

# Technical Bulletin

Bulletin Number: 442 Revision Number: R-04

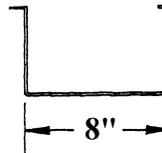
Release Date: September 22, 1992 Revision Date: January 15, 1998

**SUBJECT:** Enhancement Security Kit (ESK)

**MODELS:** All Dixie-Narco venders, excluding Cold Drink Deluxe, 7UP, and any vender with a Flat Front (excluding Display Models as noted below).

It is intended for use on 72" and 79" high Dixie-Narco venders of the following descriptions and production run numbers:

Landscape Coke	S/N 0001-2949DK and higher
Pepsi Magnum Circular	S/N 0001-2858DJ and higher
R.C. Round Front	S/N 0001-3036AM and higher
Generic Round Front	S/N 0001-3036AM and higher
Can Display (with 8" wide control panel)	S/N 0001-3091DM and higher



**REASON:** The Enhancement Security Kit (E.S.K.) is a field installable mechanism which latches and secures the lower lockside portion of the vender door.

**ORDER:** 491,010,900.14 Enhancement Security Kit (E.S.K.)

**KIT CONTENTS:**

1 - 491,010,050.34	Main Bracket Assy.	6 - 900,301,930.01	1/4-20x7/8 Carriage Bolt
1 - 491,010,130.04	Latch Pin Mount and Baffle Assy.	6 - 900,700,910.01	Flat Washer, 1/4 Standard
1 - 491,010,170.03	Mounting Channel	4 - 900,700,920.01	Flat Washer, 5/16" Standard
2 - 491,010,180.03	Coin Box Mounting Angle	4 - 900,800,500.01	#8-32 Keps Nut
1 - 491,010,190.03	Template, Cabinet Rework	5 - 900,800,840.01	5/16-18 Keps Nut
1 - 491,010,210.03	Template, Door Rework	6 - 900,800,670.01	1/4-20 Keps Nut
3 - 900,301,500.01	#8-18x1/2 Phil Pan, Self Drilling		

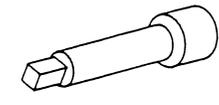
Note: Depending on the production run #'s of the previously mentioned venders, additional parts may be required for proper installation and operation of the E.S.K. Venders requiring additional parts and the numbers of the parts that are to be ordered are shown in the chart on page 17.

**IMPORTANT:** E-Model venders require additional parts. See chart on page 19.

**TOOLS REQUIRED:**

491,010,190.03 Template, Cabinet Rework  
491,010,210.03 Template, Door Rework  
Center Punch  
3/8" Electric Drill (non-cordless for durability)  
1/8", 5/16", 3/8" and 7/16" dia. carbide tipped drill bits  
1" dia. chassis punch (greenlee #730-1 16 ga. capacity)  
6" long, 1/4" drive ratchet wrench  
crescent wrench  
3" long x 1/4" drive extension (fits 1/4" drive)

Phillips head screwdriver  
round file  
touch-up paint  
1/2" box wrench  
white china marker  
1/2" standard socket  
7/16" standard socket  
11/32 Hex socket driver (green handle w/ 6" long shaft beneath handle) (xcelite cat. no. L-11 or equal)



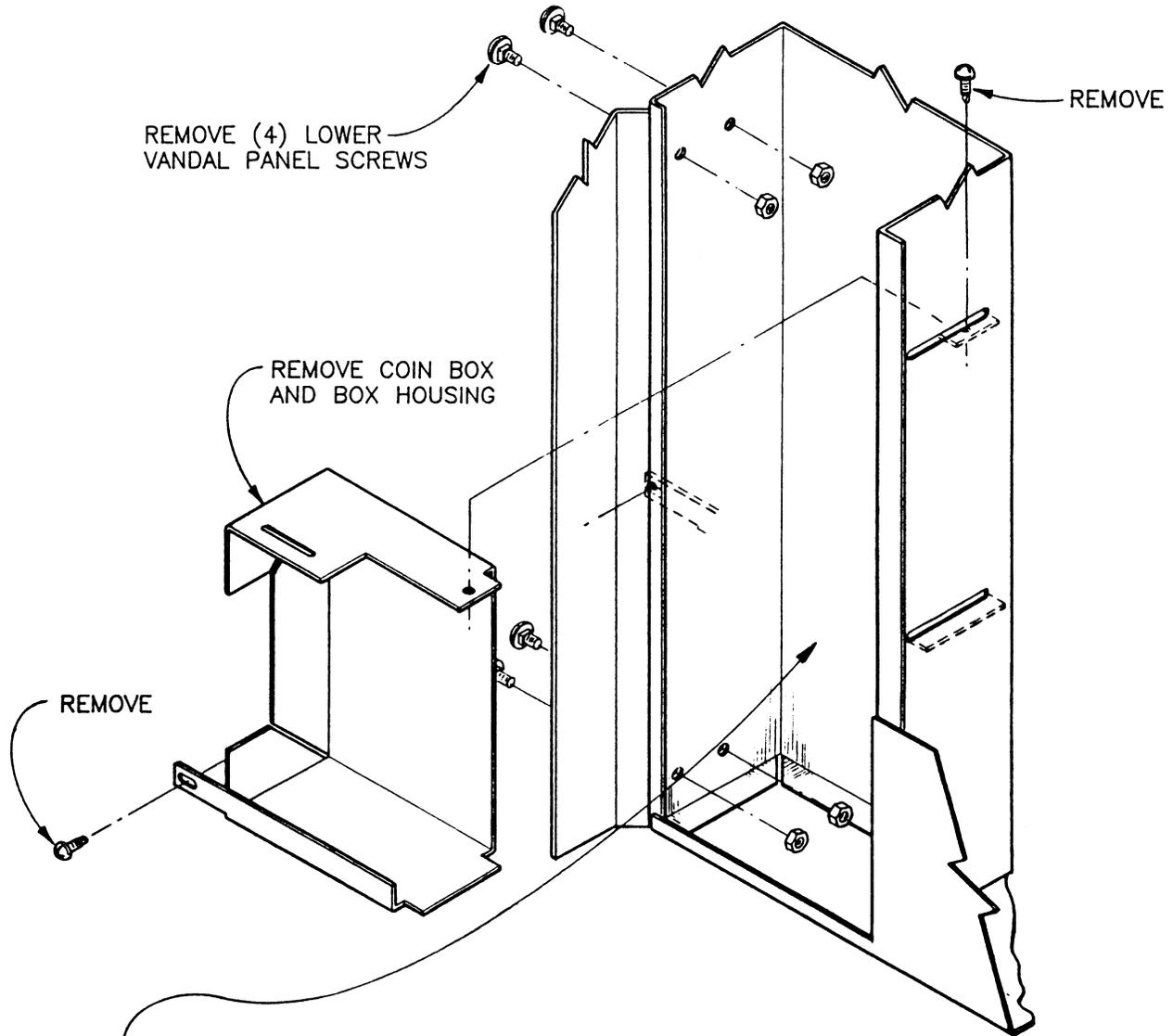
  
**CAUTION!!**  
**In order for this kit to work properly,  
T-Handle screw retainers must be of the type with a solid nut.**

**INDEX:**

1. Rework and Installation..... Pages 3 through 15  
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    E. Main Bracket Assembly and Installation..... Page 9  
    F. Latch Pin Mount and Security Baffle Assy. & Installation ..... Pages 10, 11, & 12  
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    I. Lock Installation..... Page 17  
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# CASH BOX REMOVAL

Models: All as specified except for: Landscape Coke (2949DK and up prior to 2984BL) with cash box shelf.  
Pepsi Magnum Circular (2858DJ and up through 3102AN excluding 3101AN) with cash box shelf.



**NOTE!** REMOVE ANY FRONT SIGN TRIM RETAINER NUTS WHICH MIGHT INTERFERE WITH INSTALLATION OF MAIN BRACKET ASSEMBLY.

**ILLUSTRATION #1**

# CASH BOX REMOVAL

Models: Pepsi Magnum Circular (2858DJ and higher through 3102AN excluding 3101AN) with cash box shelf.

