SNACKIQ Installation Instructions

Thank you for purchasing the TriTeq Snack IQ lock kit. Your package should contain the following components:

There are three tools required to install the SNACKIQ lock:

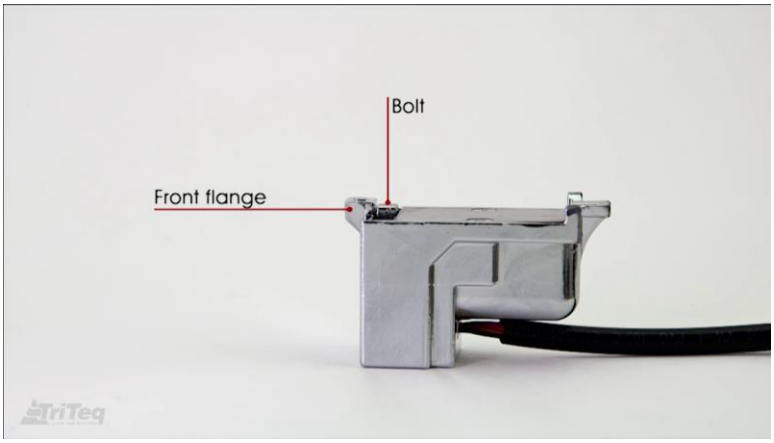
- Phillips head screwdriver
- 2.5 mm allen driver
- Channel lock pliers

WARNING: Do not connect any wiring to the lock until it is fully assembled.

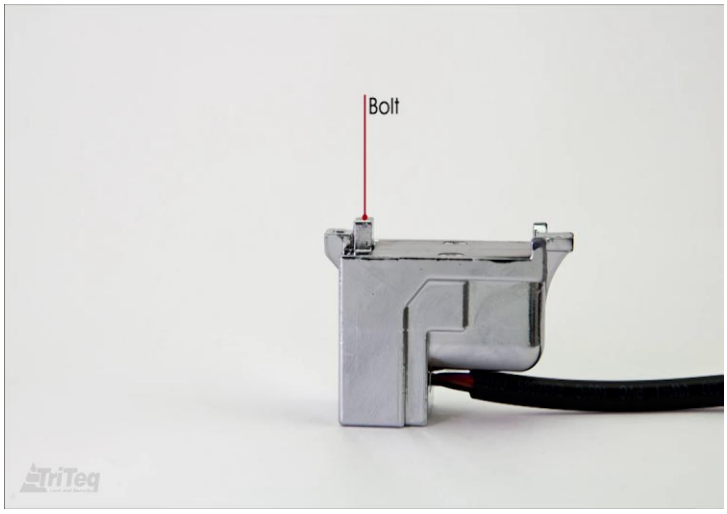
1. Unbolt the existing t-handle and housing assembly from the vending machine. Disconnect the threaded bolt, cam or lock bar operator from the existing t-handle by removing the C-clip, spring and washer.

2. Mount the SnackIQ housing to the vending machine using the mounting hardware from the original t-handle.

3. Check the latch module for correct bolt position.



Correct Position: This view shows the retracted position of the bolt – flat with or below the surface of the front flange. The bolt should be in this position when you receive this lock kit from TriTeq. If the latch module is as shown, proceed to step 4.

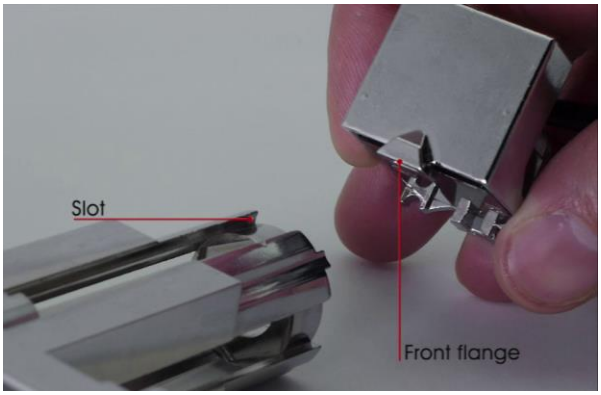


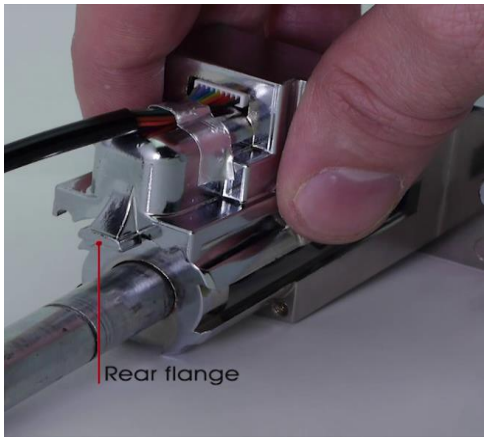
Incorrect Position: This view the bolt is extended. Do not attempt to mount the latch module if the bolt is extended above the surface of the front flange as shown. Do not attempt to push or force the bolt down below the surface of the front flange to the retracted position.

