

Installation Instructions and Maintenance Manual

Adjustable Height Monitor (AHM) Arm

For Philips Sets:

PH-AHM-053-M-00 | PH-AHM-053-M-01 | PH-AHM-050-M-00 | PH-AHM-056-M-00



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:

Symbol	Signal Word	Level of Hazard
	WARNING	Indicates a potentially hazardous situation which, if not avoid, could result in death or serious injury.
	NOTE	Follow operating instructions.

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.

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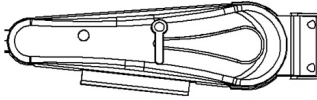
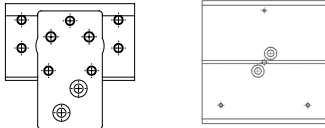
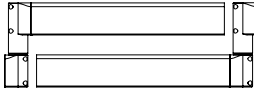
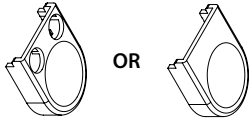
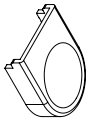
Section 1: Installation Preparation

Installation Tool Requirements

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

Item	Item number	Quantity
#2 Philips Screwdriver	A1	1
HEX Keys (1/8" 3/16", M3, M4)	A2	1 each
Socket Wrenches (12 mm, 13 mm, and 1/2")	A3	1 each
Adjustable Wrench	A4	1
AHM Arm	B1	1
Mounting adapter/plate (many options) and Monitor dependent hardware set – see Part Matrix (page 26)	B2	1
Cap	B6	1
Lock Nut M8	B5	1
Extension arm (optional)	B4	1

i NOTE: AMICO DOES NOT PROVIDE ANY DEVICE HARDWARE, NOR THE TOOLS NECESSARY FOR ASSEMBLY (ALL ABOVE IN GREY TEXT).

	A	B
1		
2		
3		
4		
5		
6		 OR 

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 *MONITOR ARM* ABOVE A PATIENT.
-  **WARNING:** THE *AHM MONITOR ARM* CONTAINS A STRONG GAS SPRING WHICH IS USED TO COUNTER BALANCE THE WEIGHT OF THE MOUNTED DEVICE. THE ARM HOUSING SHOULD NEVER BE DISASSEMBLED BY NON-AMICO PERSONNEL. FAILURE TO FOLLOW THESE GUIDELINES COULD RESULT IN SERIOUS INJURY. THE MOUNTED DEVICE SHOULD BE WITHIN THE “DUTY WEIGHT RANGE” FOR BEST PERFORMANCE AND RELIABILITY.
-  **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 *AHM MONITOR ARM*. SEE RAIL INSTRUCTIONS FOR SPECIFIC WALL CHANNEL GUIDELINE INFORMATION.
-  **WARNING:** VERIFY THE WEIGHT OF THE DEVICE TO BE MOUNTED. (AHM PATIENT *MONITOR ARMS* ARE RATED AT 40 lbs (18.1 kg) OF LOAD, THIS RATING APPLIES TO ALL AHM WITH OR WITHOUT EXTENSIONS). (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 ARM ASSEMBLY. THE ABOVE WEIGHT RATING APPLIES TO ALL UNITS INCLUDING THOSE WITH EXTENSIONS.

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 AHM

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

Ahm Monitor Arm

1. **Monitor Mounting Adapter**
3 – Philips Head shown, other options available
2. **Monitor Head - Rotation**
Monitor rotation adjustment
3. **Height Locking Lever**
Locks the arm at a desired height
4. **Counter Balance**
Adjustment for maintaining Monitor height
5. **Extension Arm**
6" (152.4 mm) folding extension arm shown, other options available
6. **Mounting Adapter**
MON Adapter shown for MRS rail, other options available
7. **Monitor Head - Tilt**
Tilt Adjustment Lever
8. **Cable Management**
Manages the cables of the Monitor for better organization

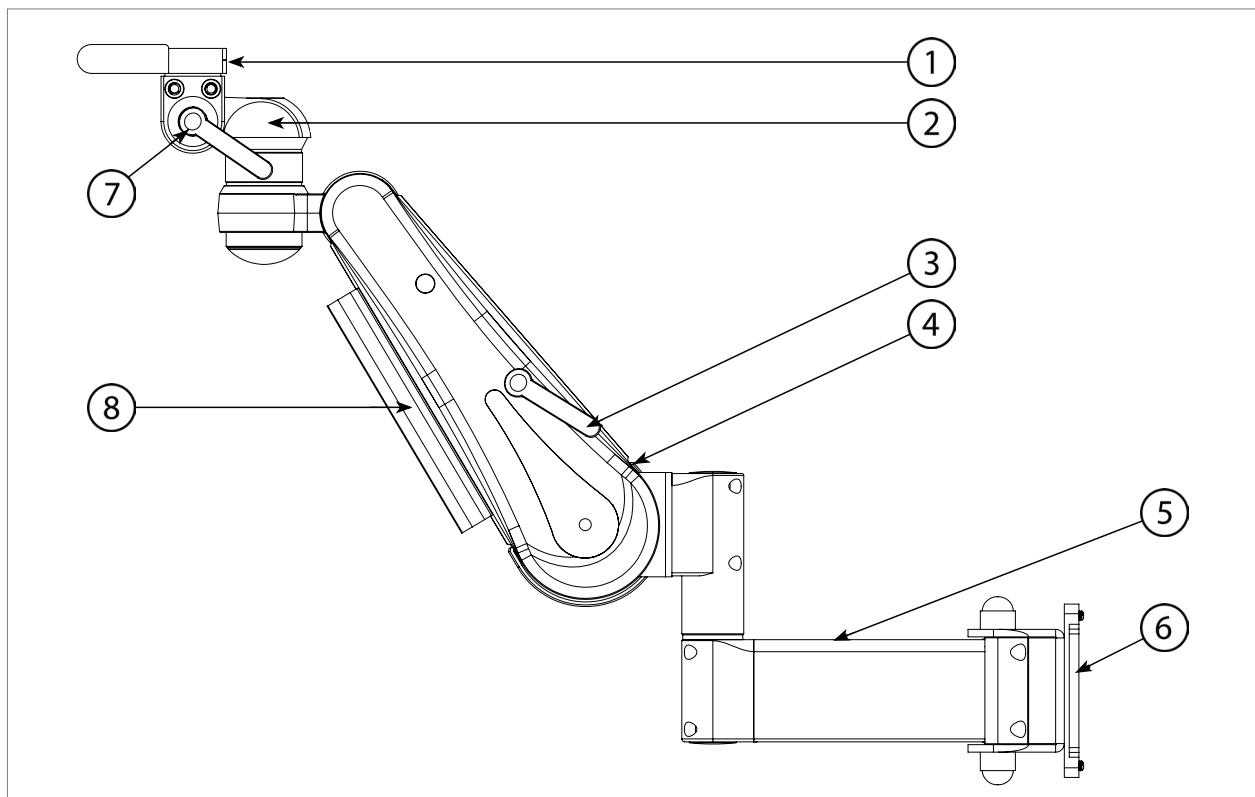


Figure 1

Section 2: Monitor Installation and Accessories

Mounting to the Monitor Rail System (MRS) with the MON Adapter

WARNING: NEVER ATTEMPT TO MOUNT OR REMOVE THE AHM ARM FROM THE RAIL WHEN A **MONITOR** IS INSTALLED.

NOTE: FOR SAFETY, TOP AND BOTTOM STOPPERS PREVENT THE ADAPTER FROM SLIDING OUT OF THE MRS RAIL. TO REMOVE AHM ARM, THE ADAPTER MUST BE TAKEN OUT FROM THE TOP OF THE RAIL WITH THE TOP STOPPER PRESSED BACK INTO THE RAIL (**FIGURE 3**).

1. With the AHM Arm locked in the highest vertical position (lock height adjustment by turn the **HEIGHT LOCKING LEVER** clockwise), support the bottom of the arm and guide the **MON ADAPTER** into the top of the MRS Rail (wall channel).
2. Once the AHM Arm is at the desired height, tighten all four **SET SCREWS** on the **MON ADAPTER** using a 1/8" (3 mm) Hex Key (**Figure 2**).

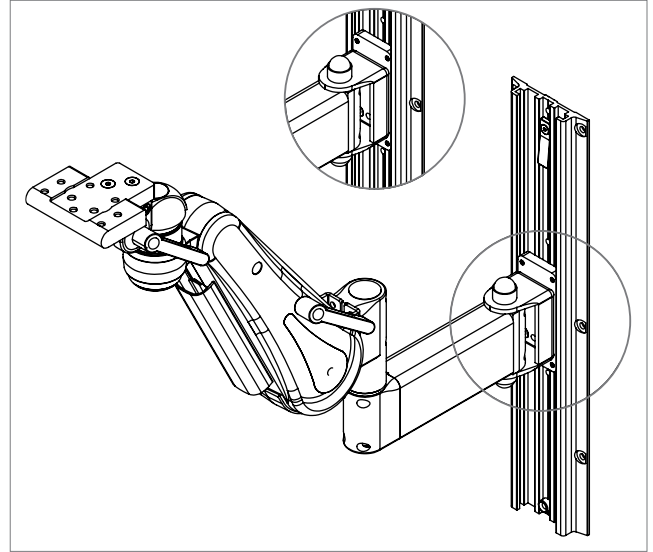


Figure 1

Verification Step

Check that **SET SCREWS** are tightened enough such that the AHM Arm does not move in the MRS Rail when lifted or when adjusting the AHM Arm height (see Section 4: Adjustments).

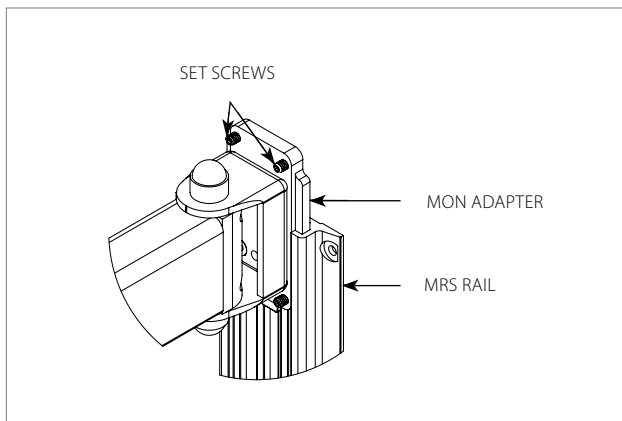


Figure 2

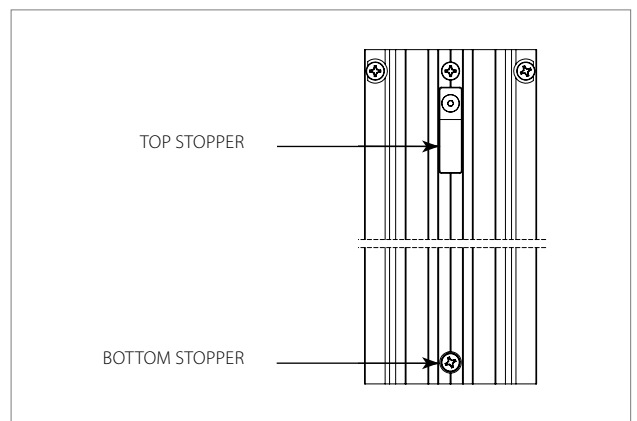


Figure 3

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" (48.26 cm) 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 *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* OR *PLATE* DOES NOT MATCH THE REQUIREMENT, PLEASE CONTACT AMICO ACCESSORIES INC., 1-877-264-2697.

