GCX
INSTRUMENT MOUNTING SYSTEMS

Installation Guide

### Folding Keyboard Bracket for M-Series or VHM Arm

The purpose of this guide is to:

1. *Describe replacement of Swivel Cup (page 2).*
2. *Describe attachment of Folding Keyboard Bracket to Arm (page 3).*
3. *Describe cable management feature and adjustment of folding tension (page 4).*

Parts Reference

The following parts and hardware are included with this installation kit (hardware not shown):

| Item #	Description	Qty
1	Folding Keyboard Bracket	1
2	Swivel Suspension Mount with hardware	1
3	#10-32 x 1/2" Flat Head Machine Screw (FHMS)	3
4	1/2" [13mm] Socket Wrench (not shown)	1
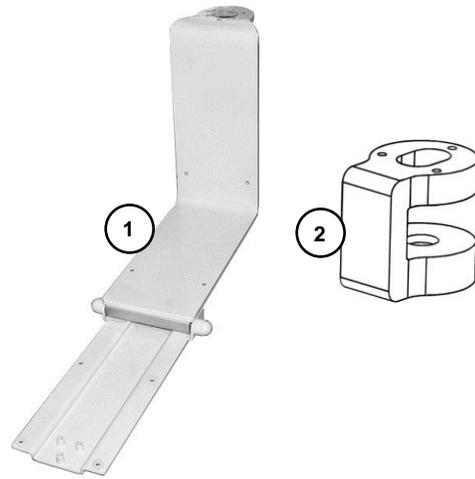
Tools Required

• Phillips screwdriver (not provided)
• 1/2" socket wrench (provided)
• 3/4" socket wrench (not provided)

⚠ CAUTION: Do not place fingers in-between Folding Keyboard Bracket Mounting Block and Mounting Plate surfaces. There is risk of pinching or crushing fingers, especially while installing keyboard tray and adjusting folding tension.

Mounting Plate

Mounting Block

Folding Keyboard Bracket
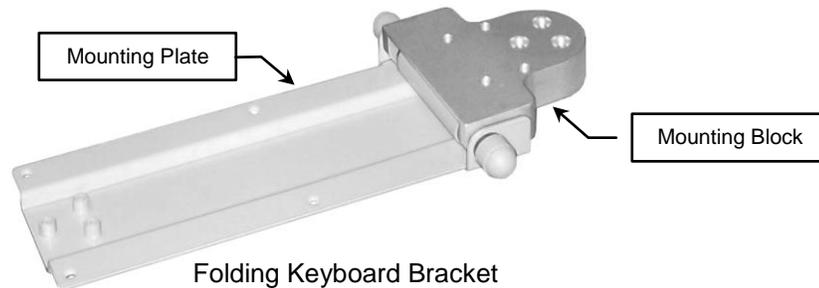
⚠ CAUTION: **If your M-Series or VHM Arm is equipped with a *molded Swivel Cup* (shown right), it must be replaced with the Swivel Suspension Mount included in this installation kit**. Swivel Suspension Mount replacement procedure begins on page 2.

This Swivel Cup must be replaced.
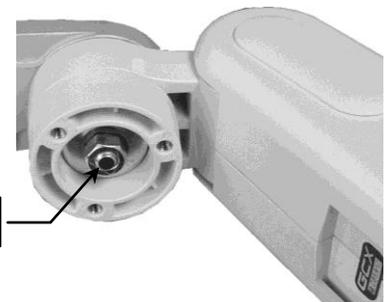
Replacing Swivel Cup with Swivel Suspension Mount

The following parts and hardware are included with the Swivel Suspension Mount.

