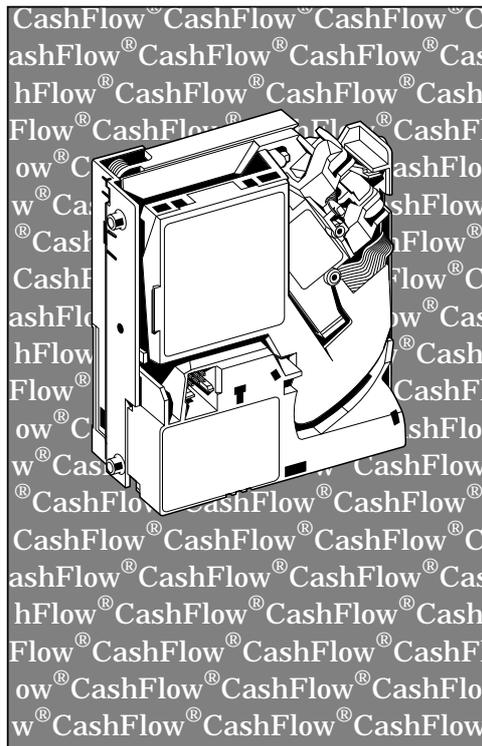




The
CASHFLOW® 330
REFERENCE SERIES
ACCEPTOR
POCKET GUIDE

**ROUTINE MAINTENANCE,
SAFETY, INSTALLATION &
TROUBLESHOOTING**



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CashFlow® 330 acceptor Pocket Guide

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CONTENTS

Routine Maintenance

Troubleshooting the CashFlow® 330

Using the MMI Switches and the
MEI® Route Alpha 250 Terminal

Address Settings for the
MEI® Route Alpha 250 Terminal



Fitting a Unit into a
Mini, Midi or Maxi Front Plate

Fitting a Unit into a Top Entry
Adaptor

Starting and Testing a Unit

Product Manuals and
Product Technical Training

Addresses of Regional Offices





CashFlow® 330 acceptor Pocket Guide





CashFlow® 330 acceptor Pocket Guide

User Safety Notices

WARNING

Before cleaning, servicing, removing or replacing CashFlow® units, **ALWAYS SWITCH OFF** or **ISOLATE** the **ELECTRICITY SUPPLY** to the host machine.

CAUTION

This guide is for use only by personnel trained to carry out electrical installation.

Maximum Operating Voltage

Do not apply more than the voltage specified on the unit.

Dangerous Environments

Do not operate the unit in the presence of flammable gases or fumes, or after the entry of fluid into the machine.

Disposal of Product

If necessary, always dispose of defective units according to local regulations.

Conformance to International Standards

When installed and operated according to the instructions provided for the particular unit, CashFlow® products meet the applicable international and national Safety and Electro Mechanical Compatibility standards for any country in which they are used.



CashFlow® 330 acceptor mounting options

The diagram illustrates seven different mounting configurations for the CashFlow 330 acceptor. It includes exploded views of the acceptor unit being installed into various housings and front plates. Two circular callouts provide detailed views of the 4-inch and 5-inch channel adaptor mouldings.

- Accepter mounted in 4 inch channel adaptor
- Accepter with motorised reject unit, mounted in 4 inch channel adaptor
- 4 inch channel adaptor moulding
- Accepter mounted in 5 inch channel adaptor
- 5 inch channel adaptor moulding
- Accepter mounted in MAXI front plate
- Accepter mounted in MIDI front plate
- Accepter mounted in MINI front plate

