

# BA871, BA872

Ultimate Playground Basketball System Instructions



Customer Service  
(800) 247-7668

PARTS LIST					
Item	Qty	Description	Item	Qty	Description
A	1	Vertical Pole	I	1	BA47/47A/47P Backboard (2 req'd on Model BA872)
B	1	Extension Arm (2 req'd on Model BA872)	J	1	BA39U/BA39UZC Rim (2 req'd on Model BA872)
C	1	Mounting Plate (Not req'd on Model 872)	K	1	Rim Mounting Hardware (included with BA39U/BA39U-GV)
D*	6	5/8" x 8" Hex Bolts	L*	2	7/16" x 1-1/4" Carriage Bolt (4 req'd on Model BA872)
E*	6	5/8" Hex Nuts	M*	2	7/16" Flat Washers (4 req'd on Model BA872)
F*	6	5/8" D-Shape Flat Washers	N*	2	7/16" Lock Washers (4 req'd on Model BA872)
G*	6	5/8" Lock Washers	O*	2	7/16" Hex Nuts (4 req'd on Model BA872)
H*	8	3/8" x 1-1/2" Spring Pins	P	1	Pole Cap
* Stainless Steel on BA871 and BA872 Coastal System					

**Warning!!!**  
 The *Extension Arm* is EXTREMELY heavy!  
 Stay Away from the area Below the *Extension Arm/Backboard* while installing or adjusting!  
**Serious injury or death may occur.**

- ◆ To eliminate the possibility of vandals loosening the extension arm clamp bolts, distort the threads with a hammer and chisel when installation is complete.
- ◆ Inspect all contents prior to installation. Report any missing parts to dealer immediately.
- ◆ Read all instructions before proceeding.

TOOLS/MATERIALS REQUIRED	
2 each 15/16" Wrench	1 each Post Hole Digger
2 each 5/8" Wrench	1 each Carpenters Level
2 each 9/16" Wrench	1 each Step Ladder
1 each Tape Measure	9-10 each Pre-Mix Concrete Bags (1/3 Cubic Foot Bags)
Bracing Materials	

1. Position the *Vertical Pole (A)* taking into consideration that the *BA47 Backboard (I)* will be approximately 5' from the front of the *Vertical Pole (A)*. Dig a 12" minimum diameter by 48" deep hole. It is advisable to bell out the bottom of the hole about 4" larger in diameter. A larger diameter hole is always better than a hole that is not large enough.
2. Make sure that you have the following tools available prior to pouring the concrete footing: a level, a broomstick or similar pole, bracing materials, and a tape measure. If you have made your hole larger than 12" Dia. x 48" deep, than you will require more concrete. Having enough concrete before you start will ensure proper strength of the footing.
3. Mix concrete according to instructions on the bag. It is advantageous to have the mixture be "wet". This will increase your working time and allow the batches to mix in the hole. Pour the hole full to ground level. Insert the broomstick into the wet concrete and agitate up and down, REPEAT SEVERAL TIMES. Insert the *Vertical Pole (A)* into the concrete while continuing to agitate broomstick to ensure the mixture fills in good around the *Vertical Pole (A)*. Make sure that at least 100" of pole extends above desired playing surface to ensure official 10'-0" playing height. (Approximately to decal on pole, **see illustration.**) Clean excess concrete off of the *Vertical Pole (A)* with a damp towel and smooth the top of the footing. Level the *Vertical Pole (A)* and apply bracing materials to support while concrete cures.
4. Install 4 (four) *Spring Pins (H)* in *Mounting Plate (C)* so that they are flush with the back side of the *Mounting Plate (C)*. Install 4 (four) *Spring Pins (H)* in the *Mounting Plate (C)* on the *Extension Arm (B)* with the *Spring Pins (H)* flush to the *Backboard (I)* side. These *Spring Pins (H)* are essential to the alignment of the *Extension Arm (B)* to the *Vertical Pole (A)*. Spring pins will be pre-installed in "Hot-Dip" Galvanized poles.
5. After allowing 48 hours curing time for the concrete, mount the *Extension Arm (B)* as shown using hardware provided. The *Extension Arm (B)* can be loosely mounted at the ground level and raised to correct height depending on equipment availability.

**WARNING! EXTENSION ARM IS EXTREMELY HEAVY! STAY AWAY FROM THE AREA BELOW THE EXTENSION ARM/BACKBOARD WHILE INSTALLING OR ADJUSTING. SERIOUS INJURY OR DEATH MAY OCCUR.**

6. Install the *Model BA47 Backboard (I)* over the top lip on the *Extension Arm (B)* and attach the *BA47 Backboard (I)* to arm with the 7/16" hardware provided (M)(N)(O). Finger tighten only.
7. Install the *Model BA39U Rim (J)* using the hardware provided with it.
8. Tighten all bolts making sure the *Model BA39U Rim (J)* is at the desired height.
9. Install the *Pole Cap (P)*.
10. To eliminate possible loosening of the extension arm bolts by vandals, which could cause serious injury or death, distort the thread on the six 5/8" x 8" *Hex Bolts (D)* with a chisel and hammer

