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Installation Guide

Optipay™ CC
A-66 Coin Changer

This document contains information for installing and configuring the Opti-pay™ A-66 Coin Changer. The A-66 is compatible with many different vending machine interfaces. The A-66 contains the following features:

- Reliable coin recognition
- Flexible float levels
- Flash memory technology for instant software updates
- Interface for Palm Pilot® or PC programming

- Simple LED diagnostics
- MDB interfacing
- $1 US coin payout
- On site token teaching (teach mode)
- Removable/Replaceable Cassettes

PRIMARY OPTIPAY™ CC COIN CHANGER COMPONENTS

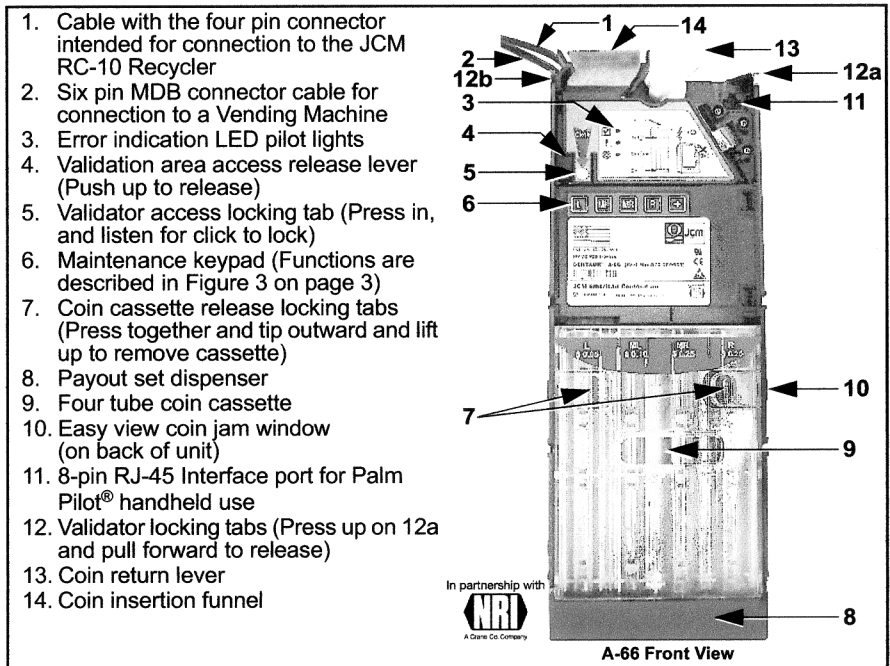Figure 1 illustrates the primary component parts of an A-66 Coin Changer.

1. Cable with the four pin connector intended for connection to the JCM RC-10 Recycler
2. Six pin MDB connector cable for connection to a Vending Machine
3. Error indication LED pilot lights
4. Validation area access release lever (Push up to release)
5. Validator access locking tab (Press in, and listen for click to lock)
6. Maintenance keypad (Functions are described in Figure 3 on page 3)
7. Coin cassette release locking tabs (Press together and tip outward and lift up to remove cassette)
8. Payout set dispenser
9. Four tube coin cassette
10. Easy view coin jam window (on back of unit)
11. 8-pin RJ-45 Interface port for Palm Pilot® handheld use
12. Validator locking tabs (Press up on 12a and pull forward to release)
13. Coin return lever
14. Coin insertion funnel

A-66 Front View

Figure 1 Primary A-66 Component Parts

■ 1 ■

INSTALLATION

⚠️ ⚠️	**Caution: Turn the equipment power OFF before removing or replacing any components!**

The following steps describe how to install the A-66 into a Vending Machine:

1. Disconnect the Vending Machine's main AC power plug.
2. Unlock [1], pull out [2] and remove the coin mechanism.
3. Hang the A-66 in the Vending Machine using the three mounting holes located on the back wall of the Coin Validator. Two holes are located at the top [3] and one is located at the bottom [4] (not shown. See Figure 2).
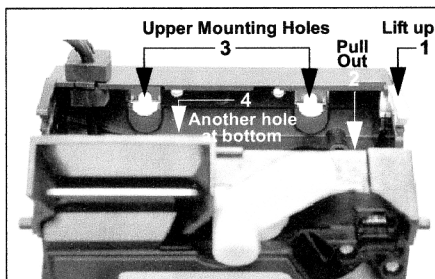4. Tighten the mounting screws and reinsert the coin mechanism.

