

Mounts by

A division of David Engineering & Mfg. Inc.

Model

AWM175 ARTICULATING WALL MOUNT INSTRUCTIONS

Thank you for purchasing the **PDR** mount.

To ensure the correct usage, please read and follow the instructions manual thoroughly. Please store the instructions in a safe place for future reference.

All PDR mounts and adapters carry a limited lifetime warranty against defects in material and workmanship. We are not liable for improper installation that results in damage to mounts, adapters or presentation equipment.

To register visit our web site @ www.pdrmounts.com

Special techniques are necessary for installation of the panel display mount.

- Do not attempt to perform this work by yourself.
- Request an installation specialist to install this unit.
- Manufacturer assumes absolutely no responsibility for injuries and damages that may occur due to improper installation and handling.
- Please remember that if you remove the panel display from the wall later, you will find the screw holes and anchor bolts for the mounting unit left on the wall. Also note that long use of the panel display may discolor the wall around it due to its heat and airflow.

To ensure customer safety, be sure to decide the installation location so that the strength is sufficient to withstand the weight of both the panel display and the wall mount.

Always use at least two persons for all installations.

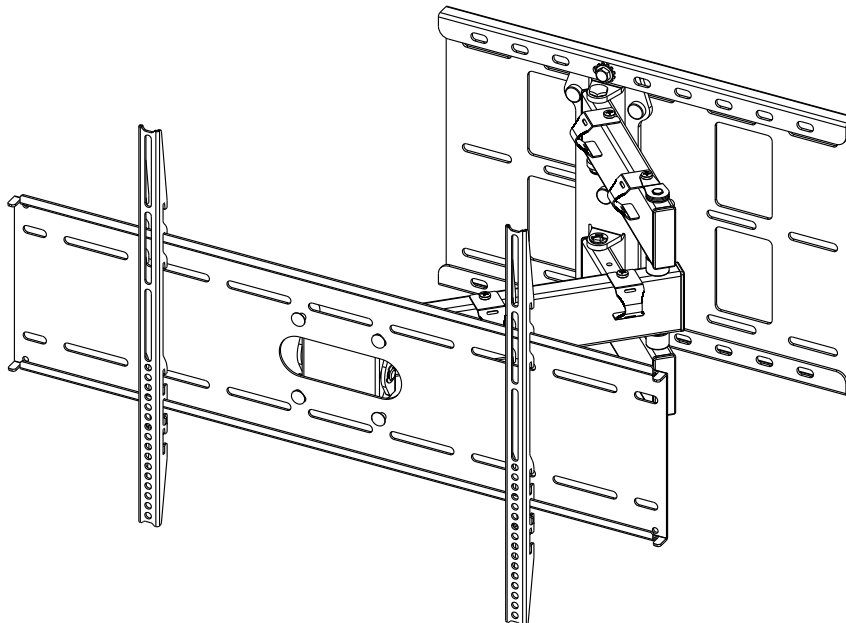
Fully tighten all of the mounting screws as specified in the installation instructions.

Features

Features:

- ✓ Simple to adjust
- ✓ Used with PDM110 THN panel display mount (included)
- ✓ 175 lb load rating (37" to 60" TV max recommended)
- ✓ Rugged heavy gauge metal construction
- ✓ Tension adjustment on all joints "ANTI-CREEP TENSION ADJUSTMENT"
- ✓ Tough powder-coated "Matte Black" finish
- ✓ Extends 26.5" from wall and closes to 3.47"
- ✓ Pivots left or right tilts up 5 deg, down 15deg , and +-1deg fine horizontal adjustment
- ✓ Cable management included
- ✓ Limited lifetime manufacturer warranty on defects in material or workmanship
- ✓ Made in the USA

Fig 1





WARNING



The wall where the wall mount is to be installed must be capable of long-term support of the total load of the panel display and wall mount. Measures should also be taken to ensure sufficient strength to withstand the force of earthquakes, vibration and other external forces.

Note: Incorrect installation can cause the panel display to fall and cause injury.

Total load (panel display + mount)
MAXIMUM WEIGHT - 175 Lbs. (80 Kg.)



INSTALLATION ON A WOODEN WALL

Always install so that the load is supported by a wood stud. If the strength of the wood studs is not sufficient, add reinforcement.

Do not install on decorative posts or plaster board.

