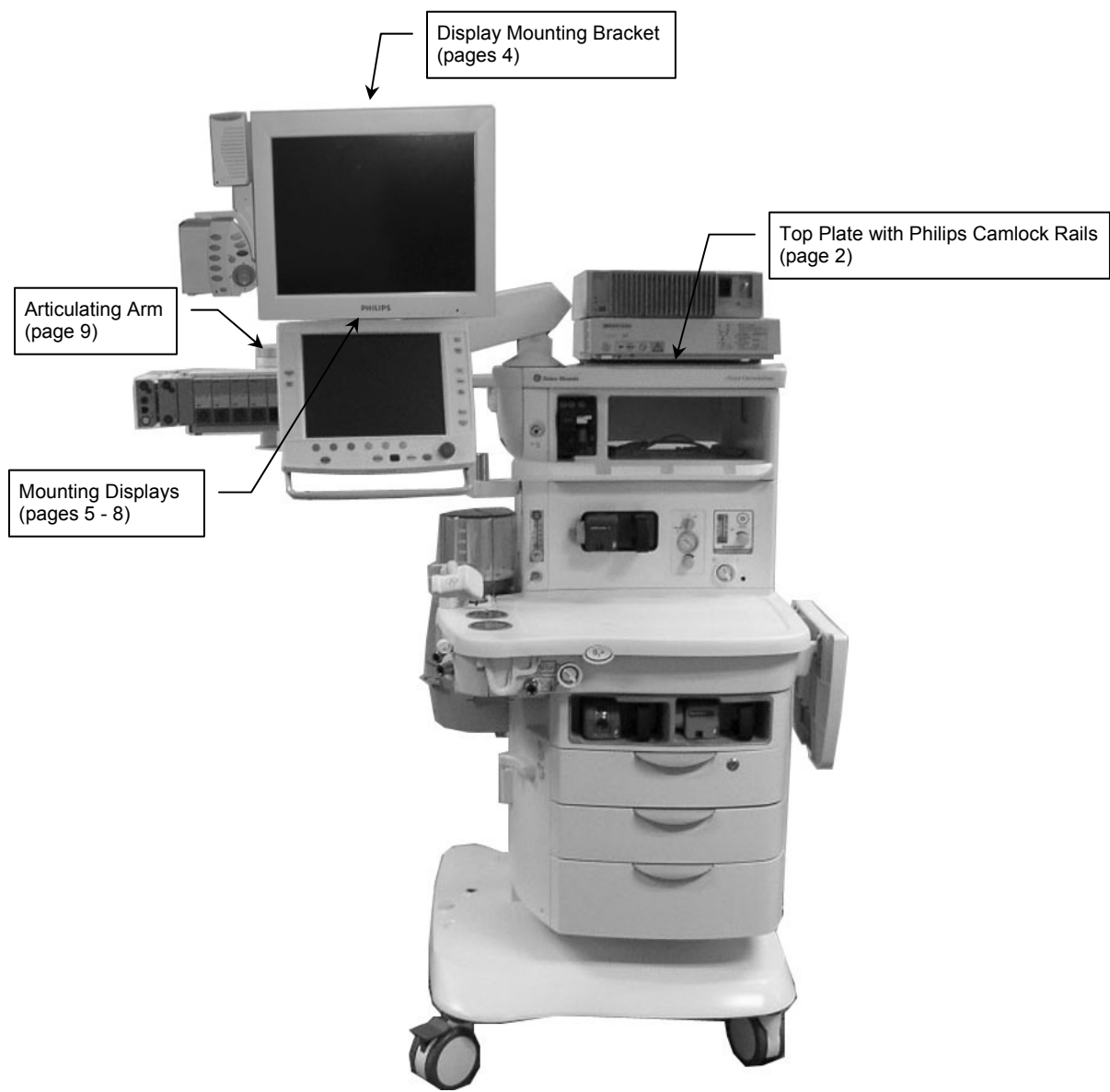**Installation Guide**

Installation Kit for Mounting Philips MP90 on GE Healthcare Aisys Carestation

The purpose of this guide is to:

1. *Describe attachment of Top Plate to machine.*
2. *Describe attachment of Display Mounting Bracket to display arm.*
3. *Describe mounting of displays on Display Mounting Bracket.*
4. *Describe attachment of Down Post to Articulating Arm.*
5. *Describe mounting of Articulating Arm on left side of anesthesia machine.*

Display Mounting Bracket
(pages 4)

Top Plate with Philips Camlock Rails
(page 2)

Articulating Arm
(page 9)

Mounting Displays
(pages 5 - 8)

