

CRANE[®] MERCHANDISING SYSTEMS

3330 Dixie-Narco Blvd.
Williston, SC 29853
www.dixienarco.com

M083.0 DN5800/3800 BevMax 4/3/2 Coin Insert Assembly/Keypad Kit

3/9/2011



Models Affected: all DN5800 serial break prior to **8900-0001BH**.

Reason: To provide an assembly that replaces obsolete parts and step instruction for easy installation.

Order: 1 - CR0002043 BevMax 4 Coin Insert/Keypad Kit Assy. Kit

Contents:	1 – CR0001800	Keypad Bracket Assy.
	1 – 80410142	Switch Membrane with metal dome
	2 – CR0002204	Retainer Clip
	1 – CR0005752	Richo Flat Cable Clip
	1 – CR0005650	Coin Return Button Bracket
	1 – CR0007492	Coin Return Button Assy.
	1 – 80170154	Spring
	1 – 801,823,550.11	Coin Insert Chute
	4 – 800,801,540.01	Keps Nut 8 – 32

Note: The coin return cover is sold separately and not part of the Kit. It comes in two colors. Gray 80182462 or Black 80182461. Please order as needed.

INTRODUCTION



Warning

WARNING: Turn off rocker switch on AC box to shut off all power to vendor before performing this procedure.

Please read and familiarize yourself with these instructions in their entirety before proceeding. The procedure below shows the step by step instructions to replace the adhesive keypad/overlay on a Dixie-Narco Beverage Max2/3/4 Vender (DN5800) with a non adhesive keypad/overlay kit. These instructions **do not apply** to any models other than the DN5800 Series (e.g. DN2145, DN2054, DN55##, DN35##).

TOOLS NEEDED

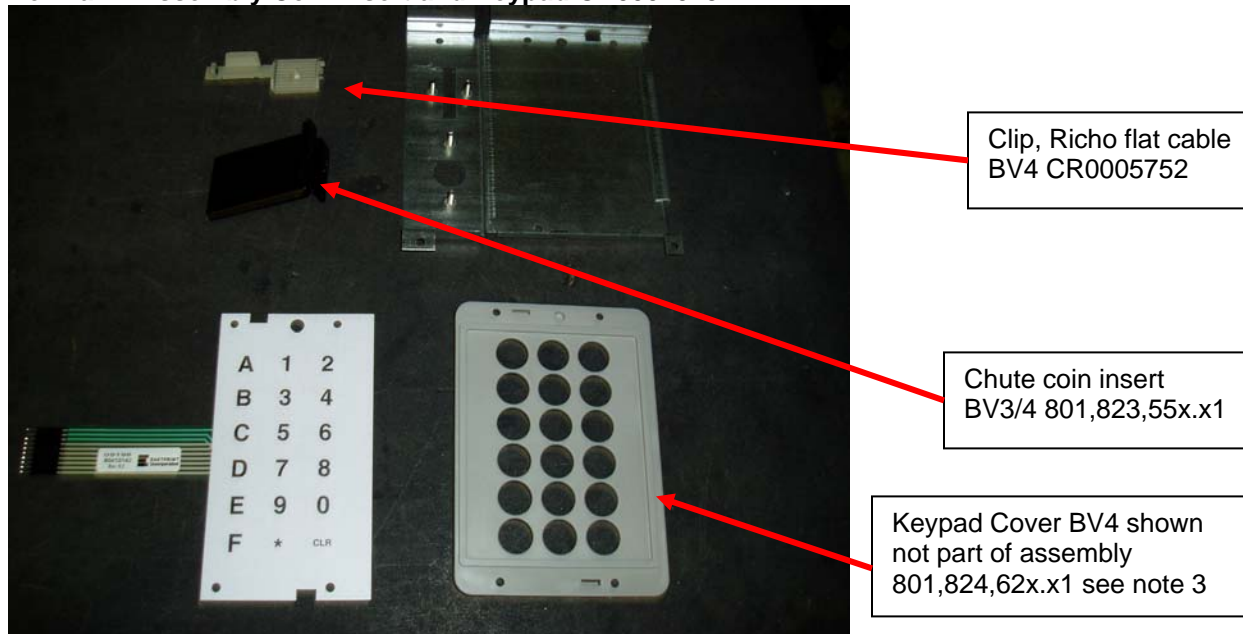
- Philips Screw Driver
- Scissors or Wire Cutters
- Static Discharge Strap

