIDATOR

13.7 Evolution Hopper group (Cod. 1078-30-0302-A)

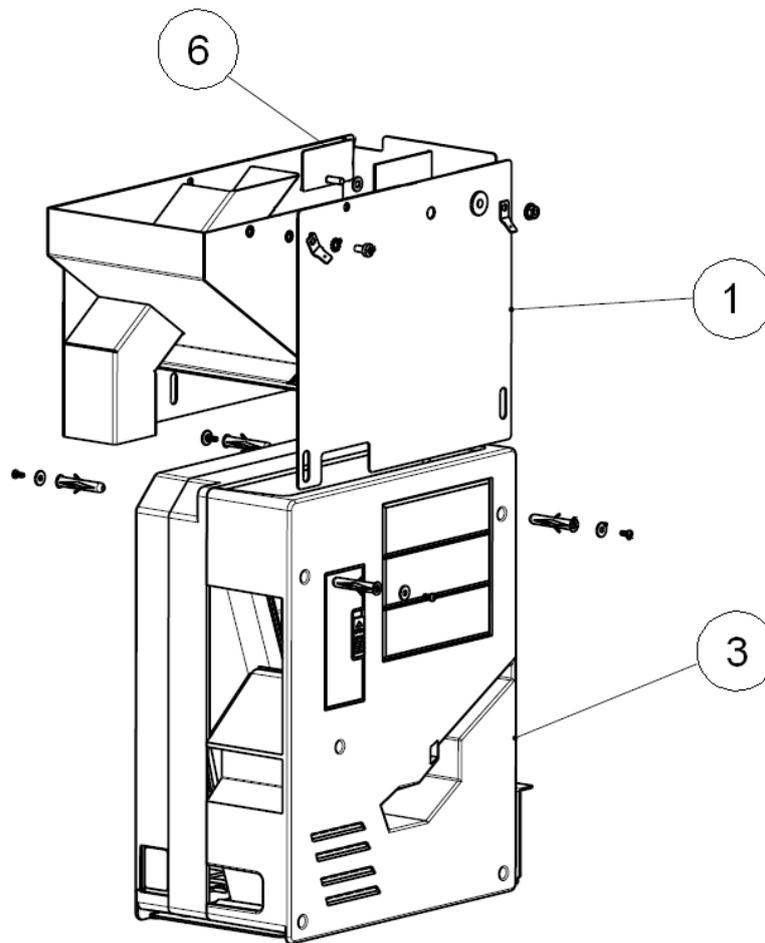


Fig. 84

POSITION	CODE	DESCRIPTION
1	1078-20-0028-A	EVOLUTION HOPPER EXTENSION
3	*****	HOPPER SUZO EVOLUTION STD + SLIDE
6	C20---12447	“OVERFULL” ALARM SENSOR