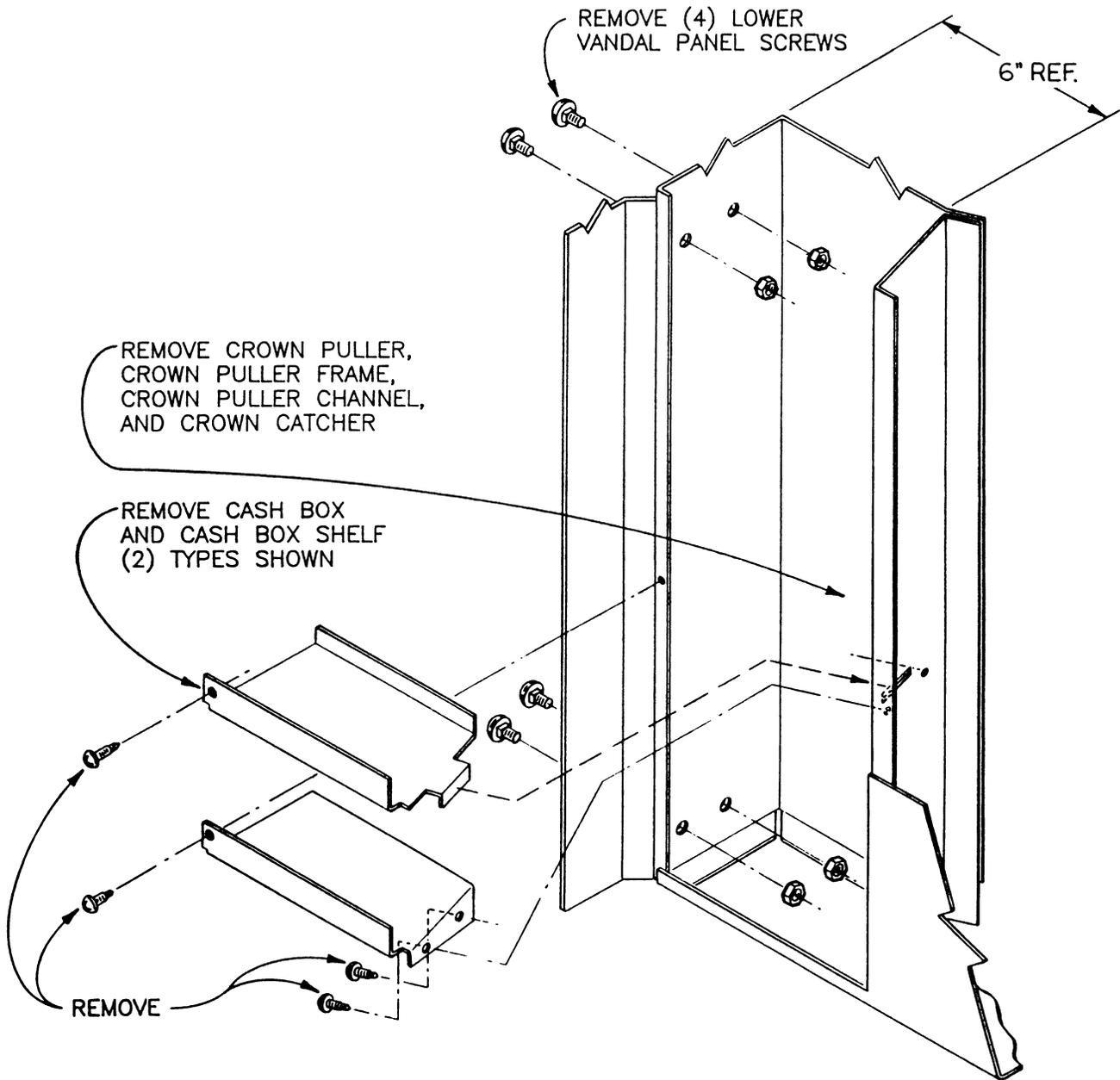
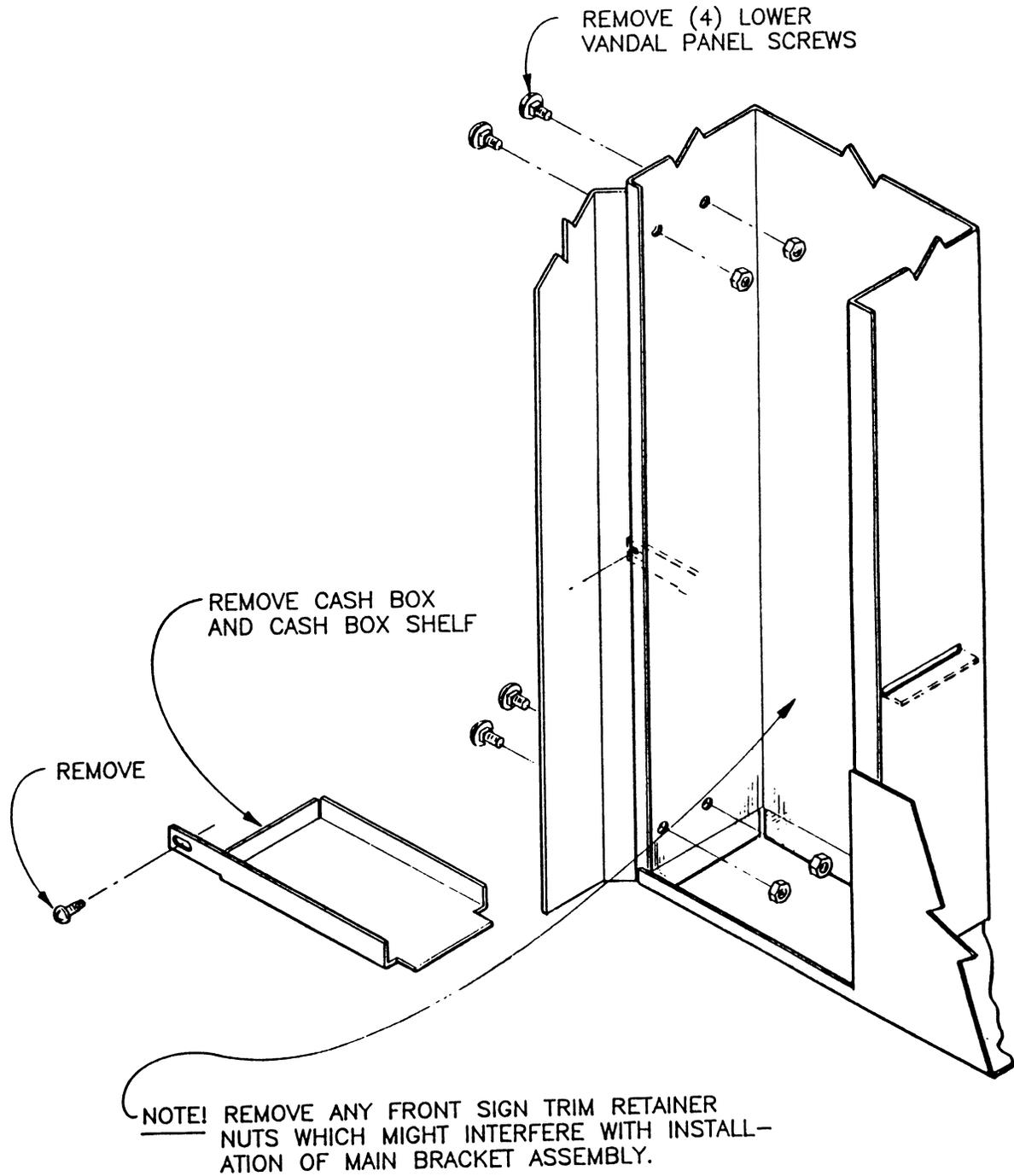


ILLUSTRATION #2

# CASH BOX REMOVAL

Models: Landscape Coke (2949DK and higher prior to 2984BL) with cash box shelf.



**ILLUSTRATION #3**

# MAIN DOOR REWORK

Models: All specified models.

