



**VULCAN MANUAL FORK CONTROL KIT**

**INSTALLATION INSTRUCTIONS**

# MANUAL FORK CONTROL KIT INSTALLATION MANUAL

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## 1.0 ELECTRICAL DIAGRAMS:

### 1.1 METER WIRE CONNECTION DIAGRAM:

Unplug the Accessory terminal block from the back of the meter, strip the wires, and connect the Control Button wires to the terminal block as shown below.

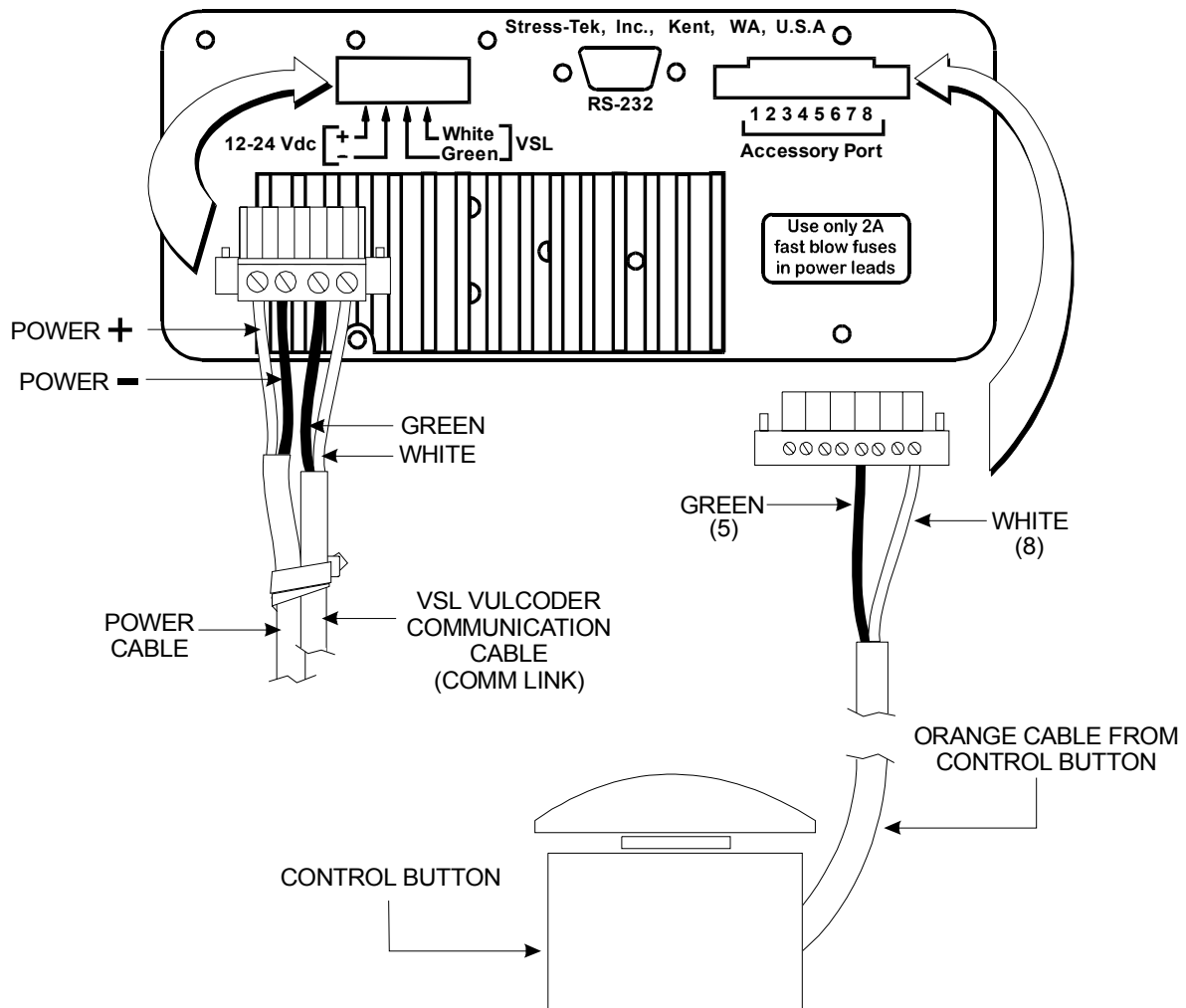


Figure 1-A

Route the grey power cable from the truck battery to the meter in the cab. Route through the cab hinge point. The fused end must be at the battery end of cable.