13.8 Smart Hopper group (Cod. 1078-30-0300-A)

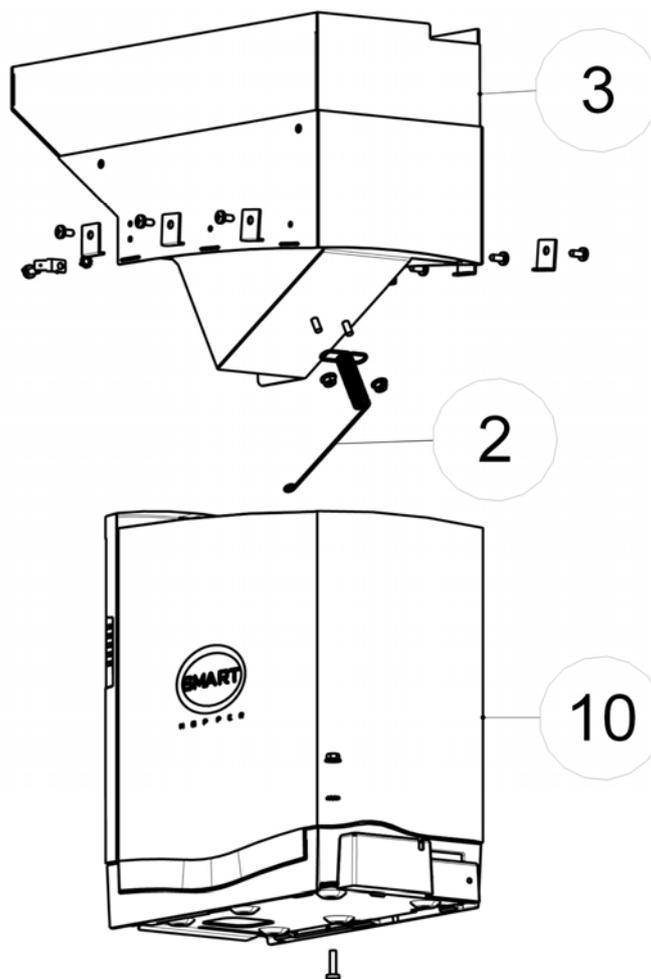


Fig. 85

POSITION	CODE	DESCRIPTION
2	1041-20-0036-A	COINS GROUND SPRING
3	1078-20-0007-A	SMART HOPPER EXTENSION
10	LS/SMARTHOPPER-LS1	SMART HOPPER

13.9 JCM iPRO-RC™ recycler group (Cod. 1078-30-0402-A)

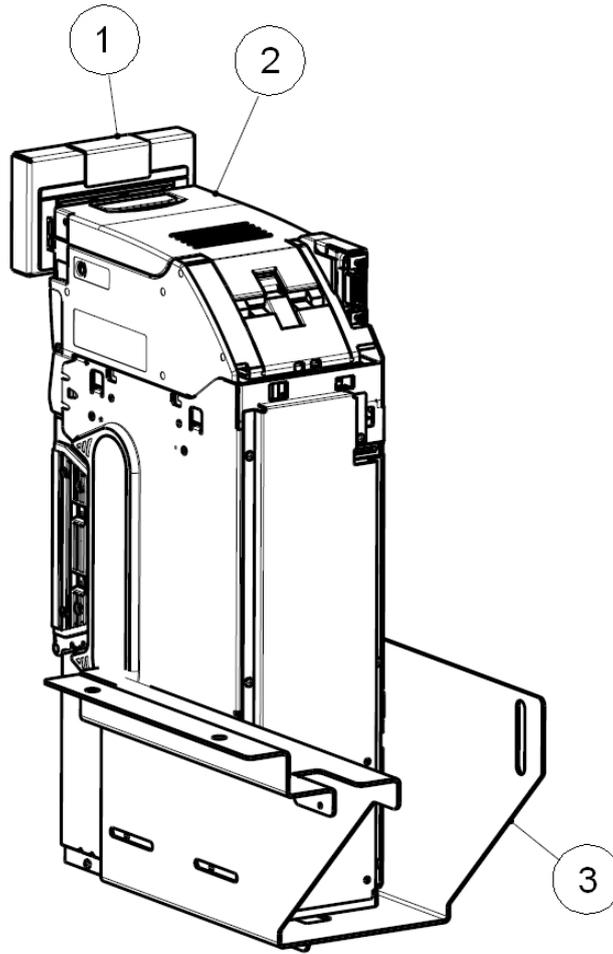


Fig. 86

POSITION	CODE	DESCRIPTION
1	1078-20-0009-A	SMART PAYOUT BEZEL PLATE
2	*****	JCM iPRO-RC™ BANKNOTES RECYCLER
3	1078-20-0022-A	JCM iPRO-RC™ RECYCLER SUPPORT

