



# DN5000 Retrofit Kit

## Optipay™ CC, BV & RC into a DN5000 Machine

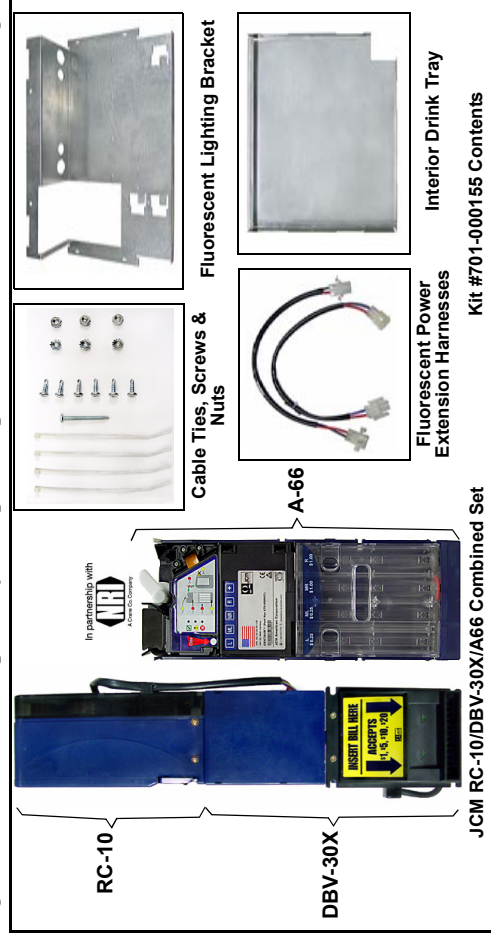
This document contains information for installing and configuring the JCM Optipay™ A-66 Coin Changer, DBV-30X Bill Validator and RC-10 Bill Recycler kit into a DN5000 Vending Machine. The DN5000 Retrofit Kit includes the following components and support guides:

- 1- Installation Kit (Part No: 701-000155) containing:
  - 1- Fluorescent Lighting Bracket
  - 1- Interior Drink Tray
  - 2- Fluorescent Extension Harnesses (new & old style)
  - 6- #8-32 K-Lock Nuts
  - 6- #8-32 Self Tapping Machine Screws
  - 1- #8-32 x 1 1/2" Machine Screw
  - 4- 4 inch Plastic Cable Ties
  - 1- Retrofit Guide (Part No: 960-000123)
- Tool Requirements
  - 1- 11/32" Deep Well Nut Driver
  - 1- #2 Phillips Screwdriver
  - 1- Power Cutting Tool with a Cutting Disk
  - 1- Metal Cutting File
  - 1- Pair Needle Nose Pliers with Wire Cutters
  - 1- Exacto® Knife or Box Cutter

Optipay™ CC Installation Guide (JCM Part No. 960-000105 Rev. 2 or greater)  
 Optipay™ BV Installation Guide (JCM Part No. 960-000106 Rev. 3 or greater)  
 Optipay™ RC Installation Guide (JCM Part No. 960-000107 Rev. 3 or greater)  
 Optipay™ System Interconnection Guide (JCM Part No. 960-000114 Rev. A or greater)

### PRIMARY JCM OPTIPAY™ CC, BV & RC RETROFIT COMPONENTS

Figure 1 illustrates the primary component parts of a DN5000 Retrofit Package.



**Figure 1** Primary JCM DN5000 Retrofit Kit Component Parts

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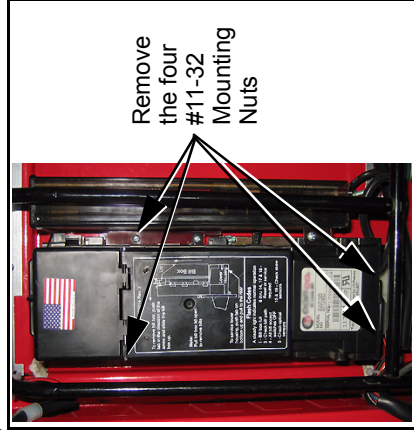


