Installation Instructions and
Maintenance Manual

Side to Side Monitor (SSM) Arm

*A*mico

Preface

IMPORTANT, PLEASE READ CAREFULLY

Thank you for your purchase with Amico Accessories Inc.

This unit is designed for long lasting performance, providing the end user complies with assembly and maintenance procedures. This Instruction Manual is your guide to ensure that you get the best performance out of the equipment. Amico Accessories is not responsible for any damage as a result of (but not limited to) abuse and other problems that may be a direct or indirect result of failure to comply with the instructions provided in this manual.

Please note these key words and symbols:

WARNING   Steps where extra care should be taken to prevent injuries and damage.

NOTE   Steps that point out helpful information.

Medical Facility Responsibilities

Preventive maintenance checks must be performed regularly to maintain the quality and performance of this product. Any parts that may be broken, missing, worn, distorted, or contaminated in any way should not be used and all affected parts should be replaced immediately. Should the necessity of any repair be suspected; please contact your local distributor or call 1-877-264-2697.

Table of Contents

Section 1: Installation Preparation

Installation Tools Requirements

The following table lists all the tools and parts required for installation

Item	Item number	Quantity
Phillips screw driver #2	A1	1
Hex keys (1/8" [0.3 cm], 3/16" [0.5 cm], M3, M4)	A2	1 each
Socket wrenches (12 mm [1.2 cm],1/2" [0.05 cm])	A3	1 each
Adjustable wrench	A4	1
SSM arm	B1	1
Mounting adapter/plate (many options) and Monitor dependant hardware set	B2	1
Mounting shelf (0-9, W)	B3	1
Extension arm (optional)	B4	1

ⓘ **NOTE:** Amico does not provide any display hardware, nor the tools necessary for assembly (All above in grey text).

ⓘ **NOTE:** Tools and the monitor-dependant hardware set are not provided by Amico Accessories Inc.

	A	B
1		
2		
3		and more
4		

Section 1: Installation Preparation

Pre-Installation Information (Please read carefully before starting)

⚠️ **WARNING:** VERIFY THAT RAILS HAVE BEEN INSTALLED IN ACCORDANCE WITH AMICO RAIL INSTALLATION INSTRUCTIONS. RAIL FAILURE WITH DEVICES MOUNTED CAN CAUSE SERIOUS INJURY AND EQUIPMENT DAMAGE.

⚠️ **WARNING:** IT IS DANGEROUS TO USE THE ARM FOR WEIGHTS OUTSIDE OF THE RATED RANGE. STRUCTURAL FAILURE AND/OR SERIOUS INJURY COULD RESULT.

⚠️ **WARNING:** DO NOT POSITION THE SSM MONITOR ARM ABOVE A PATIENT.

⚠️ **WARNING:** IT SHALL BE THE RESPONSIBILITY OF THE HOSPITAL, ITS CONSULTANTS AND/OR CONTRACTORS TO DETERMINE IF THE WALL IS ADEQUATE TO SAFELY MOUNT THE SPECIFIC INSTRUMENT. THIS INCLUDES THE SELECTION OF APPROPRIATE FASTENERS AND THE PROPER INSTALLATION OF EQUIPMENT, REGARDLESS OF WHAT IS SUPPLIED WITH YOUR SSM MONITOR ARM. SEE RAIL INSTRUCTIONS FOR SPECIFIC WALL CHANNEL GUIDELINE INFORMATION.

⚠️ **WARNING:** VERIFY THE WEIGHT OF THE DEVICE TO BE MOUNTED. SINGLE ARM SSM MONITOR ARMS ARE RATED FOR 30 LBS (13.6 KG), DUAL ARM SSM MONITOR ARMS ARE RATED FOR 15 LBS (6.8 KG). PLEASE REFER TO WEIGHT RATING LABEL, LOCATED EITHER ON THE TOP OR BOTTOM OF THE ARM ASSEMBLY, DEPENDING ON THE MODEL. CHECK THAT THE DEVICE TO BE MOUNTED DOES NOT EXCEED THE WEIGHT RATING. SERIOUS INJURY AND DAMAGE TO THE ARM CAN OCCUR AS A RESULT OF OVERLOADING THE ARM ASSEMBLY.

For installation on non-Amico rails, ensure the rail is safe for the application.

If you are unsure about any part of the installation process or product use, please contact an Amico Accessories product Specialist: 1-877-264-2697

Considerable efforts have been made to ensure the safety of your hospital staff and your patients. The installation itself is beyond the control of Amico Accessories. Accordingly, Amico Accessories will not be responsible for failure related to the installation of the product.

HAVE A PRODUCT QUESTION? GIVE US A CALL AT: 1-877-264-2697

Section 1: Installation Preparation

Typical Installation Reference for SSM

The diagram below illustrates the components referenced in relation to one another in the installation of the SSM Monitor Arm. Please follow the instructions outlined herein to ensure proper installation.

SSM MONITOR ARM

1. **Monitor Mounting Adapter**
   VESA LCD mount shown, other options available

2. **Monitor Head - Rotation**
   Monitor rotation adjustment

3. **SSM Joint**
   Rotates the monitor head to the desired position

4. **MRS Adapter**
   Adapter for the MRS rail

5. **Cable Management**
   Manages the cables of the monitor for better organization
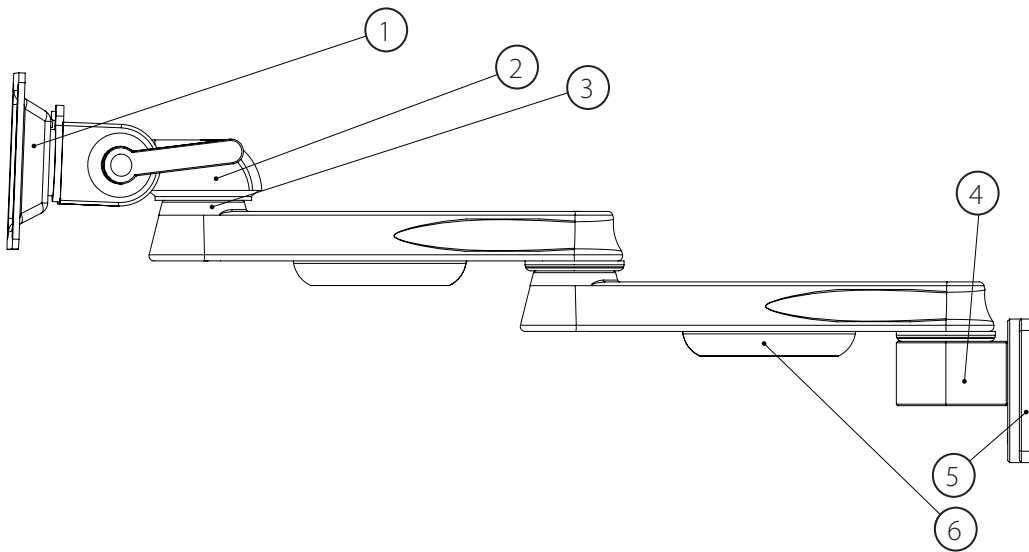
Section 2: Installation on Rail Systems

⚠️ **WARNING:** DO NOT ATTEMPT TO MOUNT/REMOVE THE ARM FROM THE RAIL WHEN LOADED WITH ANY INSTRUMENT

Mounting to the MRS (Monitor Rail System)

⚠️ **WARNING:** SUPPORT SSM ARM UNTIL THE SET SCREWS ARE TIGHTENED, SSM ARM CAN SLIDE DOWN WHEN SET SCREWS ARE NOT TIGHTENED.

ℹ️ **NOTE:** Top and bottom stoppers prevent the adapter from sliding out of the MRS. To remove, the adapter must be removed from the top with the top stopper pressed into the rail **(Figure 2).**

ℹ️ **NOTE:** To slide the arm vertically in the channel, lift the arm near the monitor and push up or down at the adapter **(Figure 1).**

1. Support the bottom of the arm with one hand, guide the adapter into the top of the channel **(Figure 1).**

2. Once the arm is at the desired height, tighten the two set screws located at the bottom of the adapter using a 1/8" (3 mm) HEX key. DO NOT release the SSM Monitor Arm until the two set screws are tight. The SSM Monitor Arm may slide down the rail if the set screws are not tightened.

