

# INSTALLATION INSTRUCTIONS

## Cart Assembly 3FL with Pumps and Regulators

### SAFETY INSTRUCTIONS

**WARNING:**

Before starting installation, read and understand all safety label and warnings on the machine. Also review and understand all safety instructions in the owners, installation and service manuals.

**Failure to comply could result in serious injury, death or damage to the equipment.**

### QUALIFIED SERVICE PERSONNEL

**WARNING:**

Only trained and certified electrical, plumbing and refrigeration technicians should service this unit. **All wiring and plumbing must conform to national and local codes. Failure to comply could result in serious injury, death or equipment damage.**

### SAFETY PRECAUTIONS

This unit has been specifically designed to provide protection against personal injury. To ensure continued protection observe the following.

**WARNING:**

Disconnect power to the unit before servicing. Follow all lock out/tag out procedures established by the user. Verify all power is off to the unit before performing any work.

**Failure to comply could result in serious injury, death or damage to the equipment.**

**CAUTION:**

Always be sure to keep area around the unit clean and free of clutter.

**Failure to keep this area clean may result in injury or equipment damage.**

## INSTRUCTIONS

### Applies to:

621058482 Cart, Viper Elite Pre-Plumbed 3FL

### Supplied Parts:

P/N 620045325 - Shim, 2.50 OD X 0.625 ID X 0.075 - Quantity 4

### Tools Required:

3/4" Open-End Wrench

3/4" Socket and Ratchet set

### Safety:



#### WARNING:

Before starting the installation read and understand all safety labels and warnings on the machine. Also review and understand all safety instructions in the owners, installation and service manuals.

**Failure to comply could result in serious injury, death or equipment damage.**

## CART INFORMATION AND MOUNTING

The Viper unit may be mounted on a mobile cart (Cornelius part no. 621058482 for the 3-barrel unit) which allows some movement of the unit for service and cleaning. There are four captive nuts on the bottom of the Viper to accommodate four 3/8-16 bolts. These bolts must be installed to secure the unit to the cart.



#### WARNING:

The above listed mounting bolts must be installed prior to moving the unit.

**Failure to comply could result in serious injury, death or equipment damage.**

### Leveling the Cart:

Follow these steps for Cast Installation and Leveling:

Table 1.




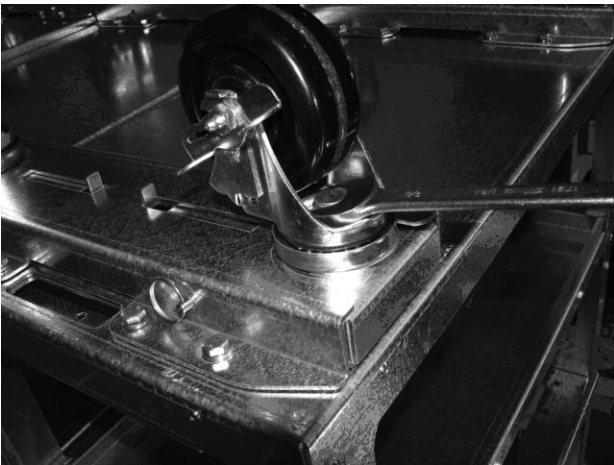
| SI no. | Action  | Figure   |
|--------|---|--|
| 1.     | Remove cardboard packaging materials.   |  |
| 2.     | With the cart still mounted to the skid (protect the cart from damage during the leveling process), position the cart in location and check for level. If the cart is level, please go to Viper Machine Mounting. |  |
| 3.     | Turn the cart upside down (skid on the floor) and locate the hex nut on the swivel casters.   |  |

Figure 1.

Table 1.

|    |   |  |
|----|---|--|
| 4. | Using a 3/4" open-end wrench, loosen the nut on the bottom of the swivel caster.  |    |
| 5. | <p>Add or remove shims as required to level the cart. The cart is supplied with two (2) shims under each front swivel caster. Four (4) additional shims are also supplied loose in a plastic bag (Figure 3.).</p> <p><b>⚠ WARNING:</b><br/>Do not install anything except the supplied shims between the casters the support bracket. Doing so can create an unsafe load on the caster stud resulting in damage that may cause the cart to tip.</p> |   |
| 6. | Tighten the nut using the 3/4" open-end wrench.   |  |
| 7. | Stand cart upright (skid up) and inspect to make sure it is level.  |  |
| 8. | If cart is not level, repeat steps 3 through 7 as necessary on the other casters.   |  |

## VIPER MACHINE MOUNTING:

Follow the steps listed below to mount the Viper machine to the cart.

