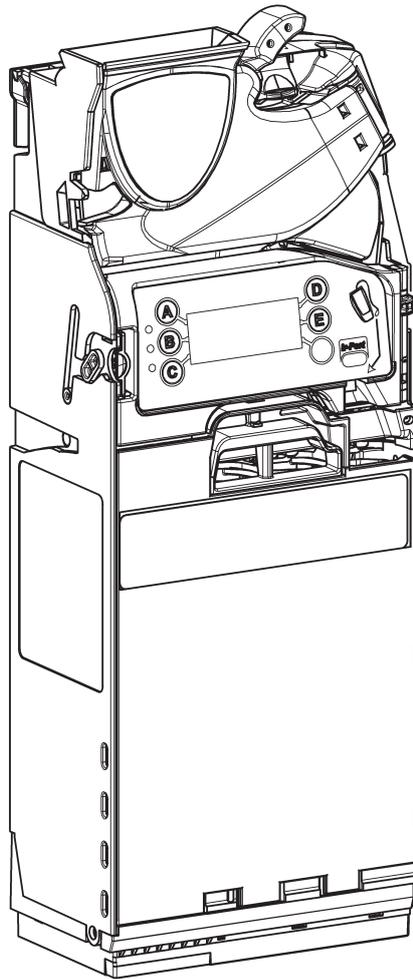

mei | cashflow™
series 7000

**CASHFLOW™ 7000 Series
Change Manager**



START- UP GUIDE

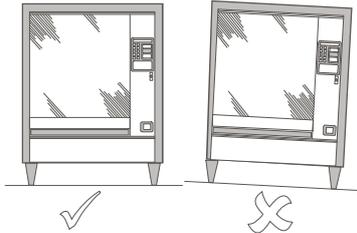
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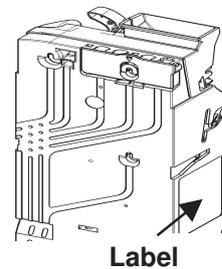
INSTALLATION

Preparing for Installation

- ◆ Turn OFF all power to the vending machine.



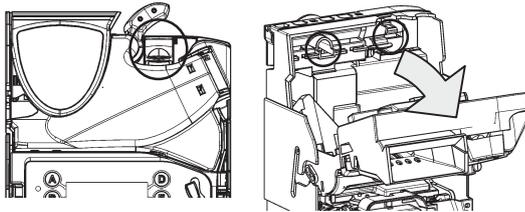
- ◆ To ensure that the CF7000 performance is not affected, visually check the vending machine is upright, both from the front and side.
- ◆ Before mounting the CF7000 to the vending machine, check the operating voltage of the vending machine matches that stated on the CF7000 label.



Installing the CF7000 to the machine

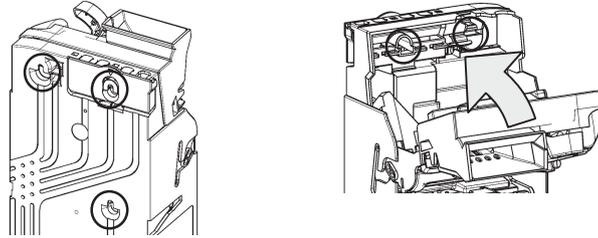
The CF7000 is mounted onto the vending machine by hanging it onto three studs located on the vending machine. To do this you will need to open the discriminator assembly and line up the mounting keyholes of the CF7000 with the vending machine studs.

- ◆ Press the yellow button at the top of the CF7000 and gently lift and pull the discriminator assembly forward. Once open, the mounting keyholes will be made visible.



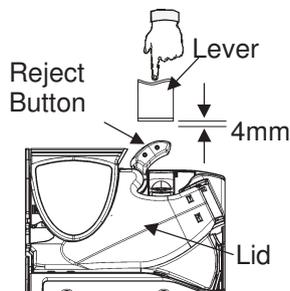
- ◆ To securely fix the CF7000 in place, partly unscrew the three machine studs.
- ◆ Line up the three mounting keyholes of the CF7000 with the studs and hang it in place ensuring that the CF7000 is sitting flat against the machine back plate.

- ◆ Tighten all three studs and return the discriminator back to its normal position.



