

3330 Dixie-Narco Blvd.

Williston, SC 29853

www.dixienarco.com

M109.2

BevMax 4 LED Lighting Kit

Revised 10/20/10

**Models Affected:** All DN5800 BevMax 4 Model Venders.**Reason:** To provide installation instructions to install the LED Lighting Kit in BevMax 4 venders with fluorescent lighting**Order:** 657,012,00x.x3

BevMax 4 Field Upgrade LED Kit

Contents:

- 1 – 657,011,60x.x3
- 1 – 657,011,70x.x3
- 1 – 657,011,80x.x3
- 1 – 804,928,86x.x1
- 1 – 80480145
- 1 – M109.x

- LED Upper Lighting Assembly
- 2 LED Lighting Lamp Assembly
- LED Power Module Assembly
- Harness Relay Extension BM4 with LED's
- JST Connector, 2 pin (empty)
- Installation Instructions



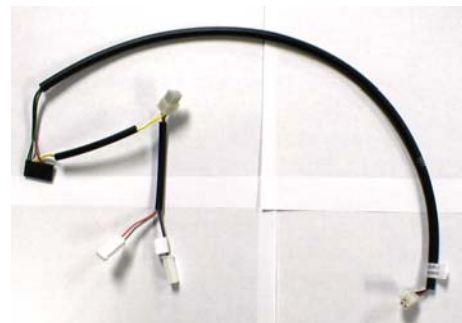
LED Power Module Assembly
Figure 1



Upper LED Lighting Assembly
Figure 2



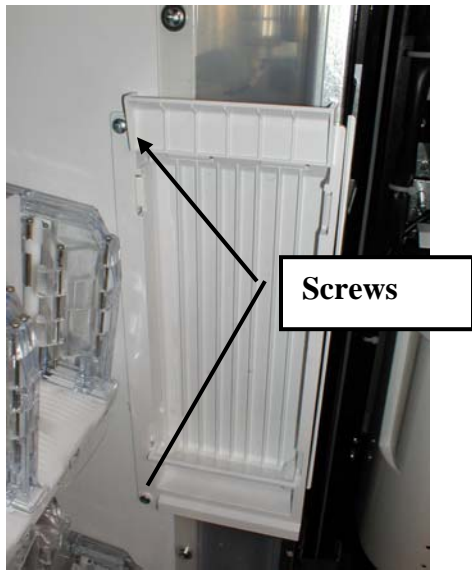
Side LED Lighting Assembly
Figure 3



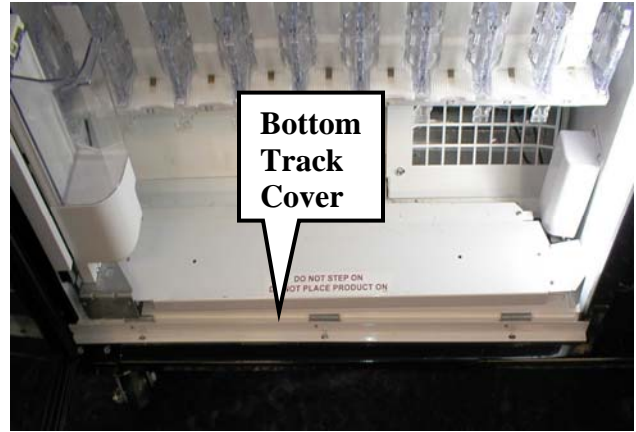
Relay Extension Harness
Figure 4

Installation instructions:

- 1. Switch the power to the machine off or unplug the power cord before installing this kit.**
- 2. Remove the current fluorescent lighting assemblies from the vender.**
 - a. Remove and store the Perma gum (putty) from the lighting harness access holes in the cabinet wall.
 - b. Disconnect all existing lighting harness connections from the current power supply
 - c. Unplug the lighting harnesses from the ballast and put them through the access holes into the product side of the wall. With the harness disconnected you can now remove the ballast assemblies from the service area by removing the screws.
 - d. Remove the delivery door and frame assembly by removing the two Philips screws (shown in Fig. 5) and unsnapping the frame. Set aside for reuse.
 - e. Remove the bottom track cover (Fig.6)
 - f. Remove the upper and lower vertical lamp lens from the right wall. (Fig. 7 and Fig. 8)
 - g. Remove the 3 fluorescent bulbs from the existing upper and vertical lamp assemblies.
 - h. Unscrew the mounting screws that hold the vertical fluorescent lamp assemblies in place and remove the lamp assemblies.
 - i. Unscrew the 6 mounting screws that are holding the upper lamp assembly to the cabinet and remove the lamp assembly.
 - j. Be sure to dispose of old fluorescent bulbs properly.
- 3. Install the LED Lighting Assemblies**
 - a. Utilizing the original mounting screws, and mounting holes that held the upper lamp assembly in place. Position and secure the LED Upper Lamp Assembly to the top of the interior cabinet. (Fig. 9)
 - b. Route the two wire harness through the wiring access hole located in the upper right wall.
 - c. Loosely install the two vertical LED Lamp Assemblies into the channels in the right wall. Route the wire harness that links the two lamp assemblies around the port opening. Route the wire harness at the top through the harness access hole located in the top of the upper channel.
 - d. Using the screws and mounting holes that held the vertical fluorescent lamps, secure the LED Lamp Assemblies.
 - e. Check all 3 LED Bulbs to be sure the LED's are facing outward towards the product area.
 - f. Re-install the two vertical lamp lens and secure with the original fasteners (Fig. 7 and Fig. 8)
 - g. Re-install the port frame and door assembly (Fig. 5) (Insure the lighting harness in out of the way before snapping the frame together.
 - h. Re-install the lower track cover and fasten securely in place (Fig. 6)



