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Optipay™ Systems

DBV-301 to RC-10 to A-66

This document contains information for interconnecting and performing the operational verifications on the entire Optipay™ System installation. The Optipay™ System contains the following features:

- Last bill (banknote) in; first bill out operation
- MDB Vending Machine bill recycling
- High security magnetic and optical sensing
- A 300 bill Cash Box
- Easy Flash downloading, programming, diagnostics and data retrieval using a JCM application loaded Palm Pilot® handheld
- A modular add-on Recycling unit
- Easy token programming

PRIMARY OPTIPAY™ SYSTEM COMPONENTS

Figure 1 illustrates the primary component parts of an Optipay™ System.



NOTE: The RC-10 Recycler can only be used with the DBV-301 Bill Validator and an A-66 Coin Changer!

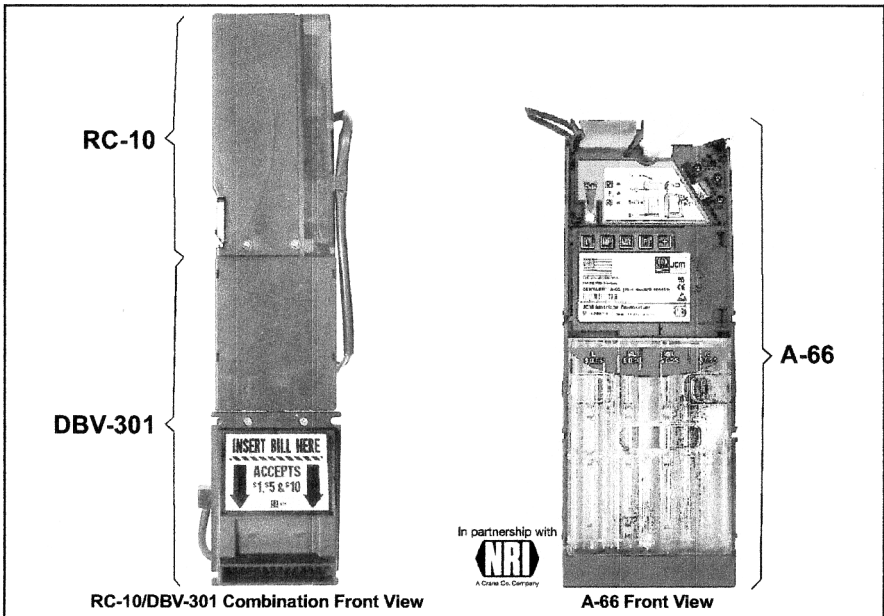
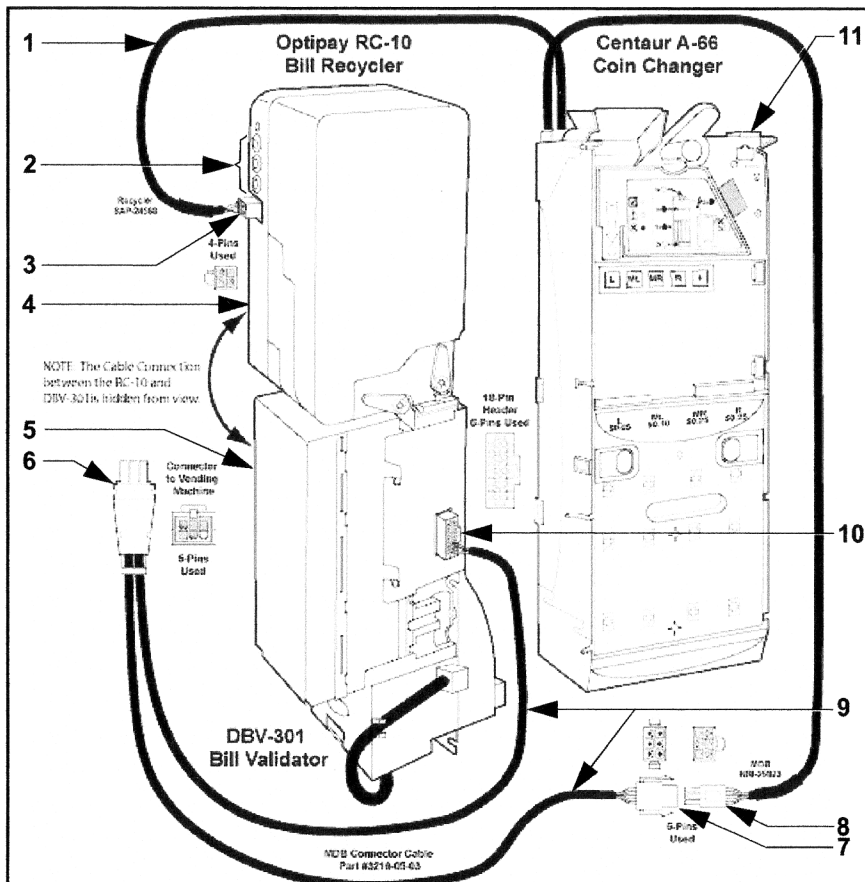


Figure 1 Primary Optipay™ System Component Parts

INTERCONNECTION

Figure 2 illustrates the proper connection of a DBV-301 to an RC-10 and A-66.



