

## Set Up Screen Features (Continued)

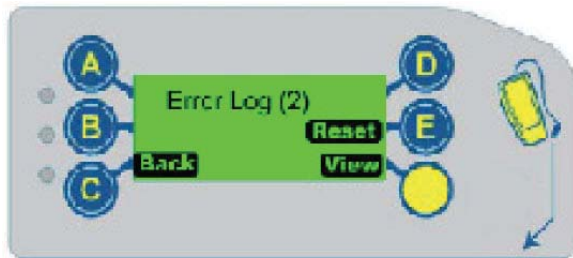


Fig.18

• To “View” errors - Press the yellow mode button (highlighted “View”) to gain access. Use the D or E button (highlighted arrows) to scroll through the stored errors. Use the C button (highlighted “Back”) to return to the previous screen.

• To “Reset” errors - Press the E button (highlighted “Reset”) to gain access. The user will be asked to “Accept” the reset request by pressing the yellow mode button or “Cancel” the reset request by pressing the “C” button.

### Messages (Setup Screen - Appears if a message is present)

The Coin Manager constantly monitors the payout efficiency of the cassette installed. It tracks all transactions over time and will prompt the user with a message, if there is a better payout configuration. A letter envelope will appear on the display, as shown here.....



- Once the setup menu has been accessed this option will now be the first in the list
- Press the yellow mode button to access messages. See figure 19

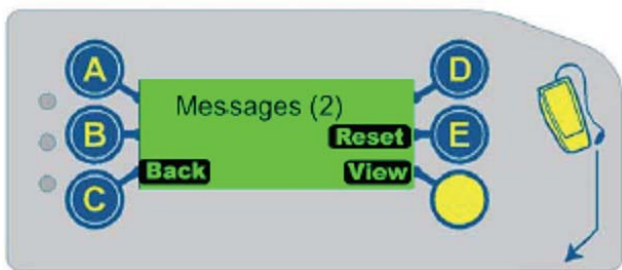


Fig.19

• To “View” messages - Press the yellow mode button (highlighted “View”) to gain access. Use the D or E button (highlighted arrows) to scroll through the stored messages. Use the C button (highlighted “Back”) to return to the previous screen.

• To “Reset” messages - Press the E button (highlighted “Reset”) to gain access. The user will be asked to “Accept” the reset request by pressing the yellow mode button or “Cancel” the reset request by pressing the “C” button.

**Additional information on the CF7512 Coin Manager will be published in the Maintenance and Operation Guide (available on-line at [www.meigroup.com](http://www.meigroup.com)) or you may contact our help desk at 1-800-345-8172 with any questions.**



# Coin Manager 7512 CN MDB Installation Guide-Canada

## GENERAL INFORMATION

This document contains information for installing the MEI CASHFLOW™ 7512 Canadian Coin Manager.

- 7512 Multi-Drop Bus (MDB)

This product fits into the standard coin changer channel provided by vending machine manufacturers. It mounts on the existing three mounting studs/screws located in the vending machine.

The features of the Coin Manager include:

- Changeable/configurable coin cassette
- Five auto-replenishing coin tubes (flexibility)
- \$2 coin payout
- LCD display panel - gives instant status of unit
- Patented coin inventory recognition
- MDB interface
- Ability to manage coin inventory to minimum levels

## Interface

MEI CASHFLOW™ 7512 CN operates in machines that support the MDB interface\*. MDB is a serial communication interface standard that has migrated into vending equipment since 1996. It allows for multiple devices to be added to a single connection on the vending machine control board, by linking one device to another in series to the main MDB harness.

## Rated Operating Voltage

Voltage: 34v d.c. 12W

The operating voltage of a MEI CASHFLOW™ 7512 CN Coin Manager is stated on the label of each product. The label is located on the left side of the Coin Manager.

