

— Instruction Manual —

Portable/Adjustable Basketball Systems

BA894GSR, BA894USR, BA894GCSTL, BA894UCSTL and Sportmaster 4.5

4 1/2' Safe Play Area



Assembly Video

PARTS LIST					
Item	Qty	Description	Item	Qty	Description
A	1	Portable Base	L	1	Breakaway Goal
B	2	Foot Pad (PC3670)	M	1	Breakaway Goal Hardware (Included in L above)
C	2	“L” Bracket	N	1 set	Pads (front, side, and arm)
D	4	3/8” X 4 1/2” Hex Bolt (FT1668)	O	20	1/4”-20 x 3/4” Flat Head Screw (FT1288)
E	2	Backboard Braces (1 right, 1 left)	P	2	Locator Pin
F	4	3/8” x 1” Hex Bolt (FT1541)	Q	10	Padding Bracket
G	8	3/8” Flat Washer (FT1950)	R	2	Floor Bushing
H	4	3/8” Lock Washer (FT1960)	S	1	Ratchet Wrench (PC3554)
I	4	3/8” Hex Nut (FT1080)	T	2	Jam Nut - FT1192
J	1	Backboard	U	2	Lock Collar - PC1936
K	1	Backboard Hardware (Included in J above)	V	2	Protective Rubber Cap - PC1215

⚠ WARNING!

Do not remove the safety strap until the backboard and goal installation is complete. This unit is under extreme spring tension and severe injury and damage will result.

- ◆ Inspect all contents prior to installation. Report any missing parts to dealer immediately.

◆ NEVER SUBSTITUTE LOCALLY SOURCED COMPONENTS FOR MISSING, LOST, OR DAMAGED FACTORY COMPONENTS.

- ◆ Carefully read all instructions before proceeding. Pay special attention to all safety instructions.
- ◆ Save this instruction in the event that the manufacturer must be contacted in the future for maintenance information.

NOTICE:

While gym floor installers and refinishers often indicate floors are OK to walk or play on in 7-10 days after oil based polyurethane finishes are applied, in reality, it can actually take up to 30 days for all the chemicals in the polyurethane to dissipate. Chemical reactions between the floor finish and certain materials including urethane feet contacting the floor can cause permanent discoloration. Placement of this product on floors prior to the 30-day final cure period may risk discoloration that would not be covered by the manufacturer’s warranty.

- Carefully lift the front of the *Portable Base* (A) with a forklift or 4 adults until the back wheels make contact. Remove and discard the shipping pallet. Install the *Foot Pads* (B) and then tighten the *Jam Nuts* (T) against the top of the *Foot Pads* (B). See Figure 1.
- Make sure *Portable Base* (A) is on a level floor. It is best to finish assembly on the floor where the *Portable Base* (A) will actually be used.

3. Start with the hex head of the backboard leveling bushings on the lower front of the extension arm threaded up against the rear of the backboard mounting plate. See Figure 2.

