

Installation Instruction for MT3430 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 mount. Use of this mount in vehicles driven on public roads or highways is prohibited. Contact Psion Teklogix for further details.

Before mounting an 8530 in a vehicle, there are a number of operator safety issues that require careful attention. An improperly mounted 8530 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 8530 use only approved Psion Teklogix mounting hardware and mounting parts which are specific to the 8530 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 8530 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 8530 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 8530. 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 3 below and tighten to the appropriate setting.

PART NUMBER:	1008808	REV:	B
	SHEET	1	OF 6

I. Preparation

This articulating mount can be installed in a wide variety of orientations (See Figure 1) with both the display and keyboard. 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).

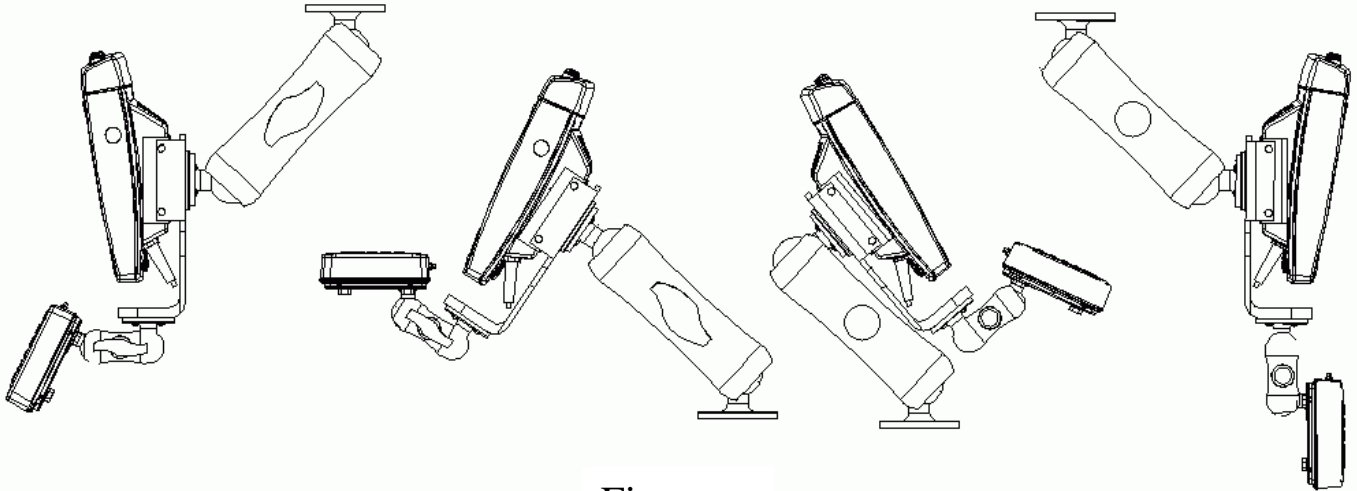


Figure 1.

Note: Before installing this mounting system, the adaptor brackets in MT3210 should be installed (see Figure 5 on page 4 of this document).

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 8525/30 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.

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).

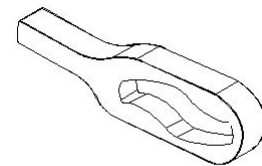


Figure 2.

