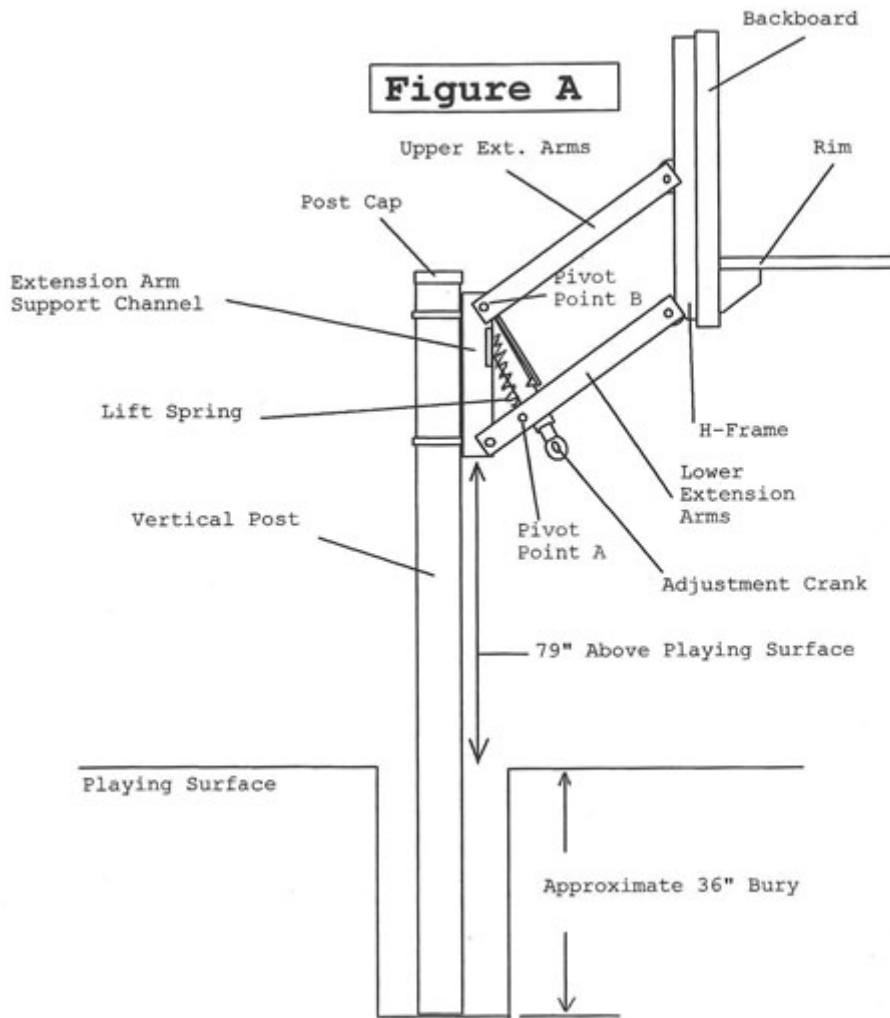


## Vector Series Assembly Instructions



### Bill of Materials

(1) Vertical Post	(2) 1/2" x 4" Square U-Bolt	(4) 5/16" x 1" Machine Screw
(1) Extension Arm Support Channel	(4) 1/2" Flatwasher	(4) 5/16" Flatwasher
(2) Upper Extension Arms	(4) 1/2" Lockwasher	(4) 5/16" Lockwasher
(2) Lower Extension Arms	(4) 1/2" Hex Nut	(4) 5/16" Hex Nut
(1) Adjustment Crank	(4) 1/2" x 12" Hex Bolt	(1) Set of Height Stickers
(2) Lift Springs	(5) 1/2" Centerlock Nut	(1) Post Cap
(1) Rim Height Indicator	(8) 1/2" Nylon Flatwasher	(1) Anti-Seize Lubricant
(1) H-Frame Backboard Support	(1) 1/2" x 13" Hex Bolt	(1) Adjustment Handle

**NOTE: Immediately unpack all components and cross check against bill of materials. Report any shortages to First Team customer service at 1-888-884-6677.**

**IMPORTANT!!! IMPORTANT!!! IMPORTANT!!!**

**WITH THIS BASKETBALL GOAL YOU SHOULD HAVE RECEIVED SOME ANTI-SEIZE LUBRICANT. DURING ASSEMBLY YOU WILL PERIODICALLY BE ASKED TO SMEAR A GENEROUS PORTION OF THIS LUBRICANT ON CERTAIN BOLTS. THIS LUBRICANT IS VERY IMPORTANT AND VERY MESSY AND WILL STAIN. HAVE CLEAN UP RAGS AVAILABLE. IF YOU DO NOT WISH TO STAIN YOUR HANDS TRY USING A BRUSH OR OTHER UTENSIL TO SPREAD LUBRICANT. MAKE SURE TO SPREAD A GENEROUS LAYER OF ANTI-SEIZE LUBRICANT OVER THE ENTIRE SHAFT OF THE BOLT WHEN INSTRUCTED. DO NOT APPLY ANTI-SEIZE LUBRICANT TO ANY BOLTS OTHER THAN THOSE INSTRUCTED. THIS LUBRICANT WILL GUARD AGAINST RUST, AND HELP ENSURE PROPER PIVOT OPERATION IN YEARS TO COME.**

