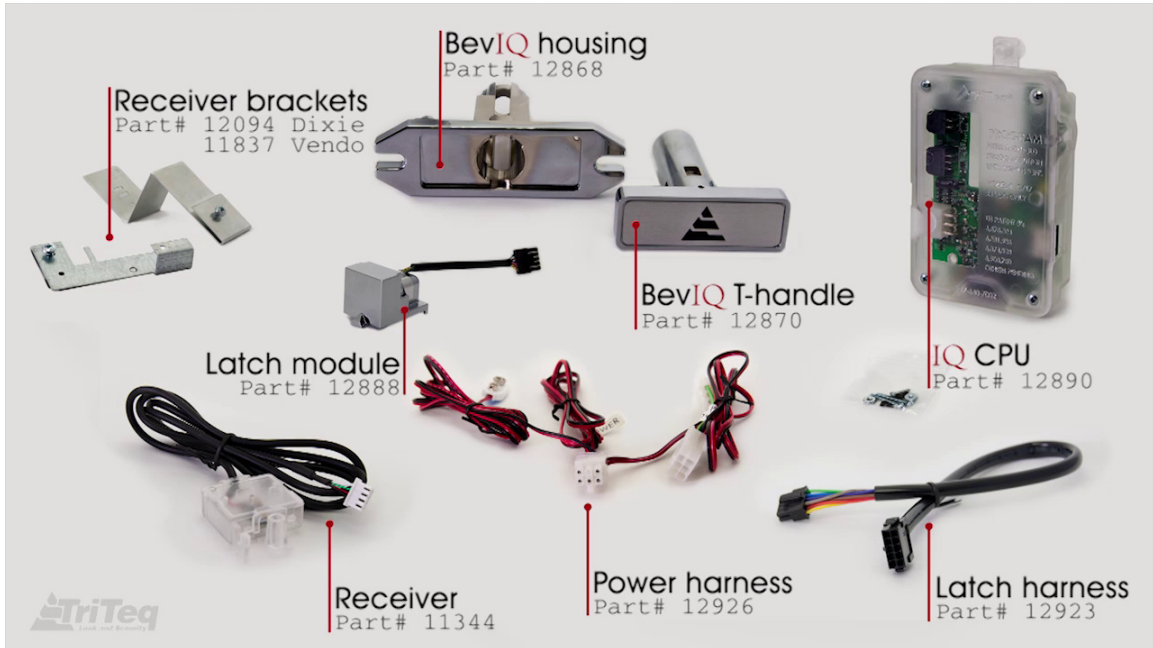


# BEV IQ Installation Instructions

Thank you for purchasing the TriTeq Bev IQ lock kit.

Your package should contain the following components:



There are three tools required to install BEVIQ lock:

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

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

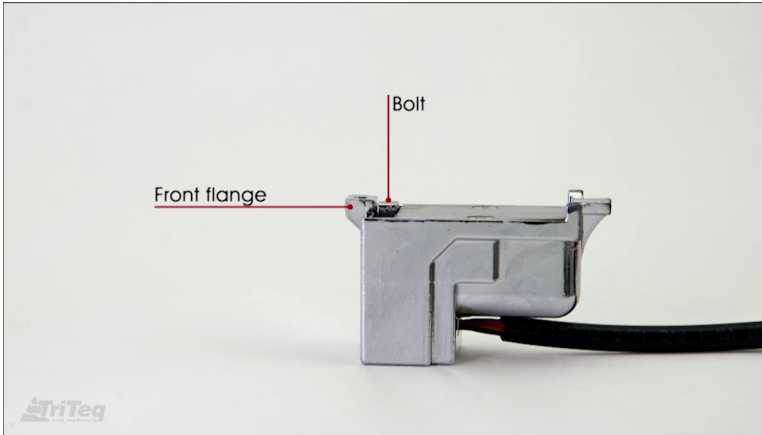
Note that the mounting and posts for the coin release and shoot are identical on your existing housing and the BeviQ housing.

