

— Installation and Safe Use Manual —

MODEL# BA801 AND PR12

QUICK CHANGE BASKETBALL SYSTEMS

PARTS LIST

Item	Qty	Description	Item	Qty	Description
A	1	Extension Arm Assembly	J	8	5/16" Flange Nuts
B	2	3 1/2" Round U-Bolts	K	1	3 1/2" Pole Cap
C	4	3/8" Flat Washers	L	1	Backboard (packaged separately)
D	4	3/8" Lock Washers	M	1	Rim and Net (packaged separately)
E	4	3/8" Hex Nuts	N	1	3 1/2" Diameter Pole (packaged separately)
F	2	Upper Backboard Supports	O	1	Weighted Movable Base (BA801 only)
G	2	Backboard Mounting Angles	P	TBD	Quick Dry Cement (provided by customer, PR12 only)
H	2	5/16" x 1 1/2" Carriage Bolts	Q	1	BA700PP Pole Pad (optional)
I	6	5/16" x 1" Hex Bolts			

Warning!
Improper installation, maintenance or use may cause product failure and serious personal injury.

- ◆ Inspect all contents prior to installation. Report any missing parts to dealer immediately.
- ◆ Carefully read all instructions before proceeding. Pay special attention to the safety instructions on the next page.
- ◆ Save this instruction in the event that the manufacturer must be contacted in the future.

IF YOU ARE INSTALLING AN INGROUND PR12 BASKETBALL SYSTEM

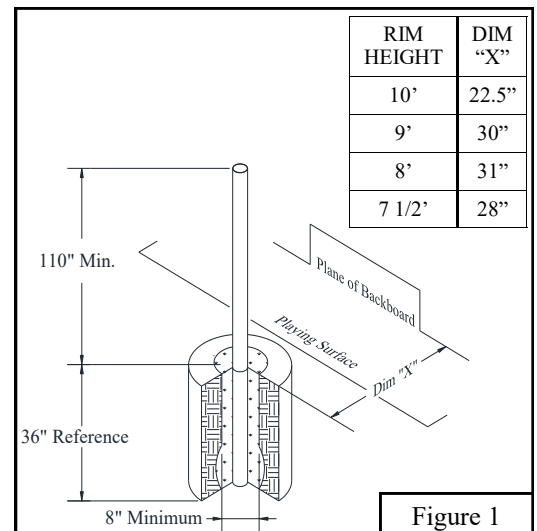
1a. Call your local utility locating service before digging, usually by dialing 811, to avoid serious injury or service interruptions. Also avoid lawn sprinkler lines.

2a. Determine the desired position of the 3 1/2" Diameter Pole (N) by taking into consideration that the distance between the front of the 3 1/2" Diameter Pole (N) and the face of the Backboard (L) changes as the Rim (M) height is adjusted. At the top position (official 10' rim height) this distance is 22 1/2", at the lowest position the distance is 28" and at middle height the distance is 30". See Figure 1.

3a. Dig a minimum 8" diameter footing at least 36" deep, deeper in heavy frost areas. Remove dirt in the bottom 1/3 of the hole in a bell shape to improve pole stability. Amount of Quick Dry Cement (P) required will depend on final size of hole but an 8" hole, 36" deep with minor soil removal from the bottom will require approximately 1.25 cubic ft. of premixed concrete. Always better to have too much rather than too little on site.

4a. Fill the hole to the top with medium wet, fully mixed concrete.
Never use the Quick Dry Cement (P) dry.

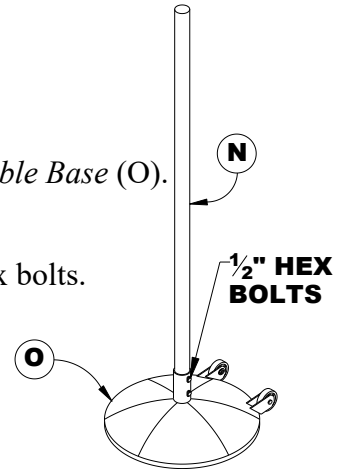
5a. Insert the 3 1/2" Diameter Pole (N) into the center of the footing.