SSM Arm

Standard MON Channel Adapter

MRS Rail

1/8" (3 mm) set screws

Figure 1

Top Stopper

Bottom Stopper

MRS Rail: Length for representational use only
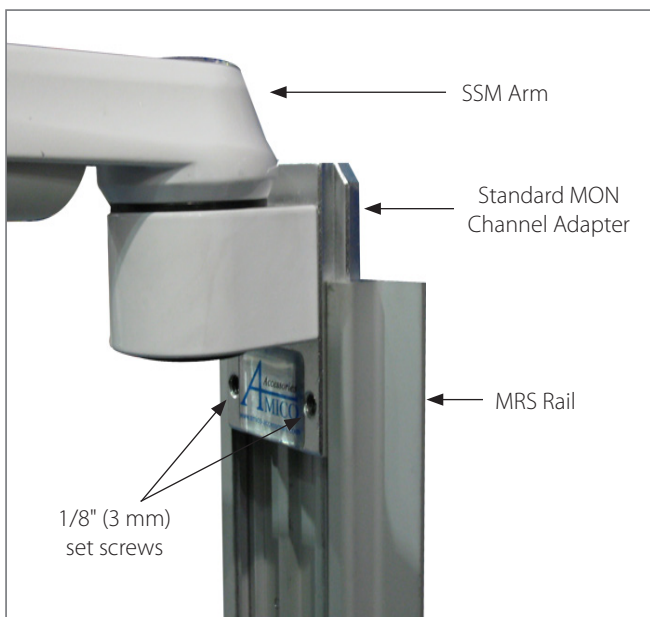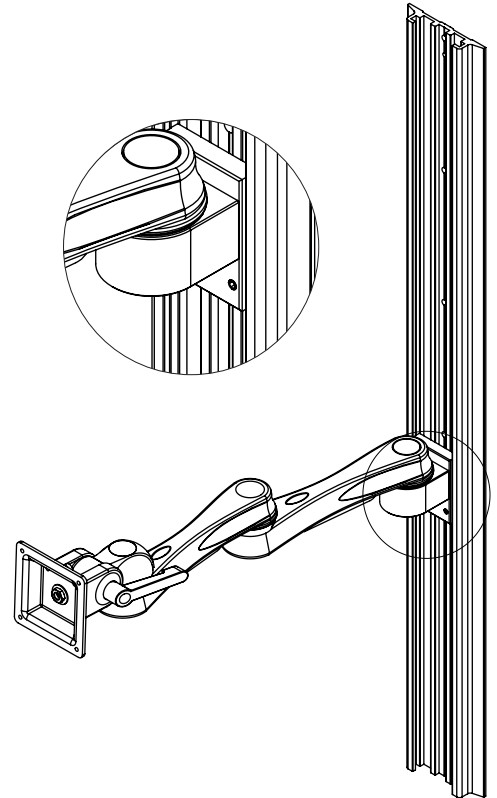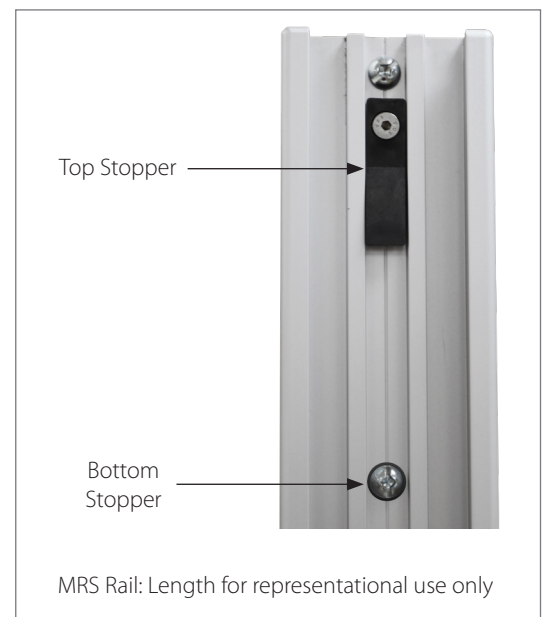
Figure 2

Section 2: Installation on Rail Systems

Mounting to Hill-Rom Vertical Rail (with the G-Track Adapter (GTA))

⚠️ **WARNING:** TO PREVENT THE ADAPTER FROM FALLING DOWN THE CHANNEL, ENSURE THAT THE SCREWS ARE FASTENED AS TIGHT AS POSSIBLE. AFTER INSTALLATION, ROTATE THE SSM ARM SIDE TO SIDE AND VERIFY NO MOVEMENT IS PRESENT BETWEEN THE ADAPTER AND THE RAIL.

⚠️ **WARNING:** REMOVAL OF LOCK NUTS WILL REQUIRE A NEW SET FOR REINSTALLATION. PLEASE CONTACT AMICO ACCESSORIES FOR SPARE PARTS, 1-877-264-2697.
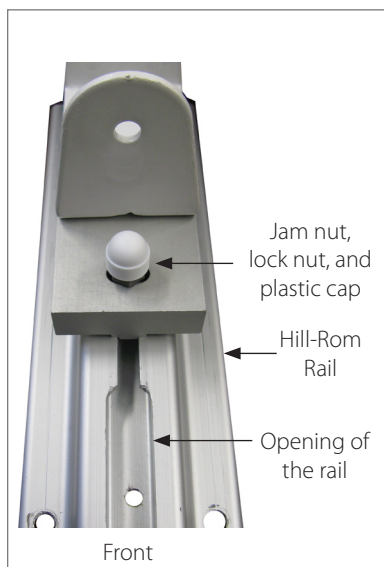
ℹ️ **NOTE:** Before installing, ensure two regular nuts and two lock nuts are loosened to the tip of the G-adapter screws. This will allow the head of the G-adapter screws to adjust into the profile of the Hill-Rom rail **(Figure 3)**.

1. Support the bottom of the SSM Arm and guide the head of the top screw into the opening of the rail **(Figure 1 and 2)**.

2. Ensure the flange on the GTA is properly aligned with the rail. Slide the GTA up so that the head of the bottom screw slides into the opening of the rail **(Figure 3)**.

3. Position the SSM Arm at the desired height. Tighten the two regular nuts and then the two lock nuts on the top and bottom of the adapter using a 12 mm socket wrench.

4. Cover the nuts with the two plastic caps provided **(Figure 4)**.

Jam nut, lock nut, and plastic cap

Hill-Rom Rail

Opening of the rail

Front

Figure 1

G-adapter Screw

Head of the top GTA pin

Flange

Head of the bottom GTA pin

Backside

Figure 2

12 mm nuts, lock nuts

Side of the G-Adapter

Figure 3

Plastic caps

Figure 4

Section 2: Installation on Rail Systems

Mounting to the VRS (Vertical Rail System) with the V-Adapter

⚠️ **WARNING:** TO PREVENT THE V-ADAPTER FROM FALLING DOWN THE CHANNEL, ENSURE THAT THE SCREWS ARE FASTENED AS TIGHT AS POSSIBLE. ROTATE SSM ARM SIDE TO SIDE AFTER INSTALLATION TO VERIFY NO MOVEMENT IS PRESENT BETWEEN THE ADAPTER AND THE RAIL.
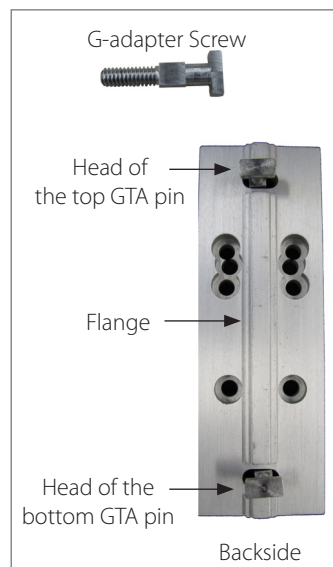
ⓘ **NOTE:** Before installation, ensure two nuts and two knobs are loose to the tip of the V-adapter screws. This will allow the head of the V-adapter screws to adjust into the profiles of the vertical rail.

1. Angle the SSM Arm from either side and guide the heads of the top and bottom screws into the channel of the rail **(Figure 1-3)**

2. Ensure the flange on the adapter is properly aligned with the rail.

3. Position the arm to the desired height and fasten two knobs and two nuts (12 mm) to the tightest possible position. Cover the nuts with the two plastic caps provided **(Figure 4)**.

Figure 1
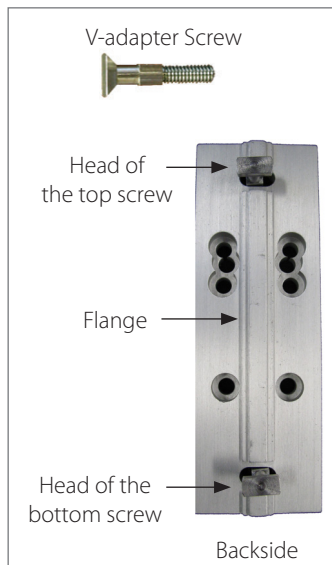
Figure 2
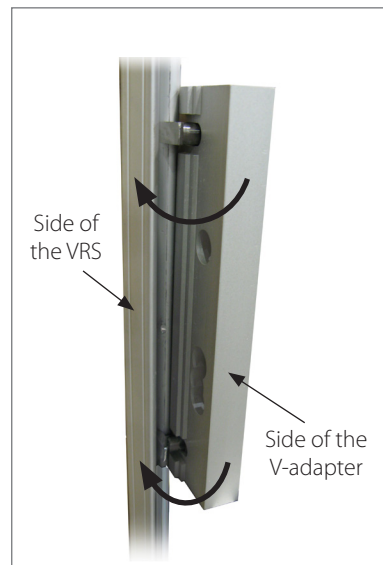
Figure 3
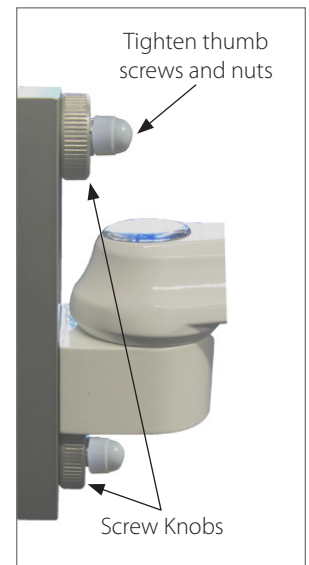
Figure 4

Section 2: Installation on Rail Systems

Mounting to the Ergotron and Rubbermaid Rail (15 lbs [6.8 kg] max. weight capacity)

⚠️ **WARNING:** TO PREVENT THE SSM ARM FROM FALLING DOWN THE CHANNEL, ENSURE THAT THE TWO NUTS ARE FASTENED AS TIGHT AS POSSIBLE.

ℹ️ **NOTE:** COW-adapter will work both with Ergotron and Rubbermaid rails. Set the slider horizontally to insert the adapter to the Rubbermaid rail, and set the slider vertically to insert the adapter to the Ergotron rail (**Figure 1**: Rubbermaid) (**Figure 2**: Ergotron).

ℹ️ **NOTE:** Before installing, ensure two nuts are loosened to the tip of the screws. This will allow the sliders to adjust into the profile of the rail.