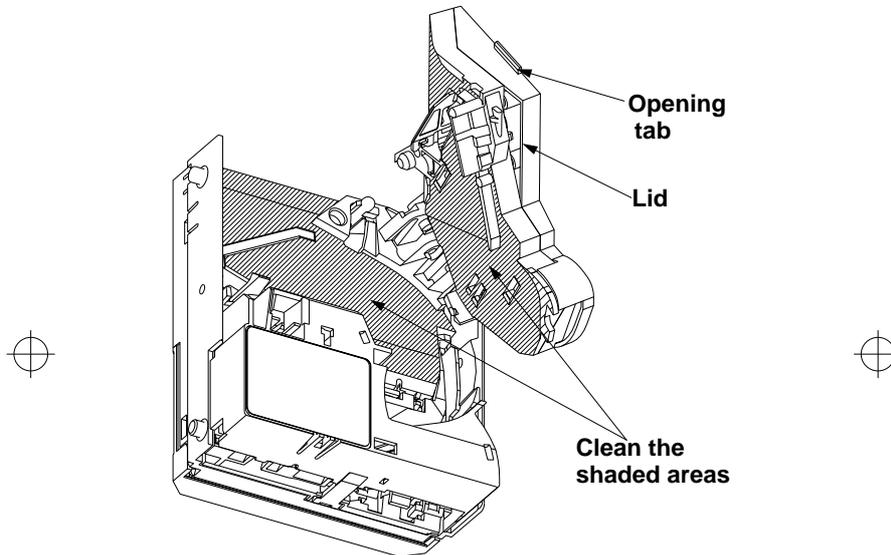
CashFlow® 330 acceptor Pocket Guide

Routine Maintenance

WARNING

Switch off the power to the host machine *before* cleaning the unit

Clean the coin pathway (shown shaded in the figure) regularly with a soft cloth moistened with water. Take care that all the surfaces are dry before you close the lid of the unit, particularly if you have had to clean the unit after the entry of dirt or fluid.



Take care that no drops of water enter the unit during cleaning.

Never use solvents or abrasive creams to clean the unit. These will damage the surfaces. Ensure that the lid is fully closed after cleaning.

NOTE: If you switch the machine on when the lid of the acceptor unit is not fully closed, coins will be rejected, even if you then close the lid.

If this happens, **switch off the power to the machine for at least 15 seconds**, then close the lid again. Make sure the lid snaps shut.

Switch the power on. Check that coins are accepted.

Troubleshooting the CashFlow® 330 acceptor Unit

| Problem | Causes | Actions |
|---|---|---|
| All coins or tokens are rejected | <p>No power to the module</p> <p>Looms damaged or dislodged</p> <p>Build up of dirt in the coin path</p> <p>The acceptor is timing-out when it is switched on after opening the lid, because the lid of the acceptor not closed firmly.</p> | <p>Check the voltage supply. Power up again if necessary.</p> <p>Switch off power to the machine. Check looms are installed correctly, and that all connectors are making good contact.</p> <p>Switch off power to the machine. Clean the unit. Close the lid firmly. Wait fifteen seconds, switch the power on again and retry.</p> <p>Switch off power to the machine. Close the lid firmly. Wait 15 seconds, switch the power on again and retry. Insert samples of coins or tokens to check the coin path is clear.</p> |
| Poor coin acceptance | <p>acceptor modules not positioned correctly</p> <p>Build up of dirt in the coin path</p> <p>Lid of acceptor not closed firmly</p> | <p>Check position and alignment of modules.</p> <p>Switch off power to the machine, clean the acceptor unit and retry.</p> <p>Switch off power to the machine. Close the lid firmly. Wait 15 seconds and switch on again.</p> |

| Problem | Causes | Actions |
|--|---|---|
| Individual coins or tokens are rejected | Coin/s or token/s inhibited | Check that the individual coins or tokens are not inhibited . If necessary, use the MMI switches or the Route Alpha 250 terminal to enable the coin(s) or token(s). |
| Coins are accepted but no credit is given | Looms not fitted correctly | Switch off power to the machine and check the installation of the looms. |
| Coins follow an incorrect path | Parts not fitted correctly Coin jam inside the acceptor unit Host machine and coin entry/exit plates are not compatible | Check that the accept gate and exit plates are fitted correctly. Press the reject button on the front of the machine to open the front of the acceptor unit, and remove any blockage. Close the lid of the acceptor firmly. Check the components with your MEI representative. |
| Coins are not passing through the machine | Coin jam inside the acceptor unit | Press the reject button on the front of the machine to open the front of the acceptor unit. Remove any blockage. Close the lid of the acceptor firmly. |

CashFlow® 330 acceptor Pocket Guide

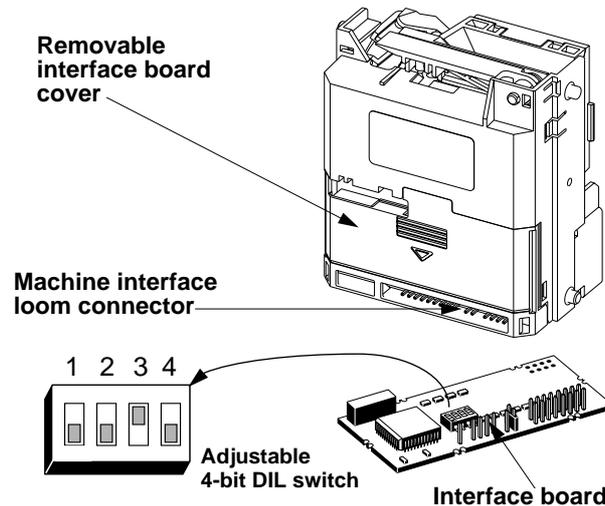
Setting a Unit's Functions with the MMI Switches

Switch off the power to the host machine *before* removing a unit

Use the Man-Machine Interface (MMI) switches to set the unit to accept or reject individual coins or tokens.

