

**SC CONVERSION KIT:  
SC 5 MACHINES WITH SYSTEM 200/A  
(Part #4K01465-FI)**



The System 200/A—SC5 Conversion Kit provides all the components needed to convert an original SC-5 change machine into a modern changer with a high quality OEM bill acceptor and new control board. The kit includes the SC-Conversion Controller Tower with Power Supply, MEI/Talos Bill Acceptor, Out of Service lamp, and all the cables and mounting hardware needed for the installation.

This kit was designed to be easily installed. Tools needed include a standard **3/8 socket set**, pair of **needle-nose pliers**, and a medium **Philips head screwdriver**.



#### The 4K01465-FI Kit includes the following:

- SC Controller on Tower Stand —Part #5A00221 SC-Conversion Controller (Mounted on stand w/ #5P00117 Power Supply)
- MEI /Talos Bill Acceptor—Part #5V00365 (\$1-\$20 bill acceptance with 500 bills Stacker)
- Out of Service cable, lamp, and clip—Part #1L00133 (Red - with #4C00300 Cable)
- Stainless steel Front Acceptor Plate—Part #2F07994
- Stainless Steel Back Acceptor Mount—Part #2F07909 with (4) #3M01014 Hex Standoff Spacers
- MDB Bill Acceptor Comm Cable —Part #4C00263—MDB Communication Cable (White 6-Pin plugs)
- Cable Clamps and Hardware

## **STEP 1: REMOVE OLD ACCEPTOR AND INSTALL THE SC CONTROLLER TOWER**

- Turn off the power and unplug the Sys 200/A Power Cable (at top of power box and plugged in to System 200/A validator) and grounded plug from Power Box outlet. (FIG #1)
- Remove the System 200/A by removing (4) nuts holding the base to the bottom of the cabinet. (FIG #1)
- Pull the System 200/A up and out. (FIG #2)
- Install the SC Conversion Controller Tower Stand/Power Supply by securing the base over existing studs