**Port Door and Frame
Figure 5**



**Bottom Track Cover
Figure 6**



**Upper Lamp Lens
Figure 7**



**Lower Lamp
Figure 8**



**Upper LED Lamp Assembly
Figure 9**

4. Make the connections

- a. Remove the existing relay harness from the P7 location on the control board (Fig. 12) and unplug it from the AC Power Supply box. (Fig. 11)
- b. Connect the Relay extension harness provided in the kit (shown in figure 10) to the P7 connector on the controller (Fig. 12) and the 4 pin Relay connection on the AC Power Supply Box. (Fig.11)

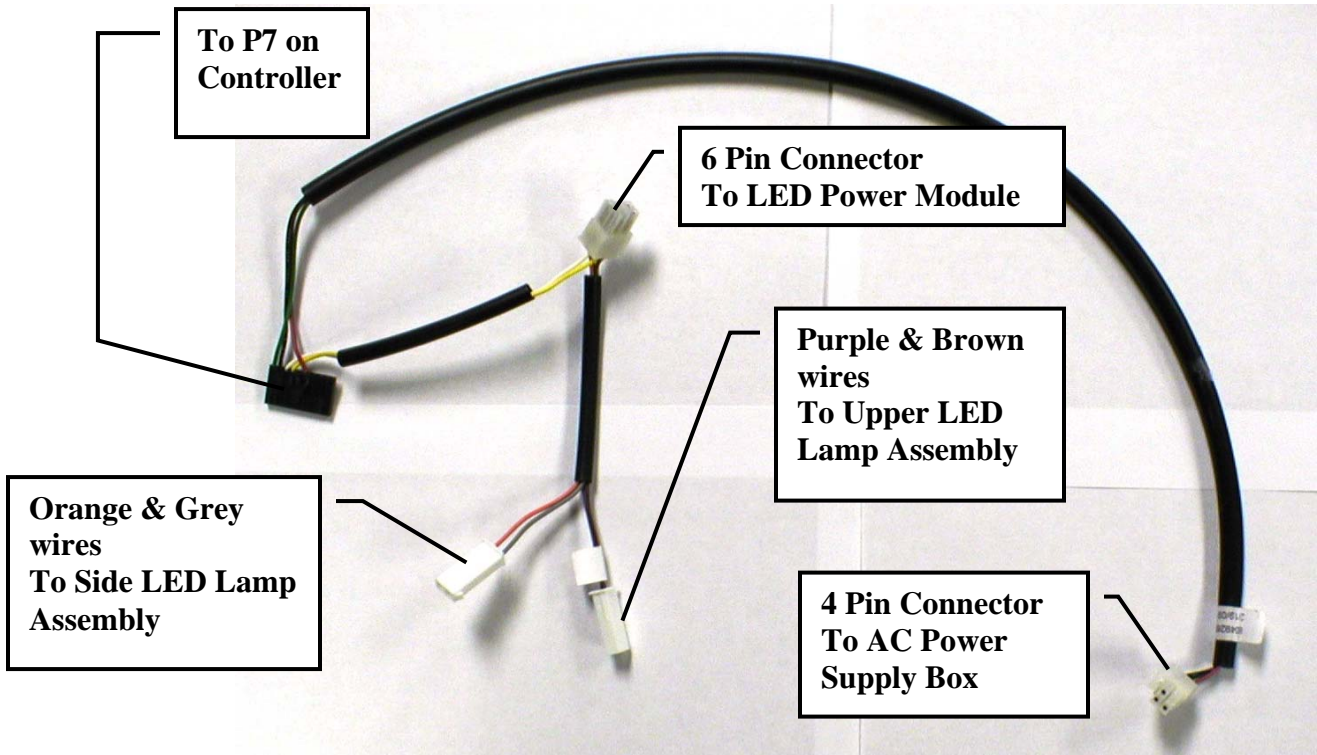


Figure 10



Figure 11

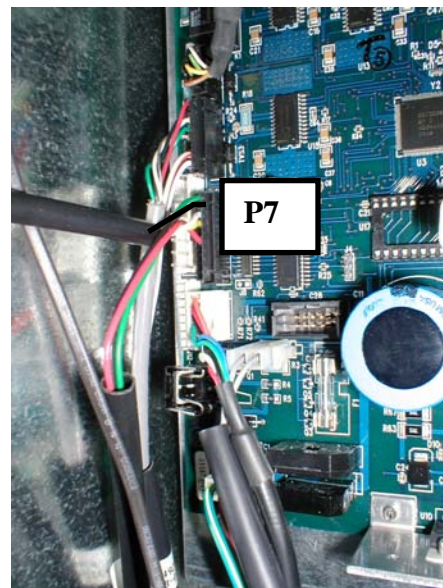
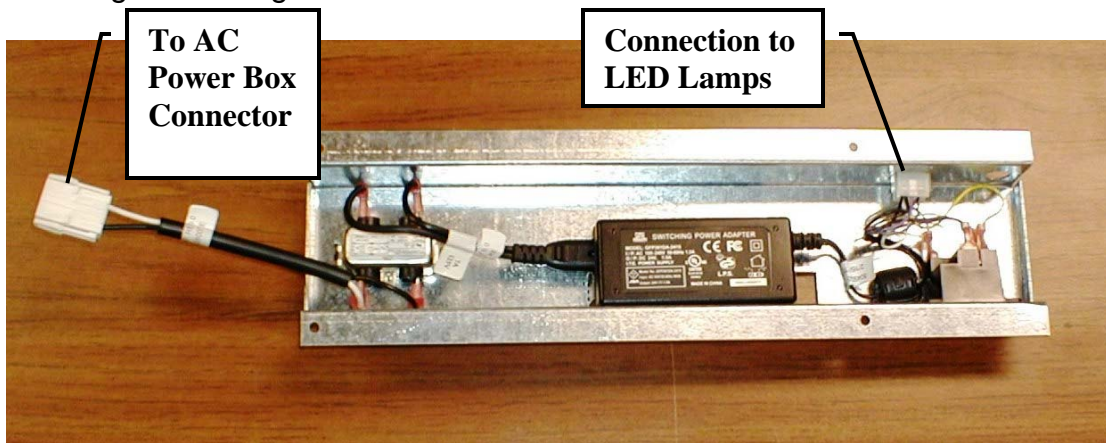


Figure 12

5. Install the Power Module

- a. Connect the 6 pin connector of the Relay extension harness (shown in figure 10) to the 6 pin receptacle located on the side of the LED Power Module (shown in Fig 13).
- b. Position the LED Power Module Assembly on the left wall in front of the Controller and mark the four mounting holes with a pencil or marker. Using the mars pre drill the 4 mounting holes. You will have to use a right angle power driver to drill and secure the LED Power Module to the wall.
