




Mississauga, Ontario
Canada

Installation Instruction

DESCRIPTION: DOCUMENT RAM MOUNT INSTALLATION INSTRUCTION SHEET

NOTE - FOR SUPPLIER/VENDOR:

- THIS DOCUMENT HAS A TOTAL OF 11 PAGES, INCLUDING COVER SHEET
- ALL PAGES, EXCLUDING COVER SHEET, ARE REQUIRED FOR CUSTOMER INSTRUCTION
- **DO NOT** INCLUDE FIRST PAGE IN ASSEMBLY PACKAGE

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Installation Instruction for MT33XX RAM Mounting Kit

WARNING: Failure to install the mount correctly or modifications to the mount may result in serious injury or damage to property. Contact Psion Teklogix Technical Support or your Psion Teklogix 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 cradle and mount. Use of this mount in vehicles driven on public roads or highways is prohibited. Contact Psion Teklogix for further details.

Before mounting an 8515 in a vehicle, there are a number of operator safety issues that require careful attention. An improperly mounted 8515 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 Teklogix strongly recommends that you seek professional mounting advice from the vehicle manufacturer.

When mounting an 8515 use only approved Psion Teklogix mounting hardware and mounting parts which are specific to the 8515 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 8515 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.

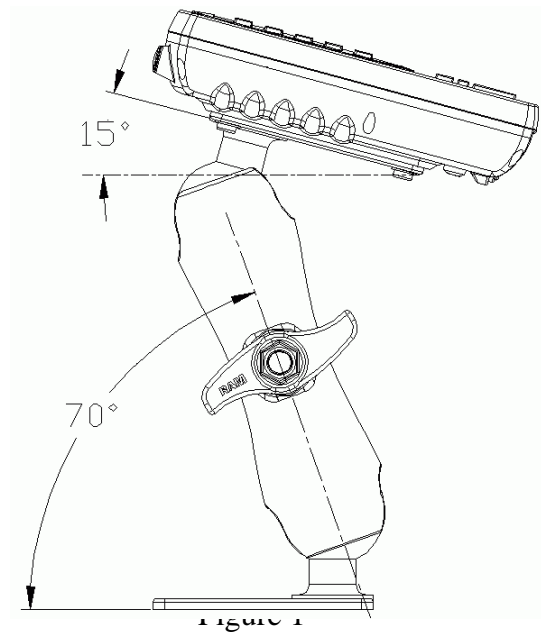
The following restrictions must be strictly enforced:

- Do not use the mount and/or the 8515 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 8515. 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. After inspection or replacement of parts readjust the mount as outlined in step 4 below and tighten with approved tightening tool (part number 9000594).

I. Preparation

This articulating mount can be installed in a variety of orientations (See Figure 7). Select the best orientation for your specific application. Preferred orientations maintain the centre of mass of the vehicle mount assembly directly over the centre of the base (See Figure 1).



Note the tilt & rotation of the cradle can be easily adjusted by the operator. Ensure that if the handscrew is loosened and the cradle slips, the operator & any equipment cannot be damaged by it. Also note that under extreme vibration the mount may slowly 'settle', requiring readjustment and tightening of the handscrew. Psion Teklogix offers a tightening tool (part number 9000594) which can be used to minimize settling. (See Figure 2)

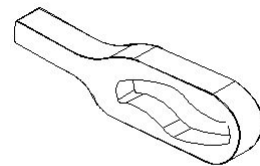


Figure 2.

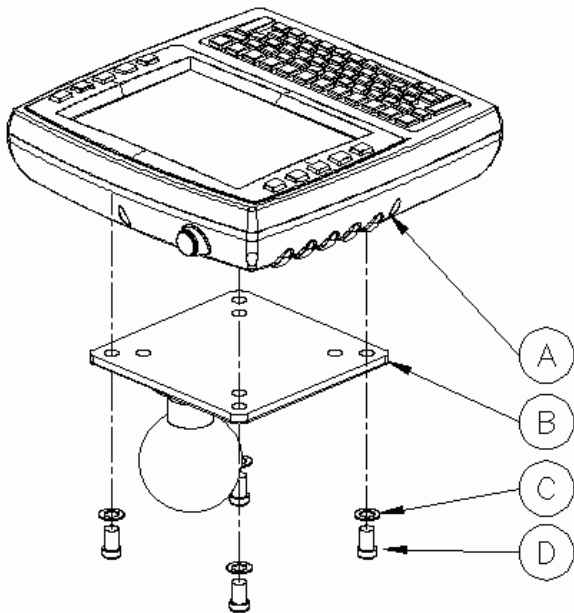
The mounting platform must be of sufficient strength to support 25 kg. Never attach this mount to a plastic dash or a wooden platform without the appropriate backing plate and bracing. Review the clearance requirements listed in the 8515 user manual (Under "Mounting Accessories") when selecting a mounting location - you must provide operator access at the top, bottom & sides.

