3875 Cypress Drive Petaluma, CA 94954 800.228.2555 707.773.1100 Fax 707.773.1180 www.gcx.com

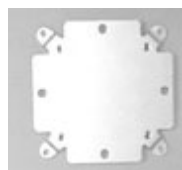**GCX INSTRUMENT MOUNTING SYSTEMS**

GCX Mounting Assembly Installation Guide

Ergo Bracket

The purpose of this guide is to:

1. *Describe attachment of the Ergo Bracket to a roll stand, VHM arm, and M-Series Arm.*
2. *Describe attachment of a keyboard tray to the Ergo Bracket.*
3. *Describe mounting of a flat panel display to the Ergo Bracket.*
4. *Describe attachment of Vertical Extension to Ergo Bracket.*

Parts Reference

The following parts and hardware are included with this installation kit (see photos for parts; hardware not shown):
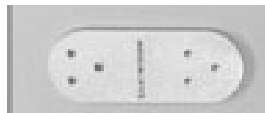
Item #	Description	Qty
1	Ergo Bracket	1
2	75/100mm Flat Panel Adapter Assy – Packaged Separately (includes attachment hardware)	1
3	Horizontal Extension – Ergo Bracket to VHM Arm	1
4	Vertical Extension – Manual Tilt/Mounting Plate Assy. to Ergo Bracket	1
5	#10-32 x 3/4" Flat Head Machine Screw (FHMS) – Vertical Extension to Ergo Bracket	3
6	#10-32 x 3/4" FHMS – Extension to Mount (roll stand, wall, or arm)	3
7	#10-32 x 5/8" FHMS – Ergo Bracket to Roll Stand	3
8	#10-32 x 7/16" FHMS – Ergo Bracket to Extension	3
9	#10-32 x 5/16" FHMS (100º) – Keyboard Tray to Ergo Bracket	4
10	#10-32 x 7/16" FHMS – Keyboard Plate to Ergo Bracket	3
11	Lexan Cover, Black - Covering Screw Heads on Vert Ext and Manual Tilt Clamp	2
12	9/64" Hex Wrench – Tilt Tension Adjustment	1

