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

INSTRUMENT MOUNTING SYSTEMS

Installation Guide

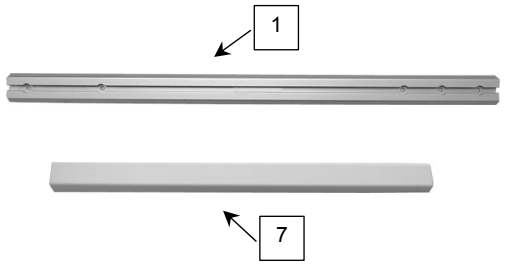
Surface Mount Kit for Variable Height Channel

The purpose of this guide is to describe installation of the mounting assembly.

Parts Reference

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

Item #	Description	Qty
1	Spanner Rail, 26"	3
2	1/4-20 x 1/2" Button Head Socket Cap Screw (BHSCS)	5
3	1/4-20 Hex Nut, Serrated Flange	6
4	1/4-20 x 3" Pan Head Machine Screw (PHMS)	6
5	1/4-20 x 2" Toggle Wing	6
6	#10 x 2" Pan Head Sheet Metal Screw (PHSMS)	6
7	Spanner Rail Cover	6
8	5/32" Hex Wrench	1



Tools Required

- Drill (not provided).
- 9/64" and 3/4" drill bits (not provided). 1/2" and 1/4" drill bits may be required for non-standard stud center applications (see page 3).
- Level (not provided).
- Phillips screwdriver (not provided).
- Hacksaw (not provided).
- 5/32" hex wrench (provided).

Installation Notes – Read Before Installing Mount:

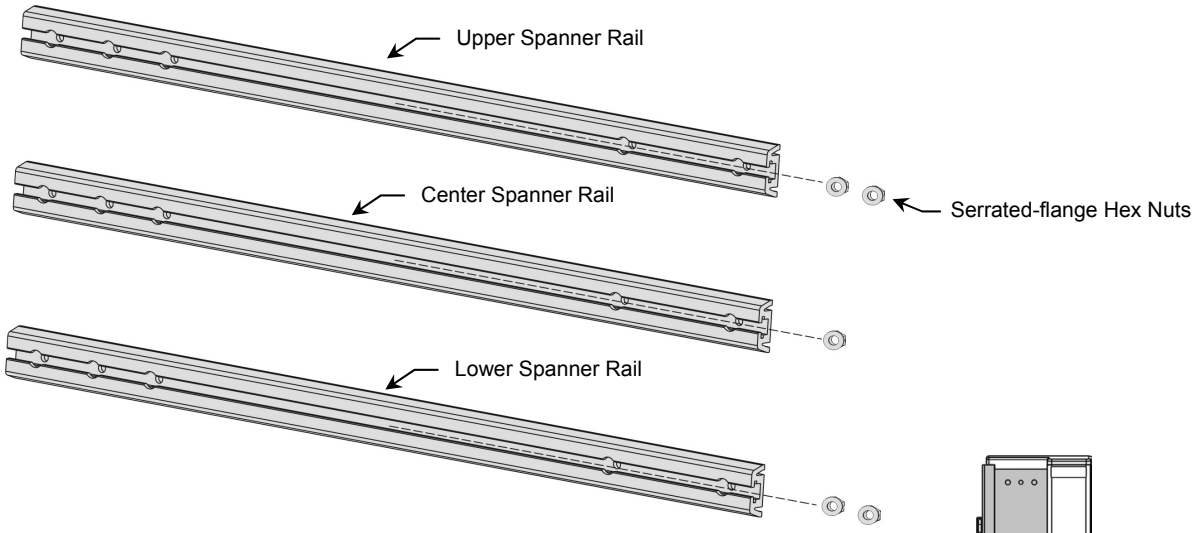
1. It shall be the responsibility of the hospital, its consultants and/or contractors to determine that the wall is adequate for safely mounting instrumentation. This includes selection of appropriate fasteners and proper installation of the same.
2. Instructions and illustrations covering specific instrument-mounting application must be reviewed prior to installation of the wall mount.
3. Access to instrument controls should be considered before mounting the Surface Mount. Allow clearance for objects such as over-bed lighting, privacy curtains, adjacent walls or columns, door swing arcs, etc. Power and signal outlets should also be considered when selecting a mounting location. Avoid oxygen, vacuum and air outlets and space for attendant flow meters and regulators. Do not place any portion of the mounted instrument over a patient bed.
4. The maximum load rating for this mount is 40 lbs. [18 Kg].

DISCLAIMER: Although considerable effort has been made to ensure the safety of this installation and/or guidelines, the installation itself is beyond the control of GCX Corporation. Accordingly, GCX Corporation will not be responsible for the failure of any such installation.

