

Gared 1245 / 1245T / 1245B

Backboard Mounting Instructions - Source Excerpts

No separate installation manual for these three steel boards was located.

These are relevant excerpts from the 2300 and 1131/1171 manuals.

Follow the full manuals and project-specific production drawings.

Packet pages 2-5: 2300 Rev B, printed pages 11-14 (board mounting without and with a height adjuster, and final frame adjustments).

Packet pages 6-11: 1131/1171 Rev E, printed pages 5-10 (board mounting).

Packet page 12: 1131/1171 Rev E, printed page 12 (wall-mount connection).

These are shared structure/adjuster instructions, not a manufacturer manual expressly covering all three backboard MINs.

Full 2300 and 1131/1171 manuals remain included elsewhere in this ZIP.

INSTALLING THE BACKBOARD WITHOUT A HEIGHT ADJUSTER

Support the outer portion of the extension arms with the scissor lift or scaffolding.

Attach the back board to the board hinge mounts using the appropriate board mounting hardware.

Note: Glass board and carriage bolt hardware are shown. Other style of board may require different hardware.

Remove the support from the outer portion of the lower extension arms and allow the unit to hang on its own.

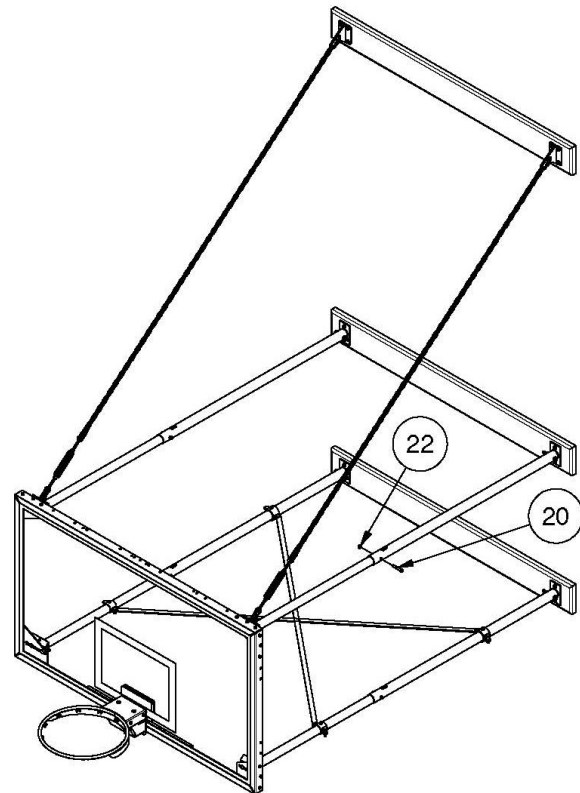
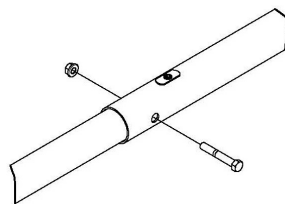
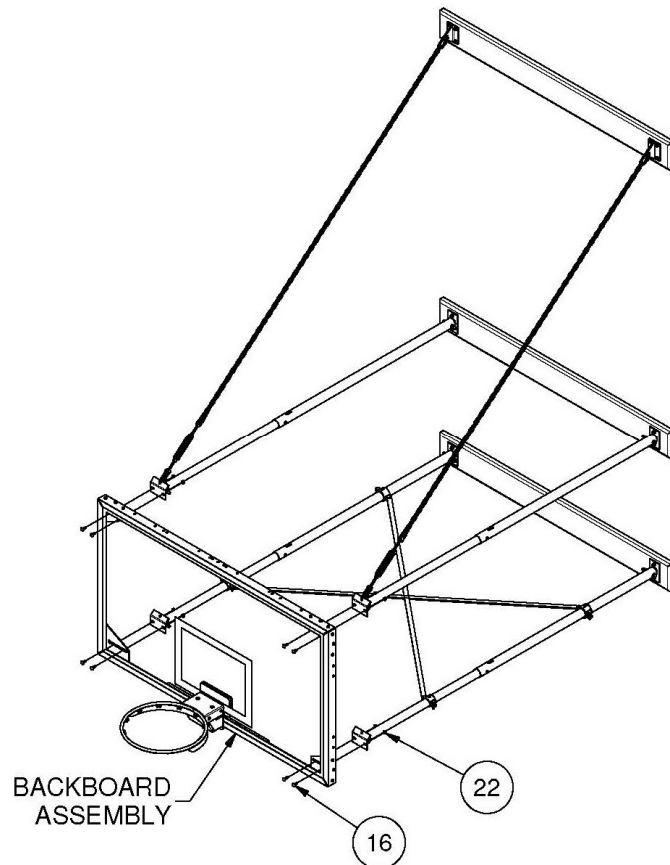
Check to make sure each side of the frame is still square to the wall. Measure the distance from the wall to the face of the back board on each side. Loosen the set screws in the outer tubes and slide the inner extension arm in or out until the face of bank (FOB) is reached. Once both sides of the backboard are at the correct FOB and the frame is still square to the wall and the backboard is plumb, tighten the set screws.

Install the locking bolts on the extension arms the prevent movement of the arms.