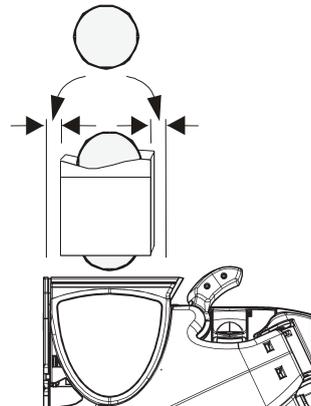
Alignment Checks

Once the CF7000 has been securely fitted to the vending machine, check reject lever operation and coin chute alignment. Do this without any power applied to the machine.



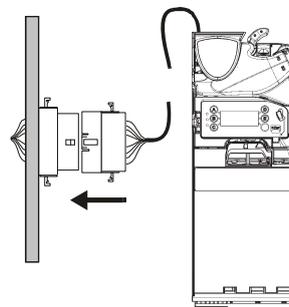
Check there is a minimum 4mm gap between the machines reject lever mechanism and the CF7000 reject button. Press the machine lever a couple of times and ensure the lid of the discriminator opens and closes correctly.

Check machine coin chute alignment by inserting two of each coin denomination through the coin entry slot of the machine. Ensure that the inserted coins fall freely into the CF7000 and exit out into the machines cash return cup.



Cable Connection

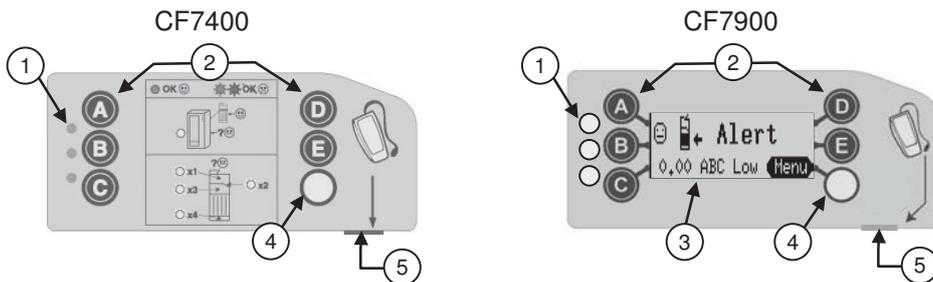
The CF7000 may be fitted with more than one cable, these may be intended for TX-RX communications, drive an external display or to extract audit data. Once all relevant cables are connected and before closing the machine door, tuck any unused cables away tidily ensuring that none are trapped between the reject lever mechanism and the vending machine door. You can now switch ON the power to the vending machine.



KEYPAD FUNCTIONS

On the front of the CashFlow[®] 7000 there is a user interface keypad. The keypad has three LED's, six function buttons, and depending on the CF7000 model a large LCD display.

This keypad allows you to dispense coins from the five-tube dispenser, access & navigate through the configuration menus and monitor the status of the CF7000.



1	3 LED's	Red, Amber, Green
2	 to 	Dispense coins & navigate through menus
3	Display (LCD)	Menu information & warning display
4	 'Mode' Button	Access service & setup menus
5	Service Connector	CPM Compatible

The LED's provide a visual indication by light flashes that report the state of the CF7000. An LED can either be ON, OFF or FLASHING. These light flash codes can indicate when the CF7000 is operating normally, is in configuration/program mode or has a fault. (Refer to the LED light code section for more information)

The blue keys (marked A to E) have two functions.

When the CF7000 is in idle mode, pressing a blue button on its own will dispense a coin from that tube. When you press and hold the blue button for approx. 4 seconds, this activates auto dispense (latch dispensing of coins) until the tube is empty of coins. If however, the yellow (mode) button is pressed, the blue buttons are then used for navigation through the CF7000 **service mode** and **setup mode** menus. (Setup menus are only available on CF7900)

Service Mode: gives access to the most frequently used product configuration options. (See Service Mode Options - Page 6)

Setup Mode: gives access to general product configuration options that are required when setting up your CF7000. (See Setup Mode Menus - Page 7)

GETTING STARTED

At power up, the CF7000 will run a self test, where the CF7000 motor will sound, the LED's will cycle five times through a sequence of red, amber & green. On CF7900 the LCD display briefly shows its software revision and as there are no coins in the tube cassette, the display will show a "**Low Tubes**" message requesting that the coin tubes be filled to a predefined level (refer to the floating coin tubes section). Once the CF7000 has enough coins in the tubes, the LCD display will show the coin totals (in currency value) stored in the tubes.

Note: MEI recommends that a small number of coins (e.g. 5 of each) be inserted in each tube prior to leaving the machine.

Floating the Coin Tubes

There are two ways to float the CF7000 tubes with coins.

- 1) Manually fill each tube by inserting coins into the tubes.
- 2) Use the Service Mode and insert coins through the discriminator.