*\*Note: MDB (Multi drop bus) interface information can be found on NAMA's website located at [www.vending.org](http://www.vending.org)*

## INSTALLATION INSTRUCTIONS

### Before you begin...

- Remove the Coin Manager from the packaging material. Inspect unit for physical damage that may have occurred during shipping.
- Turn OFF the power supply to the vending machine.
- Push and hold the yellow button on the top right (below reject lever) of the Coin Manager and tilt the acceptor assembly forward. You do not have to remove the cassette (See Fig 1).
- Once open, the mounting holes are accessible. Hang the Coin Manager on the mounting studs/screws, ensuring that the changer is mounted on all three studs/screws (See Fig 2).
- Tighten screws (if required) and close the acceptor assembly.
- Remove cassette by sliding two fingers in the yellow latch and lift the cassette outwards and upwards as shown in Fig. 3.
- Manually fill cassette with coins. Make sure that coins are inserted into the proper tubes.

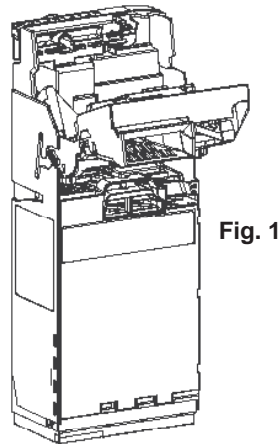


Fig. 1

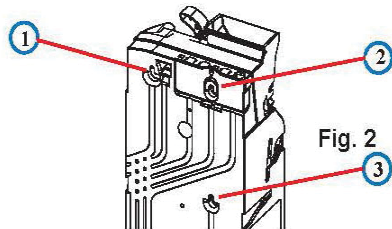


Fig. 2

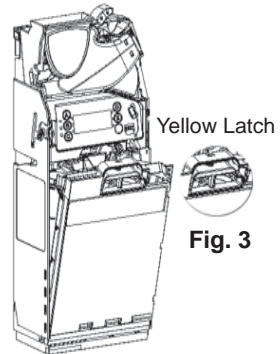
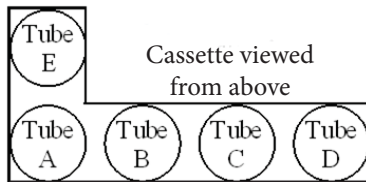


Fig. 3



Cassette viewed from above

## Set Up Screen Features (Continued)

### Test (Setup Screen)

The Test feature allows the user to automatically run a functional test on the major components of the Coin Manager. Once the test process has completed, the display will indicate if the Coin Manager has passed or failed the test.

- Once the set up menu has been accessed, use the D or E button (highlighted arrows) to scroll to the Test screen. Press the yellow mode button (highlighted "Select") to run the auto test feature. The Coin Manager will commence testing, displaying a % complete indicator followed by the test results. See Figure 17

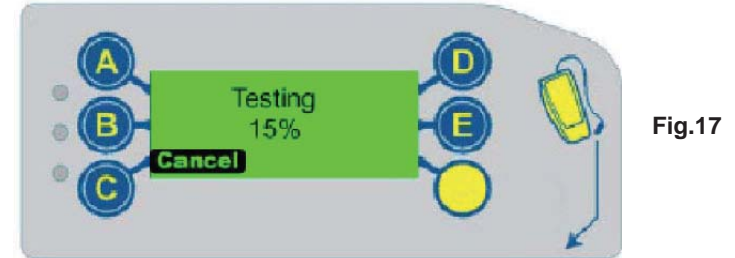


Fig.17

If the unit passes the test, the user can press the "C" button (highlighted "Back") to exit the test mode.

If the unit fails the test, a detailed list of the tested components, with test results, can be viewed by pressing the yellow mode button (highlighted "Details"). Use the D or E button (highlighted "arrows") to scroll through the checklist. Once the failure is known, please contact an MEI Service Center for further instruction.

- To exit the test mode, press the "C" button (highlighted "Back").

### Error Log (Setup Screen)

The Error Log is a tool designed to capture and store errors that have occurred during the operation of the Coin Manager. These errors can be a result of jammed coins, poor acceptance, and module failures. The most current 10 errors are stored from most current to least current in a time-based method from the point that the errors occurred. This feature provides a technician greater visibility and understanding during the troubleshooting process.