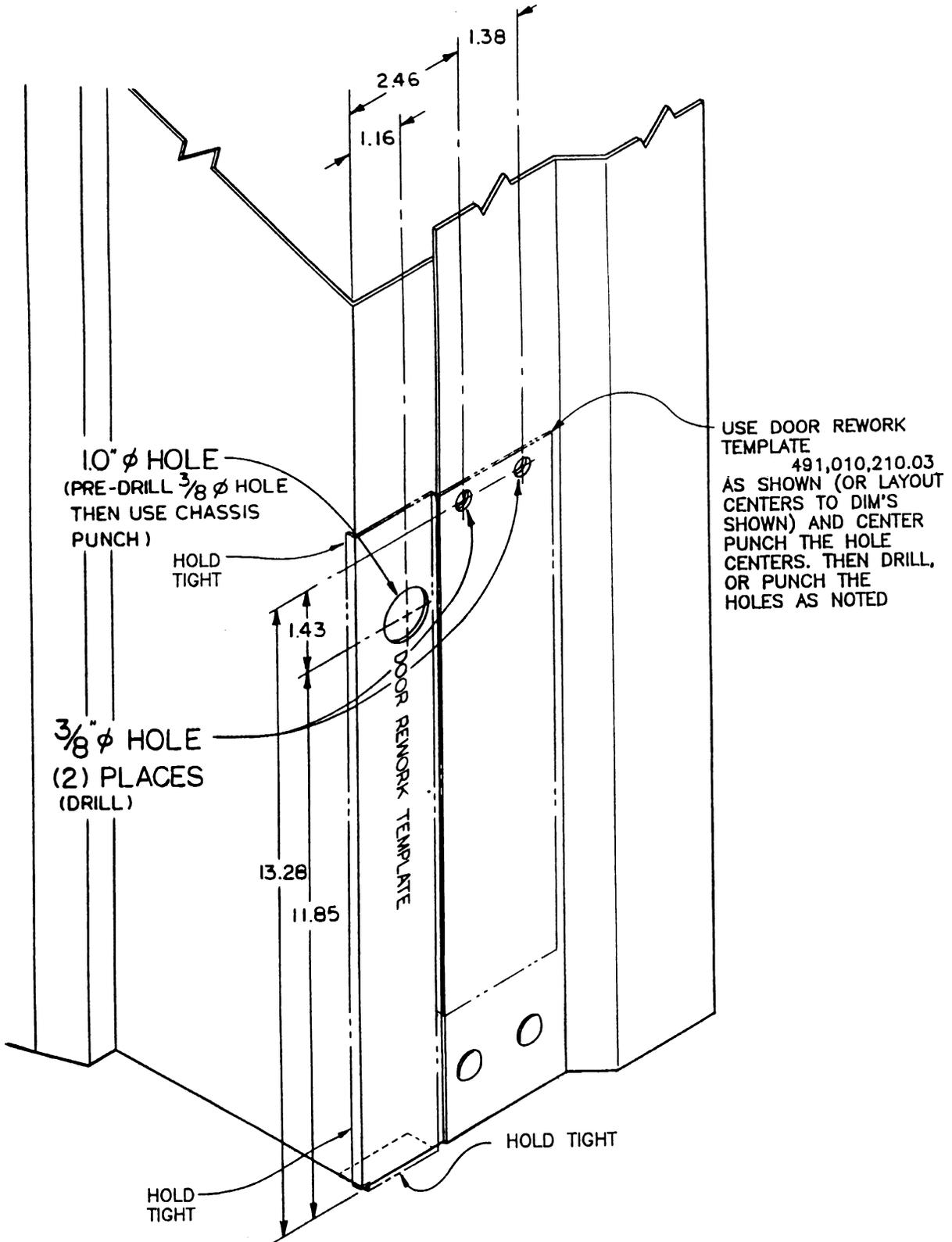


ILLUSTRATION #4

# CABINET BASE BOX REWORK

Models: All specified models.

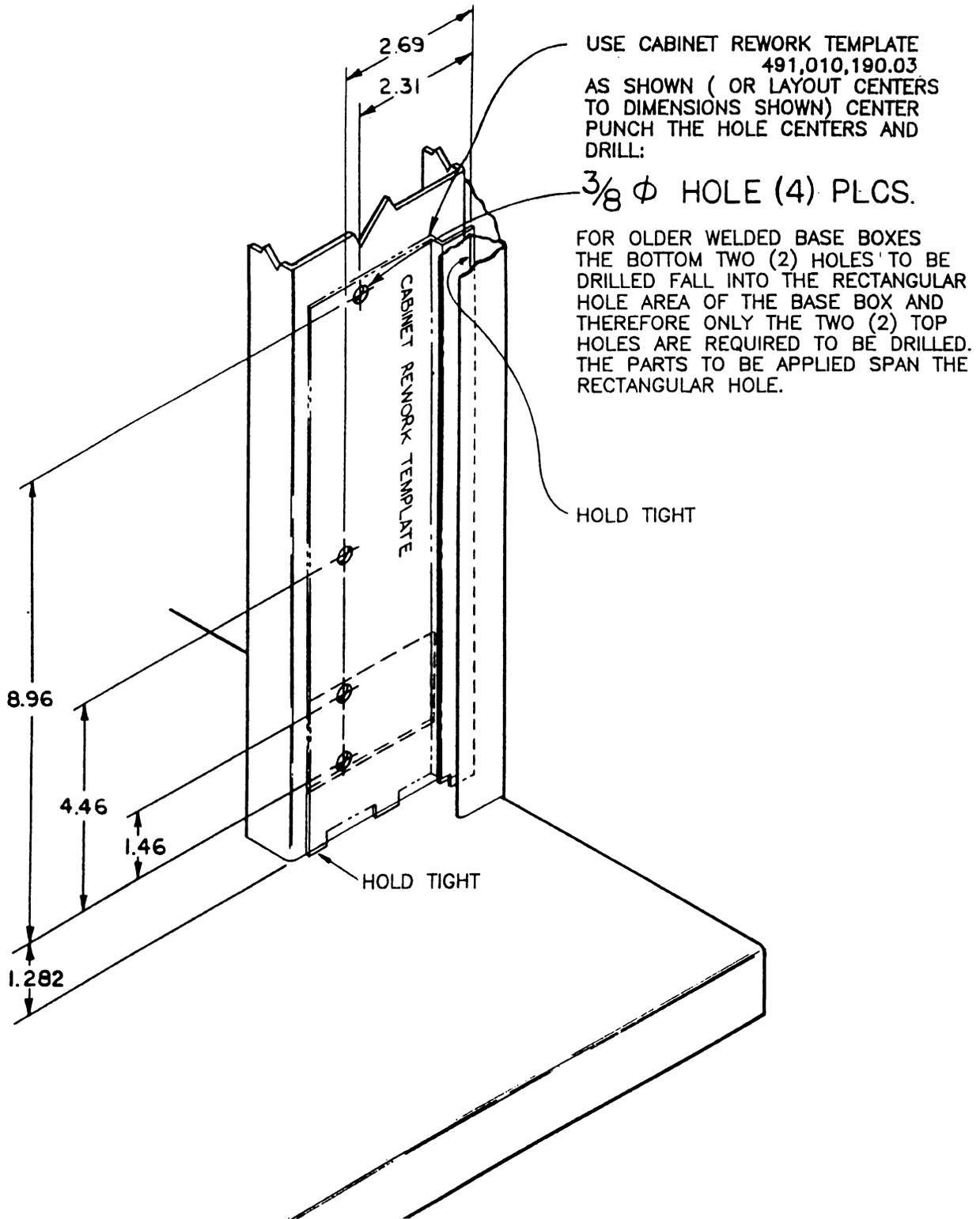
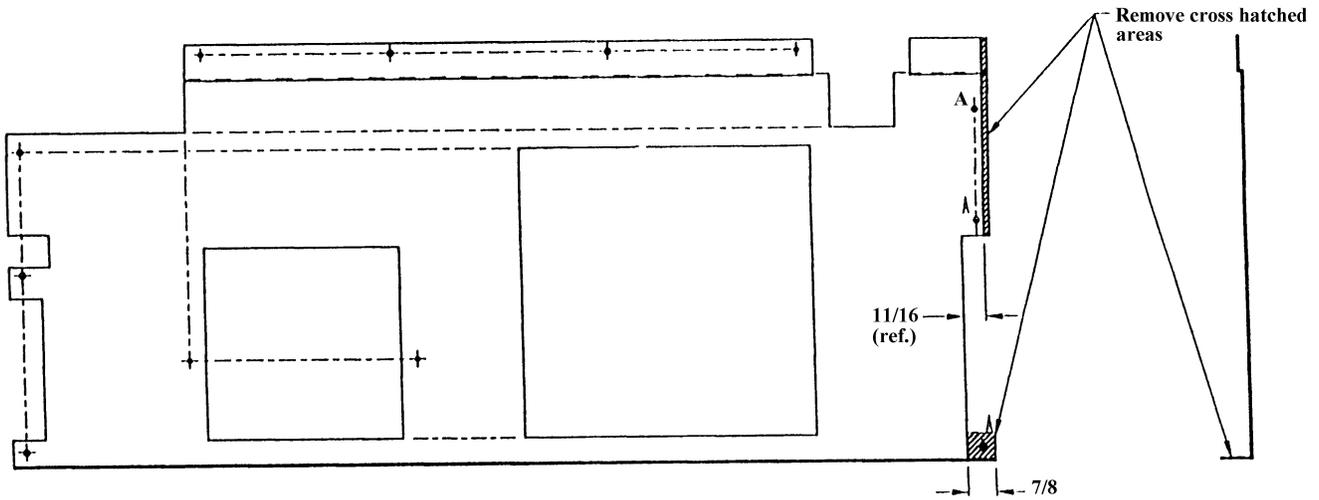


ILLUSTRATION #5

# CABINET FRONT STIFFENER PLATE REWORK

Models: All models with cabinet front stiffener plate.



