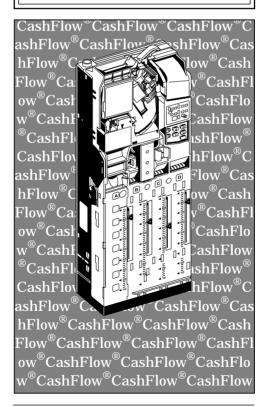
The

CASHFLOW, 540
ECONOMY SERIES
CHANGEGIVER
POCKET GUIDE

ROUTINE MAINTENANCE, SAFETY, INSTALLATION & TROUBLESHOOTING



CashFlow® 540 changegiver Pocket Guide

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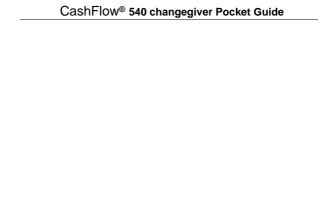
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User Safety Notices

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

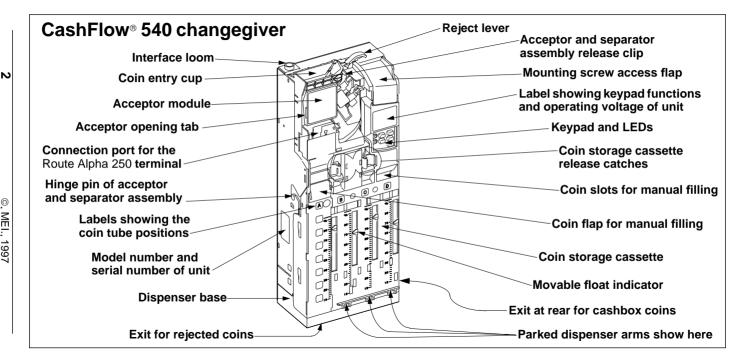
Do not operate the unit in the presence of flammable gases or fumes, or after the entry of fluid into the machine.

Disposal of Product

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

Conformance to International Standards

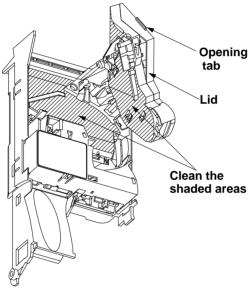
When installed and operated according to the instructions provided for the particular unit, CashFlow® products meet the applicable international and national Safety and Electro Mechanical Conformance standards for any country in which they are used.



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.

Cleaning the Dispenser Arms

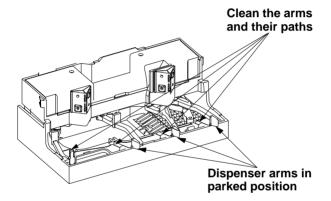
Switch off the power to the host machine *before* cleaning the unit

Squeeze together the two release catches of the coin storage cassette and lift out the cassette.

Clean the dispenser arms and their paths in the dispenser base with a soft cloth moistened with water.

Switch on power to the machine, press the yellow Mode button twice to park the dispenser arms, and replace the coin cassette.

Check that the two release catches snap shut.



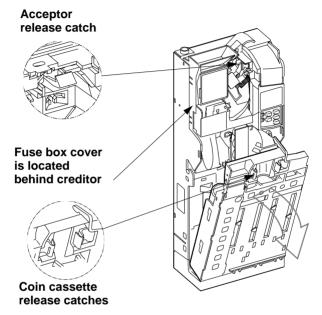
You should only **remove** the dispenser and the dispenser arms for cleaning if there is a heavy build up of dirt or other matter in the dispenser.

Always refer to the **Product Maintenance Handbook** before removing these parts.

Checking and Replacing a Fuse

Switch off the power to the host machine before checking a fuse

Squeeze together the two release catches of the coin storage cassette and lift out the cassette.



Press down the blue release catch above the creditor with a small screwdriver. Pull the top of the creditor forward and downwards. Unplug the exposed ribbon cable and lift out the creditor.

The fuses are under a cover in the left hand side of the unit.

Always replace a blown fuse with one of the same rating.

Replace the creditor, reconnect the ribbon cable and press the creditor into place.

Park the dispenser arms and replace the coin cassette.