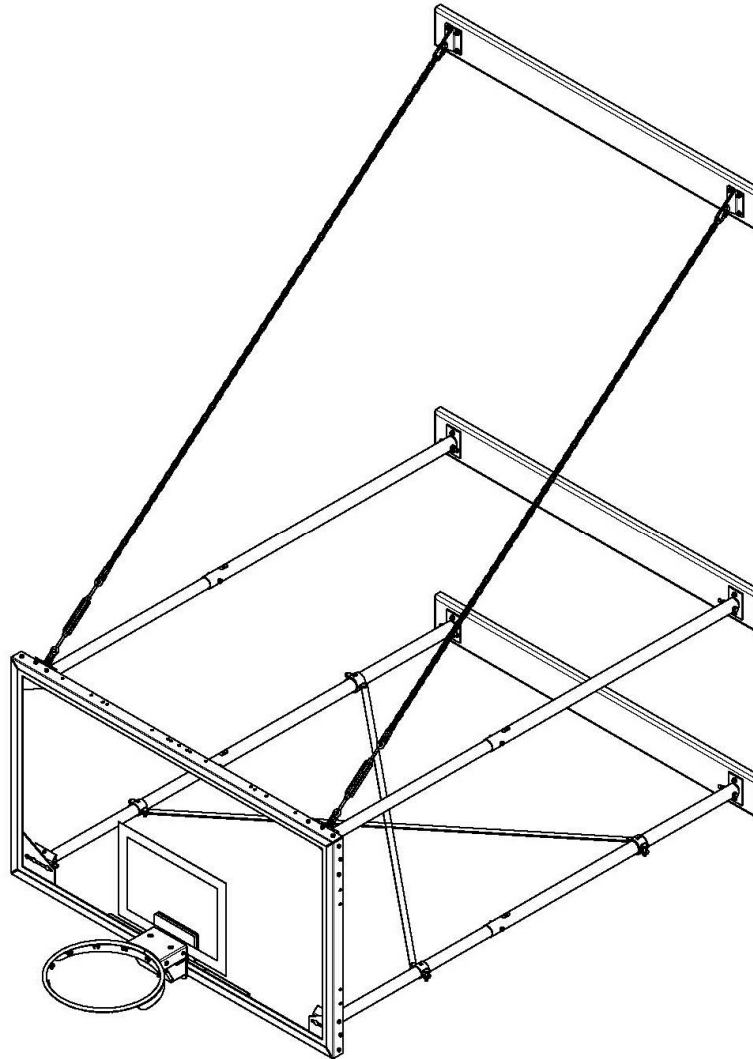
Drill a 7/16" hole through the inner extension tube using the hole in the outer tube as a guide.

Install the 3/8" bolt (Item 20), locknut (Item 22) and tighten securely.

Repeat the process on all four extension tubes.



The final step of the assembly is to level the frame extension arm by adjusting the chain tension with the turnbuckles. It is important to not over adjust the chains as this causes undue stress on the chain anchor points. Chain tension should be no more than enough to level the side frame tubes.



⚠ CAUTION

Adjust chains only enough to level the frame extension tubes. **DO NOT** use chain adjustment to raise or lower goal height.

Improper chain adjustment can cause damage to frame when folding and/or failure of chain anchor

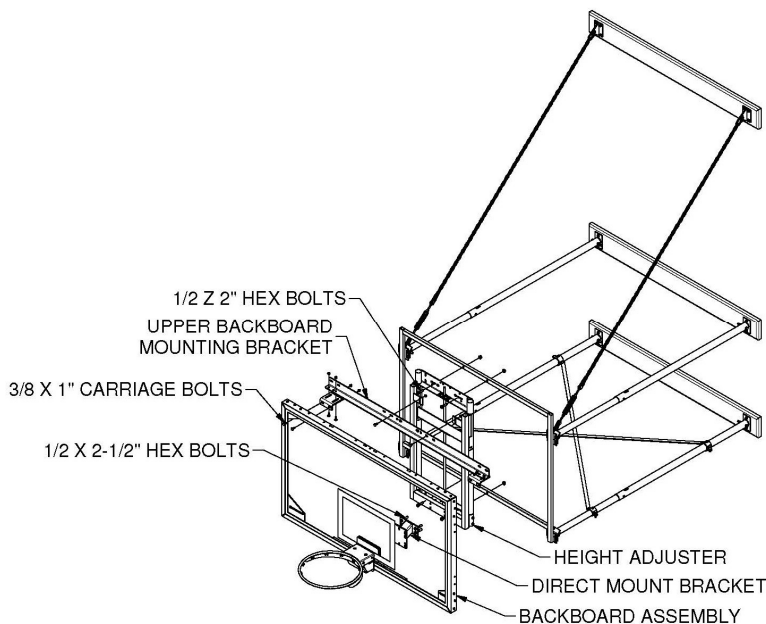
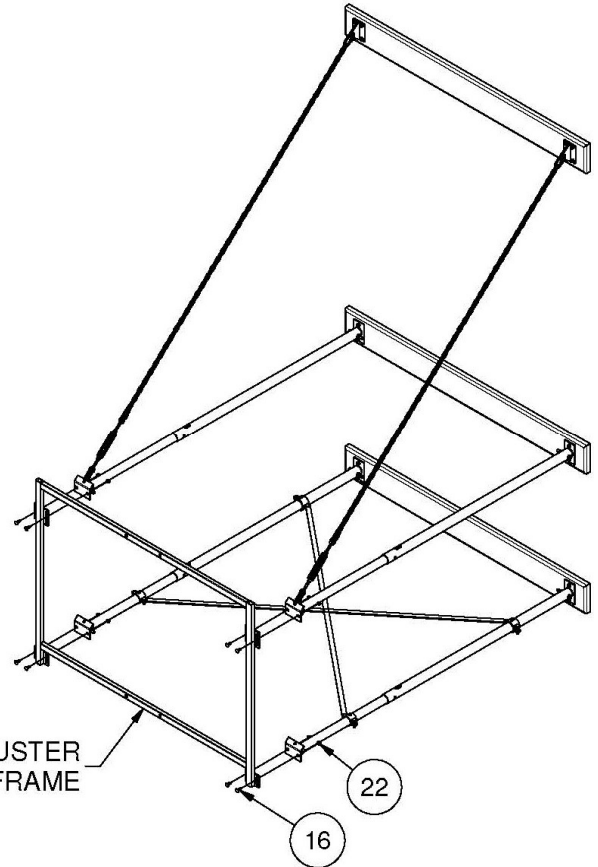
INSTALLING THE BACKBOARD WITH A HEIGHT ADJUSTER

Square each side of the frame to the wall and support the outer portion of the extension arms with the scissor lift or scaffolding.'