**1. Disconnect the threaded bolt from the existing T-handle** by removing the C-clip, spring and washer.

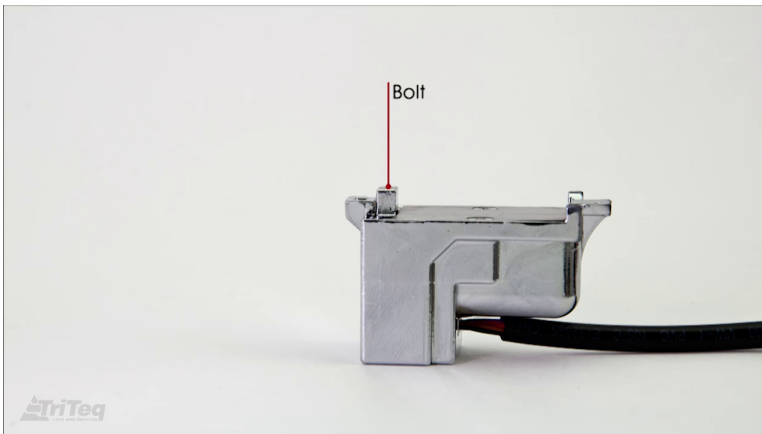
**2. Connect the threaded bolt to the BeviQ t-handle.** When complete place the BeviQ t-handle into the BeviQ housing and attach the spring, washer and C-clip.

**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.



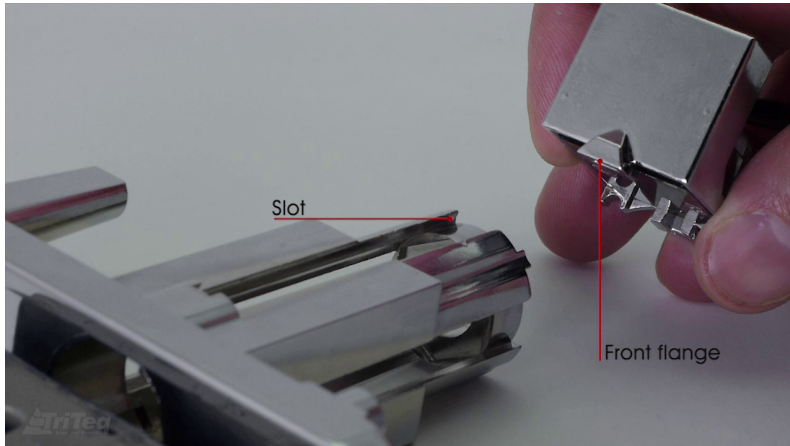
For instructions on how to correct this situation, refer to the “Latch Module Bolt Position Correction” section found at the end of these instructions.

**4. Select the latch module mounting orientation.** The latch module is capable of sliding onto and mounting to the housing in 3 different positions on the housing. For example when the t-handle is mounted horizontally to a door, the latch housing can be mounted at the 12:00, 3:00 or 6:00 positions. Or when the t-handle is mounted vertically to a door, the latch housing can be mounted at the 3:00, 6:00 or 9:00 positions. Chose the orientation such that the latch module will not interfere with any other component surrounding the t-handle in your machine. (Two examples below.)