In the truck cab, cut the VSL Vulcoder cable and meter power cable from the j-box to ideal lengths. Unplug the terminal blocks from the back of the meter, strip the wires, and connect the wires to the terminal block (refer to Figure 1-A). Be careful that stray wires **DO NOT** contact adjacent terminals. **Do not** plug the terminal block into the meter at this time.

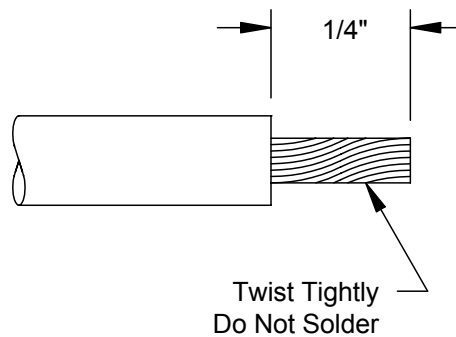


Figure 1-B

## 1.2 CONNECTION TO TRUCK BATTERY:

Disassemble the positive fuse holder, (red wire). Apply grease to the positive connector at the battery post to inhibit corrosion. Connect fused power leads directly to battery posts for best operation. Crimp ringed terminals to the power leads. Power must be connected directly to battery. Maximum power is 29 Vdc. **Note:** Vulcan V600 meters are configured to be used in **12 Vdc** system using **2 amp** fast blow fuses in both power and negative leads. **Do not** connect the power cable to a power source activated by the key switch.

**Remember:** Turn meter off while making any wire connections.

**WARNING:** If installing the meter in a vehicle with a **positive ground** electrical system, the meter chassis, mounting bracket, and mounting fasteners **MUST** be electrically isolated from the vehicle chassis.

## 2.0 METER SET UP AND SYSTEM TEST:

### 2.1 START UP DISPLAY METER

**Note:** If there are any problems with the following quick system tests, contact Vulcan Customer Service, see last page for details.

1. Start the truck.

**Bring the arms down and put the forks in a level position.**

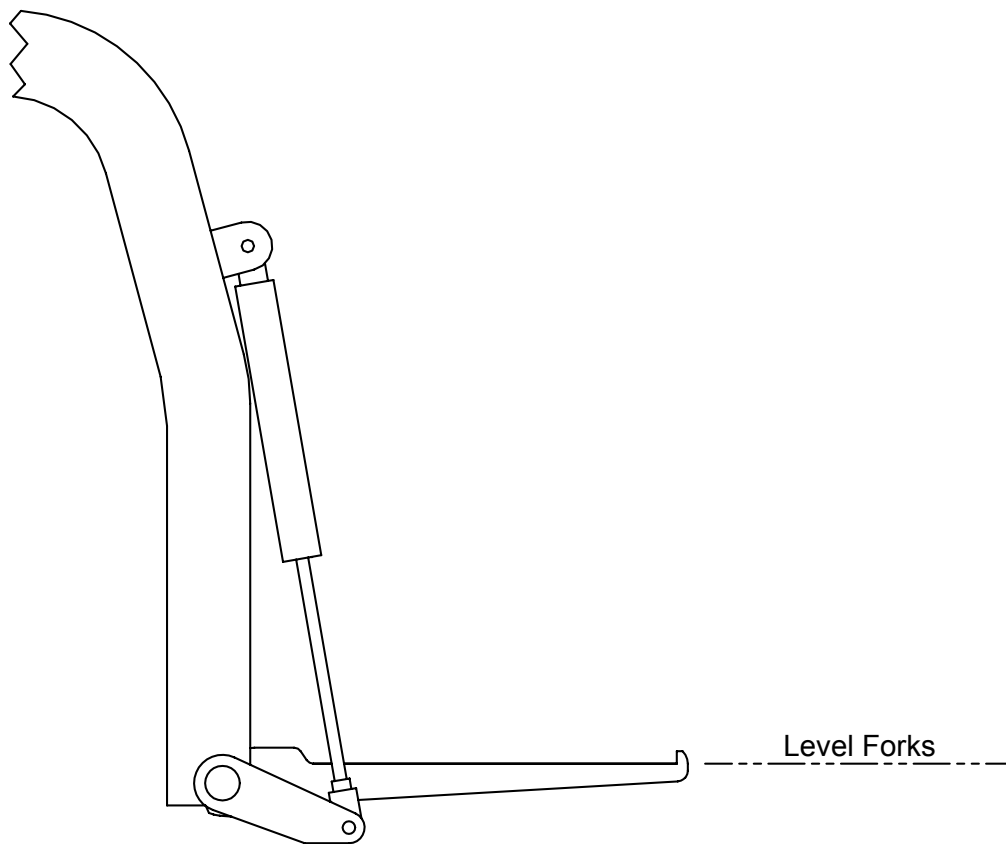


Figure 2-A

- Turn the meter on and go through start up sequence.



