

— Instruction Manual —
Portable/Adjustable Basketball Systems
T-REX, Sportmaster
4 1/2' Safe Play Clearance

PARTS LIST					
Item	Qty	Description	Item	Qty	Description
A	1	Portable Base	J	1	Backboard
B	2	Foot Pad	K	1	Backboard Hardware
C	2	“L” Bracket	L	1	Breakaway Goal
D	4	3/8” X 4” Hex Bolt	M	1	Breakaway Goal Hardware
E	2	Backboard Braces (1 right, 1 left)	N	1 set	Pads (front, side, and arm)
F	4	3/8” x 1” Hex Bolt	O	20	1/4”-20 x 3/4” Flat Head Screw
G	4	3/8” Flat Washer	P	2	Locator Pin
H	4	3/8” Lock Washer	Q	10	Padding Bracket
I	4	3/8” Hex Nut	R	2	Floor Bushing

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.
- ◆ 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.

Warning!
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.

1. 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 against the *Foot Pads* (B). See Figure 1.
2. 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. Make sure the head of the backboard leveling bushing is threaded up against the backboard mounting plate. See Figure 2.

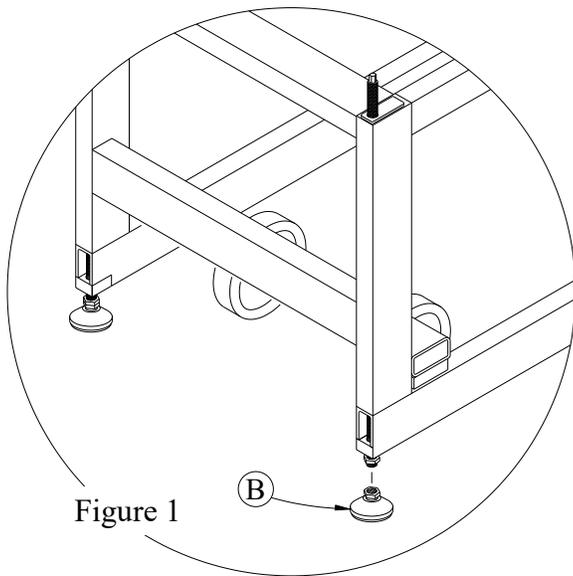


Figure 1

ONE COMPLETE COUNTER
CLOCKWISE ROTATION
MOVES THE TOP OF THE
BACKBOARD APPROXIMATELY
3/8" FORWARD

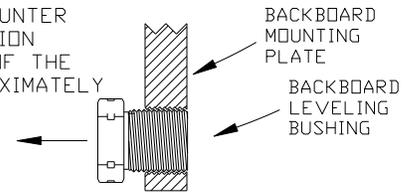


Figure 2

4. Mount the *Breakaway Goal* (L) and the *Backboard* (J) using $3/8'' \times 4''$ *Hex Bolts* (D) through the *Breakaway Goal* (L) and the *Backboard* (J) and the holes in the extension arm mounting plate and installing $3/8''$ flat washers, lock washers, and hex nuts that are included in the *Breakaway Goal Hardware* (M). See Figure 3. **Leave hardware finger tight only.**
5. Remove the safety strap.
6. Lower the *Foot Pads* (B) (raising the front of the base) until the extension arm is level front to back and the *Portable Base* (A) is level left to right. See figure 4.