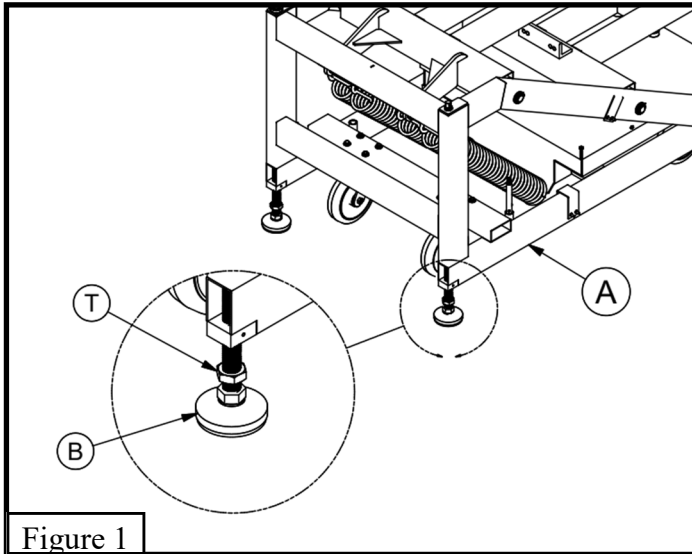


Figure 1

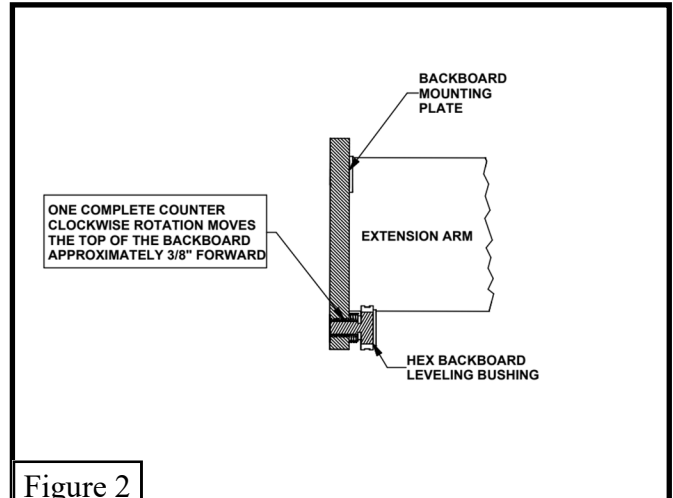


Figure 2

⚠ WARNING!

Step 4 requires 2-3 strong adults for safe installation.

4. Mount the *Breakaway Goal* (L) and the *Backboard* (J) using $3/8"$ x $4 1/2"$ Hex Bolts (D) through the *Breakaway Goal* (L) and the *Backboard* (J) and the holes in the backboard mounting plate. Install $3/8"$ flat washers, lock washers, and hex nuts that are included in the *Breakaway Goal Hardware* (M). See Figure 3. **Leave hardware finger tight only at this time.**
5. Carefully remove the safety strap that holds the extension arm in the storage position only after backboard and rim are installed..
6. Lower the two *Foot Pads* (B) (raising the front of the base) using the *Ratchet Wrench* (S) until the extension arm is level front to back and the *Portable Base* (A) is level left to right. See Figure 4.