Always confirm the center of the stud is used for the installation.



CAUTION

- Avoid installing in locations where the temperature and humidity are excessively high, and where contact with any water is possible. These can result in fire or electric shock.
- Do not install close to an air conditioner intake or outlet. Do not install in locations where there are excessive amounts of dust, oily smoke or tobacco smoke. Fire could result.
- Do not block the ventilation holes. Leave sufficient clearance in regard to the surroundings to avoid blocking the ventilation. The internal temperature could elevate and possibly result in fire. Install the panel (4") or more away from surroundings.
- Install only on a vertical surface. Avoid sloped surfaces. Also, do not install facing upward. The internal temperature could elevate and possibly result in fire. Injury or damage could also result from falling.
- Do not install in locations where there is excessive vibration or impact. Injury and damage could result from the panel display falling.
- Do not install where there is direct sunlight or other strong light. Strong light could result in eye fatigue during usage.

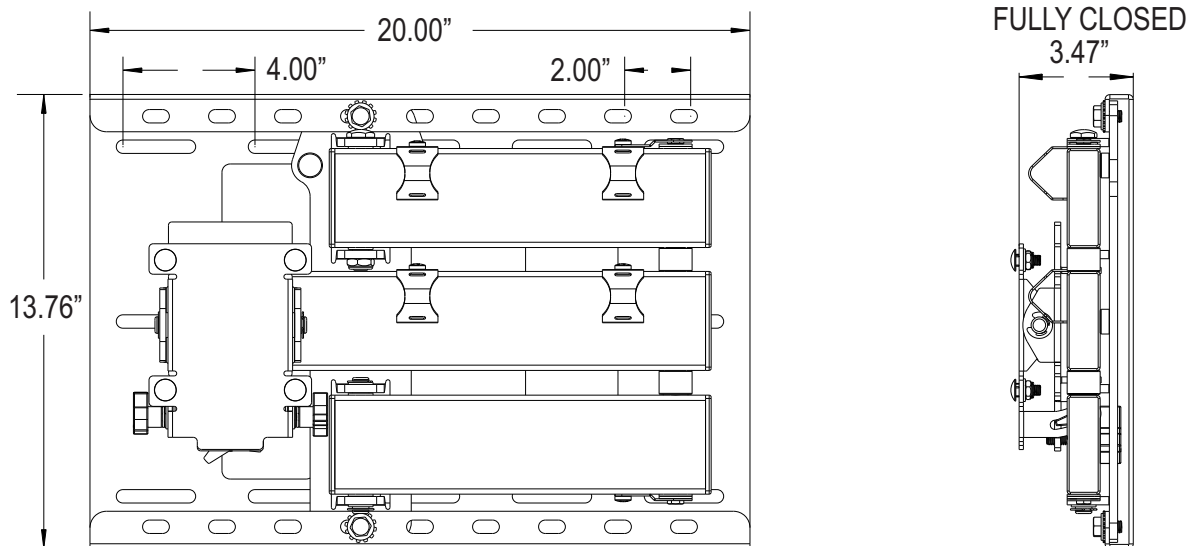
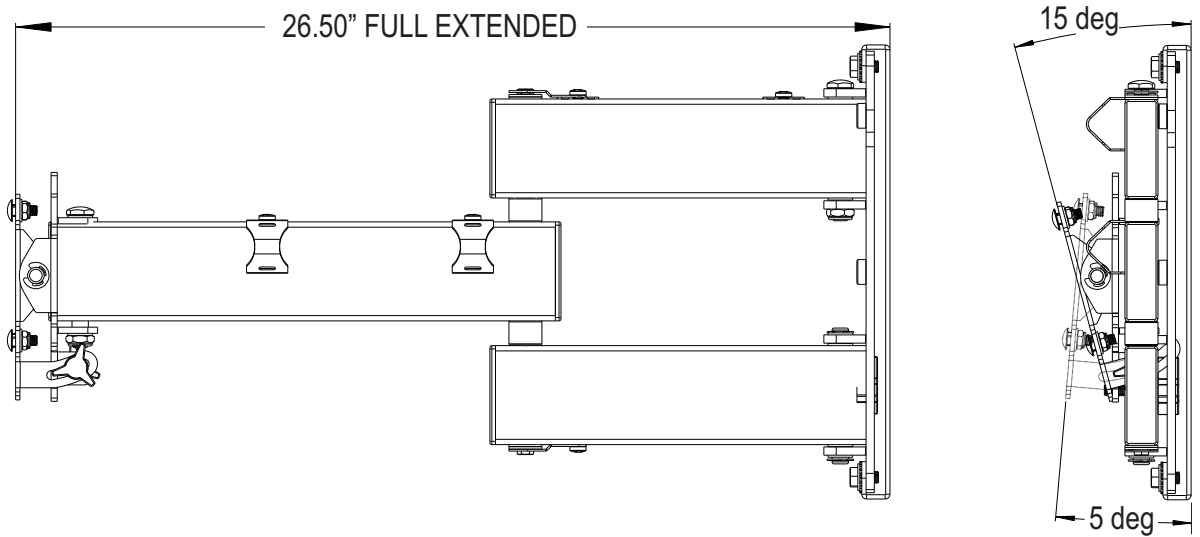


