

GCX Mounting Assembly Installation Guide

Datex-Ohmeda Aestiva – Display Arm Mounting Kit for
 Philips IntelliVue MP5/20/30/40/50/60/70,
 MX400/450/500/550/600/700/800



The purpose of this guide is to:

1. Describe mounting of 7" Channel.
2. Describe mounting of Counterweight.
3. Describe attachment of Table Mount to Mounting Bracket.
4. Describe attachment of Mounting Bracket to model 7100 ventilator display.
5. Describe attachment of Mounting Bracket to model 7900 ventilator display.
6. Describe attachment of Boom Arm Down Post or Side Post Assembly.



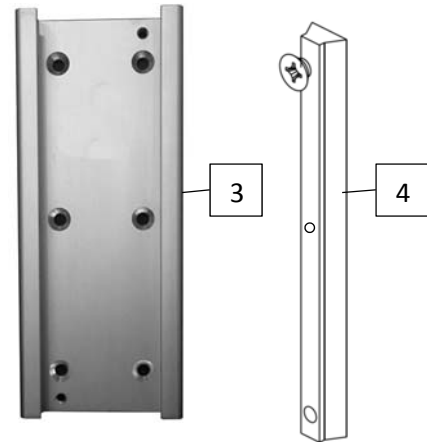
CAUTION:The Counterweight must be mounted on the anesthesia before mounting the monitor and related instruments. For this application the Counterweight will be mounted on the right side of the machine. Attachment of the 7" Channel Assembly is required for mounting the Counterweight.

Mounting the 7" Channel

Parts Reference

The following parts and hardware will be used in this installation (see photo for parts, hardware not shown):

Item #	Description	Qty
1	Backing Plate	1
2	Channel Cap	1
3	Channel, 7" for Dovetail Track	1
4	Dovetail Runner with guide screw	1
5	Fixed Stop	1
6	10-32 X 3/16" Pan Head Machine Screw (FHMS)	2
7	10-32 X 7/16" Pan Head Machine Screw (FHMS)	7



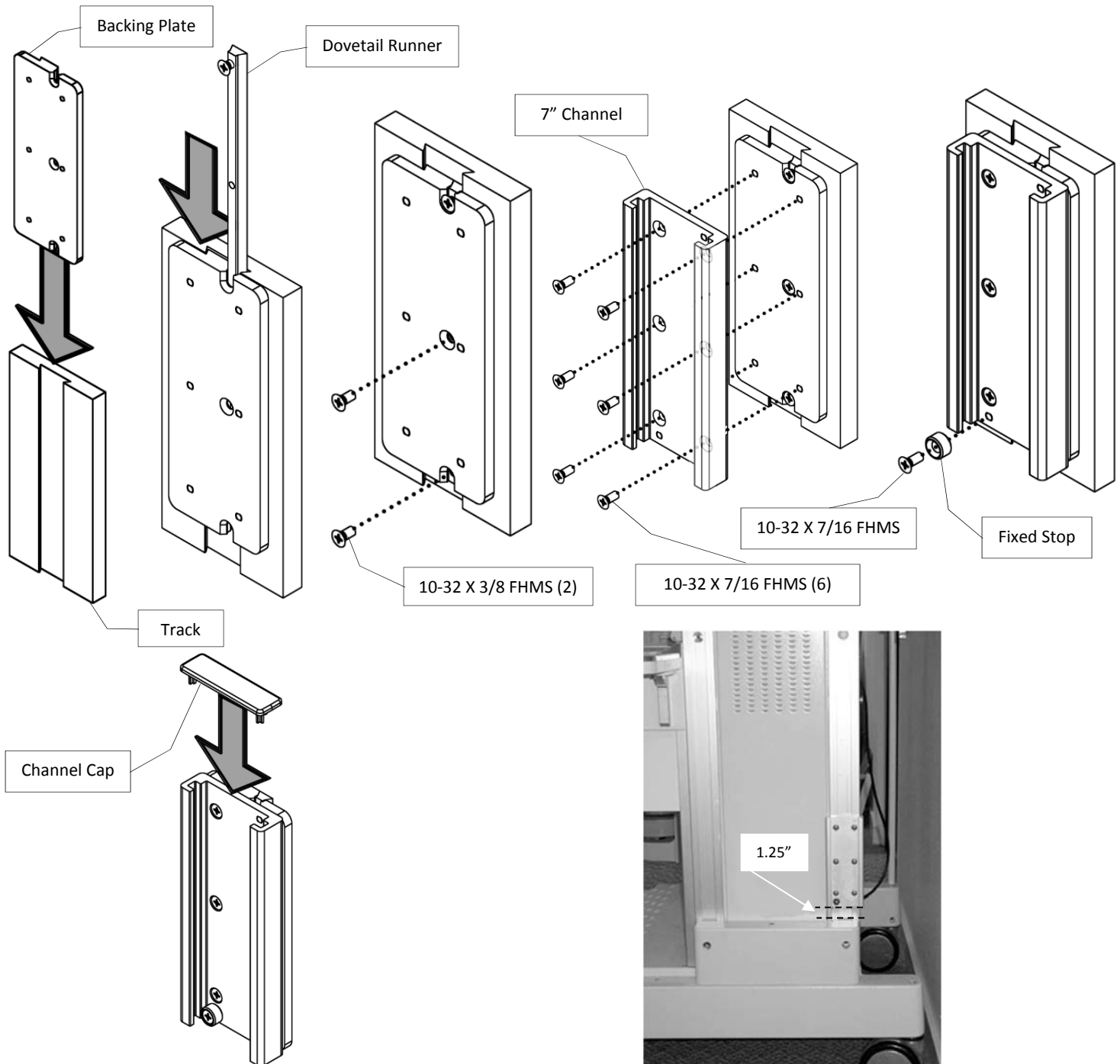
Tools Required for This Task:

Phillips screwdriver (Not Provided)

1. Thread one (1) 10-32 x 3/16" FHMS into one end Dovetail Runner, leaving 6mm of thread exposed between washer and Runner. This Runner will be inserted behind the Channel in step 3.

From Left to Right in Illustrations Below:

2. Insert Backing Plate (with back fitting shape of track) into rear track allowing enough room for Dovetail Runner.
3. While holding Assembly in position, insert Dovetail Runner in track (behind Channel), ensuring that screw slides into slot.
4. Thread two (2) 10-32 x 3/8" FHMS into remaining threaded holes in the Dovetail Runner.
5. Position the bottom of the Backing Plate 1.25" above the base of the machine or existing counterweight (see photo at bottom of page). Tighten all three (3) screws.
6. Align 7" Channel with threaded holes of Backing Plate and install using six (6) 10-32 x 7/16" FHMS.
7. Install fixed stop by threading one (1) 10-32 x 7/16" FHMS into lowest remaining hole in 7" Channel.
8. Install Channel Cap after mounting device in Channel.



Mounting the Counterweight

Parts Reference

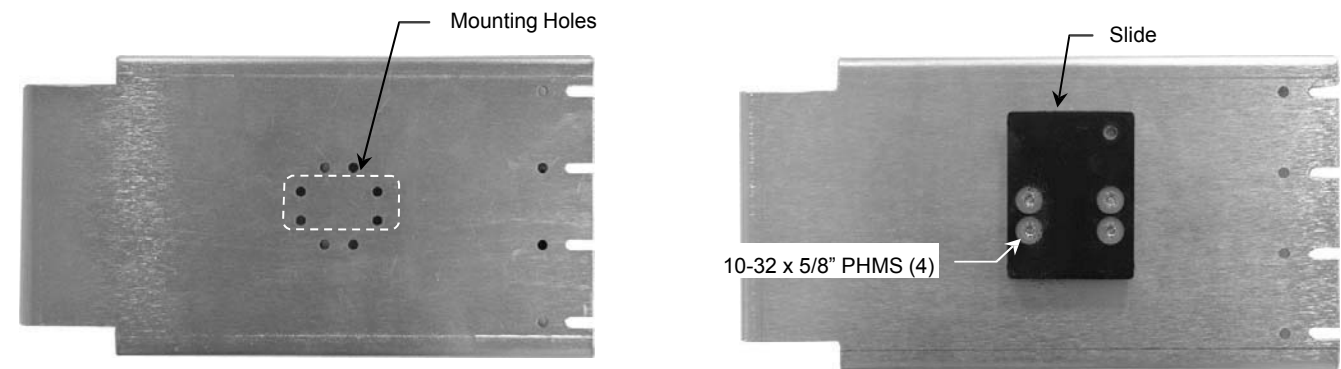
The following parts and hardware will be used in this installation (see photo for parts, hardware not shown):

Item #	Description	Qty
1	Weight Bar	1
2	Mounting Bracket	1
3	#10-32 x 1/4" Flat Head Machine Screw (FHMS), 100°	4
4	Counterweight Cover	1
5	Slide	1
6	#10-32 x 5/8" Pan Head Machine Screw (PHMS)	4