Attach the height adjuster frame using the 3/8 x 1 1/2" carriage bolts and whiz lock nuts.

Because the height adjuster mounting varies with the type of board, and the board to height adjuster mounting varies as well, specific instructions for mounting both the height adjuster and the board are supplied with the mounting kits.

The illustration below is for reference only and may not be the exact representation of the board or wall mount in your application. Please refer to the specific instructions supplied with the MTG KIT, HEIGHT ADJUSTER TO WM, and the MTG KIT BACKBOARD TO HEIGHT ADJUSTER.



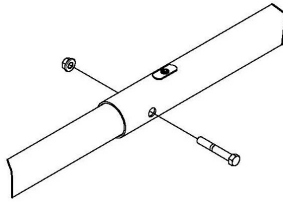
Once the height adjuster and backboard has been installed, final adjustments to the FOB and chain tension can be made.

Check to make sure each side of the frame is still square to the wall. Measure the distance from the wall to the face of the back board on each side. Loosen the set screws in the outer tubes and slide the inner extension arm in or out until the correct face of bank (FOB) is reached. Once both sides of the backboard are at the correct FOB, the frame is still square to the wall, and the backboard is plumb, tighten the set screws.

Install the locking bolts on the extension arms the prevent movement of the arms.

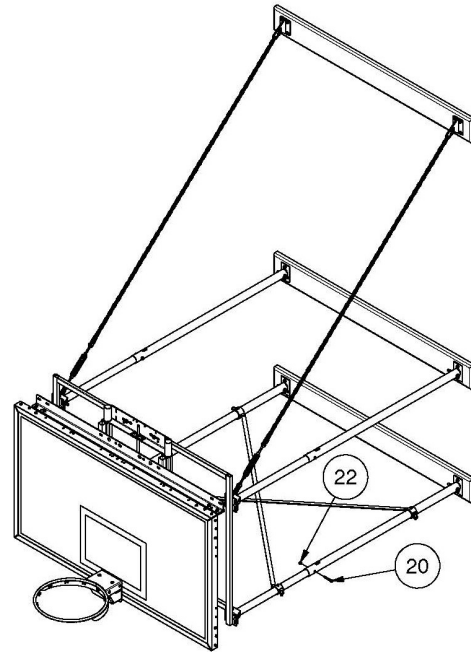
Drill a 7/16" hole through the inner extension tube using the hole in the outer tube as a guide.

Install the 3/8" bolt (Item 28), locknut (Item 30) and tighten securely.



Repeat the process on all four extension tubes.

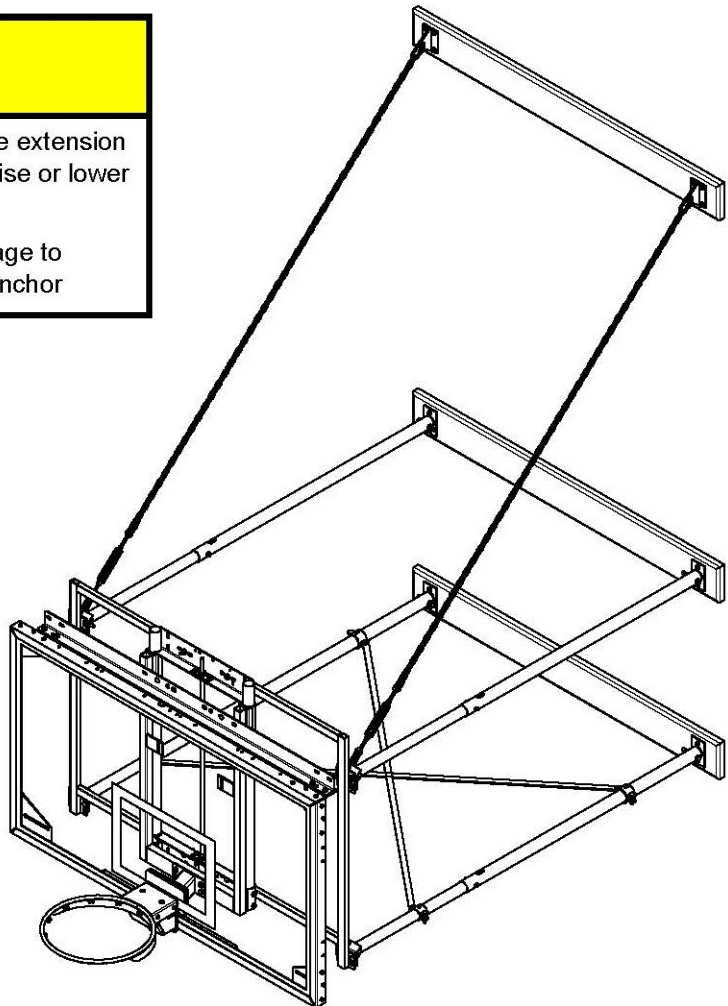
The final step of the assembly is to level the frame extension arm by adjusting the chain tension with the turnbuckles. It is important to not over adjust the chains as this causes undue stress on the chain anchor points. Chain tension should be no more than enough to level the side frame tubes.



CAUTION

Adjust chains only enough to level the frame extension tubes. DO NOT use chain adjustment to raise or lower goal height.