NOTE: AMICO ACCESSORIES INC. CARRIES A VARIETY OF *MOUNTING SHELVES* AND ADAPTERS THAT ATTACH TO THE AHM ARM. VIEW THE AHM MATRIX ON PAGE 26 FOR MORE INFORMATION.

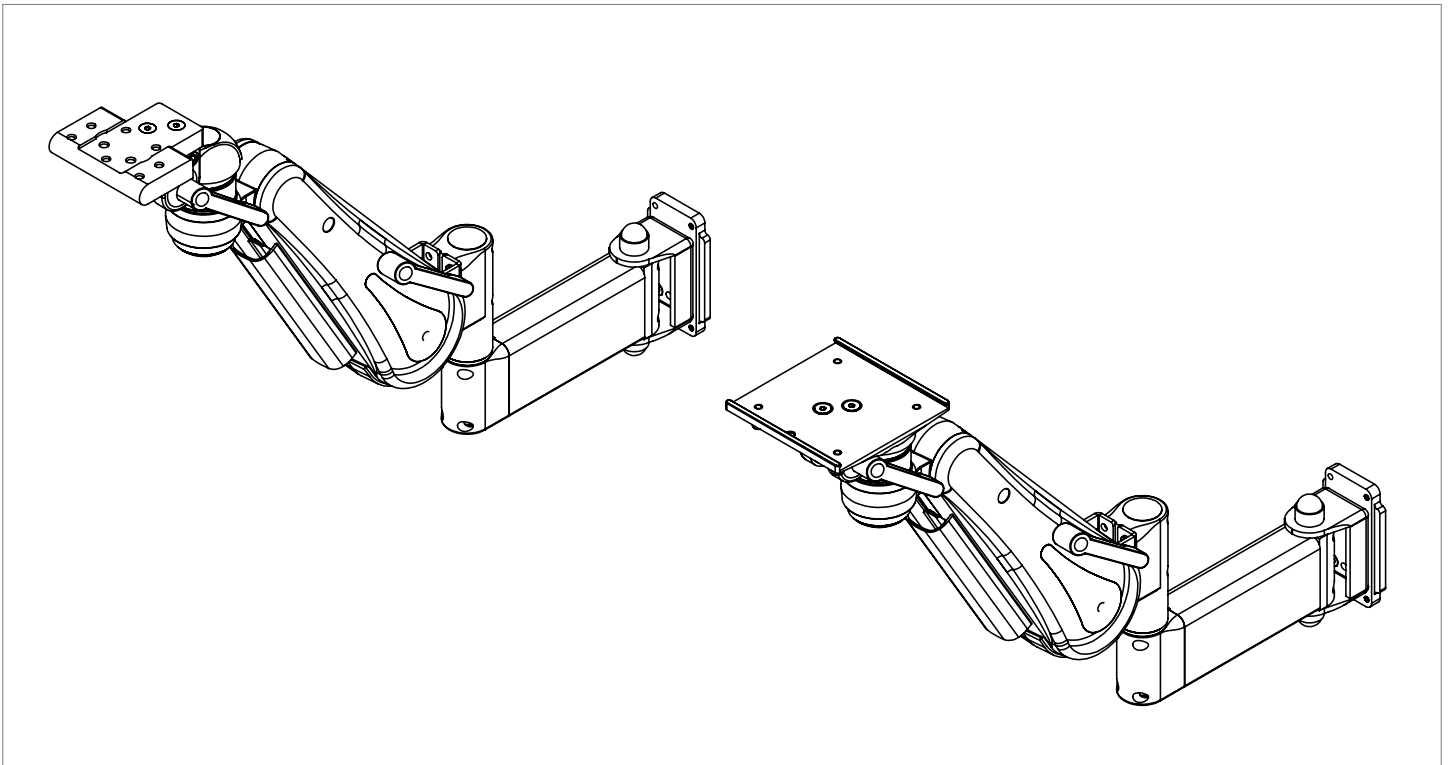


Figure 1

Section 3: Monitor Installation

Monitor Shelf - 5" (127 mm) Top Mount

Philips Efficia CM10/12/100/120/150, EarlyVue VS30

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

NOTE: THE **LOCKING PIN** CAN BE LOCKED IN THE OPEN POSITION BY PULLING AND TWISTING IT.

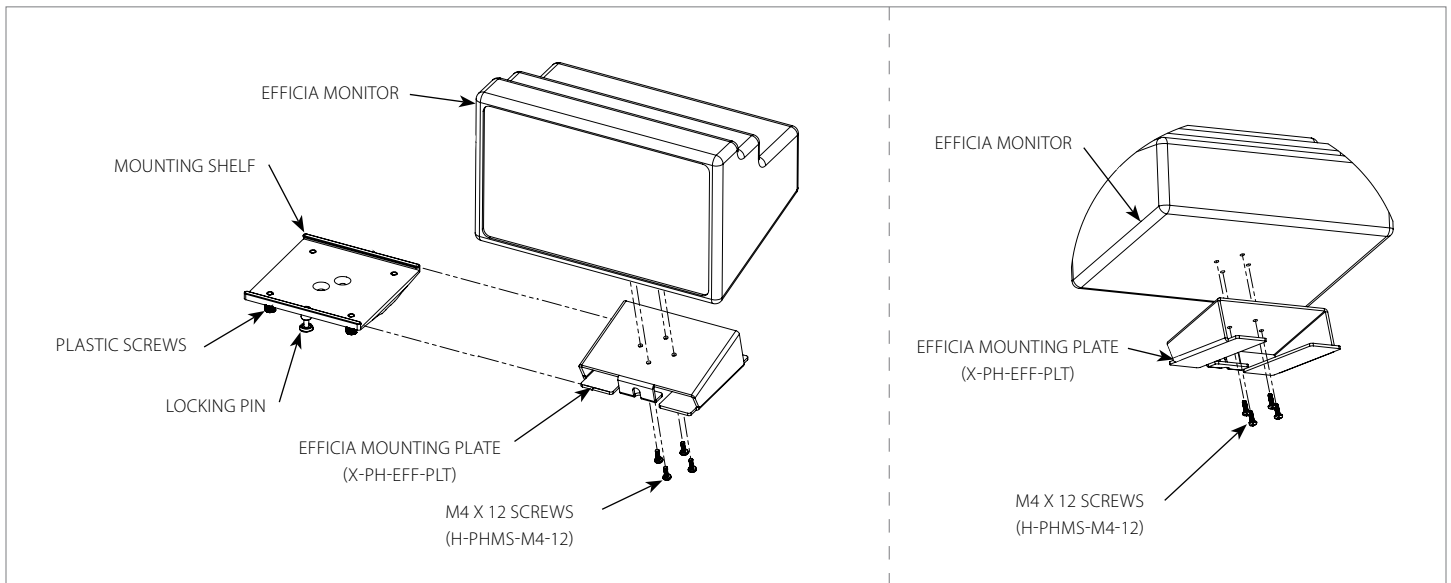


Figure 1

1. First, install the **EFFICIA MOUNTING PLATE** to the **EFFICIA MONITOR** with 4x **M4 SCREWS** (Figure 1).
2. Loosen the 4x **PLASTIC SCREWS** on the bottom side of the **MOUNTING SHELF**. Pull down on the **LOCKING PIN** at the bottom of the **MOUNTING SHELF** and twist it to keep it open. Slide the **EFFICIA MOUNTING PLATE** laterally onto the **MOUNTING SHELF** until the **LOCKING PIN** aligns with the clearance hole at the front of the **EFFICIA MOUNTING PLATE** (Figure 2).
3. Release the **LOCKING PIN** and tighten the **PLASTIC SCREWS** by hand (Figure 3).

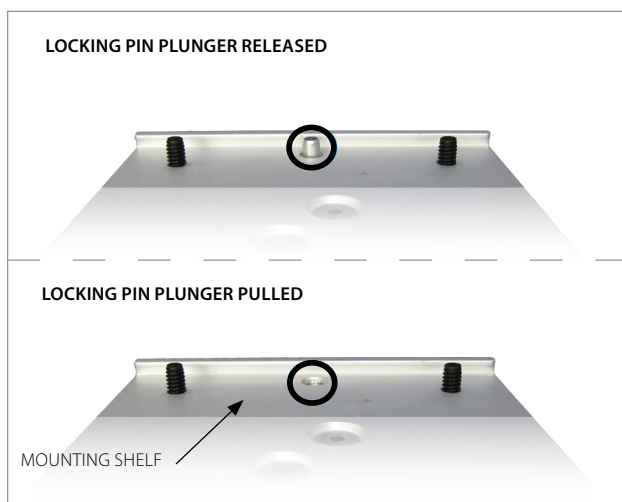


Figure 2

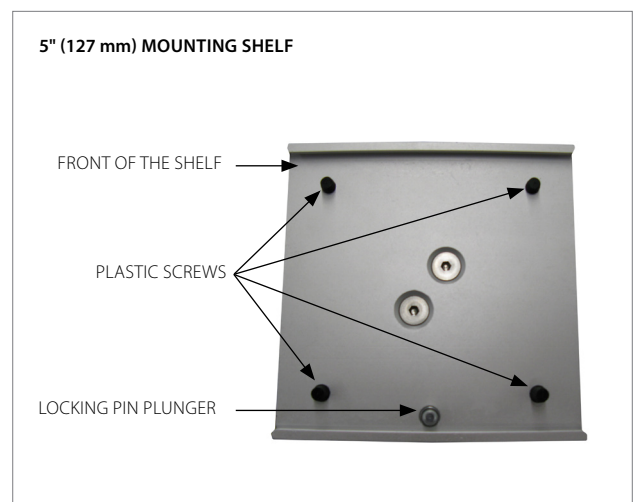


Figure 3

Section 3: Monitor Installation

Philips PM6100/PM6300/PM6500 Series

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

NOTE: THE **LOCKING PIN** CAN BE LOCKED IN THE OPEN POSITION BY PULLING AND TWISTING IT.