Coin Insert Assembly DN5800-4 and Keypad upgrade

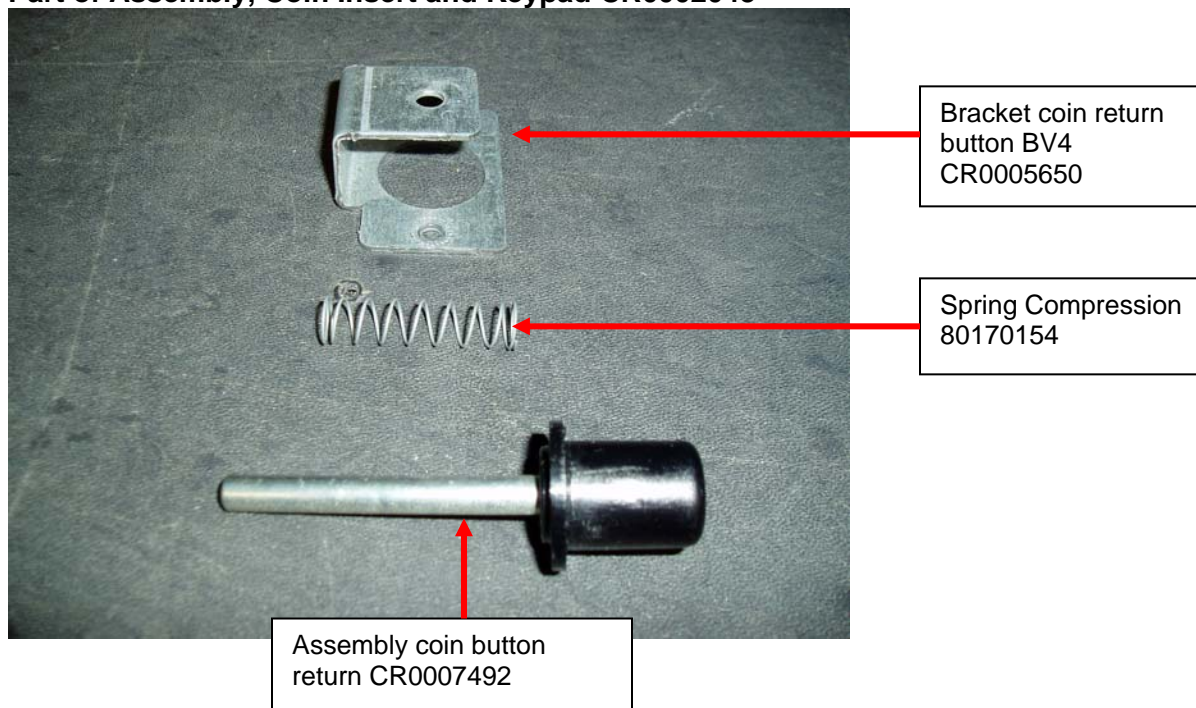
Part numbers and description

NOTE 1: Keypad membrane revised by adding the graphic overlay to the membrane.