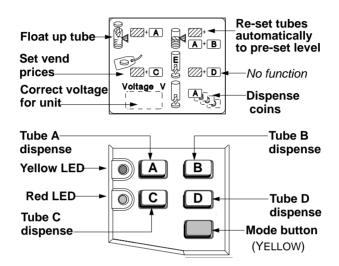
Make sure that the release catches of the creditor and of the cassette snap shut firmly.

Switch on power to the machine. Check that the red LED comes on.

Using the Keypad

Use the keypad to park the dispenser arms, dispense coins, set prices, float the coin tubes up or down, and to re-set the tube counts to their pre-set levels.

The keypad label summarises keypad functions.



Function	Buttons
Dispense coins from tubes 🛦	A,B,CorD A
Park the dispenser arms	+
Float up tubes automatically	- + A
Float down tube automatically	+ A + C
Reset tubes to pre-set levels★	- + A + B ★
Set the vend prices ◆	- + C •
Cancel the accumulated credit	+ A + A

- ▲ Not applicable with BDV product.
- ★If an audit FEM is fitted, Mode+A+B is not available to reset tubes to pre-set levels.
- ◆ Not applicable with MDB product.

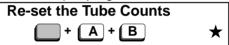
Using the Keypad

Dispense Coins / Empty Tubes A B C or D

Press a button once to dispense a coin from a corresponding tube. If you press and hold for more than three seconds, coins are dispensed automatically until only a sufficient minimum (the safe count) are left to operate the dispense mechanism. To empty a tube or a cassette, you may have to take out the last coins by hand.

Float-Up Tube Counts Automatically + A

Press the buttons, then feed tube coins through the acceptor to refill the tubes to their pre-set float level. When float levels are reached, further coins are rejected. If automatic float is left by pressing **B**, tube counts re-set to pre-programmed float levels.



Press the buttons to force tube counts to re-set to pre-set float levels. If there are not enough tube coins to meet the pre-set levels, coin counts remain incorrect until recalibration takes place.

If an audit FEM is fitted, reset via Mode+A+B is not available.

Automatic Float Down to Pre-set Levels + A + C

If the unit is programmed for this function, press the buttons to dispense coins until tube counts reach their pre-set float levels. If the numbers of coins already in the tubes are equal to or below the float levels, no coins are dispensed.



Press the buttons. Insert coins equal to the lowest price. Make a selection. A 45-second time-out starts after each coin. More selections at the same price can be made without inserting extra coins.

Add coins for the next highest price, and make a selection. Continue until all prices are set. Press **C** to cancel credit and to exit price teach.

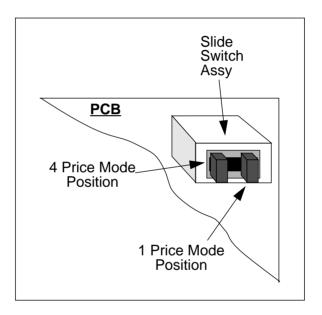
◆ Not applicable with MDB product.

4 PRICE/1 PRICE MODE SWITCH

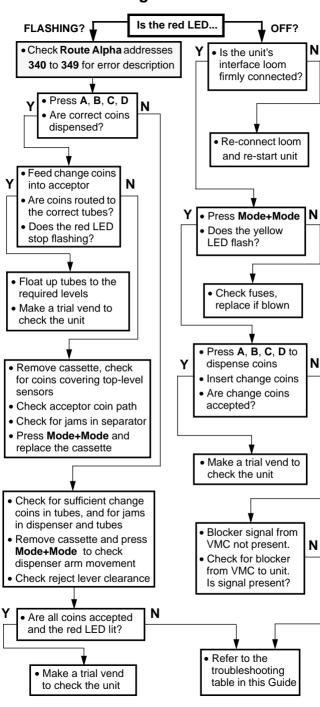
(Multi-Interface Product only)

The multi-Interface product offers a mode switch which, in electro-mechanical operation, allows a 4 price product fitted with a T4 loom to be used in place of a 1 price product fitted with a T3 loom.

The mode switch is located behind the top flap of the keypad cover and is of the slide type. If the switch is to the left the product will be in 4 price mode and if it is to the right the product will be in the 1 price mode.