Flat Panel Adapter

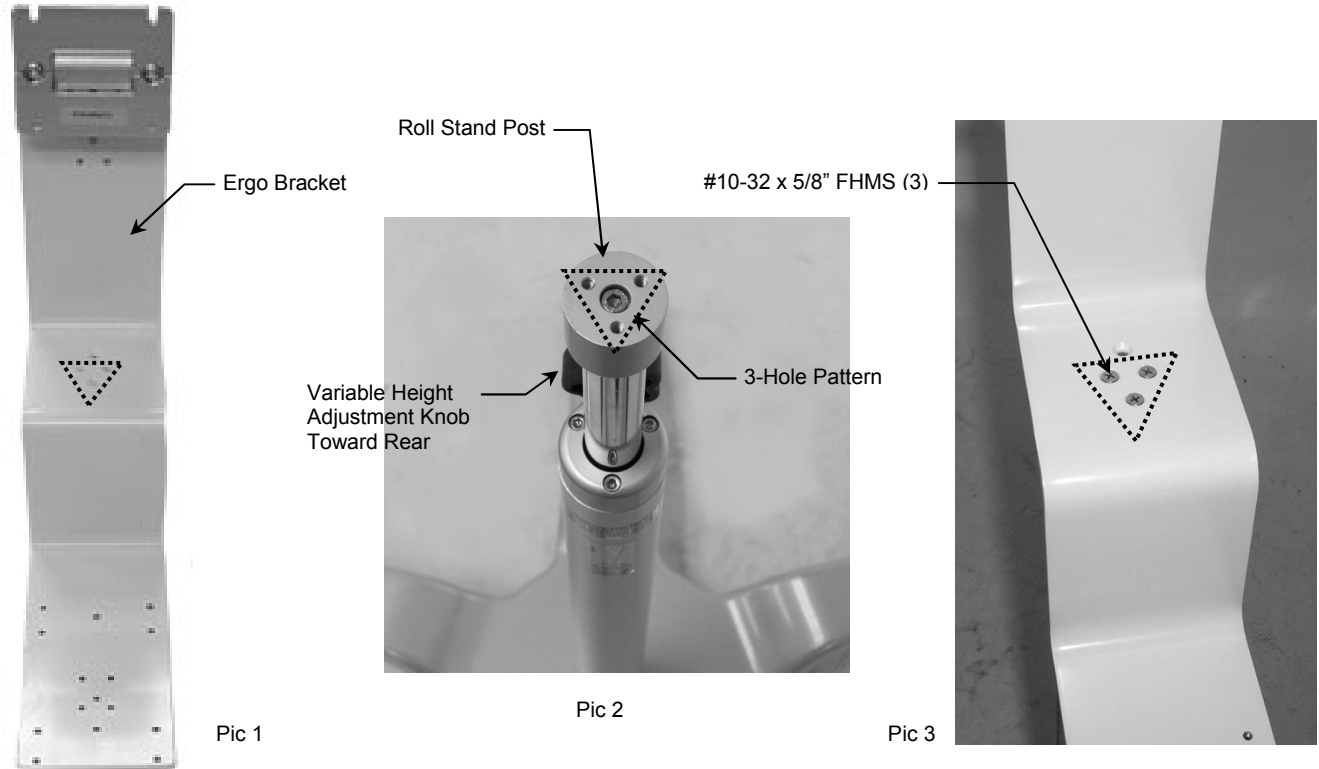Vertical Extension

Horizontal Extension

Ergo Bracket

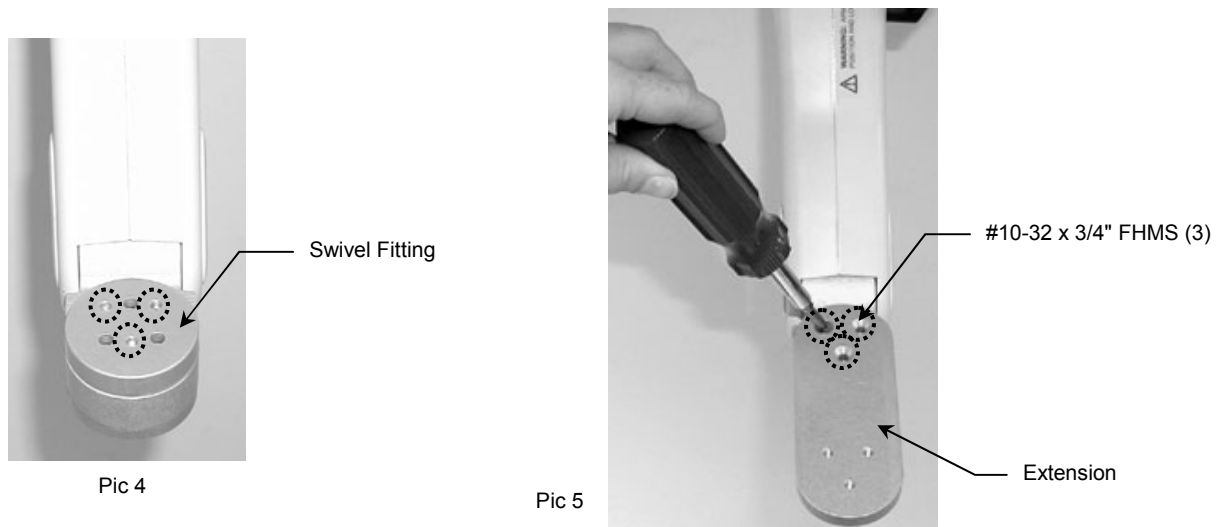**Tools Required:** Phillips screwdriver.

Attachment of Ergo Bracket to Roll Stand

Align the 3-hole pattern in the Ergo Bracket (Pic 1) with three (3) threaded holes in top of the Roll Stand Post (Pic 2). Fasten Bracket to Post with three (3) #10-32 x 5/8" FHMS (Pic 3).
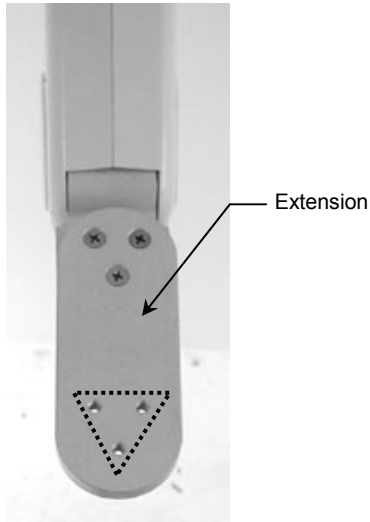
Ergo Bracket