BevMax 4 Assembly Coin Insert and Keypad CR0002043



Part of Assembly, Coin Insert and Keypad CR0002043

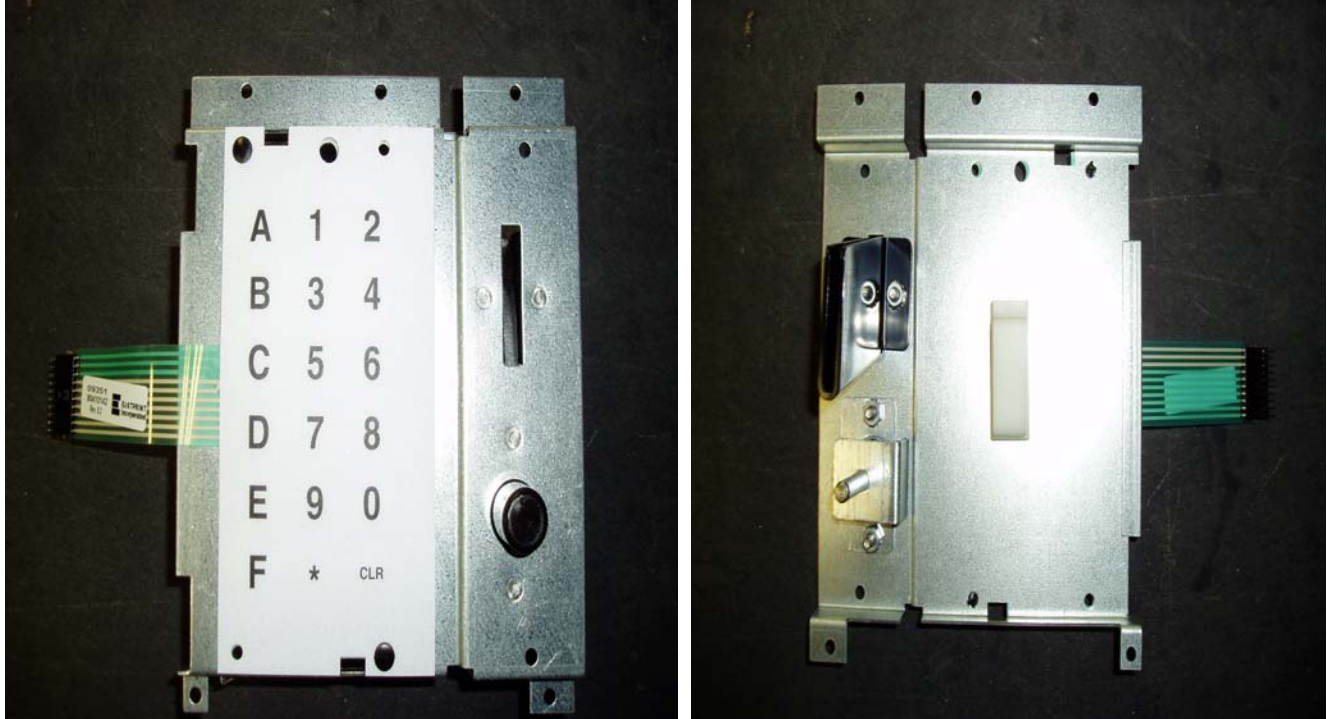


Coin Insert Assembly DN5800-4 Keypad upgrade

Part numbers and description

NOTE 2: Below is the assembled coin insert assembly front and back as shipped from the factory.

Assembled BevMax 4 Coin Insert Assembly and Keypad CR0002043



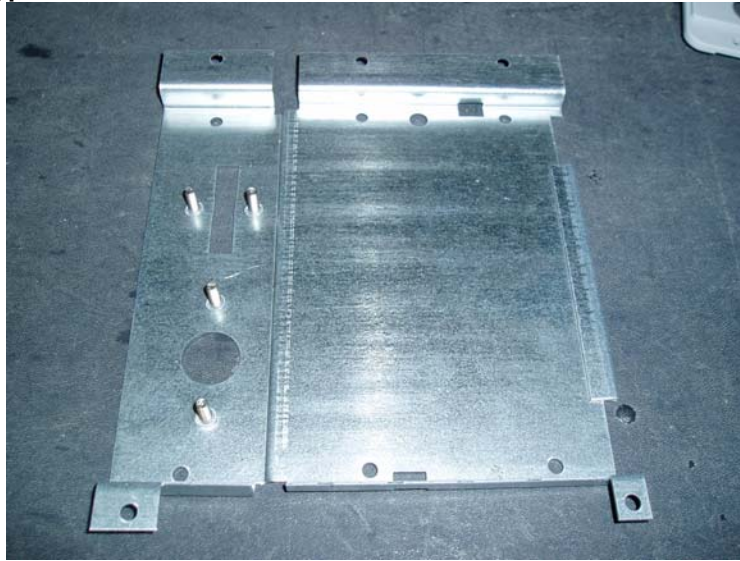
Switch, membrane with metal dome and with overlay 80410142