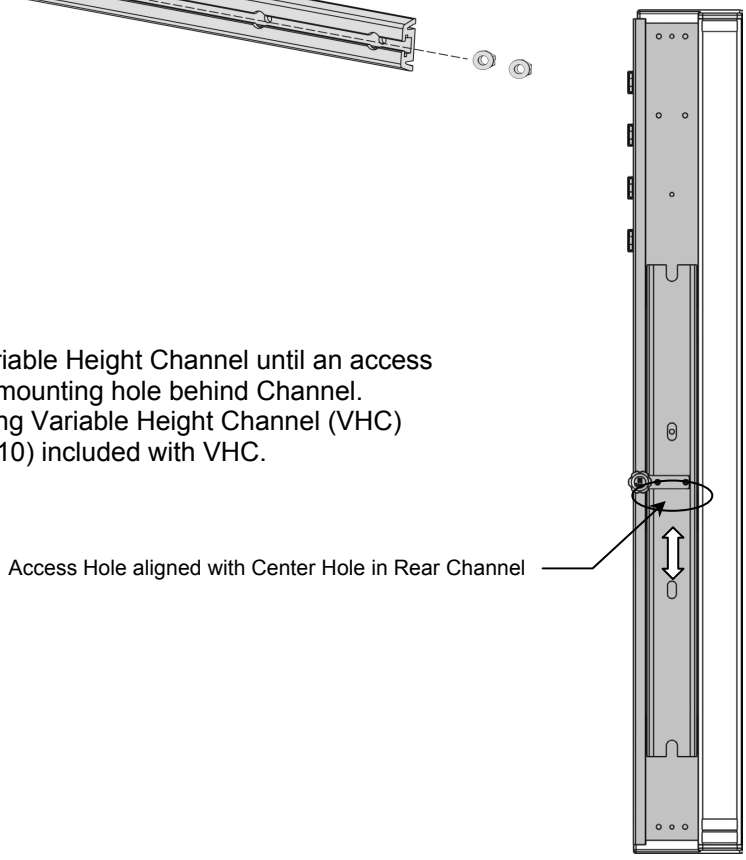
Assemble the Mounting System

Installation Note: Assembly of the Mounting System is more easily accomplished if components are laid on the floor or other flat surface.

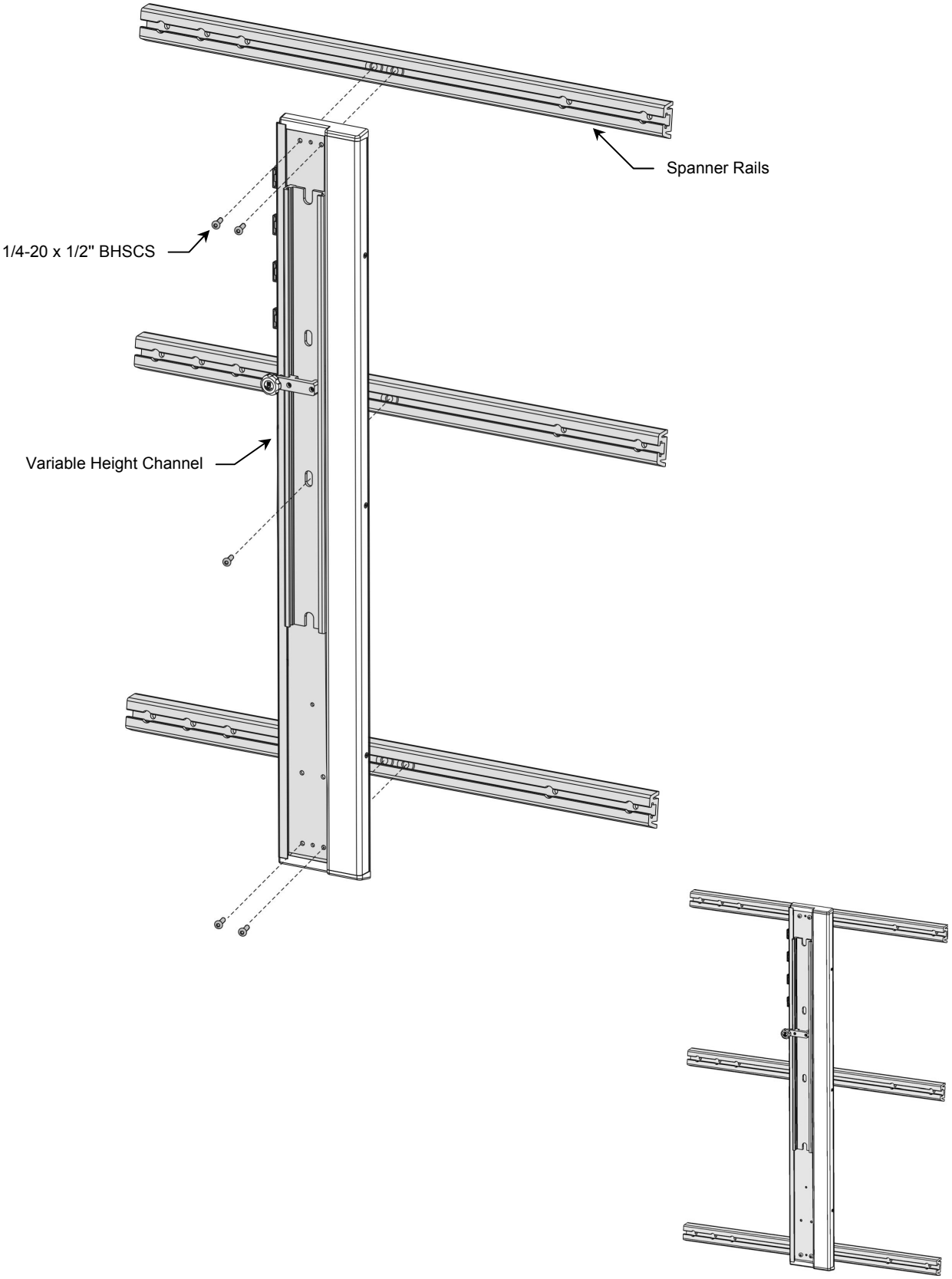
1. Slide serrrated-flange hex nuts inside Spanner Rails as shown in illustration below. These nuts will be used for attachment of Variable Height Channel to Spanner Rails. **Installation Note:** Serrated side of nut must face outward toward front of Spanner Rail.