| Item #	Description	Qty
1	1/2"-20 x 2" Hex Head Cap Screw (HHCS)	1
2	2" Fender Washer	1
3	1/2" Flat Washer	1
4	1/2" Bronze Bushing	1
5	1/2"-20 Nylock Hex Nut	1
6	1/2" Nyliner Bushing	1
7	2" Nylon Washer	2
8	Swivel Suspension Mount	1
9	Lexan Cover (white)	1
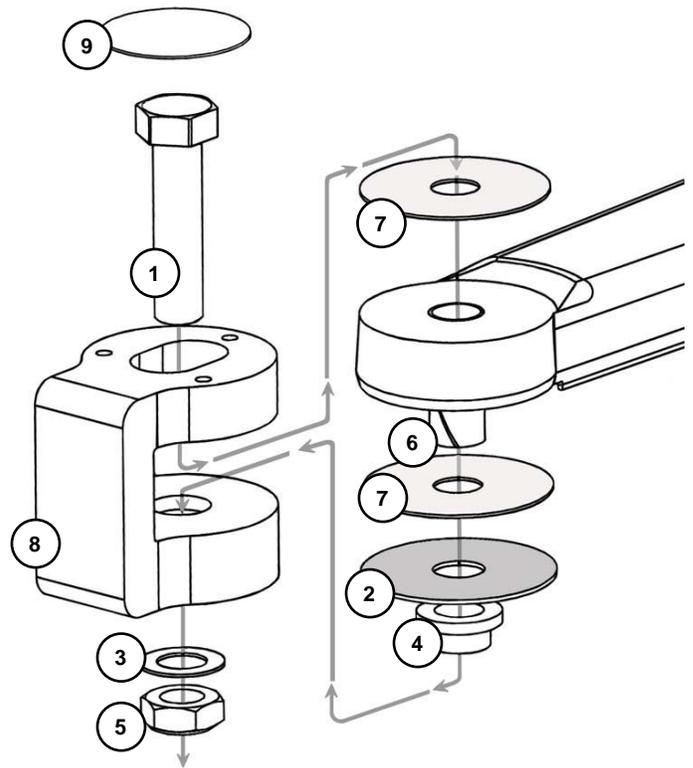
1. Remove all equipment (display, etc) from VHM or M-Series Arm.

2. Using the 1/2" socket wrench provided, unscrew and remove the Swivel Cup and Tilt Mechanism from the Arm.
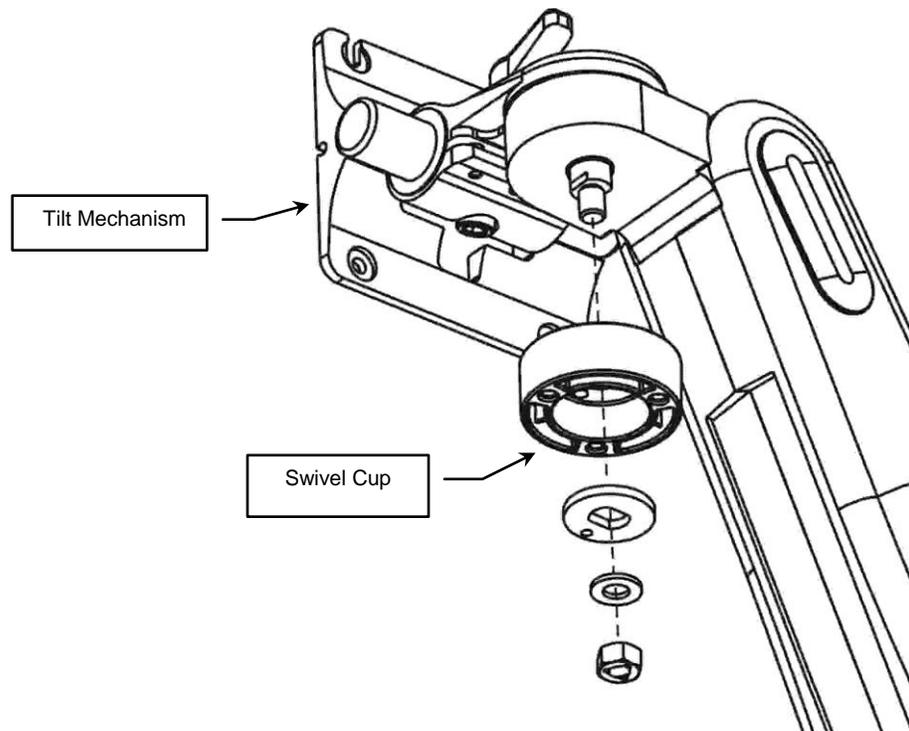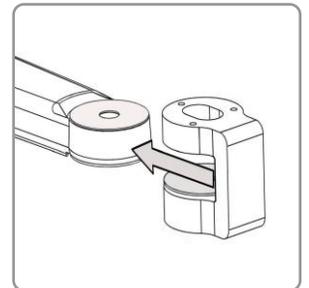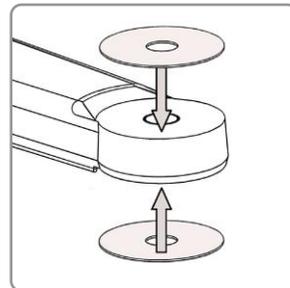
3. Install 1/2" Nyliner Bushing into front pivot hole on mounting arm.

