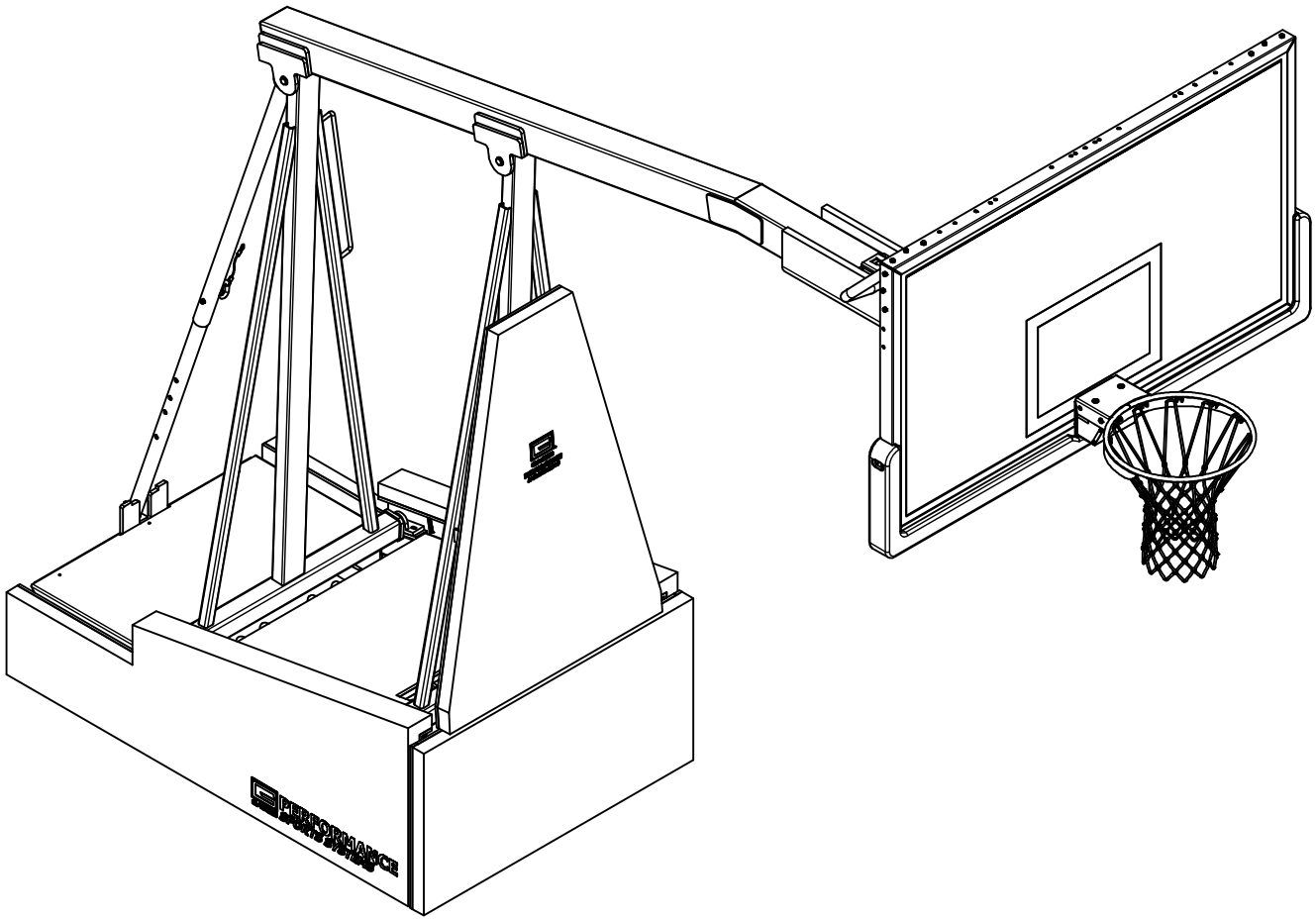
Hoopmaster® Portable Backstop
Models: 9405, 9407, 9408



Please read & understand all instructions before attempting installation or operation of this product.
Save these instructions for future use.