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## INSTALLATION STEPS

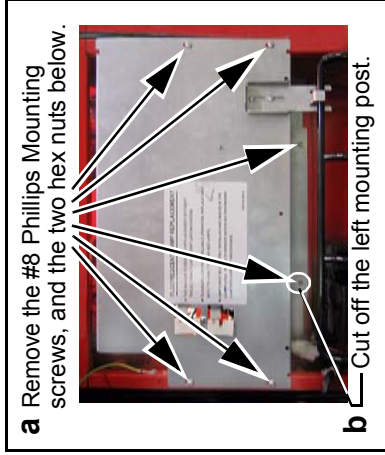
Use the following steps to install the various JCM components into a DN5000 Vending Machine:

1. Remove the existing Bill Validator using the 11/32" Nut Driver (See Figure 2).
2. Remove the existing Fluorescent Lighting Assembly by extracting the four #8 Phillips screws and the two hex nuts located at the bottom of the panel. (See Figure 3 a)



Remove the four #11-32 Mounting Nuts

**Figure 2 Existing BV Removal**

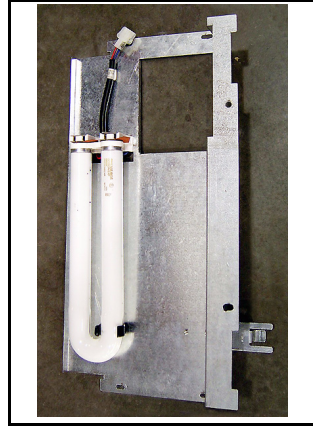


**a** Remove the #8 Phillips Mounting screws, and the two hex nuts below.

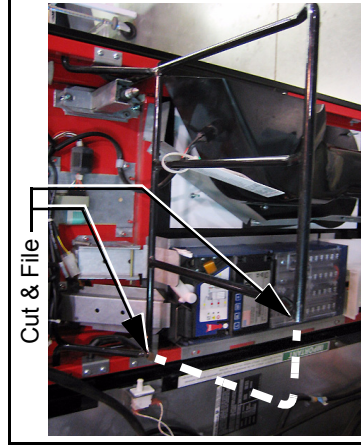
**b** Cut off the left mounting post.

**Figure 3 Old Fluorescent Assembly Removal**

3. To provide clearance for the Optipay™ RC-10, cut off the # 8-32 post closest to the Bill Validator using the Power Cutting Tool. (See Figure 3 b).
4. Remove the Fluorescent Bulb Assembly and latch from the original bracket, transfer them to the new bracket, and reinstall the assembly into the machine's service door (See Figure 4).
5. Cut the door Drink Tray Bar as shown in Figure 5, and file off all sharp edges on the remaining cut ends with the Metal File.



**Figure 4 Reinstalled Fluorescent Bulb on New Bracket**



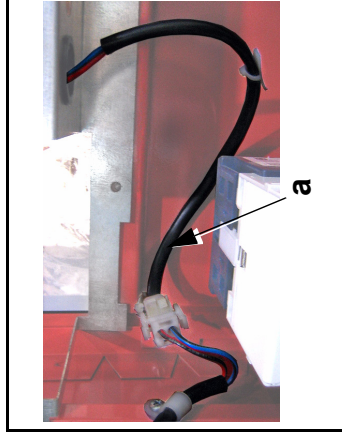
Cut & File

**Figure 5 Cutting Drink Tray Bar**

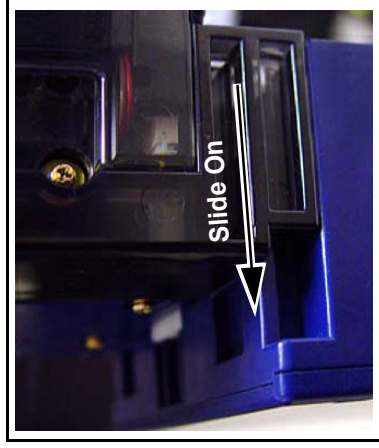
**PERSONAL NOTES AND COMMENT AREA**

Write any pertinent notes or comments regarding your particular installation here.