EN

13.10 Loading coins drawer group (Cod. 1078-30-0600-A)

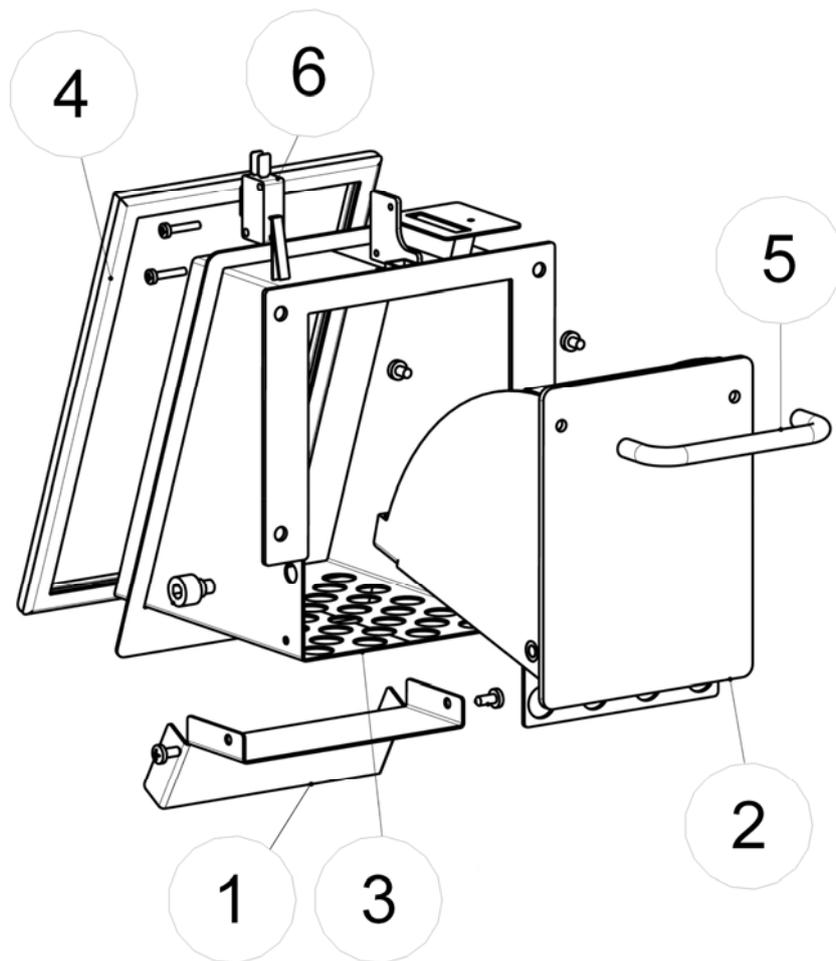


Fig. 87

POSITION	CODE	DESCRIPTION
1	1078-20-0004-A	DISPLAY PROTECTION CARTER
2	1076-20-0031-A	LOADING COINS DRAWER
3	1076-20-0008-A	LOADING COINS DUCT
5	C6-401/2	HANDLE
6	CP31D4FM40V101A	MICRO SWITCH