Troubleshooting the CashFlow® Unit



Troubleshooting the CashFlow® Unit

Problem	Causes	Actions	
No coins accepted	Blocked accept gate opto's, or build up of dirt in the unit	Switch off power to machine, check if the opto's are blocked, and clean the unit. Refer to the <i>Product Maintenance</i> Handbook's cleaning section before cleaning the opto's.	
	Power loom not inserted correctly	Switch off power to the machine, and check the loom.	
Poor coin acceptance	Changegiver unit is not level	Check and re-level the unit if necessary.	
	Modules are not mounted and aligned correctly	Check that the coin entry and exit chutes of the machine are aligned with the coin entry cup on the unit and the cashbox on the machine.	
		Adjust the modules until they are aligned accurately.	
	Build-up of dirt in the acceptor	Switch off power to machine, check and clean acceptor.	
Coins are accepted but no	Power loom is not inserted correctly	Switch off power to the machine, and check the loom.	
credit is given	Coin jam in the separator module (post gate strobes are covered)	Switch off power to the machine , and check the separator for jams.	
	Accept gate strobes mechanism blocked or dirty	Refer to the Product Maintenance Handbook before attempting to clean the strobes or the opto's.	

Problem Causes		Actions	
Unit rejects one type of coin or token	Coin or token is inhibited	Check the coin/token is in the coin set, and has been enabled. Use the Route Alpha 250 terminal to enable the coin	
		Discard the worn or damaged coin/token.	
<u>N.B.</u>	Coin or token is damaged or worn	Press A to leave <i>float mode</i> and to clear any credit.	
With MDB applications the coin mechanism is controlled by the vending machine controller.	A tube has reached pre-set float level, further coins are rejected because the unit is in float mode	Check the tube levels, then make a vend to check that the correct change is dispensed.	
Coins are not routing correctly	The level of coins in a tube is covering a top-level sensor	Check tube counts. If they are above the pre-set float levels and automatic tube inventory is set, press Mode+A+C to float-down the coins in the tubes.	
	The top-level sensor loom or the separator loom is not connected correctly	Switch off the power, remove the cassette and release the acceptor. Check that the top-level sensor and separator looms are fitted correctly. Replace the acceptor and cassette. Switch on power to the unit, insert coins and check routing.	
	Wrong acceptor or separator is fitted	Check that the acceptor and separator are the correct versions. Refer to your authorised MEI distributor.	
A tube is disabled		Use the Route Alpha 250 terminal to enable the tube.	

Problem	Causes	Actions
High-value coins are rejected and exact change light is ON	Too few coins in the change tubes, leaving the low-level sensors uncovered	Re-float the coin tubes through the acceptor until the low-level sensor mirrors are covered.
iight is ON	Unit is in <i>No overpay</i> mode. N.B. Does not apply to MDB applications	Check Route Alpha 250 address 242.
Incorrect change is dispensed	Insufficient change coins are available	If required, float up through acceptor with correct change coins.
·	Incorrect coin values are set. Incorrect prices are set for required selections. N.B. Price control is held in the vending machine in MDB applications, and are normally held in the vending machine in Executive and BDV applications.	Check coin values and prices, reset if necessary using the Route Alpha 250 terminal. Press A, B, C and D to check if change coins are dispensed.
		Check that coins are being routed to the tubes correctly.

Problem	Causes	Actions
No coins are dispensed	Levels of coins in the tubes are below the safe count	Check that change coins are available in the tubes. If necessary, float up the tubes with the correct change coins.
	Dispenser loom not connected, or loose Switch off power to the machine and check the dispenser loom is fitted correctly. Refer to the P Maintenance Handbook. Faulty dispenser module Check that the dispenser module is operating comaintenance Handbook's module replacement before you attempt to service or to replace the dispenser with the dispenser module is operating comaintenance Handbook's module replacement before you attempt to service or to replace the dispenser with the dispenser module is operating to the machine and check the dispenser loom is fitted correctly. Refer to the P Maintenance Handbook.	
Red LED is ON, except when a vend is made	Normal operation	No action
Red LED is ON but coins	Coin jam in the changer mechanism	Check for jams in the acceptor and in the tubes. Clear the jams.
are not accepted		Press Mode+Mode to park the dispenser arms before replacing the cassette, then dispense a coin from each tube to check operation.
	Lid of the acceptor is open	Switch off the power to the machine. Open and close the lid of the acceptor, wait at least 15 seconds, then switch on again.
	Not enough reject lever clearance	Check clearance is between 2 - 3mm, and adjust if necessary.

Problem	Causes	Actions
Red LED is FLASHING	Fault with the changegiver unit	Check Route Alpha 250 addresses 340 - 349. Press A, B, C & D to check if coins are dispensed. If the red LED is still flashing, switch off the power to the machine, wait at least 15 seconds and switch on again. Check that coins are dispensed.
	A coin has covered the top-level sensor mirrors	Remove the coin cassette and check the tops of the coin tubes.
	A coin is jammed in the dispenser module	Switch off the power to the machine , remove the cassette and check the dispenser for jams.
		Clear any blockages and check for damaged coins.
	Fault with the audit module	Check the Route Alpha 250 audit addresses.
		Return the unit to your MEI distributor for repair if necessary.
	Coin cassette is unclipped	Press coin cassette into place firmly , ensure clips snap shut.

Problem	Causes	Actions	
Red LED stays OFF and all	No stock available for vending	Restock machine if necessary.	
coins are rejected	No blocker signal from the machine No polling by VNC - MDB only	Check for a full waste bucket. Check if machine is paused halfway through a vend cycle. Complete the cycle if necessary.	
	Faulty transformer	Check the transformer. If faulty, refer to your MEI distributor.	
Red LED permanently	Faulty LED or keypad module	Check the keypad module.	
OFF. No other problems.		If it is faulty, refer to your authorised MEI distributor.	
Red LED is <i>flashing</i> and no coins are accepted	Check Route Alpha addresses 340 to 349 for a description of the error	Use the table of Route Alpha 250 error addresses in this manual	
	The lid of the acceptor is not closed firmly	Switch off power to the machine and open and close the lid of the unit. Make sure the lid snaps shut firmly. Wait at least 15 seconds and switch the power on again.	
	The acceptor loom is not connected	Check the acceptor loom and reconnect it if necessary.	
	The coin path in the acceptor is dirty	Switch off power to the machine and clean the acceptor.	
Yellow LED is OFF	Normal operation	No action	

Problem	Causes	Actions No action	
Yellow LED <i>flashes</i> when coins are accepted	Normal operation		
Yellow LED remains OFF when Mode button is	No power supply to the vending machine	Switch off power to the machine, check all looms and check all fuses. Replace blown fuses, following the instructions in this manual.	
Yellow LED is flashing	The changegiver is in <i>shifted mode</i> because the Mode button has been pressed	e changegiver is in <i>shifted mode</i> cause the Mode button has been The keypad is available to change the functions of the unit. (To exit from shifted mode, press Mode or wait for 45 seconds.)	
Yellow LED is OFF permanently. No other problems.	Faulty LED or faulty keypad module	Check the keypad module. If faulty, refer to your MEI distributor.	
Problems in handling coins persist after all solutions have been tried Faulty unit, or faulty modules		Contact your MEI distributor. To help diagnosis, note the symptoms, and the model and serial number of the unit for reference. These numbers are on a label on the side of the unit.	

Troubleshooting the Unit with the MEI® Route Alpha Terminal

Address Parameter Range		Parameter Range Meaning and Actions		Notes	
340	Full tube sensor errors on tube position A, B, C or D	0 - 255	Range value = the sum of the codes, where: 1 / 2 / 4 / 8 = tube A / B / C / D 128 = post gate strobe error. Values are additive - for example, a value of 6 means faults on tubes B & C. Switch off power to the machine. Check the tops of the tubes for coins covering the sensors. Check and clear any jams in the acceptor. Close the lid of the acceptor firmly, power up and insert a coin to test the unit.	READ ONLY	
341	Disabled tube at position A, B, C or D	0 - 31	Range value = the sum of the codes, where: 1 / 2 / 4 / 8 = tube A / B / C / D If necessary, use the Route Alpha 250 terminal to enable the tube.	READ ONLY	

Address	Parameter	Range	Meaning and Actions	Notes
342	CAUTION Switch off the power to the changegiver for at least 2 minutes before inserting or removing	0 - 15	Range value = the sum of the codes, where: 1 = page 0 EEPROM error Fatal error. Contact your MEI distributor. 2 = page 1 EEPROM error Fatal error. Contact your MEI distributor. 4 = audit FEM corrupt	READ ONLY
	the audit FEM. Failure to do this can cause corruption of the FEM and loss of audit data.		Fatal error. Contact your MEI distributor. 8 = audit FEM removed Switch off power to the machine. Check that audit FEM is inserted firmly in the board. Contact your MEI distributor if the error persists.	