PART NUMBER:	1008808	REV:	B
	SHEET	2	OF 6

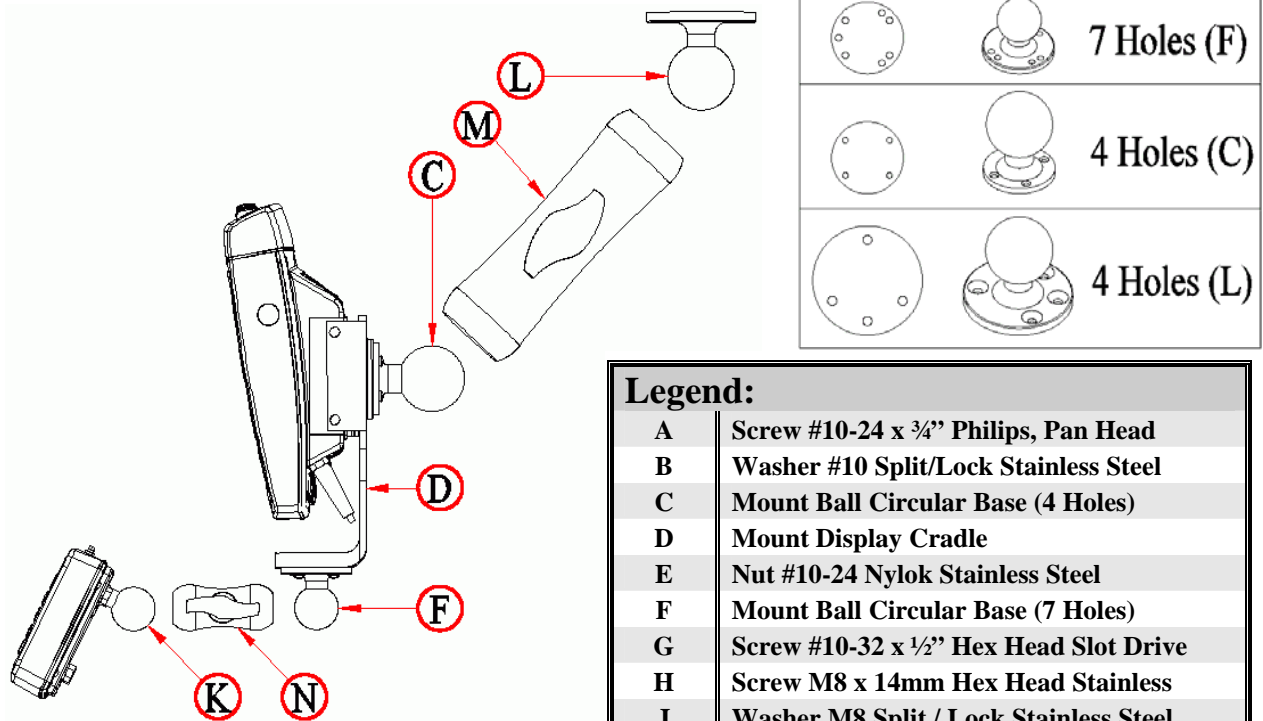


Figure 3.

Legend:	
A	Screw #10-24 x ¾" Philips, Pan Head
B	Washer #10 Split/Lock Stainless Steel
C	Mount Ball Circular Base (4 Holes)
D	Mount Display Cradle
E	Nut #10-24 Nylok Stainless Steel
F	Mount Ball Circular Base (7 Holes)
G	Screw #10-32 x ½" Hex Head Slot Drive
H	Screw M8 x 14mm Hex Head Stainless
J	Washer M8 Split / Lock Stainless Steel
K	Mount Ball VESA Base
L	Mount Ball Circular Base (4 Holes)
M	Mount Standard Arm
N	Mount Short Arm
P	Nut M8 x 1.25 Stainless Steel
R	Screw M8 x 25mm Flat Head Stainless Steel

2. Installation

Step 1: Install Mounting 4 hole Circular Base to Display Cradle: Place Screw (A) through Split/Lock Washer (B), Circular Base (C), Display Cradle (D) and affix to Nut (E). Four places (see Figure 4).

Torque to 23 in-lbs. \pm 2.0 in-lbs.

Step 2: Install Mounting 7 hole Circular Base to Display Cradle: Place Screw (A) through Split/Lock Washer (B), Circular Base (F), Display Cradle (D) and affix to Nut (E). Four places (see Figure 4).

Torque to 23 in-lbs. \pm 2.0 in-lbs.

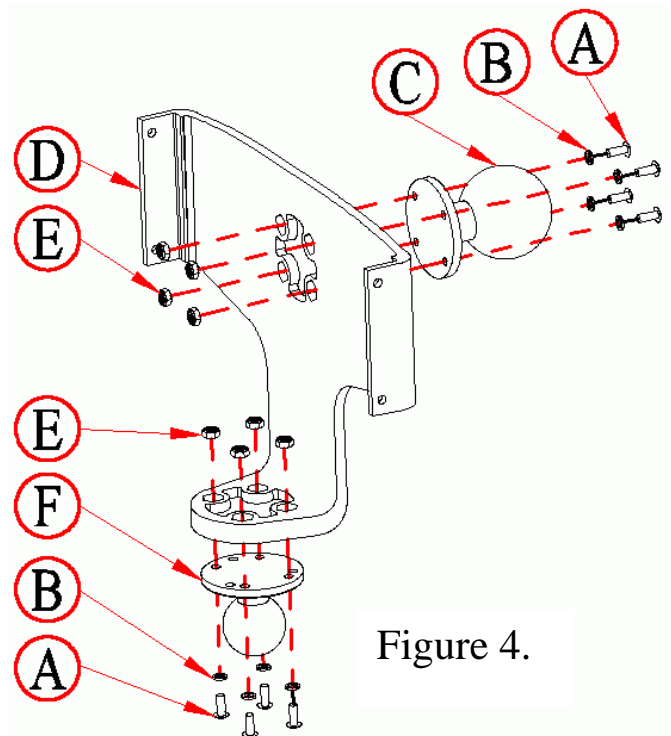


Figure 4.