Setting the MMI Switches

The MMI switches are on a board located behind a cover in the back of the acceptor.



The acceptor can be set to *enable* or *inhibit* any coin or token from its coin set.

NOTE: If more than one channel is used for the same coin (for example, the coin has both wide and narrow channels), you must always use the MEI® Route Alpha 250 terminal to enable or inhibit each of the coin's channels.

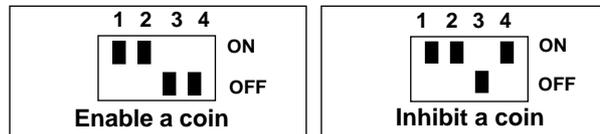
CashFlow® 330 acceptor Pocket Guide

Enabling or Inhibiting a Coin or a Token

1. **Switch off power** and disconnect the looms.
2. Remove the acceptor from its mounting, following the instructions in this guide.

Handle a unit with care when it is out of the machine.

3. Remove the interface board cover by pressing it downward, then reconnect the looms.
4. **Switch on power to the acceptor.**
5. Set the switches as shown either to *enable* or *inhibit* the coin or token, and press the reject lever.



*If the switches are already in the positions you want, change one switch, **turn the power off and then on**, return that switch to its original position and press the reject lever.*

6. Insert the coin(s) or token(s) you want to enable or inhibit until it is accepted, then press the reject lever again.

Check your settings by inserting coins or tokens.

7. **Switch off the power**, disconnect the looms and replace the board cover.
8. Replace the unit in the machine. Reconnect the looms. **Switch on the power to the machine.**

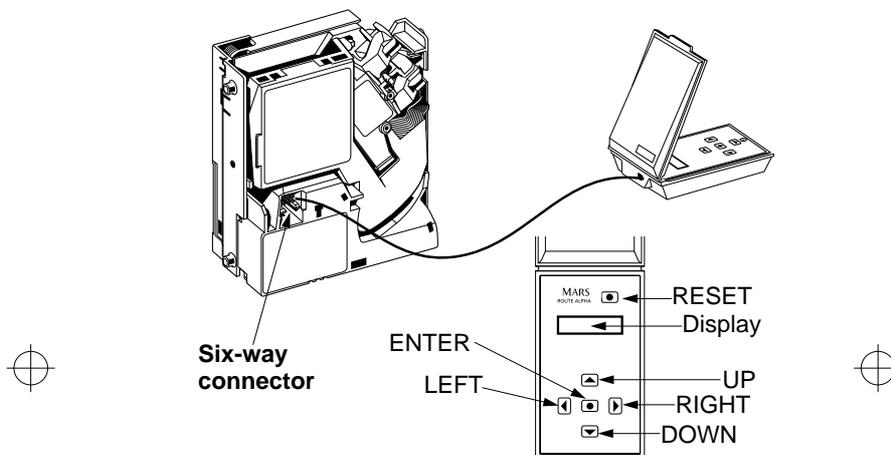
CashFlow® 330 acceptor Pocket Guide

Setting a Unit's Functions with a MEI® Route Alpha 250 Terminal

Each piece of data which determines the unit's functions is stored in a separate address. Use the terminal to read an address and to check or set the unit's functions.

Setting Functions

Insert the plug on the **Route Alpha 250** terminal into the six-way connector in the acceptor unit.



Switch on power to the acceptor, as the **Route Alpha 250** terminal takes its power through the unit. A half-size zero is displayed when the terminal powers up, followed by the software version number and then the first address number with a **dot**, or a **dot and dash (1. or 1.-)**

Functions can be changed only if a dash shows after the address number.

Press UP or DOWN slowly to display addresses one after the other. Hold down a key to display addresses at an increasing speed. Press a key twice quickly to jump large blocks of addresses.