Attaching Top Plate to Anesthesia Machine

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

| Item #	Description	Qty
1	Top Plate/Camlock Rail Assembly	1
2	M5 x 12mm Flat Head Machine Screw (FHMS)	4
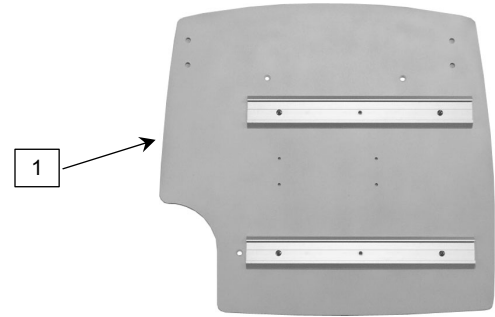
**Tools required:** Phillips screwdriver (not provided).

1. Locate the four (4) threaded inserts shown in photo below left. **Installation Notes:** It may be necessary to remove hole covers to expose the threaded inserts. The right front mounting hole will be covered by the front Camlock Rail (see step 3).
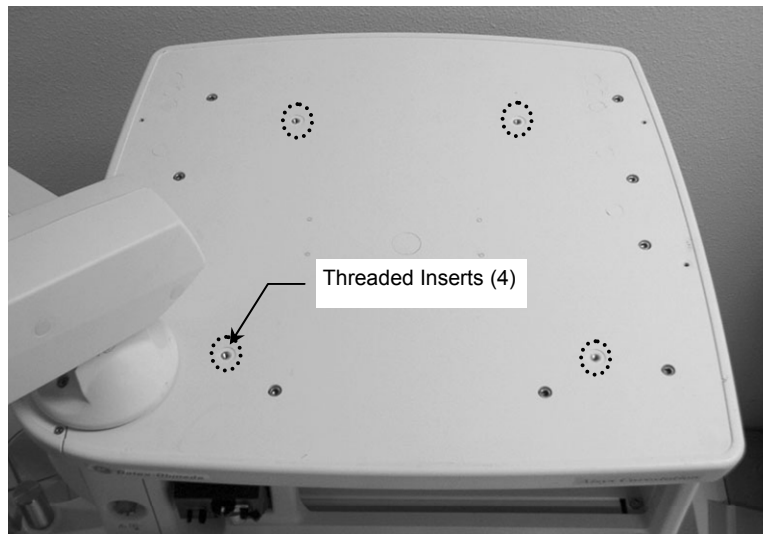
Threaded Inserts (4)

2. Align three (3) mounting holes in Top Plate with corresponding threaded inserts in top of machine. Fasten Top Plate to machine with three (3) M5 x 18mm FHMS. **Installation Note:** A fourth screw will be installed in step 3.

Fasten Top Plate to Machine with M5 x 18mm FHMS (3)
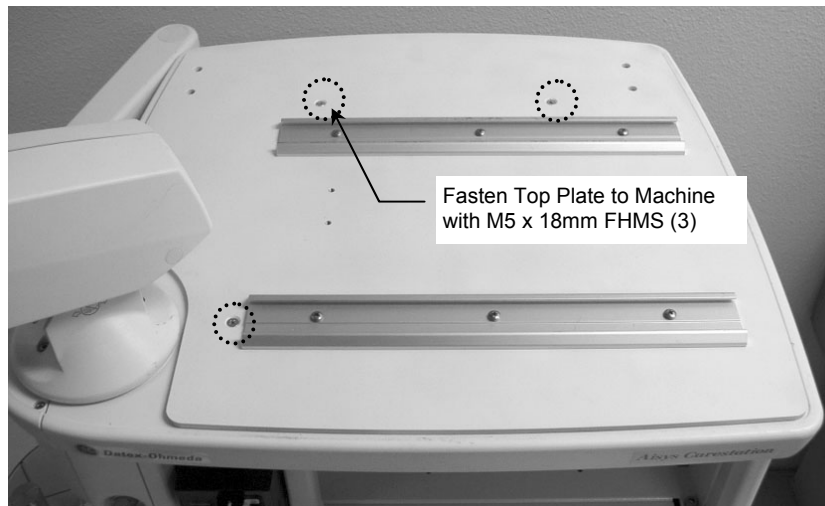
3. Unscrew and remove right and center screws from front Camlock Rail. Loosen left screw and rotate Rail enough to allow access to fourth mounting hole. Install M5 x 18mm FHMS in threaded insert. Return Rail to original mounting position, reinstall right and center screws, and tighten left screw in Camlock Rail.