- Once the setup menu has been accessed, use the D button (highlighted "arrow") to scroll to the Error log screen. Press the yellow mode button (highlighted "Select") to access this feature. The user will be presented the option to view or reset the errors, see figure 18 on page 12.

## Set Up Screen Features (Continued)



Fig.15

- To adjust the par value, Press the D button (highlighted “Adj”) to adjust the overall cassette value (see figure 16). Press the D or E buttons (highlighted up and down arrows) to increment and decrement the specific value digit. Press the A or B buttons (highlighted left and right arrows) to shift to the next value digit. Once the value is reached, press the yellow mode button (highlighted “OK”) to return to the initial settings screen. Press the yellow mode button (highlighted “Next”) to move to the next and final step.

*Note: The highlighted command of the yellow mode button will shift from “Reset” to “OK” after 3 seconds. If the yellow mode button is pressed while “Reset” is highlighted, the par value will set to its maximum and the coin tubes will fill to their maximum.*

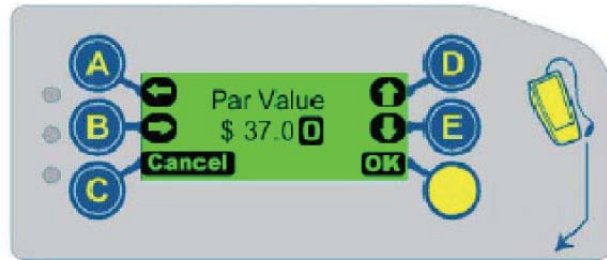


Fig.16

- The next and final step will direct the user to select a tube fill mode, either “Fill to Par” (coins fill to the set par level/value) or “Fill to Max” (coins fill to maximum tube capacity and are dispensed down to the preset par level/value during servicing - using the Par option on the menu screen).

- To select a specific tube fill level (mode), use the D or E button (highlighted arrows) to scroll between the two options. Once the preferred option is highlighted (“Fill to Par” or “Fill to Max”), Press the yellow mode button (highlighted “Finish”) to set and complete the Par Setup process.

*Note: The C button (highlighted “Back”), will allow the user to step back in the setup process to make changes that may have been missed. Also, the C button will be highlighted with “Cancel” during par level/value adjustments, this allows the user to revert back to the original number in that field if the adjustment was made in error.*

## Alignment

- Once the Coin Manager is installed, check that there is a small gap (2-4 mm) between the lever on the vending machine and the return lever on the Coin Manager (See Fig 4). Check that when you press the coin return lever on the machine door, it fully opens the acceptor lid on the Coin Manager, then returns smoothly without holding the lid open.

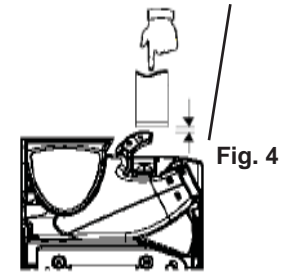
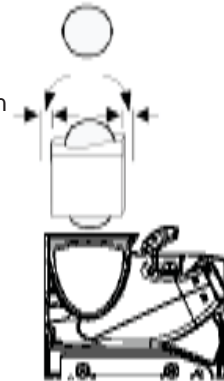


Fig. 4

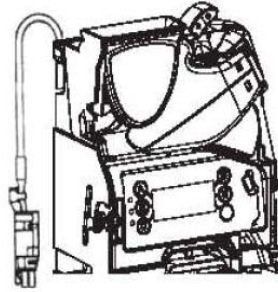
- Check the alignment of the coin insert chute and cashbox chute. Insert some coins to check that they enter the Coin Manager properly and exit into the return cup (See Fig 5). Make sure that the coin chute does not rest on or open the flight deck lid.

Most machines allow you to adjust the return lever, coin chute, and the return cup to align with the Coin Manager. Align, adjust, and test as necessary to ensure coins are properly routed before continuing with these instructions.