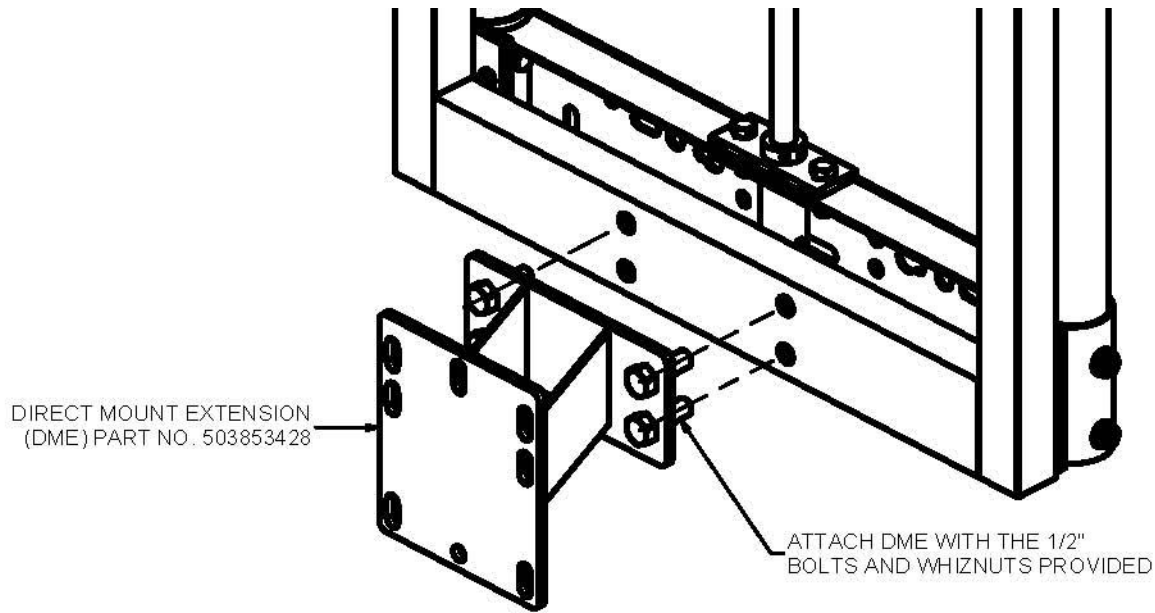
Improper chain adjustment can cause damage to frame when folding and/or failure of chain anchor



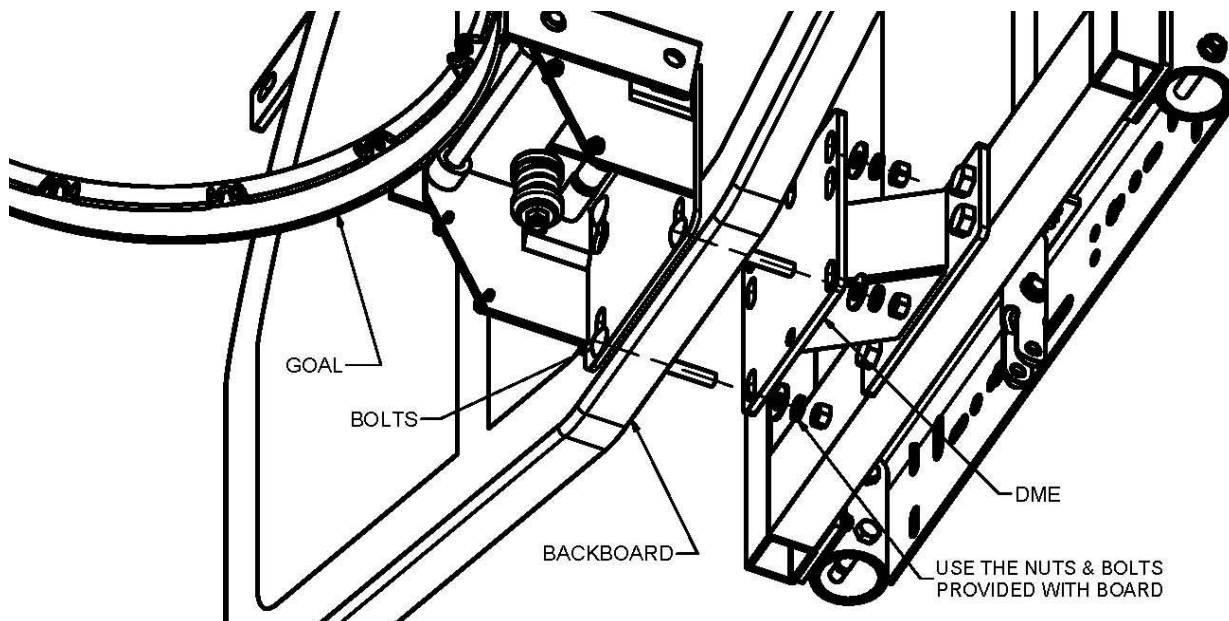
2.) Attach the Direct Mount Extension (DME) to the front of the height adjuster frame with the bolts supplied. Tighten the bolts securely. See below.