Remove Right & Center Screws

Loosen Left Screw

M5 x 18mm FHMS (1)
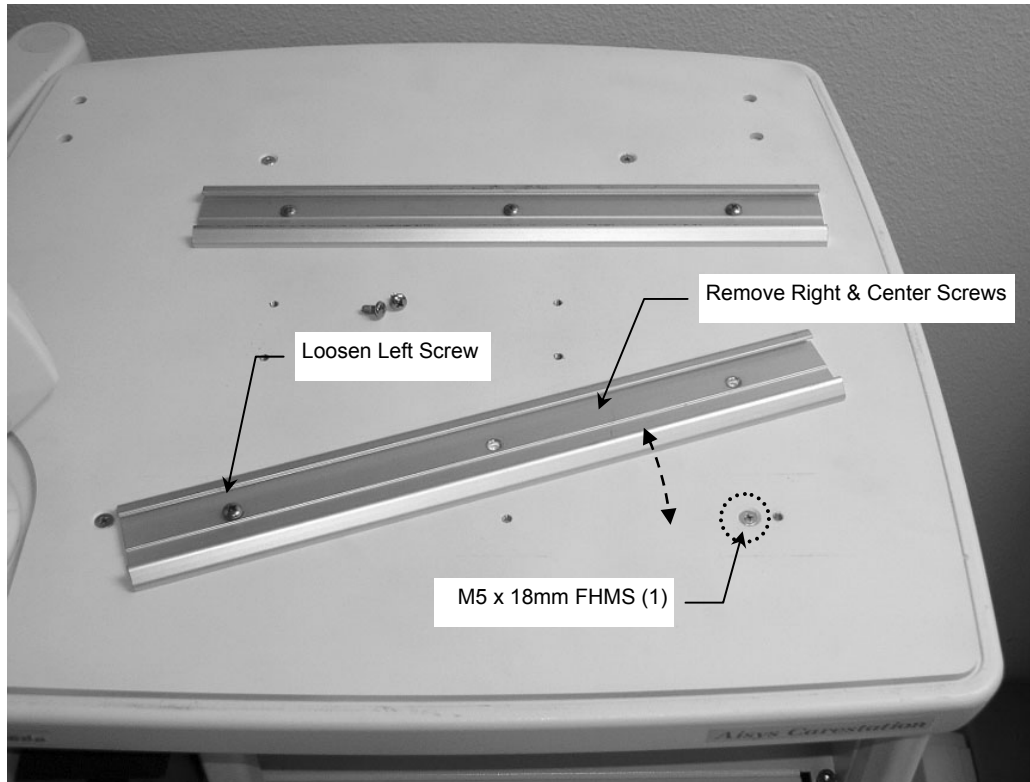
Attaching the Display Mounting Bracket to the Display Arm

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

| Item #	Description	Qty
1	Display Mounting Bracket	1
2	Remote Keypad Bracket	1
3	M6 x 16mm Socket Head Cap Screw (SHCS)	4
4	M4 x 12mm Pan Head Machine Screw (PHMS)	8
5	3/16" Hex Wrench	1
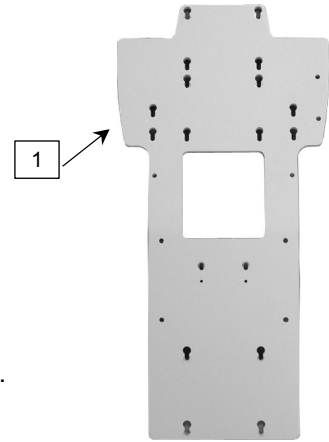
Tools Required: 3/16" hex wrench (provided), Phillips screwdriver (not provided).