4. Install 1/2" Bronze Bushing into Swivel Suspension Mount (far right).
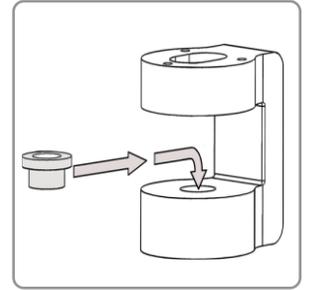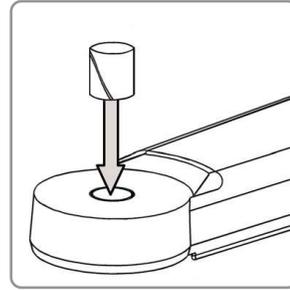
5. Position (1) 2" Fender Washer on top of Bronze Bushing.
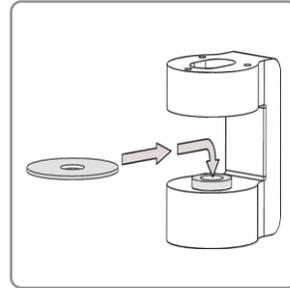
6. Position (1) 2" Nylon Washer on top of mounting arm, and (1) 2" Nylon Washer on the bottom of mounting arm. Guide Swivel Suspension Mount onto mounting arm as shown (far right).

7. Install (1) 1/2"-20 x 2" HHCS, (1) 1/2" Flat Washer, and (1) 1/2"-20 Nylock Hex Nut. Using a 3/4" Socket Wrench, secure Swivel Suspension Mount to Arm and Torque to 80in lbs.
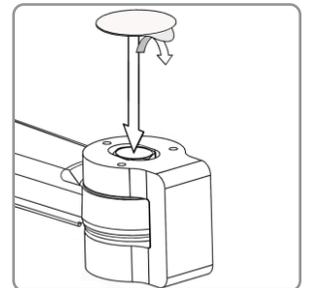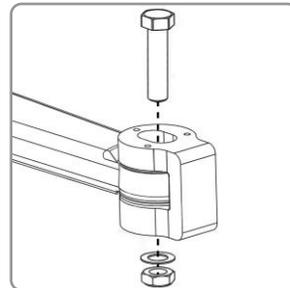
8. Apply white Lexan Cover (far right).

Attaching the Bracket to VHM or M-Series Arm

1. Fasten Bracket to Swivel Suspension Mount with three (3) #10-32 x 1/2" FHMS as shown.

Swivel Suspension Mount
(VHM Arm shown)
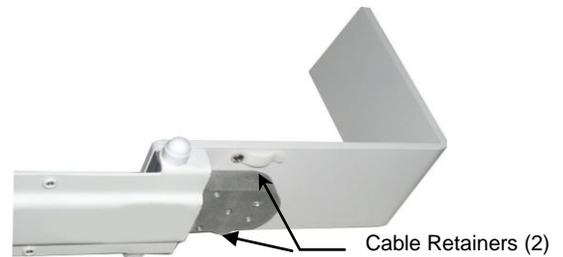
Folding Keyboard Bracket

#10-32 x 1/2" FHMS (3)
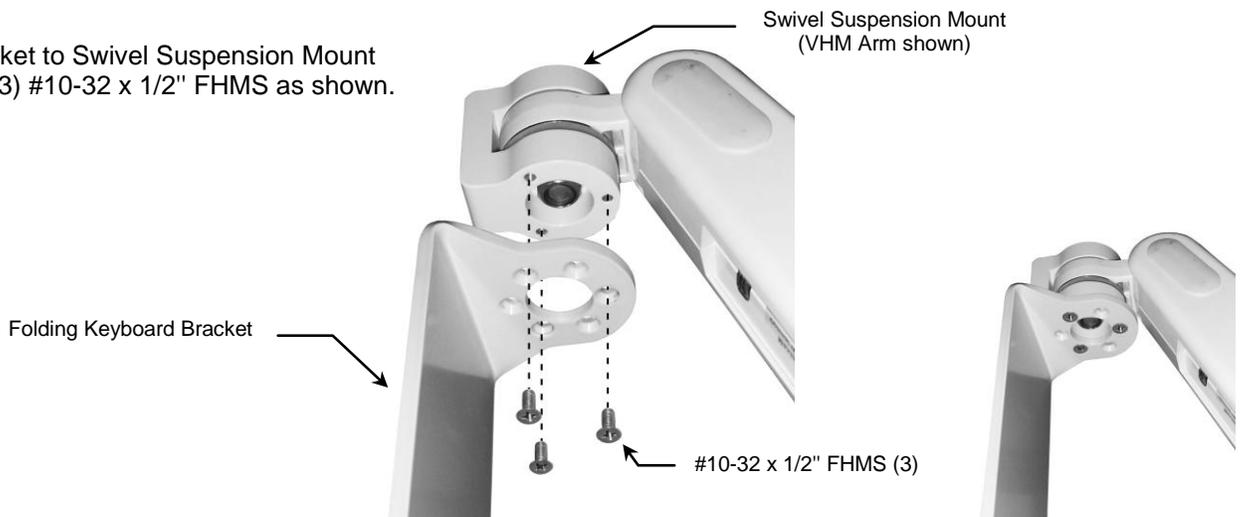
Attaching Keyboard Tray or Plate to Folding Keyboard Bracket

Attach Keyboard Tray or Plate according to installation guide included with the Tray or Plate. Installation guide is titled: "*Keyboard Mounting Plate and Keyboard Tray*" (DU-WM-0023).

Cable Management

Two (2) Cable Retainers are located under the Bracket behind the Keyboard Mount.

Cable Retainers (2)

Adjusting Folding Tension

If the Folding Keyboard Bracket becomes difficult to fold or will not maintain the folded (upward) position, adjust folding tension as described below:

Pry plastic bolt covers off each end of the hinge bolt. Using a 1/2" wrench on each end of the bolt, tighten or loosen bolt until desired tension is achieved. Replace bolt covers.

Folding Tension Bolt
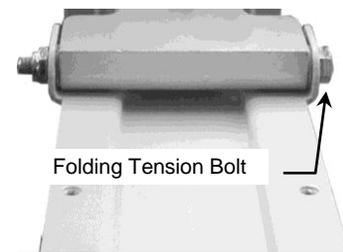
Adusting Swivel Tension

To adjust the swivel tension, tighten or loosen the Swivel Tension Nut with a 3/4" socket wrench.

Swivel Tension Nut
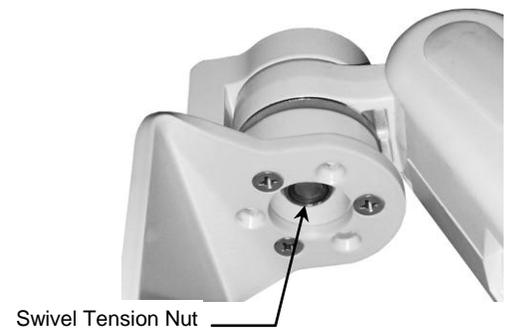
Periodic Maintenance

All fasteners associated with the mounting system should be inspected periodically and tightened as necessary for optimal operation and safety.

Cleaning the Mounting Assembly

1. The mounting assembly may be cleaned with most mild, non-abrasive solutions commonly used in the hospital environment (e.g. diluted bleach, ammonia, or alcohol solutions).
2. The surface finish will be permanently damaged by strong chemicals and solvents such as acetone or trichloroethylene.
3. Steel wool or other abrasive material should never be used.
4. Damage caused by the use of unapproved substances or processes will not be warranted. We recommend testing of any cleaning solution on a small area of the arm that is not visible to verify compatibility.
5. Never submerge or allow liquids to enter the arm. Wipe any cleaning agents off the arm immediately using a water-dampened cloth. Dry mounting assembly thoroughly after cleaning.

CAUTION: GCX makes no claims regarding the efficacy of the listed chemicals or processes as a means for controlling infection. Consult your hospital's infection control officer or epidemiologist. To clean or sterilize mounted devices or accessory equipment, refer to the specific instructions delivered with those products.