2. Loosen Channel Lock Knob and move Variable Height Channel until an access hole in the Channel is aligned with center mounting hole behind Channel. **Installation Note:** For information regarding Variable Height Channel (VHC) refer to installation guide (DU-FWM-0001-10) included with VHC.



3. Using the 5/32" hex wrench provided, loosely fasten Channel to hex nuts in each Spanner Rail with 1/4-20 x 1/2" button head socket cap screws (BHSCS) as shown in illustration below. The Channel-to-Spanner Rail assembly must remain loose to allow for leveling of Spanner Rails and Channel during attachment to wall (page 4).



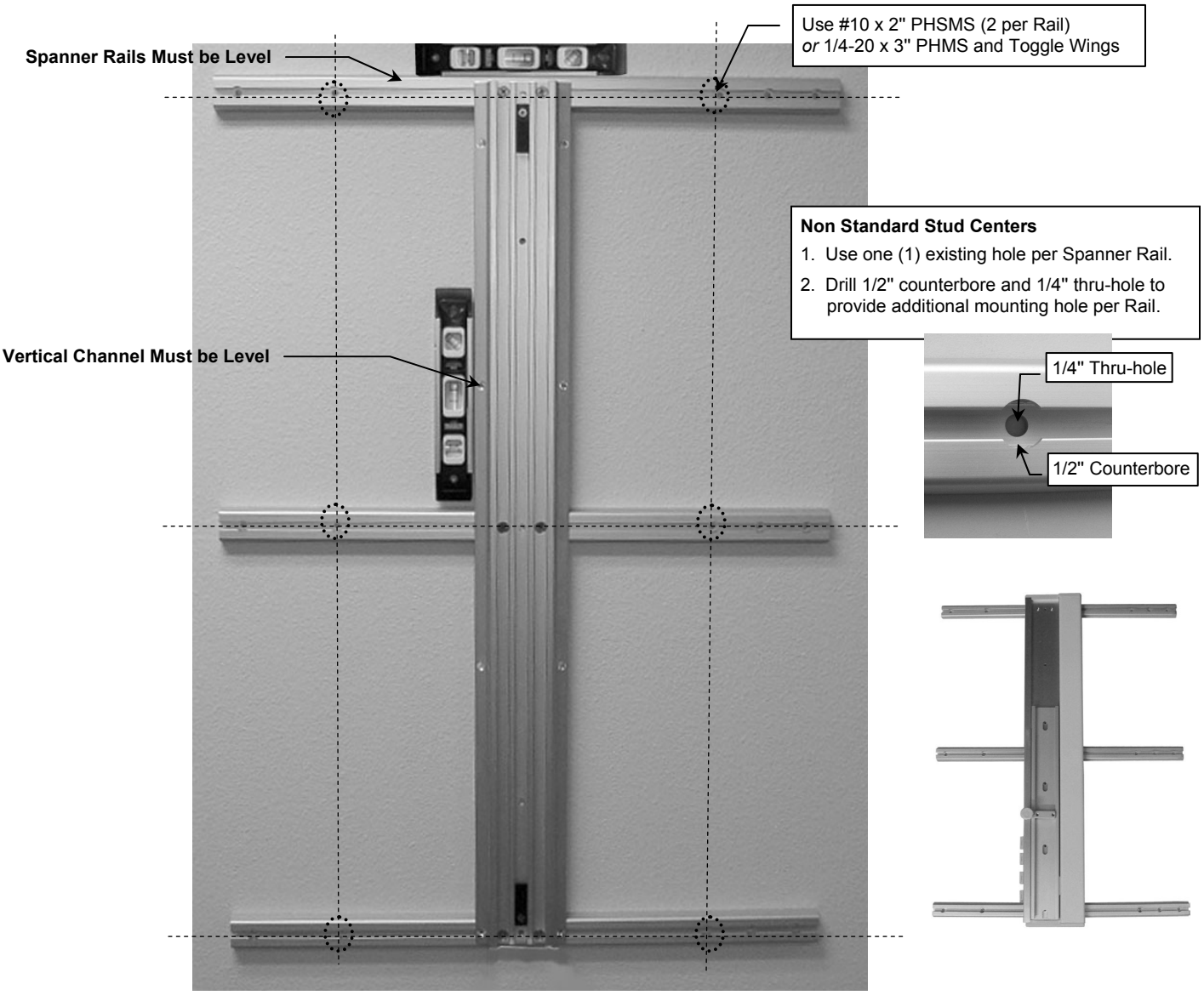
Attaching Spanner Rails to Wood or Sheet Metal Studs