1. Remove existing display and counterweight from display arm in accordance with the Aisys Technical Reference Manual.

Display Arm with Display and Counterweight Removed
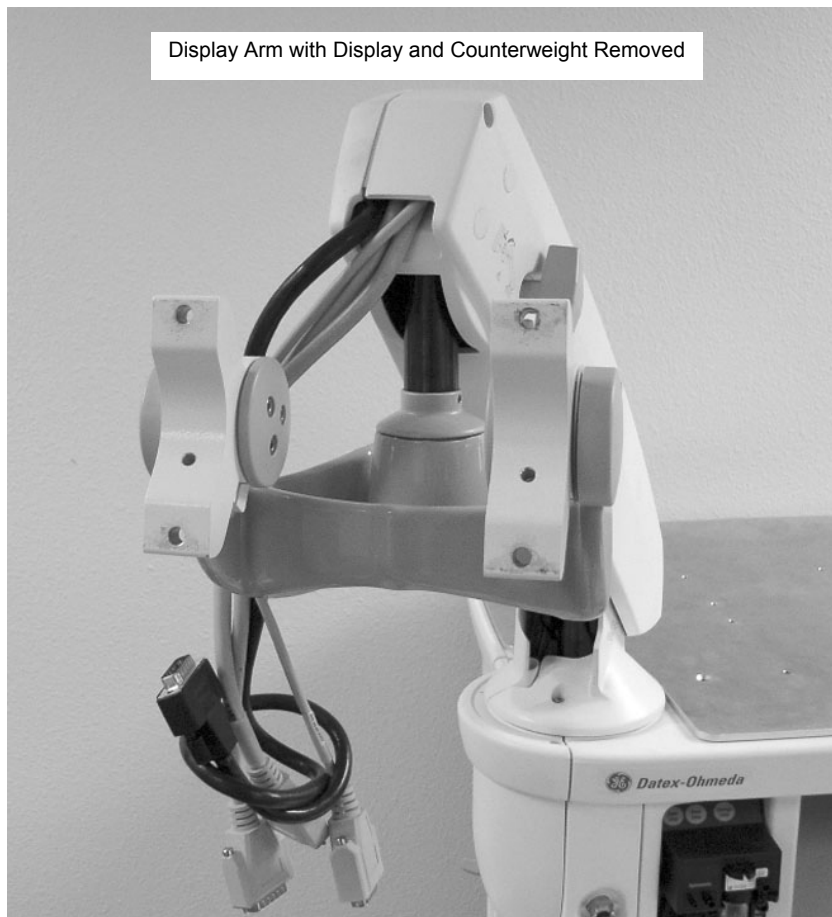
2. Align Display Mounting Bracket with mounting holes in display arm. **Installation Note:** Ensure Display Mounting Bracket is angled away from the arm. Using the 3/16" hex wrench provided, fasten Mounting Adapter to display arm with four (4) M6 x 16mm SHCS.

Display Mounting Bracket

M6 x 16mm SHCS (4)

Mounting Holes (4)
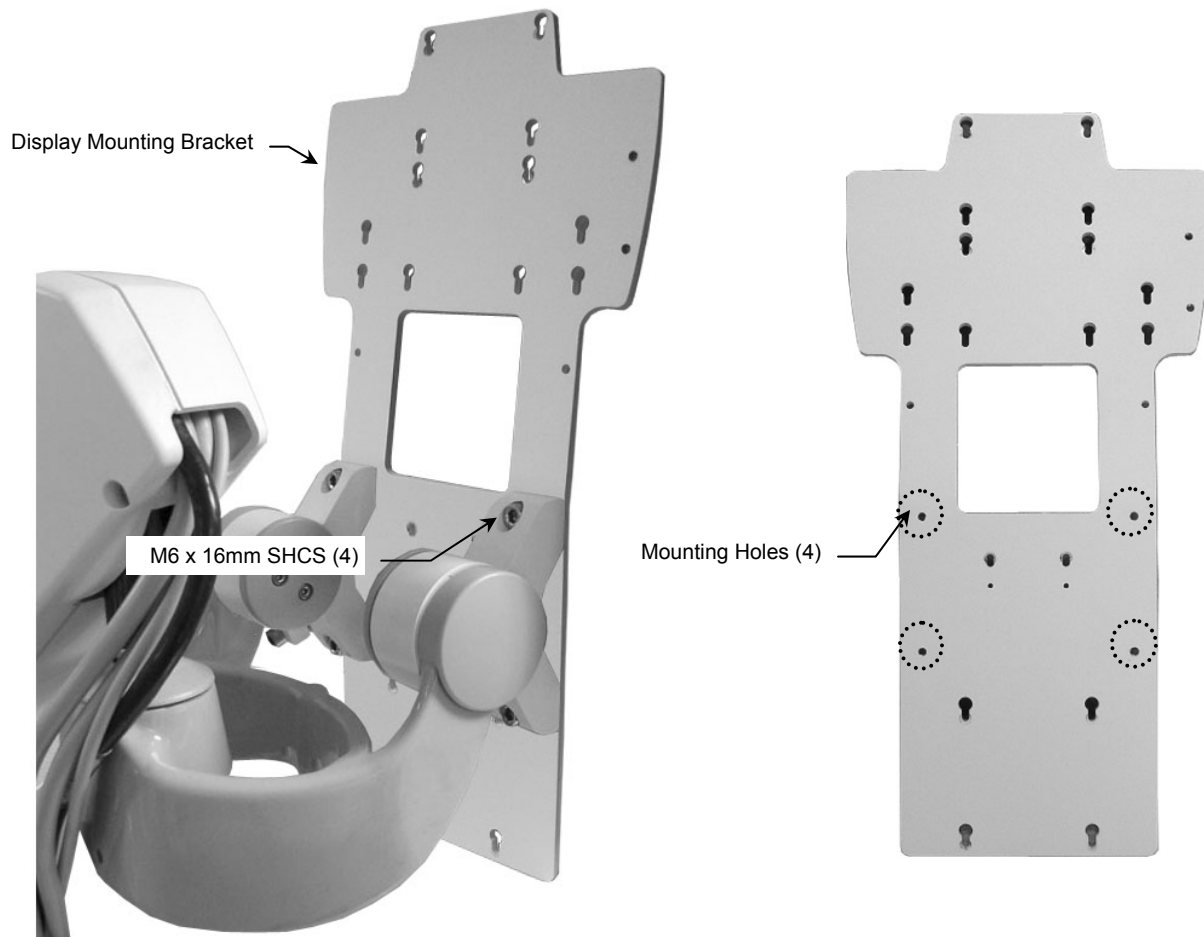
Mounting a Display, Remote Speedpoint, External Alert Device, and Power Supply

