Technical Document: TD-0001
Rev: A Date: 02-24-2020
Ref: VPG2490 Open Edge Arm Kits
VPG2490 Open Edge Face Only Kits

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ARM OPEN EDGE INSTALLATION INSTRUCTIONS

1: If gate was previously installed:

- With gate in the closed position, turn off power to the gate.
- Install the safety pin to hold the gate in the closed position.
- Remove the ¾" locknut shown in ***FIGURE 1*** and discard. A new bolt and locknut are supplied for remounting.

2: Measure the protrusion of the ¾" bolt. If less than 1 ½" or if the bolt is damaged during disassembly, remove the old bolt, block the far end of the gate to prevent the gate from dropping and insert new supplied ¾" bolt, re-use washer.

- Place **Arm Open Edge** vertically as shown in ***FIGURE 1*** with the bracket and nut facing the public/false panel side of the gate.
- Two bolt holes have been provisioned to accommodate gates with extended/larger counterweights. Use the bolt hole that will keep the **Arm Open Edge** closer to the gate.
- Apply supplied **Never-Seez** to the ¾" bolt. Place washer then thread on new supplied ¾" locknut. Tighten down unless installing on an 8' or larger gate. In that case, loosely tighten and skip to the next step.

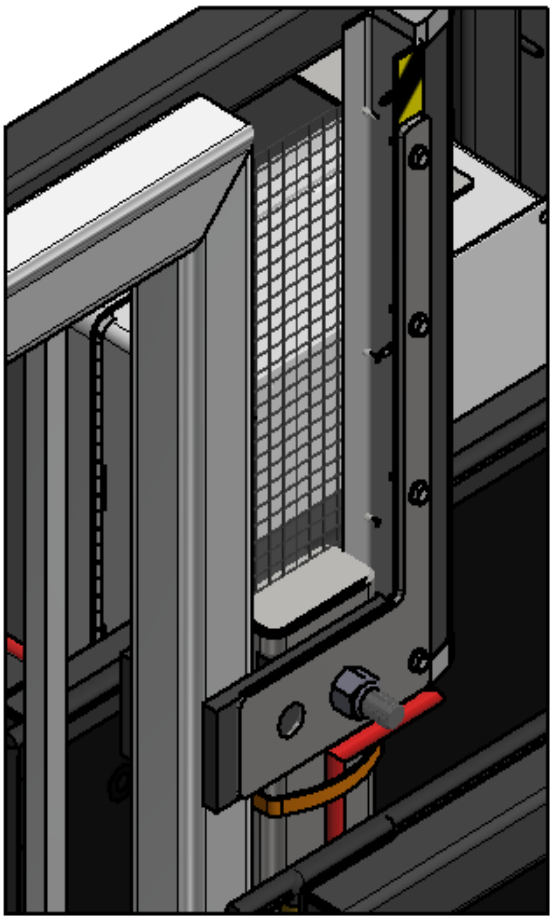


FIGURE 1

3: For gates 8 feet and larger remove upper ¾" locknut and measure ¾" bolt protrusion.

- If bolt protrudes less than 1 ½" or if bolt is damaged, insert new supplied ¾" bolt and washer into upper operator arm hole.
- Apply supplied **Never-Seez** to the bolt threads.
- Install upper brace to operator arm as shown in ***FIGURE 2***. Place washer and loosely tighten the ¾" locknut.
- Screw brace into **Arm Open Edge** c-channel using (2) supplied self-drilling tek screws through pre-drilled holes in brace.
- Tighten down both 3/4" nuts securing gate and **Arm Open Edge** to the operator arm.