- c. Secure the LED Power Module to the wall.
- d. Connect the LED Lamp harness connections as shown in (Fig. 10 and 14).
- e. Connect the harness connection extending from the bottom of the LED Power Module to the AC Power Box connector, shown in (Fig. 15).
- f. Route the wiring through the harness ties on the cabinet wall.
- g. Reinsert the Perma Gum that was removed in step 2a, in the Light harness Access holes
- h. Turn the power back on. In programming go to the light relay test to ensure the LED Lights are working correctly. Note: the top light should stay on and the side lights should go off during the test.



**LED Power Module Assembly
Figure 13**

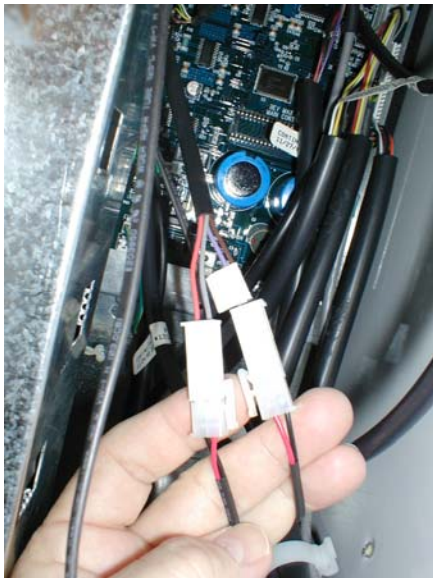


Figure 14



Figure 15

6. Locate the 2 pin JST connector on the Interior Power Harness (Fig. 16).



JST Connector
Interior Power
Harness

Empty 2 pin
JST Connector

Figure 16

7. Plug the empty 2 pin JST Connector 80480145 (Fig. 17) provided in the kit to the 2 pin JST Connector on the Interior Power Harness (Fig. 18).



Figure 17



Figure 18