**ILLUSTRATION #6**

1. Remove cabinet front stiffener plate from vender.
2. Mark and remove illustrated areas.
3. Installed modified cabinet front stiffener plate after you have installed the latch pin mount and security baffle assembly on pages 10, 11, and 12.

# MAIN BRACKET ASSEMBLY AND INSTALLATION

Models: All specified models.

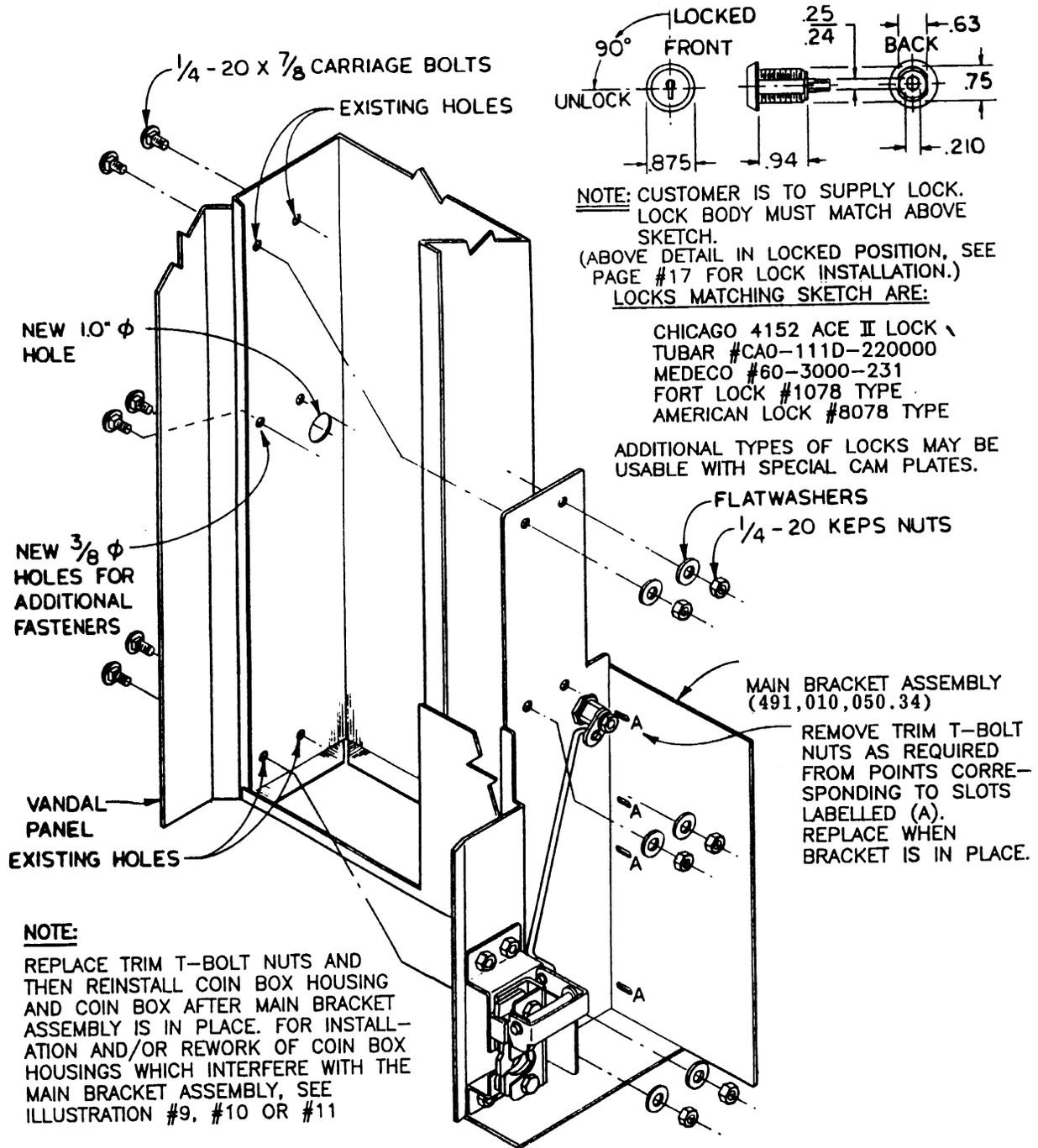
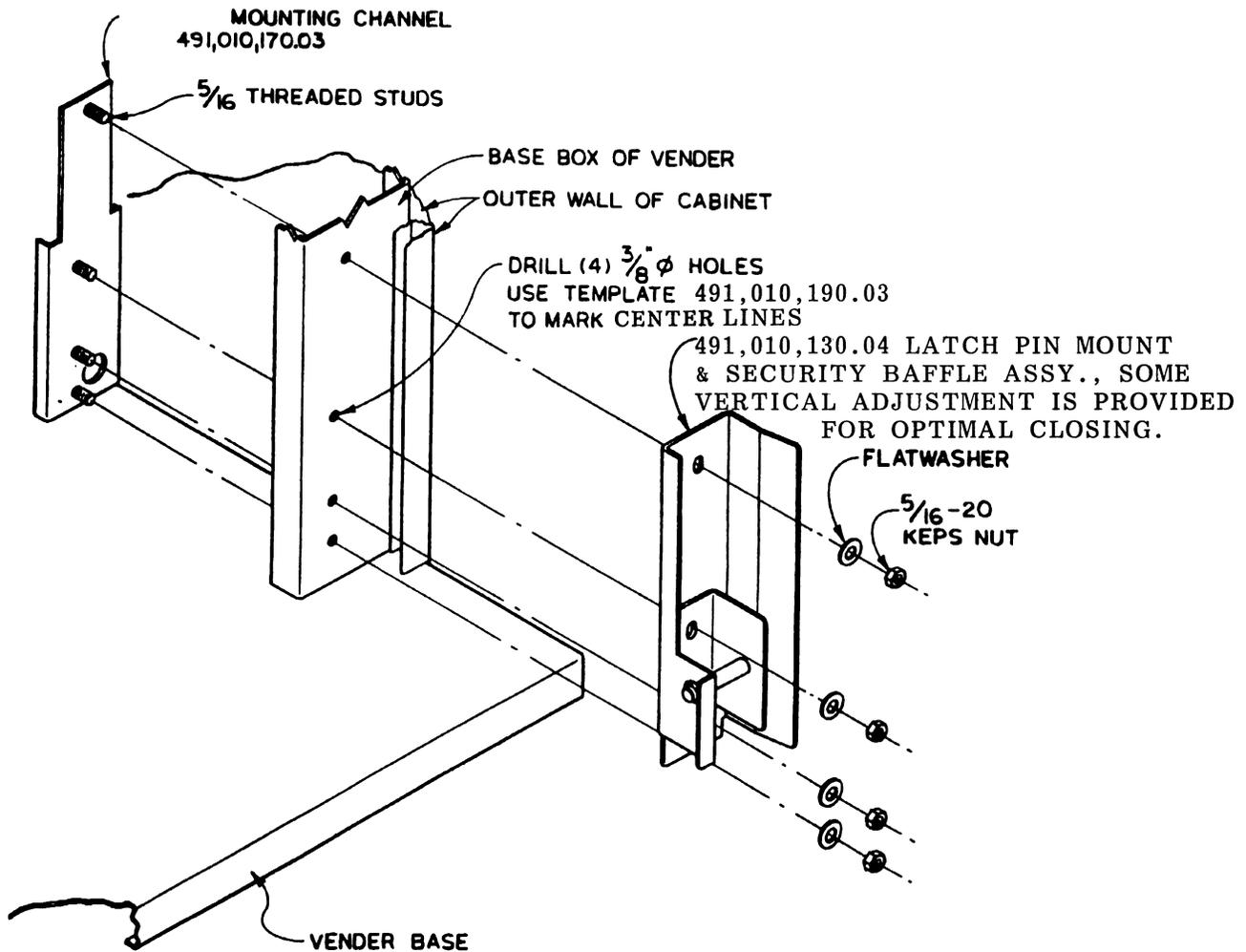


ILLUSTRATION #7

**CAUTION!!** BEFORE CLOSING THE DOOR BE SURE KEYS ARE NOT IN THE CABINET AND MAKE SURE THE KEY LOCK DE-LATCHES THE SYSTEM.