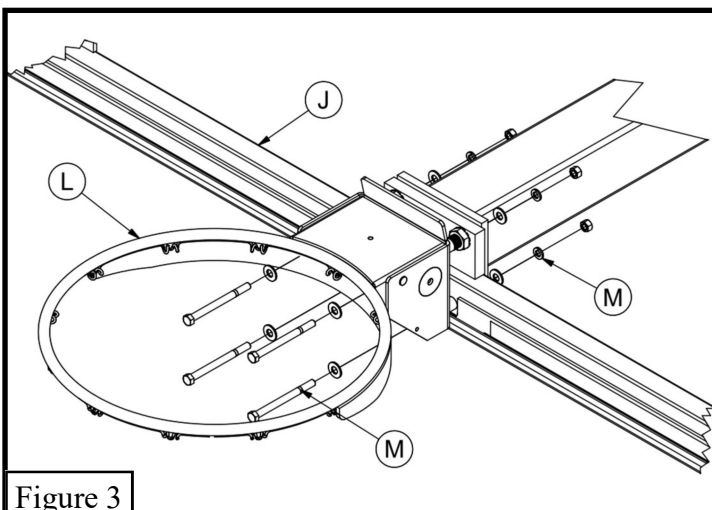


Figure 3

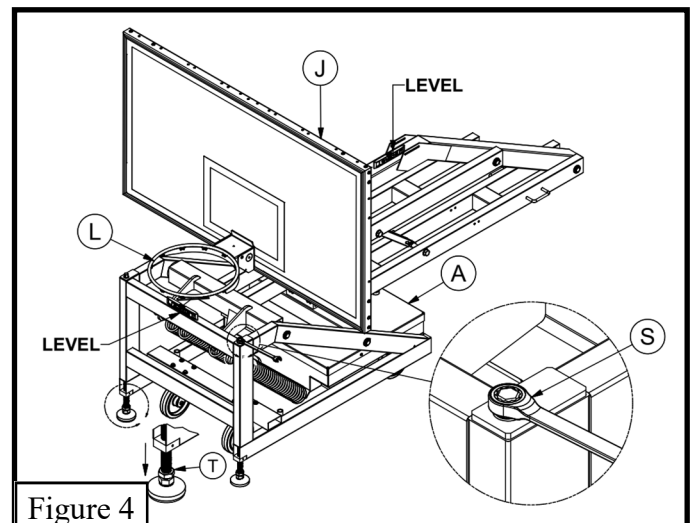


Figure 4

7. Tighten the *Breakaway Goal Hardware* (M) making sure that the *Backboard* (J) and *Breakaway Goal* (L) are level left to right and the *Backboard* (J) is perpendicular to the floor.
8. Before attaching *Backboard Braces* (E) to the unit, raise the goal to the official 10' playing position and insert the lock pin into the telescoping brace. See Figure 5.

⚠NOTICE:

Never raise or lower front leveling pads with power tools as it will cause damage to the adjustment screw and nut resulting in unit failure. Regularly apply a heavy grease lubricant to adjustment screw threads.

9. Measure the *Breakaway Goal* (L) height and, if necessary, adjust the two front *Foot Pads* (B) up or down equally as needed to get the front of rim to an official 10' height using the *Ratchet Wrench* (S) provided. Make sure that the entire *Portable Base* (A) is still level left to right.

10. If the *Backboard* (J) is perpendicular to the floor **and** if the *Backboard* (J) **and** *Breakaway Goal* (L) are level in every direction **and** the *Breakaway Goal* (L) is at 10', lower the unit to the storage position and proceed to #15.

11. **OR...** If the top of the *Backboard* (J) is leaning back so that it is not perpendicular to the floor in the playing position, lower the entire unit to the storage position leaving the *Foot Pads* (B) in the same position.

12. Loosen the *Breakaway Goal Mounting Hardware* (M) just enough to allow adjustment of the backboard leveling bushings. See Figure 6.

13. Rotate the two backboard leveling bushings counter clockwise equally to level the *Backboard* (J) top to bottom. For reference, one full rotation (360°) will move the top of the *Backboard* (J) approximately 3/8" forward. When the bushings are adjusted, retighten all *Breakaway Goal Hardware* (M) making sure the *Backboard* (J) and *Breakaway Goal* (L) are level from left to right and the *Backboard* (J) is perpendicular to the floor. Raise the unit to playing position. Remeasure the *Breakaway Goal* (L) height.

14. If necessary; repeat steps 11-13 until the *Backboard* (J) and *Breakaway Goal* (L) are level in every direction and the *Breakaway Goal* (L) is at the official 10' height in the raised position. Lower the unit to the storage position.

15. Attach the *Backboard Braces* (E) as described in 16-17 below. **Be careful when tightening the backboard brace bolts to avoid putting forward or twisting stress on the backboard as glass breakage is possible.**

16. On each *Backboard* (J) corner install one "*L*" *Bracket* (C) with 3/8" carriage bolts, flat washers and hex nuts included with the *Backboard Hardware* (K). **Leave hardware finger tight only.** The brackets will need to move to attach to the *Backboard Braces* (E). See Figure 7.

17. Mount the *Backboard Braces* (E) to the *L Brackets* (C) that mount to the top of the corners of the *Backboard* (J). See Figures 8 and 9.