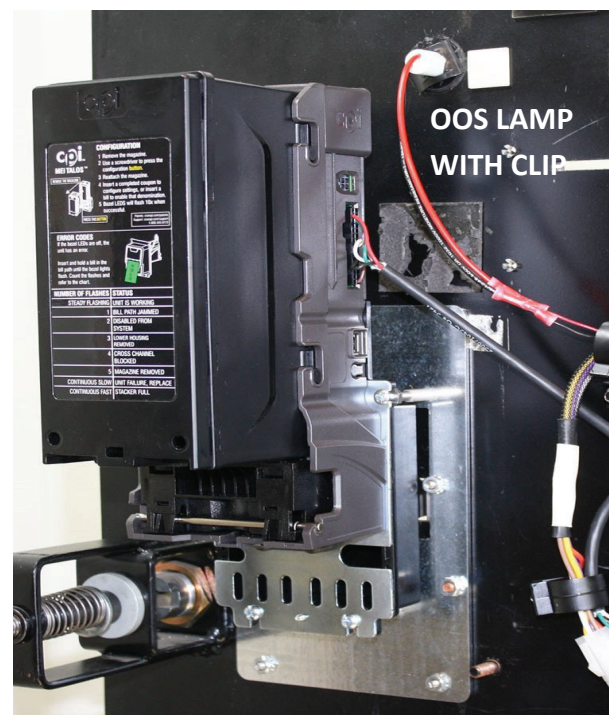
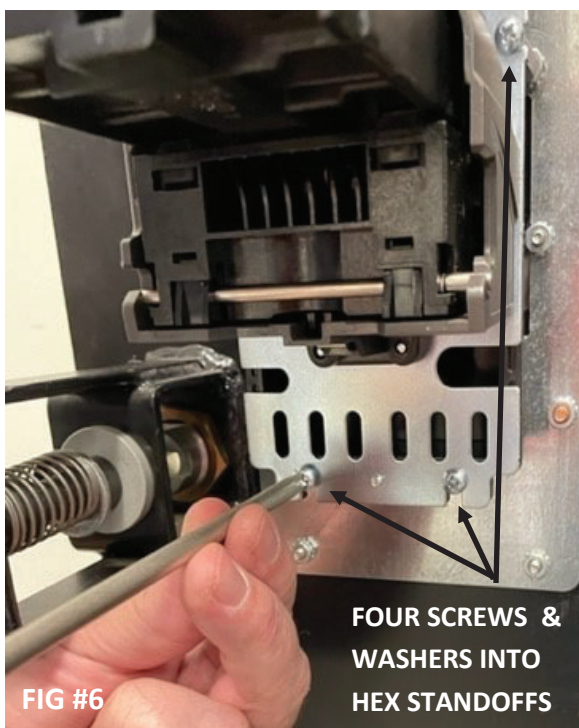
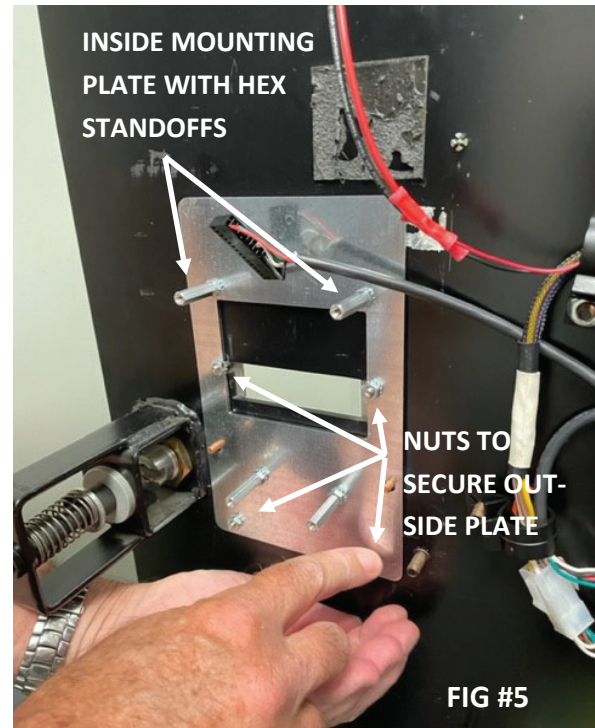
System 200/A Validator removed from the cabinet. Arrows show locations of the Mounting Studs for the SC Controller Tower (same studs used by the System 200/A validator)

Position the SC Controller Tower over the same threaded studs on the bottom of the cabinet and secure with (4) 7/16 nuts. (the four studs are shown in FIG #2, and two front studs are shown in FIG #3 )



**STEP 2: INSTALL THE OEM BILL ACCEPTOR AND MOUNTING HARDWARE**

- Remove the old System 200/A bezel from the cabinet door by removing nuts on the inside of door (not shown).
- Install the new two piece Bill Acceptor Mounting Plates to the door (1 Inside & 1 Outside). The Outside Plate is installed first, then the Inside Plate (acts as a backer plate) must be in place when you secure the Outside Plate with the (4) 7/16 nuts. The Inside Plate has (4) Hex Standoffs/Spacers attached that will face inside the cabinet (FIG #4 and #5)
- Mount new MEI/Talos Bill Acceptor to the Hex Standoffs using the four screws and washers provided (FIG #6)



### **STEP 3: CONNECT ALL CABLES**

Insert the new Out of Service lamp through the circle hole on the cabinet door, and secure with clip on the inside of door. You must push the clip over the white plastic tube of the lamp.