13.11 CPU boards group (Cod. 1078-30-0700-A)

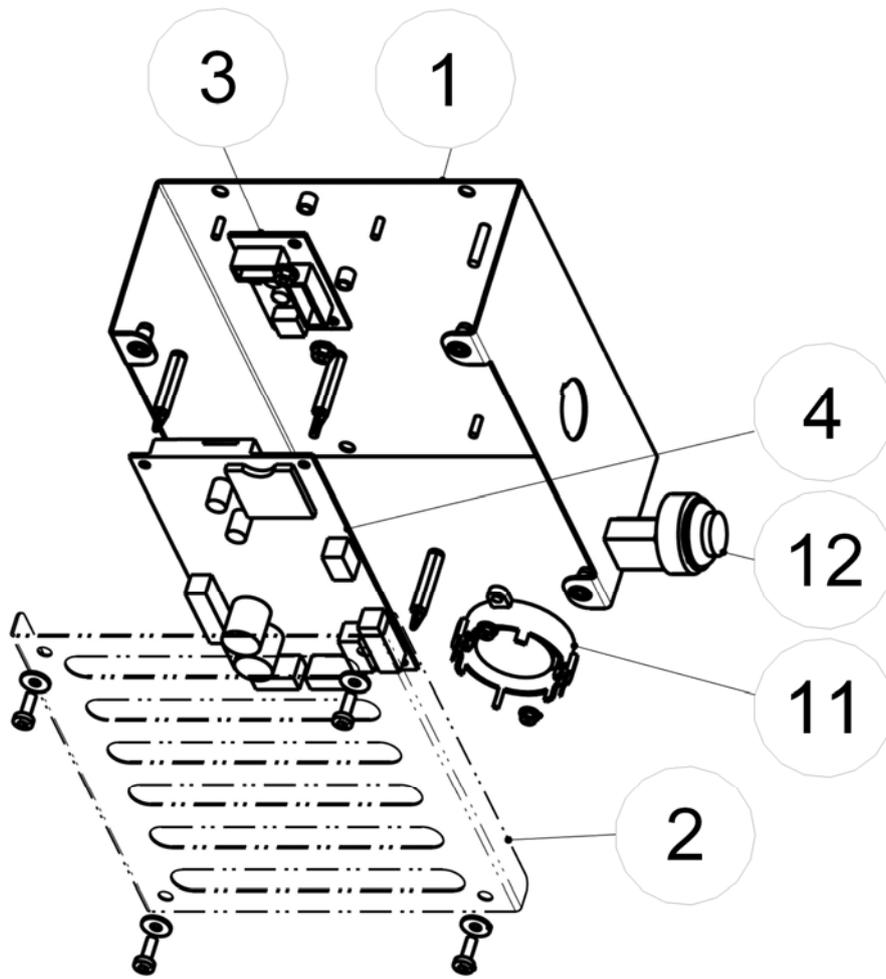


Fig. 88

POSITION	CODE	DESCRIPTION
1	1076-20-0018-A	CPU GROUP SUPPORT
2	1076-20-0019-A	CPU BOARD CARTER
3	20514000000120A	ASSEMBLED BOARD REGV
4	20514000000133A-SW	MCB1 REV5 ASSY3 GSM COLL BOARD FOR SWING
11	CA33KPEG182-LAV	KINGSTATE KPE-182 ALARM
12	P500/A0146/A-V	CHROMED GREEN BUTTON

EN

13.12 Silkscreen and labels

Cod. 1000-27-0007-A



Cod. 3008770000011A
apply on both sides

Silkscreen with icon
Cod. 1078-27-0002-A-6



Fig. 89

13.13 Small parts

CODE	DESCRIPTION
V/S-EXWHC-500	GROMMET RING EXWHC-500
C6DADO04ZB-----	HEXAGONAL NUT M4 - UNI EN 24032 - ZINC-COATED
C6DADO05ZB	HEXAGONAL NUT M5 - UNI EN 24032 - ZINC-COATED
C6DADO06ZB-----	HEXAGONAL NUT M6 - UNI EN 24032 - ZINC-COATED
C6DADO4-DIN985	SELF LOCKING NUT M4 - DIN 985 ZINC-COATED
C6DADO3-BN860	FLANGED NUT M3 -ISO4161
C6DADO4-BN860	FLANGED NUT M4 -ISO4161
C6DADO6-ISO4161	FLANGED NUT M6 -ISO4161
C6DADO4-DIN315	WING NUT M4 DIN 315 – ZINC COATED
C6TBM6X10	CYLINDRICAL HEAD SCREW – HEX SOCKET M6x10 UNI 5931 ZINC-COATED
C6TSE-M6X10	HEXAGONAL SOCKET COUNTERSUNK HEAD CAP SCREWS M6x10 - UNI 5933 ZINC COATED
C6TCC03X10	PAN HEAD SCREWS CROSS RECESS M3x10 - ISO 7045 ZINC COATED
C6TCC04X06	PAN HEAD SCREWS CROSS RECESS M4x6 - ISO 7045 ZINC COATED
C6TCC04X12	PAN HEAD SCREWS CROSS RECESS M4x12 - ISO 7045 ZINC COATED
C6TCC04X16	PAN HEAD SCREWS CROSS RECESS M4x16 - ISO 7045 ZINC COATED
C6TCC03X08-----	PAN HEAD SCREWS CROSS RECESS M3x8 - ISO 7045 ZINC COATED
C6TCC03X16-----	PAN HEAD SCREWS CROSS RECESS M3x16 - ISO 7045 ZINC COATED
C6TCC03X20-----	PAN HEAD SCREWS CROSS RECESS M3x20 - ISO 7045 ZINC COATED
C6TCC04X08-----	PAN HEAD SCREWS CROSS RECESS M4x8 - ISO 7045 ZINC COATED
C6AF-TCC3,9X9,5	CROSS-RECESSED PAN HEAD TAPPING SCREWS TYPE C – Ø3,9x9,5 – EN ISO 7049

CODE	DESCRIPTION
C05VTCA2.5X6C20	POZI PAN HEAD SCREWS TC Ø2,5x6 - BN82428
C6RONDPIANA04-L	PLAIN WASHER WIDE BAND for M4 – UNI 6593 ZINC-COATED
C6RONDPIANA08	FLAT WASHER for M8 – UNI 6592 ZINC COATED

