

# Technical Bulletin

Bulletin Number: 493 Revision Number: R-02

Release Date: September 14, 1995 Revision Date: January 28, 2002

**SUBJECT:** METAL VRV COIN RETURN REPLACEMENT KIT

**MODELS AFFECTED:** All VRV (Vandal Resistant Vender) Models.

**SERIAL BREAK:** VRV Models serialized 0001-6267CT and higher.

**PURPOSE:** To make the coin return button more “customer-friendly”.

**ORDER:** 493,010,50x.x4 VRV Coin Return Replacement Kit

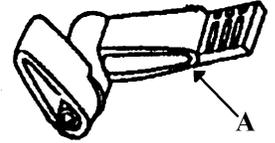
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|---------------|--------------------|---------------------------------------|
| Kit Includes: | 1 - 572,050,22x.x3 | VRV Coin Return Rocker                |
|               | 1 - 572,050,23x.x3 | VRV Coin Return Plunger               |
|               | 1 - 572,050,24x.x3 | VRV Coin Return Bracket               |
|               | 1 - 900,502,81x.x1 | VRV Coin Return Rocker Pin            |
|               | 1 - 900,902,31x.x1 | VRV Coin Return Pin Retainer Ring     |
|               | 1 - 901,700,63x.x1 | Coin Return Extension Spring          |
|               | 2 - 900,301,64x.x1 | #8-32x1/2” Screw                      |
|               | 2 - 900,301,56x.x1 | #8-32x3/8” Screw                      |
|               | 1 - 900,301,81x.x1 | #10-32x1-1/4 Screw                    |
|               | 1 – TB 493         | Metal VRV Coin Return Replacement Kit |

Tools required for removal of existing coin return assembly and installation of replacement kit:

- 1 Channel Lock Pliers
- 1 #2 Phillip Head Screw Driver
- 1 11/32” Deep Well Socket w/Nut Driver
- 1 Needle-Nose Pliers

## Existing Coin Return Mechanism Removal

1. Unplug the vender.
2. Open the main door.
3. Remove the door strap to provide access to the coin return mechanism.
4. Grip the bell crank on its hub (A) with the channel lock pliers.
5. Rock the bell crank back and forth until the threaded stud snaps.
6. Remove the two #8-18x1/2" screws that secures the coin return mounting bracket and stud assembly to the T-handle body.
7. Remove the 11/32" keps nut that secures the coin return mounting brackets and stud assembly to the door vault.
8. Remove and discard the original coin return assembly mechanism.



## Installation of Replacement Coin Return Mechanism

1. Assemble the VRV coin return plunger to the VRV coin return rocker using the two #8-32x3/8" screws (900,301,560.01).
2. Place the VRV coin return bracket in position and secure it to the T-handle body using the two 8-32x1/2" screws (900,301,640.21).
3. Place the VRV coin return rocker/plunger assembly in position on the VRV coin return bracket.
4. Place the VRV coin return rocker pin in position to hold the rocker/plunger assembly to the VRV coin return bracket.
5. Secure the pin in position with the VRV coin return pin retainer ring.
6. Install the VRV coin return extension spring to the VRV coin return bracket and VRV coin return rocker as shown in the illustration on page 3.
7. Install the #10-32x1-1/4" screw as shown in the illustration on page 3.

NOTE: For Adjustment of Replacement Coin Return Mechanisms See Page 4.

## INSTRUCTIONS:

Tools: Channel Lock Pliers  
#2 Phillips Head Screw Driver  
11/32 Nut Driver  
Needle Nose Pliers

### Remove Original Coin Return Mechanism:

1. Remove door strap for access to the coin return mechanism.
2. Grip bell crank on its hub with channel lock pliers. Rock back and forth until the threaded stud snaps.
3. Remove two screws mounting coin return bracket to the T-handle.
4. Remove the 11/32 nut mounting coin return bracket to the vault.
5. Remove and discard original coin return assembly.

