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Assembly Instructions for VMPL50 Flat Panel Wall Mount

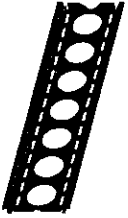














Thank you for choosing Sanus Systems Vision Mount Furniture. This product is designed to mount 30" to 50" Flat panel televisions weighing up to 130 lb. to a vertical wall. It allows you to tilt your new television up to 12° without the use of tools.

Safety Warning: If you do not understand these directions, or have any doubts about the safety of the installation, please call a qualified contractor or contact Sanus at 800.359.5520 or www.sanus.com. We can quickly assist you with installation questions and missing or damaged parts. Replacement parts for Sanus products purchased through authorized dealers will be shipped directly to you. Check carefully to make sure there are no missing or defective parts. Never use defective parts. Improper installation may cause damage or serious injury. Do not use this product for any purpose that is not explicitly specified by Sanus Systems. Sanus Systems can not be liable for damage or injury caused by incorrect mounting, incorrect assembly, or incorrect use.

Note: The supplied hardware is not for steel stud walls or old cinder block walls. If you are uncertain about the nature of your wall, consult an installation contractor. Sanus makes every effort to assure all necessary television mounting hardware is included. If the hardware you need is not included please consult your local hardware store or call Sanus Systems.

Required Tools: 3/16 drill bit, 1/2" Masonry Bit for brick concrete or concrete block installations, wrench or socket set, Phillips screw driver.

Supplied Parts:

- | | | | | | | | |
|---|--|---|-------------------------|---|--|---|-----------------------------|
|  | (1) Wall Plate - a |  | (1) Left TV Rail - b |  | (1) Right TV Rail - c |  | (6) Lag Bolt Washer - d |
|  | (6) Lag Bolt - e |  | (6) Concrete Anchor - f |  | (2) 1/4-20 Safety Bolt - g |  | (1) Allen Key - h |
|  | (8) M4 Machine Screw - i
(4 short and 4 long) |  | (4) M4 Lock Washer - j |  | (12) M4 / M5 Washer - k |  | (4) 1/2" Plastic spacer - l |
|  | (8) M8 Machine Screw - m
(4 short and 4 long) |  | (4) M8 Lock Washer - n |  | (8) M5 Machine Screw - o
(4 short and 4 long) |  | (4) M5 Lock Washer - p |
|  | (8) M6 Machine Screw - q
(4 short and 4 long) |  | (4) M6 Lock Washer - r |  | (4) 3/4" Plastic spacer - s | | |

Mounting the Wall Plate: Wood Stud, Brick, Solid Concrete, and Concrete Block mounting options are provided.

1a] Wood Stud mounting: The Wall Plate (a) must be mounted to two wood studs at least 12" apart. Use a high quality stud sensor to locate two adjacent studs. It is a good idea to verify where the studs are located with an awl or thin nail shown in Diagram 1-A. Pre-drill a 2.5" deep hole at the desired height in each stud using a 3/16" drill bit. Make sure these holes are in the center area of the studs and level with each other. Use the Wall Plate as a template to mark the location of the second hole in each stud. Drill 2.5" deep holes using the 3/16" drill bit in the marked location. Attach the Wall Plate to the wall using the four Lag Bolts (e) and four Lag Bolt Washers (d). Make sure the Wall Plate is oriented so the flat surface in the center of the plate is against the wall and that a set of Lag Bolts is on each side of the center of the Wall Plate as shown in Diagram 1-B.

WARNING: Tighten Lag Bolts (e) only until Lag Bolt Washer (d) is pulled firmly against the Wall Plate (a). DO NOT OVERTIGHTEN THE LAG BOLTS!