2. Installation

Legend:

A	8515 VMT
B	RAM Vesa Base
C	Washer M8 Internal Tooth
D	Screw M8 x 12 Pan Head
E	RAM Standard Arm
F	RAM Circular Base
G	Screw M8 x 25 Pan Head
H	Screw M8 x 25 Flat Head
J	Nut M8 x 1.25
L	Mounting Kit MT3505
M	Mounting Kit MT3507
N	Mounting Kit MT3509
P	Mounting Kit MT3510

Figure 3: Apply Loctite 243 to Screw (G) threads (Note: Loctite not supplied by Psion Teklogix). Place Screw (D) through Washer (C), RAM Vesa Base (B) and affix to the 8515 VMT (A). Four places. Torque to 26 in-lbs.



Step 1: Assemble RAM Base to Mounting Bracket: For assembling the RAM Vesa Base (E) to the 8515 VMT (A) see **Figure 3**.

Step 2: Secure RAM Base to Local Platform and Attach RAM Standard Arm: Use the supplied bolt hole pattern to drill the required holes in the local platform. Hole diameters must not exceed 10mm [13/32 inches]. Hardware (G, H, C & J) for securing RAM Bases (B or F) to the local platform are recommended sizes. If replacement hardware is need, it should be consistent with these diameters. All fasteners must use a suitable locking mechanism to ensure they do not loosen under shock & vibration.

For assembling with RAM Vesa Base see Figure 5.

For assembling with RAM Circular Base see Figure 6.

Figure 5: Place Screw (G) through RAM Vesa Base (B), Local Platform, and Washer (C). Affix with Nut (J). Four places. Torque to 26 in-lbs. Secure RAM Standard Arm (E) by inserting RAM Balls in to both ends of arm sockets.