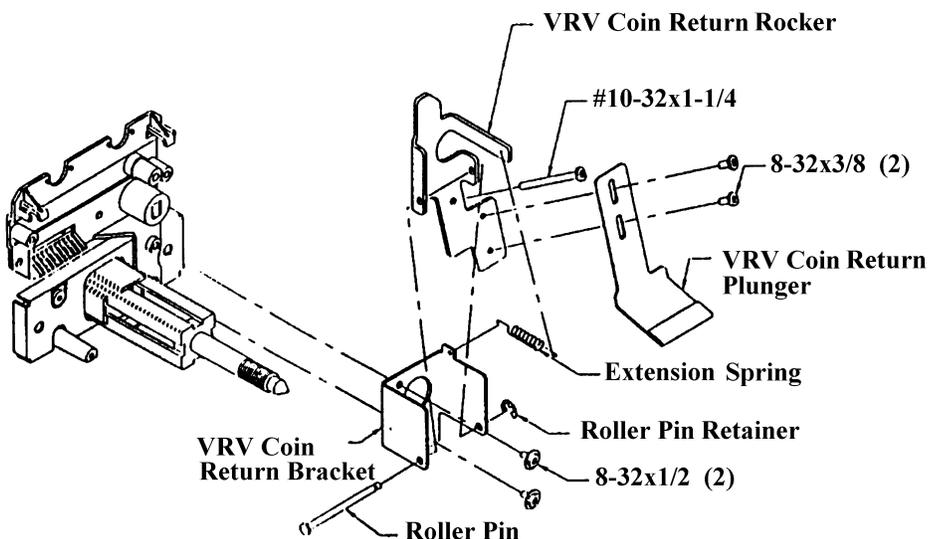
### Adjustment:

1. Using coin return push button, fully extend coin return mechanism.
2. Screw in stop screw (#10-32x1-1/4) until it makes contact with the bracket. Turn 1/2 to 1 turn further.
3. Adjust the plunger to eliminate free play between the push button and the rejecter finger on the coin mechanism.
4. Tighten the plunger to rocker firmly.
5. Test the coin return mechanism for proper function.
6. Reinstall the door strap.

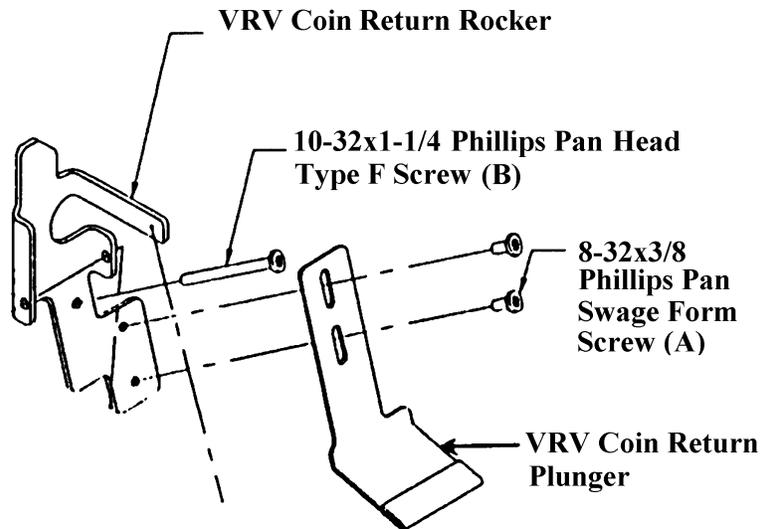
### Install Replacement Coin Return

#### Mechanism:

1. Assemble plunger to rocker using (2) #8-32x3/8 screws.
2. Install coin return bracket to T-handle using (2) #8-32x1/2 screws.
3. Install rocker/plunger assembly to bracket with roll pin. Secure roll pin with retainer ring.
4. Install spring as shown.



# VRV Coin Return Plunger Adjustment



This Dixie-Narco vender is equipped with an adjustable VRV Coin Return Plunger. The VRV Coin Return Plunger is adjustable to enhance its use with different coin mechanisms.

To adjust the VRV Coin Return Plunger follow these steps:

1. Remove power to the main door.
2. Place the coin mechanism to be used in position and secure it to the access door.
3. Loosen the two 8-32x3/8 screws (A) that secure the VRV Coin Return Plunger to the VRV Coin Return Rocker.
4. Lower the VRV Coin Return Plunger to the coin mechanism's reject lever and tighten the two 8-32x3/8 screws.

**IMPORTANT: ONCE THE PLUNGER IS IN POSITION YOU SHOULD BE ABLE TO OPEN AND CLOSE THE ACCESS DOOR WITH THE CHANGER INSTALLED. THERE SHOULD NOT BE ANY INTERFERENCE BETWEEN THE VRV COIN RETURN PLUNGER AND THE COIN MECHANISM REJECT LEVER. IF INTERFERENCE OCCURS THE PLUNGER IS ADJUSTED TOO LOW.**

5. With the door open, test the VRV Coin Reject Assembly for proper operation. Ensure the coin return rocker and plunger do not contact any wiring during their operation.  
Note: If the VRV Coin Return Plunger gets out of position behind the coin mechanism reject lever, place the VRV Coin Return back to its proper position and adjust the 10-32x1-1/4 screw (B) to prevent it from recurring.
6. Once adjusted to the acceptable position, plug in the vender. Close the main door and secure it. Insert coins through the coin slot and test for proper operation.  
Note: If coins fall to the change cup, the VRV Coin Return Plunger is adjusted too low.