Diagram 1-A

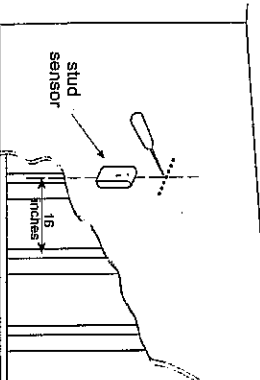
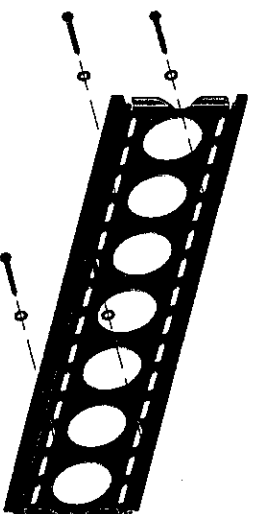


Diagram 1-B

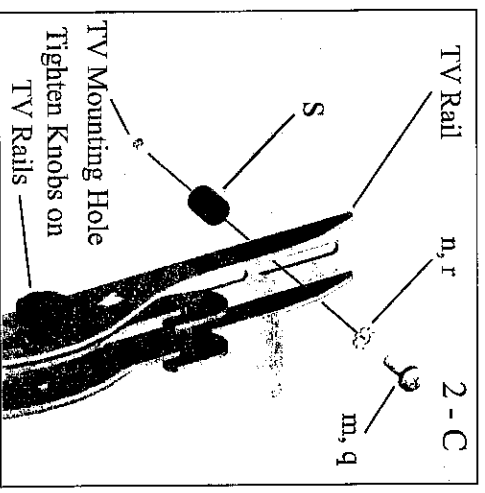
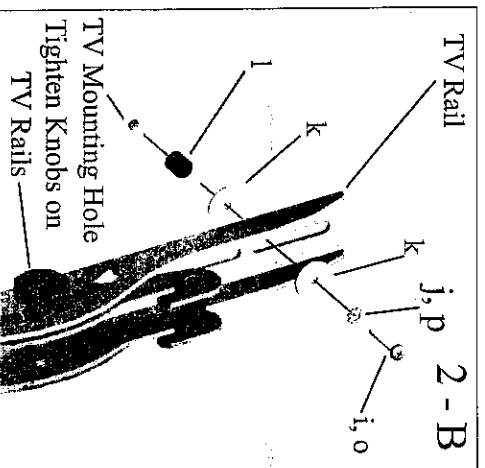
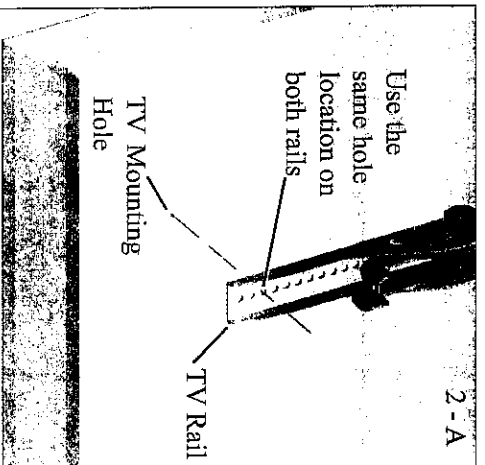


1b] Brick, Solid Concrete and Concrete Block mounting: Use the Wall Plate (a) as a template to mark 6 hole locations on the wall. Always locate Concrete Anchors in the brick, block, or concrete. Never drill into the mortar between blocks. The outer holes should be as far to the outside of the Wall Plate as possible. Three in the top row of slots and three more in the bottom row. Make sure these holes are level and there is at least 6" between any two holes. This means that these holes can not be directly above or below each other! Pre-Drill these holes with a 1/2" masonry bit to at least 2.5" in depth. Insert a Concrete Anchor (f) into each of these holes. Make sure the anchor is seated completely flush with the concrete surface even if there is a layer of drywall or other material in front. Attach the Wall Plate to the wall using 6 Lag Bolts (e) and 6 Lag Bolt Washers (d).