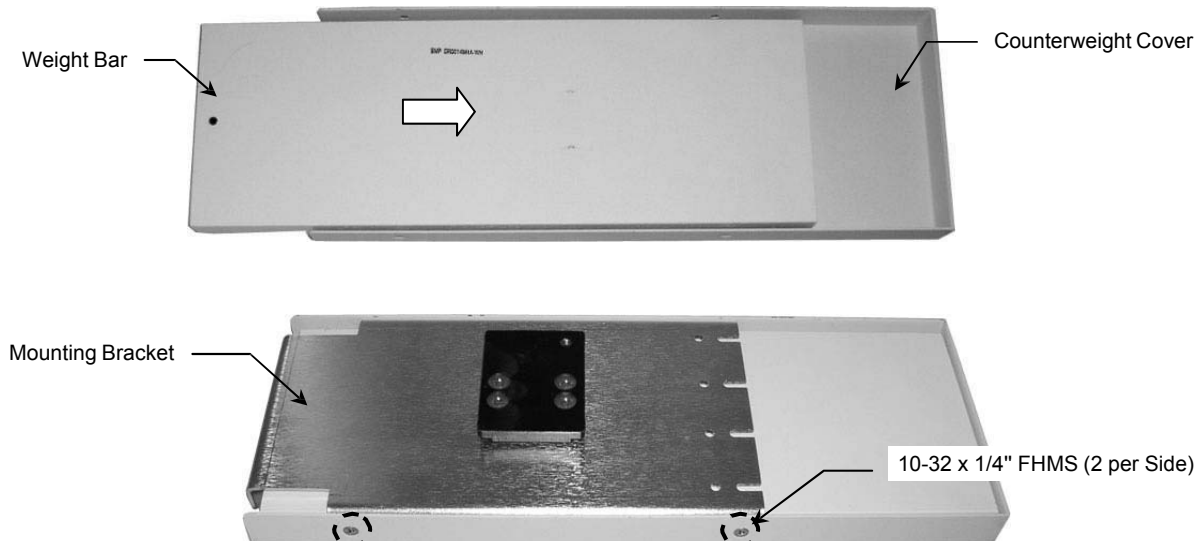


Tools Required for This Task: Phillips screwdriver.

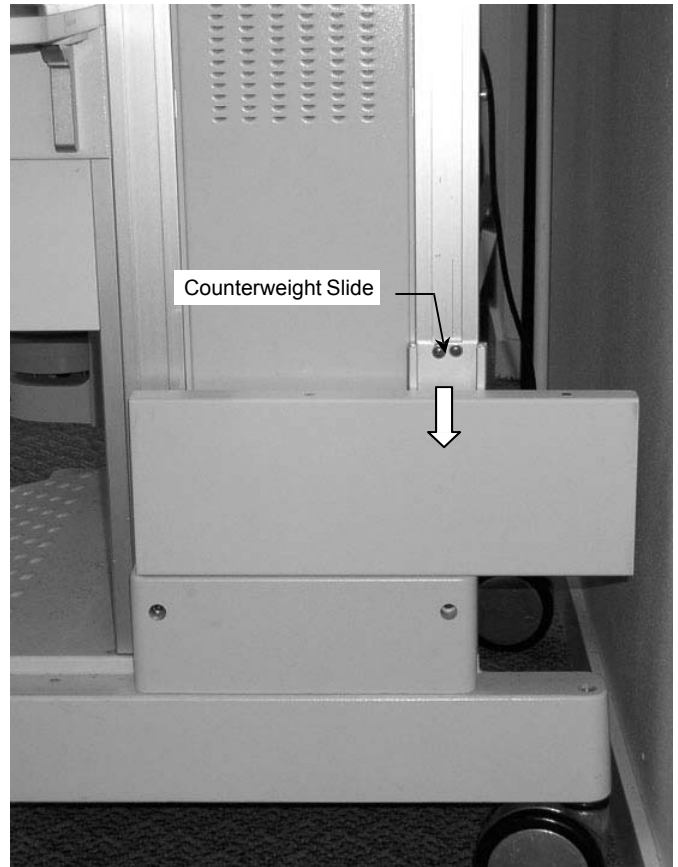
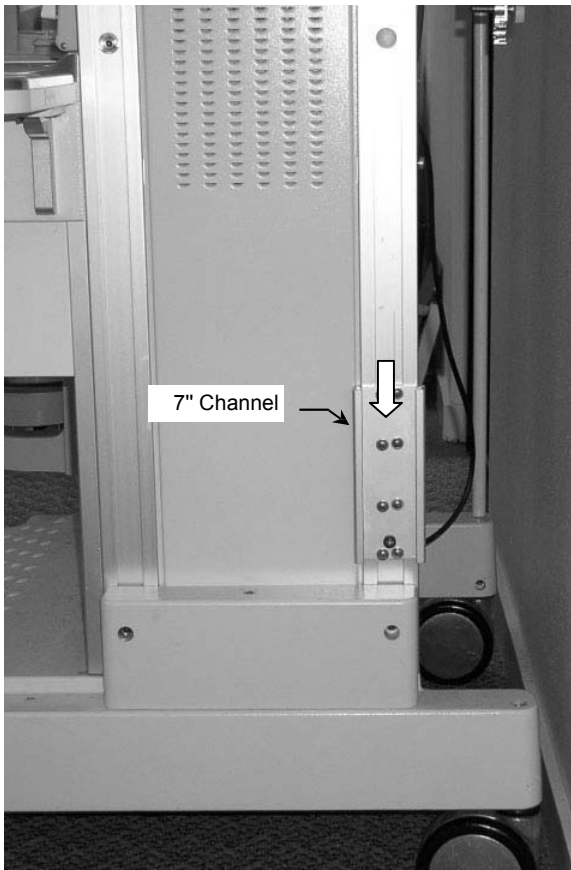
1. Identify the 4-hole Slide-mounting pattern on the Mounting Bracket (below left). Align the mounting holes on the Slide with the mounting pattern on the Bracket. Secure Slide to Bracket with four (4) #10-32 x 5/8" PHMS (below right).