1. Recycler Cable from the A-66 Top Right Port

NOTE: a 24 inch extension cable is also available. (Part No. Q/N 400-100187)

2. 4-Pin Recycler Plug (SAP-24568)
3. RC-10 Bill Recycler
4. DBV-301 Bill Validator
5. 6-Pin Connector to Vending Machine (5-Pins used)
6. Female 6-Pin Receptacle
7. MDB Cable Plug from the A-66 Top Left Port
8. MDB Connector Cable Assembly (Part No. 3210-05-03)
9. 18-Pin Header Plug (6-Pins Used)
10. A-66 Coin Changer



** NOTE: The DBV-301 to RC-10 communications cable is not shown. Refer to Optipay™ RC Installation Guide Part No. 960-000107 for cabling illustration.*

Figure 2 JCM Optipay™ System Equipment Interconnection

OPERATIONAL CHECKS

Tables 1-4 consecutively outline a step-by-step system installation procedure.

Table 1 Installing the DBV-301 Bill Validator

Step	Optipay™ BV Installation Instructions	In DBV-301 Guide
1	Set the Validator DIP Switches to their appropriate default settings on the Large (Upper) DIP Switch Block.	See Figure 3
2	Ensure that the all 8 DIP Switches on the Small (Lower) DIP Switch Block are set to OFF (The default setting).	See Figure 3
3	Install the Validator Cash Box.	See Figure 4
4	Connect the male 18 Pin Connector of the MDB "Y" Interface Cable to the Validator prior to installing the unit.	See Figure 2 [9] of <u>this</u> Guide
5	Install the Validator/RC-10 combination assembly into the Vending Machine.	See Figure 2 [a&b]*

*NOTE: Utilize these instructions only if a particular Vendor's mounting kit is not required.

Table 2 Installing the RC-10 Recycler onto the Bill Validator

Step	Optipay™ RC Installation Instructions	In RC-10 Guide
1	Install the RC-10 onto the DBV-301 Validator.	See Figure 2
2	Connect the RC-10 16-pin Communications Cable to the Validator.	See Figure 2 cabling inset
3*	Set the 4 RC-10 DIP Switches to their appropriate default settings as follows: a) Turn all DIP Switches off to recycle \$1 Bills b) Turn DIP Switch 1 ON, and DIP Switches 2 through 4 OFF to recycle \$5 Bills.	See Figure 3

*NOTE: If these settings do not provide the expected results, refer to the software specifications currently listed for use with your DBV-301 at the JCM website (www.jcm-american.com).

Table 3 Installing the A-66 Coin Changer

Step	Optipay™ CC Installation Instructions	In Related Guide
1	Install the A-66 Coin Changer into the Vending Machine and snug tighten the mounting screws to securely fasten it to the door.	See Figure 2 in A-66 Guide
2	Connect the Coin Changer's 6-pin female MDB Communication Cable connector to the Validator's male MDB "Y" cable connector.	See Figure 2 [7&8] of <u>this</u> Guide
3	Connect the Coin Changer's 4-pin female RC-10 Communication Cable connector to the RC-10's male receptacle.	See Figure 2 [1&3] of <u>this</u> Guide

Table 3 Installing the A-66 Coin Changer (Continued)

Step	Optipay™ CC Installation Instructions	In Related Guide
4	Fill the A-66 Changer with Coins.	See "Filling Cassettes" on page 2 of the A-66 Guide

Having installed the three pieces of system equipment, and interconnected all of the harnessing, energize (Power-up) the Vending Machine, and allow the machine adequate time for the VMC electronics to enable the payment system.

Table 4 System Energizing (Power-Up) Procedure

Step	Instruction	In Related Guide
1	Check the DBV-301 Bill Validator's LED fault indicators for potential error conditions	See Figure 6 in DBV-301 Guide
2	Check the RC-10 Recycler's LED fault indicators for potential error conditions	See Table 1 in RC-10 Guide
3	Check the A-66 Coin Changer's LED fault indicators for potential error conditions	See Figure 4 in A-66 Guide
4	Press the Coin Changer's Plus <input type="checkbox"/> Keypad button twice (2 times) - this will force the A-66 Changer to update its cassette coin inventory levels. This should also be done every time a manual fill occurs.	See Figure 3 in A-66 Guide

System Installation is now complete. For complete set-up and individual unit installation procedures, refer to the individual product reference manual part numbers listed in Table 5.

Table 5 Optipay™ System Reference Manual Part Numbers

Reference	DBV-301	RC-10	A-66
Installation Guide	960-000106	960-000107	960-000105
Maintenance Manual	960-000103	960-000104	960-000102

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