

# GRYPHON™ COIN CHANGER TECHNICIAN GUIDE

## Components

Key coin changer components are identified below.

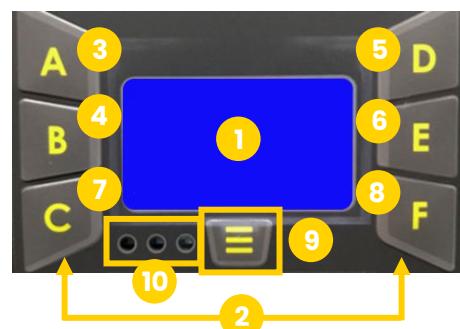
No.	Item	Description
1	Coin return	Press to reject a coin and open the validator door.
2	Validator latch	Pull to remove the validator assembly.
3	Man machine interface (MMI)	Use this screen and keypad to interact with and update the coin changer.
4	Diagnostic LEDs	Displays the status of the coin changer with red, amber, and green LEDs.
5	Cassette	Stores coins for dispensing as change.
6	Dispenser	Dispenses coin returned as change.
7	Cassette release tab	Lift and pull to remove cassette from main housing.
8	Micro USB port	Connect to a PC or USB memory stick for reading audits, changing settings, and updating firmware.



## Keypad

The MMI screen displays messages related to current operational status and menu selections. Always follow on-screen messages. See menu navigation tips below.

No.	Description
1	Display
2	Press keys A-F to navigate user menus. See Symbols for details. Keys A-F are also used to dispense coins from corresponding tubes when in normal operating mode.
3	Move left
4	Move right
5	Scroll up
6	Scroll down
7	Previous page
8	Next page
9	Press to access Service and Setup menus. Press once to display previous menu. Hold for 3 seconds to return to home screen.
10	Diagnostic LEDs: red, amber, and green.



## Diagnostics LEDs

Diagnostic LEDs indicate coin changer statuses.

COLOR	SEQUENCE	DESCRIPTION
● ● ●	On	Unit is properly working
● ● ○ ●	Cycles 5 times	Boot-up sequence
●	1 flash	Coin accepted
●	2 flashes	Coin rejected
●	3 flashes	Rejected coin was inhibited on unit
●	Slow flash after pressing ≡	Unit is in Service or Setup menu
●	Fast flash after pressing ≡	Audit processing or firmware update
○	On	Unit inhibited by VMC
○	1 flash	Coin return lever active
○	2 flashes	Validator error
○	3 flashes	Cassette error
○	4 flashes	Dispenser error
● ○	Alternating	Unit failure. Replacement required.

## Symbols

Symbols on the screen indicate coin changer statuses.

COLOR	DESCRIPTION
◀ ▶ ⌂ ⌃ ⌄ ⌅	Menu navigation
😊	Unit is OK
😐	Unit requires attention
😢	Unit has fatal error. Replacement required.
💻	Unit is connected via USB to PC
USB	Unit is connected to USB stick
☒	Error

## Service Menu

Press  to view Service menu options

SERVICE MENU NAVIGATION	DESCRIPTION
 A	Start float operation
 D 	Configure tube denominations for custom cassette
 D + 3 letter keys	Enter 3-digit code for predefined cassette (code is located on front of cassette)
 E	Access Setup menus
 	Read basic audit on display. Audit counters and tube contents are displayed in sequence. Each value will display for 3 seconds before showing End of Audit message.

## Setup Menu

Press  E to access the Setup menus.

SERVICE MENU NAVIGATION	DESCRIPTION
Float Mode and Target Values	<ul style="list-style-type: none"><li>Change float mode, target levels, or target value</li><li>Create a snapshot</li></ul>
Change Management	Adjust float levels and mix of coin paid as change
Machine Options	Select and change settings related to machine interface in use
Coin Config	<ul style="list-style-type: none"><li>Enable/disable individual coins</li><li>Select standard or high-security coin acceptance</li><li>Select teach and edit token settings</li><li>Set dual currency exchange rates</li></ul>
Audit Config	Set audit-related settings
General	<ul style="list-style-type: none"><li>Save current settings</li><li>Calibrate tubes</li><li>Miscellaneous settings for items such as: currency for change accepted, display, and keypad</li></ul>
Error Log	View and reset recent errors
Test	Run tests to confirm correct operation
Language	Change display language

## Cassette Configuration

Two methods for configuring the coin changer cassette are outlined below.

 The cassette must be empty before configuring or recalibrating

CONFIGURATION METHOD	STEPS
Cassette code	<p>To change the cassette:</p> <ol style="list-style-type: none"><li>1. Press <math>\equiv</math>, followed by CASSETTE.</li><li>2. Enter the required cassette code and press SAVE.</li><li>3. Press START to calibrate the empty cassette when prompted.</li></ol> <p>Follow the custom cassette steps below if the code is not recognized.</p>
Individual tubes or custom cassette	<p> Tubes are coin-specific. Accepted coin size is printed on the side of the tube.</p> <p>To change individual tubes or create a custom cassette:</p> <ol style="list-style-type: none"><li>1. Press <math>\equiv</math>, followed by CASSETTE.</li><li>2. Use keys A-F to select the tube position.</li><li>3. Select the denomination for the tube.</li><li>4. Press SAVE to store the setting.</li><li>5. Press <math>\equiv</math>, when all tubes are programmed.</li><li>6. Press START to calibrate when prompted.</li></ol>

## Installation

To install the coin changer:

**1** Remove the coin changer from packaging. If it was damaged during shipping, go to [CranePI.com/Support](http://CranePI.com/Support) to locate a customer service contact near you.

 Review the operating voltage on the label that is displayed on the left side of the device (when looking at the front of the coin changer).

**2** Turn off power to the vending machine.

**3** Lift the yellow latch on the top right of the coin changer and tilt the validator assembly forward to access the coin changer mounting holes. The cassette does not need to be removed.

**4** Hang the coin changer on the vending machine's mounting screws, ensuring the unit is level. See Alignment.

**5** The lower mount (5a) can be difficult to see through the device.

Hanging the coin changer from the top 2 screws (5b and 5c) first will help to locate the lower mount.

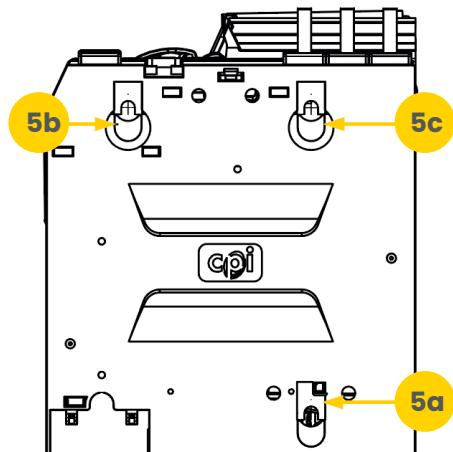
**6** Tighten the mounting screws, if necessary, being careful not to over-tighten. Close the validator assembly. The lower mount is difficult to access with a large screwdriver.

**7** Remove the cassette if coins will be directly inserted into tubes. Lift it by the handle and pull toward you.

**8** Fill the cassette with coins, ensuring coins are inserted into the proper tubes.

**9** Return the filled cassette to the coin changer and ensure it is correctly seated.

**10** Restore power to the vending machine.

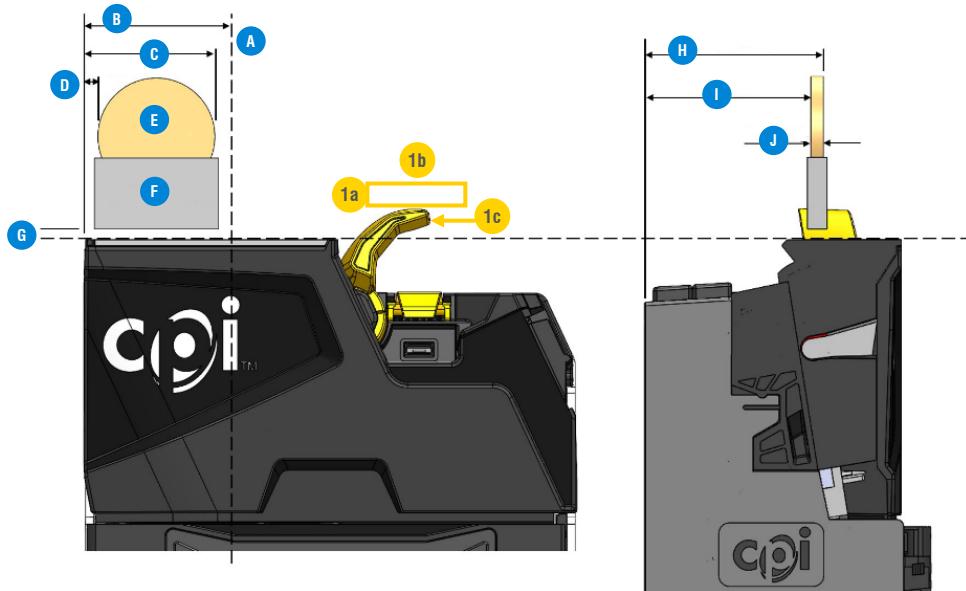


## Alignment

After installing the coin changer:

- 1 Ensure there is a small gap (1a) of 2-4 mm (0.08-0.16 in) between the reject lever on the vending machine (1b) and the return lever on the coin changer (1c).
- 2 Press the coin return lever on the vending machine door. Confirm that it fully opens the validator door on the coin changer, and then smoothly returns and fully closes.
- 3 Check alignment of the coin entry chute on the vending machine, ensuring it does not impede operation of the validator door on the coin changer.
- 4 Align, adjust, and test as necessary to ensure coins are properly routed before continuing.

## Coin Entry Chute Size and Alignment



LETTER	MEASUREMENT OR DESCRIPTION
A	Reference mounting hole axis
B	39 mm (1.54 in)
C	36.5 mm (1.44 in)
D	3.5 mm (.14 in)
E	Diameter = 33 mm (1.3 in)
F	Coin entry chute
G	3 mm (.12 in)
H	50 mm (1.97 in)
I	46.5 mm (1.83 in)
J	Maximum coin thickness = 3.5 mm (.14 in)

## Compliance

Gryphon coin changer meets domestic and international standards for emission, safe product design, and environmental regulations. Contact your CPI service representative for details.

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