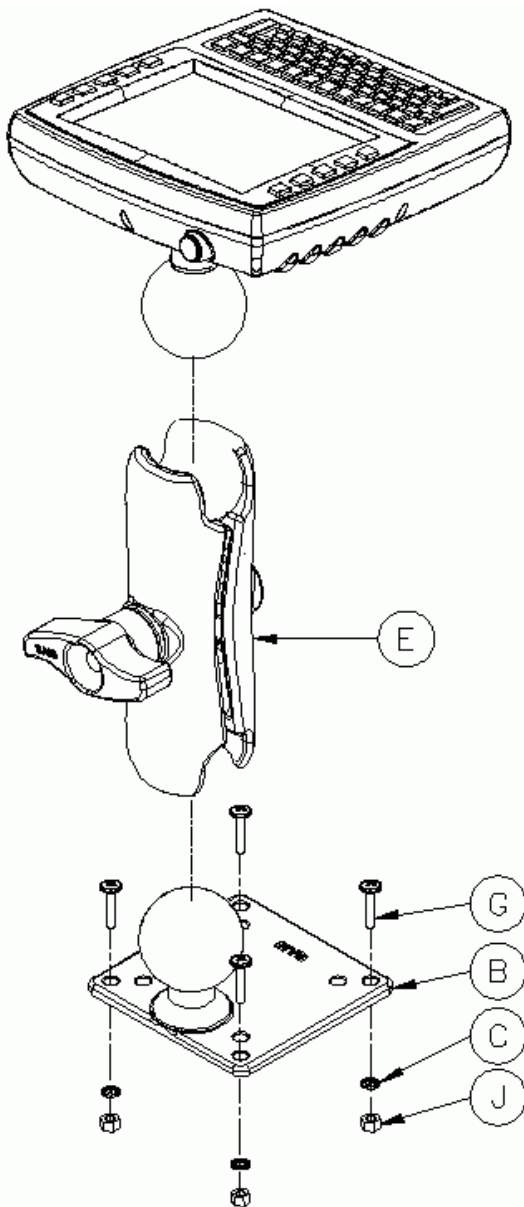
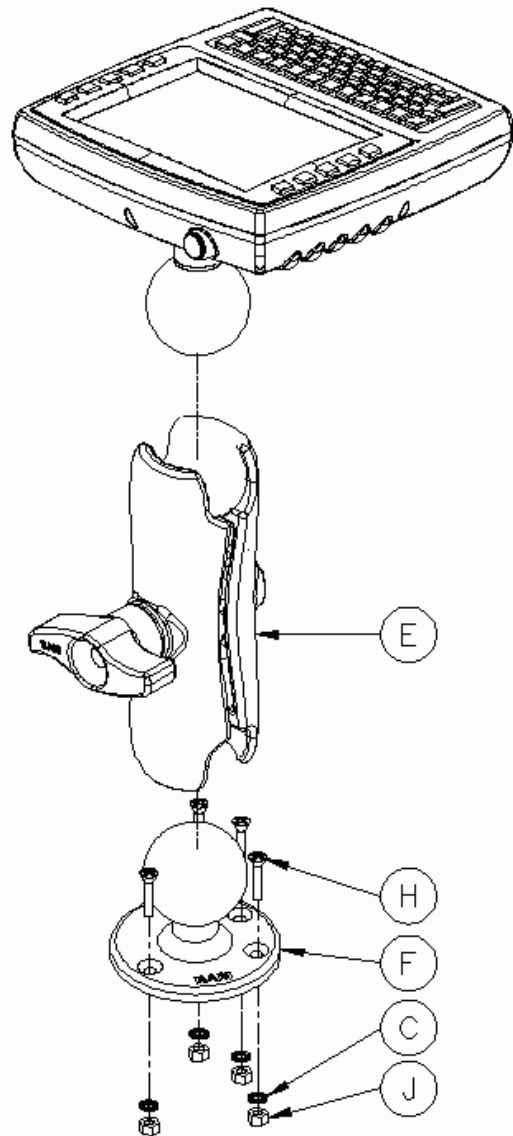
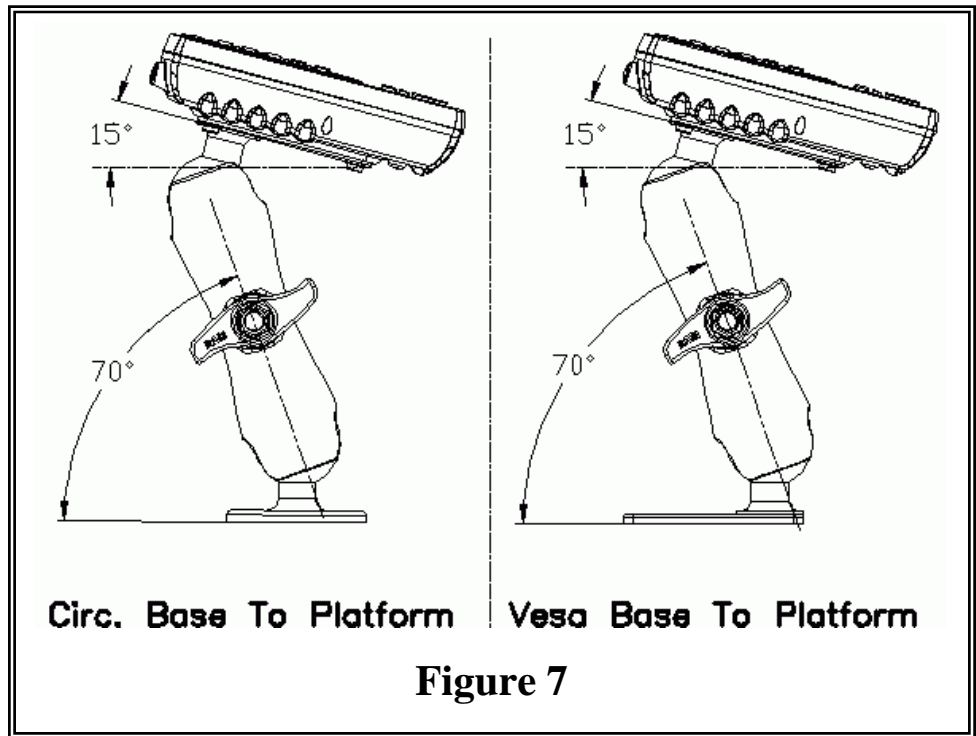


Figure 6: Place Screw (H) through RAM Circular Base (F), Local Platform, and Washer (C). Affix with Nut (J). Four places. Torque to 26 in-lbs. Secure RAM Standard Arm (E) by inserting RAM Balls in to both ends of sockets.