Step 3: Install Display Cradle to 8530:

Place Hex Screw (G) through Split/Lock Washer (B), Display Cradle (D), and affix to the referenced Adaptor Bracket. Four places (see Figure 5).

Torque to 23 in-lbs. \pm 2.0 in-lbs.

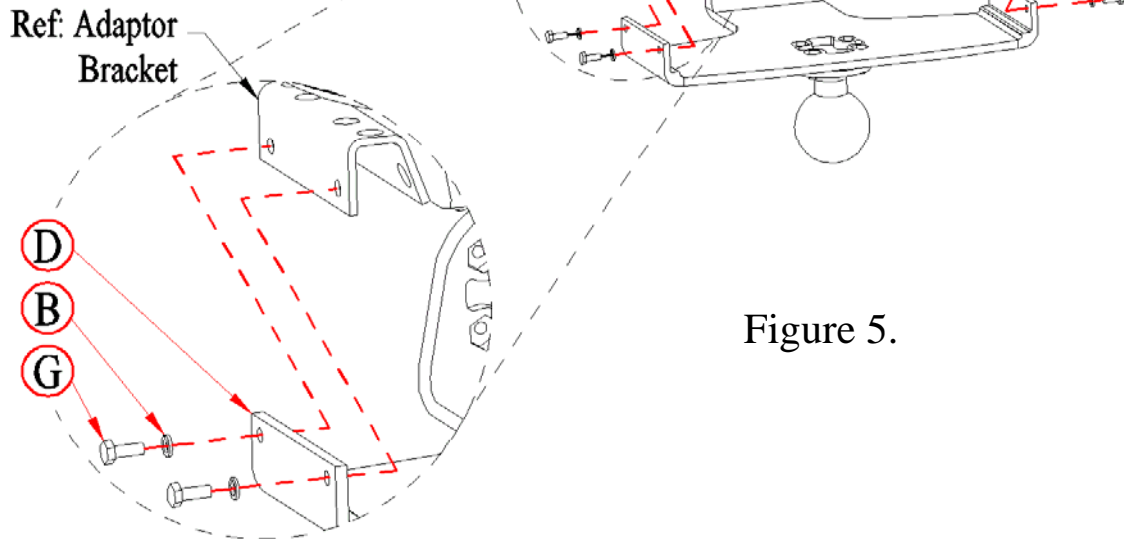


Figure 5.

Step 4: Install VESA Mount to 8530 Keyboard:

Place Screw (H) through Split/Lock Washer (J), VESA Mount (K), and affix to the referenced Keyboard. Four places (see Figure 6).
Torque to 144 in-lbs. \pm 5.0 in-lbs.

