

# Installation Instruction for MT1002 Cantilever Mount

**WARNING:** Failure to install the mount correctly or modifications to the mount may result in serious injury or damage to property. Contact Psion Technical Support or your Psion representative if you have problems installing this mount. To ensure operator safety, you must use a calibrated torque wrench and the supplied mounting hardware when fastening the mount. Use of this mount in vehicles driven on public roads or highways is prohibited. Contact Psion for further details.

Before mounting a Vehicle Mount Computer (VMC) in a vehicle, there are a number of operator safety issues that require careful attention. An improperly mounted VMC may result in one or more of the following: operator injury, property damage, operator visibility obstruction, operator distraction and/or poor ease of egress for the operator. Psion strongly recommends that you seek professional mounting advice from the vehicle manufacturer.

When mounting an VMC use only approved Psion mounting hardware and mounting parts which are specific to the VMC model purchased. Use of non-approved parts may result in one or more of the following: operator injury, property damage, operator visibility obstruction, operator distraction and/or poor ease of egress for the operator.

If it is necessary to mount the VMC overhead or in any position that could cause injury to the operator should the unit fall, it is critical that a secondary tether or other failsafe device be installed.

The following restrictions must be strictly enforced:

- Do not use the mount and/or the VMC as a hand-hold. Using the mount in this manner may cause the person to fall or dislodge the mounting hardware and/or mounts.
- Do not add weight or attach any other items to the mount or VMC. Additional elements may fall causing injury or may increase chance of failure and/or damage in mounting hardware and/or mounts.

Mounts used in industrial or vibration generating environments may be subjected to fatigue, stress and/or part wear. A periodic inspection of the mounting hardware and mounts should be performed to ensure parts are retightened to the correct torque, free of fractures, excessive wear and/or other environmental damage. Any parts found to be unsafe should be removed and replaced immediately.

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**I. Preparation** This articulating mount can be installed in a wide variety of orientations (See Figure 1). Select the best orientation for your specific application.

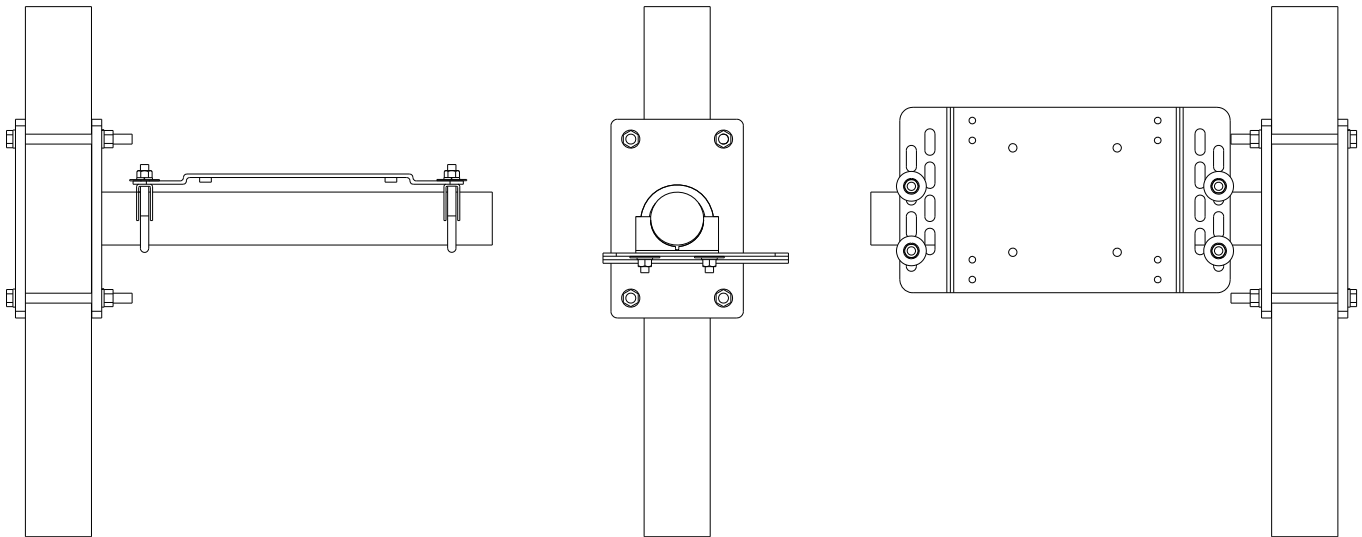


Figure 1.