Several display-mounting options are provided in this installation kit. Refer to the following separate installation guides for mounting procedures and application information. Please read the following installation notes before mounting a display.
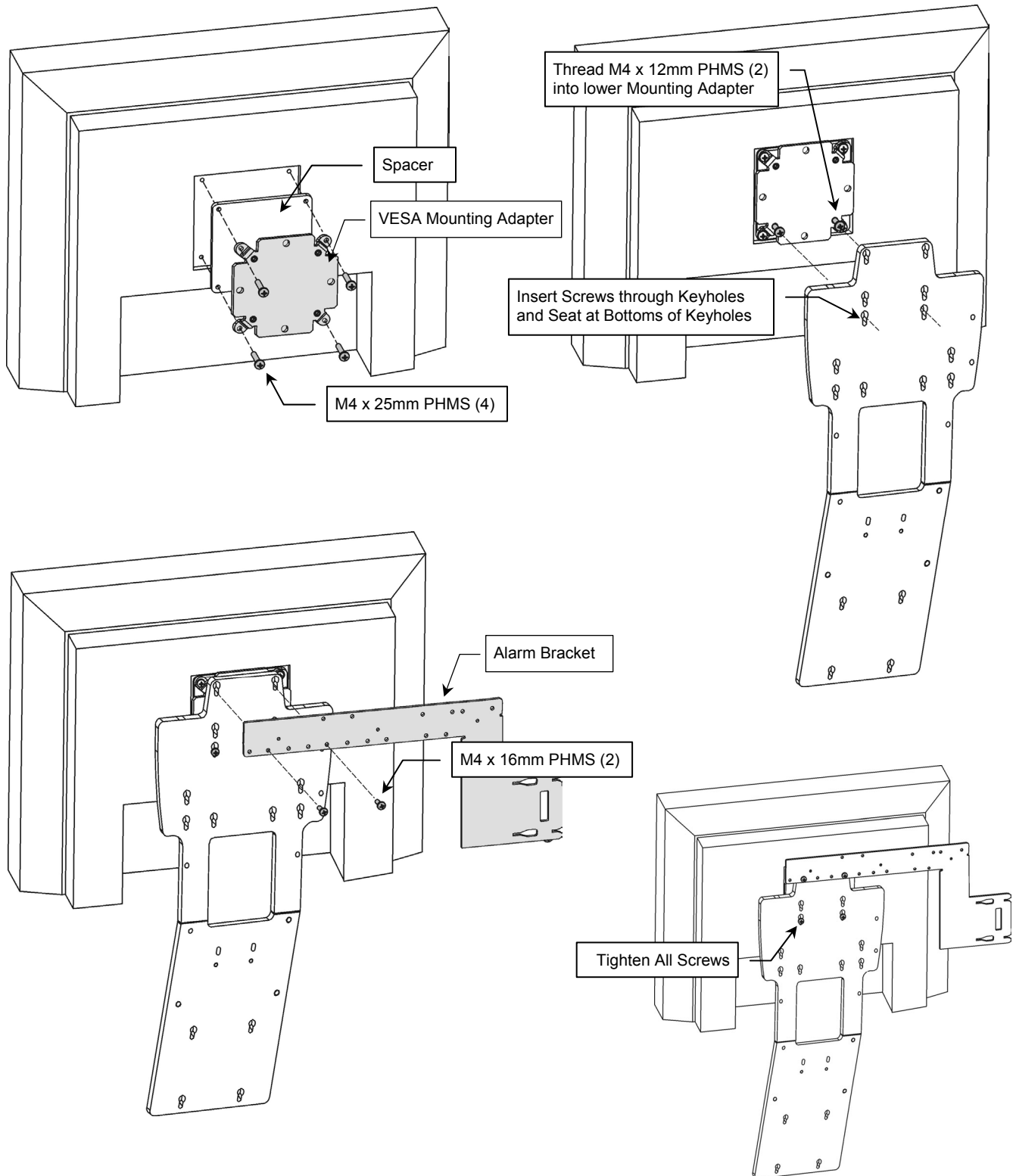
Installation Notes

1. *Mounting Kit for 75/100 VESA Compatible Flat Panel Displays (DU-FLP-0002-17):* This installation kit may be required to convert a 100 x 100mm mounting pattern to a 75 x 75mm mounting pattern. This kit contains screws and spacers which may be required for mounting the flat panel display.