Address	Parameter	Range	Meaning and Actions	Notes
343	EEPROM errors - ii	0 - 15	Range value = the sum of the codes, where:	READ ONLY
			1 = incorrect configuration version Contact your MEI distributor.	
			2 = audit FEM not initialised	
			Initialise FEM, if fitted. Refer to the Product Maintenance Handbook before attempting to initialise the FEM.	
			Contact your MEI distributor if the error persists.	
			4 = not used	
			8 = internal EEPROM write error Contact your MEI distributor.	

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Address	Parameter	Range	Meaning and Actions	Notes
344	Operational errors - i	0 - 15	Range value = the sum of the codes, where:	READ ONLY
			1 = not used	
			2 = acceptor initialisation error	
			Switch off power to the machine. Open the lid of the acceptor then close it again firmly. Wait for 15 seconds, then power up the unit.	
			Contact your MEI distributor if the error persists	
			4 = HI ² hardware error Set Route Alpha address 349 to 1.	
			Contact your MEI distributor if the error persists.	
			8 = HI ² transmission error	
			Set Route Alpha address 349 to 1.	
			Contact your MEI distributor if the error persists.	

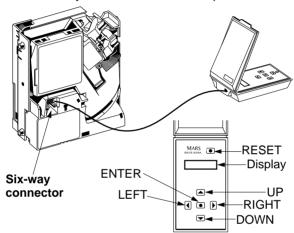
Address	Parameter	Range	Meaning and Actions	Notes
346	BDV errors (i) options	0 - 15	1 = audit timed out 2 = vmc timed out 4 = cpc timed out	BDV only
347	BDV errors (ii) options	0 -15	1 = audit incompatible 2 = vmc incompatible 4 = cpc incompatible	BDV only
349	Reset error flags	0 - 1	0 = do not reset error flags 1 = reset error flags	

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, press ENTER to display the current value in the selected address, then change the value by pressing UP or DOWN.

Press ENTER again to display the address. 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.

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 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.	Check connections. Replace lead if necessary.
	No power to the unit (the Route Alpha 250 terminal is powered through the acceptor)	Power up the unit.
Terminal powers up but one of the keys does not work	powers up but one of the keys	
Non-standard characters printed on the display	Faulty Route Alpha 250 terminal	Send terminal for repair to authorised MEI distributor.

Route Alpha 250 Address Applications

The symbols below appear together with many of the following Route Alpha 250 address numbers. They can be used as an aid to indicate which variety of product that each address is used with.

- ▲ = Address used with 1/4 price, BDV and MDB
- Address used with 1/4 price and BDV only
- **★** = Address used with BDV only
- ◆ = Address used with MDB only

Where no symbol is used these addresses apply to 1/4 price electro-mechanical products only.

CAUTIONARY NOTE

Where the application of the Multi-Interface product is changed from Electro-Mechanical (1 price or 4 price) to an MDB (Serial Interface), or vice-versa, then care must be taken to ensure that the relevant Route Alpha 250 addresses are up-dated to suit the new requirements.

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

Address	Usage	Parameter	Range	Meaning
21 - 32		Coin types 1 - 12 (Refer to addresses 421- 432 for MDB coin types)	0-2	0 = coin 1 = value token 2 = vend token
200		Maximum credit	0-65,535	maximum credit
201-204		Prices1 - 4	0-65,535	value of prices 1 - 4
205-225		Prices 5 - 25 (When audit FEM fitted only)	0-65,535	value of prices 5 - 25
226		Single/Multivend	0 -1	0 = single vend 1 = multivend

Address	Usage	Parameter	Range	Meaning
227		Escrow return inhibit	0 -1	0 = escrow allowed 1 = escrow inhibited
228		Reset mode	0 - 4	0 = blocker reset 1 = delayed blocker reset (30ms) 2 = delayed blocker reset (200ms) 3 = blocker hold reset 4 = after escrow accept signal
229	•	Coin inhibit, coins 1-4 for multiple coin inhibit,add together e.g. 1 + 8 = 9 so coins 1 & 4 are inhibited	0 -15	0 = no coins inhibited 1 = inhibit coin 1 2 = inhibit coin 2 4 = inhibit coin 3 8 = inhibit coin 4