- 6a. While the concrete is still wet and the *3 1/2" Diameter Pole (N)* is movable, brace the *3 1/2" Diameter Pole (N)* to help maintain the top of the *3 1/2" Diameter Pole (N)* at 110" from the actual playing surface, plumb in both directions. See Figure 1.
- 7a. Allow at least 48 hours for the concrete to cure before completing the installation to avoid footing failure.
- 8a. Proceed to instructions #9 below.

IF YOU ARE ASSEMBLING A PORTABLE BA801 BASKETBALL SYSTEM

- 1b. Remove *Weighted Movable Base (O)* from the pallet and place on the floor with the powder coated side up.
- 2b. Remove the four *1/2" hex bolts* from the pole receiver socket on the *Weighted Movable Base (O)*. See Figure 2.
- 3b. Insert the *3 1/2" Diameter Pole (N)* into the receiver socket and reinstall the *1/2" hex bolts*. Tighten all four *1/2" hex bolts* against the *3 1/2" Diameter Pole (N)*.
- 4b. Proceed to instruction #9 below.



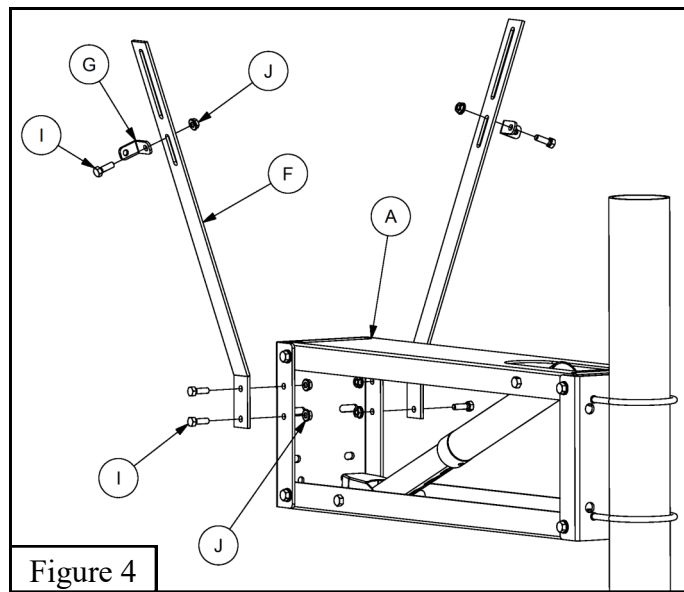
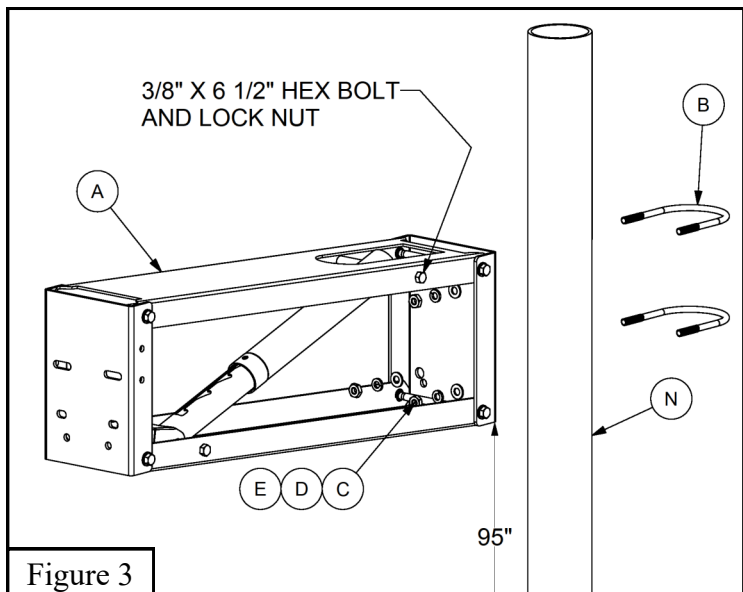
TO CONTINUE ASSEMBLY

9. Using a marker or masking tape, mark the *3 1/2" Diameter Pole (N)* 95" above the actual playing surface to help locate the *Extension Arm Assembly (A)*. Placement of the *Extension Arm Assembly (A)* below 95" is not advisable as it increases the chance of injury to young players.
10. Remove the *3/8" hex lock nut* and *3/8" x 6 1/2" Hex Bolt* from the upper channel of the *Extension Arm Assembly (A)* and attach the upper end of the rim height adjustment mechanism to the *Extension Arm Assembly (A)*. See Figure 3.