Coin Insert Assembly DN5800-4 Keypad upgrade

Part numbers and description

Assembly, coin and keypad bracket CR0001800



Clip, retainer .50" Panel CR0002204



Clip, Richo flat cable BV4 CR0005752



Coin Insert Assembly DN5800-4 Keypad upgrade

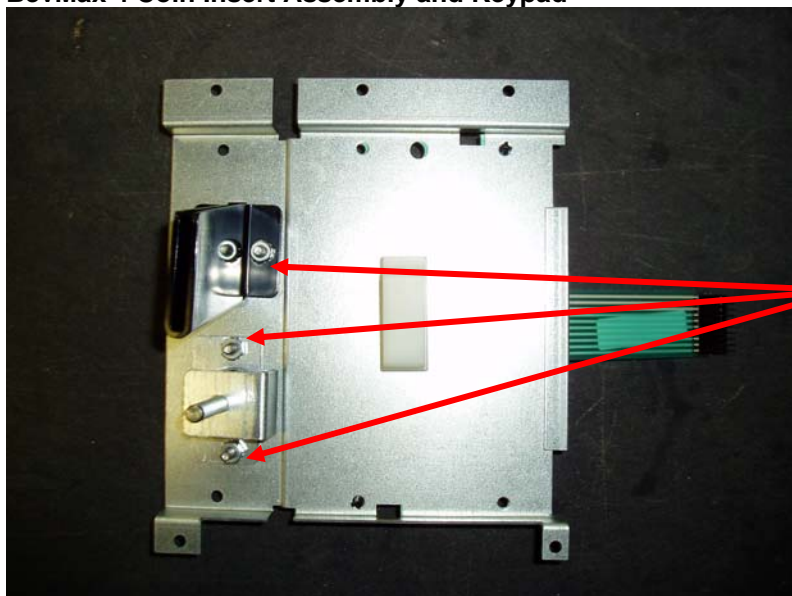
Part numbers and description

NOTE 3: The coin return cover is sold separately and not part of the Kit. It comes in two colors. Gray 80182462 or Black 80182461.

Keypad Cover BV4



BevMax 4 Coin Insert Assembly and Keypad



Keps, nut 8-32 part #
80080154

Coin Insert Assembly DN5800-4 Keypad upgrade

Installation and removal instructions:

REMOVAL OF EXISTING COIN INSERT AND KEYPAD/OVERLAY FROM BEVMAX 2/3 VENDER.

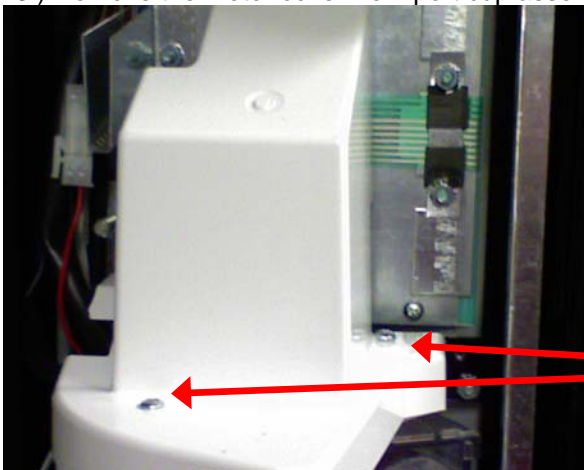
- 1.) Start with a DN5800 UL listed Vending Machine that is currently operating normally as factory produced
- 2.) Turn off rocker switch on AC box to kill all power to the vendor.



AC Box
Rocker Switch



- 3.) Remove the motor cover from port cup assembly.