Press the **PWR / MENU** button for less than 2 seconds.

After the meter has completed its startup routine, the meter will display **ENTER ROUTE NUM.**



ENTER ROUTE NUM



Press the **ENTER** button to enter the Route Number.

The display will ask if you wish to reset the customer number.



RESET CUST?[Yes]



Press the **ENTER** button to reset the customer number.



NEXT CUST # 1

## 2.2 ERASING THE METER AND VULCODER



Press the **PWR / MENU** button to enter the Program Menu.



Press the **CYCLE** button until **SEQUENCE CHANLS** is displayed.



SEQUENCE CHANLS



Press the **ENTER** button to select the **SEQUENCE CHANLS** Menu option.



DISPLAY SEQUENCE



Press the **ENTER** button to enter the **DISPLAY SEQUENCE** Menu option. The meter will display the truck Vulcoder in a few seconds and will display it as a rear <r> designator.



Press and hold the **ENTER** button for a one or two seconds to erase the Vulcoder. The meter will display <->. This shows that the Vulcoder has been erased.



Press and hold the **ENTER** button again to erase the meter. The meter will display all 8's on the upper display and **---Wait---** on the lower display.



Press and hold the **PWR / MENU** button until the meter powers off. Once the power is off, press the **PWR / MENU** button again to power the meter back up.

Again, go through the start up sequence.



Press the **PWR / MENU** button for less than 2 seconds.

After the meter has completed its startup routine, the meter will display **ENTER ROUTE NUM.**



ENTER ROUTE NUM



Press the **ENTER** button to enter the Route Number.

The display will ask if you wish to reset the customer number.



RESET CUST? [Yes]



Press the **ENTER** button to reset the customer number.



NEXT CUST # 1

The meter is now set up in the manual method of weighing.



## 2.3 VERIFY FORK OPERATION

Verify the forks are working by either sitting or standing on the each fork. The scales should read the amount of weight on each fork.

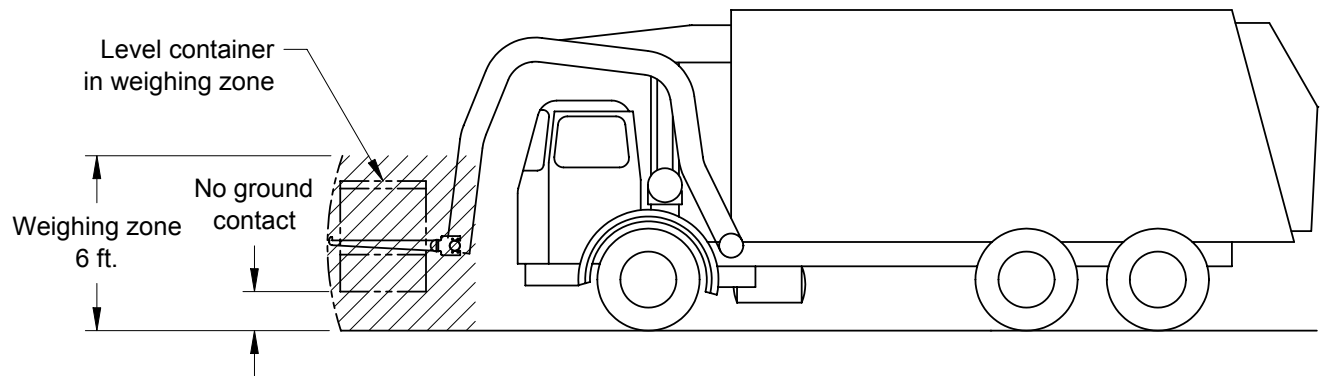


Figure 2-B

1. Lift a bin off the ground to the weigh zone, keeping the forks level. It is best if the bin has weight but not required. Press the weight “capture button”, wait for the “two beep” audible signal from the meter to verify weight capture. The bin weight will be displayed.
2. With the bin in the same position, again hit the weight “capture button”, wait for the “two beep” audible signal from the meter to verify weight capture. A net weight of about zero should be displayed by the meter.
3. Set the bin down and remove the forks.
4. Repeat the first 3 steps 2 times to verify the full weights displayed and zero net weights displayed repeat.
5. All the up weight readings should be close together and all the net weights should be close to zero, although they may not be equal to the exact pound or kilogram.

If you need additional assistance, parts, or service, give us a call at:

**VULCAN CUSTOMER SERVICE**

**1-800-237-0022**

HOURS:

7:30 a.m. - 5:00 p.m.

PACIFIC TIME