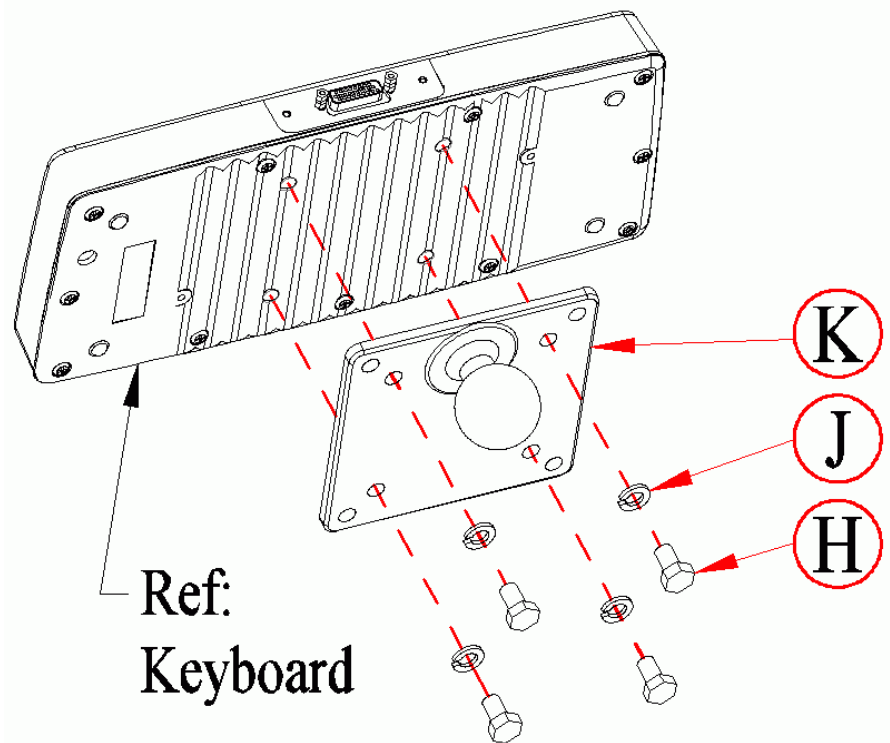


Figure 6.

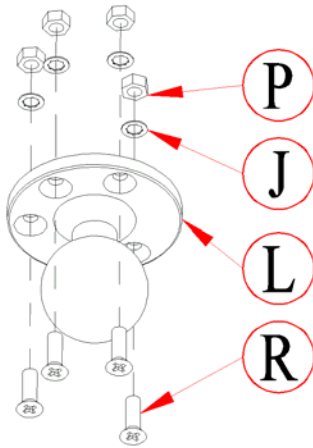


Figure 7.

Step 5: Mounting in to Local Platform: Place Screw (R) through RAM Circular Mount (L), Local Platform, and Washer (J). Affix with Nut (P). Four Places. Torque to 26 in-lbs. See Figure 7

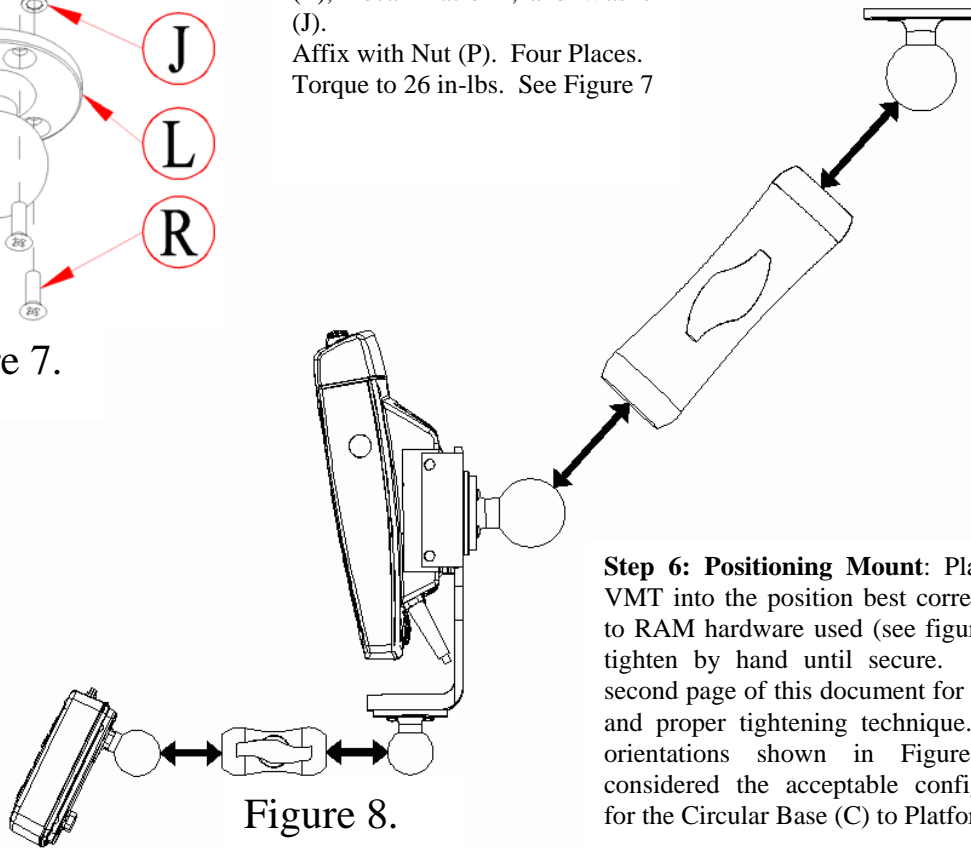


Figure 8.

