



Guardian 6000™ Coin Changer Installation & Operation Guide

Introduction

The Guardian 6000™ coin changer represents another milestone in Coin Acceptors, Inc. history of innovation. These advancements continue to provide Coinco customers improved reliability, simplified route operations, and increased profitability.

Power Requirements

- MDB: 34VDC
- 1.8 Amp max operating

Product Overview and Features

The Guardian 6000™ changer incorporates a wide range of benefits, including:

- Six self-replenishing coin tubes with cash accountability.
- Swing-out, illuminated payout cassette.
- Built-in self diagnostics.
- MDB (Multi-Drop Bus) interface (optional MDB to USB converter available).
- Field tuning for tokens & slug elimination.
- Interchangeable coin tubes enable simple payout re-configuration.

For Your Records

A label indicating the changer's model number and serial number can be found on the side of the Guardian coin changer. Refer to the model number and serial number whenever you call your Coinco Service Center for information or service. The first four digits of the changer serial number indicate when the unit was built, which is also the beginning of the warranty period:

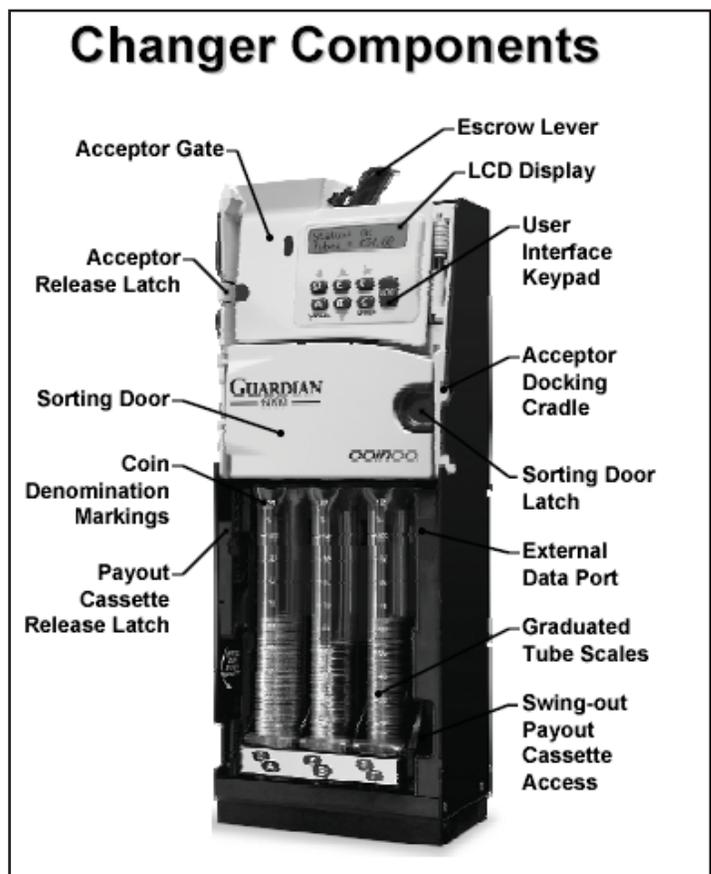
- **First two digits:** indicate the week of manufacture.
- **Third and fourth digit:** indicate the year.

For example, serial number 1507000123 indicates the unit was manufactured in the 15th week of 2007.

For information on available Guardian 6000™ models and configurations, please contact your local Coinco Sales Representative or visit our website at www.coinco.com

Unpacking / Installing the Changer

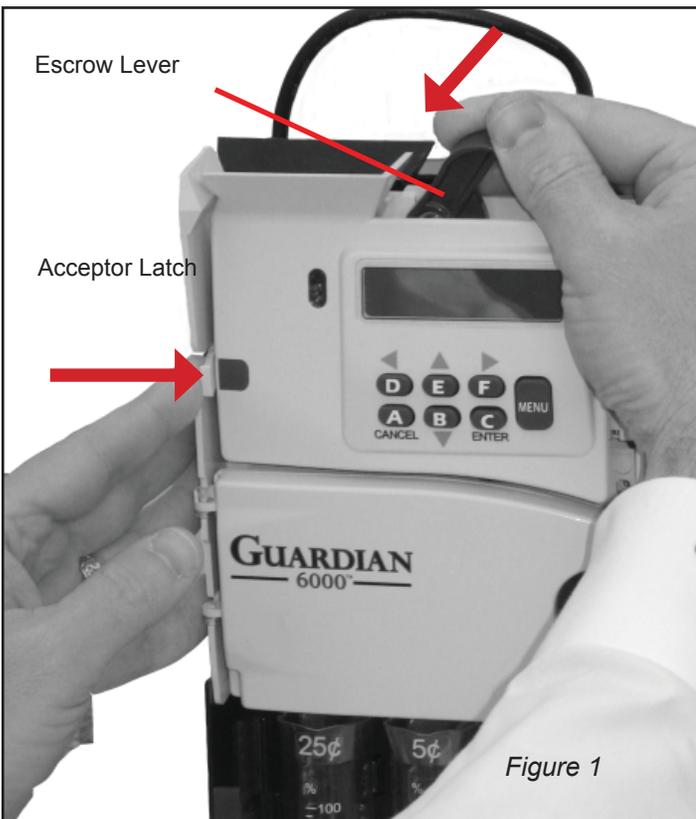
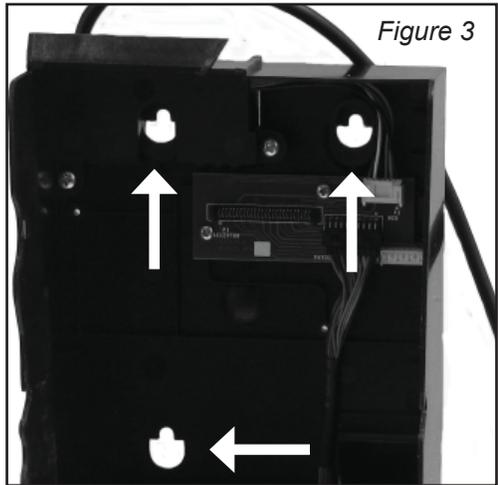
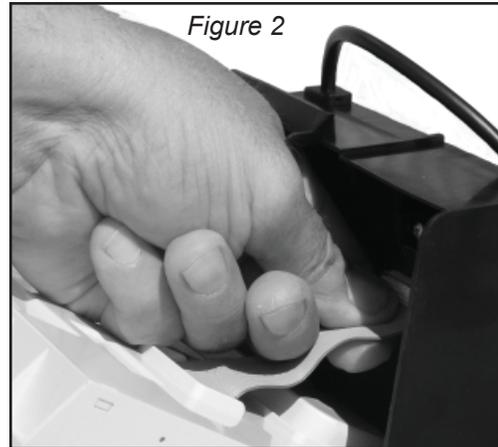
After removing the coin changer from the shipping carton, inspect it for possible damage. If the unit is damaged, notify the shipping company immediately. The consignee (person or company receiving the unit) can file a claim against the carrier for shipping damage. We recommend you keep the original carton and packaging materials to reuse if you need to transport or ship the coin changer in the future. If the coin changer is being stored or used as a spare, always keep it in its shipping carton when not in use. This will keep it clean and offer the best protection for the unit.



Installing the Changer

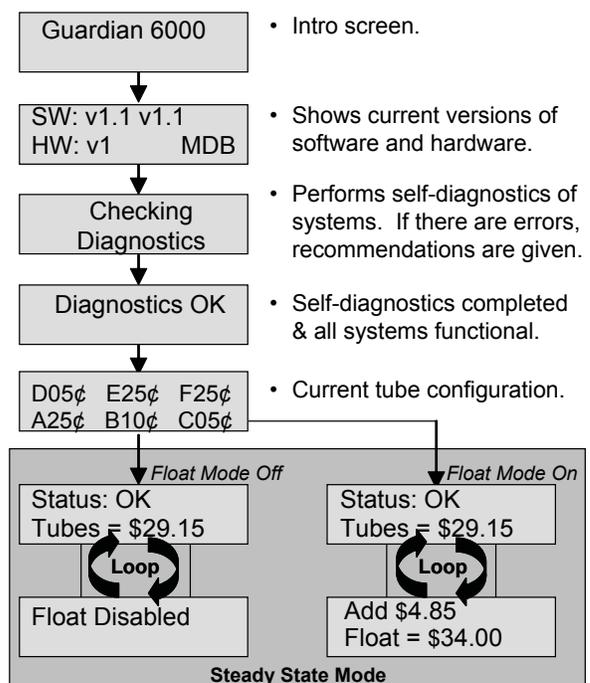
1. Remove power from the vending machine.  **DO NOT connect the changer harness to the vending machine with power connected.**
2. Remove the acceptor from the changer housing by pressing the Acceptor Release Latch (see Figure 1) to the right and then pull