6. Install the appropriate Fluorescent Power Extension Harness (See Figure 6 a).
7. Install the Optipay™ RC-10 module onto the Optipay™ DBV-30X Bill Acceptor (See Figure 7).




**Figure 6** Fluorescent Extension Harness Connection

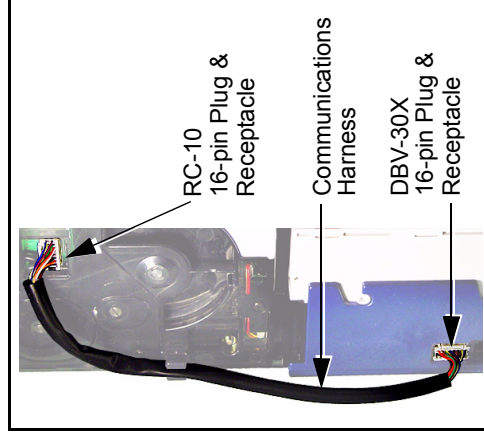


**Figure 7** Installing RC onto BV

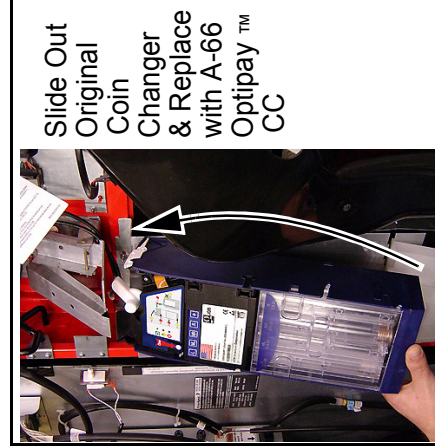
8. Connect the Optipay™ RC-10 Communication Harness to the Optipay™ DBV-30X 16-pin receptacle (See Figure 8).

 **NOTE:** Set all DIP Switches to their appropriate settings as described in the related JCM equipment's installation guides.

9. Remove the existing Coin Changer, and install the Centaur Optipay™ CC Coin Changer (See Figure 9).

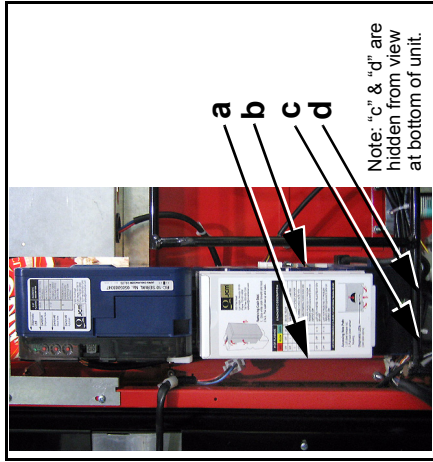


**Figure 8** Connect RC to BV Harness

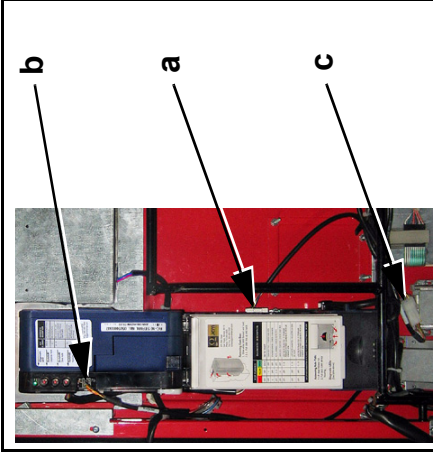


**Figure 9** Changer Replacement

10. Install the combined Optipay™ BV - RC unit into the machine using the #8 hex nuts provided in the installation kit (See Figure 10 a, b, c & d).
11. Connect the multipin MDB Communication Harness connector into the Optipay™ BV mating receptacle (See Figure 11 a).