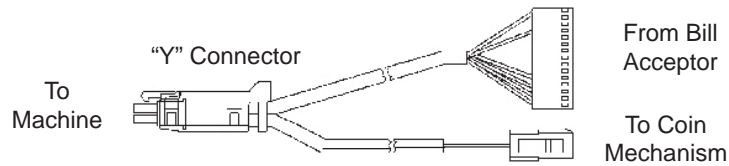
## Connection

An MDB (Multi-Drop Bus) Coin Manager will be supplied with one or two harnesses. One connector transmits power and communication from the vending machine to the Coin Manager. The second harness allows for power and communication between the coin manager and another MDB device.



### Coin Manager with one harness...

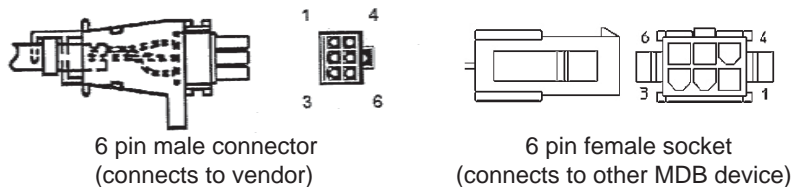
- If you have a bill acceptor, connect the MDB harness coming from the Coin Manager to the bill acceptor's "Y" connector.



If there is no bill acceptor, connect the Coin Manager harness to the harness coming from the machine's control board.

### Coin Manager with two harnesses... (Main and MDB Peripheral)

The purpose of having two harnesses (one male connector, one female socket), is that the 7512 Coin Manager has the ability to store bill acceptor audit data. The bill acceptor data can be viewed on the 7512 display. Connecting the bill acceptor to the Coin Manager enhances the coin management capabilities.



- After turning "OFF" the vending machine, disconnect the harness connecting the bill acceptor to the machine's control board. Attach the male connector coming from the Coin Manager to the female connector coming from the VMC. Attach the female connector from the Coin Manager to the bill acceptor's male connector.

- Tuck any excess length of harnessing inside the machine. Make sure all harnesses are not trapped when the coin return lever is pressed or when the vending machine door is closed.

- Now you may switch "ON" the power to the vending machine.

## Set Up Screen Features (Continued)

- Press the D or E button (highlighted arrows) to scroll through each style. Press the yellow mode button (highlighted "Next") once the preferred style is located. This action will advance the user to the next step.

- The user can select "Snapshot" (E Button) to measure/capture the current coin inventory or the user can select "Current setting" (yellow mode button) to adjust the current Par levels/value. See figure 12

*Warning: To utilize the snapshot features, you must have the minimum coins required in the lowest three denominations tubes of your cassette.*



Fig.12

- To accept the displayed par level/value, Press the yellow mode button (highlighted "Accept") to advance to the next and final step. Figure 13 and 14 below, illustrate the par setting screen for level and value. Based on the Par Style selected, the appropriate screen will be prompted.



Fig.13



Fig.14

To adjust the Par level/value it depends on the Par Style selected.....

To adjust the par level, Press the D button (highlighted "Adj") to adjust each coin tube level independently. A list of the coins that are held in the cassette will be shown. See figure 15 on page 10.

Use the D or E button (highlighted arrows) to scroll to each coin. Multiple tubes of the same denomination will be combined. Once the specific coin tube is located, press the yellow mode button (Highlighted "Edit") and use the D or E button (high-lighted arrows) to increase or decrease the total amount of coins stored in that tube. Once the appropriate level has been reached, press the yellow mode button (highlighted "OK") to set. This will return the user to the coin tube list where the user can adjust another tube. Once the user has finished making the tube level adjustments, press the C button (highlighted "Done") to return to the initial setting screen. See figure 13.

Press the yellow mode button (highlighted "Next") to move to the next and final step.

## Menu Screen Features (Continued)

### Setup (Menu Screen)

- Pressing the “E” button (Highlighted “Setup”) offers the user four basic options to choose - Par Setup, Error Log, Test and Advanced. Use the D & E button (high-lighted arrows) to scroll to the specific option. For advanced set-up options refer to the Operation Guide.