- the escrow lever towards you, away from the changer housing.
3. Disconnect the acceptor's ribbon cable from the changer housing (see Figure 2). Lift the acceptor slightly to free the lower acceptor studs from the changer housing. Place the acceptor in a clean, dry area.
 4. Set the three mounting holes in the back of the changer housing over the mounting screws in the vending machine (see Figure 3). Tighten securely by hand.
 5. Re-install the acceptor by inserting the lower acceptor studs into the changer housing. Plug the acceptor ribbon cable into the changer housing. Press the top of the acceptor into the changer housing until the acceptor latch engages the changer housing.
 6. Verify the vendor's coin return mechanism is adjusted so that the Acceptor gate is fully closed. There should be a small gap between the coin return mechanism and the changer escrow lever.
 7. Plug the changer harness into the vending machine.
- STOP** **Verify steps 1 to 7 are completed correctly.**
8. Apply power to the vending machine.
 9. The changer will power up, perform an auto-test of all systems, then the display will alternate with two screens in steady state mode (See Figure 4).



Power Up Sequence

Figure 4 Typical User Display Messaging



Note: Some Guardian models may show different messaging.



Loading Coins

See Figure 5 for coin capacities.

10. Load coins into the changer the tubes using one of the following 2 options:

- **Using Swing Out Payout Cassette:**

Rotate the Payout Cassette Release Latch downward to open the coin Payout Cassette (See Figure 6). Pivot the Payout Cassette out of the changer housing to access the coin tubes (See Figure 7). Once the latch has been depressed, the Payout Cassette must be at least partially opened before it can be closed and reset properly. Fill the six coin tubes to the desired levels with the appropriate coins. Refer to the individual labels at the top of the tube to determine which coin denominations go in each tube.

Notes:

- **Make sure all coins lay flat in each tube and fill each coin tube to be used with at least 5 coins. Close the cassette.**
- **If you do not plan to use all 6 tubes, leave tubes installed and make sure to disable coin routing and coin level sensing for the tubes. Use MENU/SETUP/CASSETTE/CUSTOM and set unused tubes to “---”.**
 - **By Removing Cassette:** The cassette can also be lifted out of the changer for loading coins. Open the Payout Cassette and swing it out, then lift the Payout Cassette straight up to remove it (See Figure 8). Load coins as described above. Reinstall the Payout Cassette by first positioning it on the lower pin, then align the upper pin and lower the the cassette onto the hinge.

11. Pay out at least two coins from each tube to ensure proper operation. Press each coin tube Inventory Button (See Figure 9) to dispense coins.