PN: 4404 KIT, 63" X 36" RECT BOARD MOUNT

PN: 4405 KIT, 35" X 20" FAN BOARD MOUNT

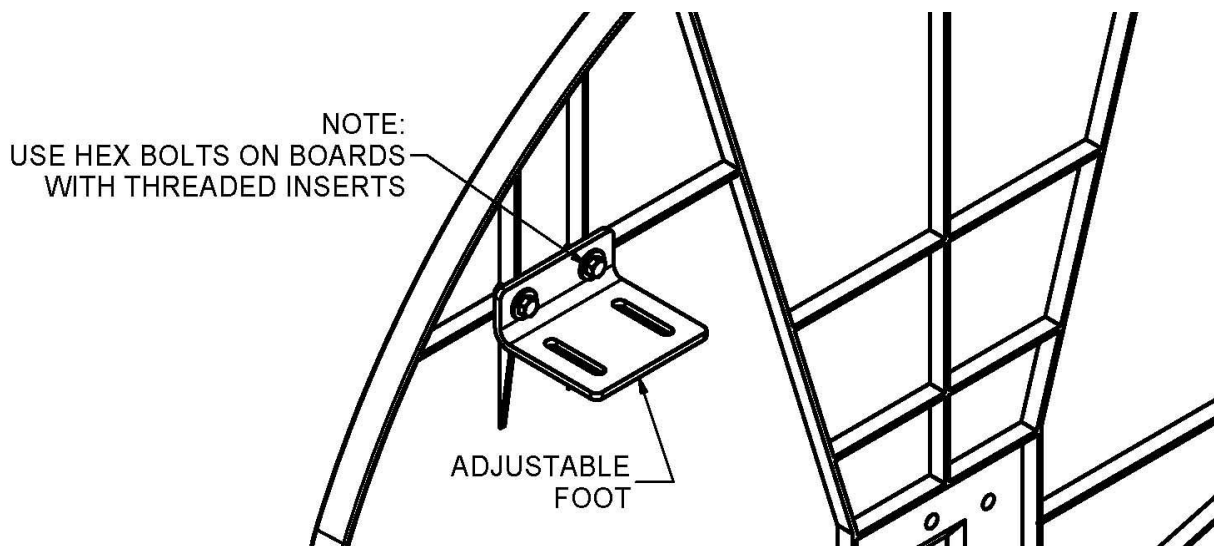
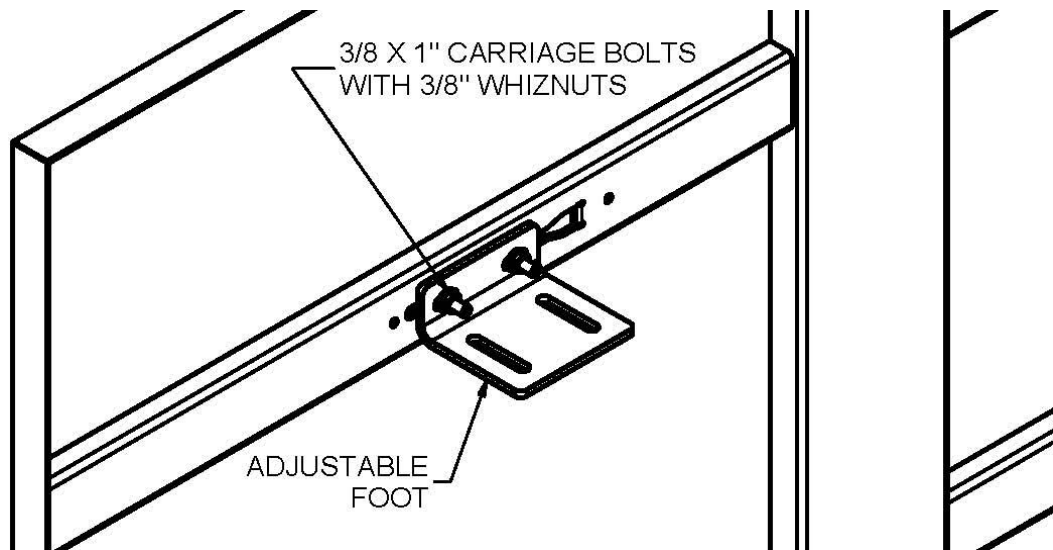


3.) The DME is your starting point for any board you install on this equipment. Attach the bottom of the backboard and the goal to the DME with the bolts provided as shown below. Leave bolts slightly loose until the top of the board is also attached.

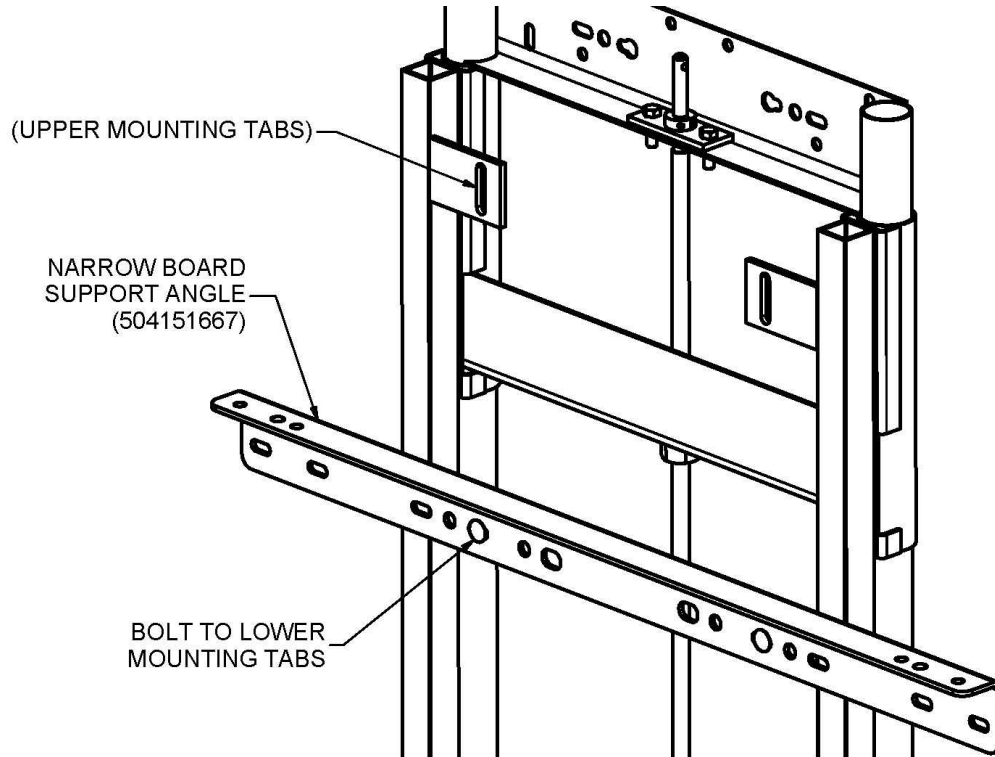


4.) Attachment of the upper section of the narrow or wide boards is dependent upon how the backboard support angle and adjustable feet are attached. First attach the adjustable feet to the rear of the board as shown in the following illustrations. The part number for the adjustable foot is 503852349.