The CF 7512 Coin Manager offers the user two setup modes - Basic (default) and Advanced on software version 1.17 or higher.

Note: The version of software is shown briefly, on the Coin Manager display after powering the unit “ON”. Coin Managers with older versions of software will have the advanced menu only, but can be updated to the latest software version by using the CPM field programming tool or by visiting a local MEI service center.

- To toggle the default menu on your coin manager from Advanced to Basic or from Basic to Advanced Setup menu, simply press and hold down the yellow mode key while powering up the Coin Manager.

If you do not wish to power down the unit, you may change your setup menu by:

- Go to the “General” option in the advance menu and Select.
- Arrow up to “Default Menu” and Select.
- Press “Edit” and scroll down or up.
- Press “OK” and “Back” complete out of the menu.

### Par Setup (Setup Screen)

The Par Setup feature allows the user to set a specific coin level by tube or a total cassette value that will be stored in the coin cassette. By controlling the amount of coins to be stored in the coin cassette, the user can minimize the risk of theft or eliminate excess coin that is not being utilized. Par may be referred to as float.

MEI has integrated a simple step by step method of setting Par. At the end of each step, the user will be prompted with a “Next” option to move to the next step. This feature can only be found in software version 1.17 or greater.

Once the Setup menu has been accessed, the Par Setup screen will be present. Press the yellow mode button (highlighted “Select”) to enter Par Setup. See figure 11.

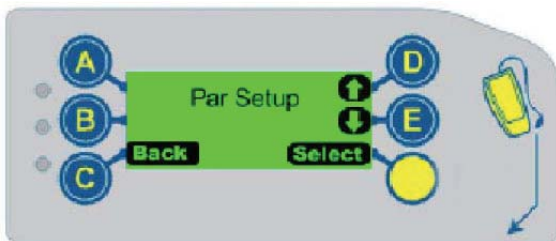


Fig.11

The user is given the option to “Select Style”. The Par styles are:

- Level (set number of coins per tube)
- Value (set value of coins for the coin cassette)
- Auto (allows the Coin Manager to determine the Par setting)

## Initial Power Up (First Time Out of Box)

The Coin Manager will power up and check to see how many coins are in each tube. If the tubes are empty the Coin Manager will alert you which tubes are low (See figure 6). You should fill the three lowest coin value tubes with a minimum of five coins per tube (i.e. On a 5,5,25,10,25 configuration, you would have to fill tubes ACD).



Fig. 6

Once you’ve filled the cassette with coins, the Coin Manager will measure the tubes for 5 seconds and display a happy face, an “OK”, and the total amount of change in the tubes (See Fig. 7). Dispense some coins from each tube to check that all coins drop into the coin return cup properly.



Fig. 7

Note: At this point of the installation, the Coin Manager will function properly without any further steps. The information from this point forward, will describe some basic features that can be utilized to improve the efficiency and serviceability of the Coin Manager.

### Menu Button

- The yellow button is the mode key. While the Coin Manager is in idle/normal operation, “Menu” will appear next to the mode key. Press the mode key to access the menu screen. The following options will be presented on this screen: Cassette (configuring), PAR, Audit and Setup. Press the corresponding button beside the highlighted option to access that option (See Fig. 8).

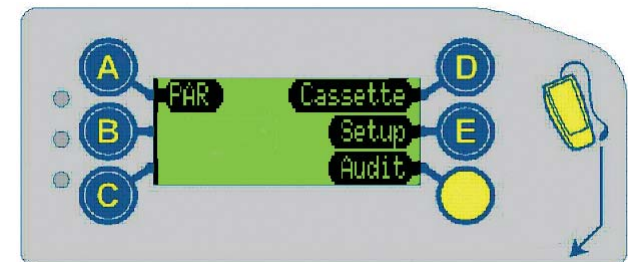


Fig. 8

## Menu Screen Features (Continued)

After 5 seconds the screen will change slightly and the “audit” key will become the “Back” key.