2. *Mounting an M8033C (17") or M8031B (15") display:* A Spacer (provided) is required for mounting either display. Insert appropriate Spacer and mount display as shown on pages 6 - 7.
   17" display: Use M4 pan head machine screws plus VESA Mounting Adapter from *Mounting Kit for 75/100 VESA Compatible Flat Panel Displays.*
   15" display: Use M4 pan head machine screws from *Mounting Kit for 75/100 VESA Compatible Flat Panel Displays.*

3. *Philips MP90 Remote Speedpoint Mounting Bracket and Adapter, and External Alert Device Mounting Bracket (AG-0019-80).* This installation kit includes a separate installation guide (DU-AG-0019-80) which should be used in conjunction with pages 6-7 for mounting remote speedpoint bracket, external alert device and power supply.

Mounting a Display on the Display Mounting Bracket

Installation Note: Display Mounting Bracket shown detached from display arm for clarification.

17" (M8033C) Display

Mount display as shown below.

Spacer

VESA Mounting Adapter

M4 x 25mm PHMS (4)

Thread M4 x 12mm PHMS (2)
into lower Mounting Adapter

Insert Screws through Keyholes
and Seat at Bottoms of Keyholes

Alarm Bracket

M4 x 16mm PHMS (2)

Tighten All Screws

15" (M8031B) Display

Mount display as shown below.

Spacer

Thread M4 x 16mm PHMS (2)
into Display (through spacer)

Insert Screws through Keyholes
and Seat at Bottoms of Keyholes

Alarm Bracket

M4 x 20mm PHMS (2)
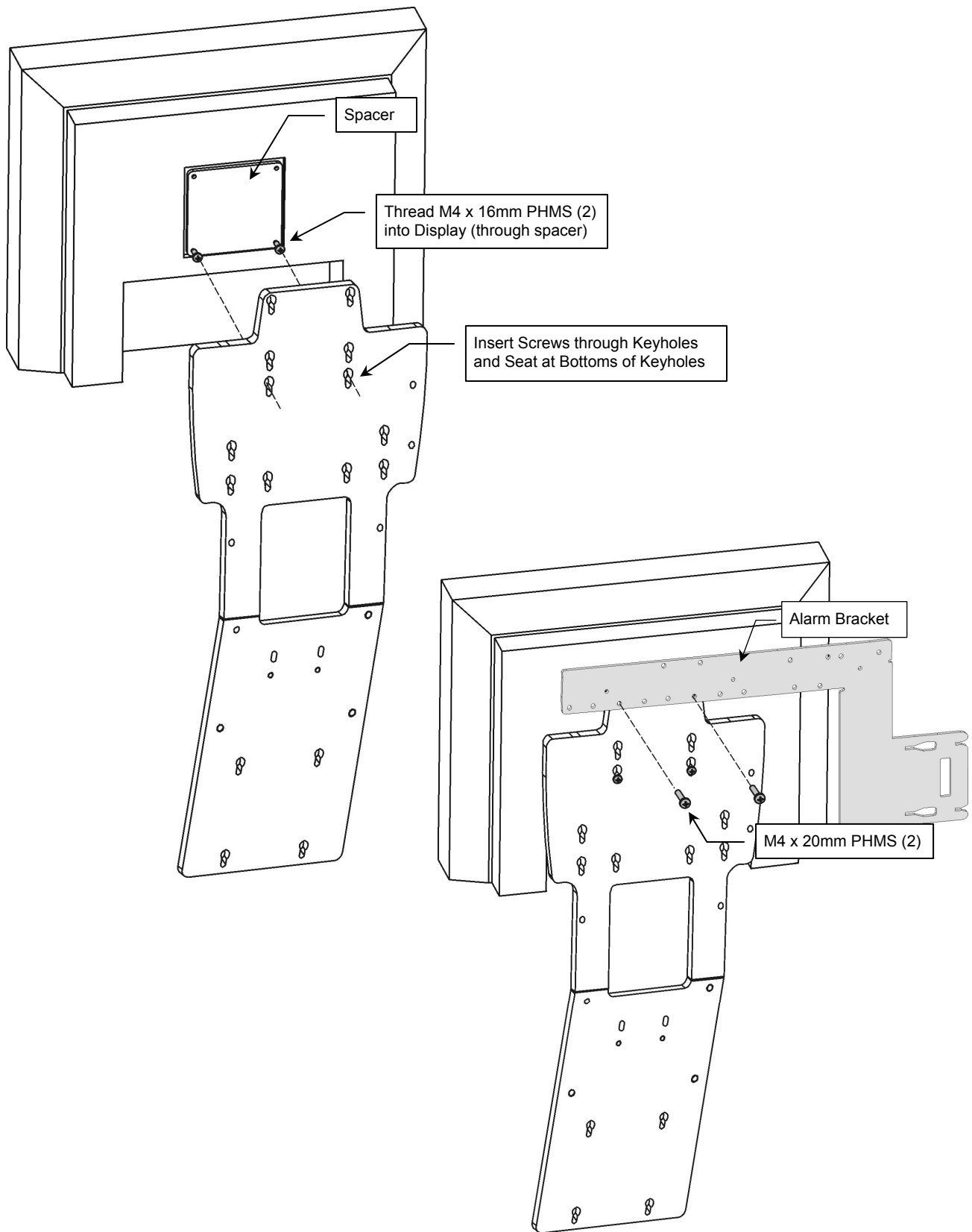
Mounting a 12" Display on the Display Mounting Bracket