Note:

When extension arm assembly is completely assembled, the mechanism is going to want to collapse. This is normal, as the unit requires the weight of the backboard and rim to set the mechanism into the locked position at each setting. Use caution to avoid pinch points when proceeding with mounting the assembly to the pole and while mounting the backboard and rim.

11. Using two, *3 1/2" Round U-Bolts (B)*, four *3/8" Flat Washers (C)*, four *3/8" Lock Washers (D)*, and four *3/8" Hex Nuts (E)* mount the *Extension Arm Assembly (A)* loosely to the front of the *3 1/2" Diameter Pole (N)* at eye level or higher from a ladder or bed of a pickup.
12. Carefully maneuver the *Extension Arm Assembly (A)* up the *3 1/2" Diameter Pole (N)* to a height where the bottom of the pole plate on the front of the *Extension Arm Assembly (A)* is in line with the 95" height marking on the *3 1/2" Diameter Pole (N)*. See Figure 3.
13. Tighten the four, *3/8" Hex Nuts (E)* on the *3 1/2" Round U-Bolts (B)* making sure that the *3 1/2" Round U-Bolts (B)* are parallel to the ground and that the *Extension Arm Assembly (A)* is square on the *3 1/2" Diameter Pole (N)*.
14. Mount the *Upper Backboard Supports (F)* to the holes on the sides of the rim mounting plate on the *Extension Arm Assembly (A)* furthest from the *3 1/2" Diameter Pole (N)* using *5/16" x 1" Hex Bolts (I)* and *5/16" Flange Nuts (K)*. See Figure 4.



15. Loosely attach the *Backboard Mounting Angles* (G) to the ends of the *Upper Backboard Supports* (F) using *5/16" x 1" Hex Bolts* (I) and *5/16" Flange Nuts* (J). Do not tighten at this time. See Figure 4.
16. Assemble the *Rim* (M) using the instructions provided with the *Rim* (M).
17. Mount the *Backboard* (L) and *Rim* (M) to the front of the *Extension Arm Assembly* (A) using the rim mounting hardware packaged with the *Rim* (M). Rim bolts should pass through the *Rim* (M), then the *Backboard* (L) and then the front rim mounting plate on the *Extension Arm Assembly* (A). Tighten when the *Rim* (M) and the *Backboard* (L) are level.
18. Attach the previously assembled *Backboard Mounting Angles* (G) to the *Backboard* (L) using *5/16" x 1 1/2" Carriage Bolts* (H) and *5/16" Flange Nuts* (J). Tighten when all components are level and flat. See Figure 5.

TO RAISE GOAL: Place the end of a suitable lifting pole (I.E. broom handle) under the rim or backboard and push upward until desired height is reached. The mechanism will automatically lock in one of the fixed adjustment positions as unit is lowered slightly. See Figure 6.

TO LOWER GOAL: Place pole into the black release cup of the adjustment mechanism, push upward to release, then lower the goal to the lowest position. The mechanism will not lock at intermediate positions on the way down as long as the cup is depressed. QWIK-CHANGE is designed to adjust from 7 1/2' to 10' in 6" increments. See Figure 6.

19. Raise the *Rim* (M) to the highest position and measure the distance from the top of the *Rim* (M) to the playing surface. If necessary, adjust to the official 10' playing height by loosening *3/8" Hex Nuts* (E) on the *3 1/2" Round U-Bolts* (B), then slide the entire unit up or down the *3 1/2" Diameter Pole* (N). Retighten *3/8" Hex Nuts* (E) once you have achieved 10'.
20. Place *3 1/2" Pole Cap* (K) on top of the *3 1/2" Diameter Pole* (N) to keep out water. Install *Net* (M).
21. Drill an *1/8" - 1/4"* hole thru one wall in the bottom of your *3 1/2" Diameter Pole* (N) (PR12 only) opposite the playing surface to insure no water builds up inside of pole.
22. Install optional *BA700PP Pole Pad* (Q) if applicable.

23. You are now ready for play.

24. If your QWIK-CHANGE mechanism becomes difficult to adjust, lubricate all pivot points and the area in and around the height adjustment mechanism release cup with a light machine oil (ie: sewing machine oil or WD-40).