Step 6: Positioning Mount: Place 8530 VMT into the position best corresponding to RAM hardware used (see figure 8) and tighten by hand until secure. Refer to second page of this document for warnings and proper tightening technique. Mount orientations shown in Figure 9 are considered the acceptable configurations for the Circular Base (C) to Platform.

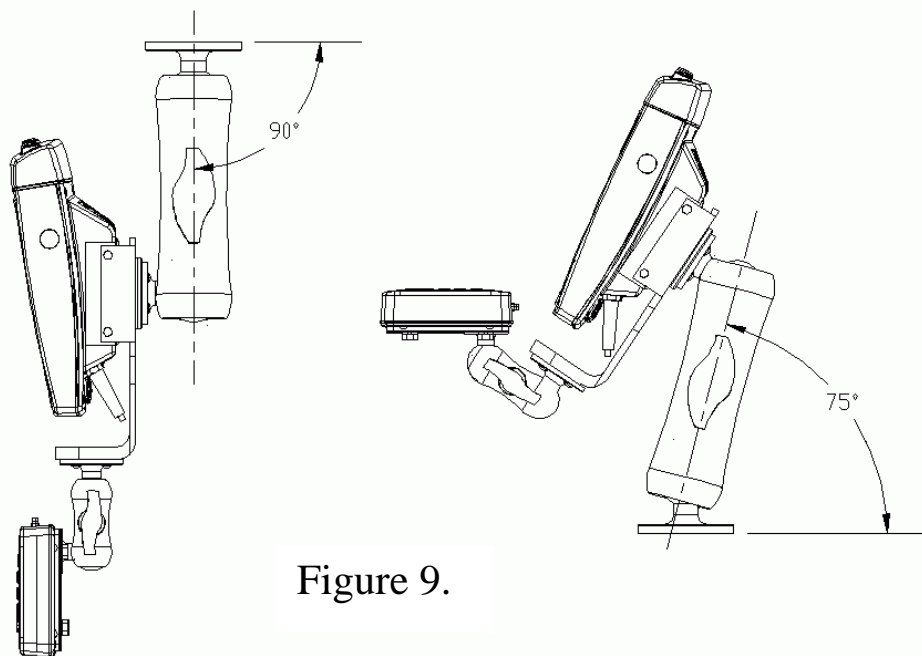


Figure 9.

Specifications:

Max. Load: 12 kg
IEC 60721-3-5-5M2
PSION EH0002-002 (Based on Mil Std 810D)

Compatibility:

1008444 Metalwork 8525 Adaptor

Psion Teklogix Service Parts:

Legend Item	Description	Psion Teklogix Part Number
A	Screw #10-24 x 3/4" Philips, Pan Head	9009726
B	Washer #10 Split/Lock Stainless Steel	9010976
C	Mount Ball Circular Base (4 Holes)	9001803
D	Mount Display Cradle	1000703
E	Nut #10-24 Nylok Stainless Steel	9009725
F	Mount Ball Circular Base (7 Holes)	9001807
G	Screw #10-32 x 1/2" Hex Head Slot Drive	9010975
H	Screw M8 x 14mm Hex Head Stainless	9011239
J	Washer M8 Split / Lock Stainless Steel	9011108
K	Mount Ball VESA Base	9011238
L	Mount Ball Circular Base (4 Holes)	9001804
M	Mount Standard Arm	9001805
N	Mount Short Arm	9001806
P	Nut M8 x 1.25 Stainless Steel	9008801
R	Screw M8 x 25mm Flat Head Stainless Steel	9004522

Appendix A: Support Services and WorldWide Offices

WORLD WIDE WEB

www.psionteklogix.com

For technical support in North America:

Call Toll free: +1 800 387 8898 Option 3, *or*
Direct Dial: +1 905 813 9900 Ext. 1999 Option 3.

For technical support in EMEA (Europe, Middle East and Africa), please contact the local office listed in the following website below:

<http://www.psionteklogix.com/EMEASupport>

For technical support in other countries, please contact the local office listed in the website below:

<http://www.psionteklogix.com/public.aspx?p=ServiceContacts>

Technical Support for Mobile Computing Products is also provided via email through the Psion Teklogix customer and partner extranets. To reach the website, go to www.psionteklogix.com, and click on the appropriate *Teknet* link on the home page. Then click on the "Login" button or the "Register" button, depending on whether you have previously registered for Teknet. Once you have logged in, search for the "Support Request

PART NUMBER:	1008808	REV:	B
	SHEET	6	OF 6