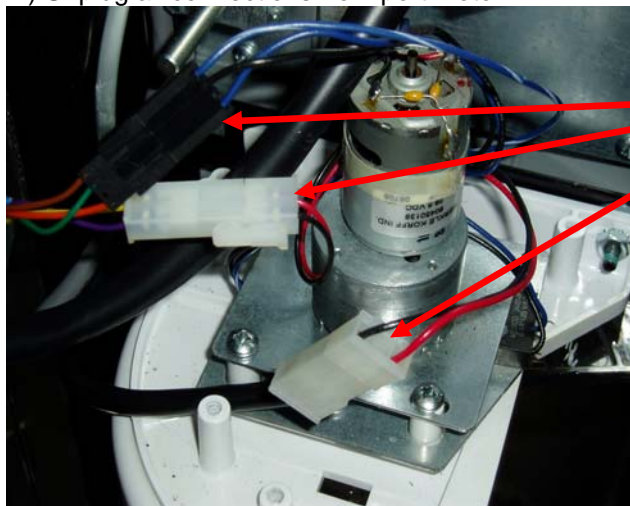


Remove Motor Port Cover
(retain screws for later use).

Coin Insert Assembly DN5800-4 Keypad upgrade

Installation and removal instructions:

4.) Unplug all connections from port motor.



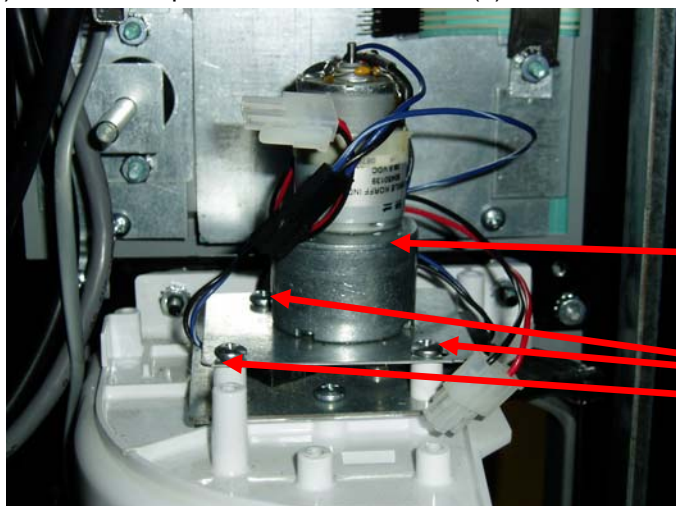
Unplug all connections at top of port motor assembly.

5.) Remove the door harness cable clamp from the service door and place the excess harness inside the service area. Retain the screw for later use.



Cable Clamp

6.) Remove the port motor and retain the (3) screws for later use.



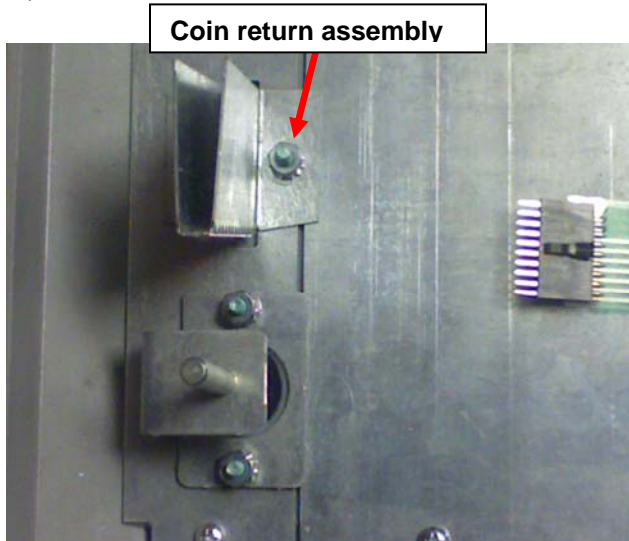
Port Motor

Screws

Coin Insert Assembly DN5800-4 Keypad upgrade

Installation and removal instructions:

7.) Remove the coin insert chute, coin return bracket, and coin return button assembly from service door.