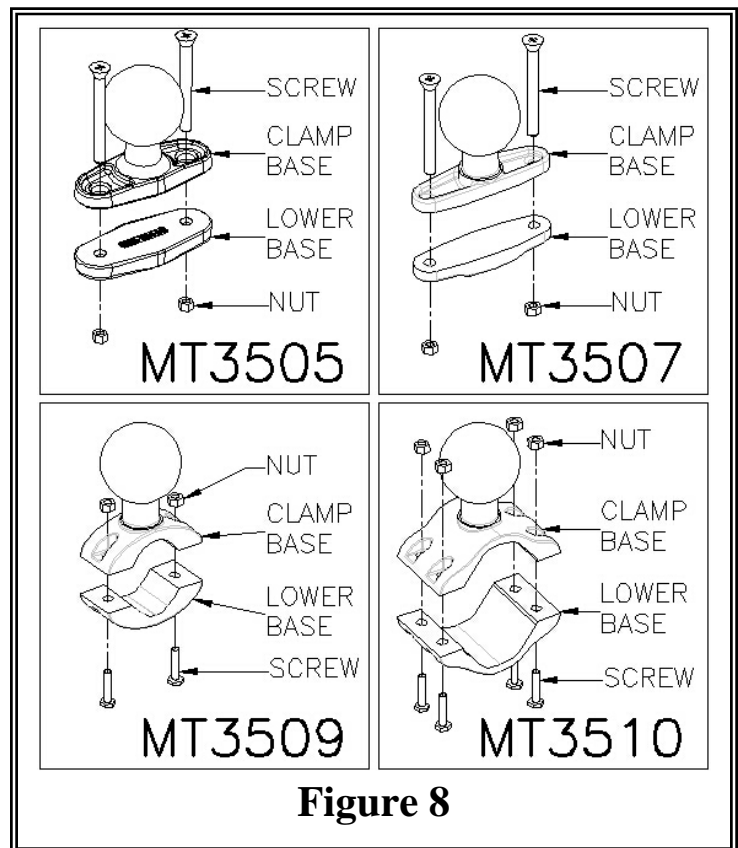


Step 4: Positioning Mount: Place 8515 VMT into the position best corresponding to RAM hardware used (see figure 7) and tighten by hand until secure. Refer to first page of this document for warnings and proper tightening technique. Mount orientations shown in Figure 7 are considered the preferred configurations for the Circular Base to Platform and Vesa Base to Platform.



Optional Mount Kit: One of the mounting kits shown in **Figure 8** may be substituted for the Vesa Base (B) or the circular base (F) when mounting to a post or forklift roll cage.

To Install: Mount Clamp Base and Lower Base around shaft. Place Screw through Clamp and Lower Base and affix with Nut. Torque to 26 in-lbs. Secure RAM Standard Arm (E) by inserting RAM Balls in to both ends of arm sockets.





Specifications:

Max. Load: 15kg

Articulating Range: Spherical through 180 degrees.

Shock Rating: Meets IEC60721-3-5 CLASS 5M2 Test Method IEC60068-2-64 Fh

Vibration Rating: Meets IEC60721-3-5 CLASS 5M2 Test Method IEC60068-2-27 Ea

Psion Teklogix Service Parts:

Legend Item	Description	Psion Teklogix Part Number
B	RAM Vesa Base	9001934
C	Washer M8 Internal Tooth	9008800
D	Screw M8 x 12 Pan Head	9004517
E	RAM Standard Arm	9001805
F	RAM Circular Base	9001804
G	Screw M8 x 25 Pan Head	9004518
H	Screw M8 x 25 Flat Head	9004522
J	Nut M8 x 1.25	9008801



Appendix A: Support Services and WorldWide Offices

Support Services

Psion Teklogix provides a complete range of product support services to its customers worldwide. These services include post-installation technical support and product repairs.

Canada and USA: Technical Support and Repair Services

In Canada and the U.S.A. these services can be accessed through the Psion Teklogix Helpdesk. The Helpdesk coordinates repairs, helps you troubleshoot problems over the phone, and arranges for technicians or engineers to come to your site. Canadian and U.S. customers may receive access to technical support services, ranging from phone support to emergency on-site system support, by calling the toll-free number below, or via our secure web site.