1. Remove the cap from the top of the rail.
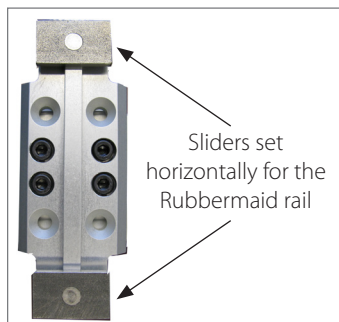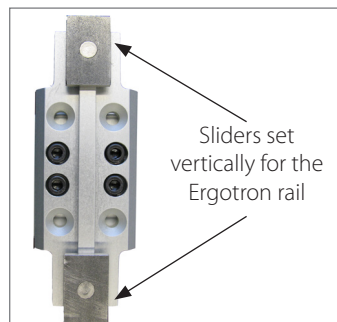
2. Ensure the sliders are vertical for the Ergotron or horizontal for the Rubbermaid rail.

3. Align the sliders with the slot on the rail and slide the adapter into the slot from the top of the rail **(Figure 4 and 5)**.

4. Position the adapter to the desired height and tighten the nuts. Replace plastic caps on to the nuts.

Sliders set horizontally for the Rubbermaid rail

Figure 1

Sliders set vertically for the Ergotron rail

Figure 2

COW - Rail

Plastic caps

Figure 3

COW - Rail

Slot

Figure 4

COW - Rail

Slot

Top of the Ergotron

Ergotron rail shown

Figure 5

OSHPD Anchor Pre-Approval OPA-1743

In compliance with standards established for the anchor and installation of instrument support systems by the California Office of Statewide Health Planning and Development (OSHPD), Amico Accessories Inc. has obtained preapproval for MRS 19" (482.6 mm) Wall Channels or longer with extension Arm. For proper installation requirements please refer to our OPA document.

Section 3: Monitor Installation

Monitor Mounting

⚠️ **WARNING:** ENSURE THAT THE ARM IS IN THE HIGHEST POSITION AND IS LOCKED BEFORE MOUNTING OR REMOVING THE ARM FROM THE CHANNEL.

⚠️ **WARNING:** ENSURE THE MONITOR SHELVES/PLATES PROVIDED BY AMICO ACCESSORIES INC. OR OTHER MANUFACTURERS ARE ASSEMBLED AS DIRECTED AND MATCH THE SHELF REQUIREMENT. IF A MONITOR SHELF/PLATE DOES NOT MATCH THE REQUIREMENT, PLEASE CONTACT AMICO ACCESSORIES INC. AT **1-877-264-2697**

ℹ️ **NOTE:** Amico Accessories Inc. carries a variety of Mounting Shelves and adapters that attach to the SSM Arm. View the SSM Matrix on pages 29 and 30 for more information.

ℹ️ **NOTE:** SSM - XXY - (C) – (Z) - Variables X, Y, C and Z are placeholders for part classification. Please refer to the SSM Matrix on pages 29 and 30 for more information.
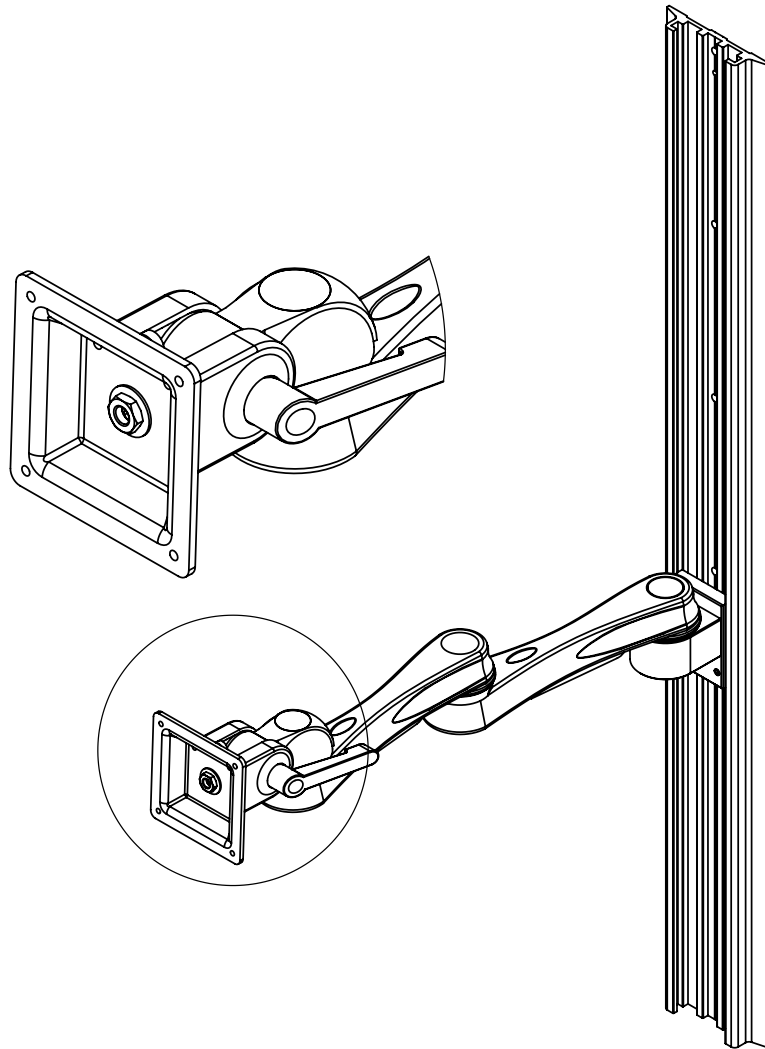
Section 3: Monitor Installation

Monitor Shelf: 3" (76.2 mm) Top/Back Mount, 5" (127 mm) Top/ Back Mount and VESA

⚠️ **WARNING:** ENSURE THE MOUNTING SHELF IS SECURELY LOCKED AND HORIZONTAL TO PREVENT THE MONITOR FROM SLIDING AND FALLING (SEE PAGE 20).
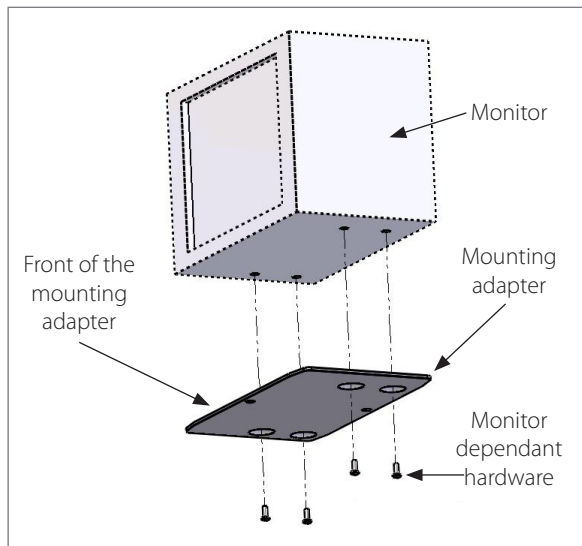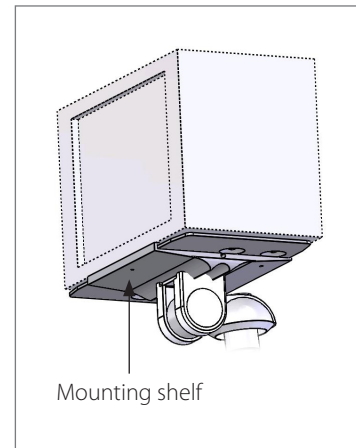
⚠️ **WARNING:** ON THE BOTTOM OF THE MOUNTING SHELF THERE IS A PLUNGER THAT SECURES THE SHELF TO THE MOUNTING ADAPTER. SIMPLY PULL DOWN ON THE PLUNGER, ALIGN THE ADAPTER PLATE WITH THE SHELF AND RELEASE THE PLUNGER ONCE POSITIONED OVER THE CLEARANCE HOLE **(FIGURE 3)**.

ℹ️ **NOTE:** The plunger can be locked in the open position by pulling and twisting it.

Monitor

Front of the mounting adapter

Mounting adapter

Monitor dependant hardware

Figure 1

Mounting shelf

Figure 2

1. First install the mounting adapter to the device (Please refer to the adapter installation manual provided with the adapter) **(Figure 1 on previous page)**.

2. Loosen the plastic screws on the bottom side of the mounting shelf. Pull down on the plunger lock at the bottom of the mounting shelf and twist it to keep it open. Slide the adapter laterally onto the mounting shelf until the plunger aligns with the clearance hole at the front of the mounting adapter **(Figure 3)**.

3. Release the plunger and tighten the plastic screws by hand **(Figure 4)**.

Plunger released

Mounting shelf

Plunger pulled

Figure 3

Front of the shelf

Plastic Screws

Plunger Lock

5" (127 mm) mounting shelf is shown above
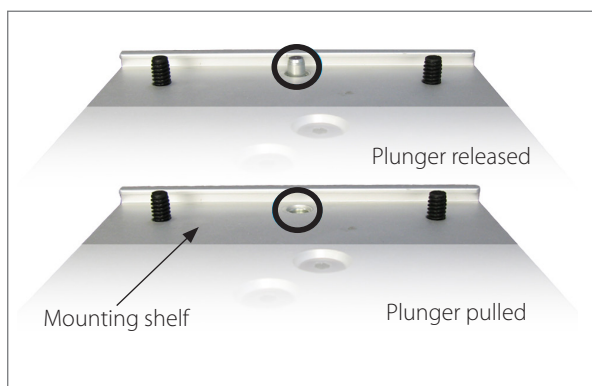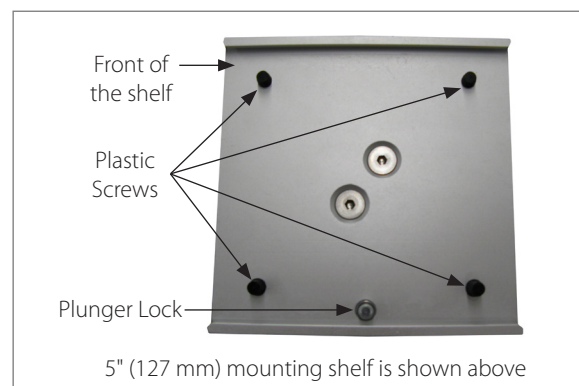
Figure 4

Section 3: Monitor Installation

Monitor Shelf: 6" (152.4 mm) Drop On

⚠️ **WARNING:** Ensure the mounting shelf is secure and vertical to prevent the monitor from sliding and/or falling.