WARNING

- Use the specified bolts and screws in the specified places and tighten firmly. Failure to do this could cause injury if the panel display falls.
- Do not alter any of the parts. Do not use broken parts. This could result with injury due to the panel display falling.
- Make sure that both hooks from each pivot bracket engage with the wall bracket . Failure to do so could cause the panel display to fall.
- Always use at least two people to perform the installation work. Injury could result from dropping heavy objects.

Caution: Installation of unit is to be carried out by qualified technicians only. Install in an appropriate location by checking the wall structure and durability for safety and accident prevention.

DRAWING SPECIFICATIONS



SHOWN WITH THE PDM110-THN REMOVED FOR BETTER VIEWING

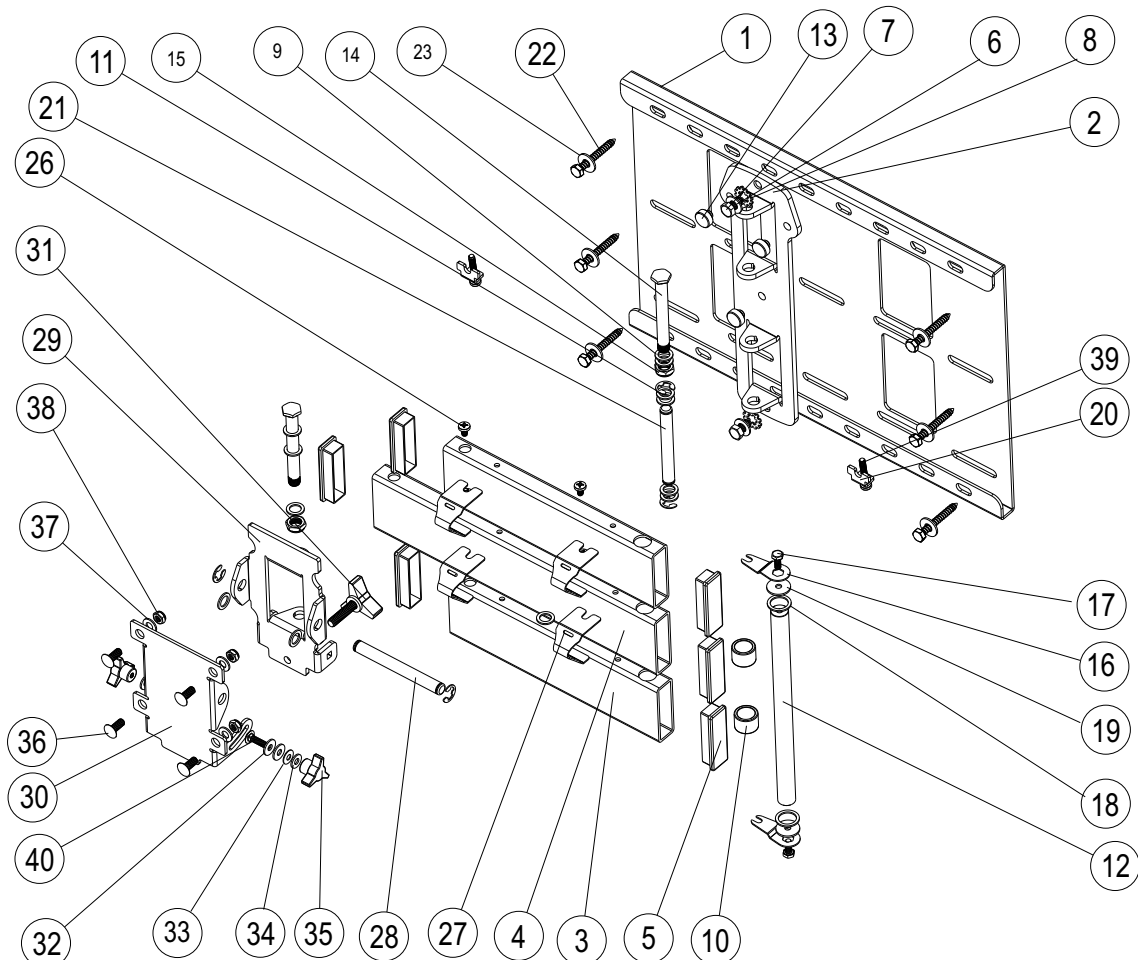
PARTS LIST

AWM 175 ASSEMBLY COMPONENTS			
ITE	QTY.	PART NUMBER	DESCRIPTION
1	1	AM-0001	WALL MOUNTING PLATE
2	1	AM-0050	SLIDING WALL ATTACHMENT
3	2	AM-0008	SHORT ARM
4	1	AM-0003	LONG ARM
5	6	PDM-0059	PLASTIC TUBE CAP
6	2	PDM-0056	13/32" ID STEEL FLAT WASHER
7	2	PDM-0053	3/8-16 HEX HEAD CAP SCREW
8	2	PDM-0054	3/8 ID/OD TOOTHED LOCK WASHER
9	12	AM-0019	3/4"OD X 1/2" ID PLASTIC WASHER
10	2	AM-0040	STEEL BUSHING
11	4	AM-0017	E CLIP FOR 1/2" SHAFT