To set a function, display its address and press ENTER to show its current value. Change the value by pressing UP or DOWN.

Press ENTER again to display the address, then press RESET to store the new value.

NOTE: If an error occurs, four half-size zeros appear. Press RESET to clear this display and to return to the current address.

CashFlow® 330 acceptor Pocket Guide

Troubleshooting the MEI® Route Alpha 250 Terminal

| Problem | Causes | Actions |
|---|---|--|
| Terminal displays an error message at power-up | Communications error | Press RESET . |
| Terminal displays an error message when changing between address mode and data mode | Communications error between terminal and product, or the terminal does not recognise the product it has been connected to | Repeat the last operation. |
| Terminal powers up but addresses cannot be accessed | The product is not compatible with the terminal | Different terminal is needed, or different software needed. |
| Terminal does not power up | Bad connections or faulty cable No power to the unit (<i>the Route Alpha 250 terminal is powered through the acceptor</i>) | Check connections. Replace lead if necessary. Power up the unit. |
| Terminal powers up but one of the keys does not work | Faulty key | Use the terminal's self-test option. If the key is faulty, send terminal for repair. |
| Non-standard characters are printed on the display | Faulty Route Alpha 250 terminal | Send terminal for repair to authorised MEI distributor. |

Address Settings for Use with the MEI® Route Alpha 250 Terminal

| Address | Parameter | Range | Meaning | Notes |
|---------|------------------------------|-------|-------------------------------------|-------|
| 1 | Coin 1 inhibited or allowed | 0 - 1 | 0 = coin allowed 1 = coin inhibited | |
| 2 | Coin 2 inhibited or allowed | 0 - 1 | 0 = coin allowed 1 = coin inhibited | |
| 3 | Coin 3 inhibited or allowed | 0 - 1 | 0 = coin allowed 1 = coin inhibited | |
| 4 | Coin 4 inhibited or allowed | 0 - 1 | 0 = coin allowed 1 = coin inhibited | |
| 5 | Coin 5 inhibited or allowed | 0 - 1 | 0 = coin allowed 1 = coin inhibited | |
| 6 | Coin 6 inhibited or allowed | 0 - 1 | 0 = coin allowed 1 = coin inhibited | |
| 7 | Coin 7 inhibited or allowed | 0 - 1 | 0 = coin allowed 1 = coin inhibited | |
| 8 | Coin 8 inhibited or allowed | 0 - 1 | 0 = coin allowed 1 = coin inhibited | |
| 9 | Coin 9 inhibited or allowed | 0 - 1 | 0 = coin allowed 1 = coin inhibited | |
| 10 | Coin 10 inhibited or allowed | 0 - 1 | 0 = coin allowed 1 = coin inhibited | |

10

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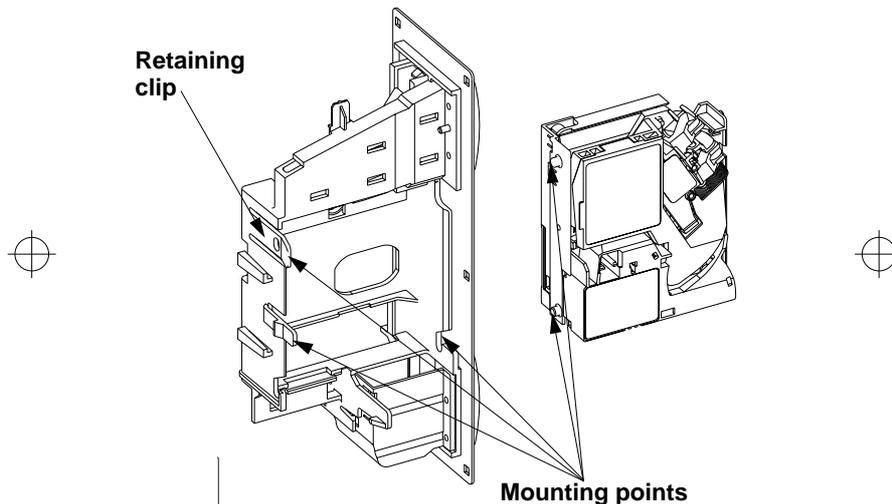
| Address | Parameter | Range | Meaning | Notes |
|---------|--|-----------|---|-------|
| 11 | Coin 11 inhibited or allowed | 0 - 1 | 0 = coin allowed 1 = coin inhibited | |
| 12 | Coin 12 inhibited or allowed | 0 - 1 | 0 = coin allowed 1 = coin inhibited | |
| 13 | Coin 13 inhibited or allowed (Serial acceptor only) | 0 - 1 | 0 = coin allowed 1 = coin inhibited | |
| 14 | Coin 14 inhibited or allowed (Serial acceptor only) | 0 - 1 | 0 = coin allowed 1 = coin inhibited | |
| 21 | Coin type 1 | 0 - 1 - 2 | 0 = coin 1 = value token 2 = vend token | |
| 22 | Coin type 2 | 0 - 1 - 2 | 0 = coin 1 = value token 2 = vend token | |
| 23 | Coin type 3 | 0 - 1 - 2 | 0 = coin 1 = value token 2 = vend token | |
| 24 | Coin type 4 | 0 - 1 - 2 | 0 = coin 1 = value token 2 = vend token | |
| 25 | Coin type 5 | 0 - 1 - 2 | 0 = coin 1 = value token 2 = vend token | |
| 26 | Coin type 6 | 0 - 1 - 2 | 0 = coin 1 = value token 2 = vend token | |