# LATCH PIN MOUNT AND SECURITY BAFFLE ASSEMBLY AND INSTALLATION

Models: All specified models.

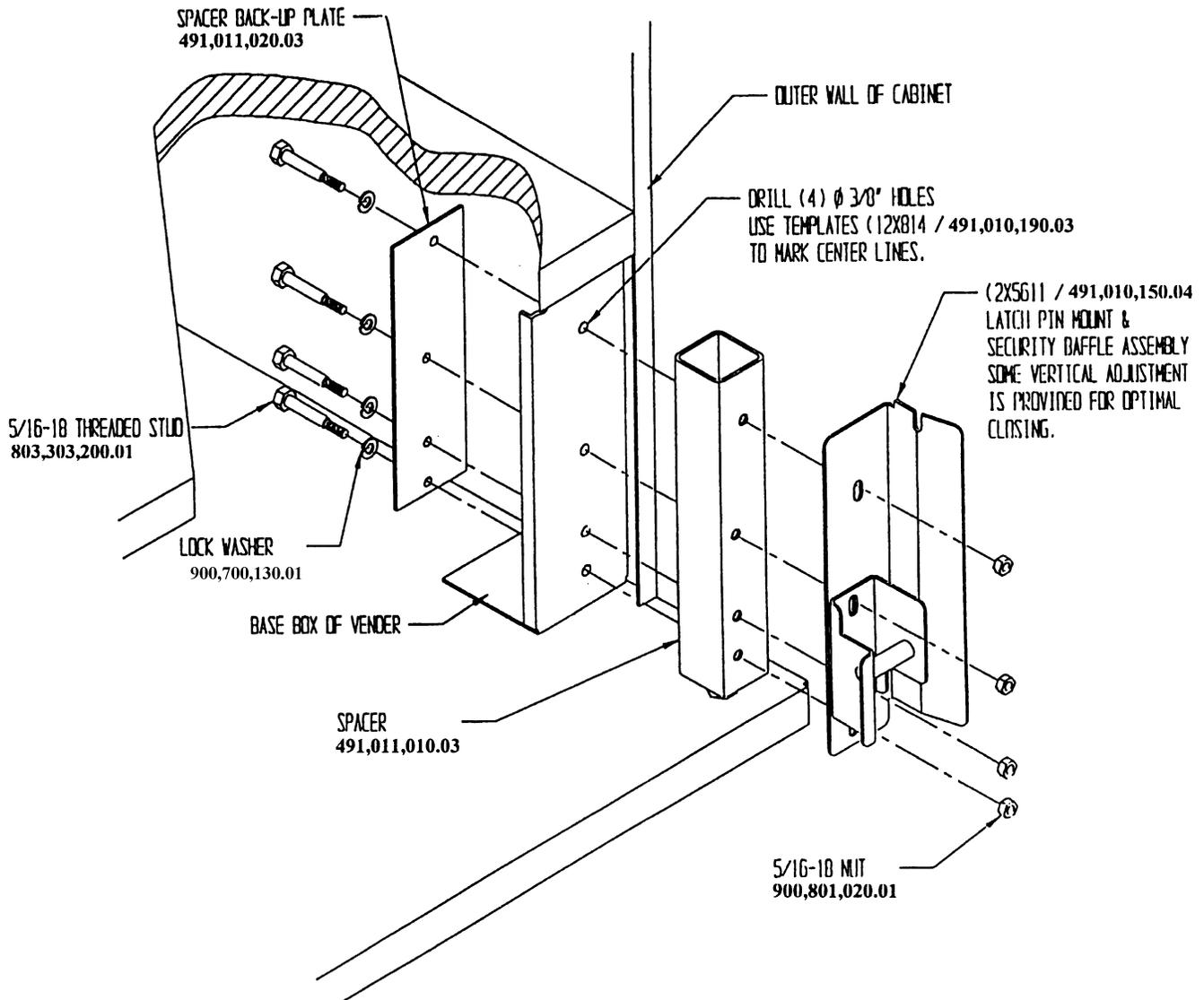


**ILLUSTRATION #8**

Note: On some units it will be necessary to remove an anti-vermin panel from the back of the vender or a baffle on the side of the base box to perform this installation. Replace the panel or baffle after installation is complete.

# LATCH PIN MOUNT AND SECURITY BAFFLE ASSEMBLY AND INSTALLATION

E-Models



**ILLUSTRATION #9**

Note: On some units it will be necessary to remove an anti-vermin panel from the back of the vender or a baffle on the side of the base box to perform this installation. Replace the panel or baffle after installation is complete.

# LATCH PIN MOUNT AND SECURITY BAFFLE ASSEMBLY AND INSTALLATION

Models: All specified models.

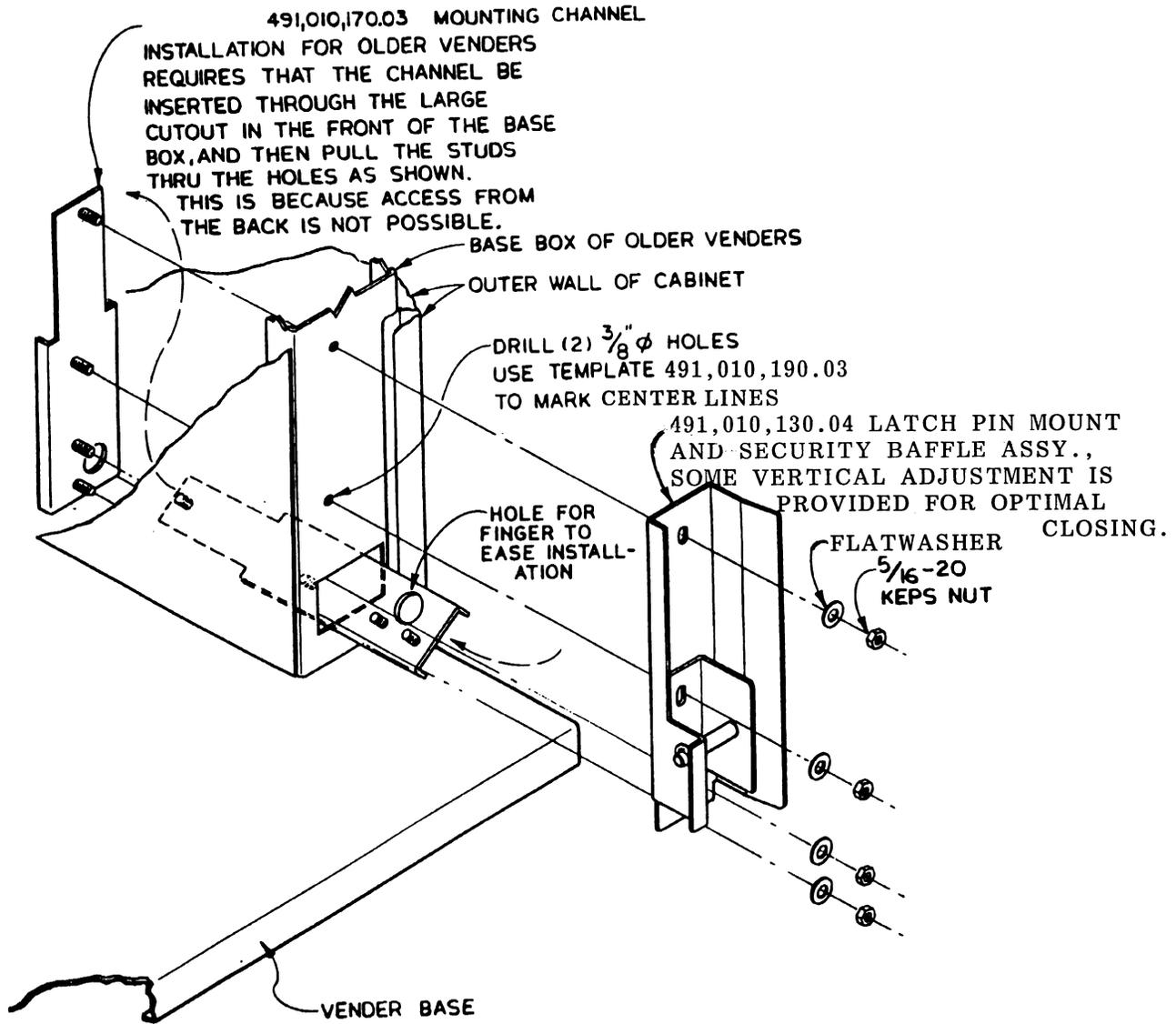


ILLUSTRATION #10

# CASH BOX INSTALLATION

Models: 72" high Landscape Coke (2984BL and higher) {Not required for 79" high Landscape}.  
Pepsi Magnum Circular 10 Select units (3101AN and higher, excluding 3102AN).