12	1	AM-0046	LONG SHAFT TAPPED
13	3	AM-0049	NYLON STOP BUTTON
14	2	AM-0094	1/2-20 X 5 HEX HEAD CAP SCREW
15	2	LN-E-50-31-01	1/2-20 NYLON INSERTED LOCKING NUT
16	2	AM-0093	SCREW LOCK TAB
17	2	HB-E-25-62-00	1/4-20 X 5/8 HEX HEAD CAP SCREW
18	2	FW-E-76-10-01	3/4" ID X 1" OD PLASTIC FLAT WASHER
19	2	FW-E-25-10-00	1/4" ID X 1" OD STEEL FLAT WASHER
21	1	AM-0015	SHORT SHAFT
24	1	PDM110THN-001	110 LOW PROFILE WALL PLATE
25	2	PDM110THN-002	110 LOW PROFILE MONITOR MOUNT
28	1	AM-0012	SHORT SHAFT
29	1	AM-0105B	TILT PLATE
30	1	AM-0104B	VESA TILT PLATE
31	1	KB-E-37-15-00	PLASTIC TRI KNOB FOR AWM MOUNTS
32	4	PDM-0008	9/32" ID PLASTIC WASHER
33	2	K0637-A-032	BELLEVILLE DISC SPRING
34	2	PDM-0055	9/32" ID STEEL FLAT WASHER
35	2	PDM-0013	PLASTIC TRI KNOB
36	4	CB-E-31-75-00	5/16-18 X 3/4 SHORT SQUARE CARRIAGE BOLT
37	4	PDM-0027	5/16 ID X 11/16" OD STEEL FLAT WASHER
38	4	LN-E-31-25-00	5/16-18 NYLON INSERTED JAM LOCKING NUT
40	2	CB-E-25-10-00	1/4-20 X 1 CARRIAGE BOLT

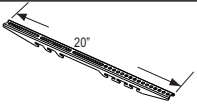
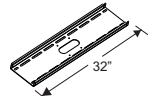
MOUNTING KITS

PDM-0066 HARDWARE KIT			
ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
20	2	PDM-0071	LOCKING TAB
22	6	PDM-0014	5/16" X 2 1/2" LAG BOLT
23	6	PDM-0015	5/16" X 7/8" STEEL FLAT WASHER
39	2	PDM-0019	1/4-20 X 1 1/2 PAN HEAD PHILIPS MACHINE SCREW