Roll Stand Post

#10-32 x 5/8" FHMS (3)

Variable Height Adjustment Knob Toward Rear

3-Hole Pattern

Pic 1

Pic 2

Pic 3

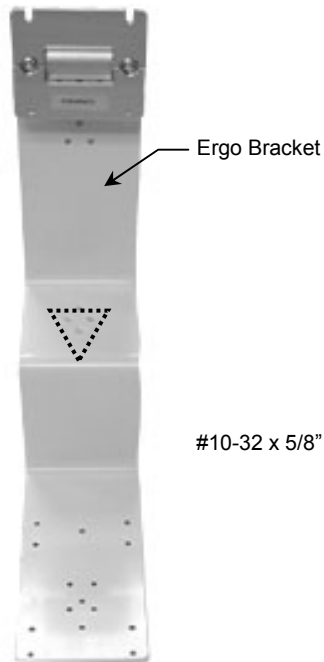## Attachment of Ergo Bracket to VHM Arm

Align the three (3) threaded holes on the VHM arm (Pic 4) with the 3-hole pattern on the Horizontal Extension (Pic 5). Fasten Extension to Arm with three (3) #10-32 x 3/4" FHMS.

Swivel Fitting

#10-32 x 3/4" FHMS (3)
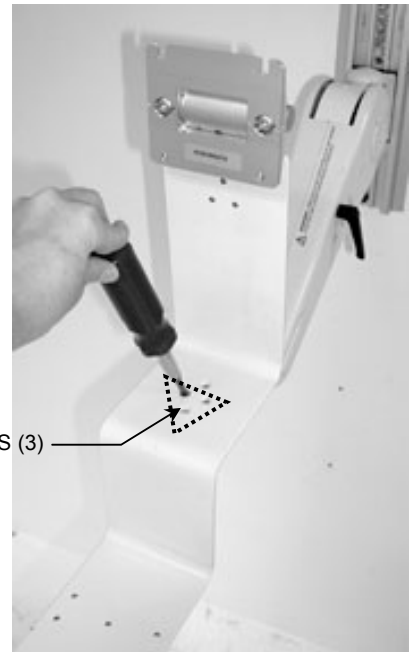
Extension

Pic 4

Pic 5

2. Align the 3-hole pattern on the opposite end of the Extension (Pic 6) with the 3-hole pattern shown on the Ergo Bracket (Pic 7). Fasten Bracket to Extension with three (3) #10-32 x 5/8" FHMS (Pic 8).
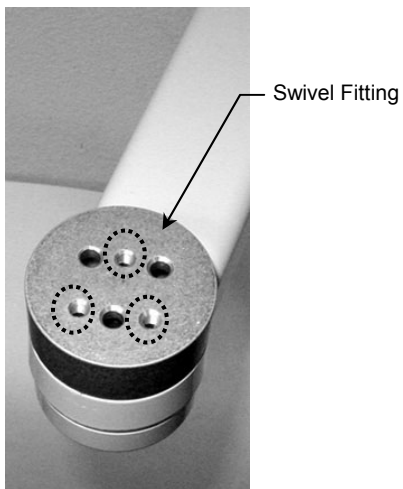
Extension

Pic 6

Ergo Bracket
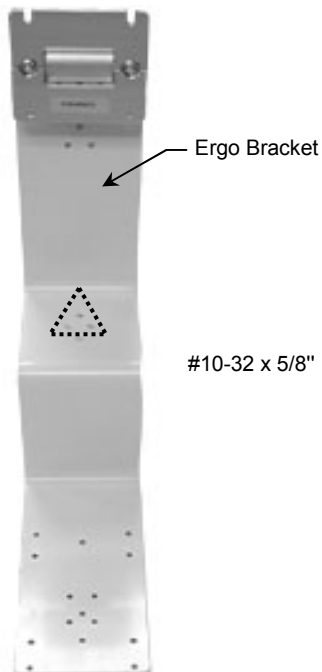
Pic 7

#10-32 x 5/8" FHMS (3)