ℹ️ **NOTE:** Quick installation system: On the back of the mounting plate there is a plunger that secures the plate to the mounting adapter. Simply slide and align the adapter to the shelf and the plunger will automatically engage and lock.

1. First, install the mounting adapter to the back of the monitor (Please refer to the adapter installation manual provided with the adapter).

2. Lift the monitor and slide the mounting adapter plate on to the mounting shelf. Slide the monitor down until the mounting hole on the mounting adapter aligns with the plunger **(Figure 1)**. When the hole and the plunger are perfectly aligned the plunger will automatically lock. If the plunger does not lock automatically then lock the plunger manually by turning it. Tighten the locking screws by hand to the tightest possible position **(Figure 2)**.

Mounting shelf

Mounting hole

Mounting adapter plate

Figure 1

Plunger Lock

Locking screws
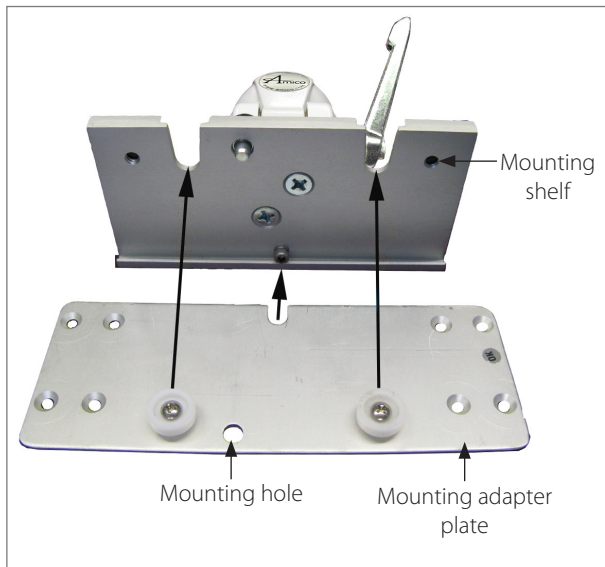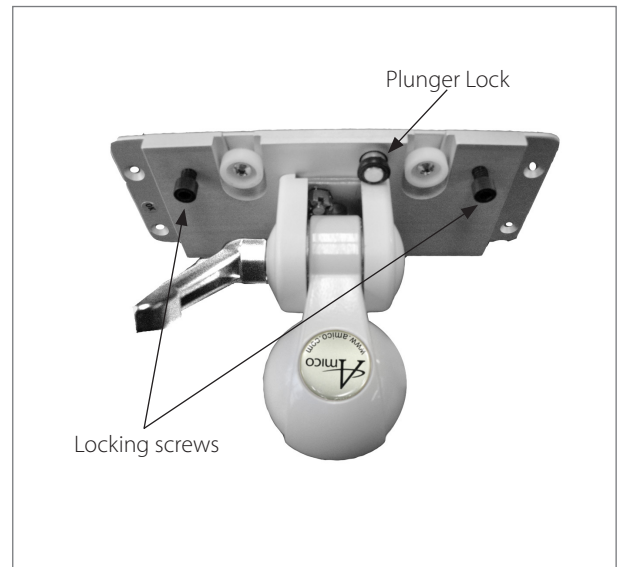
Figure 2

Section 3: Monitor Installation

Monitor Shelf: Philips Intellivue

⚠️ **WARNING:** ENSURE THE MOUNTING SHELF IS FIRMLY LOCKED AND HORIZONTAL TO PREVENT THE MONITOR FROM SLIDING AND FALLING.

TILT : LOCKING

#4

12mm

ℹ️ **NOTE:** Philips recommends a Maximum tilt of 15°.

ℹ️ **NOTE:** It is recommend to use M6 x 20 mm screws with thread locker or patched screws in order to eliminate possible dangers.

1. Attach the table top mount from Philips (not supplied by Amico) to the mounting shelf by securing the 3 screws through the shelf **(Figure 2)**.

2. Place the monitor to the table top mount until it clicks **(Figure 3)**.

3. Tilt the monitor to the desired angle and re-adjust the tension as needed with a 12 mm wrench **(Figure 4)**.

Philips Table Top Mount (not supplied)

12 mm hex nut

To tighten

To loosen

Figure 1

Three 20 mm M6 screws

Table top mount

Mounting shelf

Figure 2

Figure 3

12mm
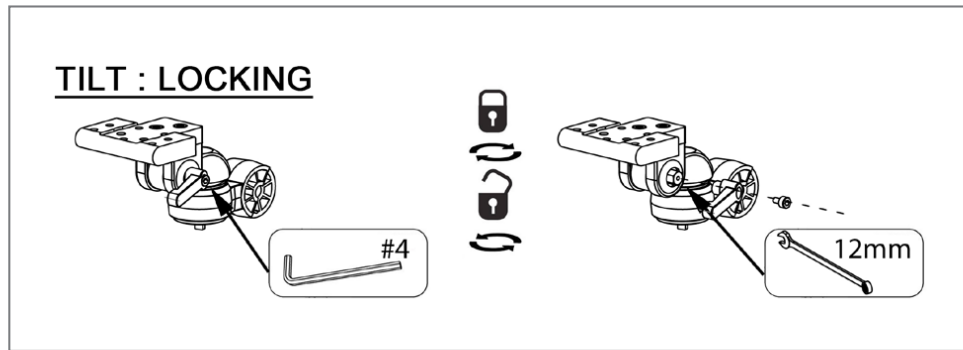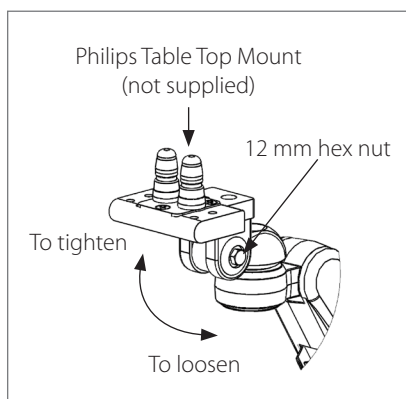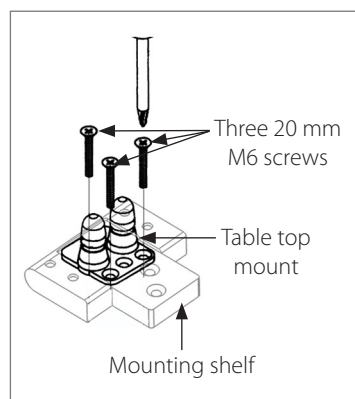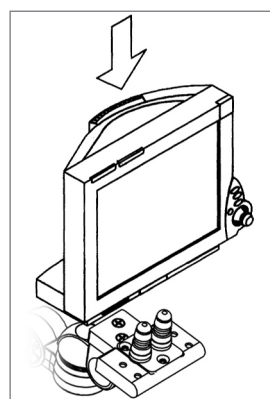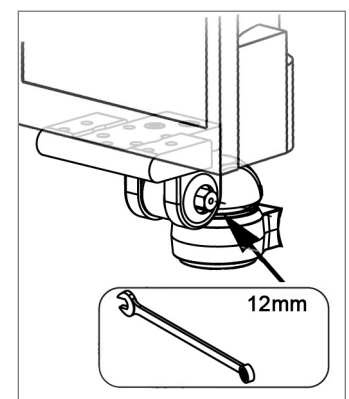
Figure 4

Section 3: Monitor Installation

Monitor Shelf: Welch Allyn

⚠️ **WARNING:** ENSURE THE MOUNTING SHELF IS SECURE AND HORIZONTAL TO PREVENT THE MONITOR FROM SLIDING AND FALLING.

1. To attach the monitor to the Welch Allyn shelf, lift the monitor to match the front lip of the mounting plate. Slide the monitor laterally until the mounting hole on the monitor aligns with the thumb screw on the adapter **(Figure 1)**.

2. Tighten the thumb screw to the tightest possible position **(Figure 2)**.

Thumb screw

Front lip

Figure 1

Thumb screw
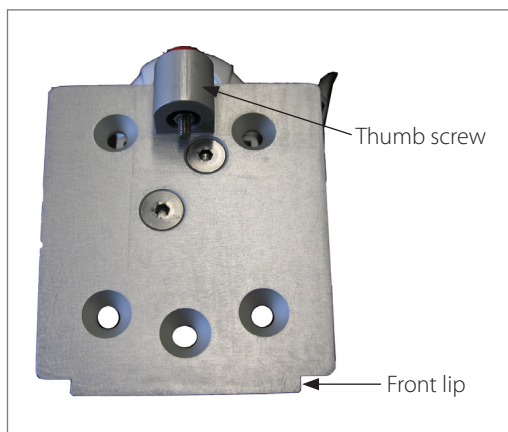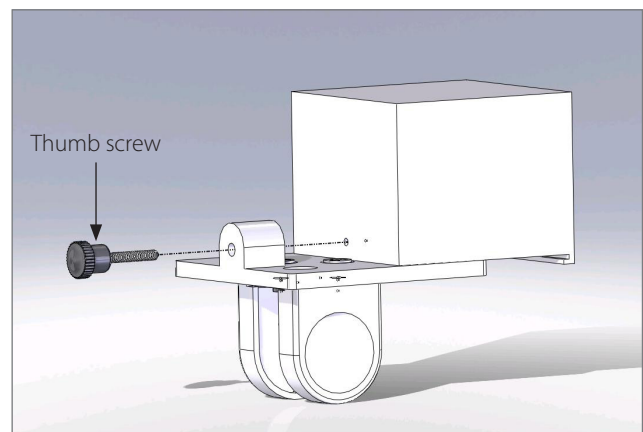
Figure 2

Section 3: Monitor Installation

Monitor Mounting: VESA 75/100

ℹ️ **NOTE:** Setting the VESA shelf horizontally can make the mounting procedure easier.