Installation and Assembly Instructions

GARED PERFORMANCE SPORTS SYSTEMS

Gared Performance
Sports Systems
info@garedperfsports.com
800-325-2682

HOOPMASTER PORTABLE BACKSTOPS: 9405, 9407, 9408

DATE	SHT. NO.	PART NO.	REV NUM	REV LTR
6/18/2026	1 OF 14	551753828	000	F

Table of Contents

Section	Page No.
Introduction/Liability Disclaimer	2
Safety Instructions	3
Parts Checklist	4
Parts Illustration	5
Assembly and Installation Instructions	6-12
Operation Instructions	13
Maintenance	14

Introduction/Liability Disclaimer

Thank you for your purchase of a Gared Performance Sports Systems product. To ensure that our equipment will provide years of use to you, we are including this installation, operation (when applicable), and maintenance guide. This guide will provide information on the proper assembly and installation methods, operating procedures (when applicable), and preventative maintenance of your new product.

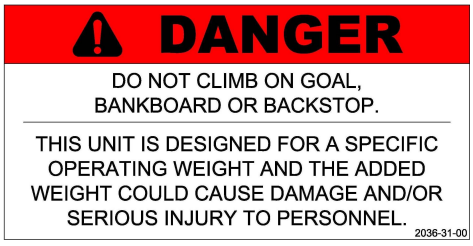
Please note that a parts checklist is included with this guide. Please check that all the parts called out on the checklist are present prior to beginning assembly and setup. Please do not substitute for factory parts. Please contact the Gared Performance Sports Systems customer service department and allow them to determine if substitute parts are acceptable.

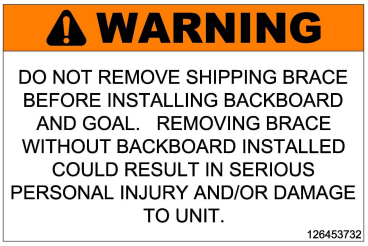
It is recommended that individuals who have been properly trained perform assembly and set up. No one under the age of 18 should attempt assembly or set up of the unit unless properly supervised.

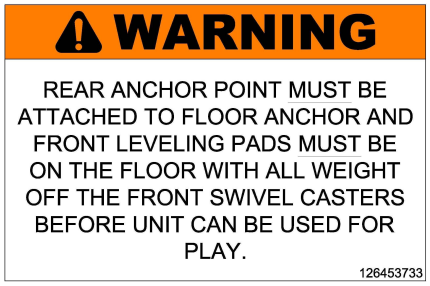
To prevent normal wear and tear from shortening the life of the unit, preventative maintenance inspections and repairs should be performed at least once a year. If the units are subject to high or unusual usage, inspections should be scheduled to occur more frequently. If items are found to be nonconforming, replacement parts can be ordered from Gared Performance Sports Systems or one of our authorized dealers. When contacting Gared Performance Sports Systems, please have information regarding the dealer/installer who sold the unit, the name of the project, and any applicable warranty information.

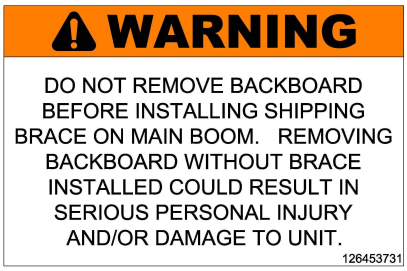
Safety Instructions

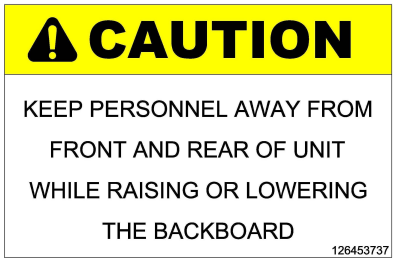
Read and understand the following warnings to prevent possible personal injury and potential damage to the equipment during assembly, setup, and operation. Decals for each of the warnings below to be installed on the unit. Ensure all warning decals are present on the unit and are easily readable.

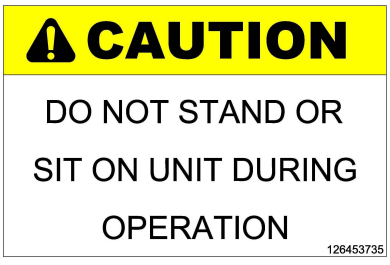


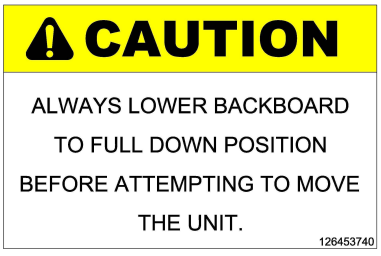












Before proceeding with assembly, read all instructions and assembly procedures. Make sure all parts have been received and are not damaged.