CAUTION: The Spanner Rails must be anchored into studs. This Mount has been tested using sheet metal screws mounted in 24 ga. metal studs. If mounting in metal studs lighter than 24 ga., toggle wings (provided) must be used.

Installation Notes: 1) The Spanner Rails provide mounting holes for attachment to 16", 18", and 24" stud centers. **2)** This installation procedure shows a typical attachment to 16" stud centers. Procedure shown below applies to Variable Height Channel or fixed channel (fixed channel shown). **3)** For non-standard stud centers it will be necessary to drill a 1/2" counterbore and 1/4" thru-hole (existing hole dimensions) to mount the Spanner Rails (see photo below).

1. Locate and mark centerlines of studs and locations of mounting holes for Spanner Rails. Ensure all mounting holes are marked along level and plumb lines.
2. Using a 9/64" bit, drill holes into studs (drill through front surface of metal studs).
   Toggle Wings: Drill holes through front surface of metal stud with 3/4" bit.
3. **Ensure Spanner Rails are level** and fasten Rails to studs with two (2) #10 x 2" PHSMS per Rail.
   Toggle Wings: Insert 1/4-20 x 3" PHMS through holes in Rails and thread toggle wings onto screws. Push toggle wings through holes in studs. Tighten screws.
4. **Ensure Channel is level** and tighten five (5) Channel-to-Rail assembly screws (assembly on page 3).

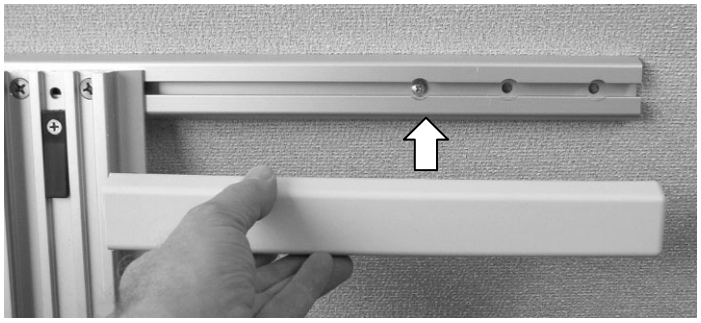
• Mounting on 16" stud centers shown in photo below.
• Spanner Rail attachment below applies to Variable Height Channel *or* fixed channel (fixed channel shown).



Attaching Spanner Rail Covers

Plastic Rail Covers are provided for covering exposed sections of the Spanner Rail. Use a hacksaw to cut sections of Rail Covers.

1. Measure exposed section of Spanner Rail. Using a hacksaw, cut length of Rail Cover to fit exposed section of Rail.
2. Press Cover onto Rail until it snaps into place.



Routine Maintenance of the Mounting Assembly

Periodically check all mounting hardware. Tighten as necessary for optimal operation and safety.

Cleaning the Mounting Assembly

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 instruments or accessory equipment, refer to the specific instructions delivered with those products.

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 and trichloroethylene.
3. Do not use steel wool or other abrasive material to clean the mounting assembly.
4. Damage caused by the use of unapproved substances or processes will not be covered by warranty. We recommend testing of any cleaning solution on a small area of the mounting assembly that is not visible to verify compatibility.
5. Never submerge or allow liquids to enter the mounting assembly. Wipe any cleaning agents off of the mounting assembly immediately using a water-dampened cloth. Dry mounting assembly thoroughly after cleaning.