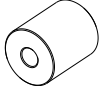
PDM-0105 HARDWARE KIT			
ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
26	4	PH-E-25-38-ST	1/4-20 X 3/8 SELF TAPPING PAN HEAD SCREW
27	4	AM-0115	CABLE MANGEMENT BRACKET




PARTS LIST FOR PDM110 THN

A		Display bracket 2 pcs
B		Mounting bracket (Attached to AWM 175)

PDM -0060 HARDWARE KIT

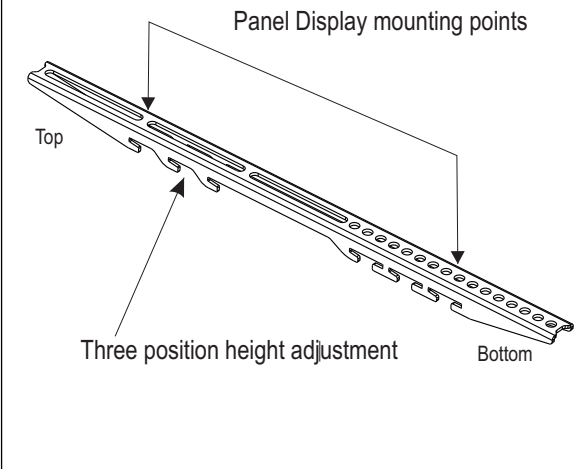
C		H	
4 mm x 16 mm Phillips screw... 4pcs		4 mm steel flat washer... 4 pcs	
D		I	
5 mm x 16 mm Phillip screws...4 pcs		5 mm x 40 mm Phillip screws...4 pcs	
E		J	
6 mm x 16 mm Phillip screws...4 pcs		6 mm x 40mm Phillips screws...4pcs	
F		K	
8 mm x 16mm Philip screw...4 pcs		8 mm x 40mm Philip screws...4 pcs	
G			
Plastic spacer...4 pcs			

PDM -0062 HARDWARE KIT

L	
Square multi-mount washers...4 pcs	

Mounting points for panel display models

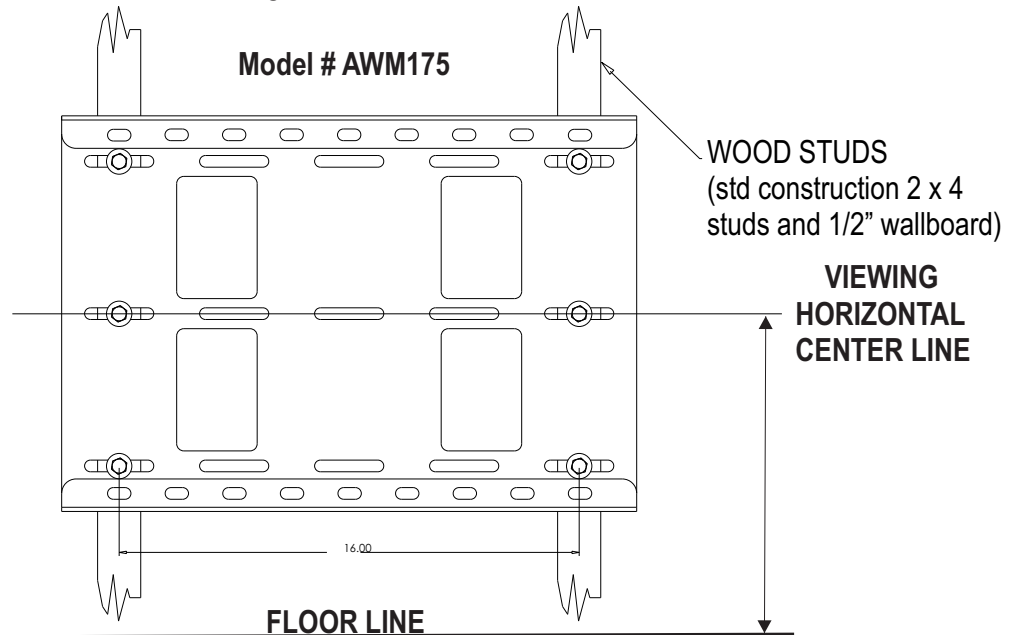
Fig 1



1. FASTEN MOUNTING PLATE TO WALL

Determine the exact mounting location for the wall mounting plate (1) prior to the installation, considering the swing of the articulating arm. The plate must be secured to the **CENTER** of the wall studs capable of at least (4) times the weight of the display and **AWM175**. The wall plate should be mounted at the same horizontal center line as the desired display center line (viewing horizontal center line). Remove the screws and washers (6,7,8) holding the wall plate and arm assembly. Position the mounting plate (1) to the desired position. Mark and **Pre drill a 3/16"** (5mm) hole for the lag bolts. Using the six lag bolts (22) and washers supplied (23), level and secure the mounting plate to the center of the wall studs. **Fig. 2**