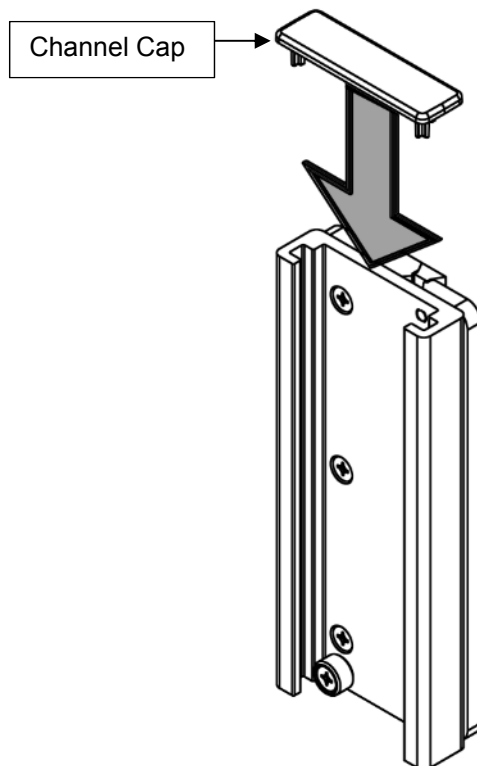
2. Turn Counterweight Cover upside down and slide the Weight Bar into Cover as shown below. Place the Mounting Bracket over the Weight Bar (Bracket fits inside Cover) and fasten Cover to Bracket with four (4) #10-32 x 1/4" FHMS.



3. Ensure Slide is at the upper end of the Counterweight assembly. Insert Slide in top of Channel and carefully lower the Counterweight until it rests against the fixed stop at the bottom of the Channel (below right).



4. Install Channel Cap

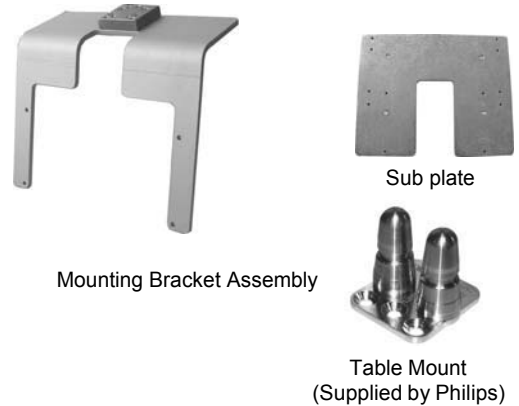


Attaching the Display Arm Mounting Bracket

Parts Reference

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

Item #	Description	Qty
1	Mounting Bracket Assembly	1
2	M6 x 12mm Flat Head Machine Screw (FHMS)	1
3	M6 x 8mm FHMS	2
4	M4 x 16mm Pan Head Machine Screw (PHMS) – 7900 Only	4
5	Subplate, Model 7100	1
6	M4 x 14mm FHMS	4
7	M4 x 12mm PHMS	4
8	M4 x 8mm PHMS	4