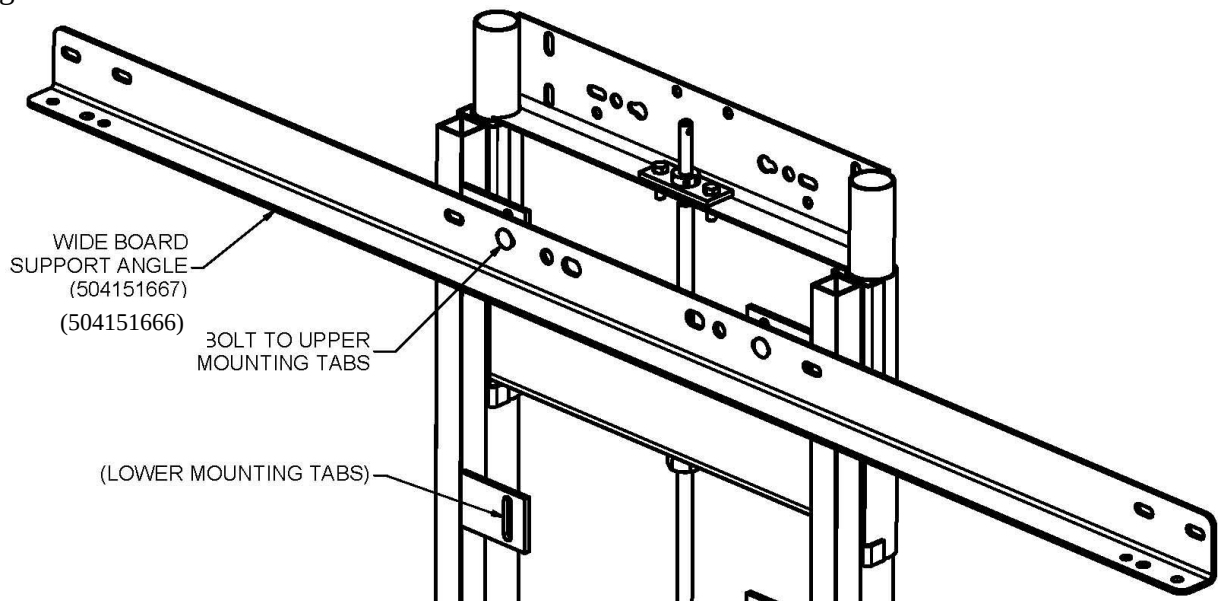
NOTE: Hex bolts are used if the board has threaded inserts, which are supplied within the bank angle hardware kit.



5.) Next attach to the correct backboard support angle for either the narrow or wide mounting application depending on which board you are attaching. The narrow board support angle, part number 504151667, has a 35" wide mounting configuration and is shown below.



The wide board support angle, part number 504151666, has a 63" wide mounting configuration and is shown below.



6.) There are several ways to mount the boards to the height adjuster using the backboard angles and the adjustable feet. See figures 1, 2, 3 and 4. Reference board numbers under each illustration.