Mount display as shown below.

12" Display

Thread M4 x 12mm PHMS (4)
into Rear of Display

Insert Screws through Keyholes
and Seat at Bottoms of Keyholes

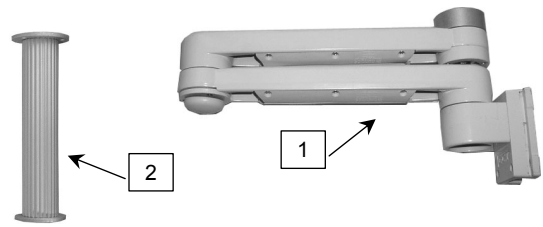Tighten All Screws
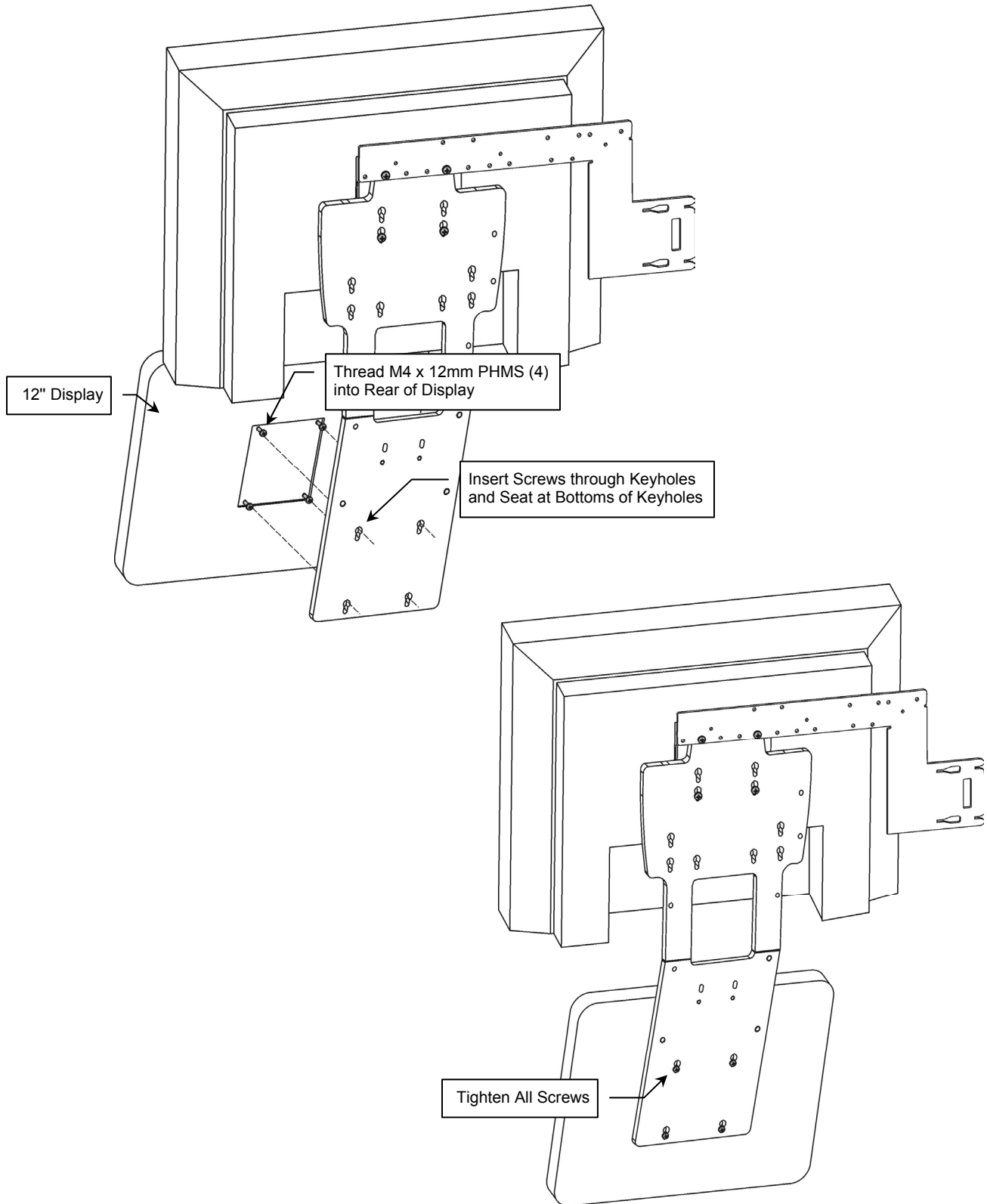
Attaching Down Post to Articulating Arm and Mounting Arm in Left Channel