Address	Usage	Parameter	Range	Meaning
230	A	Coin inhibit, coins 5-8	0 -15	0 = no coins inhibited 1 = inhibit coin 5 2 = inhibit coin 6 4 = inhibit coin 7 8 = inhibit coin 8
231	•	Coin Inhibit, coins 9 -12	0 -15	0 = no coins inhibited 1 = inhibit coin 9 2 = inhibit coin 10 4 = inhibit coin 11 8 = inhibit coin 12
232		Exact change inhibit group Inhibit coins 1 - 4	0 -15	1 = coin 1 2 = coin 2 4 = coin 3 8 = coin 4

Address	Usage	Parameter	Range	Meaning
233		Exact change inhibit group Inhibit coins 5 - 8	0 -15	1 = coin 5 2 = coin 6 4 = coin 7 8 = coin 8
234		Exact change inhibit group Inhibit coins 9 - 12	0 -15	1 = coin 9 2 = coin 10 4 = coin 11 8 = coin 12
235		Change delay	0 - 255	delay in 1 second steps 255 = infinite delay
238		Price hold (Protocol A only)	0 - 1	0 = do not hold price 1 = hold price

Address	Usage	Parameter	Range	Meaning
239		Price display options	0 -1	0 = do not display price 1 = display price
242		Overpay inhibit options	0 -1	0 = overpay allowed 1 = overpay Inhibited
243		Clear overpay inhibit options	0 -1	0 = cleardown allowed 1 = cleardown Inhibited
244		Keypad inhibit	0 -1	0 = keypad enabled 1 = keypad inhibited
245		Price teach inhibit	0 -1	0 = price teach allowed 1 = price teach inhibited
246		Fast sense	0 - 1	0 = normal 1 = fast

Address	Usage	Parameter	Range	Meaning	
247	A	Auto Tube Inventory (float down)	0 -1	0 = float down disabled 1 = float down enabled	
251-254	A	Tubes A - D float level options	0 - 255	number of coins in a tube to be floated to	
310	A	Value of coins in tubes. READ ONLY	0-65,535	value of coins in all tubes	
311-314	•	Tubes A - D current coin count READ ONLY	0 - 255	current number of coins in tube	
ADDRESSES 340 TO 349 ARE COVERED IN THE EARLIER FAULT FINDING SECTION					
360		Audit module VMC identification code	0-65,535	vending machine ID (ID101)	

Address	Usage	Parameter	Range	Meaning
361		Audit module - printout language	0 - 4	0 = English 1 = French 2 = German 3 = Dutch 4 = Spanish
362		Audit module - printout type	0 - 2	0 = basic 1 = basic+interim vend report 2 = basic+interim+free vend report
363		Audit module - printout product limit	0 - 25	limit details on printout to first few specified price lines
364		Audit module - printout - installation day	1 - 31	day of installation into machine

Address	Usage	Parameter	Range	Meaning
365		Audit module - installation month	1 - 12	month of installation into machine
366		Audit module - installation year	0 - 99	year of installation into machine
382	*	Link Master ID	0 - 9999	ID code of link master node
385	*	Audit unit is BDV	0 -1	0 = audit unit is not BDV 1 = audit unit is BDV
386	*	VMC unit is BDV	0 -1	0 = VMC is not BDV 1 = VMC is BDV
387	*	CPC unit is BDV	0 -1	0 = CPC is not BDV 1 = CPC is BDV

Address	Usage	Parameter	Range	Meaning
388	*	Card reval. allowed	0 -1	0 = revaluation not allowed 1 = revaluation allowed
393	*	Audit initialisation required	0 - 1	0 = initialisation not required 1 = initialisation required
421-432	MDB changer coin types 1 - 12		0 - 2	0 = coin 1 = value token 2 = vend token