The mounting platform must be of sufficient strength to support 25 kg. Never attach this mount to a plastic dash or a wooden platform without the appropriate backing plate and bracing. Review the clearance requirements listed in the VMC user manual (Under “Mounting Accessories”) when selecting a mounting location - you must provide operator access at the top, bottom & sides.

**Note:** Legacy products such as 8050, 8055, 8255, 8060, and 8260 are compatible with this heavy duty mounting system.

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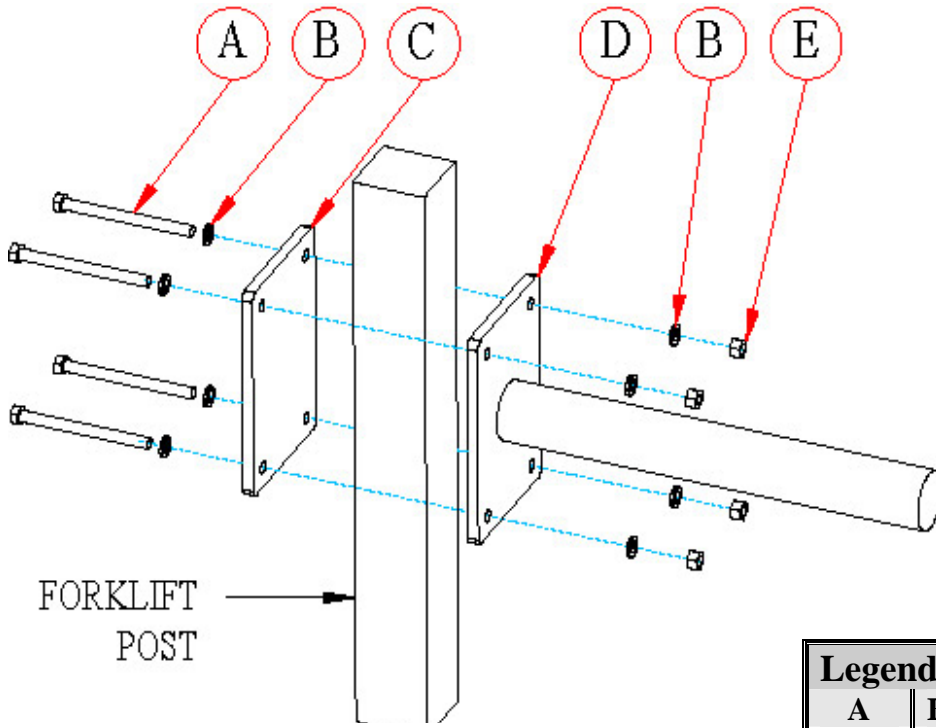


Figure 2.

## 2. Installation

**Step 2.1: Install Cantilever Mount to Forklift Post:** Place Screw (A) through Split/Lock Washer (B), Backing Plate (C), Cantilever Cylinder (D), through Split/Lock Washer (B), and affix with Nut (E). Four places (see Figure 2).

**Torque to 20 lbf-ft.  $\pm$  2.0 lbf-ft.**

### Legend:

A	Bolt 3/8-16 x 5"
B	Washer 3/8" Split/Lock
C	Cantilever Backing Plate 3/8" Thick
D	Cantilever Mounting Cylinder
E	Nut 3/8-16
F	U-Bolt 5/16"-18 x 3" Long, Zinc
G	Saddle for U-bolt, Zinc
H	Mounting Plate
J	Washer 5/16" Flat Stainless
K	Washer 5/16" Split/Lock Stainless
L	Nut 5/16" Zinc