ℹ️ **NOTE:** If the original monitor bolts are too large, determine the screw size and consult with Amico Accessories Inc.

1. Determine the monitor mounting configuration. VESA 75 (75 mm x 75 mm with M4 threads) or VESA 100 (100 mm x 100 mm with M4 threads).

M4 screws for VESA

2. If a VESA 75 configuration is present on the monitor then lift the monitor to match the mounting holes on the VESA 75 shelf **(Figure 1)**. Fasten two M4 screws by hand through the back of the VESA 75 shelf and into the rear of the monitor. Secure the two remaining screws through the holes on the back of the VESA 75 shelf and into the monitor. Ensure all screws are secured. Be sure not to force the screw in, as it may strip the head. The VESA 100 adapter will not be required. Tighten using a cross pattern.

3. If a VESA 100 configuration is present on the monitor then attach the back of the VESA 100 adapter to the front of the VESA 75 shelf. This is done by inserting four M4 screws through the holes on the back of the VESA 75 shelf, into the inner threads from the back of the VESA 100 adapter **(Figure 2 and 3)** Lift the monitor to match the mounting holes on the VESA 100 adapter. Secure four M4 screws provided by the monitor manufacturer through the back of the VESA 100 adapter and into the monitor. Ensure all screws are secured; be sure not to force the screw in, as it may strip the head. Tighten using a cross pattern.

Front of the VESA 75 shelf

M4 mounting hole

Figure 1

Front of the VESA 100 adapter

M4 inner threads

M4 mounting hole

Figure 2

Side of the VESA 75 and VESA 100 together

Screws

VESA 75

VESA 100
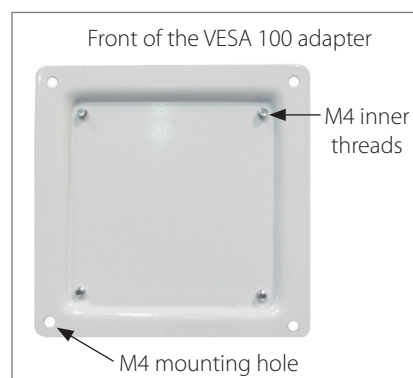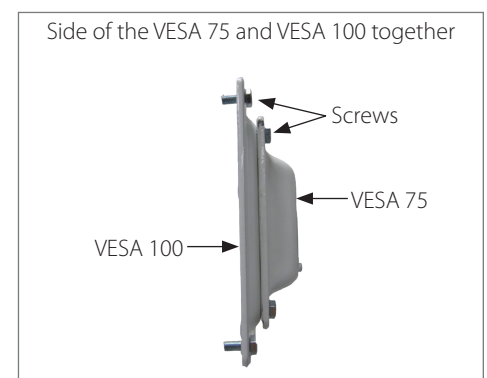
Figure 3

Section 3: Monitor Installation

Accessory Shelf: Disc

ⓘ **NOTE:** It is possible to attach accessories to the top or bottom side of the SSM Arm using this same mount **(Figure 1)**.

ⓘ **NOTE:** Amico Accessories Inc. carries a variety of different accessories that attach to the head of the SSM Arm.

Top side   Bottom side

Screw type: 10 x 32

(Disc installed on the top and Disc installed on the bottom)

Figure 1

6" and 12" post
(152.4 mm and 304.8 mm)

Figure 2

Single or dual cord holder

Figure 3

Keyboard handle

Figure 4

Dual Head

Figure 5

Keyboard Tray

Figure 6

Laptop Holder

Figure 7

ARS Rail
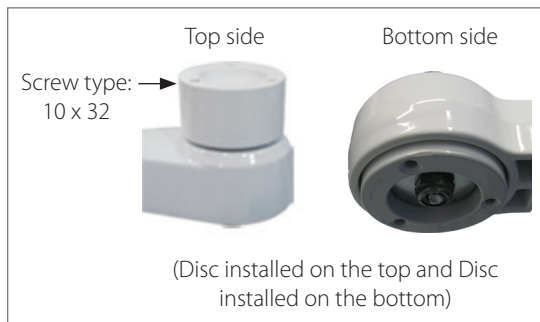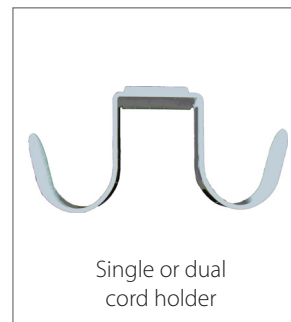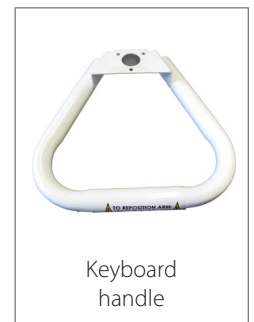
Figure 8

Section 4: Adjustments

Rotation (SSM Side To Side)

⚠️ **WARNING:** BOTH ARMS HAVE A 180° ROTATION. ENSURE PROPER CLEARANCE AROUND THE ARM(S) TO AVOID COLLISION.

ℹ️ **NOTE:** If the arm becomes difficult to rotate, or too loose, please contact Amico Accessories Inc.: 1-877- 264-2697.

Detail 1
Scale 1:5

Detail 2
Scale 1:5

Detail 3
Scale 1:5

Detail 4
Scale 1:5

1   2   3   4
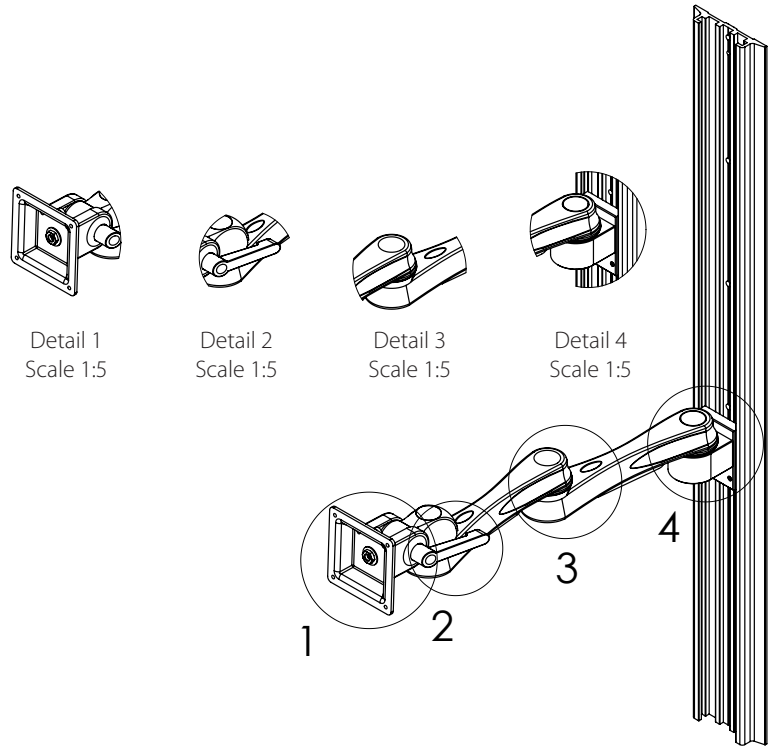
Single Arm Rotation:
To rotate the arm, simply push on the side of the arm or the mounted monitor in the direction desired **(Figure 1)**.

Dual Arm Rotation:
To rotate at the end point (near wall), push on the side of the extension arm, near the mid-way point **(Figure 2)**. To rotate at the midway point, hold the extension arm with one hand and push on the side of the SSM Arm with the mounted monitor in the direction desired **(Figure 3)**.
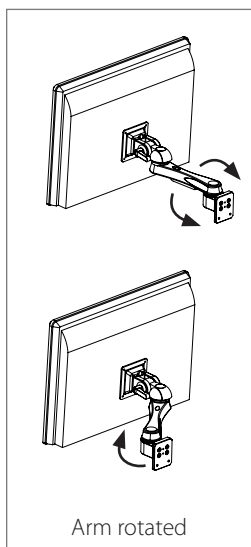
Arm rotated

Figure 1

To rotate at first arm
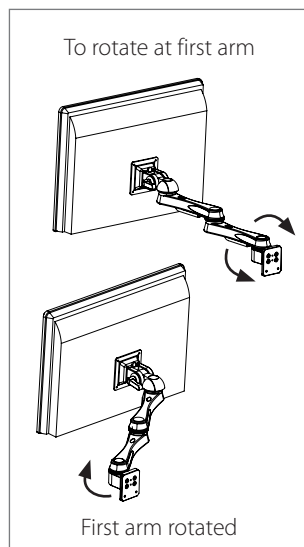
First arm rotated

Figure 2

To rotate at second arm
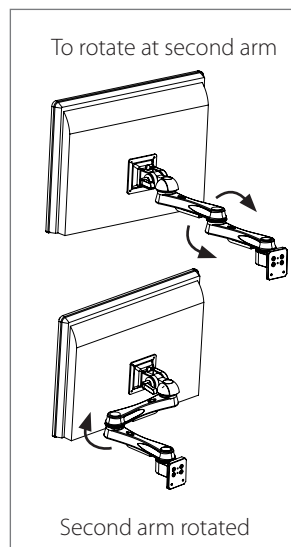
Second arm rotated

Figure 3

End point

Figure 4

End point

Midway point
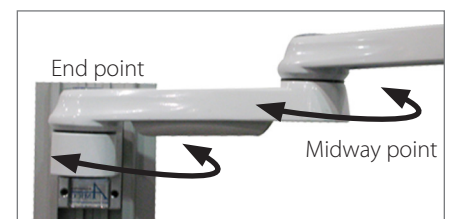
Figure 5

Section 4: Adjustments

Adjusting the Tension Bolt

⚠️ **WARNING:** It is not recommended to adjust the rotation tension bolt. If you do, be sure not to unfasten the bolt too much or the head will disassemble from the arm.