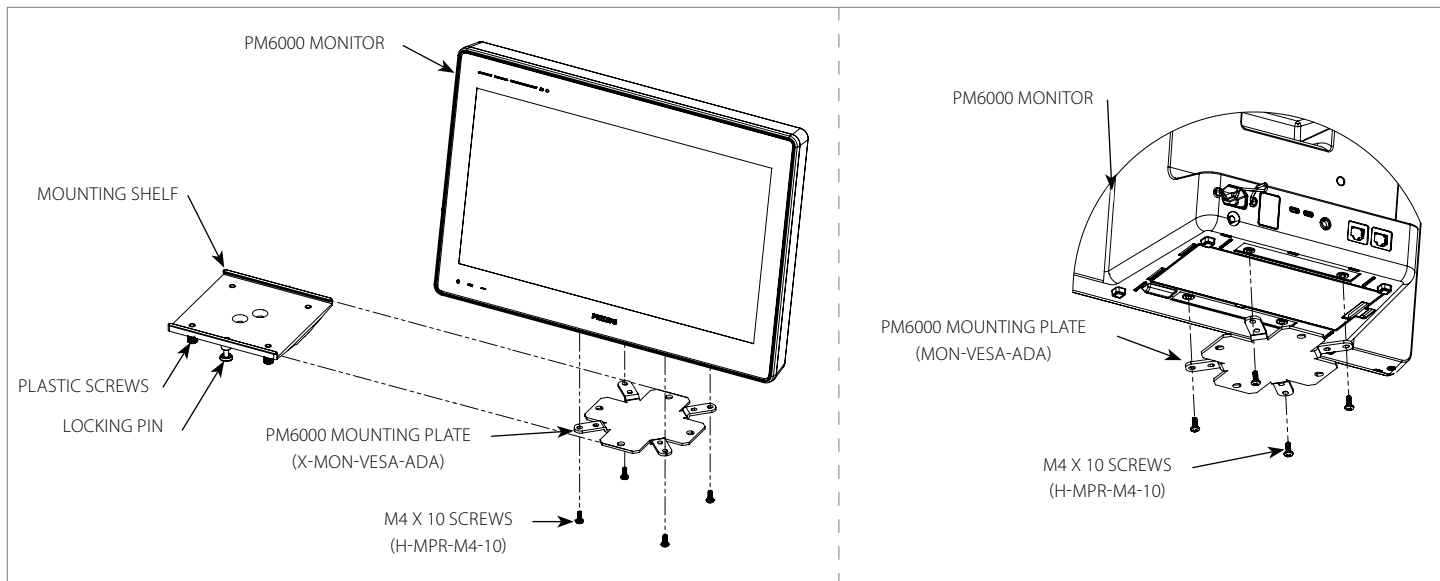


Figure 1

1. First install the **PM6000 MOUNTING PLATE** to the **PM6000 MONITOR** with 4x **M4 SCREWS** (Figure 1).
2. Loosen the 4x **PLASTIC SCREWS** on the bottom side of the **MOUNTING SHELF**. Pull down on the **LOCKING PIN** at the bottom of the **MOUNTING SHELF** and twist it to keep it open. Slide the **PM6000 MOUNTING PLATE** laterally onto the **MOUNTING SHELF** until the **LOCKING PIN** aligns with the clearance hole at the front of the **PM6000 MOUNTING PLATE** (Figure 2).
3. Release the **LOCKING PIN** and tighten the **PLASTIC SCREWS** by hand (Figure 3).

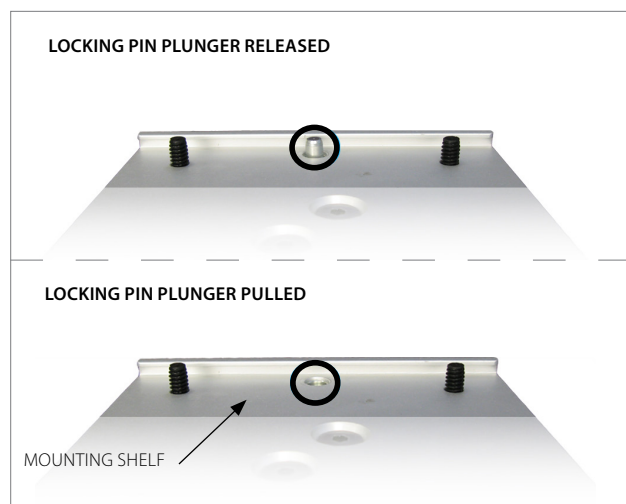


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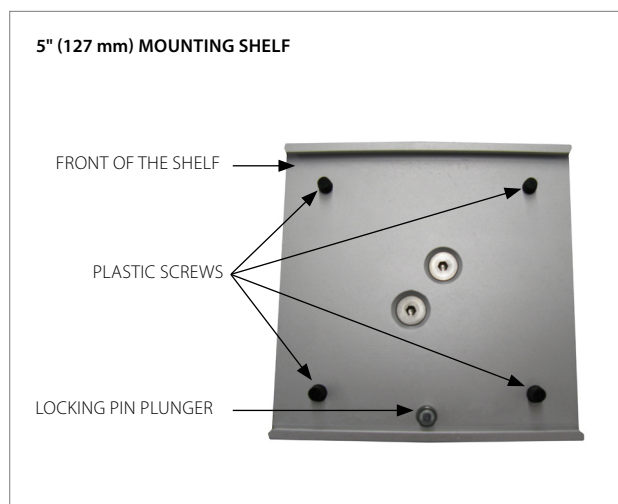


Figure 3

Section 3: Monitor Installation

Monitor Shelf - 5" (127 mm) Back Mount

Philips MX100/IntelliVue X3

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

NOTE: THE **LOCKING PIN** CAN BE LOCKED IN THE OPEN POSITION BY PULLING AND TWISTING IT.

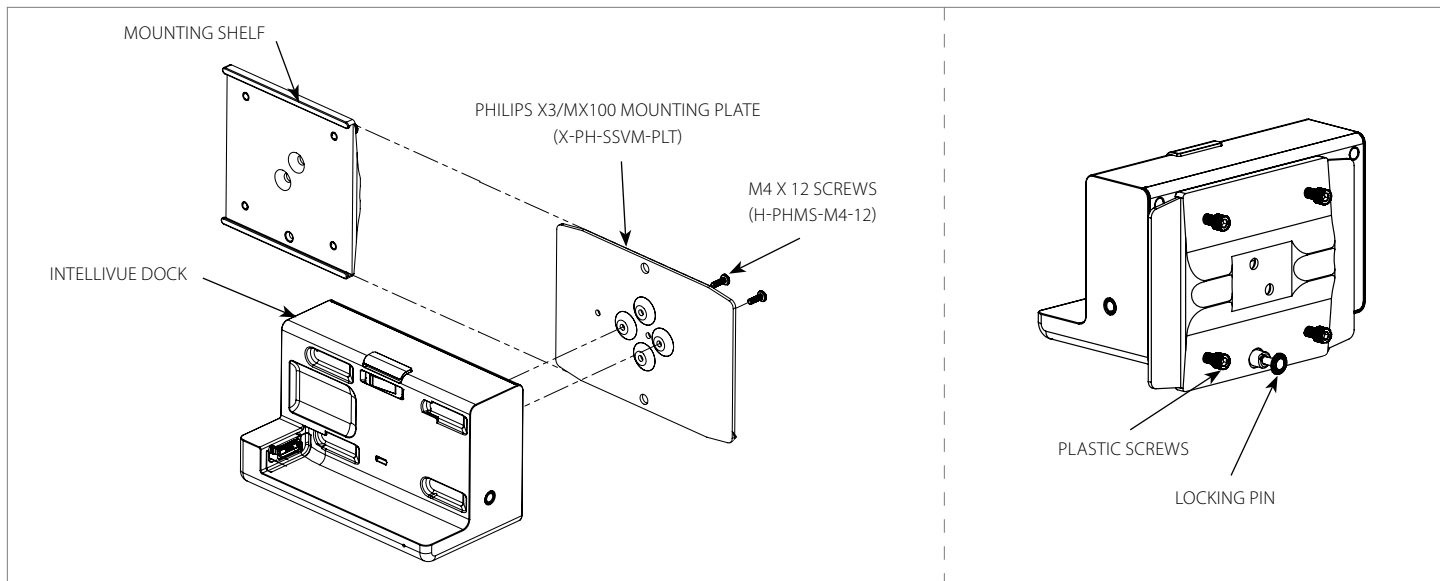


Figure 1

1. First install the **PHILIPS X3/MX100 MOUNTING PLATE** to the **INTELLIVUE DOCK** with 4x **M4 SCREWS** (Figure 1).
2. Loosen the 4x **PLASTIC SCREWS** on the bottom side of the **MOUNTING SHELF**. Pull down on the **LOCKING PIN** at the bottom of the **MOUNTING SHELF** and twist it to keep it open. Slide the **PHILIPS X3/MX100 MOUNTING PLATE** laterally onto the **MOUNTING SHELF** until the **LOCKING PIN** aligns with the clearance hole at the front of the **MX100 MOUNTING PLATE** (Figure 2).
3. Release the **LOCKING PIN** and tighten the **PLASTIC SCREWS** by hand (Figure 3).

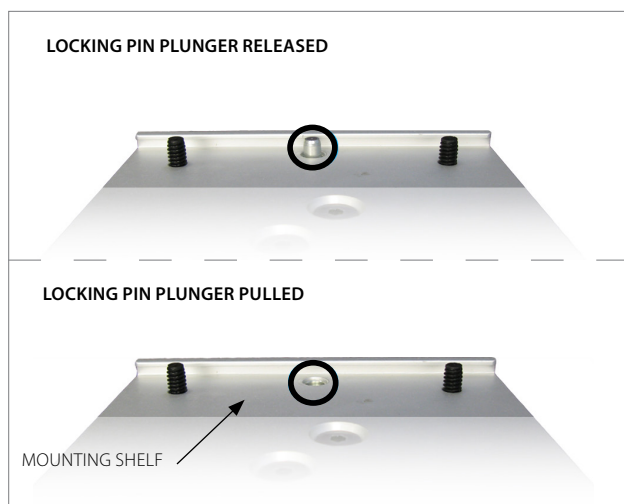


Figure 2

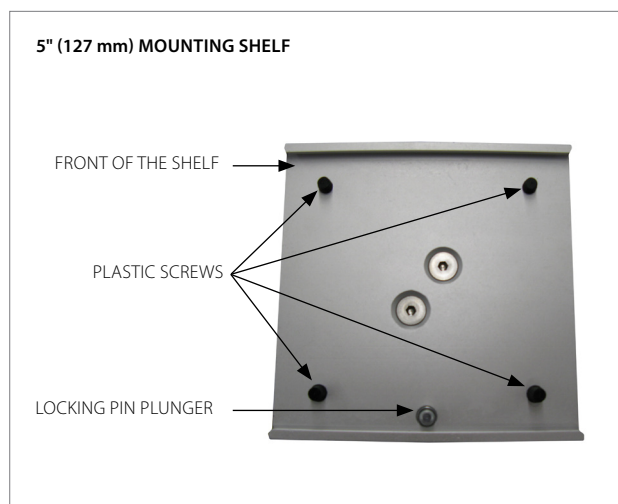


Figure 3

Section 3: Monitor Installation

Monitor Shelf - Philips IntelliVue

MP5/MX400/MX450/MX500/MX550/MX600/MX700/MX750/MX800/MX850

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

NOTE: PHILIPS RECOMMENDS A MAXIMUM TILT OF 15°.

1. Attach the **PHILIPS TABLE TOP MOUNT** (not supplied by Amico) to the **MOUNTING SHELF** by securing the 3x **M6 SCREWS** through the shelf (**Figure 1**).
2. Place the **MONITOR** on the **TABLE TOP MOUNT** until it clicks (**Figure 2**).
3. Tilt the **MONITOR** to the desired angle and lock the position using the **TILT ADJUSTMENT HANDLE** (**Figure 3**).
4. Adjust the tension as needed by tightening the 2x **TILT TENSION SCREWS** using a 1/4" Allen Key (**Figure 4**).

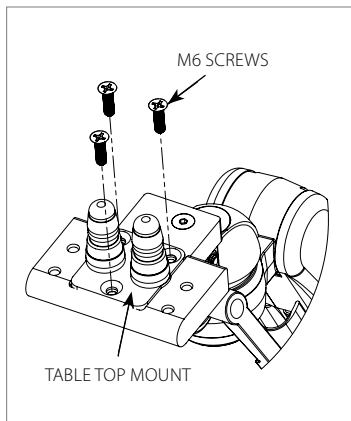


Figure 1

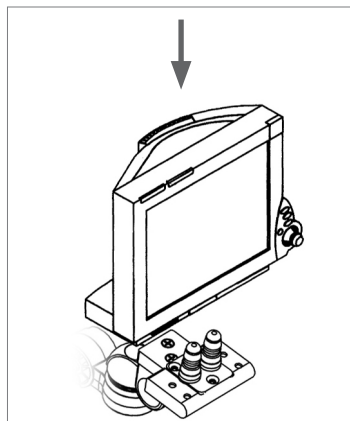


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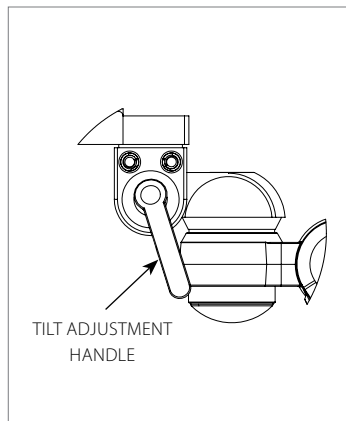


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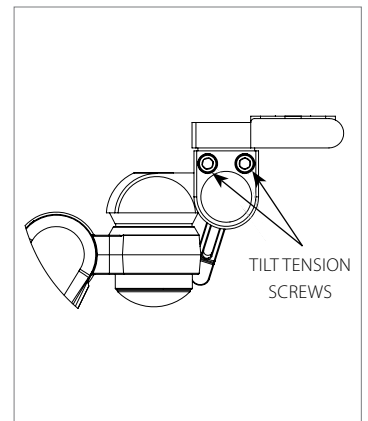


Figure 4

Accessory Shelf - Disc

NOTE: IT IS POSSIBLE TO ATTACH ACCESSORIES TO THE TOP OR BOTTOM SIDE OF THE AHM ARM USING THIS SAME MOUNT (**FIGURE 1**).

NOTE: AMICO ACCESSORIES INC. CARRIES A VARIETY OF DIFFERENT ACCESSORIES THAT ATTACH TO THE HEAD OF THE AHM ARM.

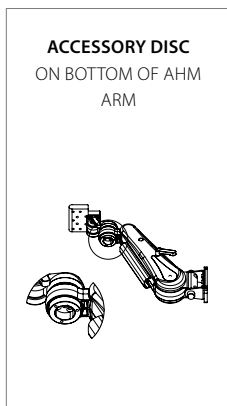


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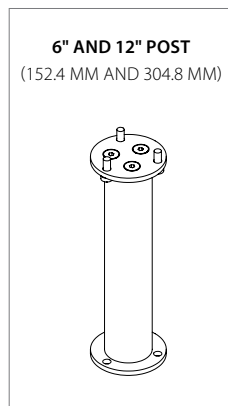


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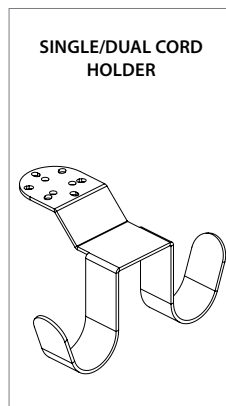


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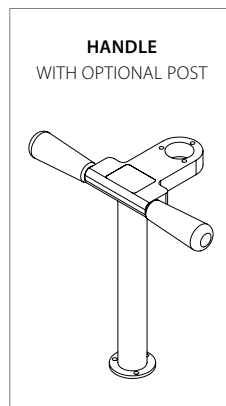


Figure 4

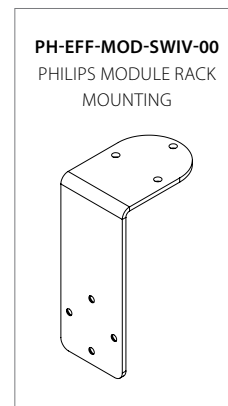


Figure 5

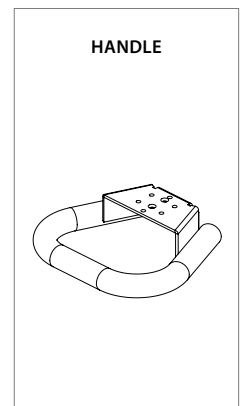


Figure 6

Section 4: Adjustments

Rotation (AHM Side to Side)

WARNING: IN AHM WITH EXTENSIONS, BOTH ARMS HAVE A 180° ROTATION. ENSURE PROPER CLEARANCE AROUND THE ARM(S) TO AVOID COLLISION.

NOTE: IF THE ARM BECOMES DIFFICULT TO ROTATE, OR TOO LOOSE, PLEASE CONTACT AMICO ACCESSORIES INC. 1-877- 264-2697.

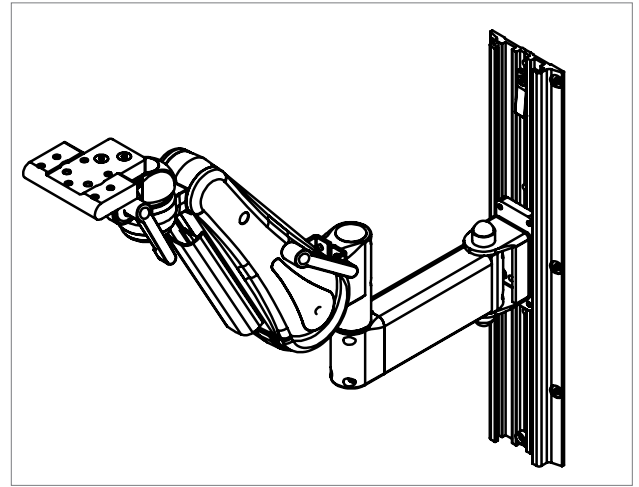


Figure 1

Rotation at the Adapter

To rotate the arm, simply push on the side of the arm or the mounted **MONITOR** in the direction desired (Figure 1).

Rotation at the End of Extension

Applies to AHM Arms with Folding Extensions (AHM 5F, 1F, 3F, 7F).

1. **Rotate at Adapter Joint (near wall):** Push on the side of the **EXTENSION ARM**, near the mid-way point (Figure 2).
2. **Rotate at Extension Joint:** Hold the **EXTENSION ARM** with one hand and push on the side of the AHM Arm with the mounted **MONITOR** in the direction desired (Figure 3).

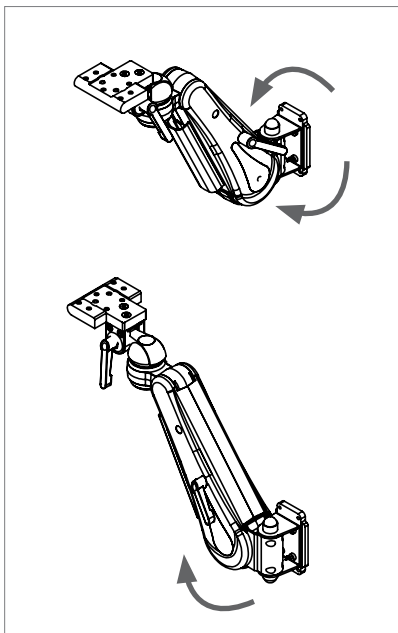


Figure 1

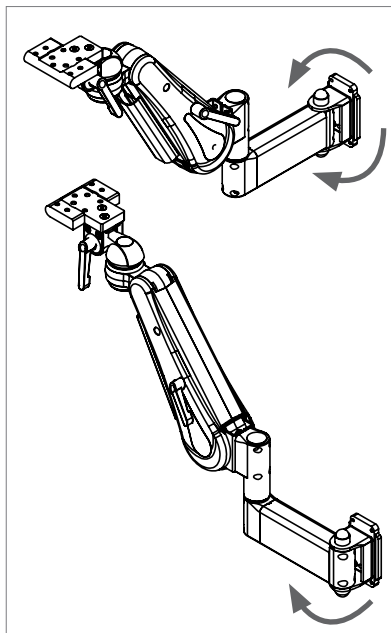


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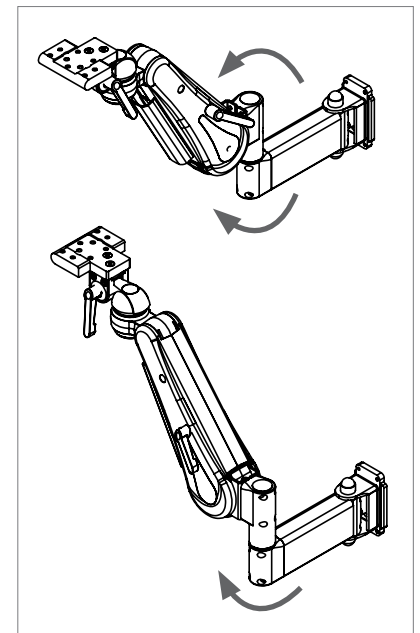


Figure 3

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 DESIRED TENSION IS NOT ACHIEVED WITH 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 ADJUSTMENT LEVER**.
- NOTE:** TILT ANGLE SETTING IS ONLY ACHIEVED BY TIGHTENING THE **TILT ADJUSTMENT LEVER** OR TILT **TENSION SCREWS**. DO NOT TIGHTEN **NUTS** ADJACENT TO THE TILT **ADJUSTMENT LEVER**.