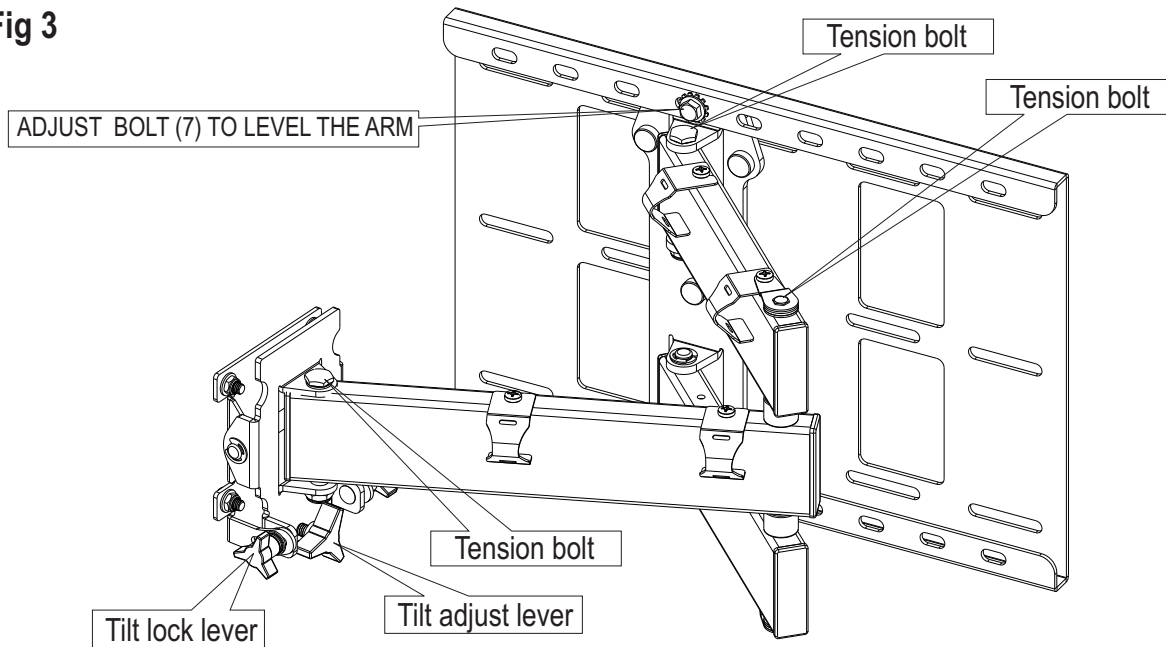
Fig 2



2. SECURE ARTICULATING ARM TO THE MOUNTING PLATE

After attaching the mounting plate to the wall, attach the articulating arm using the hardware (# 6, # 7 and # 8). Using the different slots will aid in centering the mount to the desired position left or right of center. The arm must be level left and right to prevent the display from creeping from the wall. Extend the arm and using a level, swing arm to the left or right and adjust top or bottom bolt (7) to a level position. The arm should be level when extended left, right and straight out. Once level, tighten the top and bottom bolt (7) securely. You can adjust the viewing angle by loosening the Tilt lock lever (35) and turning the tilt adjust lever (31) to suite the best viewing angle. **SEE FIG 3**

Fig 3



2. SECURE THE DISPLAY BRACKETS TO THE MONITOR

Place the display panel face down on a protected surface.