| Address | Parameter | Range | Meaning | | | Notes |
|---------|--|-----------|----------|-----------------|----------------|-------|
| 27 | Coin type 7 | 0 - 1 - 2 | 0 = coin | 1 = value token | 2 = vend token | |
| 28 | Coin type 8 | 0 - 1 - 2 | 0 = coin | 1 = value token | 2 = vend token | |
| 29 | Coin type 9 | 0 - 1 - 2 | 0 = coin | 1 = value token | 2 = vend token | |
| 30 | Coin type 10 | 0 - 1 - 2 | 0 = coin | 1 = value token | 2 = vend token | |
| 31 | Coin type 11 | 0 - 1 - 2 | 0 = coin | 1 = value token | 2 = vend token | |
| 32 | Coin type 12 | 0 - 1 - 2 | 0 = coin | 1 = value token | 2 = vend token | |
| 33 | Coin type 13 (Serial acceptor only) | 0 - 1 - 2 | 0 = coin | 1 = value token | 2 = vend token | |
| 34 | Coin type 14 (Serial acceptor only) | 0 - 1 - 2 | 0 = coin | 1 = value token | 2 = vend token | |

Fitting a Unit into a Maxi Front Plate

Switch off the power to the host machine *before* fitting a unit

1. Ensure that the Maxi front plate has a suitable and secure mounting position on the machine.
2. Engage the mounting points at the base of the acceptor unit with the mountings on the face of the front plate.
3. Slide the unit into the retaining clip in the upper part of the front plate moulding.
4. Connect the interface loom.



5. **Switch on power to the machine** and carry out the start up procedure described in the *Starting and Testing* section of this guide.

Removing a Unit from a Maxi Front Plate

1. **First switch off power to the host machine.** Removal is then the reverse of the assembly steps.
2. Disconnect the interface loom from the acceptor.
3. Release the retaining clip at the upper left hand side of the front plate.
4. Tilt the acceptor forward and lift it out of the plate.

Fitting a Unit into a Mini or a Midi Front Plate

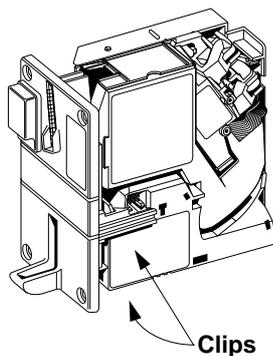
Switch off the power to the host machine *before* fitting a unit

1. Before you fit a unit into a Mini or Midi front plate, ensure that the plate has a secure mounting position on the host machine.
2. Connect the interface loom to the acceptor.
3. Hold the acceptor so that it is *squarely aligned* with the rear of the front plate, then press it gently but firmly into the clips on the plate.

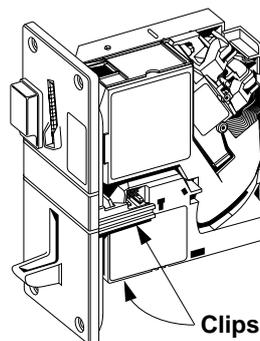
NOTE: Square alignment is essential for easy fitting. Never force the unit into place. Make sure that the clip under the unit and the clips on either side of the unit are all engaged.

4. **Switch on the power**, and start up the unit as described in the *Starting and Testing* section.