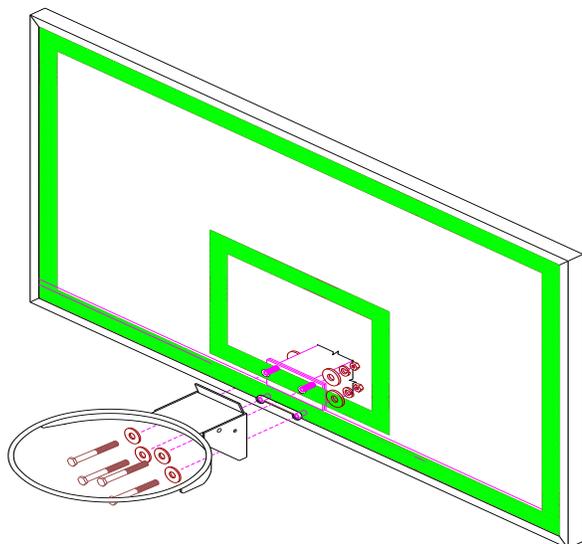


Figure 3

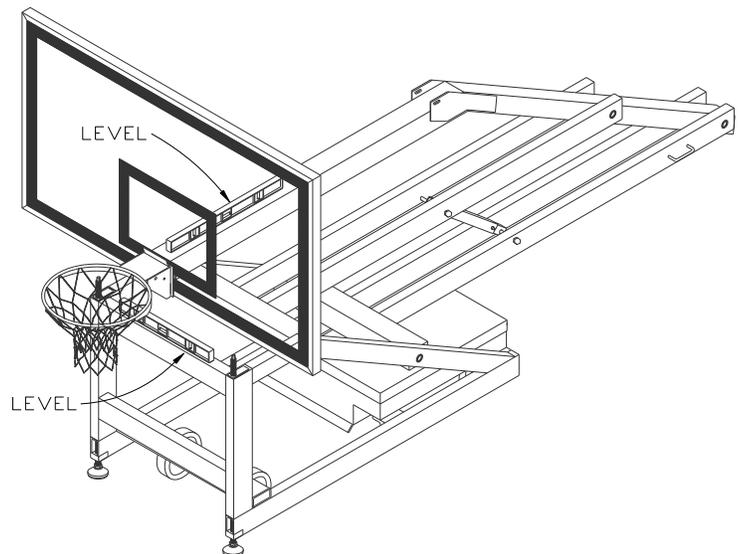


Figure 4

Warning!

Never use the backboard to push or pull the system as unwarranted backboard breakage will likely occur.

7. Adjust the *Breakaway Goal* (L) and the *Backboard* (J) until they are level. Tighten the *Breakaway Goal Hardware* (M) making sure that the *Backboard* (J) remains level left to right and perpendicular to the floor.
8. Without attaching *Backboard Braces* (E) to the unit, raise the goal to the official playing position.
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 the rim to an official 10' height. 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.
11. On backboard corners install "*L*" *Brackets* (C) with 3/8" carriage bolts, flat washers and hex nuts included with the *Backboard Hardware* (K). **Leave hardware finger tight only.** The brackets need to rotate to fit with *Backboard Braces* (E).
12. In order to attach the *Backboard Braces* (E) you will have to bend one end of the *Backboard Braces* (E) that attach to the extension arm. This is best accomplished with a vice, however if one is not available you can use the opening indicated in figure 6 to bend the brace. The brace should be bent at such an angle that the unbent ends of the *Backboard Braces* (E) fit securely to the "*L*" *Brackets* (C).
13. Attach *Backboard Braces* (E) to the extension arm with 3/8" x 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" carriage bolts, flat washers and hex nuts included with the *Backboard Hardware* (K). Tighten all hardware components once in position. Components may not fit flush, but should be secure. See Figures 7 and 8.
14. **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 and proceed.
15. Loosen the *Breakaway Goal Mounting Hardware* (M) just enough to allow adjustment of the backboard leveling bushing. See Figure 2.
16. **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 and proceed.
17. Loosen the *Breakaway Goal Mounting Hardware* (M) just enough to allow adjustment of the backboard leveling bushing. See Figure 2.
18. Rotate the two backboard leveling bushings counter clockwise equally to level the *Backboard* (J) top to bottom. One full rotation (360°) will move the top of the *Backboard* (J) approximately 3/8". When the bushings are adjusted, retighten all *Breakaway Goal Hardware* (M) and *Backboard Hardware* (K) making sure the *Backboard* (J) and *Breakaway Goal* (L) are level from left to right. Raise the unit to playing position. Measure the *Breakaway Goal* (L) height.