Position the bracket (A) with the slots facing towards the top **See Fig 4**

Using the proper screws (C,D,E,or F) and the square multi-mount washers (L) supplied

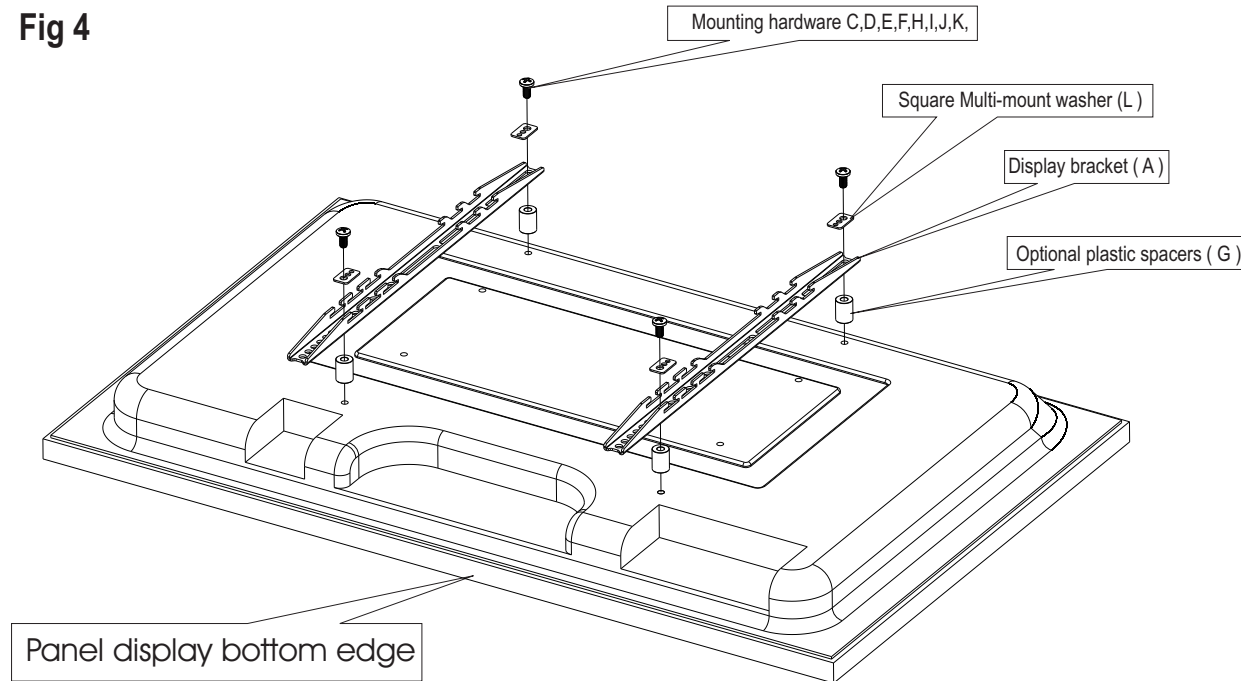
Position the brackets equal distance from the bottom and top, and tighten hardware.

NOTE : In some applications the plastic spacer (G) and longer screws (I, J or K) may be required to add clearance for the back panel.

Do not over tighten hardware, damage to the display may result.

NOTE: Do not over tighten the bracket mounting screws as damage to the display internal mounting threads could occur.

Fig 4



3. TYPICAL PDR PANEL MOUNTING TO ARTICULATING ARM, TENSION CONTROL AND CABLE MANAGEMENT

The display height can be set by using any of the three position slots on the display bracket (A)

Locking tabs are supplied (20 and 39) in the AWM175 kit .

Assemble the locking tab kit PDM-0066 (items 20 & 39) and insert into the slot in the display arm. (See Fig 5 & 5a)

Center the display on the mounting bracket (B) and tighten the screws (39) on the locking tab (20). **Care should be taken not to over tighten screws (39).**