Pic 8

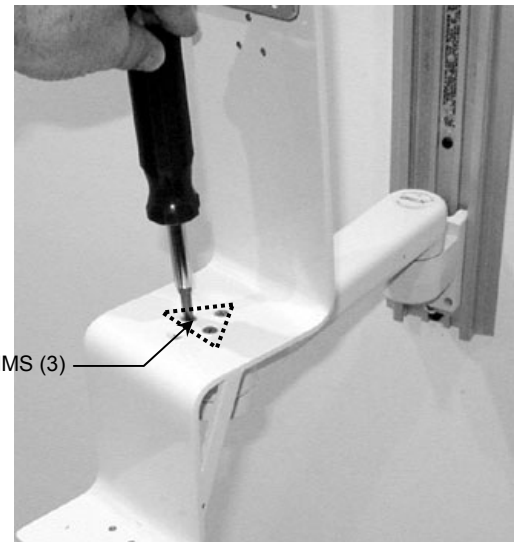**Attachment of Ergo Bracket to M-Series Arm**

Align the threaded 3-hole pattern on the Swivel Fitting with the 3-hole pattern on the Ergo Bracket. Fasten Bracket to Arm with three (3) #10-32 x 5/8" FHMS.
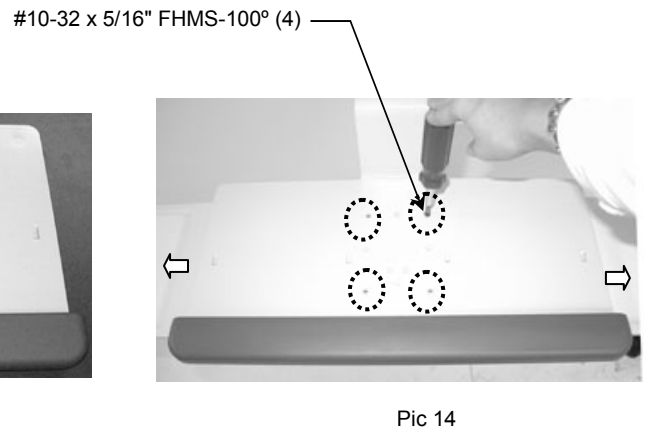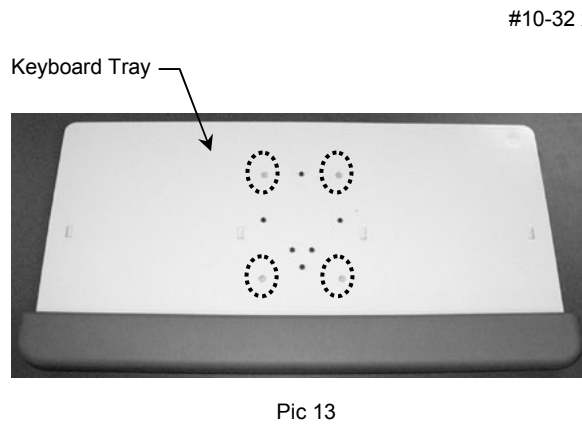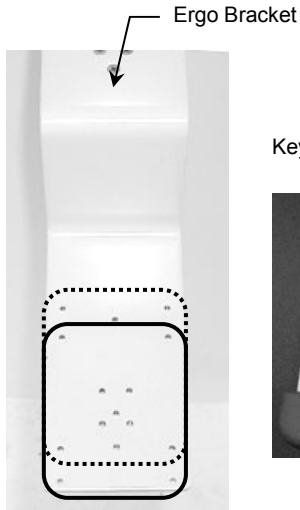
Swivel Fitting

Pic 9

Ergo Bracket

Pic 10

#10-32 x 5/8" FHMS (3)

Pic 11

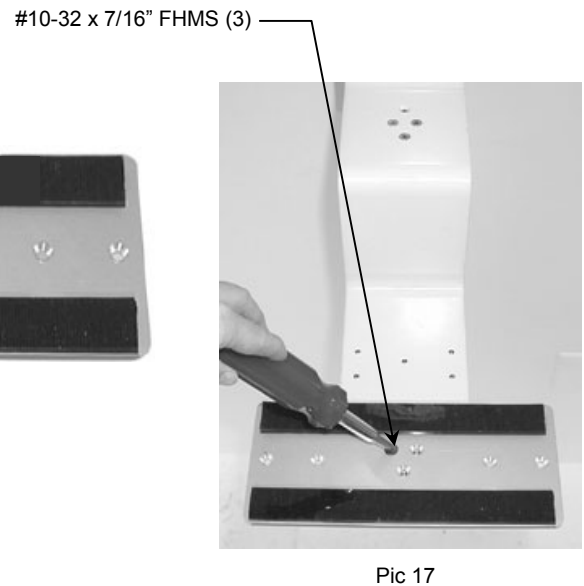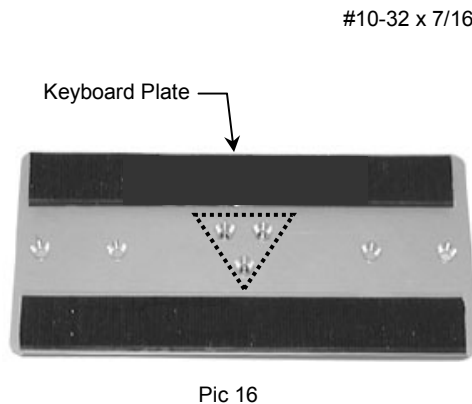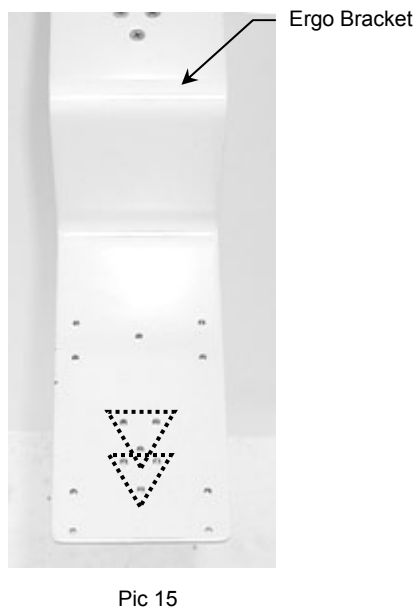### Attaching Keyboard Tray and Plate to Ergo Bracket

Keyboard Tray

Align the 4-hole mounting pattern on the Ergo Bracket (Pic 12) with the 4-hole pattern on the Keyboard Tray (Pic 13) and secure the Tray to the Bracket using four (4) #10-32 x 5/16" FHMS-100º (Pic 14). **Note:** For greater separation between keyboard and display screen, a second mounting pattern is provided to mount the Keyboard Plate closer to the front of the Ergo Bracket. **Installation Note:** It may be necessary to slide both left and right mouse trays outward a few inches (Pic 14) before attaching the Keyboard Tray to the Bracket.

Ergo Bracket

Keyboard Tray

#10-32 x 5/16" FHMS-100º (4)

Pic 12

Pic 13

Pic 14

Keyboard Plate

Align the 3-hole mounting pattern on the Ergo Bracket (Pic 15) with the 3-hole pattern on the Keyboard Plate (Pic 16) and secure the Plate to the Bracket using three (3) #10-32 x 7/16" FHMS (Pic 17). **Note:** For greater separation between keyboard and display screen, a second mounting pattern is provided to mount the Keyboard Plate closer to the front of the Ergo Bracket.

Ergo Bracket

Keyboard Plate

#10-32 x 7/16" FHMS (3)

Pic 16

Pic 15

Pic 17

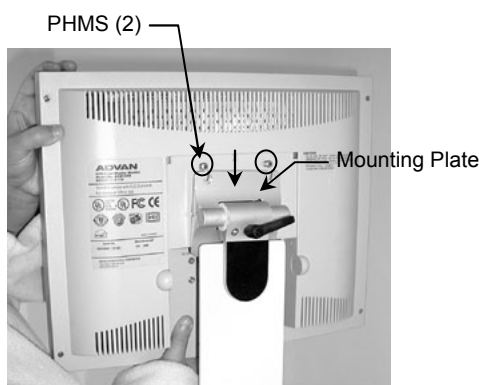## Mounting a Flat Panel Display on the Ergo Bracket