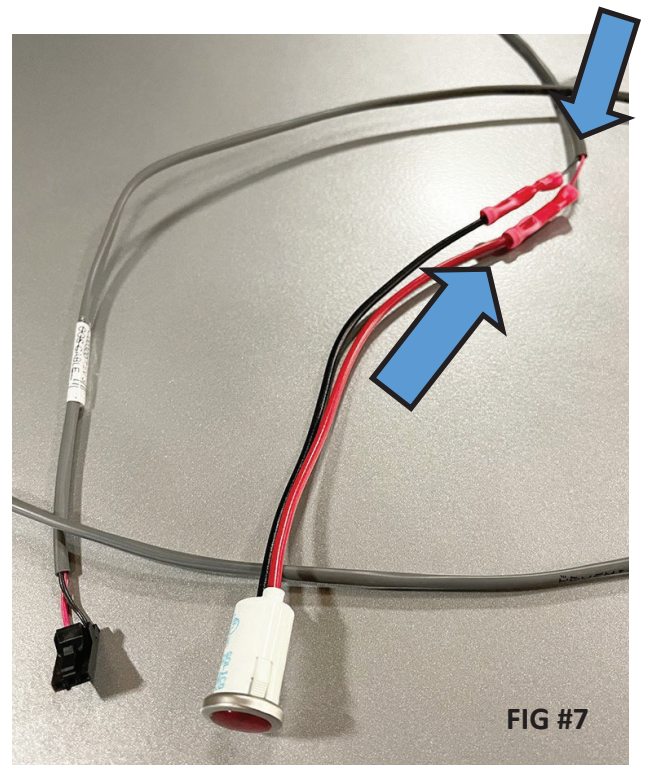
Insert the two ends of the lamp into the Out of Service Cable (4C00300) connectors, being sure to **match red with red wire and black with black wire**, and secure the wires by squeezing the connectors with a pair of needle-nose pliers (FIG #7). Run the other end of the cable to the bottom of the control board and plug into the connector port labeled "OOS." (FIG #8)

Plug the Bill Acceptor Power Cable (4C00263 with 6-pin white connector) into the white connector on the bill acceptor harness. (NOTE: you will have one connector on the bill acceptor harness left unplugged). Run the Bill Acceptor Power Cable to the bottom of the SC-Conversion Controller and plug into the connector labeled "MDB."

Plug in the remaining cables to the Control Module

- 24V D.C. Power Supply Cable (black barrel connector) to "24V IN" port in Controller. NOTE: Unplug the removable part of the AC cord from the power supply and run it through the power input hole from the outside of the machine and plug back in to the supply. (FIG #9)
- Gray Hopper Communication Cable plugs into the connector "A" port on the right side of the SC control board.
- Original Power Cable to the appropriate power connector on the right side of the SC Controller

**SEE FIG #8 for ALL FINAL CONNECTIONS**



**NOTE:** You will get a SOLD OUT error if you do not have the original power supply plugged in and powered up.

### **STEP 3: CONNECT ALL CABLES**

#### **RUNNING POWER CORD THROUGH OPENING (FIG #9)**

Disconnect the removable end of the electrical cord from the Power Supply strapped to the SC Controller Tower.

From the outside of the cabinet—run that connector through the hole in the back, lower right of the cabinet (where the other power cord is coming out of the cabinet), so that the plug is outside the cabinet.

Connect the power cable back into the power supply strapped to the back of the SC Controller Tower.



**FIG #9**

#### **CHECK YOUR CONNECTIONS:**

**POWER SUPPLY**—The black BARREL Connector from the SC Controller Power Supply (Strapped to the back of the Tower) connects to the “24V IN” port on the bottom of SC Controller.