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

| Item #	Description	Qty
1	M-Series Articulating Arm, 12" x 12"	1
2	Down Post, 6"	1
3	#10-32 x 3/8" Socket Head Cap Screw (SHCS)	3
4	5/32" Hex Wrench	1
5	1/8" Hex Wrench	1

Tools required: 5/32" and 1/8" hex wrenches (provided).

1. Using the 5/32" hex wrench provided, fasten Post to Swivel Cup with three (3) #10-32 x 3/8" SHCS as shown below.

M-Series Arm

Swivel Cup

#10-32 x 3/8" SHCS (3)

6" Post

2. Insert Slide (rear of Arm) in bottom of channel and move to desired mounting position. Using the 1/8" hex wrench provided, tighten two (2) socket head set screws at bottom of Slide.

Tighten Set Screws Bottom of Slide

Insert Slide
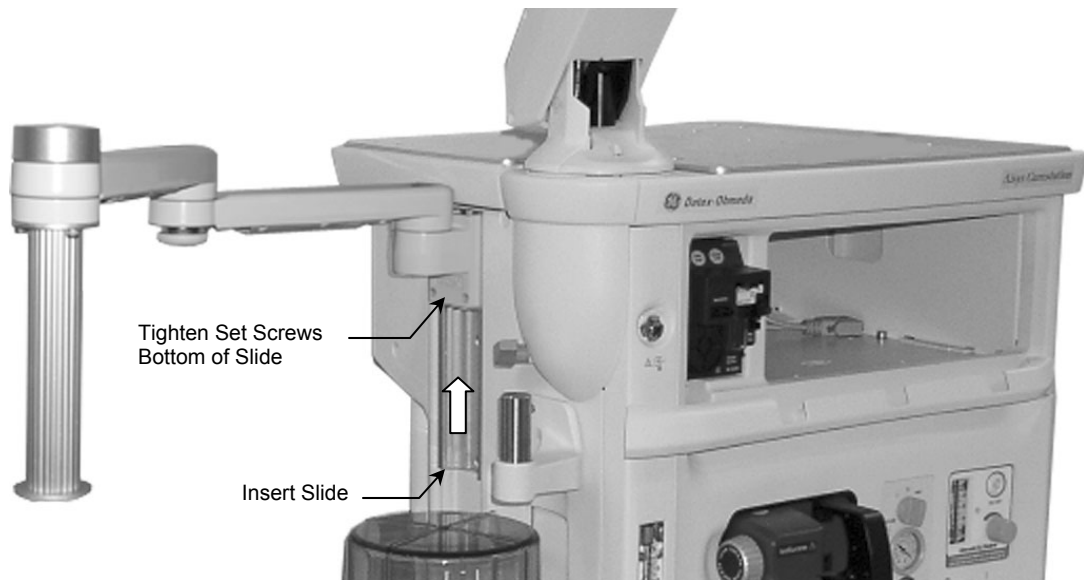
Mounting Philips MP90 Equipment on Camlock Rails & Down Post

1. Mount EGM and CPU on camlock rails according to Philips instructions.

2. Follow Philips instructions for mounting FMS on Down Post. A Philips-supplied clamp is required for this installation.

EGM and CPU in Camlock Rails

FMS Clamped to Down Post