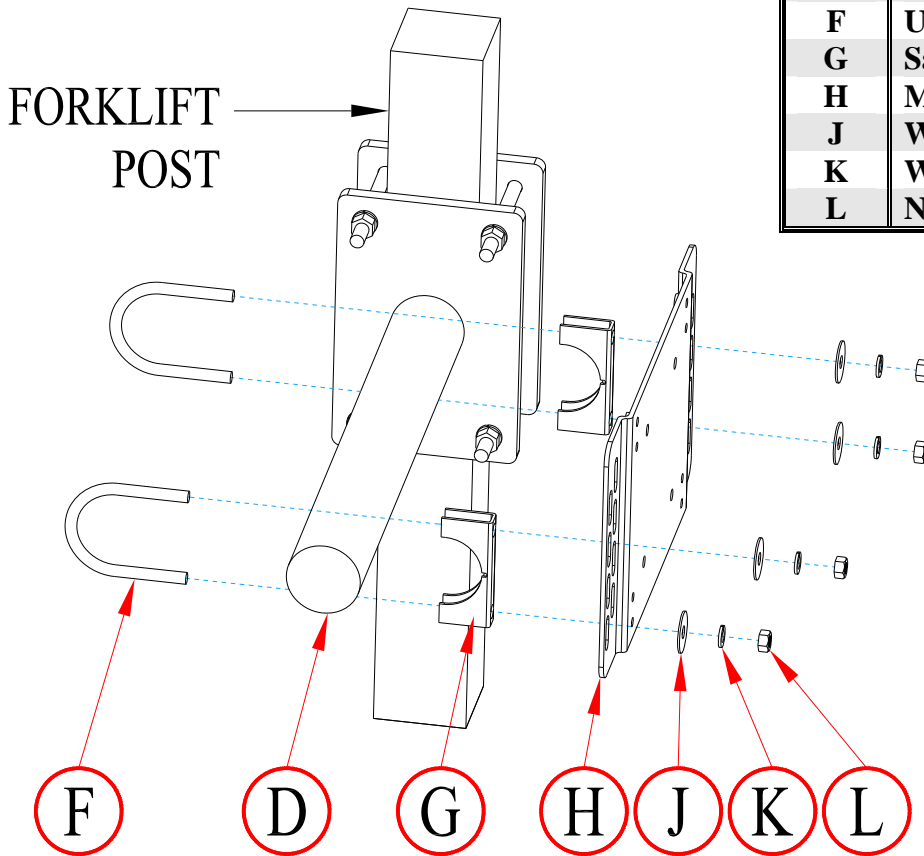


Figure 3.

**Step 2.2: Install Mounting Plate Assembly to Cantilever Assembly:** Place U-Bolt (F) around Mounting Cylinder (D), through Saddle for the U-bolt (G), Mounting Plate (H), Flat Washer (J), and Split/Lock Washer (K) then affix with Nut (L). Four places (see Figure 3).

**Torque to 11 lbf-ft.  $\pm$  1.0 lbf-ft.**

## Specifications:

Max. Load: 7 kg  
IEC 60721-3-5-5M2  
PSION EH0002-002 (Based on Mil Std 810D)

## Compatibility:

### MT1002

MT3100 – MOUNT 8525/8530 STANDARD PLATE  
MT3200 – MOUNT 82XX STYLE QUICK RELEASE CRADLE  
MT3250 – MOUNT QUICK RELEASE TURN & LOCK  
1061312 – KIT RAM VESA PLATE

### MT1002 WITH VESA PLATE FOR 8515 / 8525 / 8530

MT3401 – RAM MOUNT 4-INCH ARM WITH 1 VESA PLATE  
MT3402 – RAM MOUNT 12-INCH ARM WITH 1 VESA PLATE

### MT1002 WITH VESA PLATE FOR 8580 / 8585 / 8595

MT3405 – RAM MOUNT 4-INCH ARM WITH 1 VESA PLATE  
MT3406 – RAM MOUNT 12-INCH ARM WITH 1 VESA PLATE

## Psion Service Parts:

Legend Item	Description	Psion Part Number
<b>A</b>	<b>Bolt 3/8-16 x 5"</b>	<b>9008853</b>
<b>B</b>	<b>Washer 3/8" Split/Lock</b>	<b>9008835</b>
<b>C</b>	<b>Cantilever Backing Plate 3/8" Thick</b>	<b>17291-301</b>
<b>D</b>	<b>Cantilever Mounting Cylinder</b>	<b>17292-301</b>
<b>E</b>	<b>Nut 3/8-16</b>	<b>9008834</b>
<b>F</b>	<b>Mounting Plate</b>	<b>17279-305</b>
<b>G</b>	<b>U-Bolt 5/16"-18 x 3" Long, Zinc</b>	<b>9010660</b>
<b>H</b>	<b>Saddle for U-bolt, Zinc</b>	
<b>J</b>	<b>Nut 5/16" Zinc</b>	
<b>K</b>	<b>Washer 5/16" Flat Stainless</b>	<b>9009730</b>
<b>L</b>	<b>Washer 5/16" Split/Lock Stainless</b>	<b>9009728</b>

## Appendix A: Support Services

### COMPANY HEADQUARTERS

Psion Inc.  
2100 Meadowvale Boulevard, Mississauga  
Ontario, Canada L5N 7J9  
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Fax:+1 905 812 6300

### SUPPORT SERVICES

For local support services, go to:  
<http://www.psion.com/service-and-support.htm>

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