Installation Note

A Flat Panel Mounting Adapter Kit (included) is required if the display being mounted has a 100 x 100mm mounting pattern on the rear of the housing. Below is a quick procedure for mounting a display with a 75 x 75mm mounting pattern. Refer to *DU-FLP-0002-17* (included with the Mounting Adapter Kit) for complete mounting procedures.
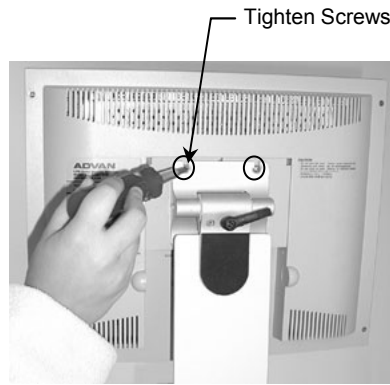
Mounting a Flat Panel Display with a 75 x 75mm VESA Mounting Pattern

An assortment of M4 pan head machine screws (PHMS) is provided with the Mounting Adapter Kit. Determine the appropriate length screw for your application before mounting the display.
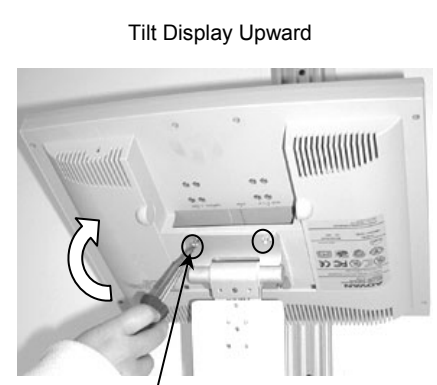
1. Insert two (2) M4 PHMS in the top threaded holes of the display housing (Pic 18), leaving 4mm of screw thread exposed.

2. Guide the top two (2) screws into the slots in the Mounting Plate and tighten (Pic 19).

3. Tilt the display upward for access to the bottom of the Mounting Plate and insert two (2) M4 PHMS in the remaining mounting holes (Pic 20).

PHMS (2) Tighten Screws Tilt Display Upward

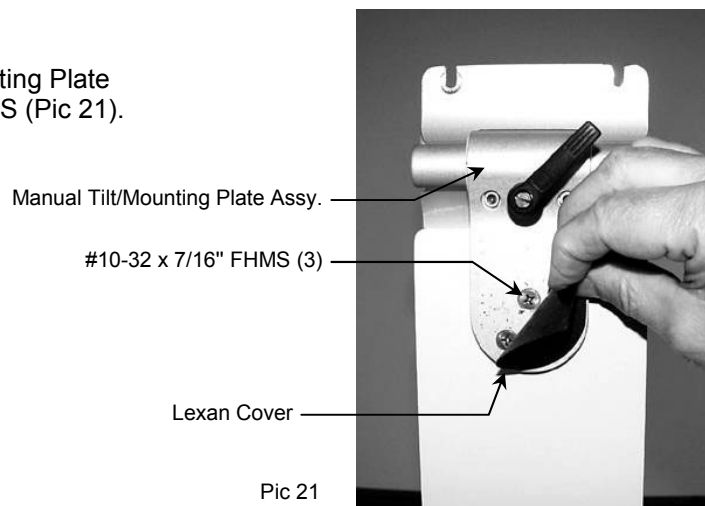Mounting Plate PHMS (2)

Pic 18   Pic 19   Pic 20

Mounting Larger Flat Panel Displays

A Vertical Extension is provided with this installation kit to allow the Ergo Bracket to accommodate larger Flat Panel Displays. The following procedure describes attachment of the Vertical Extension.
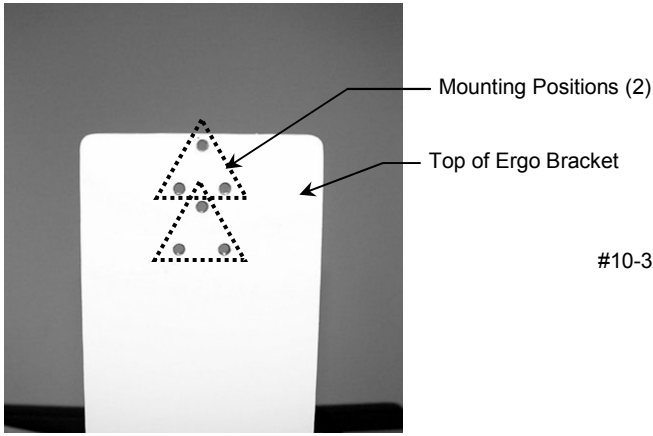
Attaching the Vertical Extension

1. Remove the Lexan Cover from the Manual Tilt/Mounting Plate Assembly and unscrew three (3) #10-32 x7/16" FHMS (Pic 21). Retain these three screws for use in Step 3.