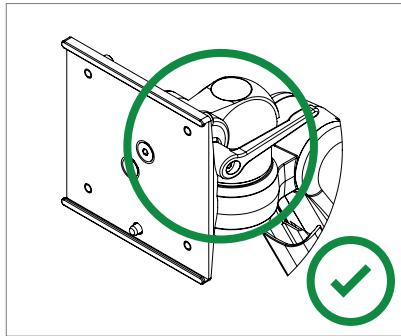


Figure 1

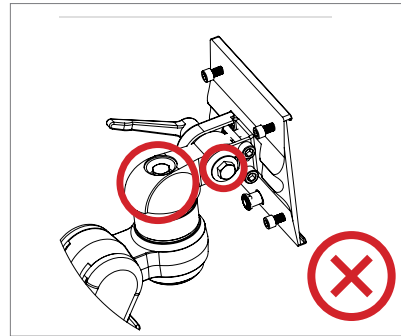


Figure 2

Tools

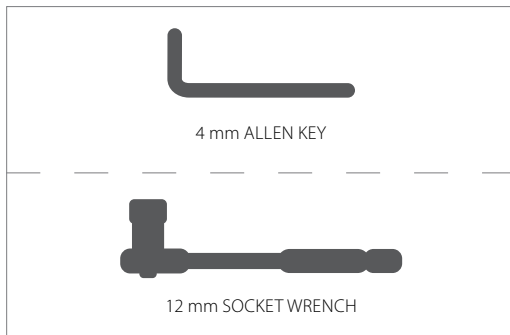


Figure 1

Reference

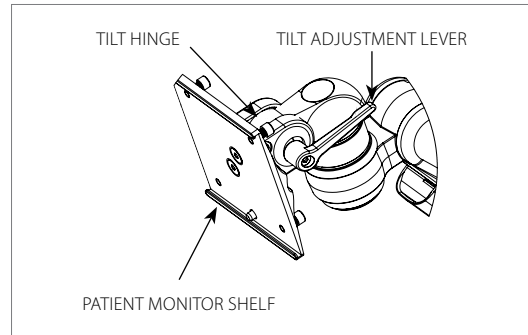


Figure 1

1. To tighten the **TILT HINGE** (in order to set the desired tilt angle), turn the **TILT ADJUSTMENT LEVER** clockwise (turning the **LEVER** counter-clockwise will enable tilt movement).

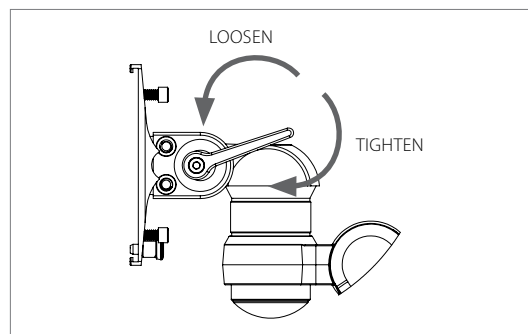


Figure 1

Section 4: Adjustments

2. A sufficient level of tightness may not be achieved by the time the **TILT ADJUSTMENT 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) to create space for the **LEVER** to further tighten. Push the **LEVER** towards the **MON HEAD** (Figure 3) to re-engage the **LEVER**. Repeat Step 1 to further tighten the **TILT HINGE**.

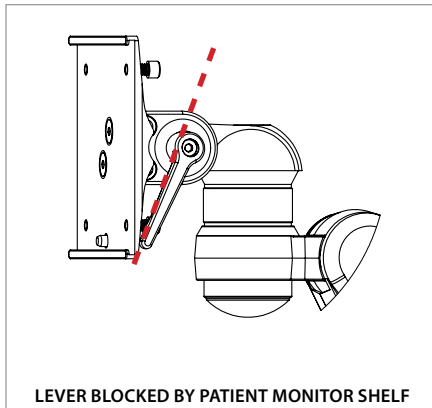


Figure 1

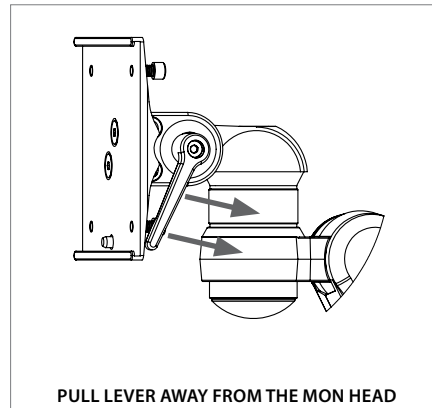


Figure 2

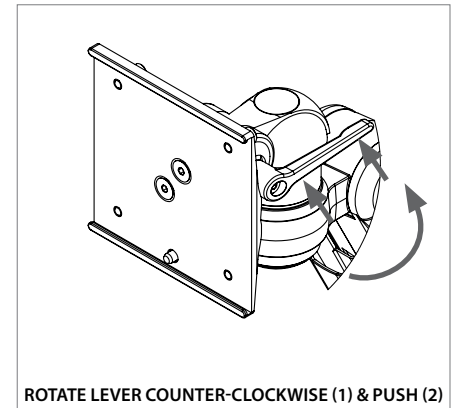


Figure 3

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.

3. If a sufficient level of tightness cannot be achieved, use a 4 mm Allen Key to loosen the **TILT ADJUSTMENT LEVER SCREW** (Figure 4). Remove the **SCREW** and **SPRING** (Figure 5). Remove the **TILT ADJUSTMENT LEVER** to reveal the **12 mm HEX NUT** (Figure 6).

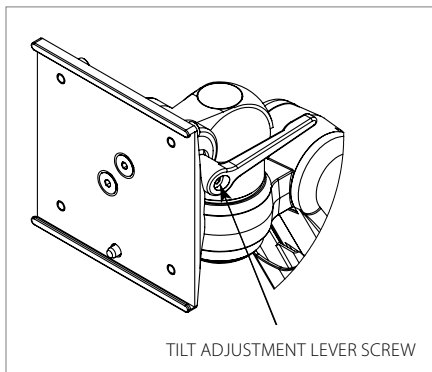


Figure 4

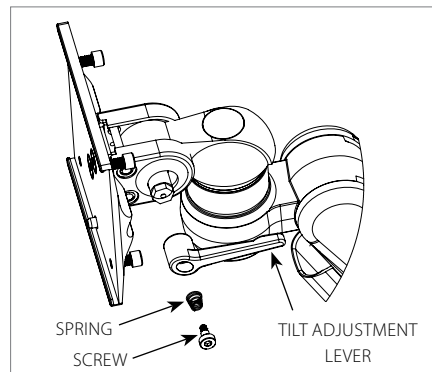


Figure 5

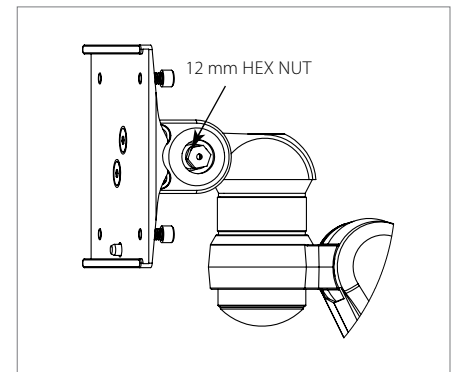


Figure 6

4. Turn the **12 mm HEX NUT** clockwise using the 12 mm Socket Wrench to tighten.
5. Check that the **TILT ANGLE** is secure by grasping the **MOUNTING SHELF** and trying to adjust the tilt.

Section 4: Adjustments

Optional Steps

1. If additional tilt tension is desired, tighten the 2x **TILT TENSION SCREWS** using a 1/4" Allen Key (**Figures 7 & 8**).

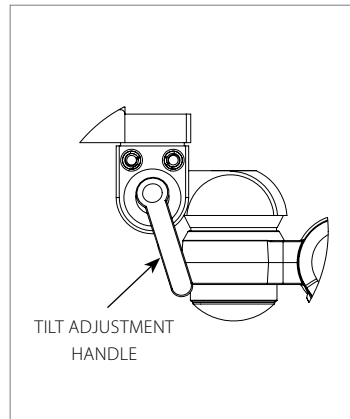


Figure 7

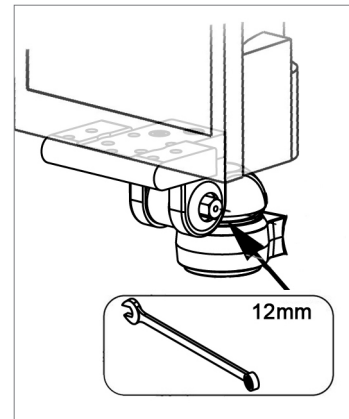


Figure 8

2. Removing the **TILT ADJUSTABLE HANDLE**:

- iii. Using a 4 mm Allen Key (Not provided), Remove the **TILT ADJUSTMENT LEVER SCREW** and **SPRING**.
- iv. Using a 12 mm Socket (not provided) to remove the **12 mm HEX NUT**.
- v. Replace with **M8 LOCK NUT**. Tighten as needed using a 13 mm Socket (not provided), then cover with **CAP** (see below images).

i **NOTE:** RECOMMENDED TORQUE FOR THE **LOCK NUT 20 NM**.

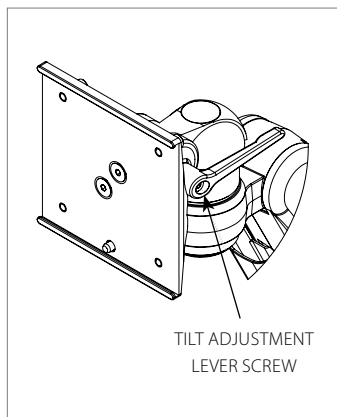


Figure 9

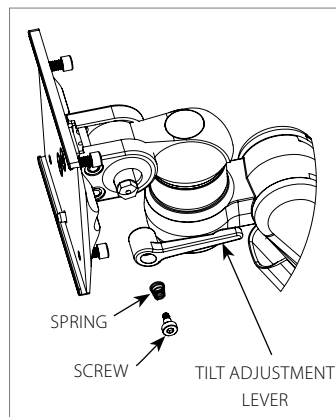


Figure 10

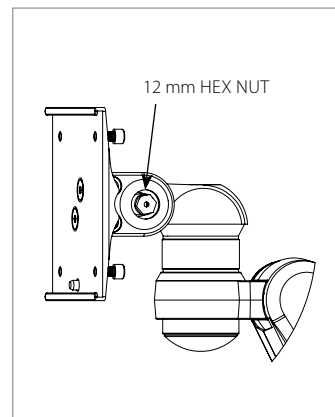


Figure 11

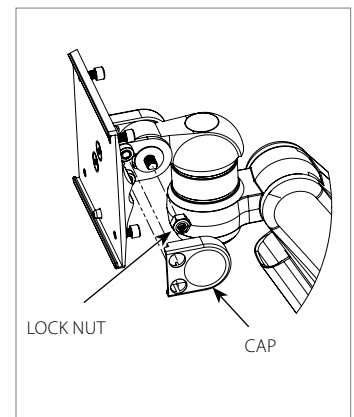


Figure 12

- vi. Verify that the **TILT ANGLE** is secure by grasping the **MOUNTING SHELF** and attempting to adjust the tilt. If movement is detected, tighten the 2x **TILT TENSION SCREWS** to the desired resistance (**Figure 8**).

i **NOTE:** RECOMMENDED TORQUE FOR THE **TILT TENSION SCREWS 7NM**.

