

# Installation Instructions for the Priosk Pedestal Pole for APS pedestrian buttons.



## Components of Priosk

Welded Cap

Upper Reflective Visibility Ring

Recessed APS Button Area

Aluminum Body

APS Button (by others)

Lower Reflective Ring with MUTCD Walking Person Symbols

(4) Stainless Steel Button Cap Screws

Double Plate Ring

Compound Breakaway System (internal)




Protective Skirt






# Priosk APS Pedestal Step-by-Step Installation Instructions.










| Step | Step Name                            | Step Description   | Photo |
|------|--------------------------------------|--|-------|
| 1    | Prepare Anchor Bolts                 | <p>Install minimum 6 x (.5 or .625) inch anchor bolts, rods or epoxy all thread by using the base plate for a pattern.</p> <p>Note: Later versions of the base plate may have slotted holes rather than multiple individual holes.</p> <p>Note: There is a top plate with small slots. Also note the top plate is about .25 inches larger in diameter than the base plate.</p>   |       |
| 2    | Securing Anchor Bolts and Clearance  | <p>Double nut the anchor bolts and place large flat washers over nuts. There should be approximately 1 inch of clearance from the top of the washer to the concrete.</p> <p>Note: Alternate methods such as shims or washers may be used to create the required 1 inch of clearance.</p>   |       |
| 3    | Alignment and Leveling of Base Plate | <p>Place the base plate on the anchor bolts and level in all directions. Note the position of the small holes in the base plate. The base plate will need to be rotated to allow the proper alignment of the main body component to the crosswalk.</p> <p>Note: verify that all support spacers support evenly and there is little or no play. Tightening highly uneven supports could warp the base plate making alignment with other components difficult.</p> |       |

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| 4 | Tightening Base Plate       | <p>Place large flat washers and nuts on base plate and tighten.</p> <p>Note: be careful not to tighten in excess of the anchor device's holding capabilities. Stripped out devices hold much less than even, properly tightened devices.</p>   |   |
| 5 | Installation of Upper Plate | <p>Locate the breakaway bolts, 5/16" flat washers, 5/16" nuts and aluminum spacers. Place the aluminum spacers between the two plates and align the slotted holes in the top plate with the single 5/16" holes in the lower plate.</p> <p>Temporarily install the breakaway bolts with flat washers in the upper plate. Note the location of the hole in the side off the upper plate.</p>   |   |
| 6 | Align Priosk Body           | <p>Temporarily place the Priosk body over the upper plate and align the side holes with one another. Look at the alignment of the APS recess area in conjunction with the device's crosswalk. Rotate the top plate to align the Priosk body into the correct position.</p> <p><b>Note:</b> If the Priosk body will not align with the crosswalk by rotating the top plate alone, the bottom plate may have to be realigned as well.</p> <p>Remove the Priosk body once the alignment is correct.</p> |  |


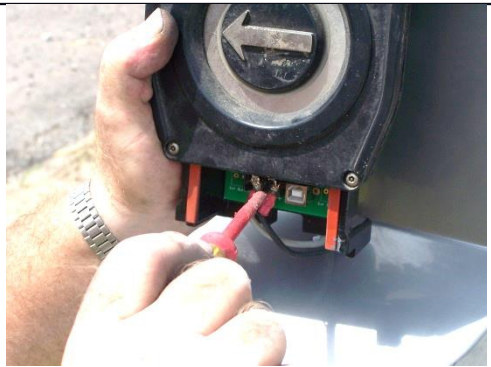






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| 7 | <p><b>IMPORTANT!!</b></p> <p><b>READ CAREFULLY.</b></p> <p>Secure Upper Plate</p> | <p>Once the Priosk alignment has been confirmed, remove the breakaway bolts and coat the entire bolt shaft and threads with a high grade of anti-seize compound. Place the breakaway bolts with washers into the slotted holes. Place a flat washer and nut beneath the bottom plate. Torque to <b>70-75 inch pounds.</b></p> <p><b>IMPORTANT!!</b></p> <p><b>DO NOT OVERTIGHTEN BREAKAWAY BOLTS OR THEY MAY SHEAR.</b></p> <p><b>IMPORTANT!!</b></p> <p><b>DO NOT SUBSTITUTE BREAKAWAY BOLTS WITH STANDARD BOLTS AS THE BREAKAWAY SYSTEM WILL BE COMPROMISED.</b></p> <p><b>IMPORTANT!!</b></p> <p><b>ONLY INSTALL BREAKAWAY BOLTS FROM THE TOP WITH THREADS DOWN.</b></p> |    |
| 8 | Verify Clearance  | <p>After tightening breakaway bolts, use a measuring device to verify that there is approximately 1 inch of clearance between the lower plate and the mounting surface (typically concrete).</p>  |   |
| 9 | Install Split Cover Skirt   | <p>Install the split skirt over the upper plate and let it rest on the mounting surface. The skirt must sit below the upper plate so it does not interfere with the installation of the Priosk body. It is okay if there is a small gap between the upper plate and the split skirt as the Priosk body will come below the upper plate a substantial amount.</p>  |  |