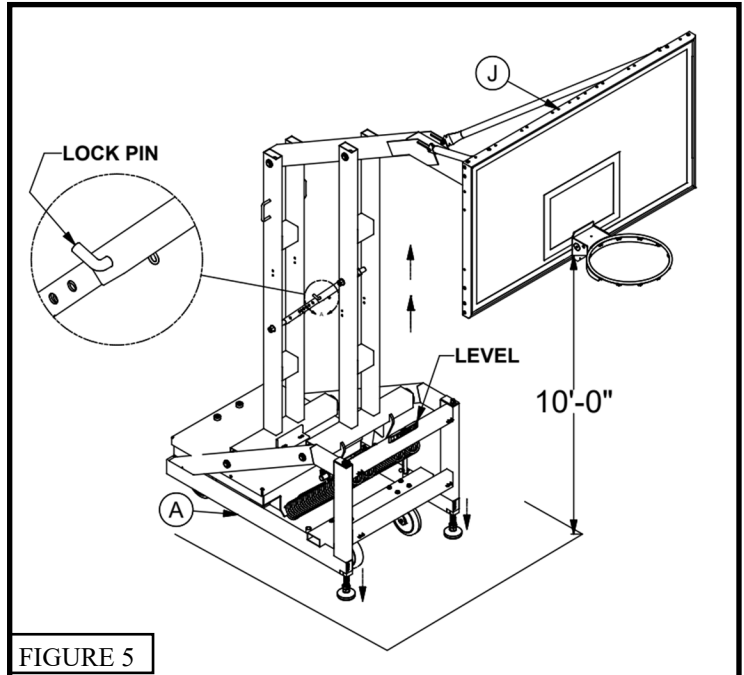


FIGURE 5

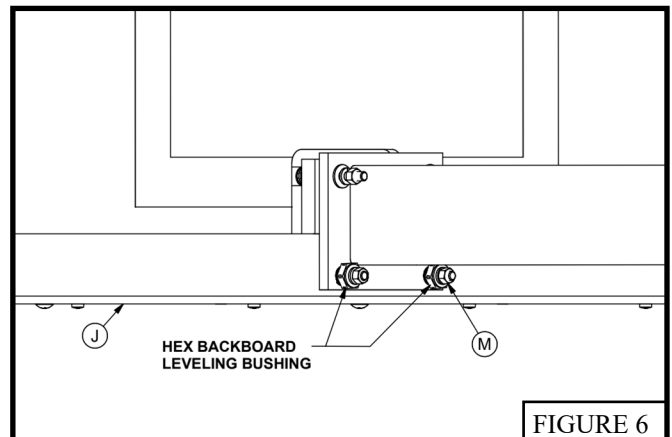
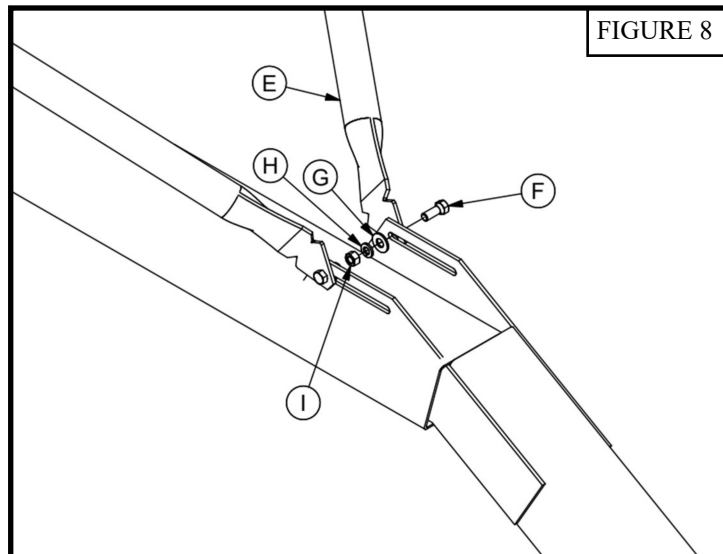
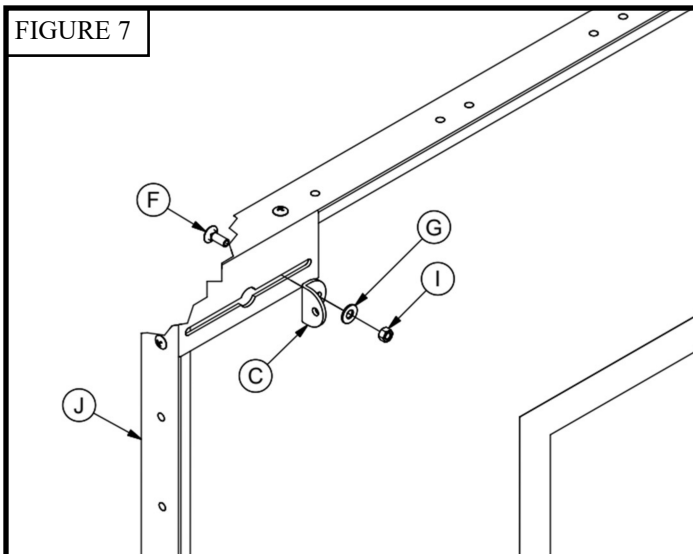
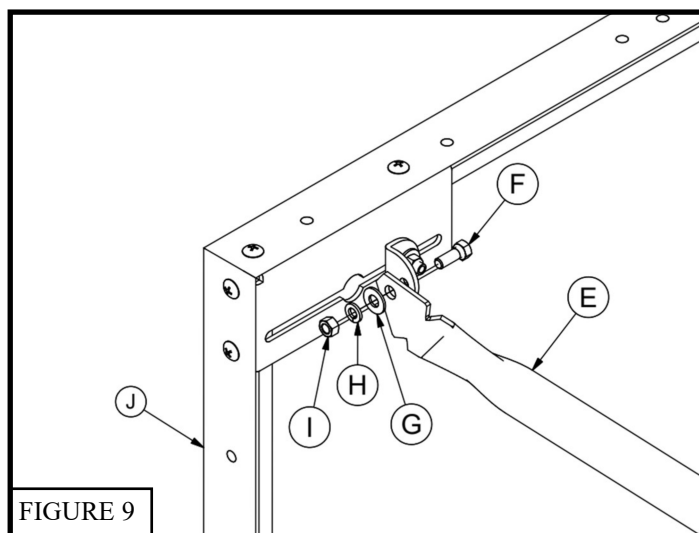


FIGURE 6



18. Attach *Backboard Braces* (E) to the extension arm with $3/8" \times 1"$ *Hex Bolts* (F), *Flat Washers* (G), *Lock Washers* (H) and *Hex Nuts* (I). Attach *Backboard Braces* (E) to the "L" *Brackets* (C) with $3/8" \times 1"$ *Hex Bolts* (F), *Flat Washers* (G), $3/8"$ *Lock Washers* (H) and *Hex Nuts* (I). Tighten all hardware components once in position making sure there is no stress on the backboard. See Figures 8 and 9.



19. With the top of the *Breakaway Goal* (L) at 10', lower the *Lock Collars* (U) preinstalled on the leveling screws until they are tight against the *Portable Base* (A). Tighten the set screws to insure easy repeat adjustment to the official 10' *Breakaway Goal* (L) height. See Figure 10.
20. Install *Padding Brackets* (Q) on the *Front and Side Pads* (N) with $1/4"$ -20 *Flat Head Screws* (O). Install *Front and Side Pads* (N) to the *Portable Base* (A) by sliding the *Padding Brackets* (Q) over the base frame. Tighten the bracket set screws once padding is properly positioned. See Figure 12.
21. To adjust goal playing height remove rim height lock pin and raise or lower to desired height and reinstall rim height lock pin. The distance from the front of the backboard to the front of the base decreases as the rim is lowered. See Figure 12.