### Cassette (Menu Screen)

The cassette payout configuration on the Coin Manager can be modified to accommodate any vend price condition. It can be programmed by selecting a cassette model from the table on page 7, or it can be custom programmed by inserting coins.

While in service mode, press the “D” button (highlighted “Cassette”) to access cassette teach. The display will request a cassette model code to be entered or a coin to be inserted, through the acceptor. (See Fig. 9).

By Code - Enter the cassette model key code located on the front of the cassette (i.e. AB). All cassette model codes are listed on page 7.

or

By Coin - Insert a valid coin then select the tube location (A-E) to which that specific coin is to be routed. Repeat procedure on all five tubes until all tubes have been assigned a coin. Press “Next”, followed by “Accept”.

(Please review possible tube positions on page 6)

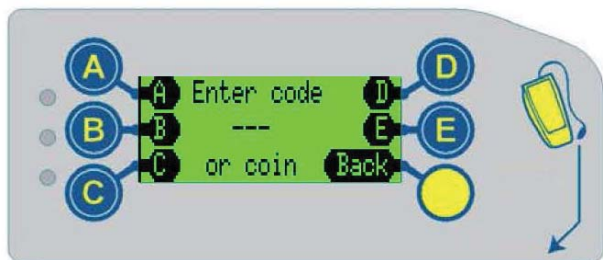
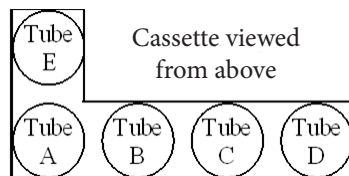


Fig. 9

Once you’ve defined the cassette, fill the cassette with coins. The Coin Manager will check tube capacity, then display a happy face, an “OK”, and the total amount of change in the tubes (as shown in Fig. 7).

### Possible Tube Positions

The Coin Manager can also be custom configured by removing any of the coin tubes and replacing them with another denomination tube. But there are restrictions. Please review the table below.



Coins	Tube Number & Base Color	Maximum Fill Level by Coin Manager	Maximum Fill Level by Hand	Possible Tube Positions
5c	22 Red	82	94	A,B,C,D,E
10c	19 White	123	138	A,B,C,D
25c	25 Black	90	106	A,C,D,E
\$1	27 Blue	72	85	C,D,E
\$2	29 Green	79	95	

## Canadian Cassettes Models

Key Code	Tube A	Tube B	Tube C	Tube D	Tube E
AA	10	5	25	25	5
AB	10	5	25	\$1	5
BA	25	5	25	25	25
BB	10	5	10	25	5
CC	Custom cassette 1 – defined in factory or by service tool				
CD	Custom cassette 2 – define yourself using cassette teach				
DAC	25	5	\$1	\$1	25
DAD	25	5	\$2	10	\$1
DAE	25	5	\$2	\$1	\$1
DBA	25	5	\$2	\$1	25
DBD	25	5	\$1	\$1	\$1
DCA	25	10	25	\$1	5
DCB	25	10	\$1	\$1	5
DCC	25	10	25	25	5
DCD	5	10	10	10	5
DCE	10	10	10	10	5

### PAR (Menu Screen)

Pressing the “A” button (high-lighted “PAR”) allows the user to access the par filling process.

The PAR (or float) operation has three stages:

- Payout of any coins above the PAR - (If “fill to max” is enabled)
- Request insertion of coins that are below PAR
- Display Results

Note: During the PARing process, coins can be added by, removing the cassette and inserting coins into the tubes, or inserting coins through the openings above tubes B, C, D, or inserting coins through the acceptor. To set PAR level/value or choose a PAR style, please read the instructions on page 8.

### Audit (Menu Screen)

If the yellow Mode Key is pressed twice in quick succession (while coin cassette is fitted), the display will show audit information. Each message will be shown for 3 seconds. The screen can be frozen on the display by pressing “pause”. The “pause” button will then alter to become a “resume” button (See Fig 10). When the “resume” button is pressed, the screens will continue to show, in sequence, the audit information.



Fig. 10