C6RONDPIANA04X16	PLAIN WASHER – LARGE SERIES Ø4x16 - UNI 6593 ZINC COATED
C6RONDPIANA6X18	PLAIN WASHER – LARGE SERIES for M6 – UNI 6593 ZINC COATED
C6RONDENT04----	SERRATED WASHER M4 (DIN 6798)
C6RP-3X9	PLAIN WASHER – LARGE SERIES for M3 – UNI 6593 ZINC COATED
C6RONDENT06----	SERRATED WASHER Ø6 – DIN 6798A ZINC COATED
C6-M6X15-BN3319	SPACER F-F M6x15 BN3319 – STEEL ZINC COATED
C7-SS8-2	SPACER SS8-2 Ø4,4 x Ø6,4 H=6,4
C7-TCBN-T1-M3-6	SPACER FOR BOARD TCBN-T1-M3-6-30
1041-20-0011-A	CASH BOX LED SPACER
30156000000143A	FEMALE RIBBED KNOB M5
CP23-MP608/45	PANEL MALE FASTON 45°
1041-20-0029-A	EXTENSION FIXING ANGULAR SMART-HOPPER
C6TS-FU6X35	NYLON PLUG FU 6x35
C6RONDIA4----NY	WASHER MADE IN NYLON DIAMETER 4

13.14 Wiring group with Evolution Hopper

CODE	DESCRIPTION
1019-40-0009-B	Buzzer cable Rev. B
1058-40-0003-A	Speed controller cable Nexus PRO
1076-40-0001-A	Smart Hopper slide CEP ground cable for Swing
1076-40-0002-A	Smart Hopper slide/extension ground cable
1076-40-0003-B	Battery cable for Rock Rev. B
1078-40-0004-A	Lighting cable + Swing buttons

CODE	DESCRIPTION
1076-40-0006-B	ccTalk cable RM5HD Rock REV.B
1076-40-0007-B	ccTalk cable for upper hopper Rock REV.B
1076-40-0018-A	CEP front door Rock REV. B ground cable
1076-40-0019-A	CEP/Cass. estra. upp. REV B. ground cable
1076-40-0020-A	Lower CEP/cass. estr. ground cable
1076-40-0022-A	Smart Hopper/Payout data/power cable
1078-40-0002-A	Smart Hopper slide/extension ground cable

1078-40-0006-A	Ground cable for Swing upper Hopper
1078-40-0007-A	Swing coin insertion drawer ground cable
1078-40-0008-A	Cable for Swing Next cabled slide
1078-40-0009-A	Data/power cable for Hopper/iPRO Swing Next
C4-22-11599	Gound cable filter cabinet
C4-22-13902B	Display cable Swing-Nexus PRO Rev. B
C4-GLC-300-072B	Cable for "OVERFLOW" alarm

13.15 Wiring group with Smart Hopper

CODE	DESCRIPTION
1019-40-0009-B	Buzzer cable Rev. B
1058-40-0003-A	Speed controller cable Nexus PRO
1076-40-0001-A	Smart Hopper slide CEP ground cable for Swing
1076-40-0002-A	Smart Hopper slide/extension ground cable
1076-40-0003-B	Battery cable for Rock Rev. B
1076-40-0006-B	ccTalk cable RM5HD Rock REV.B
1076-40-0007-B	ccTalk cable for upper hopper Rock REV.B
1076-40-0018-A	CEP front door Rock REV. B ground cable
1076-40-0019-A	CEP/Cass. estra. upp. REV B. ground cable
1076-40-0020-A	Lower CEP/cass. estr. ground cable
1076-40-0022-A	Smart Hopper/Payout data/power cable
1078-40-0004-A	Lighting cable + Swing buttons
1078-40-0006-A	Ground cable for Swing upper Hopper
1078-40-0007-A	Swing coin insertion drawer ground cable

CODE	DESCRIPTION
1078-40-0010-A	Data/power cable for Smart Hopper/iPRO Swing
C4-22-11599	Gound cable filter cabinet
C4-22-13902B	Display cable Swing-Nexus PRO Rev. B

14.2 Putting device out of service and waste disposal

At the end of its life, the product must be put out of service and then sent to a waste disposal facility.