Section 4: Adjustments

Rotation (Monitor Head Side to Side)

WARNING: DO NOT ADJUST THE **ROTATION TENSION BOLT**, DOING SO WILL DISASSEMBLE THE ARM. IF THERE ARE ANY PROBLEMS ASSOCIATED WITH THE **MONITOR HEAD**, PLEASE REFER TO THE TROUBLESHOOTING SECTION ON PAGE 22, OR CONTACT AMICO ACCESSORIES INC. AT 1-877-264-2697.

1. The mounted device rotates at the front of the arm. To rotate the device, push the corners of the device or the head while holding the AHM in place (**Figure 1**).

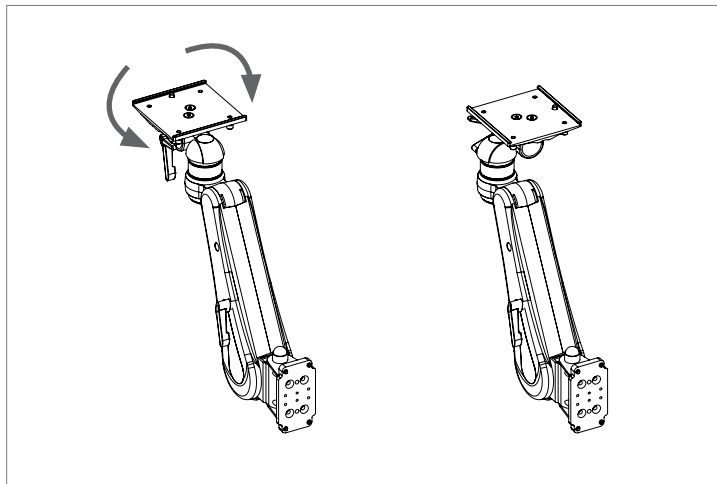


Figure 1

Height Locking Lever Adjustments

NOTE: THE **HEIGHT LOCKING LEVER** IS DESIGNED TO STOP ALL VERTICAL MOVEMENT OF THE **AHM ARM** WHEN IT IS IN USE. LOOSEN THE **LEVER** TO ADJUST THE **AHM ARM** VERTICALLY, AND TIGHTEN WHEN FINISHED TO LOCK THE **AHM ARM**.

1. Turn the **HEIGHT LOCKING LEVER** clockwise to lock vertical movement, or turn the **LEVER** counter-clockwise to release the vertical lock. Check to make sure the arm is locked in its highest position before mounting the arm into the channel (refer to page 7).



Figure 1

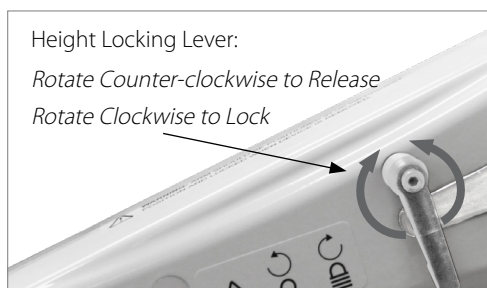


Figure 2

Section 4: Adjustments

Counter Balance

NOTE: DO NOT OVER ROTATE THE **COUNTER BALANCE BOLT**. ONCE YOU FEEL A RESISTANCE, STOP COUNTER BALANCING. FORCING THE BOLT WILL DAMAGE THE INTERNALS OF THE **AHM ARM** AND VOID THE WARRANTY.

WARNING: KICK BACK MOTION: WHEN THE ARM IS LOCKED AND NOT IN THE HIGHEST POSITION, IT IS CAPABLE OF RAPIDLY LIFTING TO THE HIGHEST POSITION ONCE THE **LOCKING LEVER** IS RELEASED. THIS CAN CAUSE INJURY TO PERSON(S) IF THEY DON'T SUPPORT THE ARM WITH THEIR HANDS ONCE THE **LEVER** IS RELEASED (**FIGURE 1 ON THE NEXT PAGE**).

WARNING: ONLY REMOVE **MONITOR** FROM **AHM ARM** WHEN ARM IS IN TOP POSITION.

WARNING: THE **HEIGHT LOCKING LEVER** RESTRICTS THE MOTION OF THE **AHM ARM** WHEN IT IS IN LOCKED POSITION. BEFORE COUNTER BALANCING WITH THE **MONITOR** ALREADY INSTALLED, ENSURE THE **HEIGHT LOCKING LEVER** IS RELEASED AND THE ARM IS MOBILE. FAILURE TO DO SO MAY RESULT IN DAMAGE TO THE ARM.



1. Once the **MONITOR** is securely installed, release the **HEIGHT LOCKING LEVER** and position the **AHM ARM** to align the opening in the cover with the **COUNTER BALANCE BOLT**. Tighten the **HEIGHT LOCKING LEVER** again to lock the **AHM ARM** (**Figure 1**).
2. To adjust for heavier loads, tighten the **COUNTER BALANCE BOLT** clockwise. To adjust for lighter loads, tighten the **COUNTER BALANCE BOLT** counter-clockwise (**Figure 1**).
3. Release the **HEIGHT LOCKING LEVER**. If the **AHM ARM** has been correctly balanced then it will maintain the position it is left at. Performing height adjustment should require equal amount of force to lift/lower the **AHM ARM**'s position. Ensure the arm is balanced from the lowest to the highest position by checking in various positions and tighten the **HEIGHT LOCKING LEVER** with the arm at the desired position.
4. If the arm is not balanced correctly, please go back to Step 2 and repeat. To avoid the kick back motion, the Counter Balance can be set to a "fail safe mode" (see next page).

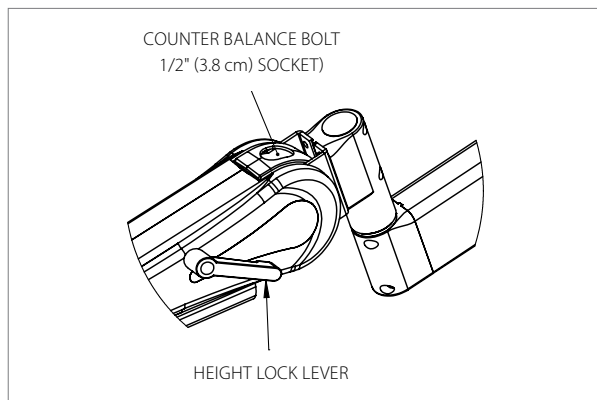


Figure 1

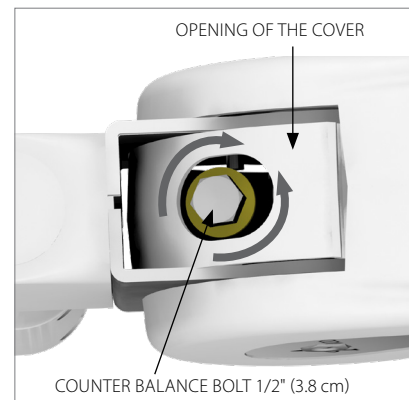


Figure 2

Section 4: Adjustments

Counter Balance - Fail Safe Mode (Recommended Applications Where no Possibility of Kick Back is Desired)

-  **WARNING:** PLEASE WATCH OUT FOR KICK BACK MOTION OF THE *AHM ARM* WHEN RELEASING THE *LOCKING LEVER*.
-  **WARNING:** ONLY REMOVE *MONITOR* FROM *AHM ARM* WHEN ARM IS IN TOP POSITION.
-  **NOTE:** FAIL SAFE MODE IS SET BY COUNTER BALANCING THE *AHM ARM* WITHOUT THE WEIGHT OF THE *MONITOR*. IN FAIL SAFE MODE IT WILL BE HARDER TO ADJUST THE *AHM ARM* VERTICALLY WITH THE LOAD.



1. Slide out the *MONITOR* and the *ADAPTER PLATE* from the *AHM ARM* (see page 13).
2. Release the *LOCKING LEVER* and position the *AHM ARM* to align the opening in the cover to the *COUNTER BALANCE BOLT*. Tighten the *HEIGHT LOCKING LEVER* again to lock the *AHM ARM*.
3. To adjust for no load, tighten the *COUNTER BALANCE BOLT* counter-clockwise.
4. Release the *HEIGHT LOCKING LEVER*. If the *AHM ARM* has been correctly balanced, the arm will maintain the position it is left at. Ensure the arm is balanced from the lowest to the highest position.
5. When the balancing is complete, place the *MONITOR* and the *ADAPTER* back on the *AHM ARM*.
6. The *AHM ARM* can now be adjusted to the desired height and locked in place using the *HEIGHT LOCKING LEVER*.



Figure 1

Section 4: Adjustments

Cable Management - AHM Arm

- i NOTE:** A **CABLE GUIDE** IS PROVIDED TO FACILITATE ROUTING OF CABLES ALONG THE BOTTOM OF THE ARM.
- i NOTE:** LONGER **CABLE GUIDES** ARE PROVIDED FOR ARMS WITH EXTENSIONS. GUIDES ALSO SNAP INTO **GROOVES** ON THE BOTTOM OF EXTENSION ARMS.

1. Squeeze the **CABLE COVER** until its edges snap into the bottom surface **GROOVES** of the arm. Leave some slack in the cables at the front and rear of the arm to prevent cable binding, connector damage, or **CABLE GUIDE** damage (**Figures 1-3**).