Coin, Tube and Designator Options

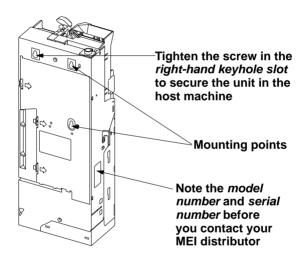
Country code & coin set	Tube types	Designators	Position	FULL tube count Addresses 261 - 264	LOW tube count Addresses 271 - 274	SAFE tube count Addresses 281 - 284
UNITED KINGDOM (GB)						
1 penny	5	F - VIOLET	A/B/C	95	12	2
2 pence	3	D - GREEN	B/D	75	9	2
2 pence	3	D - GREEN	С	75	10	2
5 pence	6.5	D - GREEN	A/C	84	11	2
10 pence	3.5	D - GREEN	A/C/D	76	10	2
10 pence	3.5	D - GREEN	В	76	9	2

Country code & coin set	Tube types	Designators	Position	FULL tube count Addresses 261 - 264	LOW tube count Addresses 271 - 274	SAFE tube count Addresses 281 - 284
20 pence	4	E - BLUE	A/B/C	81	10	4
20 pence	4	E - BLUE	D	81	9	4
50 pence	2.3	E - BLUE	B/C/D	73	10	4
£1	4	B - ORANGE	A/B/D	38	6	2
£1	4	B - ORANGE	С	38	7	2

Installing, Starting and Testing a CashFlow Unit

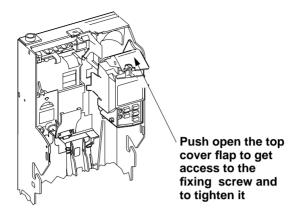
Before installation...

- 1. Check that the unit's specifications are correct for the host machine.
- **2**. Ensure that the unit's modules are assembled securely.
- **3**. Check that the connector on the unit's loom matches the one on the host machine.
- **4**. Confirm that the voltage of the power supply **to the changegiver** is the same as that shown in the keypad window of the changegiver.



Fit the changegiver onto the locating screws in the machine

- 1. Ensure that the unit is level on its three keyhole mounting slots.
- 2. Check that the right-hand mounting screw is at the top of the keyhole slot, and that the unit is **level**.
- **3**. Press down the top cover flap and tighten the right-hand mounting screw to secure the unit in place in the machine.



Connect the looms and secure them in their correct positions

- **1**. Check that the looms cannot be trapped by the unit or by the door of the machine.
- 2. Check that the unit's lid opens fully when the reject button is pressed, and that the lever has 2mm 3mm of clearance from the reject mechanism of the machine. Adjust the clearance if necessary.
- 3. Ensure that the unit's coin entry cup is aligned with the machine's coin entry chute, and that the coin exit chutes are lined up.
- **4**. With the power off, insert ten of the largest and smallest coins to check the coin routing to the coin return cup.

Switch on the power to the unit

- Check that the red LED comes on.
- Set the vend prices with the keypad or with the Route Alpha 250 terminal.

NOTE: The keypad is suitable if the installation has an electromechanical or Executive interface. If the installation has an electronic serial interface such as MDB, where prices are normally held in the vending machine, it is not appropriate.

Float the coin tubes

Floating the tubes through the creditor

1. Press **Mode + A**, and insert change coins. When the tubes reach the pre-set maximum float level, further coins are routed to the cashbox.

Use the coin entry slots to replace any coin that falls inadvertently through a tube, so that it is not counted twice by the creditor.

2. Press A to return to normal operation.

Floating the tubes by hand

NOTE: Do not attempt to float up the tubes by hand if the unit has an audit module fitted. Float the tubes through the creditor.

1. Insert a full coin cassette, or remove the unit's cassette and fill the tubes to the float levels.

If the cassette is difficult to remove, release it and tilt it forward. Push in the coin filling flap, and fill tube **A** through the gap. Fill tubes **B**, **C** and **D** through the coin entry slots.

- 2. Press **Mode + Mode**, replace the cassette, then press **Mode + A + B**.
- **3**. Insert samples of non-change coins to check that they route to the cashbox.
- 4. Press A, B, C and D in turn to check that coins are dispensed.
- 5. Press **Mode + A** and refloat the tubes through the creditor.

When the pre-set float level is reached, further coins are routed to the cashbox.

6. Press A to return the unit to normal operation.

The unit is now ready for use

MEI Product Manuals

Full technical details of this product are included in the CashFlow® 540 changegiver 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.

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