⚠ NOTICE:

Never use the backboard or rim to reposition the unit as unwarranted backboard breakage will likely occur.

22. Move the *Portable Base* (A) to the desired location for use and lower the *Locator Pins* (P) to mark the appropriate placement for the *Floor Bushings* (R). See Figure 13.

NOTE:

The locator pins and floor bushings are an included user option for repeat positioning of the unit in reference to a playing surface and to eliminate side shift during aggressive play.

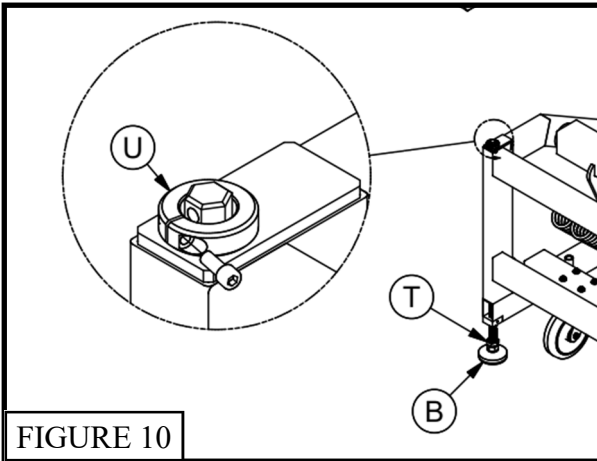


FIGURE 10

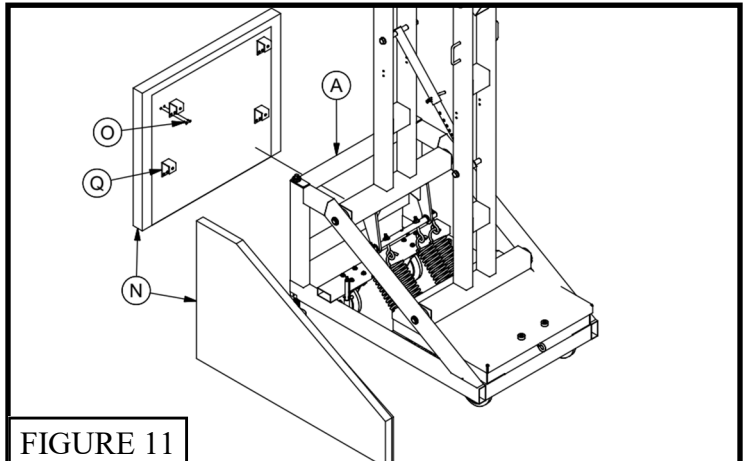


FIGURE 11

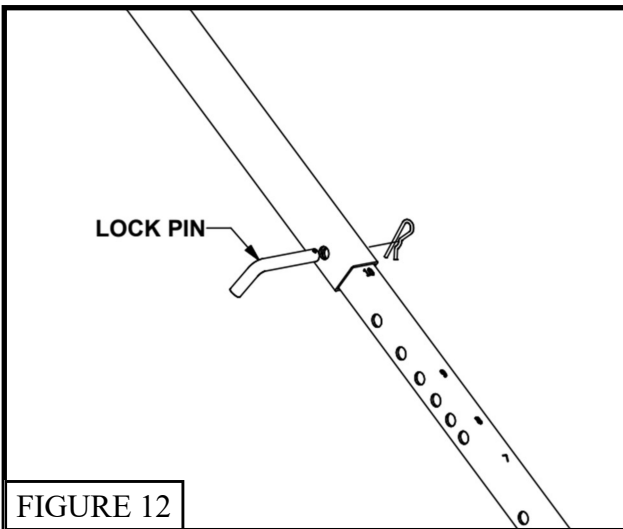


FIGURE 12

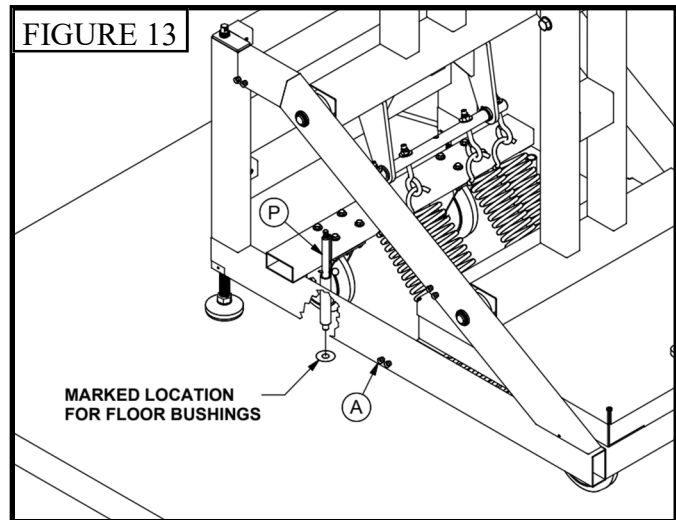


FIGURE 13

- 23 Carefully drill 7/8" diameter hole in playing surface and press in the *Floor Bushings* (R) flush with playing surface. Use construction adhesive to secure into place being careful not to leave adhesive in the inside diameter. See figure 14.

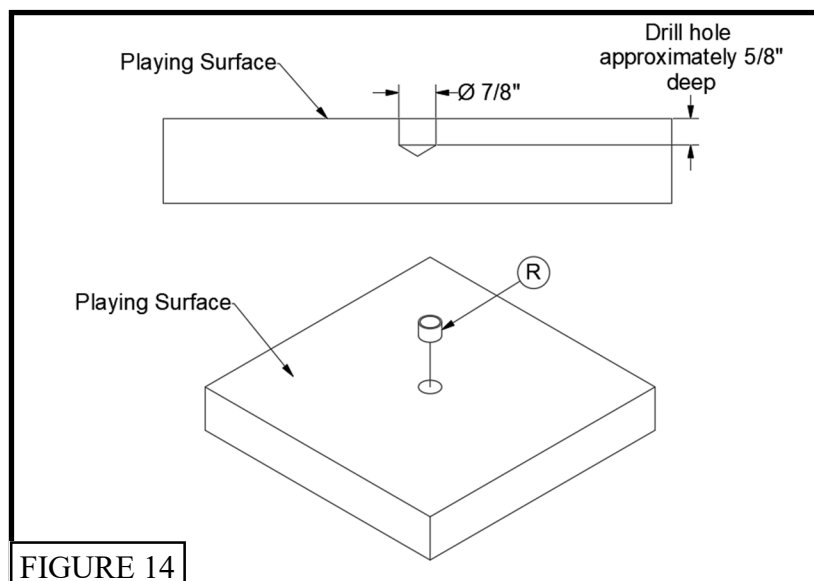


FIGURE 14

24. Although designed with adequate ballast for safe play, the back of the unit might bounce slightly with excessive hanging. If you want additional stability during heavy play purchase optional BA898HD2 Portable Hold Down Kit to anchor the rear of the unit to the floor.
25. During the lifetime of this product you may need to adjust the tension of the lift springs. This is accomplished by tightening each spring individually and equally with the tensioning nuts. **Under no circumstances should these nuts be removed.**
26. Use *Protective Rubber Cap* (V) to protect players from contact with the top of the threaded adjustment rod.

⚠ WARNING!

DO NOT hang on the rim or any part of system including backboard, support braces, or net. DO NOT slide, climb, or play on system. When adjusting height, keep hands and fingers away from moving parts. DO NOT allow young children to adjust or move system. DO NOT wear jewelry (rings, watches, necklaces, etc.) during play. DO NOT operate without the factory installed ballast. DO NOT attempt to setup or move the system on uneven surfaces. Check system before each use for loose hardware, excessive wear and general instability, then perform any repairs before play is allowed. NEVER play on damaged equipment.