Remove the appliance from its installation site, empty the coins and remove the power cable. Get in touch with SUZOHAPP by calling +39 02 95781111 to pick up machines that are no longer in use.

The appliance must be disposed of as prescribed by the Legislative Decree 25/07/2005 N. 151.



To this end, we recommend reading the following very carefully.

On December 31, 2006 when Legislative Decree 25/07/2005 No.151 entered into force, precise criteria was laid down concerning Waste of Electric and Electronic Equipment (WEEE) aimed at environmental protection.

This appliance is included in the field of application of the legislative decree 151/2005 Annex 1B article 2 comma 1 being:

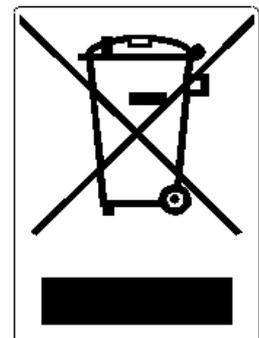
7.6 A coin / token machine

10.2 An automatic cash or vending machine

In syntheses:

- This appliance must not be disposed of as municipal waste but must be collected separately
- The dealers will collect the used appliance free of charge to then send it to specific collection centers for proper disassembly and possible recovery of reusable materials
- Collection centers of waste of electric and electronic equipment (WEEE) have been established. The user may hand over this used appliance to his dealer upon purchase of a new equivalent appliance
- This appliance or parts of it can cause potentially harmful effects for the environment and human health if used improperly and if not disposed of in conformity with the present procedure due to some substances present in electronic components

- The symbol of the crossed-off bin applied in a well-and visible manner on this appliance indicates unmistakably that the appliance was placed on the market after August 13, 2005 and must be collected separately



Penalties foreseen in case of illegal disposal of this waste:

1. The distributor who, as supposed in article 6, comma 1, letter b), inappropriately does not collect, free of charge, the electric or electronic equipment, will be fined from 150 to 400 Euros, for each piece of equipment not collected or collected upon charge
2. The manufacturer who does not organize the separate collection system of professional WEEE referred to in article 6 - comma 3 and the collection and dispatch systems, of processing and recovering of WEEE, referred to in articles 8 - comma 1 and 9 - comma 1, 11 - comma 1 and 12 - commas 1, 2 e 3, and without prejudice, for these last operations, any agreements stipulated in compliance with article 12 - comma 6, will be fined from 30,000 to 100,000 Euros
3. The manufacturer who, after August 13, 2005, when placing electrical or electronic equipment on the market, does not provide an economical warranty referred to in articles 11 - comma 2, or 12 - comma 4, will be fined from 200 to 1,000 euros for each piece of equipment placed on the market
4. The manufacturer who does not apply, in the operating instructions of the EEE, the information referred to in article 13 - comma 1, will be fined from 200 to 5,000 Euros.
5. The manufacturer who, within one year after placing on the market any new type of EEE, does not make the information referred to in article 13 - comma 3 available to reuse centers and processing and recycling facilities, will be fined from 5,000 to 30,000 Euros.
6. The manufacturer who, after August 13, 2005, places on the market EEE without the indication or symbol referred to in article 13, commas 4 and 5, will be fined from 200 to 1,000 Euros for each appliance placed on the market. The same fine will be applied should the aforementioned indication or symbol be incompliant with the requirements stipulated in article 13, commas 4 and 5.
7. The manufacturer who, without being registered at the Chamber of Commerce in compliance with article 14, comma 2, places EEE on the market, will be fined from 30,000 to 100,000 Euros.
8. Any manufacturer who, within the time limit established in article 13 – paragraph 8 does not communicate to the National Registry concerning the disposal of EEE as stated in article 13 – paragraphs 3, 4 and 5 will be subjected to the foreseen sanctions.
9. Without prejudice to the exceptions referred to in article 5 comma 2, whoever after July 1, 2006, places on the market new EEE containing the substances referred to in article 5, comma 1 or further substances identified in compliance with article 18, comma 1, will be fined from 50 to 500 Euros for each appliance placed on the market or from 30,000 to 100,000 Euros.



EN

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