1. Locate and dig a 12" minimum diameter x 36" deep hole.
2. Fill hole with wet premixed concrete, insert vertical pole leaving 108" above desired playing surface. Vibrate to settle concrete. Place 4" square post cap on top of pole.
3. Make sure post is straight and plumb. Brace while drying if necessary. Allow 24 hours minimum drying time before continuing assembly.
4. Using (2) ½"x 4" Square U-bolts, flatwashers, lockwashers and hex nuts fasten the Extension Arm Support to the Vertical Post so that the bottom of the Extension Arm Support is 79" above the playing surface (see figure A). Additionally, adjust the side-to-side level of the Extension Arm Support. When you are satisfied with leveling of the Extension Arm Support, tighten all hardware. ATTN: Make sure the Extension Arm Support is right-side-up. The welded tabs inside the channel should be at the top.
5. Attach the Lower Extension Arms using (1) ½"x 12" hex bolt, (2) nylon flatwashers and (1) ½" locknut. Place one nylon flatwasher between the extension arm and the extension arm support. The nylon washers eliminate paint wear and provide free movement at the pivot points. Remember, the nylon flatwashers go BETWEEN the extension arms and the side of the extension arm support.
6. Attach the Upper Extension Arms using (1) ½"x 12" hex bolt, (2) nylon flatwashers, and (1) ½" locknut. Additionally, while attaching the extension arms make sure to also attach the Adjustment Crank. The yoked clevis of the adjustment crank should be cradled between the two welded tabs at the top of the extension arm support. Also attach the Rim Height indicator at this time. The welded tube on the rim height indicator fits between the yoked clevis on the adjustment crank. NOTE OF CLARIFICATION: The Upper Extension Arms, Adjustment Crank and Rim Height Indicator are all attached using the same ½"x 12" hex bolt mentioned above.
7. Next, using (1) ½"x 13" hex bolt and locknut attach the bottom end of the adjustment crank to the set of welded tubes on the lower extension arms as shown in Figure A. **Spread Anti-Seize lubricant on the shaft of this bolt.**
8. Bolt the H-Frame to the extension arms using (2) ½"x 12" hex bolts, (4) nylon washers and (2) ½" locknuts. Remember to place the nylon washers between the extension arms and the sides of the H-Frame.
9. Unpackage backboard. You will find two rubber gaskets packaged in with the backboard. One gasket goes behind the backboard between the H-Frame and the backside of the board. You will use the other gasket later in the assembly to be used on the face of the backboard between the rim and the face of the backboard. This eliminates any steel-to-acrylic contact.
10. Remove and discard the plastic shipping strap located at the top of the backboard frame joint.
11. Hang backboard on H-Frame lining up the four holes at the top of the backboard frame with the four holes in the top of the H-Frame. Loosely attach board at these four points using the 5/16" hardware that came with the backboard.
12. Loosely attach backboard to H-Frame at the four points along the bottom of the backboard frame as well. Use the 5/16" hardware provided in the bolt kit. Make sure to get the gasket sandwiched between the backboard and the face of the H-Frame. (We recommend tape to hold it in place during assembly) Also, be sure the holes in the backboard and the holes in the H-Frame are aligned so the rim bolts will be able to pass through when attaching rim.

13. When you are satisfied with alignment, attach rim following the instructions provided in the rim box. Then tighten the 5/16" hardware at both the top and bottom of the backboard frame.

14. Next, using a measuring tape crank unit until rim measures 10' from playing surface. Make a pencil mark on the side of the adjustment crank where the height indicator stops. Repeat this step for 9 ½', 9', 8 ½', 8', 7 ½', 7', 6 ½' and 6'. When finished peel and apply each rim height sticker lining up the pencil mark with mark provided on each respective sticker.

15. Next, using the adjustment handle, crank unit upward as far as possible. Then attach (2) lift springs from pivot point A to pivot point B as shown in Figure A. You may find it helpful to loop a rope over pivot point B and attach it to one end of the spring. Then with the spring already attached to pivot point A pull down on the rope, extending the spring until it hooks itself over pivot point B.

16. Make sure all hardware has been tightened. If unit is difficult to crank you may have over tightened the bolts at the main pivot points, try loosening them slightly. Check over the unit periodically to make sure no hardware has loosened as the unit ages.

Installation of your First Team Vector Basketball System is complete!

**TIP:** Find a safe and handy location to store your crank handle. If you ever lose your crank handle, replacements can be purchased by calling First Team at 1-888-884-6677. We hope you enjoy your Vector basketball system.

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