For instructions on how to correct this situation, refer to the “Latch Module Bolt Position Correction” section found at the end of these instructions.

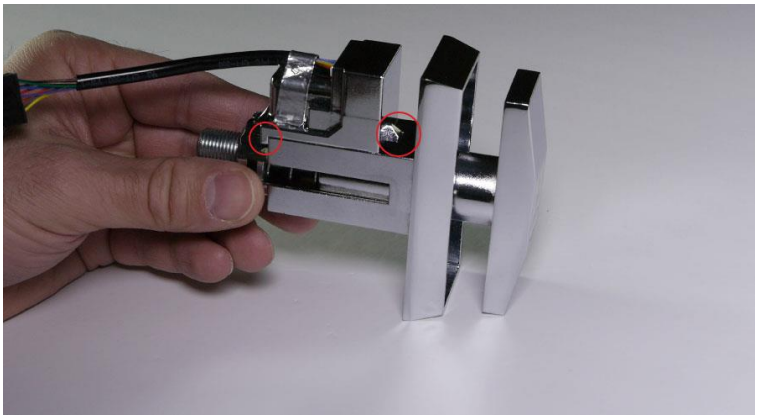
4. Select the latch module mounting orientation. The latch module is capable of sliding onto and mounting to the housing in either a vertical or horizontal position on the housing. For example when the t-handle is mounted vertically to a door, the latch housing can be mounted at the 12:00 or 3:00 positions. If one of these positions is not suitable, simply flip the housing orientation 180 degrees and the latch housing would be positioned at either the 6:00 or 9:00 positions. At least one of these four mounting positions will be available and should be chosen such that the latch module will not interfere with any other component surrounding the t-handle in your machine.

5. Attach the latch module to the SnackIQ housing. Slide the latch module on the housing by lining up the front flange on the latch module with the slot on the housing and begin to slowly slide the flange of the module into the housing slot.



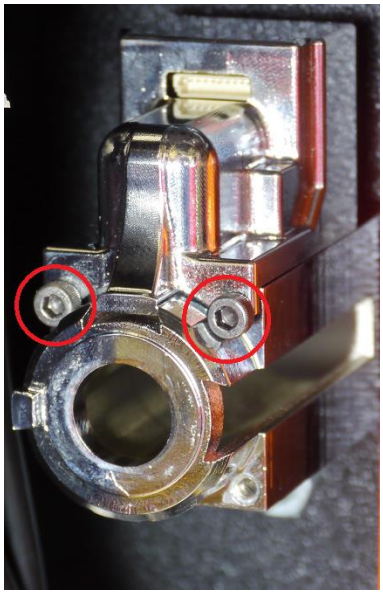


Line up the rear flange with the slot on the housing and complete sliding the latch modules into the housing while both the front and rear flanges are in the housing slot.



The latch module will be fully seated in the housing only when both the front flange is fully seated in the notch at the end of the slot, and the latch modules legs are fully seated at the rear of the housing at the fastening location.

If one of the mounting bolts for the SnackIQ housing interferes with the latch module and will not allow the latch module to fully seat into the housing, cut the excess threads off the mounting bolt, or replace it with a shorter bolt.



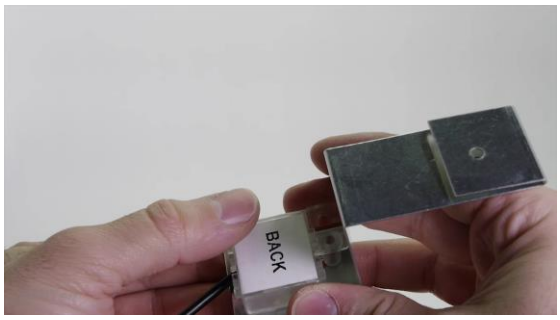
Fasten the latch module to the housing using two #5 set screws and the 2.5 mm allen driver.

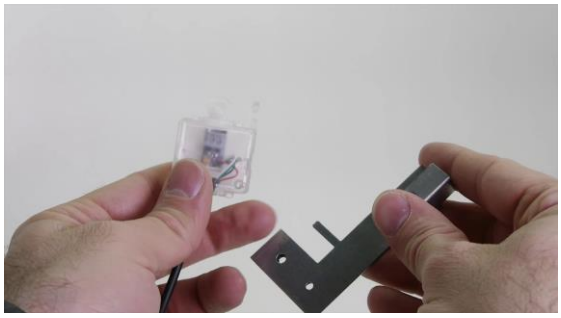
6. Insert the SNACKIQ t-handle into the SnackIQ housing and connect the threaded bolt, cam or lock bar operator using the spring, washer and C-clip.