12. Drop a variety of coins into the changer to ensure proper operation.

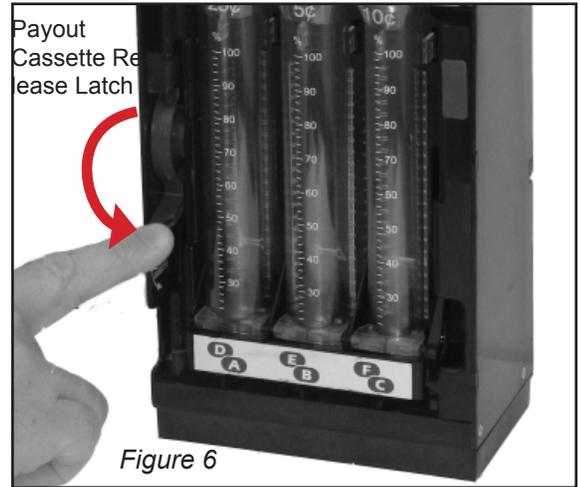


Figure 6

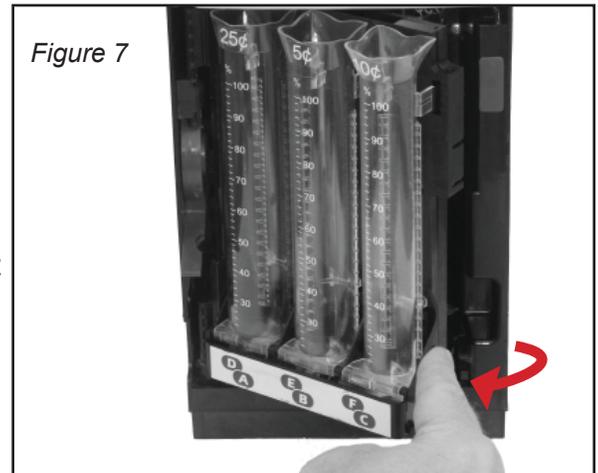


Figure 7

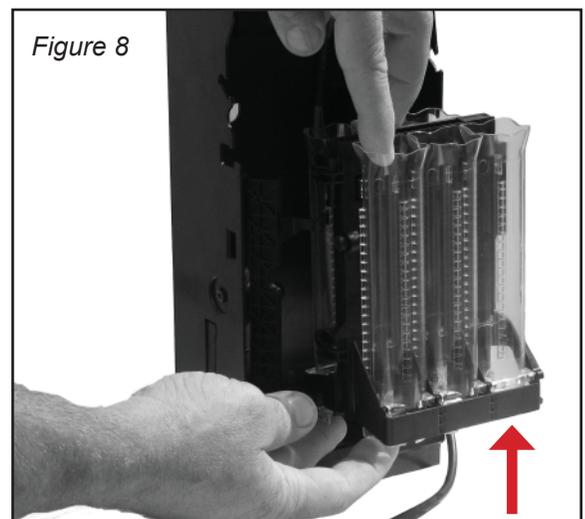


Figure 8

Coin Tube Capacities

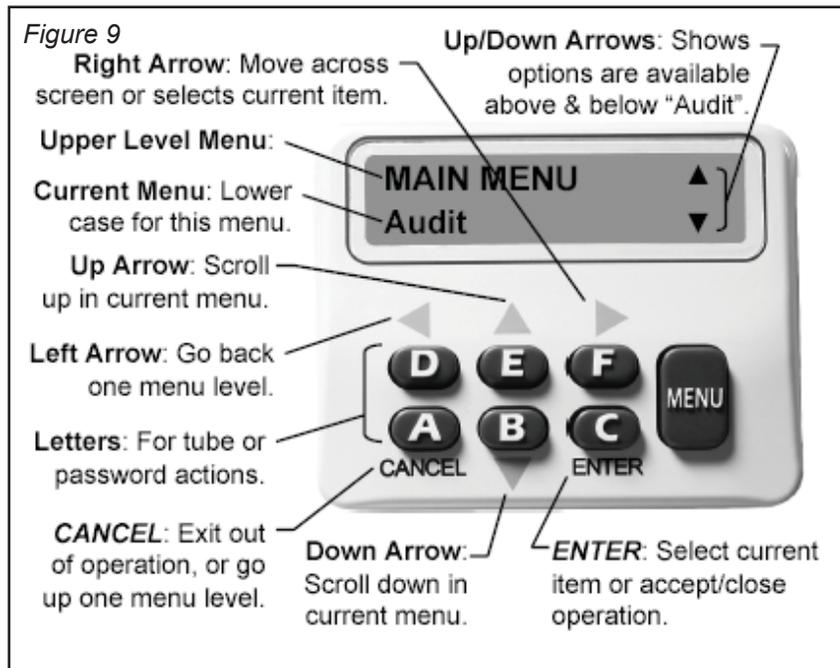
Figure 5

Country	Coin Type	Max Coin Count	
		Qty.	\$
US	5¢	80	\$4.00
	10¢	111	\$11.10
	25¢	81	\$20.25
	\$1	67	\$67.00
Canada	5¢	80	\$4.00
	10¢	121	\$12.10
	25¢	88	\$22.00
	\$1	68	\$68.00
	\$2	79	\$158.00

Setting Float (optional)

Float Mode records and maintains a predefined level of coins in the tubes, and typically will maintain a lower level of change in the changer than if Float mode is not used. When using Float mode, an accepted coin will only be routed to the tube if one has been paid out.

13. You can quickly **Enable Float** at the current coin levels by simultaneously pressing the keypad hotkeys **E+F**. Then press **ENTER** to accept the displayed Float Value.
 14. To disable or reset Float level, simultaneously press keypad hotkeys **D+F** to **Disable Float**. To reset Float, adjust the coin levels and repeat step 13 above.
- *Overfill Paydown automatically returns any coins that exceed the Float Mode level. Any coins added to the coin tubes after parring (refilling the coin tubes to the preset Float level setting), or adding coins prior to setting a higher Float level will result in these extra coins being sent to the coin return. See Step 14 above for how to Disable Float.*
 - *When enabling the float feature, the coin level sensing assumes a minimum of 5 coins per tube for all enabled tubes, even if no coins are loaded. To eliminate these "hidden coins", disable all unused tubes by entering MENU/SETUP/CASSETTE/CUSTOM and set unused tubes to "---".*



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