Manual Tilt/Mounting Plate Assy.

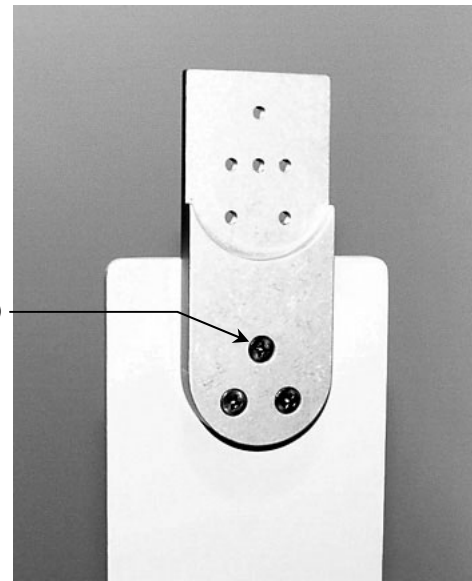#10-32 x 7/16" FHMS (3)

Lexan Cover

Pic 21

Installation Note: Four (4) mounting positions are provided for vertically extending the Display mount: two (2) positions on top of the Ergo Bracket (Pic 22) and two (2) positions on the Vertical Extension (Pic 24).

2. Select the desired mounting height for your Display and attach the Vertical Extension to the Ergo Bracket using three (3) #10-32 x 3/4" FHMS (Pic 23).

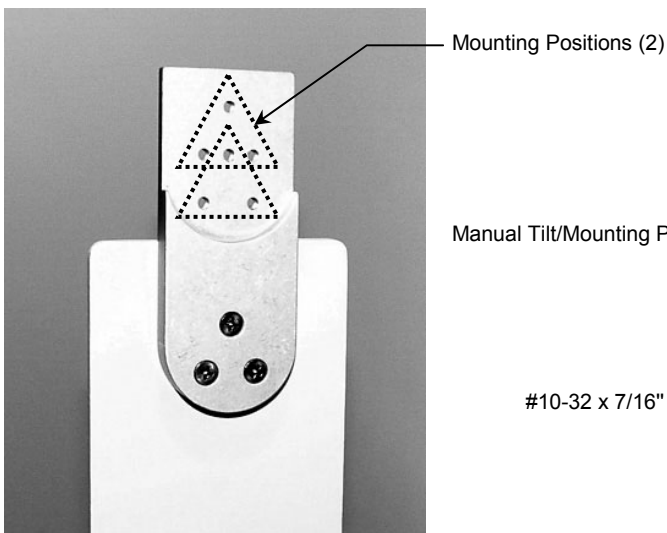Mounting Positions (2)

Top of Ergo Bracket
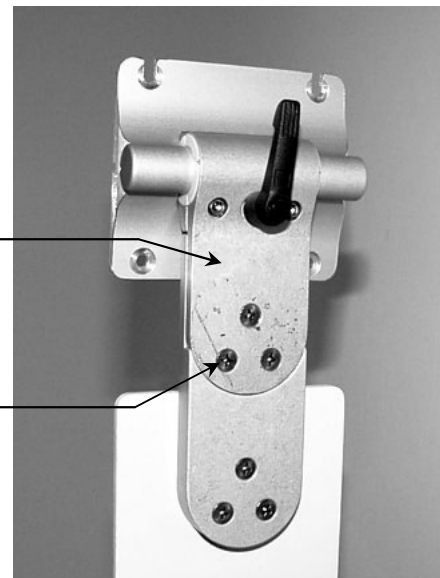
Pic 22

#10-32 x 3/4" FHMS (3)

Pic 23

3. Select the desired mounting position (Pic 24) and attach the Manual Tilt/Mounting Plate Assembly to the Vertical Extension using the three (3) #10-32 x7/16" FHMS removed in Step 1 (Pic 24). **Note:** New Lexan Covers are provided for covering screw heads on the Vertical Extension and Manual Tilt/Mounting Plate Assembly. Peel off backing and place new covers over the screw heads if desired.

Mounting Positions (2)

Pic 24

Manual Tilt/Mounting Plate Assy.

#10-32 x 7/16" FHMS (3)

Pic 25

4. Mount the Flat Panel Display in accordance with *DU-FLP-0002-17*.