Note: *Customers calling the toll-free number should have their Psion Teklogix customer number or trouble ticket number available.*

Voice: 1 800 387-8898

Fax: 1 905 812-6304

Web Site: <http://service.psionteklogix.com>

WORLD WIDE WEB

www.psionteklogix.com

International Support

For technical support outside of Canada or the U.S.A., please contact your local Psion Teklogix office.



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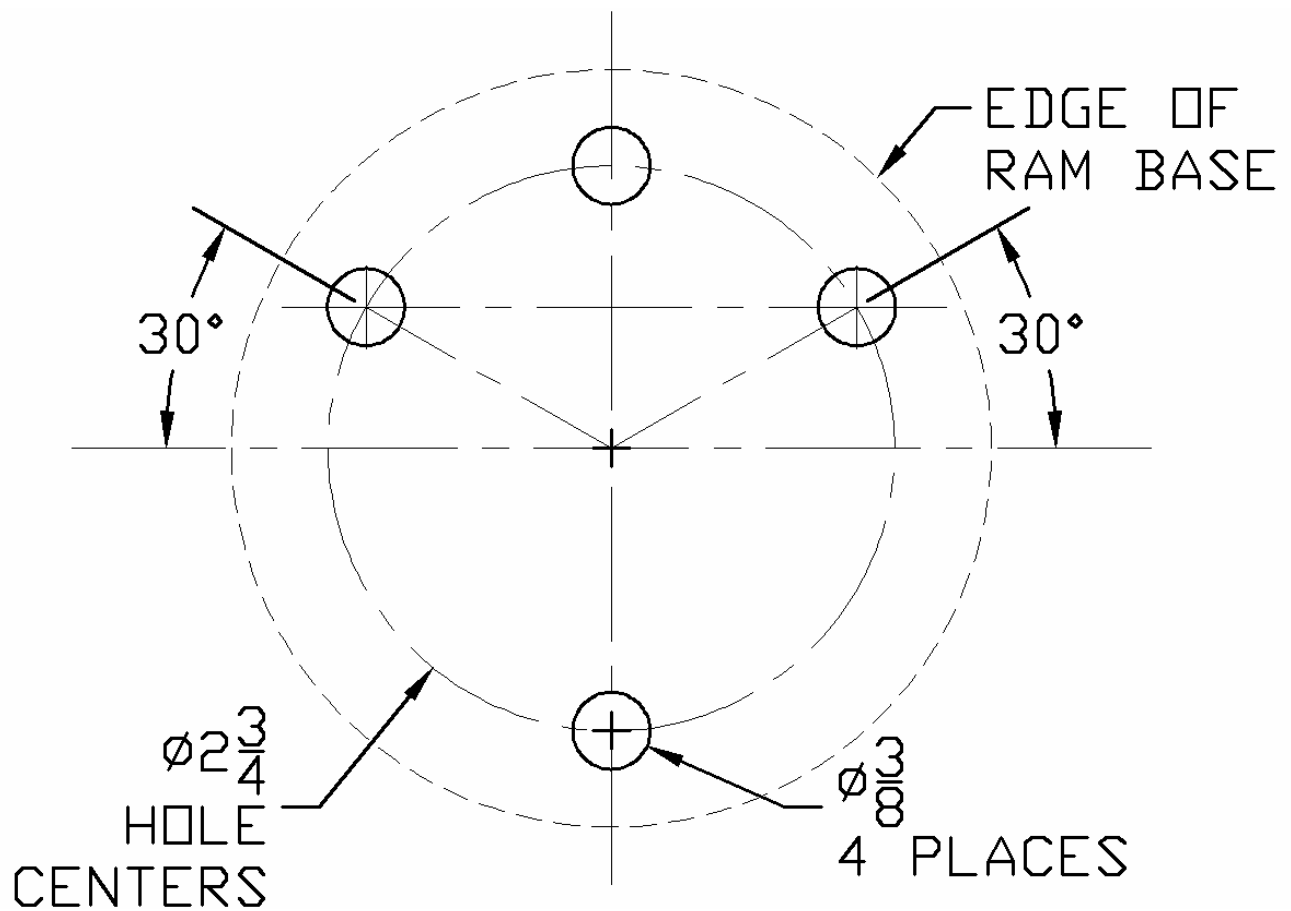
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* Authorized Service Center

Bolt Hole Pattern For RAM Circular Base:



Bolt Hole Pattern for RAM Vesa Base:

