

CRANE



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## M102.0 Installation of New Vend Sensor Kit P-Series

**September 30, 2009**

**Models Affected:** All P-Series

**Reason:** Original vend sensor has reached end of life and current inventory levels are depleted. These instructions are to provide installation instructions for mounting the New Vend Sensor Kit in Narrow and Wide P-Series Venders in place of the original Vend Sensor.

**Order As:** 65107100 P Series New Vend Sensor Kit

The view below is the parts of the kit. The Housing, Cover and Bracket are assembled for protection during shipping.

- 1 - CR0002214                      Sensor Housing
- 1 - 804,929,10x.x1                Sensor Board Assy.
- 1 - 63907104                        Vend Sensor Housing Mount Plate
- 5 - 801,100,81x.x1                Rivet, 1/8
- 1 – M102.x                          Instructions, Installation of New Vend Sensor



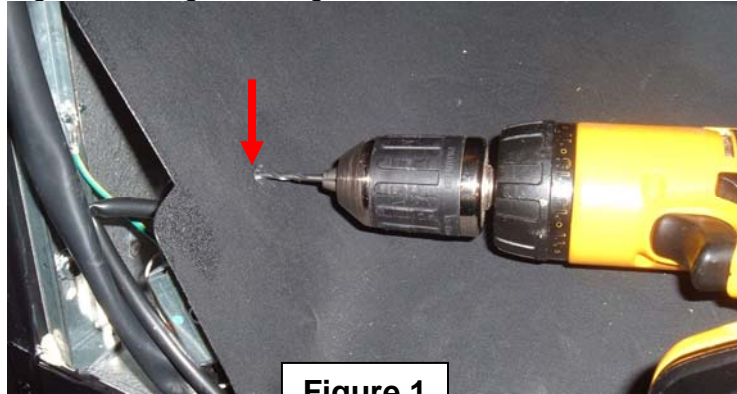
**Tools Required:** Drill, Drill Bit (#29 or 0.136" or 3.454 mm or 9/64"), Rivet Gun, Needle Nose Pliers, Di-Electric Grease, and Electronics Contact Cleaner.

### **Safety Precautions!**

Please read these instructions in their entirety before proceeding. Insure that the Electrical Power is disconnected from the Vending Machine by removing Plug on the end of the Vending Machine Power Cord from the wall outlet. Remember use caution working with the Can/Bottle Chute parts. These parts may have sharp edges and corners. Failure to comply with these instructions could result in injury or electrical shock, which can be serious or fatal.

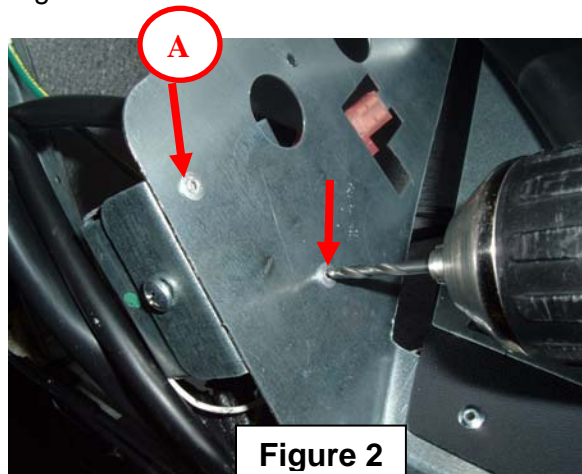
**Installation:**

1. Remove electrical power by disconnecting the Main Power Cord from the Wall Outlet.
2. Remove Rivet securing the Black Kydex Liner to the chute on the left side. Be careful not to drill in to any existing harnessing. See Figure 1.



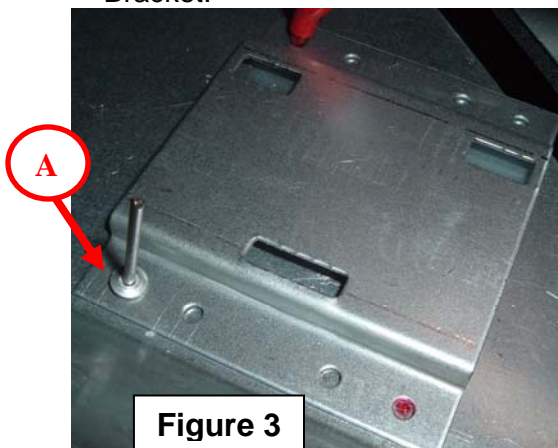
**Figure 1**

3. Lift Black Kydex Liner.
4. Remove Rivets attaching current Vend Sensor to the metal chute. See Figure 2.

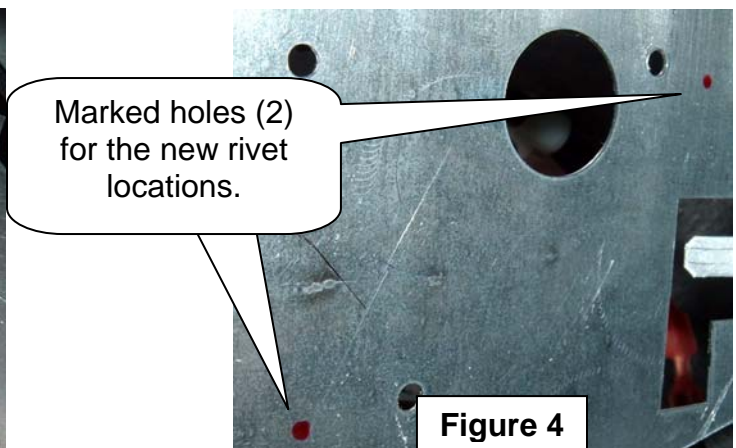


**Figure 2**

5. Disconnect current Vend Sensor wire connections.
6. Using the New Vend Sensor Bracket (63907104) as a template, place the New Vend Sensor Bracket on the top of the metal chute. Use the existing rivet hole "A" in Figure 2 as a locator to position bracket on chute. Mark the new holes using an awl or magic marker. See Figure 3. Figure 4 shows the new hole locations which will be used for mounting the New Vend Sensor Bracket.

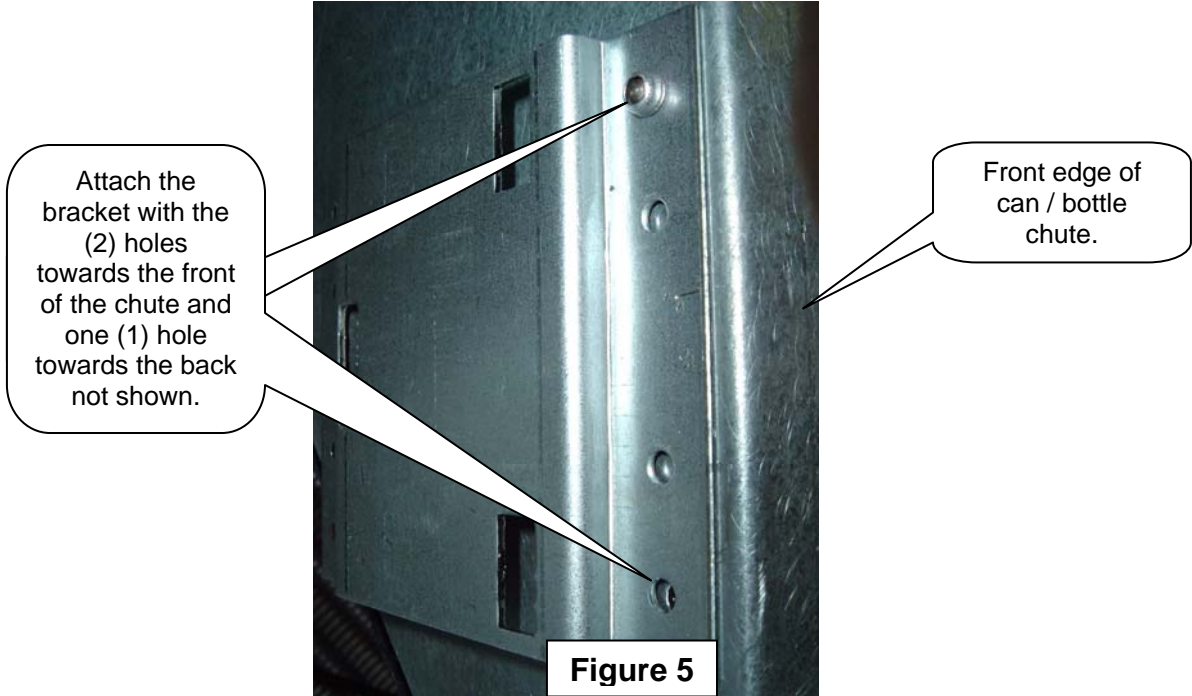


**Figure 3**

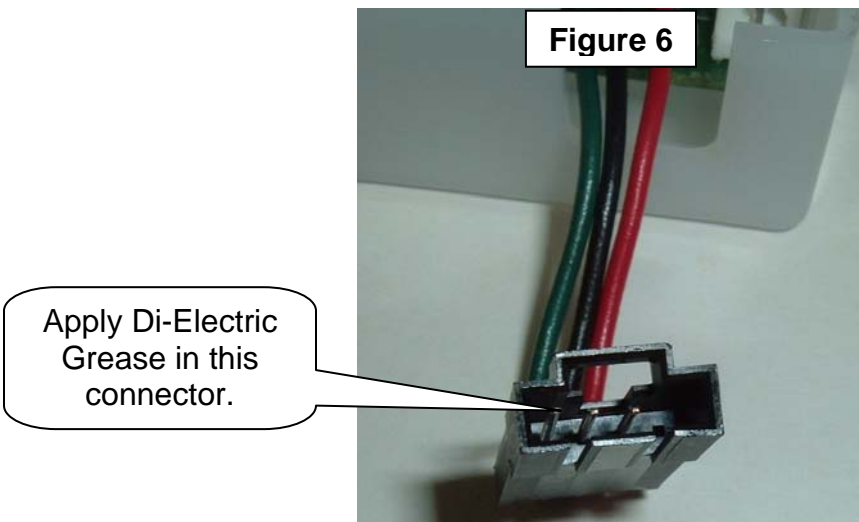


**Figure 4**

7. Drill the new hole locations (2) marked in Figure 4 on the previous page.
8. Attach New Vend Sensor Bracket (63907104) on the under side of the can chute using (3) Rivets (801,100,81x.x1). See Figure 5 below.

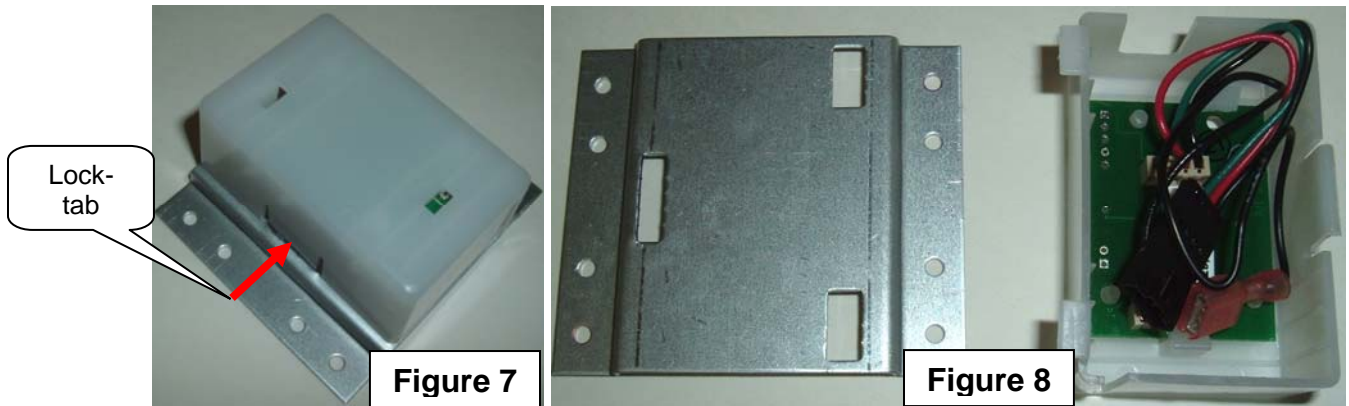


9. Clean the 4 Pin Plug with Electronics Contact Cleaner.
10. Apply a small bead of Di-Electric Grease on the pins of the 4 Pin Socket of the New Vend Sensor. See Figure 6 below.

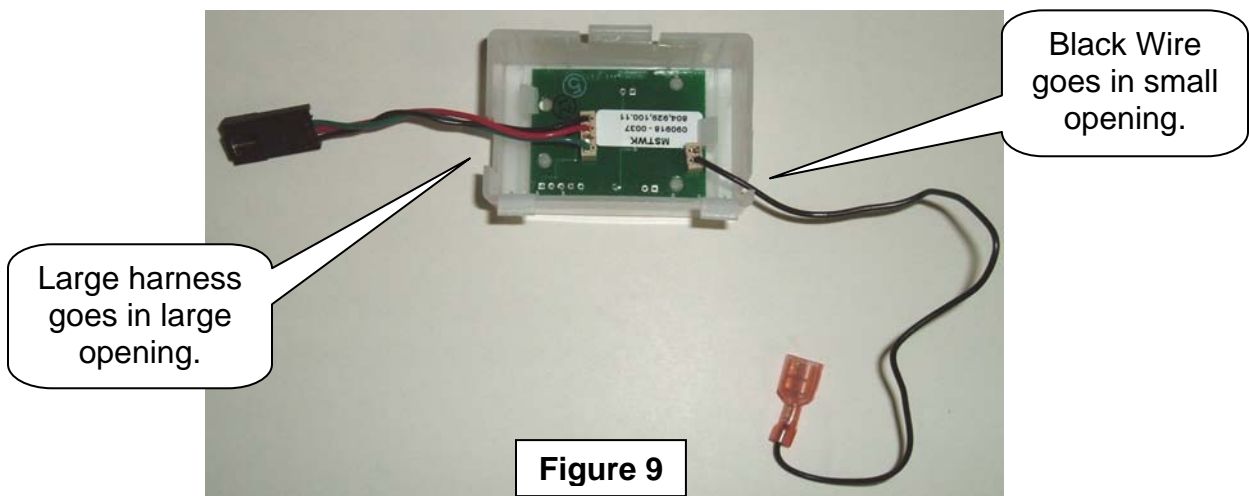


11. **Assembly of the New Vend Sensor:**

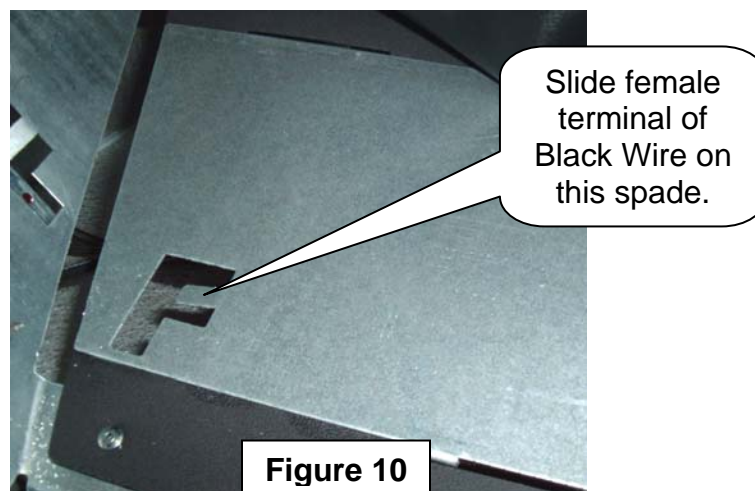
a) Remove Cover Assembly from bracket by pressing lock-tab. See Figures 7 and 8.



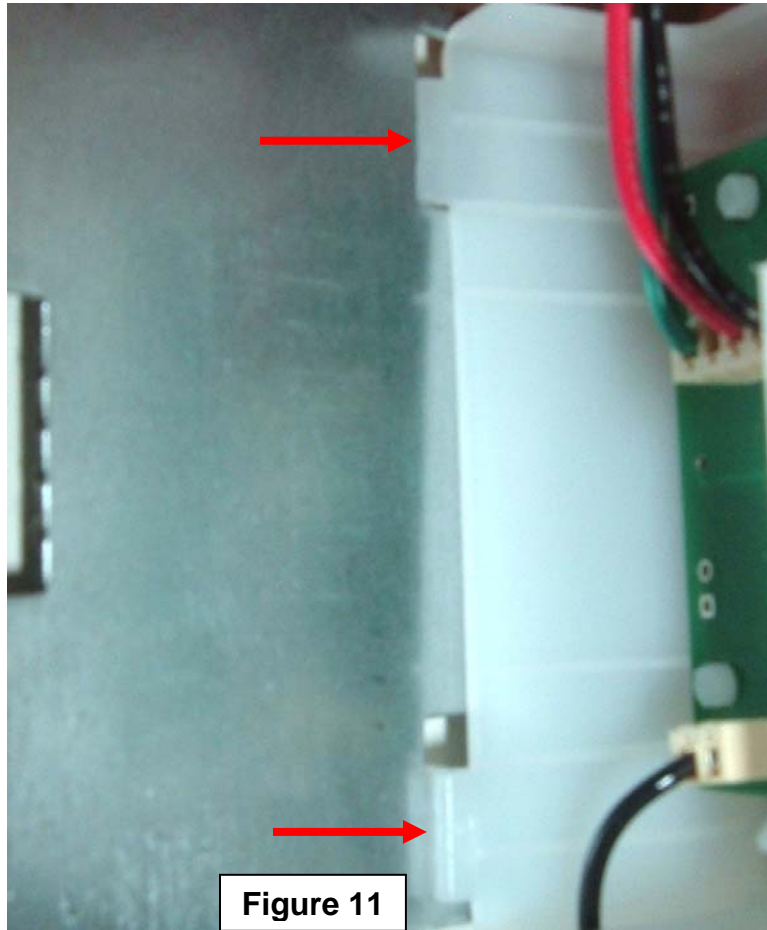
b) Route harnesses through slots of cover. See Figure 9.



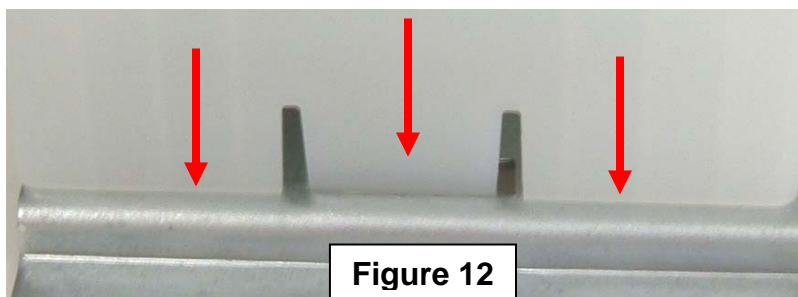
12. Connect New Vend Sensor wire connections. Make sure that the Black Wire is attached to the Vend Sensor Plate. See Figure 10.



- Slide the two tabs of the New Port Sensor Housing into the two slots of the New Vend Sensor Bracket. See Figure 11.



- Secure the cover by snapping the latch into the bracket. See Figure 12.



- Attach Black Kydex Liner with Rivet (801,100,81x.x1), previously removed in Step# 2.
- Connect Main Power Cord to the Wall Outlet.
- Test vender with monies with the Main Door closed to ensure proper operation of the New Vend Sensor. One (1) product should be dispensed.