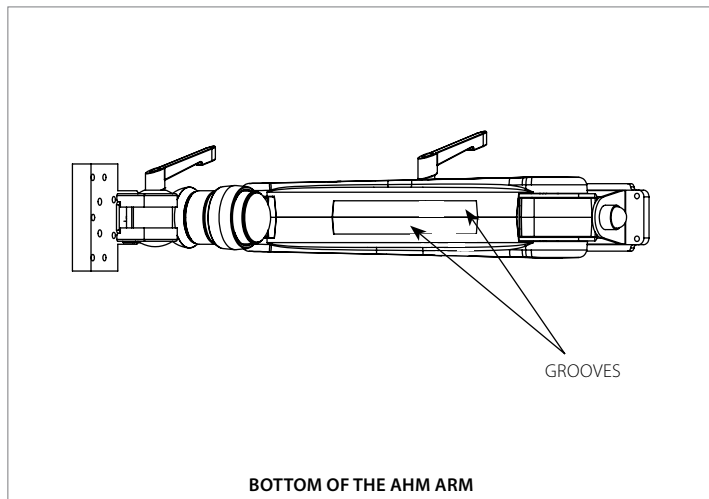


Figure 1

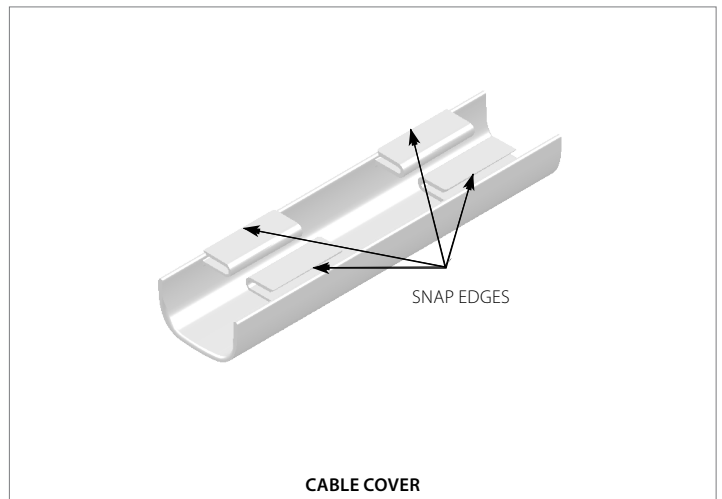


Figure 2

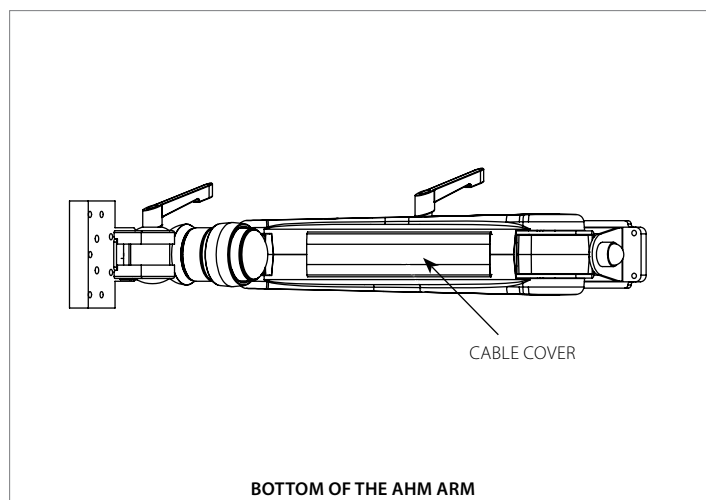


Figure 3

Section 4: Adjustments

Unsynchronized Rotation - Head & Accessory Disk

⚠ WARNING: ENSURE ALL DEVICES ARE REMOVED FROM THE ARM AND THE ARM IS LOCKED IN HORIZONTAL POSITION TO PREVENT THE ARM FROM THE RAPID LIFTING (KICK BACK).

1. Remove the bottom **CAP** and top **LABEL** to access the **LOCK NUT** and **BOLT**. Using a 1/2" Socket Wrench and uninstall the **MONITOR HEAD**.
2. To allow the **MONITOR HEAD** and **ACCESSORY DISK** to rotate independently, remove the **#10-32 SCREW** from the **MONITOR HEAD** (Figure 1). Reinstall the **MONITOR HEAD** assembly using the 1/2" Socket Wrench.

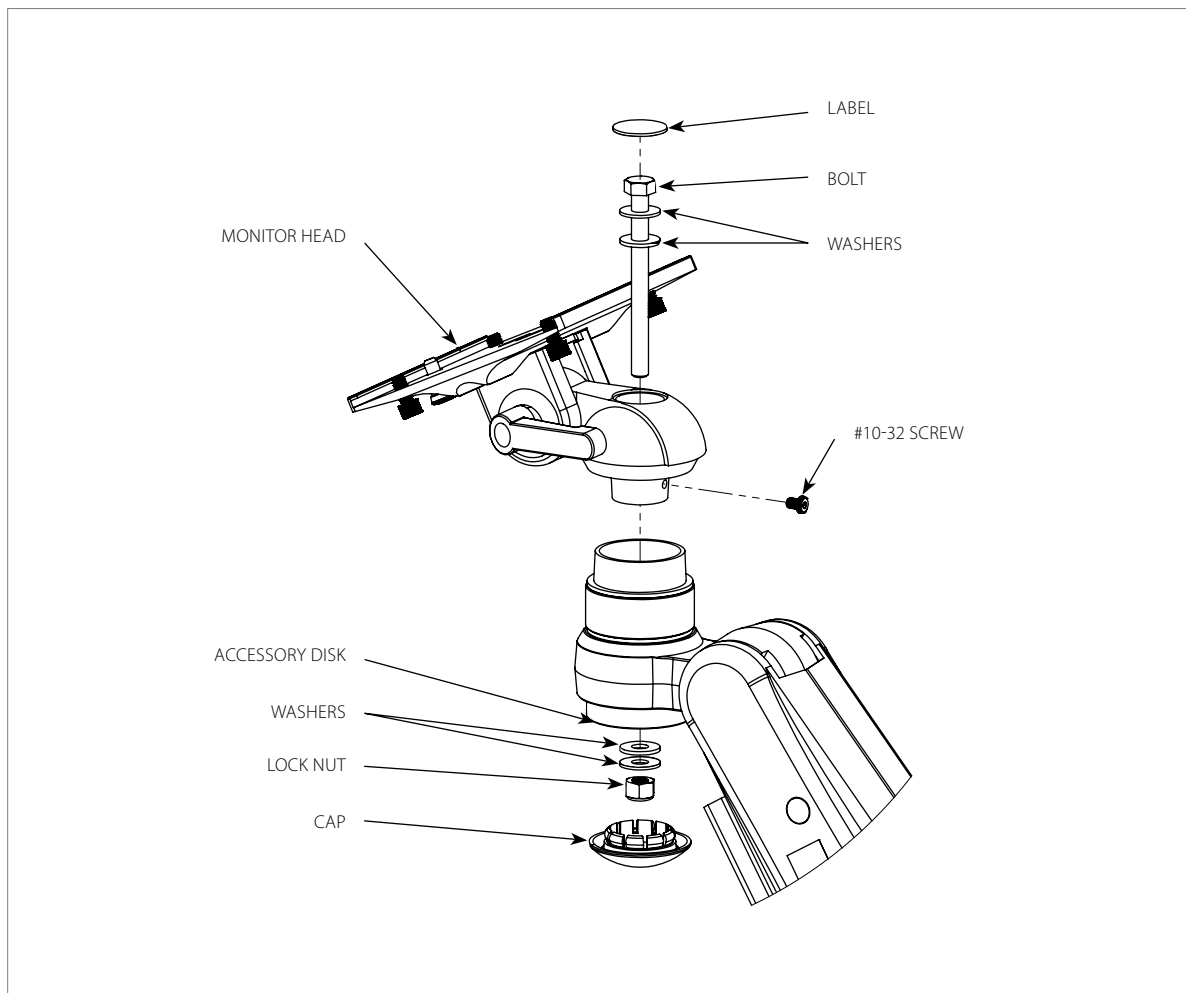


Figure 1

Section 5: Troubleshooting, Preventative Maintenance, & Cleaning

Preventive Maintenance

The *AHM ARM* requires period inspection and maintenance to perform optimally and achieve it's maximum operating life.

Then following schedule is a recommendation and is not a strict schedule. Maintenance schedule should be adjusted based on the usage of the *AHM ARM*. Heavier usage may require more frequent maintenance.

Please be sure to thoroughly check the areas illustrated below for the AHM Arm:

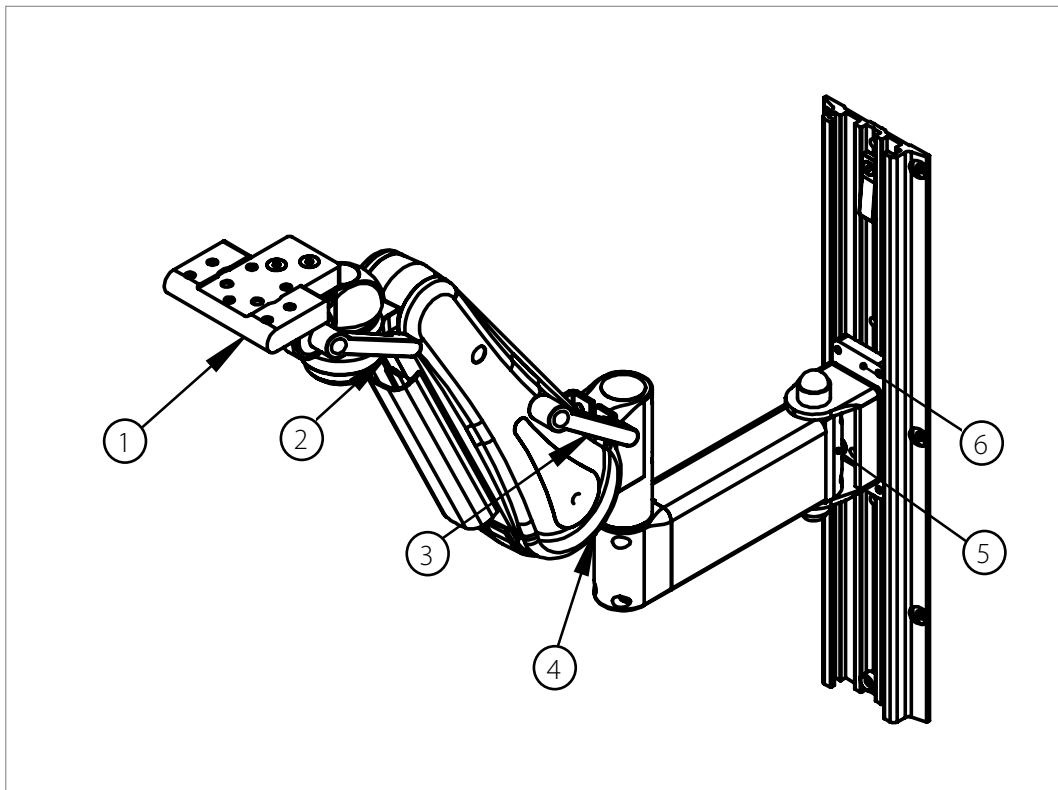
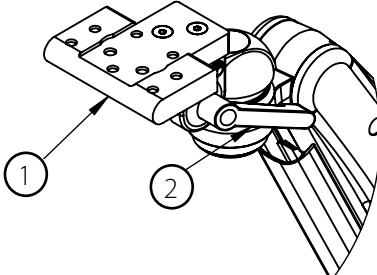
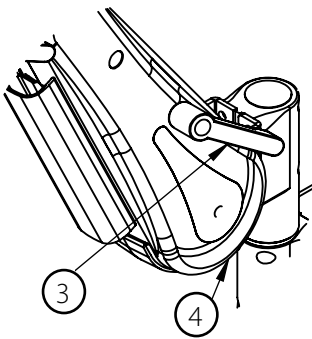
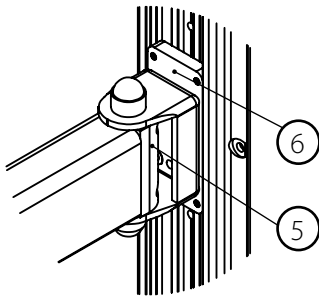