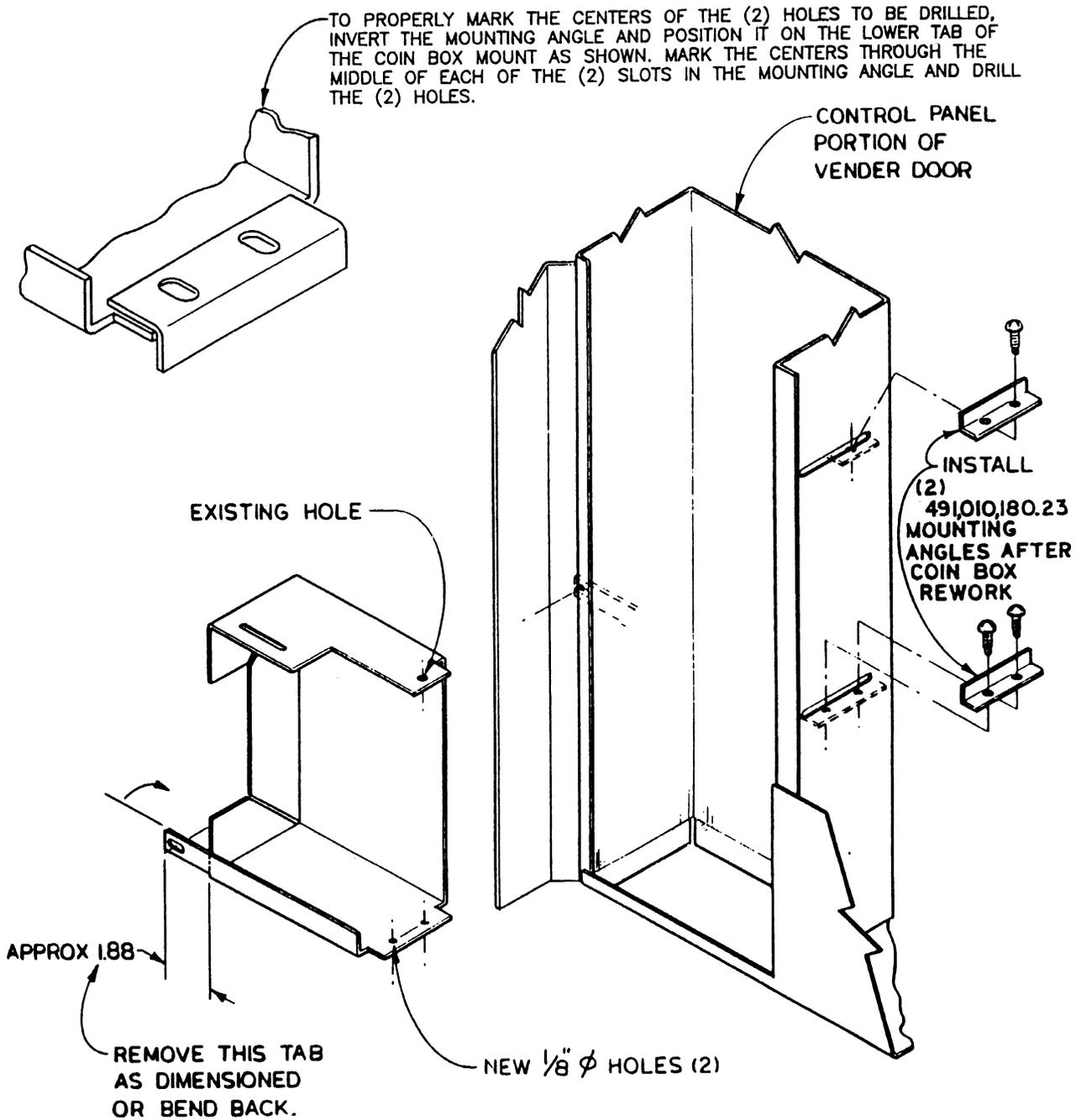
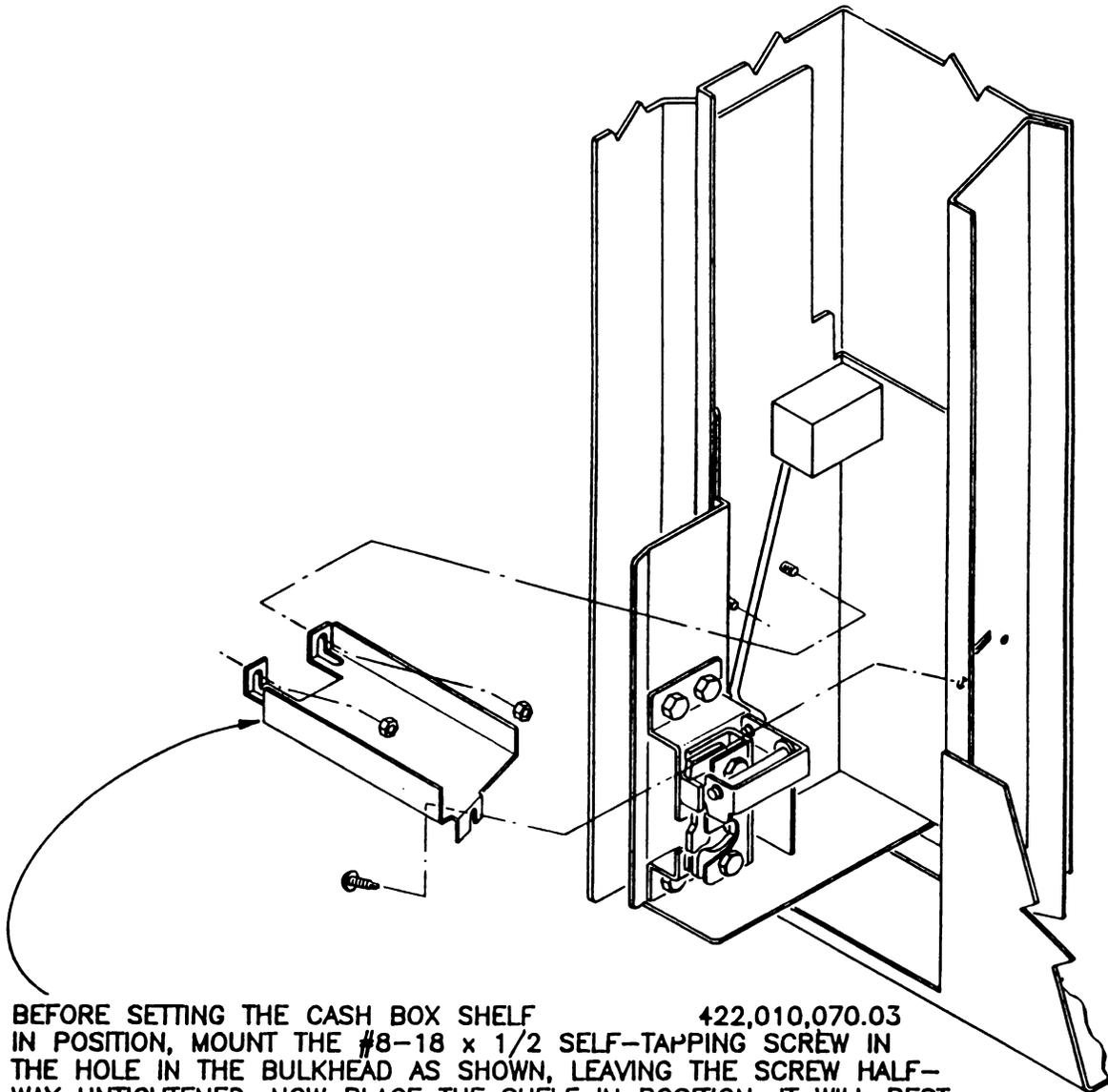


ILLUSTRATION #11

# CASH BOX INSTALLATION

Models: Pepsi Magnum Circular (2858DJ and higher through 3102AN, excluding 3101AN).