Filling Tubes Manually

1. Remove the tube cassette from the CF7000.
2. Insert required number of coins into relevant storage tubes.
3. Re-fit tube cassette back on to the CF7000.

The CF7000 will now begin an automatic tube calibration measurement where a clicking sound will be heard, this is normal. On CF7900 once calibration is complete the display will show a total currency value of the coins inserted. If a tube is left empty the display will show a tube low message for the particular tube.

Fill Tube using Service Mode

1. Press the Yellow 'Mode' button once.
2. Press 'A' button and start inserting coins through the discriminator.
3. On CF7900 the display will show the number of coins that are required for each tube. (the displayed count will decrement as coins are inserted)
4. Press 'A' button to exit float mode.

CF7000 Menu Structure (CF7900 only)

Setup Mode

There are two ways to access the Setup Mode menus.

1. Press and hold the 'Mode' button for 2 seconds.
2. Press the 'Mode' button once and select the 'Setup' option by pressing button 'E'. (This method requires a pass code. When asked for this, press buttons 'A'B'C').

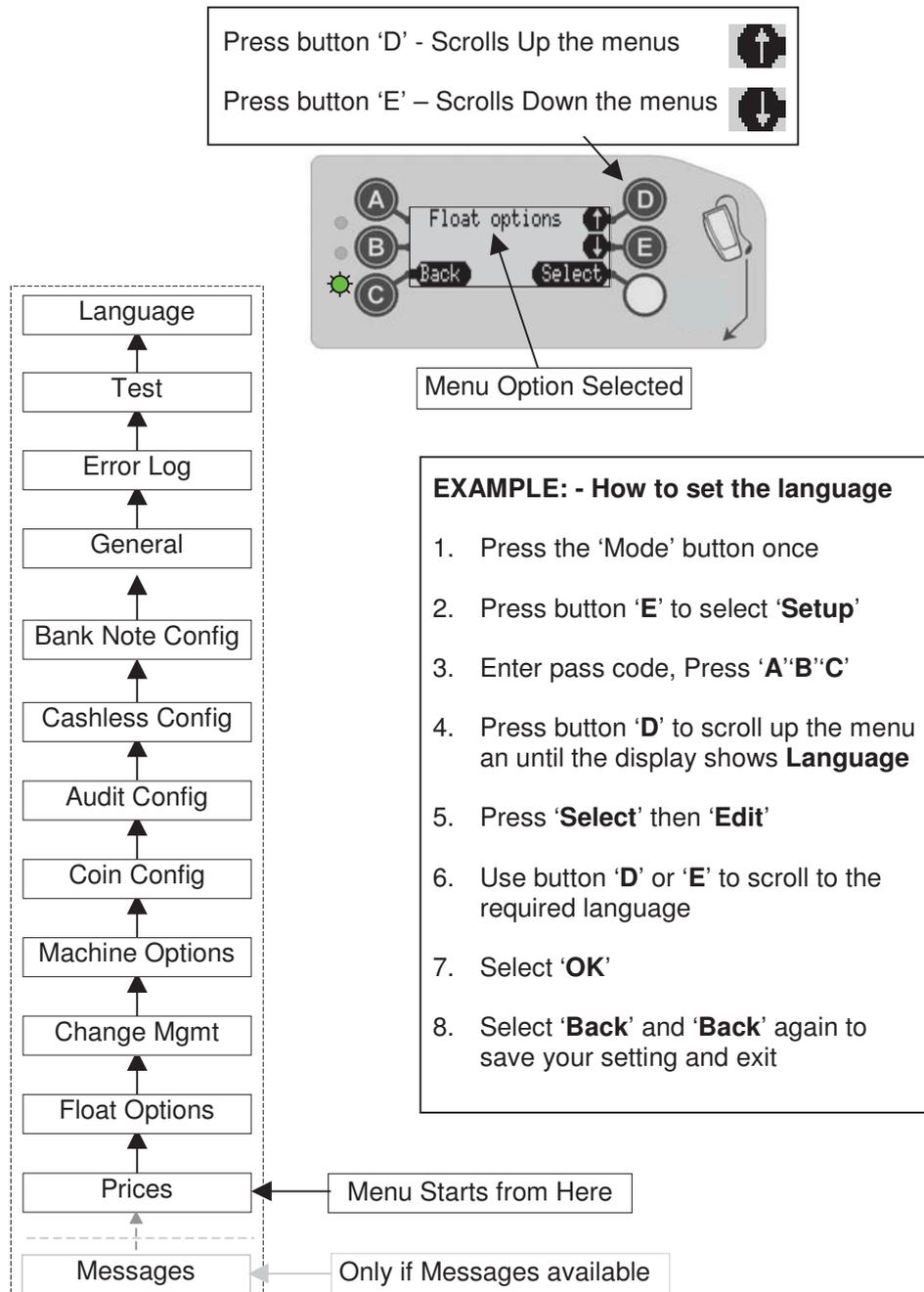
Service Mode Options (Quick Menu Codes)

This list shows the most commonly used service modes.