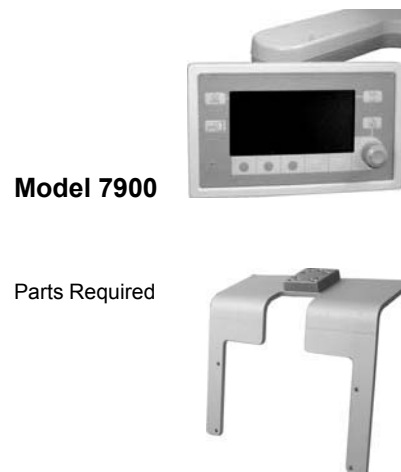
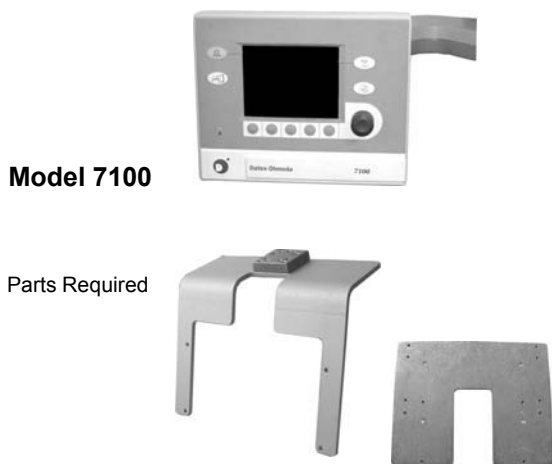


Tools Required for This Task: Phillips screwdriver.

Installation Notes

A. The tilt mechanism that holds the ventilator display may require tightening to hold the additional weight of the patient monitor. It is not recommended that this assembly be used for monitors weighing more than 30 pounds because tilt adjustment will be difficult with heavier weights. GCX makes no claims regarding the tip stability of the anesthesia machine because machine configuration and usage can vary considerably. We recommend that the hospital verify the stability of the final configuration.

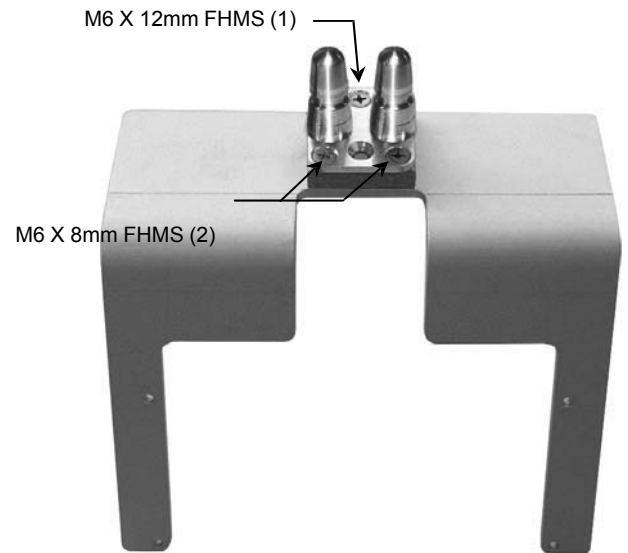
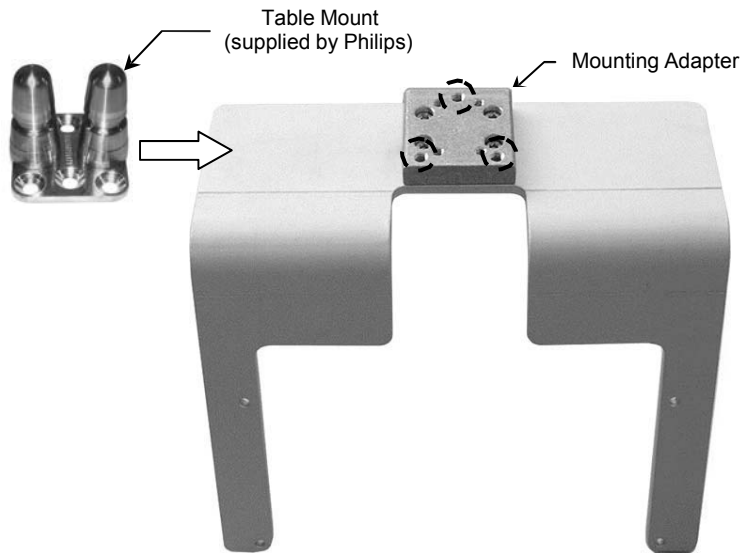
B. The procedure for attaching the Mounting Plate/Bracket Assembly to a model 7100 ventilator display differs from the procedure for the model 7900. Identify your ventilator display below and follow the appropriate procedure in this installation guide.