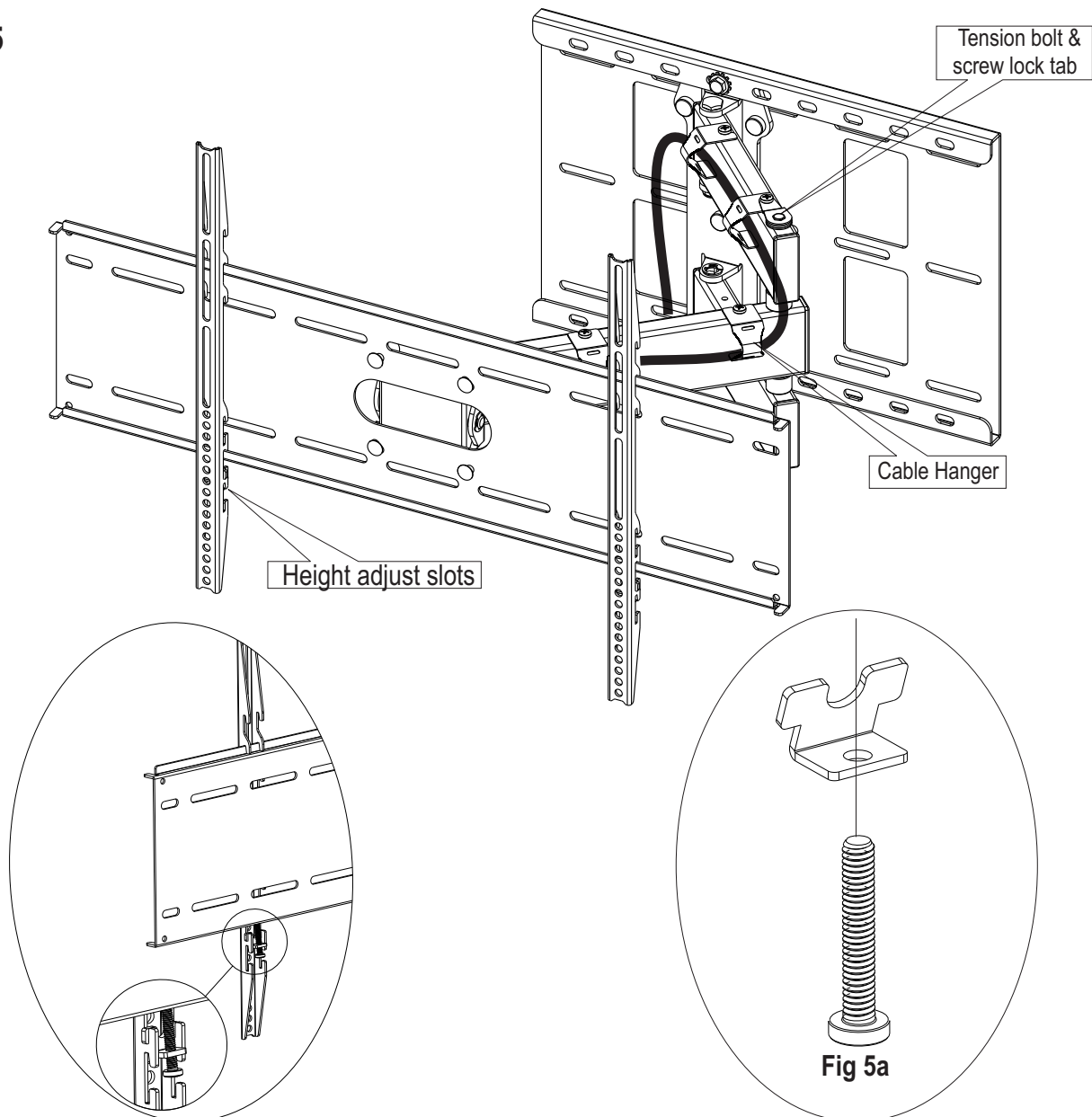
Determine which way the mount will close before attaching the cable management brackets.

Attach the cable brackets (27) on the **top and middle tube only** using the self tapping screws (26) supplied. If the self tapping screws (26) are used for the cable brackets (27) and the screw lock tab (16), remember to install the screw lock tab (16). **Failure to do so could allow the long shaft (12) to loosen and fall out** . Check cable position to make sure cable is not pinched when the mount is opened and closed.

If needed, use adjustment knob (31) to adjust the up and down tilt. Secure the displays up and down tilt feature using the plastic tri knobs (35).

Adjusting tension: The tension bolt adjustments are required to keep the display from creeping from the desired location. Loosen the screw (26) and lift the screw lock tab (16) and swing to the side. Using two 7/16 wrenches, tighten the screws (17) until enough tension is applied to keep the display from creeping from the desired location. **Make sure to replace the screw lock tab (16). Failure to replace could result in the screw (17) and shaft (12) backing out.** Tighten the tension bolts (17) to suit the weight of the display.

Fig 5



View from the back side of the AWM175
with locking tab in place