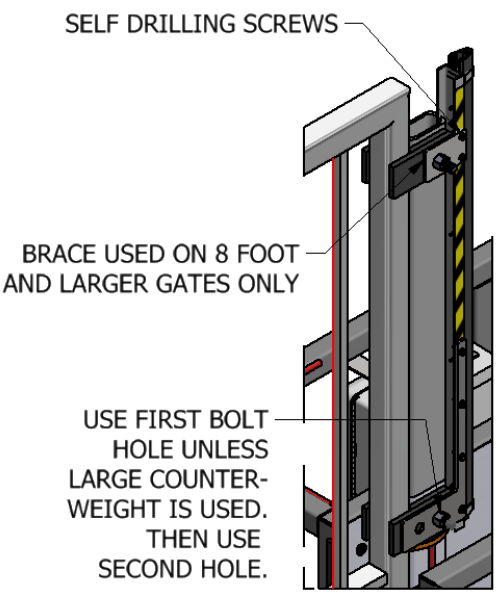


FIGURE 1

4: If wire clip is not factory installed in the location shown in figure 3:

- Clean operator arm in the wire clip location with alcohol prior to clip installation.
- Allow 5 minutes for alcohol to dry, then wipe off any remaining residue with a clean, dry towel.
- Install wire clip in the location shown.

5: Route the lead wire for the **Arm Open Edge** down the side of the operator arm on the public/false panel side as shown in ***FIGURES 3 & 4.***
(red wire) using supplied mounting clip.

- Do not route on backside of arm where the gate stop is located.
- Route wire around the side of the axle shaft opposite of the driveway as shown in ***FIGURE 4***.

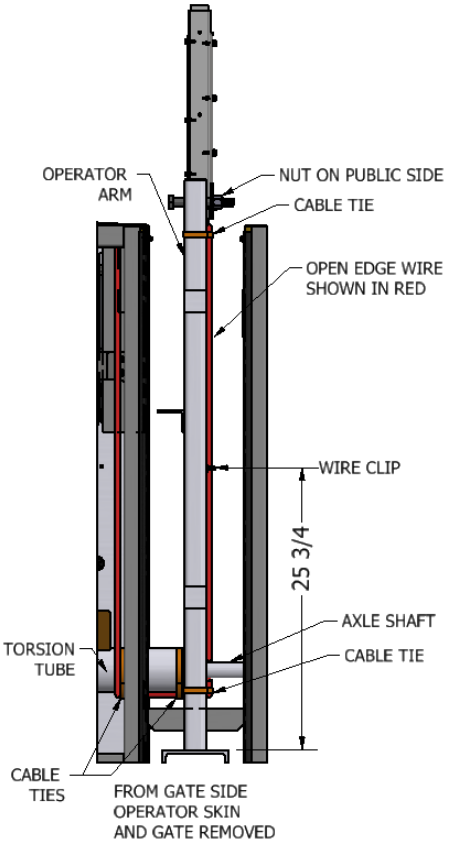


FIGURE 3

- Install cable ties (2) on the operator arm. One just below the **Arm Open Edge** and one just below the axle shaft as shown.
- Remove slack in the lead wire and tighten cable ties.

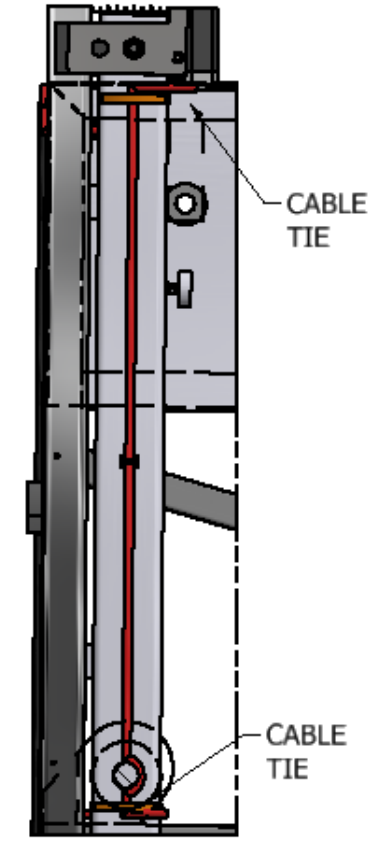


FIGURE 4

6: Route the wire at the 6 o' clock position of the torsion tube (with gate in closed position) as shown in ***FIGURE 5*** into the cabinet securing the wire with supplied cable ties (2).

- Place a cable tie around the axle shaft just inside of the operator arm. Remove all slack ensuring the wire is on the bottom of the torsion tube (when the gate is in the closed position) and tighten cable tie completely.
- Place a cable tie inside of the operator cabinet ensuring the wire is on the bottom of the torsion tube. Remove wire slack and tighten.

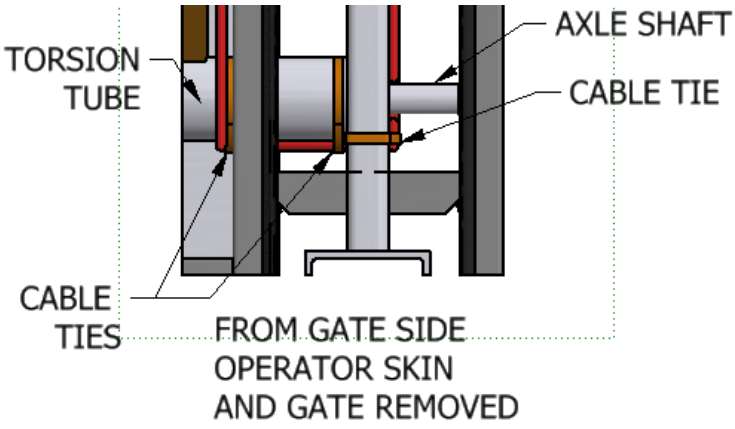


FIGURE 5

7: With the gate still in the closed position, run the wire from the bottom of the torsion tube to the corner of the cabinet closest to the gate as shown in ***FIGURE 6***. Leave a small amount of slack and loosely secure it to the existing wires with a supplied cable tie. **Do not go around the top of the torsion tube**.

- Run the wire up the vertical operator frame tube loosely securing it to the existing wires with supplied cable ties.
- **Note: If you are also installing a Face Only Open Edge, install it now so you can route the wires along the top of the operator frame together. See page 6 for instructions.**
- Using supplied zip ties, loosely attach **Arm Open Edge** wire to existing wiring to bring the wire to the genesis control board inside the control cabinet.

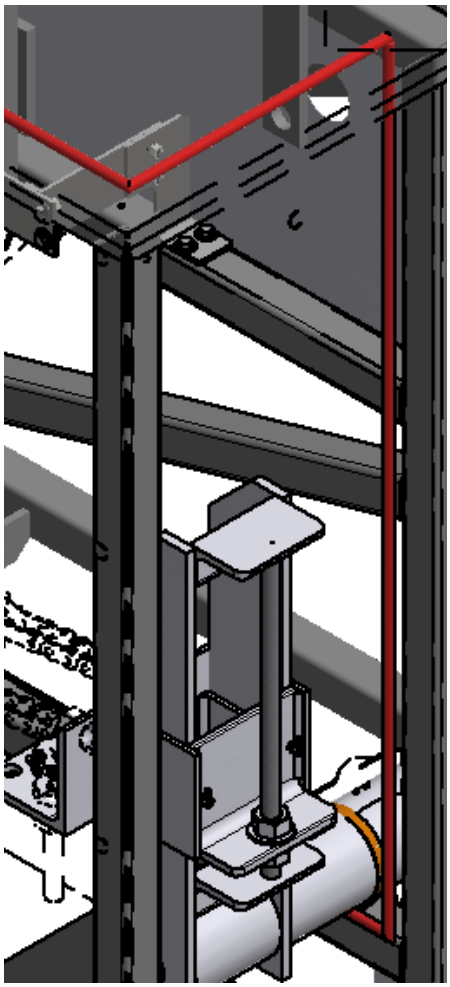


FIGURE 6

8: Connect the **Arm Open Edge** wires to the **OPEN EDGE** terminals on the **GENESIS** board as shown in ***FIGURE 7*** below.

- ***Wires are reversible/no polarity.***

MONITORED DEVICE CONNECTIONS POINTS

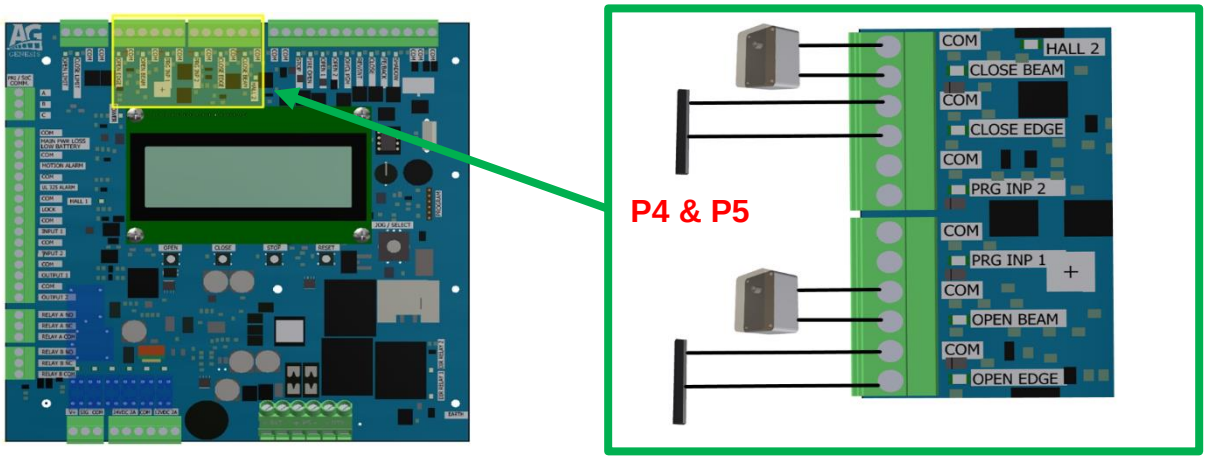


FIGURE 7

9: For gates without a counterweight or a small counterweight leaving a gap:

- Attach barrier screen in between **Arm Open Edge** and gate. Secure barrier screen to **Arm Open Edge** c-channel using supplied self-drilling tek screws as shown IN ***FIGURE 8***.
- Barrier screen goes on the private/secured side of the gate.

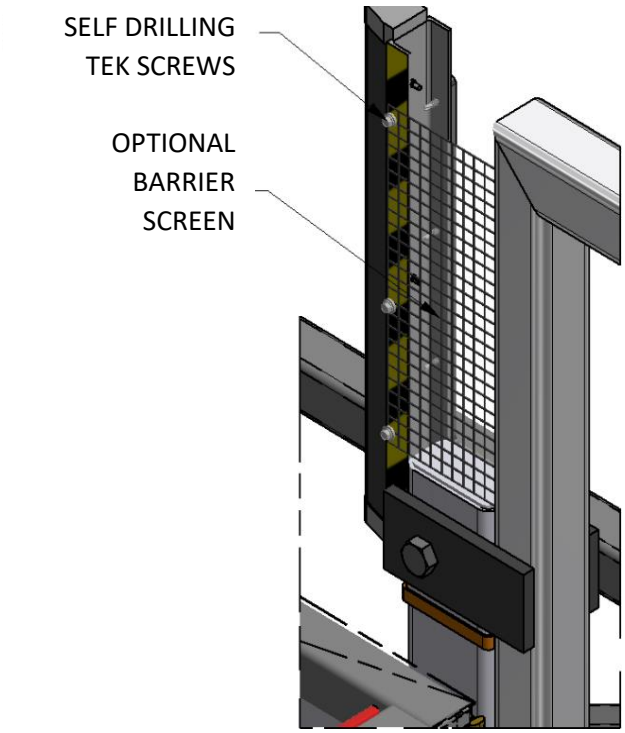


FIGURE 8

10: Turn the gate power back on.

11: On the **GENESIS** control board use the jog/select knob to scroll to **Monitored Input Settings** as in ***FIGURE 9*** below and depress knob.

12: The **Open Obstruction** will be the first choice, depress jog/select knob

.

13: Select **Open Edge 10K** and depress jog/select knob.

14: Depress and hold jog/select knob to return to home screen.

FIGURE 9

15: Test for proper operation by compressing the **Arm Open Edge**.

- Observe the led below the **Open Edge** port on the **GENESIS** control board ***(*FIGURE 7)**. It will Illuminate when compressing the **Arm Open Edge** signals contact.

16: Remove safety pin and test gate operation while observing **Arm Open Edge** wires.

17: After ensuring the wires are not rubbing and there is adequate slack for gate operation, tighten down the remaining wire ties to secure the **Arm Open Edge** wire inside the cabinet.

FACE ONLY OPEN EDGE INSTALLATION INSTRUCTIONS

1: If installing with arm **Open Edge**, ensure the wires are clear of all moving parts. Restore power and remove safety pin.

2: Open the gate.

- If no **Open Edge** is installed and the gate will not open, check for obstructions then hold the green button on the **GENESIS** control board to override.
- Install safety pin to lock gate in the raised position and turn off power to the gate.

3: Clean the bottom plate (gate side at the bottom of the throat) where the adhesive backed clips will go with supplied alcohol wipes in the area shown in ***FIGURE 10***.

- Allow 5 minutes for alcohol to dry then wipe with a clean dry towel to remove any remaining residue.

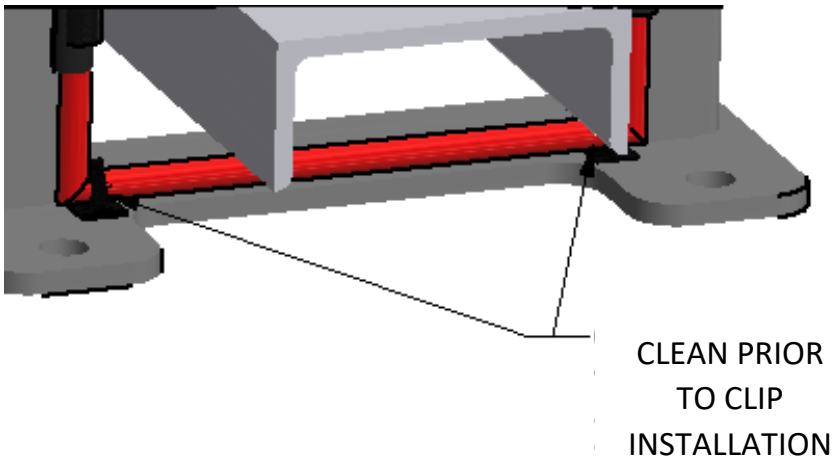


FIGURE 10

4: Remove backing and install (2) supplied wire clips to the bottom plate of the throat as shown in ***FIGURE 10*** ensuring area is clean and dry.

- For best adhesion, if temperature is below 60*F (16*C) apply mild heat to adhesion surface.
- Press firmly to ensure proper adhesion

5: If your operator was equipped with our previous **Open Edge** version and already has Velcro installed on the inside of the throat, test fit the new **Face Only Open Edge** as shown in ***FIGURE 11***. Line the 10k resistor and the lead wire ends up with the top of the operator frame and see if the Velcro strips line up. You will likely need to add the bottom Velcro strip on either side of the throat.

- Use clamps or an assistant to hold in place.
- The lead wire goes on the operator side of the throat.
- **If the operator has a picket top extension or full false panel option, the longer sensor will go on the public side.**
- The sensor side faces the driveway as shown in ***FIGURE 12***.
- Clean inside edge of throat area where the adhesive Velcro strips are needed with supplied alcohol wipes.
- Allow 5 minutes for alcohol to dry then wipe with a clean dry towel to remove any remaining residue.

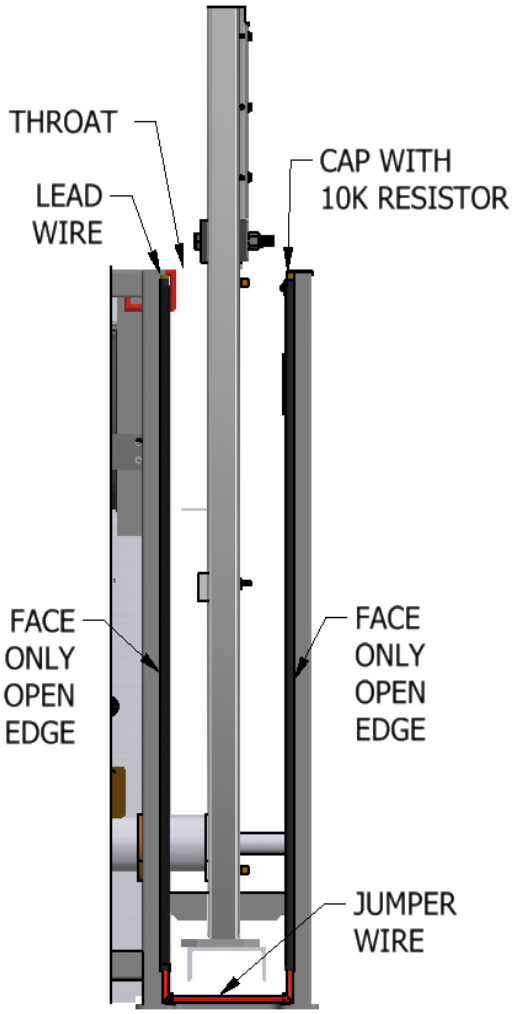


FIGURE 11

6: Remove backing and install adhesive Velcro strips where needed along the inside edge of throat following the same tips as the wire clips.

- Leave Velcro strips attached to **Face Only Open Edge** to ensure proper placement.

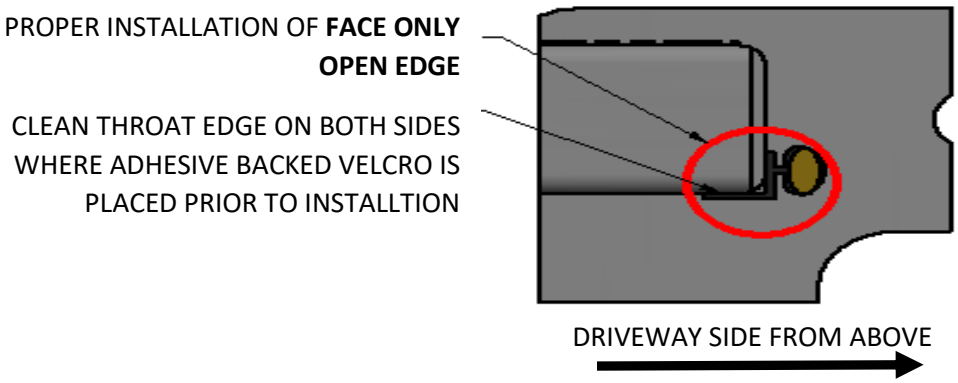
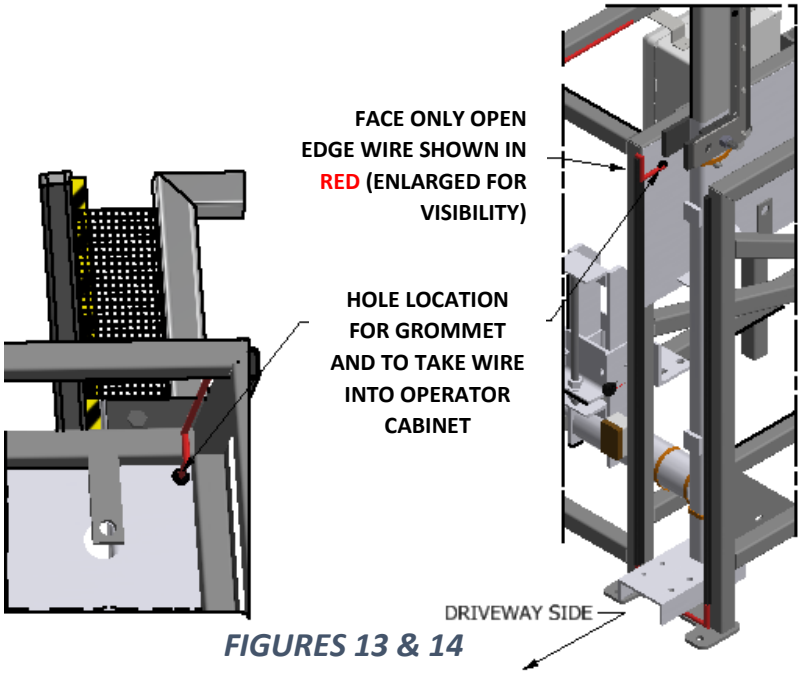


FIGURE 12

7: Install supplied grommet into hole to seal cabinet and protect wire at the location shown in ***FIGURES 13 & 14***.

- If **no** hole is provisioned on your operator cabinet, drill a ½" hole from the inside of the cabinet.

NOTE: Operator shell, gate and select components not shown for clarity.



FIGURES 13 & 14

8: Run lead wire into the operator cabinet through the grommet. **Do not use the hole for the safety pin to run the lead wire**.

9: Route wire along the frame to the existing wires, then follow their path to the control cabinet as shown in ***FIGURE 15***.

- Remove slack and secure lead wire to existing wires using supplied wire ties.
- **If installing with an Arm Open Edge, the wires can be secured with the same wire ties along the top of the frame.**

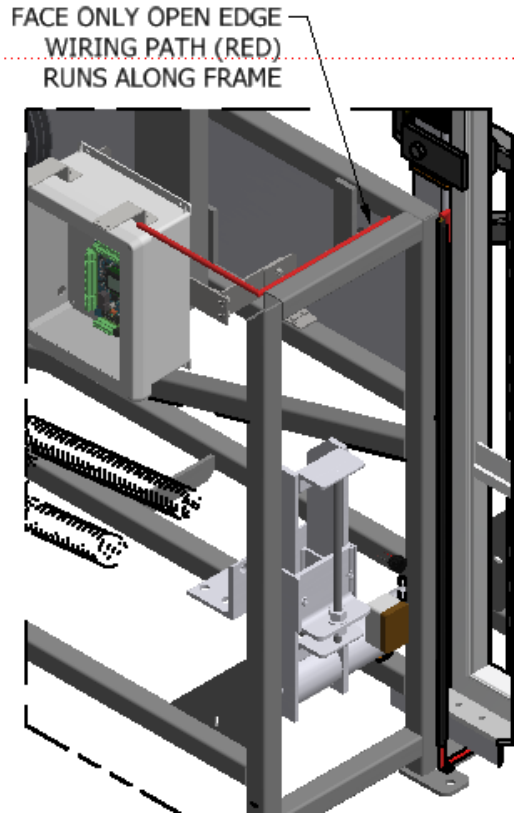


FIGURE 15

10: Connect the **Face Only Open Edge** wire to either **PRG INP 1** or **PRG INP 2** and the corresponding com pins as shown in ***FIGURE 7*** (page 4). Wires are reversible/ no polarity.

11: Turn the gate power back on.

12: On the **GENESIS** control board use the jog/select knob to scroll to **Monitored Input Settings** and depress knob.

13: Scroll to **Prog Mon Input 1** or **Prog Mon Input 2** depending on which port is used and depress jog/select knob.

14: Scroll to **Open Edge 10k** and depress jog/select knob.

15: Depress and hold jog/select knob to return to home screen.

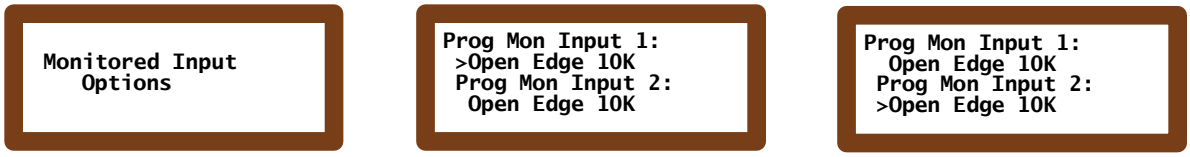


Figure 16

16: Test for proper operation by compressing the **Face Only Open Edge**.

- Observe the led below the corresponding port being used on the GENESIS control board ***(FIGURE 7)***. It will Illuminate when compressing the **Face Only Open Edge** signaling contact.

17: Remove safety pin and test gate for proper operation.