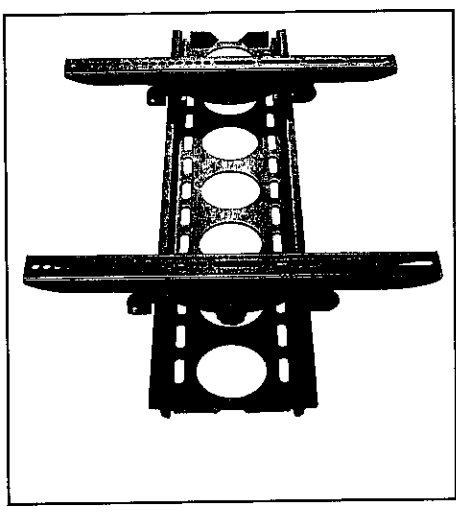
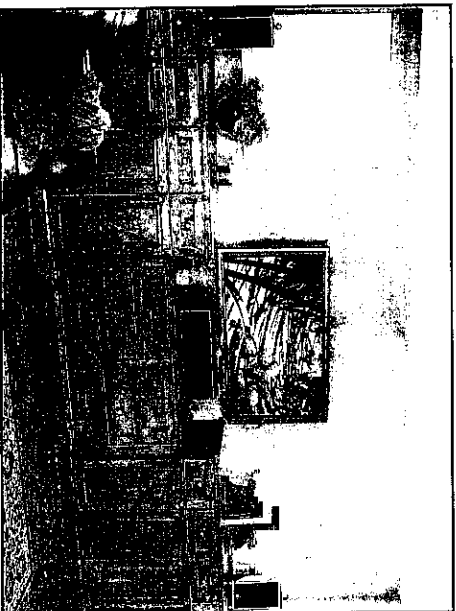
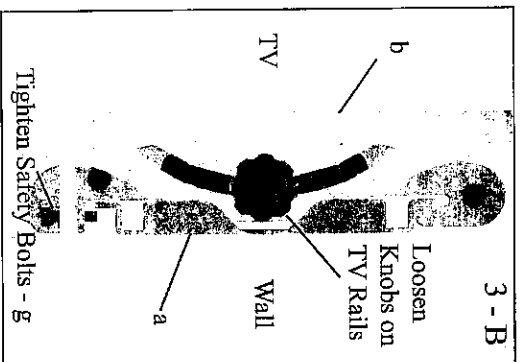
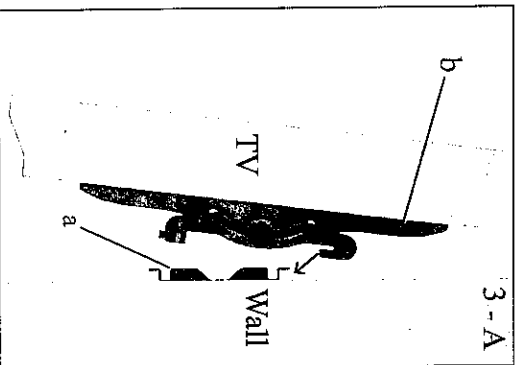
WARNING: Tighten Lag Bolts (e) only until Lag Bolt Washer (d) is pulled firmly against the Wall Plate (a). DO NOT OVERTIGHTEN THE LAG BOLTS!

2] **Mount the TV Rails to the back of your flat panel TV:** Make sure the TV Rails (b) and (c) are mounted at an equal distance from the top of the TV and as close to centered as possible as shown in diagram 2-A. The side of the TV Rails with the 2 hooks is the top, and the knobs should face the outside of the television. M4, M5, M6 and M8 bolts are provided. Other sizes are available at your local hardware store. The M4 / M5 Washer (k) should always be used with the M4 and M8 bolts (i and o) so the head of the bolts can not pass through the holes in the TV Rails. A 1/2" Plastic Spacer (l) is provided for use with M4 and M5 TV mount bolts and a 3/4" Plastic Spacer (s) is provided for use with M6 and M8 TV mount bolts on TV's with curved or recessed back panels as shown in diagrams 2-B and 2-C. If you are mounting to a television with a flat back you may not need the Plastic spacer. **Make sure these bolts are tight!** Some televisions have shallow threaded inserts, we have provided 4 extra M4 / M5 washers that may be added if the provided bolts are too long. Tighten the knobs on both TV Rails lightly so that the mechanism does not move during installation.

WARNING: DO NOT LAY THE TELEVISION FACE DOWN ON THE GLASS, lean it up against a wall or other solid surface. Laying the television down on the glass may cause permanent damage.



3] **Hang the TV onto the Wall Plate:** First hook the TV Rails (b) and (c) over the top of the wall plate (a), then let the bottom of the TV Rails rotate in under the bottom of the Wall Plate as shown in diagram 3-A. Insert the Safety Bolts (g) into the threaded holes in the bottom of the TV Rails and tighten them with the Allen Key (h) so that they sit behind the bottom tab on the Wall Plate as shown in diagram 3-B. Finally loosen the knobs and you are free to adjust your new flat panel TV.



Left: Closeup photo of Safety Bolt. Middle: VMPL50 plasma installation Far Right: Front view of a VMPL50b assembled