⚠️ **WARNING:** Be sure not to adjust rotation tension bolt at the bottom end of the arm. This may damage the hardware inside the head.

1. The rotation tension bolt is located under the front-end of the arm. This is where the tension of the heads rotation is adjusted **(Figure 1)**.

2. The mounted device rotates at the front of the arm. To rotate the device, push the corners of the device or the head **(Figure 2 and 3)**.

1/2" (12.7 mm) bolt

Rotation Tension Point

Figure 1

Head Rotated

Figure 2

SSM Head without Rotation
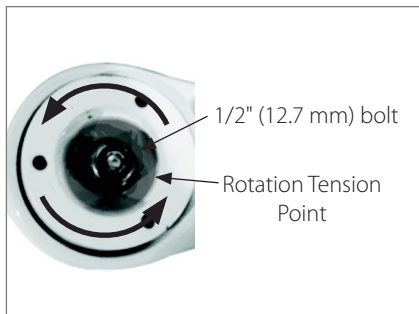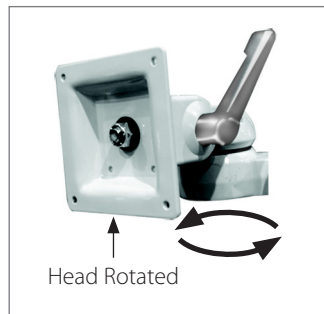
Figure 3

Section 4: Adjustments

Monitor Tilt

⚠️ **WARNING:** ALWAYS SUPPORT THE MONITOR IF ADJUSTING THE TILT ANGLE WHILE A MONITOR IS MOUNTED.

⚠️ **WARNING:** FOR HEAVIER MONITORS, IT IS STRONGLY RECOMMENDED TO CHECK WHETHER THE TILT-SETTING LEVER IS TIGHTENED TO THE TIGHTEST POSITION WHILE THE MONITOR IS ATTACHED. IF THE ADJUSTMENT LEVER CANNOT BE TIGHTENED ENOUGH TO SECURE THE MONITOR IN PLACE, PROCEED TO STEP 3.

⚠️ **WARNING:** DO NOT ADJUST TILT-ANGLE WITHOUT FIRST LOOSENING THE TILT-SETTING LEVER.

ℹ️ **NOTE:** Tilt-angle setting is ONLY ACHIEVED BY TIGHTENING THE TILT-SETTING LEVER. DO NOT tighten nuts adjacent to the Tilt-setting Lever.

Tools

4 mm Allen Key   12 mm Socket Wrench

Reference

Tilt Hinge   Tilt-Setting Lever

Patient Monitor Shelf   4 mm (5/32") Allen Nut
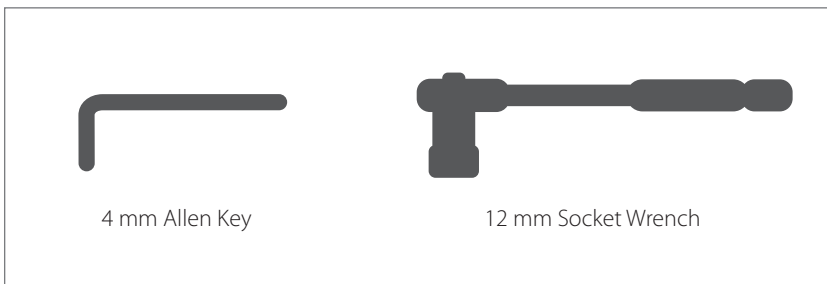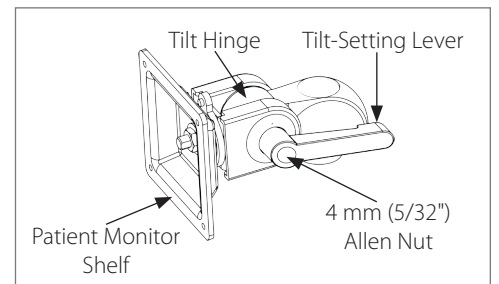
1. To TIGHTEN the Tilt-Hinge (in order to set the desired tilt angle), TURN the Tilt-Setting Lever CLOCKWISE. [Turning the Lever COUNTER-CLOCKWISE will ENABLE tilt movement]

Tighten

Loosen

Section 4: Adjustments

2. A sufficient level of tightness may not be achieved by the time the Tilt-setting Lever touches the back of the Patient Monitor Shelf **(Figure 1)**. If this occurs, PULL the lever AWAY from the MON Head to disengage the lever **(Figure 2)**. TURN the lever COUNTER-CLOCKWISE **(Figure 3 [1])** to create space for the lever to further tighten. PUSH the lever TOWARDS the MON Head **(Figure 3 [2])** to re-engage the lever. Repeat Step 1 to further tighten the Tilt Hinge.
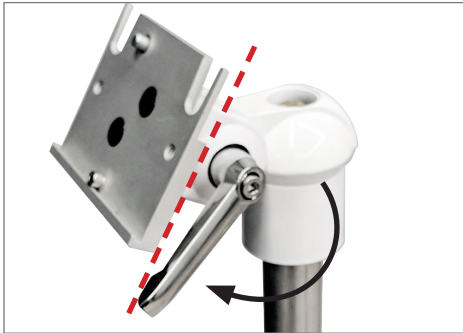
Figure 1
Lever blocked by Patient Monitor Shelf

Figure 2
Pull lever AWAY from the MON Head
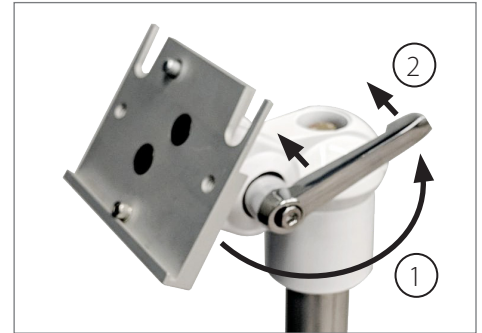
Figure 3
Rotate Lever COUNTER-CLOCKWISE [1] and PUSH [2]

3. If a sufficient level of tightness cannot be achieved, use a 4 mm Allen key to loosen the screw that keeps the Tilt-setting Lever in place **(Figure 4)**. Remove the screw and spring **(Figure 5)**. Remove the lever to reveal the 12 mm hex-nut **(Figure 6)**.

> ℹ **NOTE:** In some instances (especially with heavy monitors), a sufficient level of tightness cannot be achieved. If monitor tilt-angle will not set, proceed to Step 3.

Figure 4

Spring

Figure 5

Figure 6

4. Turn the 12 mm hex-nut CLOCKWISE using the 12 mm socket wrench **(Figure 7)** to tighten.

Figure 7

5. Test to confirm the tilt-angle is secure.

Section 4: Adjustments

Rotation (Monitor Head)

⚠️ **WARNING:** DO NOT ADJUST THE ROTATION TENSION BOLT. IF THERE ARE PROBLEMS ASSOCIATED WITH THE HEAD ROTATION PLEASE CONTACT AMICO ACCESSORIES INC. OR REFER TO THE TROUBLESHOOTING SECTION (PAGE 28) FOR MORE INFORMATION.

1. The monitor rotates at the front of the arm. To rotate the monitor, push the corners of the device or the head while holding the SSM Arm. If the SSM is not held in place, the monitor head will rotate with the swivel post **(Figure 1)**.

Head Rotated

Figure 1

Portrait and Landscape Adjustment

ℹ️ **NOTE:** It is recommended to make the adjustments with the monitor mounted.
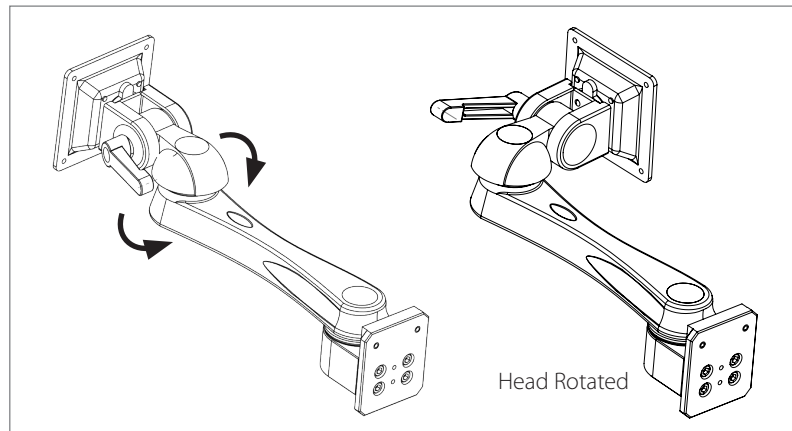
1. To adjust the orientation, turn the monitor. The monitor can turn up to 135° in either left or right. The stopper is built so that it cannot rotate further than 135° **(Figure 2)**.

2. To adjust the tension of the portrait and landscape feature for VESA 75 plate, The monitor must be removed from the Monitor Head. Remove the four VESA 75 screws from the monitor. Turn the Rotational Tension Bolt **(Figure 2)** in the center of the VESA adapter clockwise to tighten the tension. Turn counterclockwise to loosen the tension. After tension is adjusted, remount the monitor (Refer to Page 16).