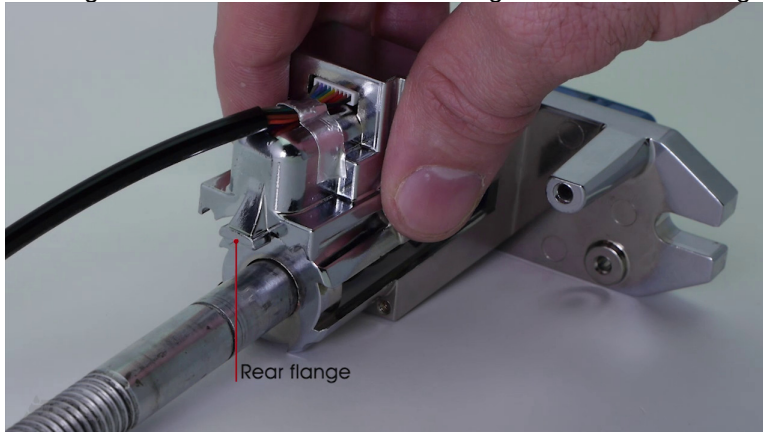


**5. Attach the latch module to the BevlQ housing.**

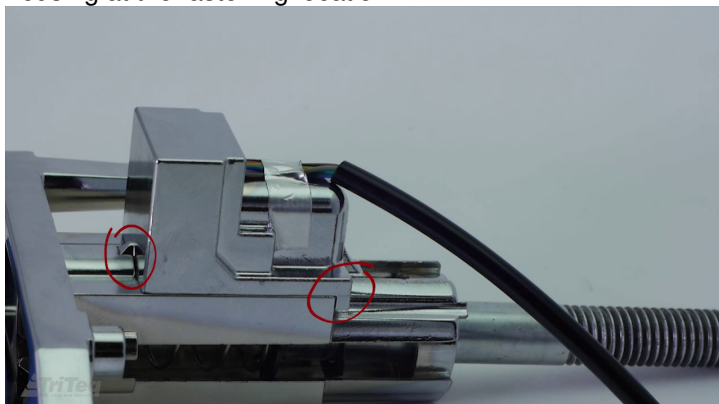
Slide the latch module on the housing by lining up the front flange on the latch module with the slot on the housing and begin to slowly slide the flange of the module into the housing slot.



Line up the rear flange with the slot on the housing and complete sliding the latch module 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.



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



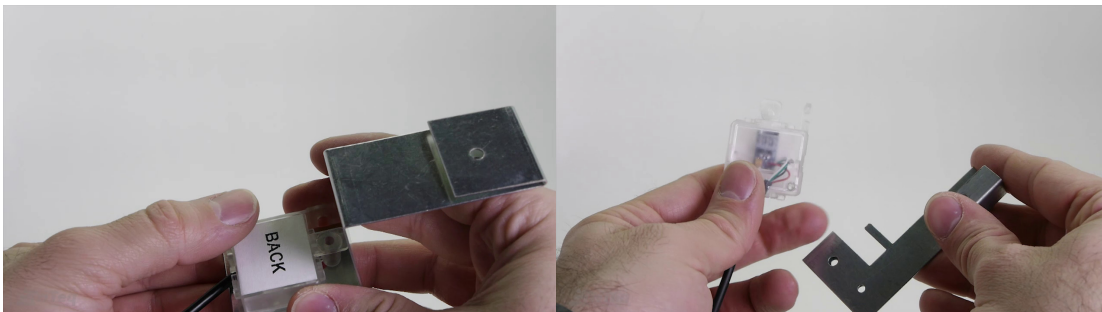
**6. Connect the latch module connector to the latch module wire harness, then the latch module wire harness to the CPU.**



**7. 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 Tritiq 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 TriTeg 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.

One example location (see below) is behind the product selection buttons along the right hand edge of the door. The receiver is attached to the frame of the vendor holding the coin acceptor. After swinging the coin acceptor door back to the closed position, the receiver will face into the rear of the selection buttons so the key can be pointed into the button to operate. Note that the button label must be a non-black opaque color for the infrared signal of the key to operate.



Use the enclosed self-tapping screw to attach the bracket to the frame. A cordless screwdriver may help in this application.

In another example (see below), the receiver is attached to the frame of the vendor at the corner of the sign-face. You can also position it behind the sign face at a lower location. The receiver will face into the rear of the sign-face so the key can be pointed into the sign-face to operate. The sign-face must be a non-black opaque 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 sign face to identify where to point the key.





In a final example, the receiver is mounted inside the product delivery chute. The key will be pointed into the product delivery chute to operate the lock.



**8. Connect the receiver wire harness to the CPU.**



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

**10. 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.

**11. 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.

### **12. Confirm lock operation.**

Once fully assembled, the unit is locked by pushing in the t-handle to the latched position. Once latched, the motor will operate for 3 seconds to move the bolt to the locked position.

When accessed by the P1 key, the handle will release within about 3 seconds

### **13. 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.

### **14. 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.

### **15. Programming the keys to the lock**

The BeviQ lock comes pre programmed to the P1 factory keycode. All locks should be programmed to keycodes 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 keycode has been accepted. Note that the lock will accept two keycodes, 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 BeviQ Back to a Mechanical Lock Plug**

Unlock the lock and unscrew and remove the BeviQ latch module. Then remove the round label and front plug from the BeviQ 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. Next, proceed to mount the latch module to the housing as described earlier in the video.