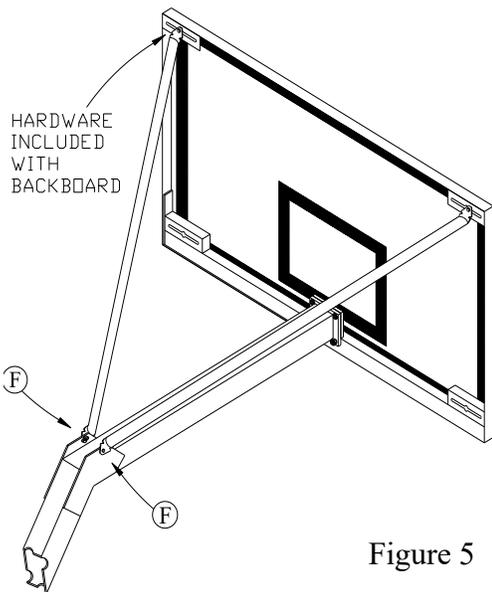


Figure 5

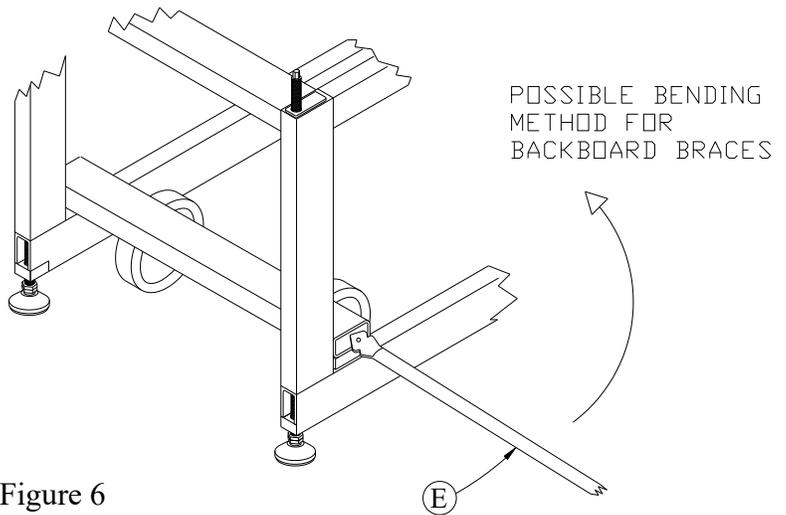


Figure 6

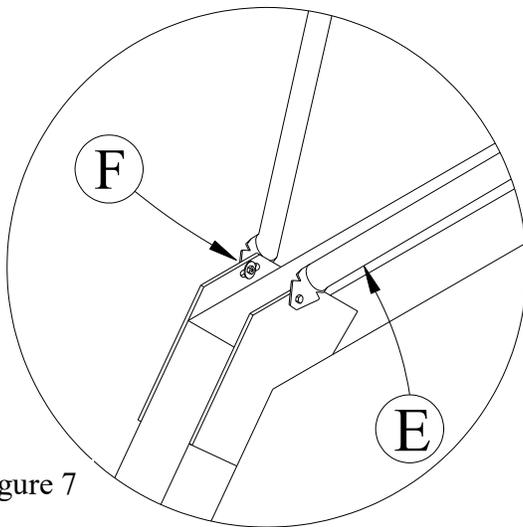


Figure 7

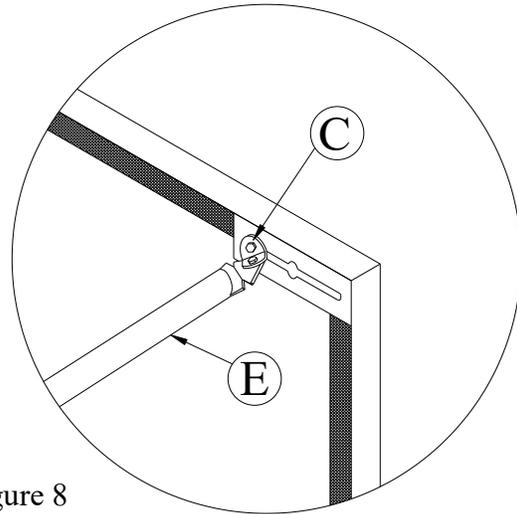


Figure 8

19. If necessary; repeat these steps until the *Backboard* (J) and *Breakaway Goal* (L) are level in every direction and the *Breakaway Goal* (L) is at the official 10' height. Lower the unit to the storage position. Attach the *Backboard Braces* (E) as described in step 11. **WARNING! Be careful to tighten the brace bolts without putting forward or twisting stress on the backboard as glass breakage is possible.**
20. Lower the lock collars 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 9.