3. To adjust the tension of the portrait and landscape feature for VESA 100 plate, The monitor must be removed from the Monitor Head. Remove the four inner screws that secure the VESA 100 plate to the VESA 75 plate. There is no need to remove the VESA 100 plate from the monitor. Turn the Rotational Tension Bolt **(Figure 2)** in the center of the VESA adapter clockwise to tighten the tension. Turn counterclockwise to loosen the tension. After tension is adjusted, remount the monitor (Refer to Page 16).

Rotational Tension Bolt
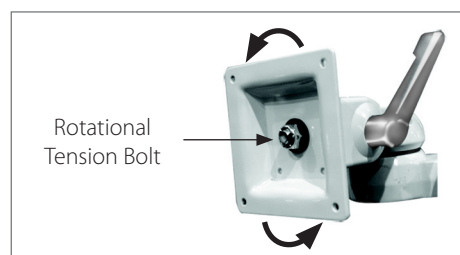
Figure 2

Section 4: Adjustments

Portrait and Landscape Limiter

ⓘ **NOTE:** Lock-out feature only available for monitors using VESA adapters

ⓘ **NOTE:** Lock-out is useful for shorter cables. It prohibits the rotation of the monitor to +/- 15°.

1. Remove the monitor by removing the four VESA 75 screws (or VESA 100 users, the inner screws that holds the VESA 100 adapter to the VESA 75 adapter) Loosen the rotation tension bolt approximately 1 full turn at the center of the VESA adapter and rotate the VESA head to locate the VESA rotation stoppers on the two sides of the built in stopper **(Figure 1)**

2. Re-mount the monitor (refer to page 16). Grab the monitor itself and turn to desired angle. The head will stop at the location of the stopper and prohibit further movement **(Figure 2 and 3)**.

Rotational Tension Bolt

Figure 1

Built in Stopper

VESA Rotation Stopper

Figure 2

VESA Rotation Stopper

Built in Stopper
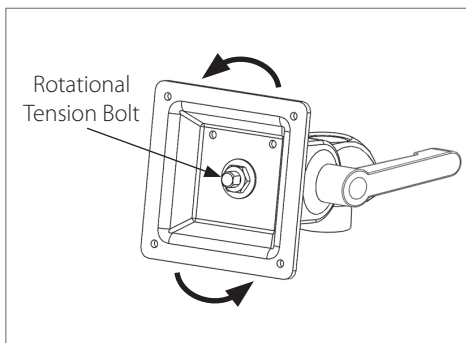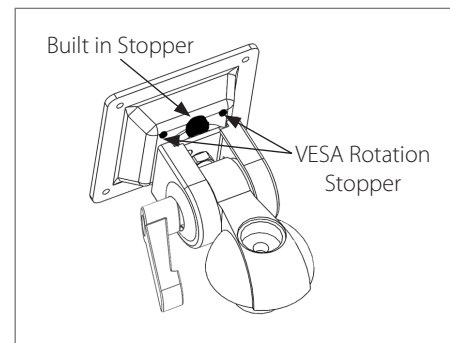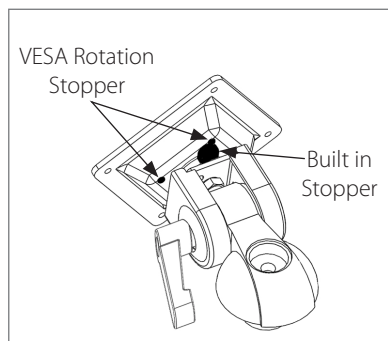
Figure 3

Section 4: Adjustments

Cable Management: SSM Cable Management

ⓘ **NOTE:** A Cable guide is provided to facilitate routing of cables along the bottom of the arm.

1. Route cables between the openings and snap them into the cable guide. Larger cables may require the cable guide be pried apart. In that case, take care not to damage the cable guide. Leave some extra cable loose at the front and rear of the arm to prevent cable binding, connector damage or cable guide damage **(Figure 1)**.

Bottom of the SSM Arm   Cable Cover
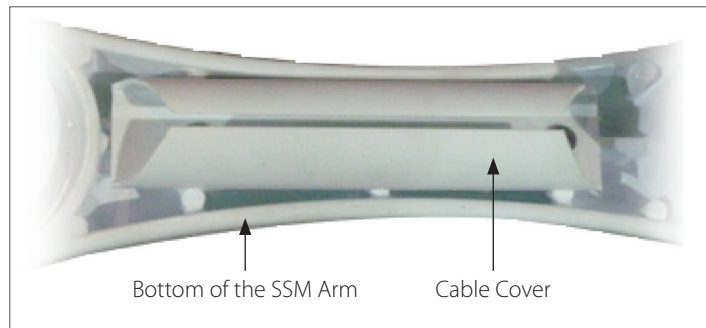
Figure 1

Cable Management: MRS Rail Cover

1. Guide the cables into the center of the MRS rail, keep cables off the two sides of the MRS rail **(Figure 2)**.

2. Guide the MRS rail cable cover into the channel over the cable. Ensuring no cable is pinched between the rail and the cover. Safely trim off any excess MRS cover after installation.

Direction to slide
MRS Rail Cover
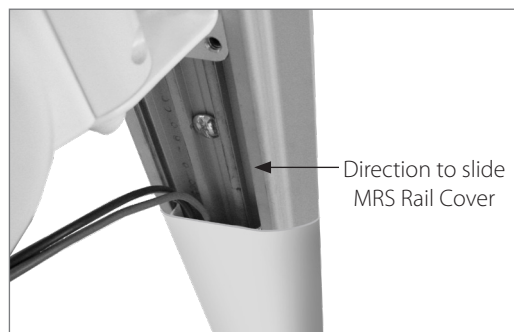
Figure 2

Section 5: Troubleshooting, Maintenance, Product Classification

Cleaning

⚠️ **WARNING:** THE CLEANING CHEMICALS AND METHODS BELOW ARE NOT MEANT FOR CONTROLLING ANY INFECTIONS. IT SHALL BE THE RESPONSIBILITY OF THE HOSPITAL OR THE HOSPITAL'S INFECTION CONTROL OFFICER TO SANITIZE THE EQUIPMENT.

⚠️ **WARNING:** PLEASE DO NOT SPRAY ANY CHEMICAL DIRECTLY ONTO THE ARM. APPLY ONTO A SOFT CLOTH AND WIPE CLEAN TO PREVENT CHEMICALS GETTING INTO THE INTERNAL COMPONENTS OF THE ARM.

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 and trichloroethylene. Steel wool or other abrasive material should never be used. Damage caused by the use of unapproved substances or processes will not be warranted. It is recommended that you test any cleaning solution on a small area of the arm that is not visible to verify compatibility. Never submerge the arm and do not allow liquids to enter it. Wipe any cleaning agents off the arm immediately using a water-dampened cloth. Dry the arm thoroughly after cleaning.
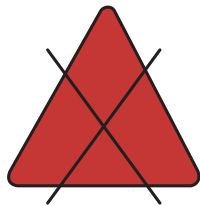
No Acetone
Acetone is a colorless, mobile, flammable liquid

Acetone

Figure 1

No Trichloroethylene
Trichloroethylene is a chlorinated hydrocarbon commonly used as an industrial solvent

Trichloroethylene

Figure 2

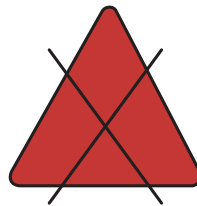# Section 5: Troubleshooting, Maintenance, Product Classification

Troubleshooting

Symptom	Possible Cause	Solution
• Too easy or too difficult to tilt the monitor up and down	• Excessively loosened or tightened hardware. • Weight of the monitor is not compatible with the arm	Please see "Monitor Tilt" section of the manual (See page 20) or use an arm with a compatible rating
• Too easy or too difficult to twist the monitor left and right	• Excessively loosened or tightened hardware. • Damaged hardware.	Please see "Monitor Installation" section of the manual(See page 11-17)
• Too easy or too difficult to turn the monitor left and right	• Excessively loosened or tightened hardware. • Damaged hardware.	Please see "Monitor Head Rotation" section of the manual(See page 22)
• The SSM Arm is not secure and is rocking slightly	• Loosened/ damaged hardware	Perform preventive maintenance or please contact Amico Accessories Inc..
• The SSM Arm is angled to the side and no longer straight	• Bent/damaged SSM Arm • Load outside duty range • Loosened/ damaged hardware	Perform preventive maintenance, check the load is within weight range of the arm, or please contact Amico Accessories Inc..
• Shelf plunger pin does not engage	• Plunger pin is locked	Twist the plunger

If the above solutions do not solve your symptoms or you are in need of parts/hardware, please contact Amico Accessories, **1-877-264-2697**

Section 5: Troubleshooting, Maintenance, Product Classification

Preventive Maintenance (SSM Monitor Arm)

⚠️ **WARNING:** SSM MONITOR ARM REQUIRES PERIODIC INSPECTION AND MAINTENANCE TO PERFORM OPTIMALLY AND ACHIEVE MAXIMUM OPERATION LIFE.

⚠️ **WARNING:** THE INTERVALS SHOWN ON THE NEXT PAGE ARE RECOMMENDED. MAINTENANCE SCHEDULES SHOULD BE SHORTENED FOR SSM MONITOR ARM THAT SEE HEAVY USE.