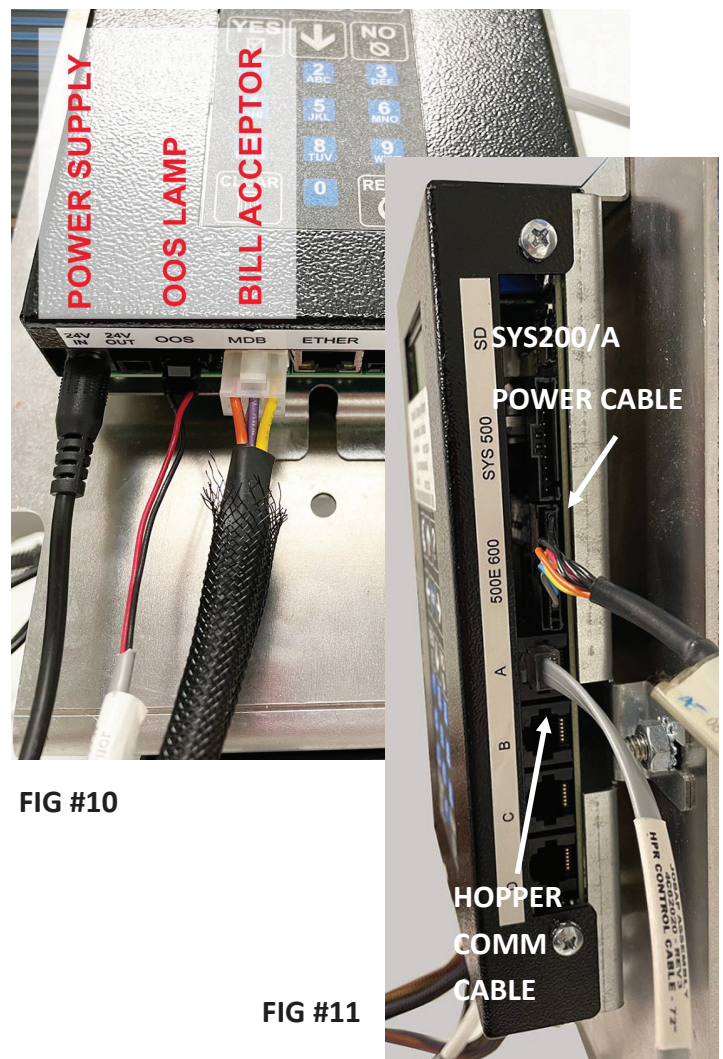
**OOS LAMP**—The black 2-PIN connector from the OOS LAMP connects to the “OOS” port on the bottom of SC Controller.

**BILL ACCEPTOR**—The white 6-PIN connector from the Bill Acceptor Comm cable connects to the “MDB” port on the bottom of SC Controller.

**HOPPER**—The RJ (phone jack) Connector on the flat, gray cable from the Hopper connects to Port “A” on the right side of the SC Controller.

**SYS200/A POWER**—The multi-PIN black connector removed from the System 200/A Validator plugs into the “500E/600” port on the right side of the SC Controller

**(SEE FIG #10 and #11)**



**FIG #10**

**FIG #11**

## **STEP 4: SECURE CABLES AND TEST FOR PROPER OPERATION**

- Use the cable clamps provided and secure to the threaded studs inside the cabinet.
- Plug the multi-PIN, black connector (200/A Power Cable) and grounded plug back into the power supply box on the upper right side of the cabinet (with the red switch) - that you disconnected at the beginning.
- Route the wires through the clamps, making sure not to pinch any cables.
- Plug the SC Controller power supply AC cord into a 120VAC outlet OUTSIDE THE MACHINE.
- **DO NOT PLUG THE SC CONTROLLER POWER SUPPLY INTO AN OUTLET ON THE POWER BOX INSIDE THE MACHINE!**
- Plug the original power supply cord into a 120VAC outlet. Turn on machine by switching the Red Switch (on the power supply box inside the cabinet).
- **TEST THE MACHINE:** Put some coins in the hopper, so that the Sold Out sensor is covered. Close the door—or put a box under the hopper to catch the coins. Insert a bill in the bill acceptor.



## SC-5 With Conversion Kit



Thank you for purchasing the SC –5 Conversion Kit for your existing change machine. To download the operating guide for the SC Controller - please visit our web site at: [www.standardchange.com](http://www.standardchange.com)

You will find the Owners Manual page under the SUPPORT tab. You are looking for the manual labeled: [SC-Conversion Kit Operating Instructions \(#8M00619\)](#) which is included in the SC (System 500/600) series manuals.



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