Attaching the Table Mount to the Mounting Adapter

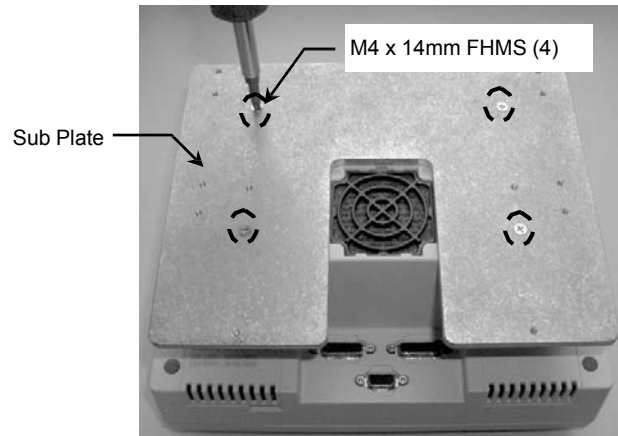
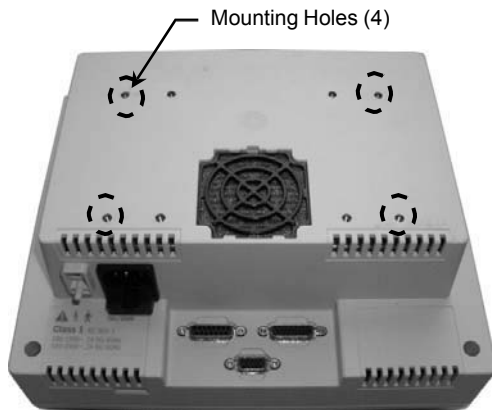
Installation Note: Table Mount is supplied by Philips with the Monitor.

1. Fasten Table Mount to Mounting Adapter on Mounting Bracket with one (1) M6 x 12mm FHMS and two (2) M6 x 8mm FHMS (see below).

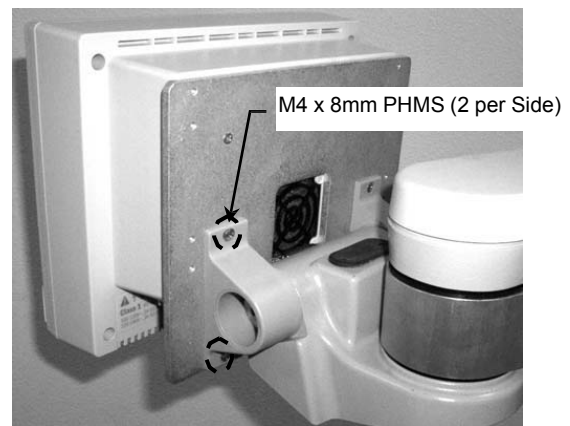
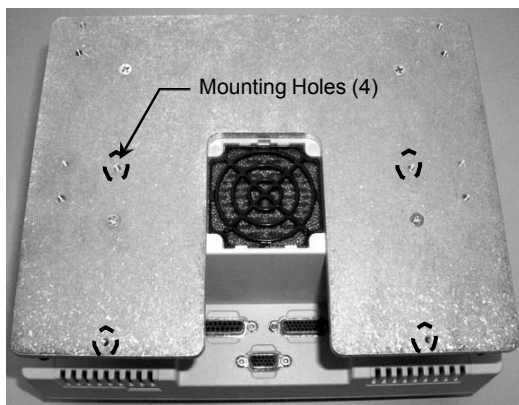


Attaching Mounting Bracket to Model 7100 Ventilator Display

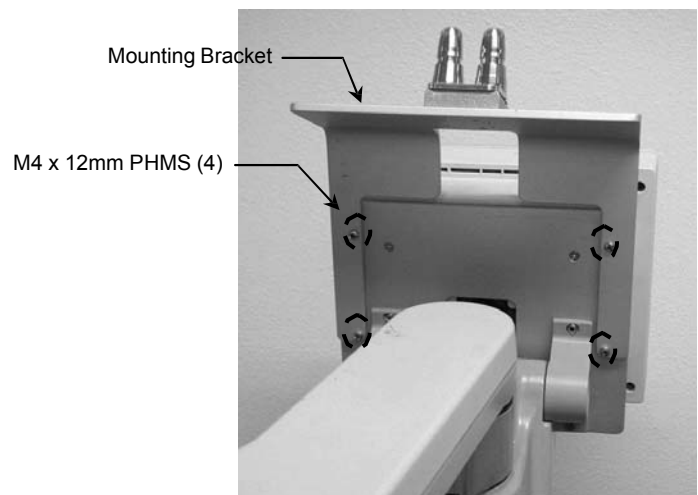
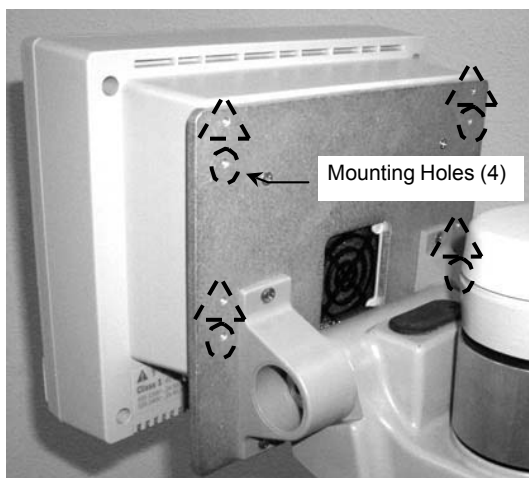
1. Remove model 7100 display from display arm by unscrewing four (4) mounting screws from the rear of the display.
2. Using four (4) M4 x 14mm FHMS, attach the Sub plate to four (4) threaded holes on the rear of the display.