Figure 2 Mounting Hole Locations

⚠️	**Caution: Tighten mounting screws until snug. DO NOT Overtighten!**

INITIAL OPERATION

FILLING CASSETTES

The following two methods can be used to fill cassettes using the Maintenance keys. The specific function of each key is described in Figure 3. Refer to the JCM A-66 Maintenance Manual (Part No. 960-000102) for detailed descriptions concerning the full use of these front panel keys if necessary:

Filling via the coin funnel

1. Press the [+] key once (See Figure 3 on page 3).
2. Insert coins into the Coin Insertion Funnel. When the filling process is complete, press the [+] key again to set the Coin Changer back into its normal operating mode.

☞ *NOTE: If the [+] key is not pressed after filling, the normal MDB communication mode will automatically return after approximately 40 seconds.*

Loading via the cassette

1. Remove the Coin Cassette and manually insert coins into the tubes.
2. Reinstall the cassette and press the [+] key twice to reset the coin counters.

☞ *NOTE: Cassettes can be pre-filled and replaced in the same manner.*

INITIATING A PRESET FLOAT LEVEL

The following method can be used to initiate a cassettes "Float Down" level:

1. Ensure the coin tubes are filled above the 50% sensor level of the cassette. These are the second set of sensors from the cassette's bottom.

2. Press the [+] key once.

3. Hold down any one of the four Maintenance Keys ([L], [ML], [MR], or [R]) for approximately five (5) seconds (See Figure 3). The related tube will automatically empty down to the preconfigured 50% float level.

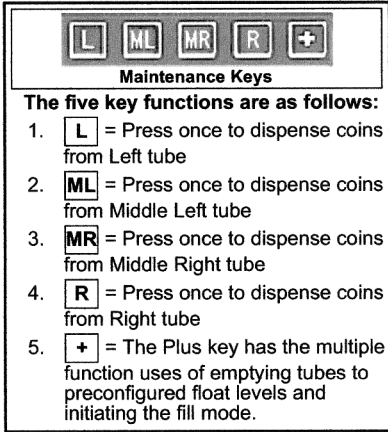4. Press the [+] key once and the A-66 will reset back to its normal operational mode upon vend completion.

Maintenance Keys

The five key functions are as follows:

1. [L] = Press once to dispense coins from Left tube

2. [ML] = Press once to dispense coins from Middle Left tube

3. [MR] = Press once to dispense coins from Middle Right tube

4. [R] = Press once to dispense coins from Right tube

5. [+] = The Plus key has the multiple function uses of emptying tubes to preconfigured float levels and initiating the fill mode.

Figure 3 Maintenance Key Functions

ERROR CODE INDICATORS

Table 1 in Figure 4 lists the LED flash Error Code definitions displayed by the A-66 Coin Changer's front panel LED indicators when a fault condition occurs.
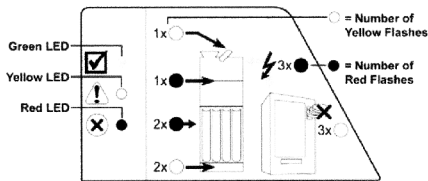

Table 1 Error Code Flash Indications

LED/LEDs	Condition	Error
Green	Lit	Coin Changer operational
Green	Flashing	Filling level mode activated
Green & Yellow	Both Lit	Coin inserted was inhibited by the Vending Machine
Yellow	One Flash	Return lever pressed
Yellow	Two Flashes	Coins stuck in payout area
Yellow	Three Flashes	Coin Changer inhibited by the Vending Machine
Yellow	Four Flashes	Communication Failure to Recycler
Red	One Flash	Error in upper portion of the Coin Validator
Red	Two Flashes	Error in lower cassette/changer unit
Red	Three Flashes	Vending machine no longer communicating with the Coin Changer (i.e., no communication occurred for 2 seconds)

Figure 4 A-66 Coin Changer Front Panel LED Indicator Flash Definitions

Table 2 lists various U. S. coin thickness vs. the related cassette tube's carrying capacity at different fill levels.

Table 2 United States Coin Cassette Capacity

$Coin Value	Thickness (cm)	Coin Count @ 100% Level	Empty	@ 50%	@ 75%
0.5	1.87	78	10	39	59
0.10	1.3	112	14	56	85
0.25	1.67	87	11	44	66
1.00	2.0	73	9	36	55

OPERATIONAL CHECK

Once the unit is installed perform the following steps to ensure the A-66 is properly communicating with the Vending Machine's Controller (VMC).

1. Make sure the A-66 Green LED is lit (ON) at the front panel.
2. Insert coins through coin slot funnel and ensure the coin values register by observing the machine's front panel LEDs.
3. Press the coin return to remove the generated machine credits.

If interconnection of an A-66 to a DBV-301 and optional RC-10 Optipay™ family unit are required, refer to the Optipay™ System Interconnection Guide (Part No. 960-000114) to ensure a proper installation.

If further detailed instruction is necessary, refer to the primary A-66 Service Manual (Part No. 960-000102).

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