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| 10 | Remove Access Door                 | Remove the access door on the back side of the Priosk body.  |     |
| 11 | Install Cable                      | Run the APS unit cable up through the bottom of the APS body and pull through the access door. Tape or tie off the cable so it will not fall to the bottom of the Priosk body.   |    |
| 12 | Prepare Priosk Body Mounting Bolts | Locate the stainless steel side mounting button cap screws. Place a high grade of anti-seize paste on the threads of the four bolts.   |  |
| 13 | Set Priosk body into Position      | With the aid of an assistant, place the Priosk body over the upper base plate. Compress the split skirt to allow the Priosk body to slip over the split skirt. Tape, string or wire may be used to keep the split skirt compressed during this step. Insert all four stainless steel fasteners and flat washers. |  |

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| 14   | Tighten Button Cap Screws           | Using an Allan wrench, tighten the Priosk body button cap screws. Tighten to 85-90 inch pounds.   |     |
| 15   | Check Priosk Alignment              | <p>Standing to the side of the Priosk, verify that the flat face lines up with the crosswalk. In case there is a misalignment problem, remove the Priosk body and realign the mounting plates as noted in earlier steps of the installation procedure.</p> <p>Note: The APS button cable is protruding through the access hole for connection to the APS button unit.</p> |   |
| <b>CHECK THE ALIGNMENT OF THE WALKING PERSONS ON THE PRIOSK SHEETING. THE WALKING PERSONS CAN BE ORDERED TO BE CENTERED ON EITHER THE FRONT OR THE REAR OF THE PRIOSK.</b> |                                     |   |   |
| 16   | Measure for APS Button Installation | Measure up from the adjacent surface the appropriate distance to the center of the APS button. (42 inches is a common height). Mark with a permanent marker for both vertical and center position on the recess section of the Priosk.  |  |



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| 17 | Mark and Drill Holes        | Mark and drill holes by either using a template or the APS device itself. A unibit works well when drilling the light- weight aluminum in the Priosk body.                      |     |
| 18 | Make Electrical Connections | Pull the APS button cable through the drilled cable hole. Make electrical connections to the APS unit.  |    |
| 19 | Secure APS Button to Priosk | Using the access hole on the back of the Priosk, secure the APS button unit to the Priosk. Verify that all covers and protective plates are on the APS unit prior to this step. |   |
| 20 | Install APS Sign            | Install the APS sign and any other hardware related to the APS system.  |  |

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| 21 | Install Priosk Access Cover   | Install the rear access door on the Priosk and fasten with the security fasteners or Allan head cap screws, whichever hardware package your unit is equipped with.  |   |
| 22 | <b>IMPORTANT!</b><br>VERIFY POSITION OF WALKING PERSON ON REFLECTIVE SHEETING | <b>IMPORTANT!</b><br>VERIFY THAT THE WALKING PERSON IS INSTALLED WITH THE CORRECT RELATIONSHIP TO THE ROADWAY. THE WALKING PERSON CAN BE ORDERED WITH IT BEING CENTERED ON EITHER THE FRONT OF THE PRIOSK OR TH REAR OF THE PRIOSK. |  |

**Note: Priosk = Protective Kiosk.**



## Completed Priosk Installation in St. Cloud, Minnesota



The Priosk pedestrian button station should give years of low maintenance service. However, in the event the Priosk is struck by a vehicle it will crumple and not become a deadly projectile protecting the motorist, the pedestrian and the APS button itself. Its ability to be mounted directly to a sidewalk allows for simplified installation of APS equipment where other systems requiring foundations may be difficult to match sidewalk grades or meet ADA requirements. Because of the surface mount design the Priosk is also easily replaced during any season throughout the year.

Available through:  
**Tip Indications – 22480 County Rd 75 – St. Cloud, MN 56301**

**320-250-3744**

**[www.tipindications.com](http://www.tipindications.com)**