3. Locate four (4) threaded mounting holes on the Sub plate (below left). Fasten the Sub plate to the display arm with four (4) M4 x 8mm PHMS.



4. Locate four (4) mounting holes on the Sub plate (below left). Fasten Mounting Bracket to Sub plate with four (4) M4 x 12mm PHMS. **Installation Note:** An additional set of mounting holes is provided if additional height is required for the monitor (indicated by triangle in photo below left).



Attaching Mounting Bracket to Model 7900 Ventilator Display

1. Using four (4) M4 x 16mm PHMS, attach the Mounting Plate/Bracket to the two (2) outer mounting holes on each side of the rear housing.



Mounting Monitor on Table Mount

Mount monitor in accordance with Philips Table Mount instructions.

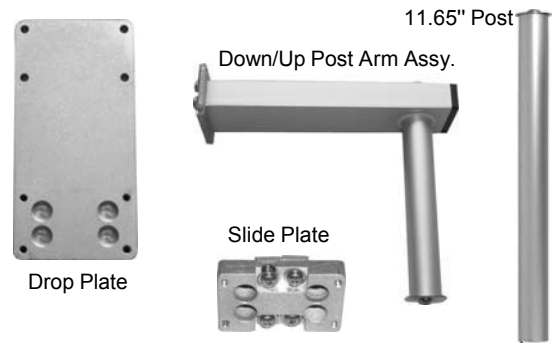


Attaching the Boom Arm Down Post or Side Post Assembly

Parts Reference

The following parts and hardware will be used in this installation (see photo for parts, hardware not shown):

Item #	Description	Qty
1	Down/Up Post Arm Assembly	1
2	#10-32 x 5/8" Pan Head Machine Screw (PHMS)	4
3	Slide Plate	1
4	Drop Plate	1
5	#10-32 x 3/4" PHMS	4
6	11.65" Post	1
7	5/32" Hex Key	1

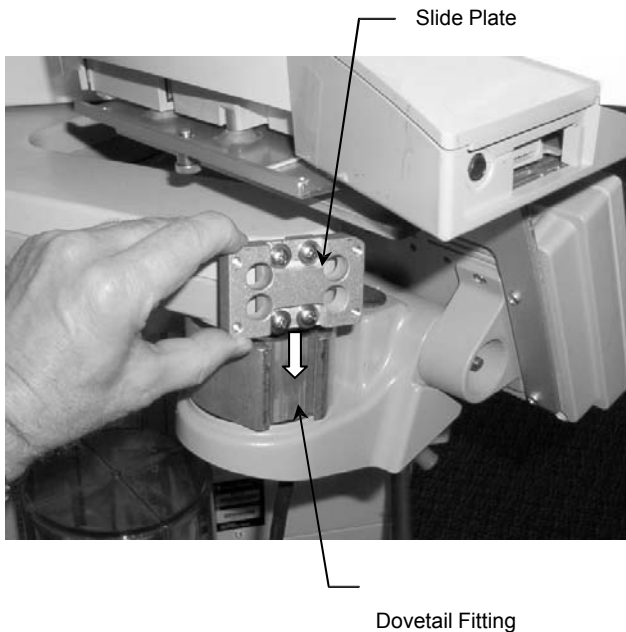


Tools Required for This Task: Phillips screwdriver, 5/32" hex key (provided for post replacement only).

Installation Note: An 11.65" Post is included in this kit for mounting dual module racks. Use the 5/32" hex key (provided) to replace the 6.9" Post with the 11.65" Post.

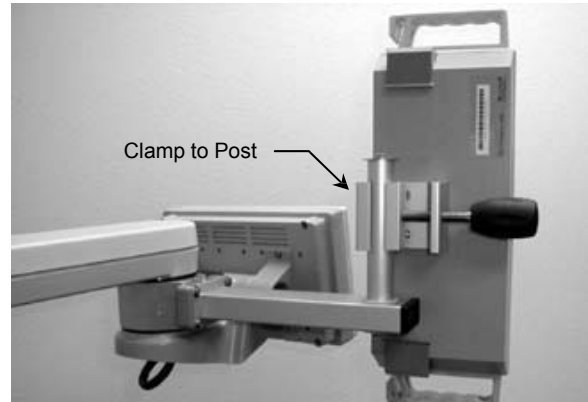
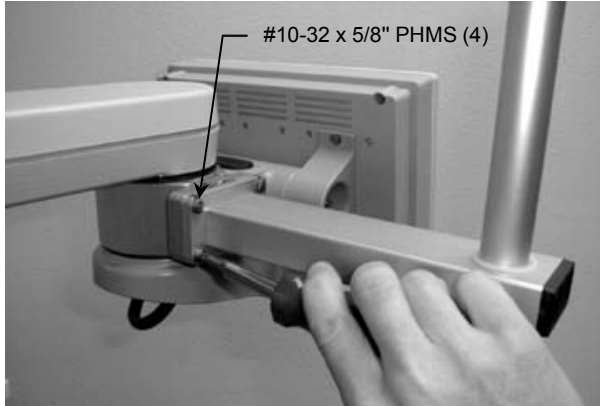
Attaching Slide Plate to Boom Arm