Press Following Button Sequence	Description / Action
 	Float coin tubes / (Insert coins then press 'Mode' button)
  	Clear accumulated credit – (Not MDB) and clear 'Clean Me' message. ['Clean Me' message not shown on CF7400]
  	Float Teach sets float levels to current coin tube levels. [Not available in Auto Float mode]
 	Inhibit a coin / (Insert a coin and then press the reject lever)
 	Enable a coin / (Insert a coin and then press 'Mode' button)
  	* View coin details / (press  to scroll up) (press  to scroll down)
  	* View channel set / (press  to exit view)
 	* Teach vend price / (Insert coins to the value of the price and then press the price line button on the machine to set it) (When finished press the  button) [This feature is only available on Executive products]
 	* Custom tube cassette teach / (Enter coin, select position then press )
   	Select predefined tube cassette / (enter code on cassette label & press 'Mode' button)

* Features only available on CF7900

Setup Mode Menus (not available on CF7400)

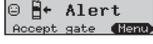
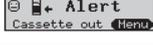
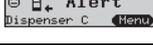


General LED Light Codes

	On - CF7000 OK.
	Cycles x 5 - Normal power up sequence. CF7000 OK.
	Blinks Off - Coin accepted / rejected.
	Flashing - CF7000 in Menu mode
	On – CF7000 inhibited by VMC.
	Flashing - CF7000 requires attention. (Refer to Amber LED light codes)
	Off - No Power to CF7000. (Check power looms are connected & ensure power is switched ON)
	Alternating - CF7000 Faulty (Remove from vending machine)

Amber LED Light Codes

If the amber LED flashes, this indicates that a fault has been detected on one of the CF7000 main modules. These types of fault can be rectified at the machine and can be for example caused by; a coin jam; dirt built up; or the cassette has been removed etc. The CF7000 will also indicate the module affected on its display.

Flashes	Check CF7000 Module	
1 x 	Discriminator	
2 x 	Accept gate	
3 x 	Separator module	
4 x 	Dispenser module	

Selecting Predefined Cassette

The CF7000 has stored in memory a selection of predefined tube cassettes that provide different payout options. (See table below).

By pressing the correct button code on the keypad you can select the required payout option.

The correct button sequence code can also be found on the front label of the cassette.

To select a predefined cassette, press the 'Mode' button then 'D' followed by the button code.

Finally select 'Accept' from the menu to confirm and save.

Button Code	Tube A	Tube B	Tube C	Tube D	Tube E
AA	5c	10c	50c	20c	5c
AB	1c	10c	50c	2c	5c
AC	5c	10c	50c	20c	€1
AD	5c	10c	50c	10c	€1
AE	5c	10c	50c	10c	5c
BA	10c	10c	50c	10c	€1
BB	10c	10c	50c	20c	€1
BC	20c	10c	50c	€1	€2
BD	€1	-	50c	€1	€2
BE	€1	-	50c	€2	€2
CA	1c	10c	50c	€1	5c
CB	20c	10c	50c	€1	20c

SAFETY

National & International Standards Conformance

CashFlow[®] 7000 Series products operate at Safety Extra Low Voltage Level (SELV) as defined in IEC335/EN60335 '*Safety of Household and Similar Appliances*'. They may be designed into equipment complying with IEC335/EN60335 or IEC950/EN60950 '*Safety of Information Technology Equipment*'.

CashFlow[®] 7000 Series products are of Class 3 construction.

Rated Operating Voltage

The operating voltage of a CashFlow[®] 7000 Series is stated on the label attached to the product. It must not be used with any power source other than that indicated.

Dangerous Environments

The CashFlow[®] 7000 Series must not be operated in the presence of flammable gasses, fumes or water.

Product Disposal

Do not dispose of any part of a CashFlow[®] 7000 Series by incineration.

CashFlow[®] 7000 Series Start-Up Guide

Revision G3

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