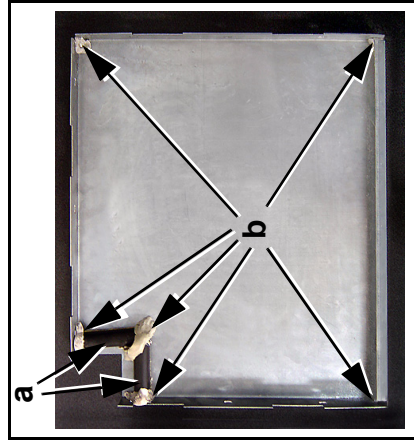


**Figure 10** Mounting BV/RC Combo

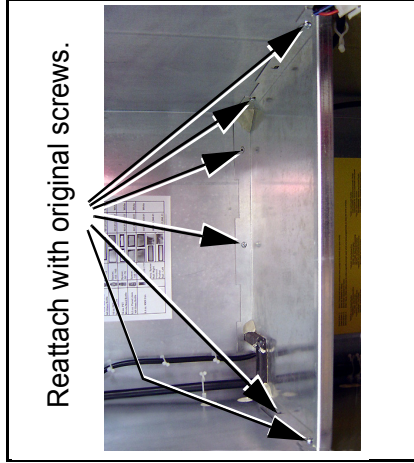


**Figure 11** Interconnecting Units

12. Connect the 4-pin Molex Optipay™ CC Communications Connector into the Optipay™ RC mating receptacle (See Figure 11 b).
13. Connect the 6-pin Molex Optipay™ CC Communications Connector into the inline MDB Harness mating connector (See Figure 11 c).
14. Remove the interior Drink Tray and transfer the spill gaskets (See Figure 12 a), and existing plumbers putty (See Figure 12 b) onto the new tray.
15. Install the new modified Drink Tray back into the machine (See Figure 13).



**Figure 12** Plugging Drink Tray



**Figure 13** Tray Replacement

16. Double check all equipment connections and apply power to the Vending Machine.


17. Using the 4 inch plastic cable ties, secure the interconnecting RC & BV wire harnesses to the frame.
18. Fill the Optipay™ CC Coin Changer with the correct denominations of coins (See Figure 14).



**Figure 14** Filling the Optipay CC



**Figure 15** Optipay™ CC Keypad

19. Press the Plus  Keypad Button the Coin Changer twice (2 times) to reset the coin counters (See Figure 15).
20. Insert a variety of bills and coins into the Optipay™ BV and CC to determine if the entire JCM Optipay™ Payment System is operating properly.

## OPERATIONAL CHECKS

### RETROFIT INSTALLATION OPERATIONAL CHECK

Follow the final operational checks outlined in the respective Optipay™ product Installation Guides.

If further detailed instruction is necessary, refer to the related primary service manual for each of the component parts of this system interconnection, or call JCM Commercial Technical Support for additional instruction.




# GUIDE PRINTING NOTICE

## GUIDE LAYOUT

*This Guide is designed as a double sided, Saddle-stitched, Landscape page formatted for printing on a monochrome or color printer.*

**NOTE:** These instructions are specific for a Cannon 3220 Series Color Printer, but with trial and error these settings can apply to any printer.

To print, set your printer as follows:

1. Select Page Setup/Page size = LETTER
2. Select Page Setup/Output Size = LETTER
3. Select COLOR or Black & White (Monochrome) by clicking on :  symbol.
4. Select LANDSCAPE mode.
5. Select Page Setup/Page Layout = 1 Page per Sheet
6. Select Finishing/2-sided Printing or click 
7. Select Finishing/Short Edge (Left) formatting. 
8. Select Finishing/Collate
9. Select Page Setup/number of copies.
10. Select Print Pages from 1 to X, where X = max pages minus 1 (i.e., delete this page).
11. Print.

**NOTE:** This Guide may also exist as a single 5.5” x 8.5” PDF page laid out to print on a standard 8.5” x 11” Portrait page for the users convenience. Check for a “Web” file name extension at the beginning of the products file name to identify this formatting style.