**Table 2.**

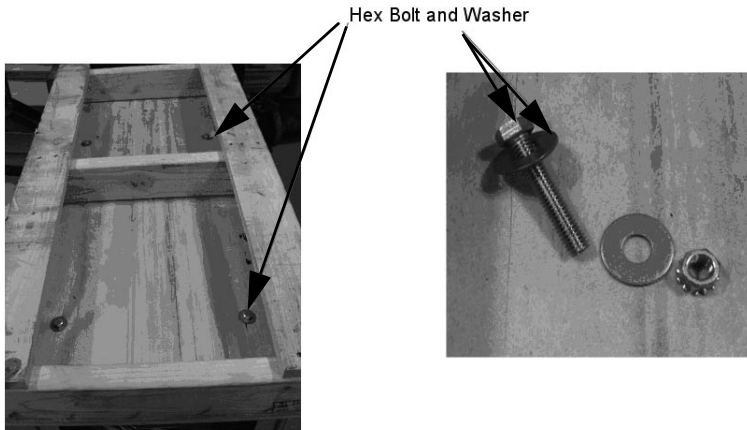
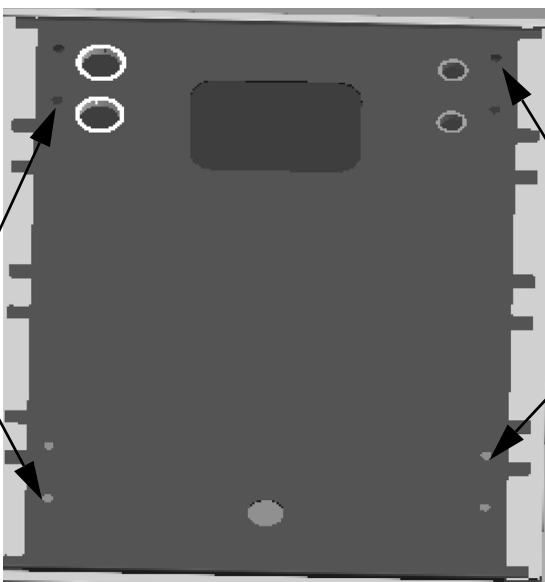
|    |   |
|----|---|
| 1. | <p>With the cart in an upright (skid up) position, remove the four (4) hex bolts that secure the skid to the cart. Be sure to save the four (4) hex bolts and washers. They will be used to mount the Viper machine to the cart.</p> <div data-bbox="420 384 1162 810">  <p>Hex Bolt and Washer</p> </div> <p style="text-align: center;"><b>Figure 5.</b></p>                                  |
| 2. | Remove the skid from the top of the cart.   |
| 3. | Wipe away any dirt, or other foreign matter from the cart top.  |
| 4. | Remove the back panel of the cart.  |
| 5. | Unpack the Viper machine. Be sure to follow all the Delivery, Inspection and Unpacking direction found in the Installation Manual.  |
| 6. | Remove the caps on the bottom of the Viper machine. This allows the cart tubing to pass through.  |
| 7. | <p>Carefully position the Viper machine over the desired mounting holes.</p> <ul style="list-style-type: none"> <li>A. Mounting holes "A" – Drip tray rests on cart</li> <li>B. Mounting holes "B" – Drip tray over-hangs cart.</li> </ul> <div data-bbox="215 1146 1385 1724">  <p>Hole Location - B</p> <p>Hole Location - A</p> </div> <p style="text-align: center;"><b>Figure 6.</b></p> |

Table 2.



|     |   |  |
|-----|---|--|
| 8.  | Use the four (4) hex bolts and washers to secure the Viper machine to the cart. Use a $\frac{3}{4}$ " socket with ratchet to tighten the bolts.                                     |  |
| 9.  | Connect the syrup lines, CO <sub>2</sub> line, and water line per the Viper Installation Manual. See Table 3 for tube connection.   |  |
| 10. | It may be necessary to adjust the regulators. The following Table 4 shows the starting pressure of each regulator. Refer to the Figure 8. below for the location of the regulators. |  |

Figure 7.

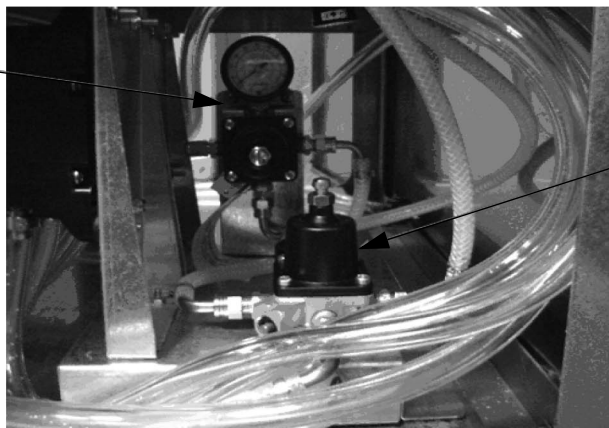
Table 3. Tube Connection

| Tube Labels     | Description         | Note                                   |
|-----------------|---------------------|--|
| None            | CO <sub>2</sub> In  | CO <sub>2</sub> line supplied to cart. |
| CO <sub>2</sub> | CO <sub>2</sub> Out | CO <sub>2</sub> line to Viper machine  |
| S1              | BIB Flavor 1        | Bottom shelf of cart                   |
| S2              | BIB Flavor 2        | Top shelf of cart                      |
| S3              | BIB Flavor 3        | Top shelf of cart                      |

Table 4.

| Regulator Description | Recommended Pressure | Maximum Pressure |  |
|-----------------------|----------------------|------------------|--|
| BIB Pumps             | 75psig               | 90 psig          |  <b>WARNING:</b><br>Do not exceed 90 psig. This may cause damage to the BIB pump. |
| Viper Machine         | 75 psig              |                  |  |

Viper Unit Regulator



BIB Pumps Regulator

Figure 8.