BEFORE SETTING THE CASH BOX SHELF  
IN POSITION, MOUNT THE #8-18 x 1/2 SELF-TAPPING SCREW IN  
THE HOLE IN THE BULKHEAD AS SHOWN, LEAVING THE SCREW HALF-  
WAY UNTIGHTENED. NOW PLACE THE SHELF IN POSITION. IT WILL REST  
ON THE TWO THREAD STUDS IN THE MAIN BRACKET AND THE SCREW  
INSTALLED EARLIER. FASTEN THE TWO #8-32 NUTS AND TIGHTEN TO  
SECURE THE SHELF IN PLACE. NOW PLACE THE NEW CASH BOX  
422,010,010.03 ON THE SHELF.

422,010,070.03

ILLUSTRATION #12

# CASH BOX INSTALLATION

Models: Landscape Coke (2949DK and higher prior to 2984BL) with cash box shelf.

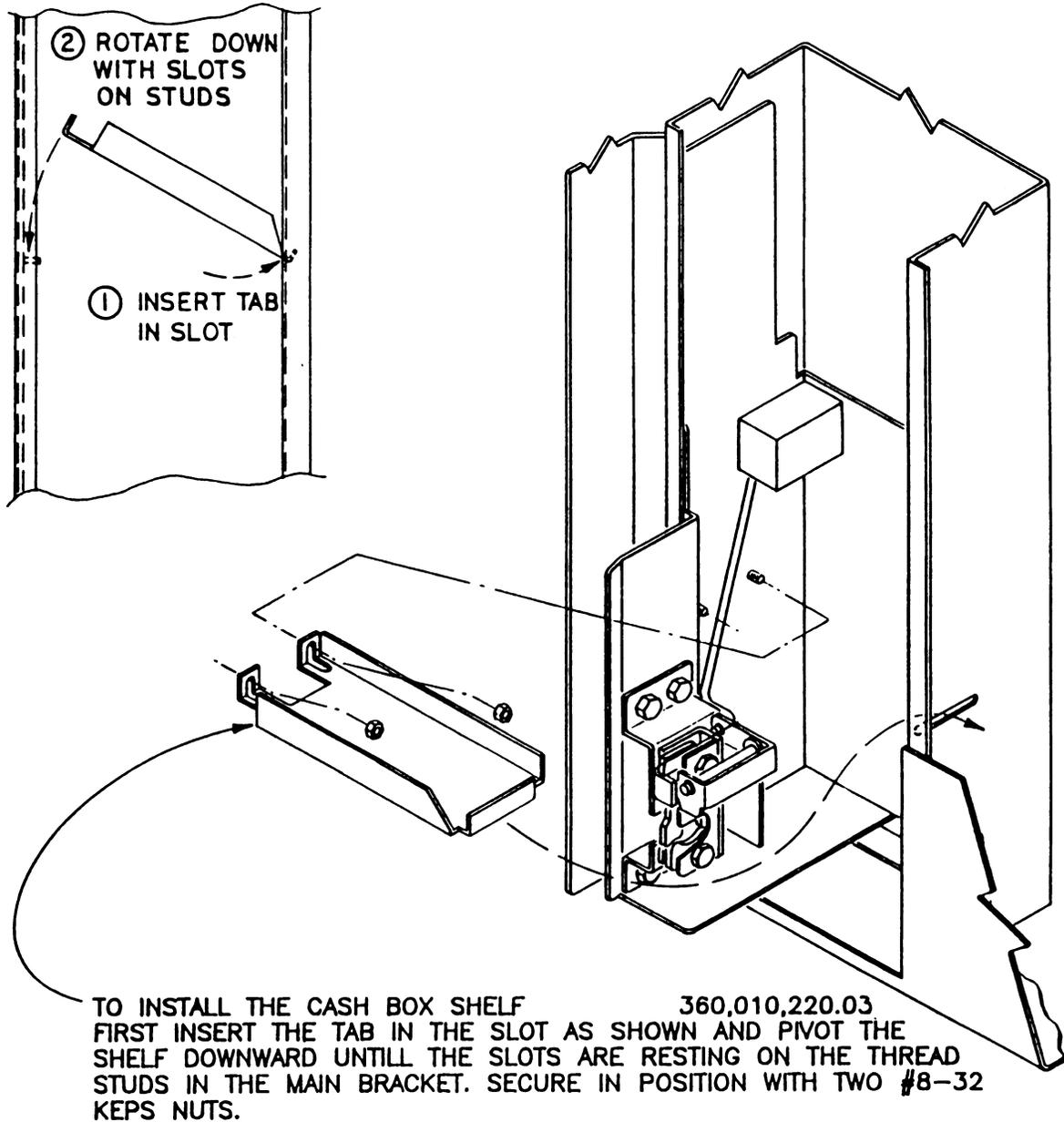
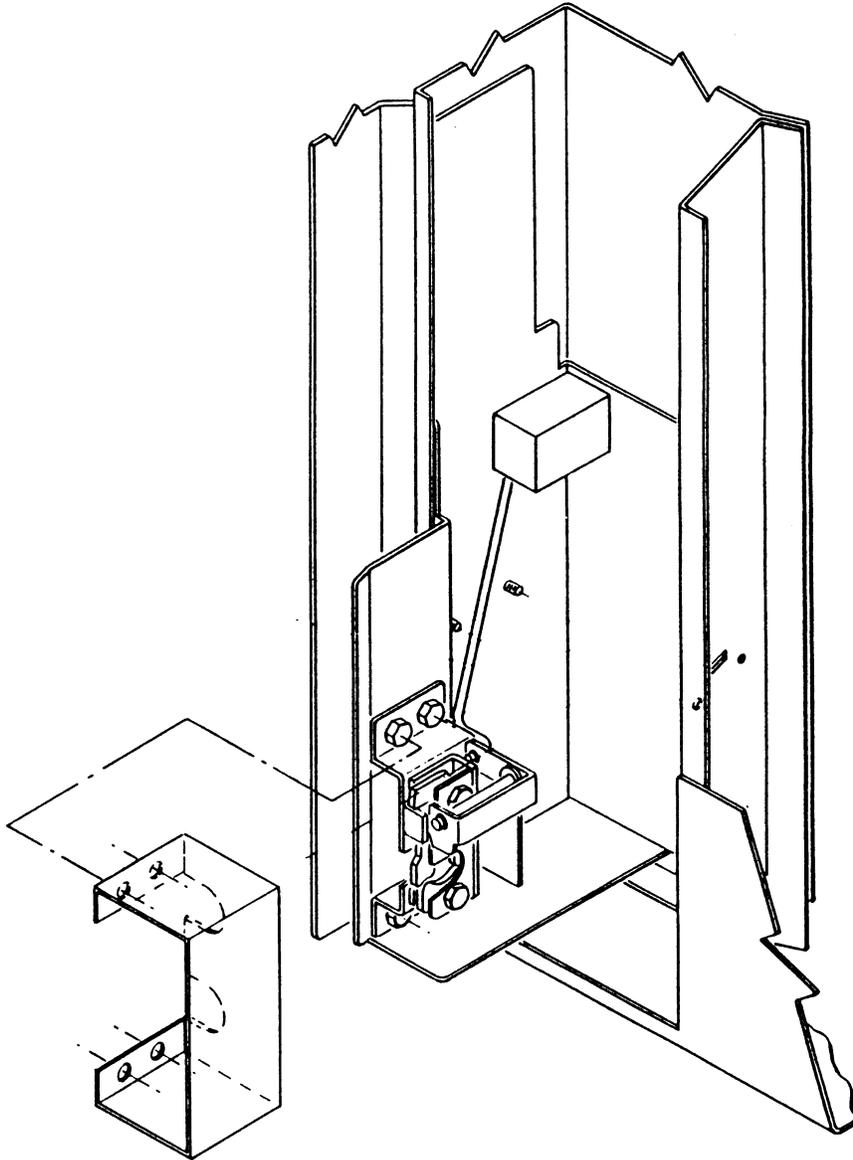


ILLUSTRATION #13

# LATCH BAFFLE

Models: Any vender with a coin bag system which would interfere with the operation of the E.S.K. (Glenview, Honor Gard, Etc.)

Note: If the main bracket assembly of the E.S.K. includes the 360,010,210.03 latch baffle and the vender it is mounted in does not have any of the coin bag systems mentioned above, remove the 360,010,210.03 latch baffle from the assembly.