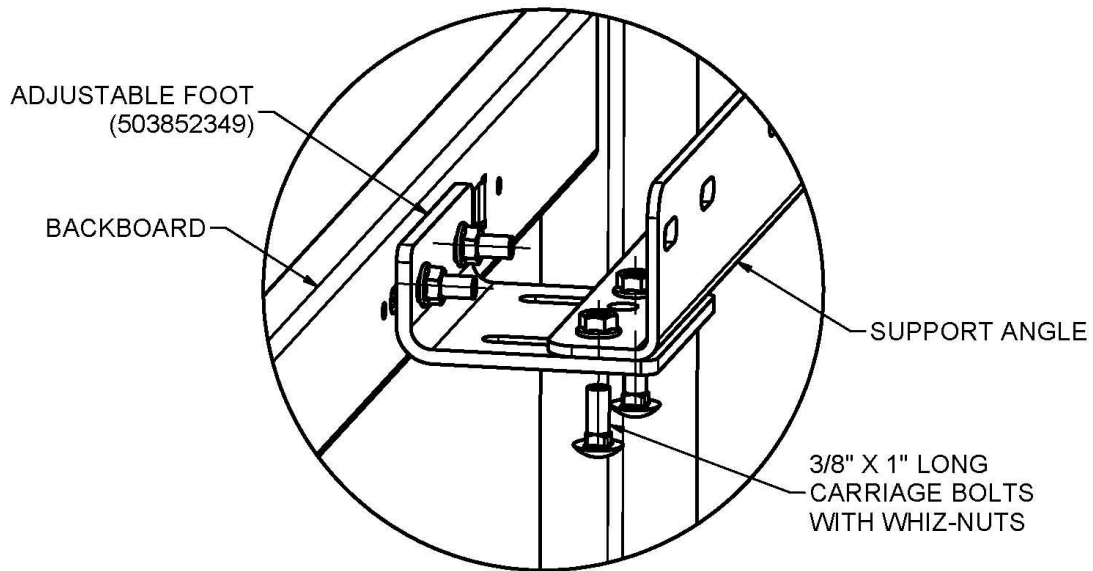


FIGURE 1: use for: 1301B, 1270B, 1260B, 1272B, 1401B, 1370B, AFRG48

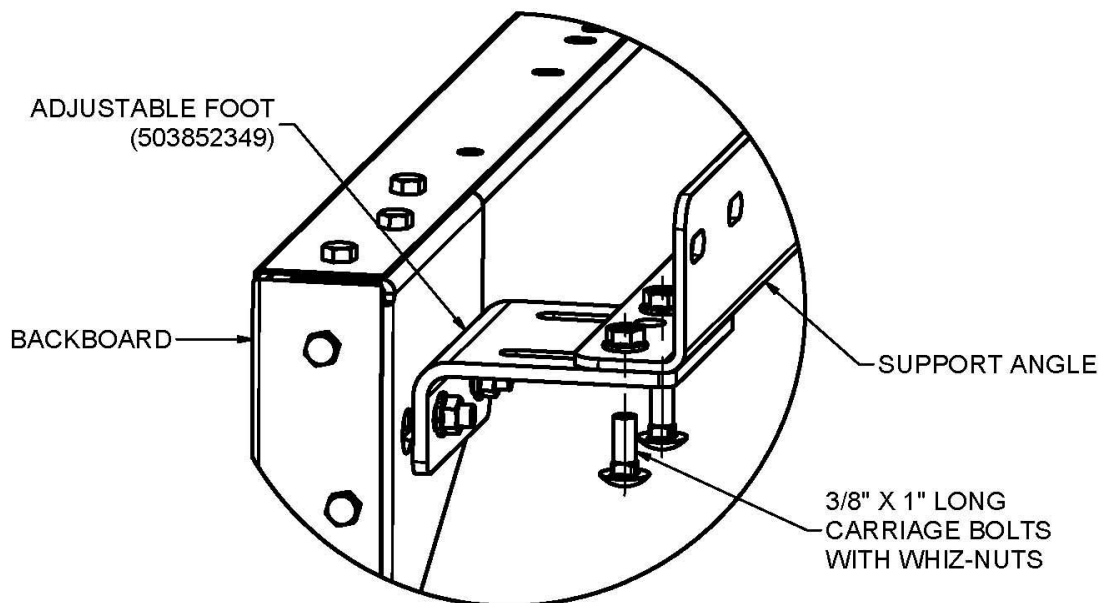


FIGURE 2: use for: 1750B, 1442B, AFRG42, LXP4200

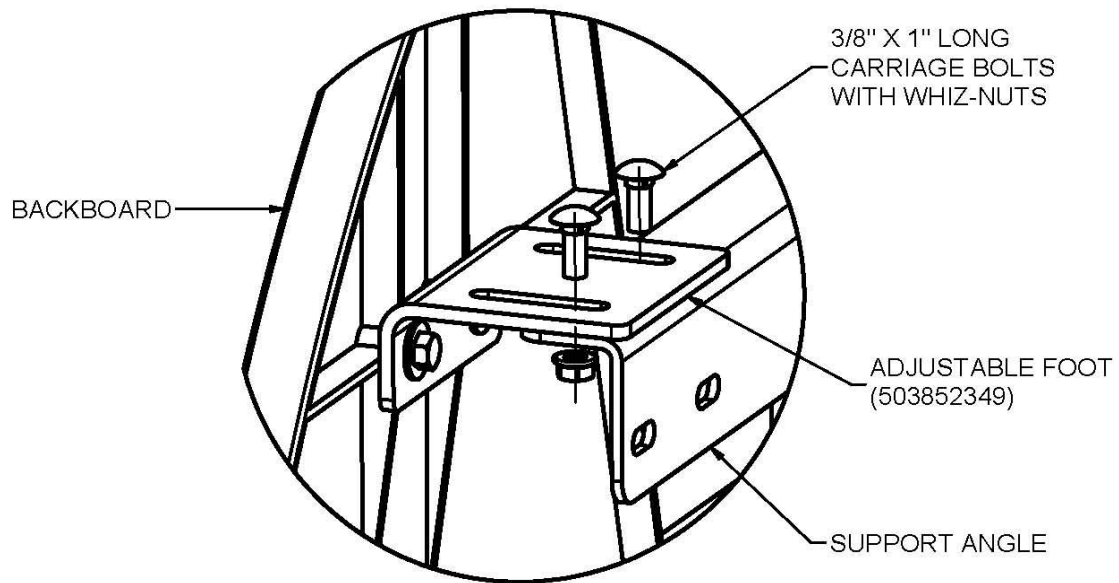


FIGURE 3: use for: **1354B**

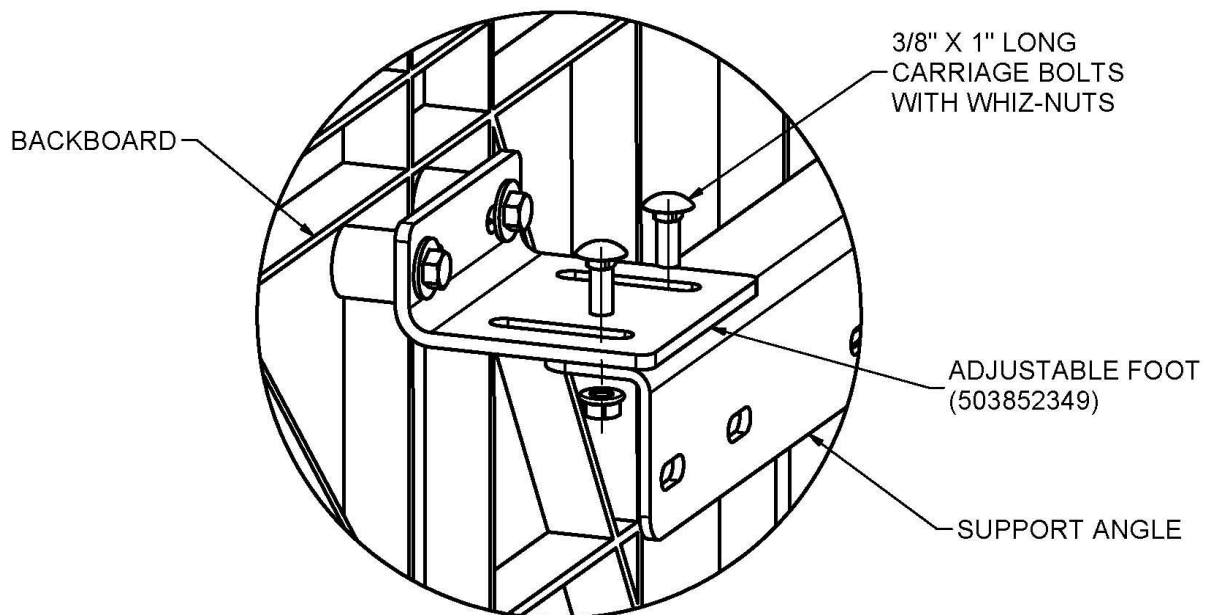


FIGURE 4: use for: **1342B**

The above figures are a quick reference of the orientation of the backboard support angles and the adjustable foot angle. In some cases the mounting of the backboard support angle will be on the top mounting tab of the height adjuster and in other cases it will use the bottom mounting tabs. The orientation of the angles and the board mounting will tell you which one to attach to.