7. Connect the latch module connector to the latch module wire harness, then the latch module wire harness to the CPU.

8. Select a mounting location for the receiver and mount it to the vending machine.
Note: The back surface of the receiver is marked “BACK”. The orientation of the receiver is critical to the lock operation. The front surface of the receiver must be facing toward the location where the Triteq key will be pointing to operate the lock.

There are two receiver mounting brackets to choose from, so select the appropriate one for your application.





Select a location on the machine to mount the receiver so that the TriTeq electronic key can properly communicate with the lock. The location will vary depending on your machine. You should select the same mounting location on all your vendors to avoid confusing the route drivers and service personnel.

Examples of mounting locations for snack and glass front machines are: behind the glass or behind the coin insert slot or inside the product delivery chute taking care that the infrared signal can still reach the receiver either directly or through a hole or slot in the chute. In this example, the key will be pointed into the product delivery chute to operate the lock. Use the enclosed self-tapping screw to attach the bracket to the frame. A cordless screwdriver may help in this application.

If there is any obstruction between the receiver and the key it must be a non-black transparent color for the infrared signal of the key to operate. In addition, avoid locations near the florescent bulbs or other light sources to reduce any interference with the communication between the key and the receiver. You may want to use a sticker on the machine to identify where to point the key.

9. Connect the receiver wire harness to the CPU.

10. Connect the power wire harness 6-pin connector to the CPU.

11. Mount the CPU in the machine.
After all wiring to the CPU is complete; the CPU can be mounted inside the door of the vendor with the enclosed Velcro fastener or another fastener of your choice.

12. Connect the power to the CPU.
First disconnect the MDB power source to the dollar-bill-validator and next connect the power harness in series between the MDB and the dollar bill validator.

13. Confirm lock operation.

Once fully assembled, the unit is locked by pushing in the t-handle to the latched position. If your operator is a threaded post, make sure to over-turn the handle about 1/8 of a turn in the clock-wise direction, and then turn the handle back in the counter-clockwise direction so the handle is free-moving before pushing-in the handle to the latched position. Once latched, the motor will operate for 3 seconds to move the bolt to the locked position.

14. Mount the 9-volt back-up power connector.
Select a location accessible from outside the vendor when the door is closed and locked. One example location is above the product delivery chute, where it can be accessed by reaching into the chute to pull the connector into the product delivery area. A 9-volt battery can be applied to provide temporary power to the lock. When finished, disconnect the battery and re-stow the connector.

15. Select a location for the emergency hot wires for the lock.
In the event of a lock failure, the wire harness contains wires to hot-wire the motor of the lock. These wires can be located in a hidden location of your choice that allows them to be accessed from outside the vendor when the door is closed and locked. A 9-volt battery can be applied to hot-wire the lock. If you choose to not use these wires, they may be left bundled up or removed completely by cutting the wires off. Note that if you choose to cut the wires off, check to make sure there are no exposed wire strands from the tips of the wires. These could either short together or from contact with a metal part of the vending machine.

16. Programming the keys to the lock
The SnackIQ lock comes pre programmed to the P1 factory key code. All locks should be programmed to key codes exclusive to your company with keys you purchase from TriTeq.

To program a key to the lock, press and hold the small black program button on the CPU until the yellow LED illuminates. Point the selected key at the receiver and press the center button. The red or green LED on the key should stay on for 5 seconds. The yellow LED will flash for 20 seconds indicating that the key code has been accepted. Note that the lock will accept two key codes, one from a black route key and one from a blue or red zone key. You can get as many keys either keyed alike or keyed different to suite your specific needs.

Lock Malfunction/Troubleshooting
In the event of a lock malfunction, please refer to the VendIQ Tech Manual's troubleshooting section.

Converting the SnackIQ Back to a Mechanical Lock Plug
Unlock the lock and unscrew and remove the SnackIQ latch module. Then remove the round label and front plug from the SnackIQ t-handle using a 1/16 allen wrench. Then insert the lock plug.

Latch Module Bolt Position Correction
While the lock is in the fully wired and connected condition, disconnect the main power source and connect the battery so the lock is powered by the battery only. With one hand holding the battery and one hand holding the P1 key, point the key at the receiver and press the button on the key to access the lock. As soon as the bolt retracts, remove the battery power quickly while the bolt is retracted so the bolt remains in the retracted position.