To install the latch baffle (360,010,210.03), remove the four (4) 5/16-18 nuts securing the latch mount to the main bracket. Position the baffle on the four (4) thread studs as shown and reinstall the nuts.

**ILLUSTRATION #14**

# INSTALLATION OF LOCKS SUPPLIED BY CUSTOMER

1. Install lock cylinder and (491,010,110.03) mount, lock cylinder cover and secure with lock body nut.
2. Install the lock cam (part of E.S.K. assembly) on the lock cylinder as shown, and secure with nut and lockwasher.
3. Install the (491,010,120.03) lock cylinder cover and secure with screws as shown. Note: The formed lip of the cover interlocks with the formed lip of the mount for proper installation.

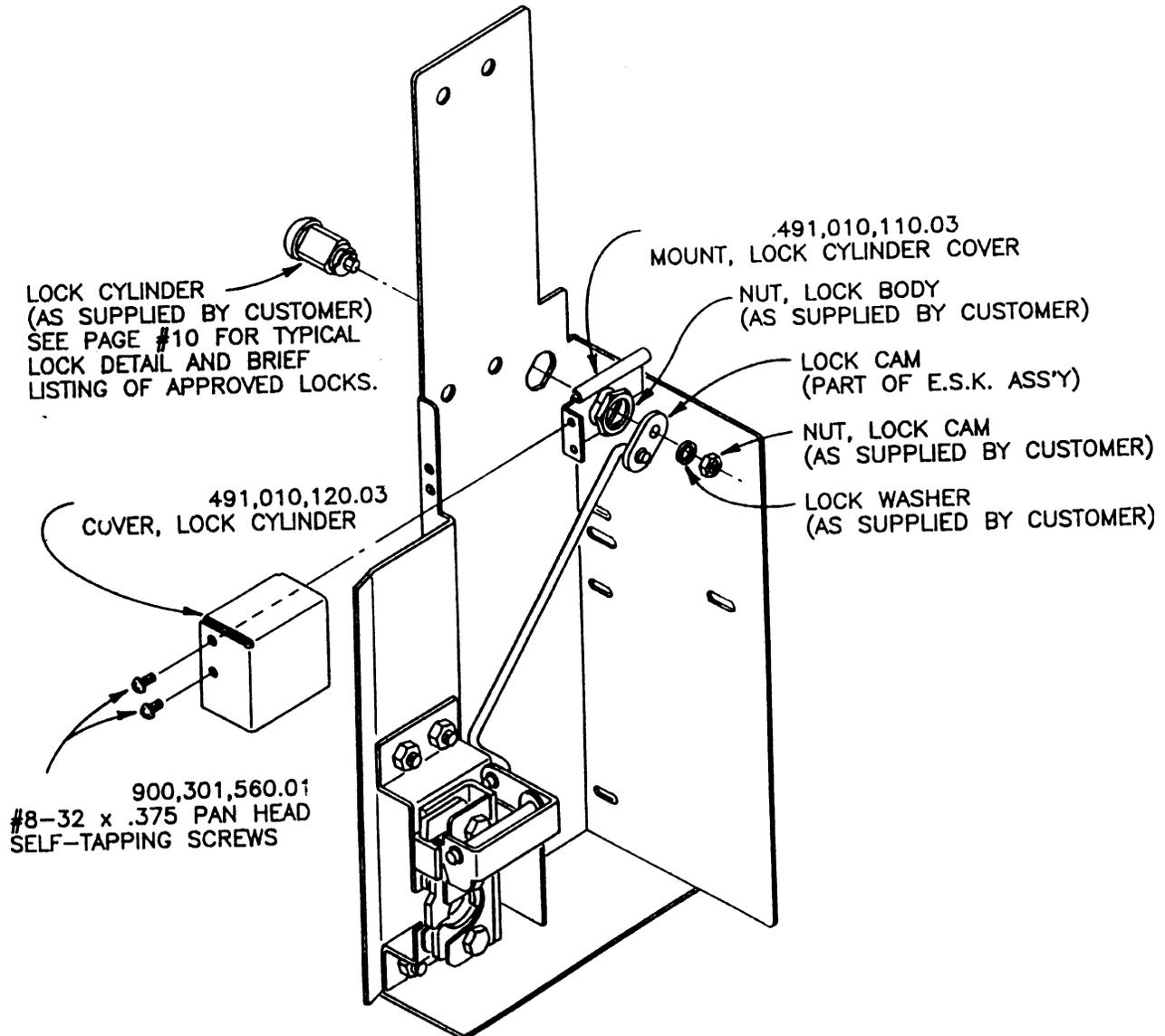


ILLUSTRATION #15

## CHECK LIST

- Make sure you have keys in hand before closing the door.
- The key operates de-latch position when door is open.
- All fasteners are tight.
- All chips and dirt from rework are cleaned up.
- Check vertical centers from base to center of latch opening on door and from base to center line of latch pin to be sure they are in line. The suggested method for checking is to thoroughly coat the front of the .56 diameter latch pin with the white china marker, position the latch of the E.S.K. in the closed position and close the door gently until the latch strikes the latch pin. If the white mark found on the closed latch is on the same vertical centerline as the opening for the latch pin in the latch, then the parts are in alignment. If the white mark is higher than the centerline, the latch pin mount (mounted on the cabinet) should be lowered. If the mark is low, the mount should be raised.
- See operation description below before proceeding.
- Make sure latching takes place in both primary and secondary positions.
- Door opens.
- Record the numbers of the lock and keys, E.S.K., and vender (model and serial number), so replacement keys may be ordered if keys are lost.

## OPERATION

### WHEN INSTALLATION IS COMPLETE, THE VENDER DOOR SHOULD OPERATE AS FOLLOWS:

#### TO CLOSE:

1. Latch is in the de-latched position.
2. Close the door firmly and the slam latch locks onto a .550/.545 diameter rod mounted on a weldment attached to the cabinet base box.
3. Screw the T-handle lock fully and push the handle into the locked position.

#### TO OPEN:

1. Unlock and unscrew the T-handle fully.
2. Insert the key in the lock and turn to de-latch.
3. Turning the key raises the cam plate on the back of the lock.
4. Cam is connected to a lift bar which raises a pivoting release finger channel.
5. Raising the release finger trips the de-latching mechanism.
6. The door can now be opened fully.
7. Remove the key and the latch remains open. The door is ready to be closed.

**DESCRIPTION & PRODUCTION RUNS  
OF 72" AND 79" TALL DN VENDERS**

Part Number	Description	QUANTITIES REQUIRED PER VENDER													
		Landscpe Coke (2984BL & higher)	Landscpe Coke (2984BL & higher) with honor gard or Glenview Coin Bag system installed.	Landscpe Coke (2949BK & up prior to 2984BL) with cash box shelf	PC-Mag. Circ. (3101AN & up excluding 3102AN)	PC-Mag. Circ. (3101AN & up excluding 3102AN with Honor Gard or Glenview Coin Bag System installed.	PC-Mag. Circ. (2858DJ & up thru 3102AN excluding 3101AN) with angled bulkhead	PC-Mag. Circ. (2858DJ & up thru 3102AN excluding 3101AN) w/ angled bulkhead & honorgard or Glenview coin bag system	RC Round Front (3036AM) & higher	RC Round Front (3036AM & higher) with honorgard or Glenview coin bag system installed	Generic Round Front (3036AM & higher)	Generic Round Front (3036AM & higher) with honor gard or Glenview coin bag system	Can Display Venders (3091AM & higher)	Can Display Venders (3091AM & higher) with honor Gard or Glenview coin bag system installed.	E-Models (0001-6368DU to 0814-6452AW) (Additional parts needed)
491,010,900.34	Enhancement Security Kit	1	1	1	1	1	1	1	1	1	1	1	1	1	
360,010,210.03	Latch Baffle		1			1		1		1		1		1	
422,010,010.03	Cash Box Weldment						1								
422,010,040.03	Filler Plate Weldment						1	1							
422,010,070.03	Cash Box Shelf, Pepsi						1								
360,010,220.03	Cash Box Shelf, Coke			1											
900,800,500.01	Nut, #8-32 Keps			2			4	2							
491,010,150.03	Latch Pin Mount & Baffle Assy.														1
491,011,020.03	Back Up Plate, "E"														1
800,303,200.01	Hex Bolt, 5/16-18x3"														4
900,700,130.01	Lockwasher														4
900,801,020.01	Hex Nut, 5/16-18														4
491,011,010.03	Spacer "E"														1