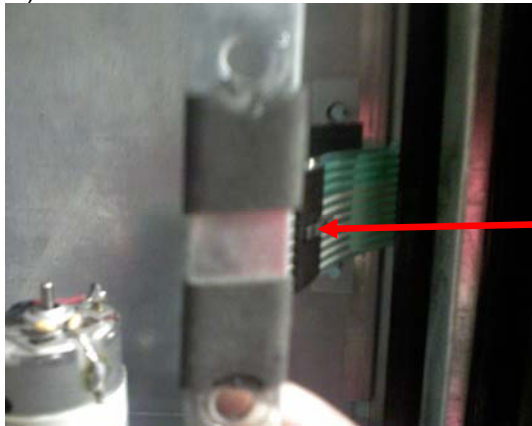


Coin return assembly



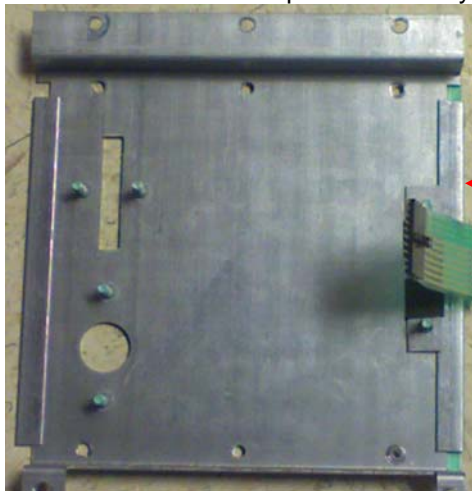
Coin return assembly removed

8.) Remove the membrane retainer ribbon tag assembly if applicable.



Keypad Membrane Retainer ribbon tag assembly.

9.) Remove the coin insert panel assembly from the service door.



Coin Insert Panel Assembly

Coin Insert Assembly DN5800-4 Keypad upgrade

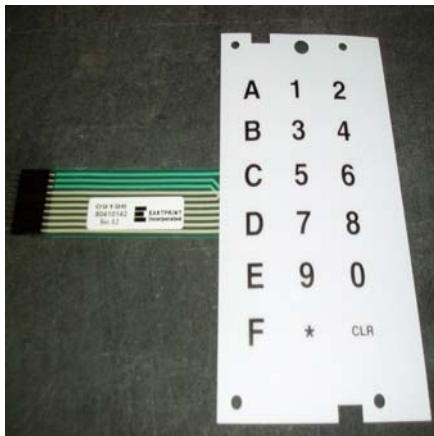
Installation and removal instructions:

INSTALLATION OF NEW COIN INSERT ASSEMBLY WITH KEYPAD/OVERLAY FOR BV2/3 VENDORS.

NOTE: If the coin insert assembly with keypad/overlay comes already assembled, skip to step #13

10.) Place the membrane/overlay, keypad cover, and keypad bracket assembly on a nonabrasive service (e.g. table, chair, lap etc) and assembly together. **USE CARE NOT TO PINCH OR CHAFE THE WIRE HARNESS/CONNECTOR.**

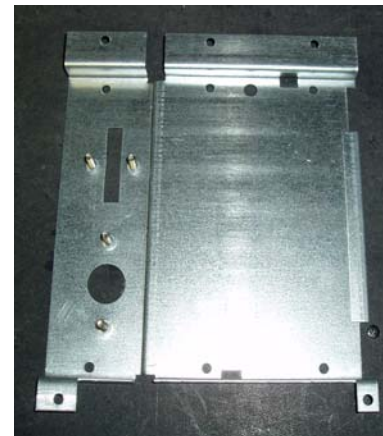
Membrane/overlay



keypad cover, not included

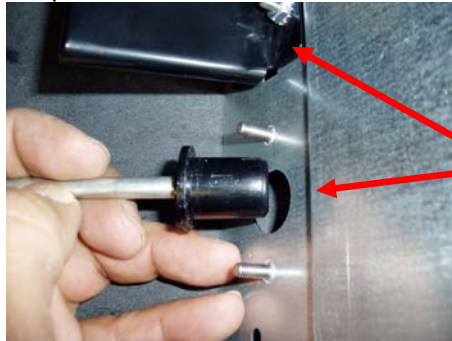


Keypad bracket



Part of Keypad Bracket assembly

11.) Install the coin return button, spring compression, bracket, and coin chute insert as shown in figures 1-3.



Coin return button chute insert

FIGURE 1



FIGURE 2

Spring compression



Coin return button bracket

FIGURE 3

Coin Insert Assembly DN5800-4 Keypad upgrade

Installation and removal instructions:

12.) Place the new membrane/overlay over keypad bracket assembly aligning the holes and insert the panel retainer clips to secure as shown in figures 4-5.

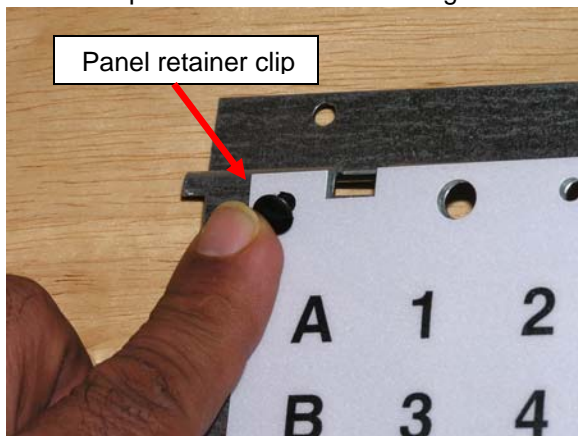


FIGURE 4

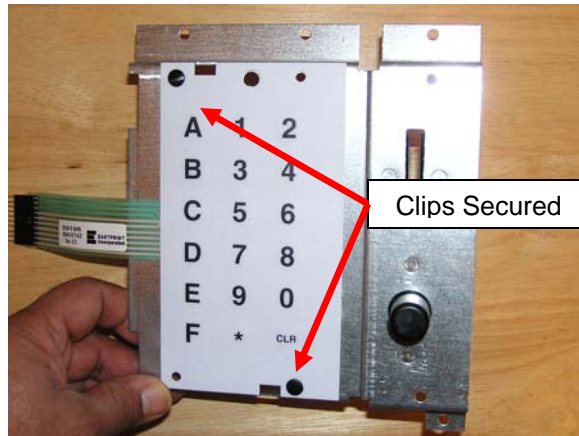


FIGURE 5

13.) Place the keypad cover (NOT INCLUDED) over the keypad bracket assembly and align locking tabs with cut out slots on the bracket. See figures 6-7.



FIGURE 6

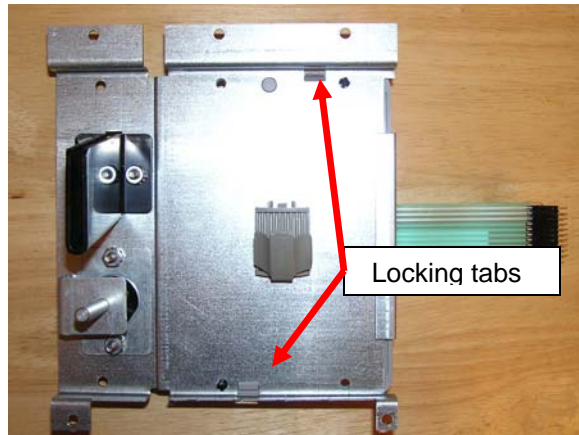


FIGURE 7

14.) Mount the Keypad bracket assembly with keypad cover to the opening in the service door and tighten all screws, figures 8-9.



FIGURE 8

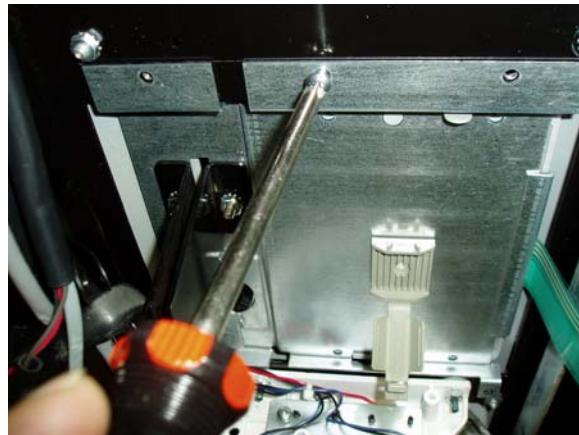
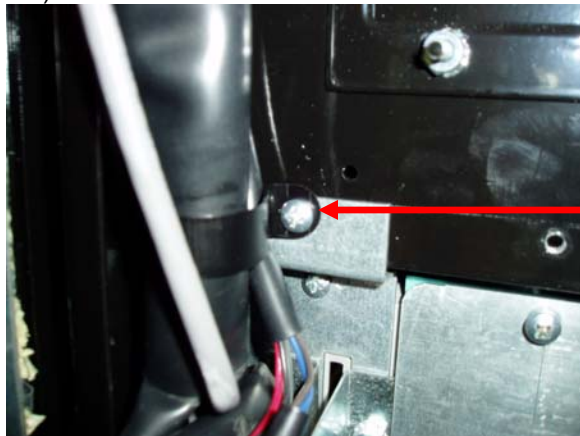


FIGURE 9

Coin Insert Assembly DN5800-4 Keypad upgrade

Installation and removal instructions:

15.) Route and secure the door harness to service door using cable clamp and then tight screw.



Cable clamp and screw

16.) Connect the Switch membrane ribbon cable to the keypad harness then snap the Richo clip over the connection to secure in place, figure 10-11.



FIGURE 10



FIGURE 11

17.) Install the port motor on top of port cup assembly.

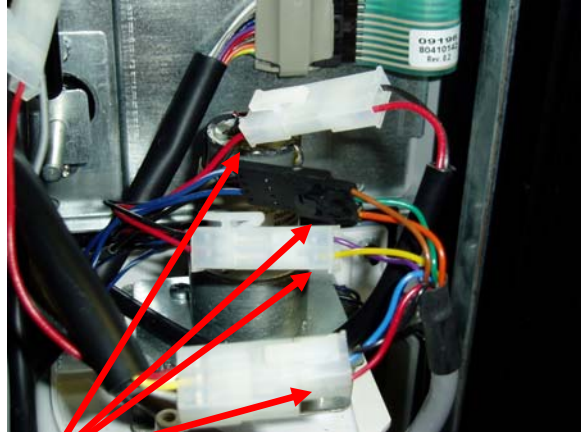
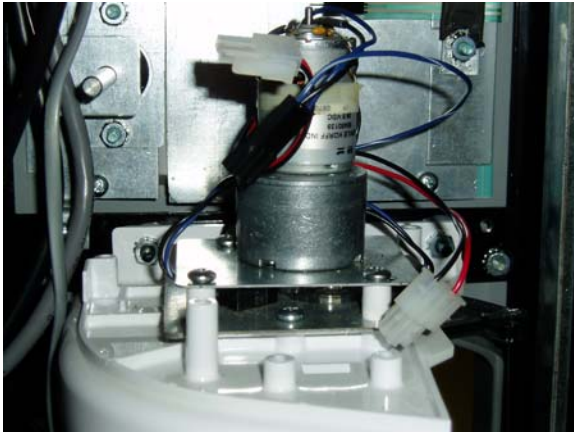


Port cup motor

Coin Insert Assembly DN5800-4 Keypad upgrade

Installation and removal instructions:

18.) Plug in all connections at port motor to top of port cup assembly.



Port motor connection terminated

19.) Install port cup assembly motor cover.



Port cup motor cover

20.) Complete installation of coin insert assembly DN5800-4 keypad upgrade.