7.) Leave all hardware loose until all connections are made for the angles, board and DME. Install the height adjuster to the unit structure. Make sure the post is plum on all ceiling hung units before installation of the height adjuster. Refer to the instructions supplied with the ceiling hung backstop for plumbing the mast. Attach height adjuster with the board and hardware. Tighten down the attachments to the structure and then level and tighten the board and goal. Make sure that the goal height is at 10' when height adjuster is in full up position.

8.) The height decal can be applied at this time to either side of the height adjuster. If the height adjuster has electrical activation, you will want to put the decal on the side of the height adjuster unit which can be seen from the key switch. The illustration below shows where to put the decal. First remove the backing from the arrow decal and place it where indicated. Install the arrow on the rear, stationary frame pointing towards the board. Next remove the backing from the tall height decal and apply it as shown. The height decal must be installed so the 10' mark is now in line with the arrow. This allows the user to view the goal height from a distance. The arrow will point to the current height as it is adjusted.



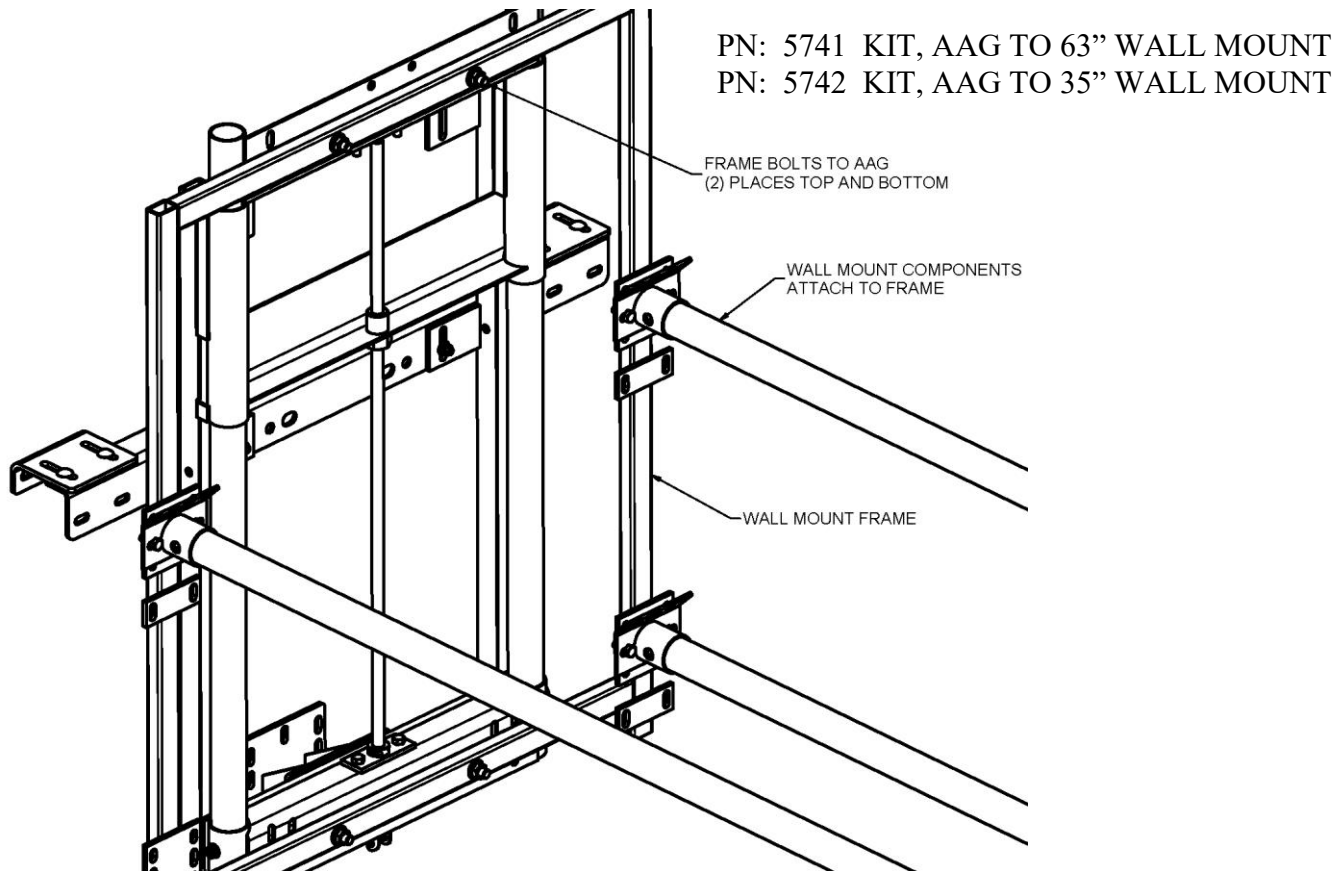
HEIGHT DECAL
Align 10 ft
mark
with arrow.

ARROW DECAL



HEIGHT ADJUSTER TO WALL MOUNT INSTALLATION

The following illustration shows how the height adjuster attaches to the wall mount frames. Use the 1/2" nuts and bolts provided to attach the frame two places top and bottom as shown.



Note: An Adder Bracket, 504155421, needs to be attached to the bottom of the frame to accommodate 48" high backboards. The frame will need to be drilled to accept 3/8" bolts. (frame does not come pre-drilled).