Acceptor mounted in a MINI front plate



Acceptor mounted in a MIDI front plate



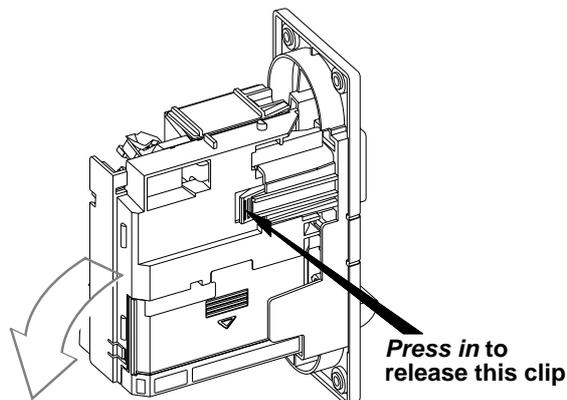
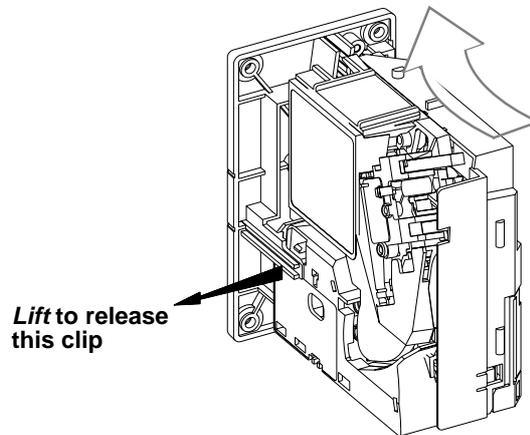
Clips are positioned on either side of and beneath a Mini and Midi front plate

CashFlow® 330 acceptor Pocket Guide

Removing a Unit from a Mini or a Midi Front Plate

Switch off the power to the host machine *before* removing a unit

1. Disconnect the machine interface loom from the acceptor.
2. Release the retaining clip located *under* the acceptor, then tilt the unit upwards. Next, release the clip on the left side of the unit.

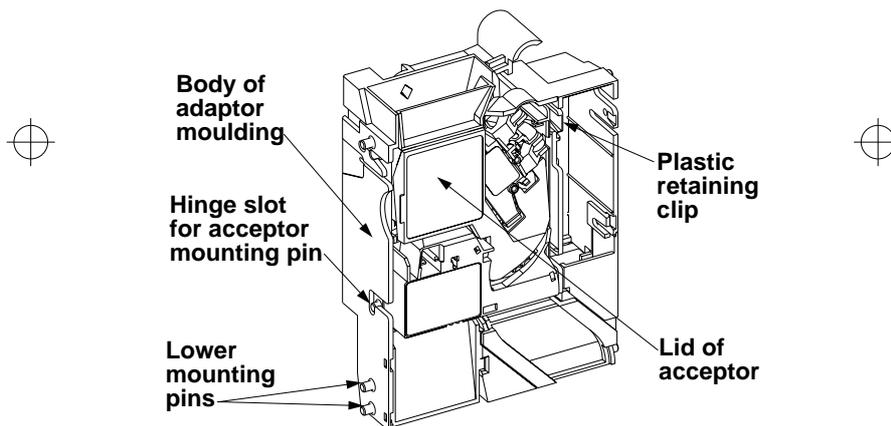


3. Release the clip on the right side of the unit, tilt the unit outwards and downwards from the front plate, then lift it free.

Removing an Acceptor from a Top Entry Adaptor

Switch off the power to the host machine *before* removing a unit

1. Pull back the metal retaining clip at the top of the channel, and lift the adaptor and acceptor assembly out of the channel.
2. Disconnect the machine interface loom from the back of the acceptor.
3. Release the plastic retaining clip located *inside* the wall of the acceptor, pressing it carefully to the right.
4. Tilt the acceptor forward to free it from the retaining clip, then remove it from the adaptor.



Replacing a Unit into a Top Entry Adaptor

1. Rest the mounting pins of the acceptor unit in the slots on either side of the adaptor moulding. Press the acceptor into the adaptor moulding until the retaining clip snaps shut.
2. Reconnect the interface loom to the acceptor.
3. Rest the lower mounting pins in the hinge slots of the channel. Press the adaptor assembly into the channel until the retaining clip snaps shut.