Figure 1

Section 5: Troubleshooting, Preventative Maintenance, & Cleaning

Area	Maintenance	Period (Month)
	Area 1: Monitor Mounting Adapter A) Check if the Adapter Plate and the Monitor are securely attached. - Mounting Shelves (AHM-XX [0, 6]) - Ensure the Screws are tight. Ensure the Plunger is securely holding the Adapter. - Philips (AHM-XX3) - Ensure studs are securely holding the Monitor. B) Visually inspect for any signs of grinding and gapping.	A) 3 B) 6
	Area 2: Monitor Head A) Ensure the Tilt Adjustment Lever is tight and secure. Also check if the Plastic Cover is attached firmly. Tightening will be required after prolonged use. B) Inspect the Bolt, Washers, and contacting surfaces for grinding and wearing. Ensure the Bolt is tight. Checked by rotating head – adjustment should have some tension and not turn loosely. C) Check for any signs of gapping between the bushing and the head. Also ensure the head of the AHM is horizontal and is secure.	A) 3 B) 6 C) 6
	Area 3: Height Adjustment Lever Ensure the Adjustment Lever is tight and secure. Also inspect visually for any signs of impact or wear on the outside surface of the AHM Arm.	3
	Area 4: AHM Arm Visually inspect for any grinding or gapping of the contacting surfaces. Check for any fluid leakage from the Gas Spring.	3
	Area 5: Mounting Adapter – Pivot Joint Ensure all the screws are tight. Inspect for any signs of grinding, bending, and gapping, and ensure the AHM Arm is tightly attached to the swivel block.	6
	Area 6: Mounting Adapter/MRS Rail Inspect visually for any gapping between the bracket and the Adapter Plate. Ensure the bracket is tightly attached to the adapter plate. Adapter - Ensure the screws are tight.	6

Section 5: Troubleshooting, Preventative Maintenance, & Cleaning

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 14-16) 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 Mounting" section of the manual (see page 8-12 depending on applications).
Too easy or too difficult to turn the Monitor left and right.	- Excessively loosened or tightened hardware. - Damaged hardware.	Please see "Rotation: Monitor Head" section of the manual (see page 17).
- AHM Arm lifts up too rapidly without the Monitor. - AHM Arm is too difficult to maneuver with the Monitor. - AHM Arm falls down to the lowest position on its own with the Monitor.	- Counter balance is not balanced properly. - Height Locking Lever is not tighten properly.	Please see "Counter Balance" section of the manual (see page 17-18).
The AHM Arm is not secure and is rocking slightly.	Loosened/damaged hardware.	Perform a preventive maintenance or please contact Amico Accessories Inc.
The Head of the AHM is not horizontal and is not secure.	Damaged Head.	Head of the AHM needs to be replaced. Please contact Amico Accessories Inc.
Oil is leaking from the Gas Spring.	Damaged Gas Spring.	Gas Spring needs to be replaced. Please contact Amico Accessories Inc.
AHM Arm moves up and down with difficulty.	Height lock is not released.	Loosen the Height Locking Lever.
Popping sound when moving the AHM Arm up and down.	Damaged Gas Bracket.	Please contact Amico Accessories Inc.
- Length of the Extension Arm is at an angle. - Extension Arm is not secure or it is rocking slightly.	- Damaged Extension Arm. - Weight of the Monitor exceeds the load rating.	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, Preventative Maintenance, & Cleaning

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: 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 – approved cleaning agents are represented by a check mark and unapproved cleaning agents are represented by an 'X' in the table shown below. 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.

Material with Surface Finish (Part number)	Diversey Virex 256 II	Clorox healthcare Hydrogen Peroxide (H2O2 1.4 % w/w)	Clorox Healthcare Bleach Wipes (Bleach 0.55 % w/w)	Diversey Accel TB	CaviCide/CaviWipes	Isopropyl Alcohol Swabs/Pads (70 %)	PDI Super Sani-cloth	Virex TB RTU	Sodium Hypochlorite, bleach	Oxivir® Tb	Mikrocid Sensitive Wipes	Bacillol 30	Clinell Universal Sanitizing Wipes	Descosept Pur
Powder Coated A380 Aluminum (AHM Arm, Extension Arm)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6061 T6 Aluminum (Monitor Mounting Adapter)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓
6063 T5 Aluminum (MRS Rail)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓
ABS (Cable Management)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PVC (MRS Rail Covers)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Nylon (Part of Counter Balance)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Labels	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Chrome Plated Parts (Height Locking Lever, Tilt Adjustment Lever)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

NOTE: REFER TO PAGE 6 FOR AHM ARM PART REFERENCES.



Acetone

No Acetone

Acetone is a colorless, mobile, flammable liquid



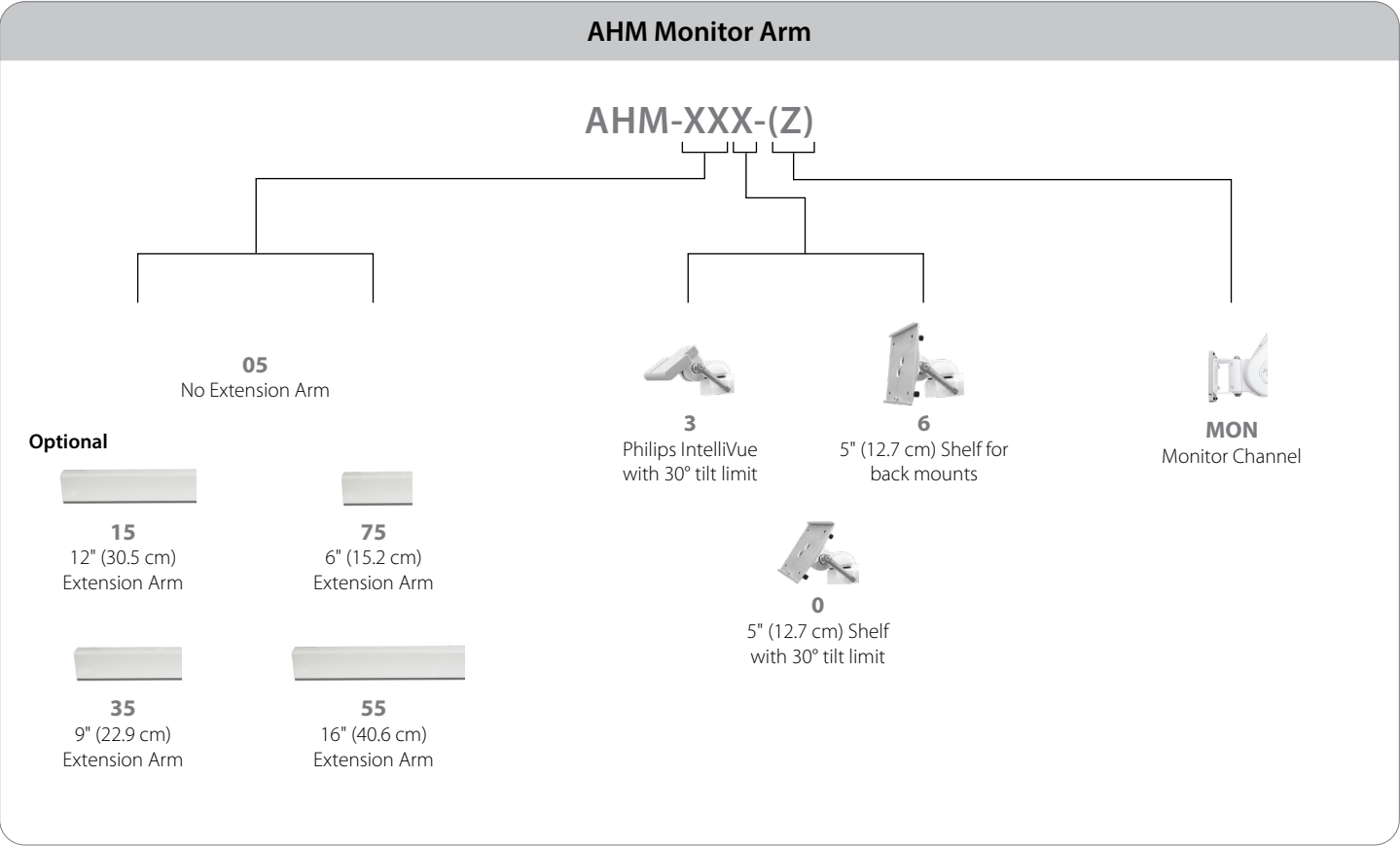
Trichloroethylene

No Trichloroethylene

Trichloroethylene is a chlorinated hydrocarbon commonly used as an industrial solvent

Section 6: Product Classification

Part Number Matrix



Section 7: Certification & Compliance

The Amico Adjustable Height Arm (AHM) complies and conforms with the following standards, regulations and directives:

CE: Union Harmonization Legislation: Low Voltage Directive 2014/35/EU

RoHS (EU Directive 2011/65/EU as amended by Directive 2015/863)

EU REACH Regulation (Registration, Evaluation, Authorization, and Restriction of Chemicals, EC No 1907/2006)

CAN/CSA-C22.2 No. 60601-1:2014 excluding electromagnetic compatibility (clause 17) and ANSI/AAMI ES60601-1:2005/A1:2012-08 excluding electromagnetic compatibility (clause 17) – **Certification No. U8 098792 0002 Rev.00**

Medical Electrical Equipment – Part 1-2: IEC 60601-1-2:2014 4th edition

California PROP65

ISTA 3A:2018 – Packaged-Products for Parcel Delivery System Shipment

Section 8: Warranty Policy

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.

Notes

Notes

Notes

www.amico.com

Amico Accessories Inc. | 122 East Beaver Creek Road, Richmond Hill, ON L4B 1G6, Canada
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Email: info@amico-accessories.com | www.amico.com