WARNING:

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.

21. Install *Padding Brackets* (Q) on the *Front* and *Side Pads* (N) with 1/4"-20 *Flat Head Screws* (O). Then install *Front, Side, and Arm Pads* (N). See Figure 10.
22. To adjust goal height remove detent pin and raise to desired height and reinstall detent pin. See Figure 11.
23. 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 12.

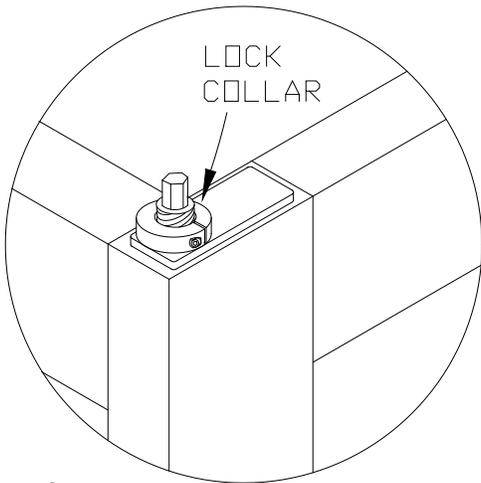


Figure 9

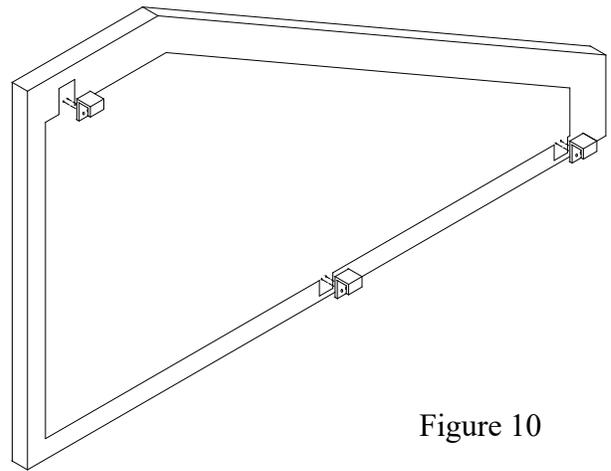


Figure 10

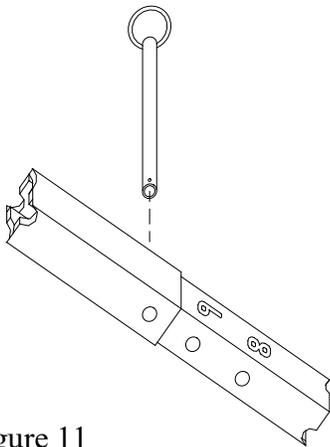


Figure 11

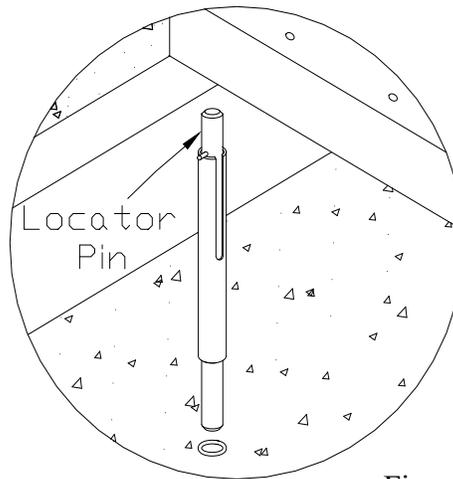


Figure 12

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.

24. Drill 7/8" diameter hole and press in the *Floor Bushings* (R) flush with playing surface.
25. Although designed with adequate ballast the back of the unit will bounce slightly with excessive hanging. If you want additional stability during heavy play contact your dealer for a portable hold down kit to anchor the rear of the unit to the floor.
26. 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 all springs equally. **Under no circumstances should these nuts be removed.**

SAFETY 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 proper factory 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.