CashFlow® 330 acceptor Pocket Guide

Fitting the Unit into a Top Entry Channel Adaptor Mounting

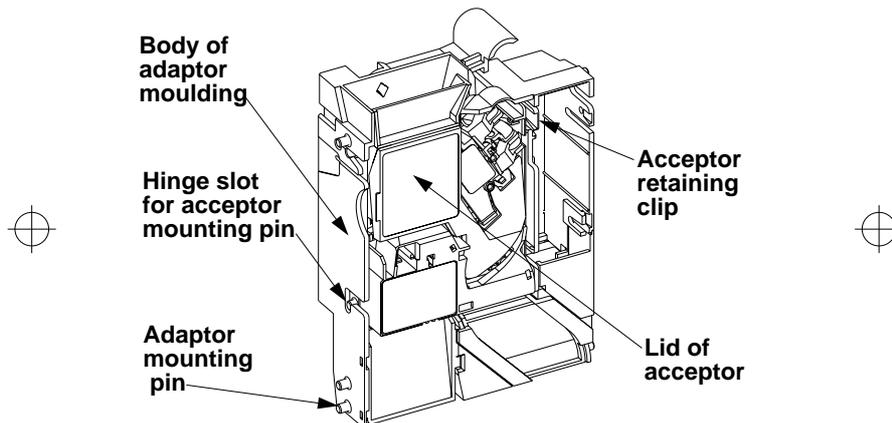
Switch off the power to the host machine *before* fitting a unit

1. Rest the mounting pins on the acceptor unit in the slots on either side of the adaptor moulding.

Press the acceptor into the adaptor moulding until the retaining clips snap shut.

2. Reconnect the interface loom (and where fitted) the display loom to the acceptor.

3. Rest the hinge pins in the hinge slots of the channel. Press the adaptor assembly into the channel until the retaining clip snaps shut.



Removing a Unit from a Top Entry Channel Adaptor

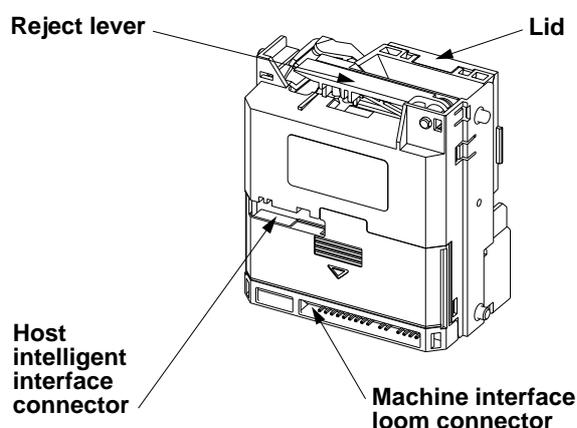
Switch off the power to the host machine *before* removing a unit

1. Pull back the metal retaining clip at the top of the channel, and lift the adaptor and acceptor assembly out of the channel.
2. Disconnect the power supply loom (and the display loom, if fitted) from the back of the acceptor.
3. Release the plastic retaining clip located *inside* the wall of the acceptor, pressing it carefully to the right.
4. Tilt the acceptor forward to free it from the retaining clip, then remove it from the adaptor

CashFlow® 330 acceptor Pocket Guide

Testing and Starting a Unit After It is Installed

1. Check that the machine interface loom is inserted correctly in the back of the acceptor.
2. Check that the lid of the acceptor opens and closes fully when you press the reject button on the host machine.



3. Check that the mains power supply is connected correctly to the host machine.
4. Check that the power supply to the acceptor is at the correct voltage.
5. **Switch on power to the host machine.** Insert at least one of every coin or token from the acceptor's coin set. Check that all the coins or tokens are accepted and routed correctly.
6. Check that the vend prices are correct. Insert coins and make a trial vend for each price. **Use the MMI switches to adjust the prices if necessary.**
7. Check that all the looms are free from kinks and obstructions, and close the door of the machine.

The unit is now ready for use



CashFlow® 330 acceptor Pocket Guide

MEI Product Manuals

Full technical details of this product are included in the **CashFlow® 330 acceptor Product Maintenance Handbook**, a copy of which is available, with other handbooks related to the product, from your MEI Approved Distributor, or your regional **MEI** sales office.

MEI Product Training

Product training courses are available for **CashFlow®** and other MEI products.

The courses cover the technical features and the maintenance of the product, and give you hands-on experience in servicing **CashFlow®** products quickly and efficiently.

Contact your regional MEI Sales Office for more information.





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