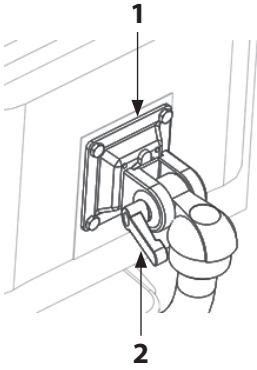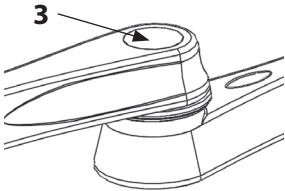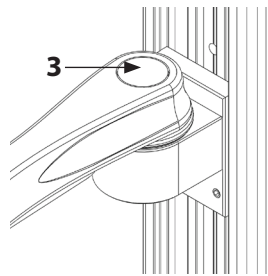**Please be sure to thoroughly check the areas illustrated below for SSM Monitor Arm:**
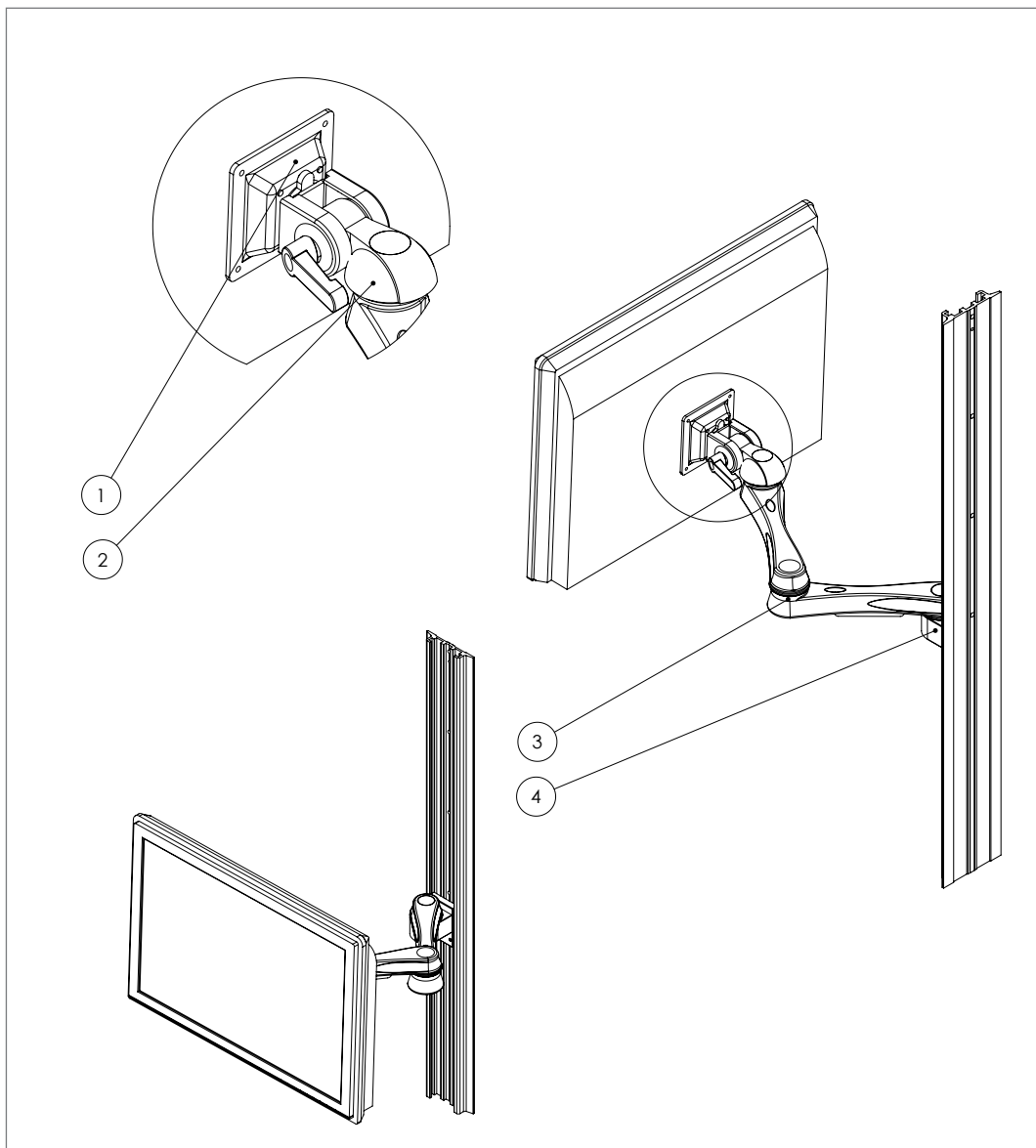
Section 5: Troubleshooting, Maintenance, Product Classification

Area	Maintenance	Period (Month)

1 ↓ **2** ↓	***Area 1:***
	
	A) Check if the adapter plate and the monitor are securely attached.
	   • Mounting shelves and drop on shelf (SSM-XX (0, 2, 6, 8 and 9)) – Ensure the screws are tight. Ensure the plunger is securely holding the adapter.
	   • VESA 75/100(SSM-LCD) – Ensure the four screws on the mounting plate are fastened to the tightest possible position (shown).
	   • Philips (SSM-XX3) – Ensure studs are securely holding the monitor
	   • Welch Allyn (SSM-XXW) – Ensure the thumb screw is fastened to the tightest possible position.
		3

	B) Visually inspect for any signs of grinding and gapping.	1
	Area 2: A) Ensure the adjustment lever is tight and secure. Also check if the plastic cover is attached firmly. Tightening will be required after prolonged use.	1
	B) Inspect the bolt, washers and contacting surfaces for grinding and wearing. Ensure the bolt is tightened to the tightest position.	6
	C) Check for any signs of gapping between the bushing and the head. Also ensure the head of the SSM is horizontal and is secure.	6
	D) Inspect the bolt, washers and contacting surfaces for grinding and wearing.	6
3 →	***Area 3:*** Ensure all the screws are fastened to the tightest possible position. Inspect for any signs of grinding, bending and gapping and ensure the SSM Arms are tightly attached together.	1
3 →	***Area 4:*** A) Inspect the bolt, washers and contacting surfaces for grinding and wearing. Ensure the bolt is tightened to the tightest position.	6

	B) Inspect visually for any gapping between the bracket and the adapter plate. Ensure the bracket is tightly attached to the adapter plate.
	
	   MRS and Hill-Rom – Ensure the screws are fastened to the tightest possible position.
	
	   VRS – Ensure the screw knobs are fastened to the tightest possible position.
		1

Part Number Matrix

SSM-XXX-(Z)

25
Single 9" (22.9 cm) SSM Arm

35
Dual 9" (22.9 cm) SSM Arm

05
Single 12" (30.5 cm) SSM Arm

15
Dual 12" (30.5 cm) SSM Arm

45
Flush Mount

0
5" (12.7 cm) Shelf with 30° tilt limit

2
6" (15.2 cm) Drop on shelf

3
Philips IntelliVue Shelf

4
Accessory add on top

6
5" (12.7 cm) Shelf for back mounts

7
5" (12.7 cm) Shelf with slide-in VESA 75/100 Plate

8
3" (7.6 cm) Shelf with 30° tilt limit

MON
Standard Channel Adapter

V
Amico Vertical Rail Adapter

G
Hill-Rom Vertical Rail Adapter

Section 5: Troubleshooting, Maintenance, Product Classification

Part Number Matrix

SSM-LCD-XX-(Z)

25
Single 9" (22.9 cm) SSM Arm

35
Dual 9" (22.9 cm) SSM Arm

05
Single 12" (30.5 cm) SSM Arm

15
Dual 12" (30.5 cm) SSM Arm

45
Flush Mount

MON
Standard Channel Adapter

V
Amico Vertical Rail Adapter

G
Hill-Rom Vertical Rail Adapter

Standard Plates Provided

VESA 75

VESA 100

Side View

Side View

Warranty Policy - Equipment Mounting Solutions

Amico Accessories Inc. warrants all mounting accessories to be free from defects in material and workmanship for a period of twelve (12) months from the date of shipment. Within this period Amico Accessories Inc. will repair or replace any part which is proven to be defective.

Amico Accessories Inc. will warrant its materials to be free from defect for an additional period of four (4) years, (five [5] years from the date of shipment). Within this period, Amico Accessories Inc. will replace any part which is proven to be defective, at no charge. Shipping and Installation costs after the first twelve (12) months will be borne by the Customer.

This warranty is valid only when the product has been properly installed according to Amico Accessories Inc. specifications, used in a normal manner and serviced according to factory recommendations. It does not cover products that are not manufactured by Amico Accessories Inc. It does not cover failures due to damage which occurs in shipments or failures which result from accidents, misuse, abuse, neglect, mishandling, alteration, misapplication or damage that may be attributable to acts of God.

Amico Accessories Inc. shall not be liable for incidental or consequential damages resulting from use of equipment.

All claims for warranty must first be approved by Amico Accessories Inc. A valid Return Goods Authorization (RGA) number must be obtained from Amico Accessories Inc. prior to commencement of any service work. Warranty work, which has not been pre-authorized by Amico Accessories Inc., will not be reimbursed.

AMICO ACCESSORIES INC. DOES NOT HONOR VERBAL STATEMENTS CONCERNING THE WARRANTY.

The distributor and/or dealer are not sanctioned to create verbal warranties about the product described in this agreement. Any statements will not be honored or be made part of the agreement of sale. This document is the final complete and exclusive terms of the agreement.

THIS WARRANTY IS INCLUSIVE AND REPLACES ALL OTHER WARRANTIES.

Amico Accessories Inc. shall not, under any circumstances be liable for incidental or consequential damages including, but not limited to, profit, loss of sales or injuries to person(s) or property. Correction of noncompliance as noted above will result in completion of all liabilities of Amico Accessories Inc., whether based on agreement, neglect or changed materials, designs or specifications without notice.

All claims for warranty must first be approved by Amico Accessories Inc. Service Department: accessories@amico.com or 1.877.264.2697. A valid Return Goods Authorization number must be obtained from Amico Accessories Inc. prior to commencement of any warranty claim.

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