1. Insert the Dovetail Runners (rear of Slide Plate) into the dovetail fitting on the Boom Arm (below left). Tighten the four (4) PHMS to secure the Slide Plate (below right).



Attaching Arm as Up Post

1. Align Arm with Slide Plate (Post Up) and attach Arm to Plate with four (4) #10-32 x 5/8" PHMS (below left).
2. Clamp module rack (or other device with clamp) to the Post as shown (below right).

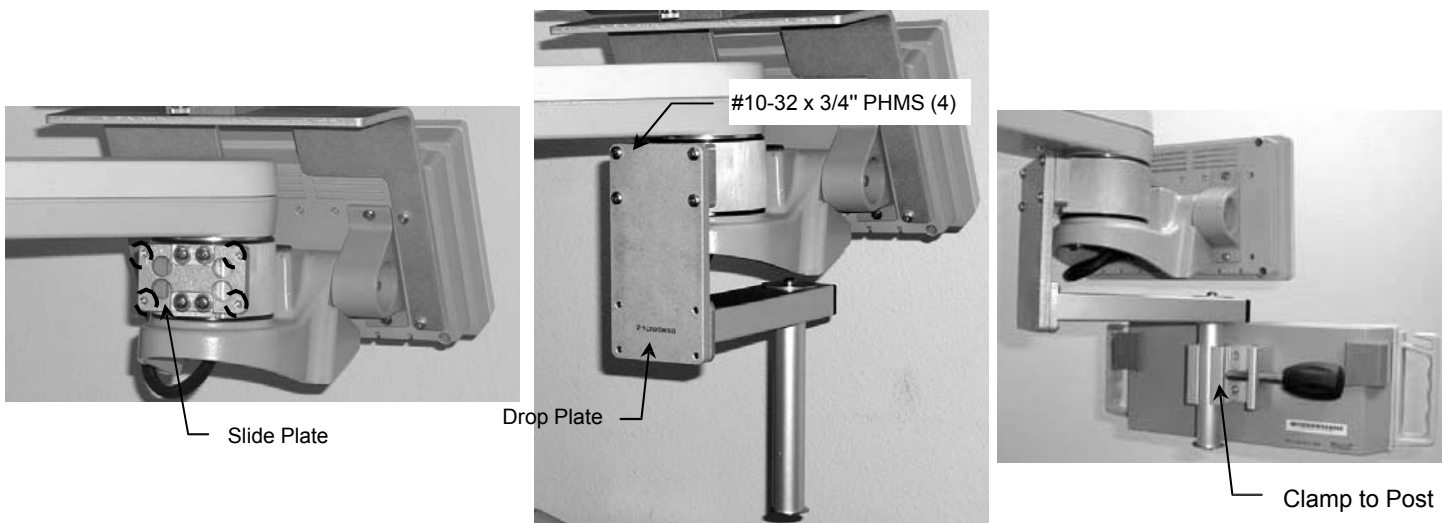


Attaching Arm as Down Post

1. Align Arm with Drop Plate by fitting screw heads (Arm) into counter bores on Drop Plate. Secure Arm to Drop Plate with four (4) #10-32 x 5/8" PHMS (below left).



2. Attach Drop Plate to Slide Plate using four (4) #10-32 x 3/4" PHMS (below center and right). Clamp module rack (or other device with clamp) to the Post.



Routine Maintenance

Periodically inspect all fasteners associated with the mounting assembly. Tighten or Adjust as necessary for optimal operation and safety.

Cleaning the Mounting Assembly

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).

The surface finish will be permanently damaged by strong chemicals and solvents such as acetone or trichloroethylene.

Steel wool or other abrasive material should never be used.

Damaged 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 mounting assembly that is not visible to verify compatibility.

Never submerge or allow liquids to enter the mounting assembly. Wipe any cleaning agents off the mounting assembly immediately using a water-dampened cloth. Dry the 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.