Parts Checklist

Verify all parts listed are present prior to assembly and installation. Please contact Gared Performance Sports Systems customer service department for assistance with replacement of any missing or damaged parts.

The following parts have been packed separately.

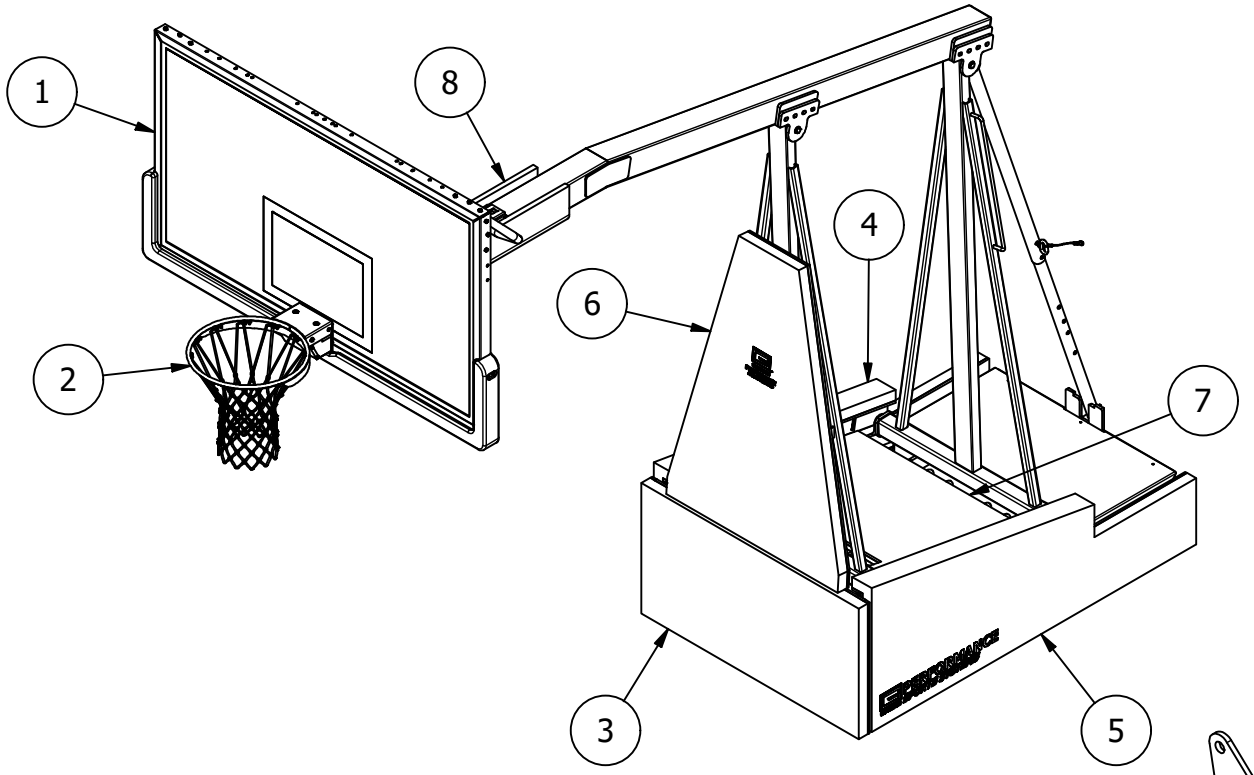
Because these units can use a variety of backboards and goals, the specific part number is not referenced in the table. Please refer to your packing slip to verify the correct board and goal has been received.

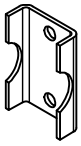
Item	Description	QTY	Part Number
1	BACKBOARD	1	REFER TO PACKING LIST
2	GOAL	1	REFER TO PACKING LIST
3	FRONT BASE PAD	1	556453484
4	LH BASE PAD	1	556453485
5	RH BASE PAD	1	556453486
6	UPRIGHT PAD	1	556453487
7	CENTER UNIT COVER	1	556453726
8	BOOM PAD	1	556453798
9	BACKBOARD BRACE CLAMP	1	556453270
10	BACKBOARD BRACE YOKE	1	556453272
11	BACKBOARD BRACE ATTACHMENT BRACKET	2	556453273
12	FRONT PAD HINGE BRACKET	2	556453390
13	STABILIZER SCREW	2	556554007
14	LEVELING PAD	2	106553548
15	LOCATOR PIN	2	3001-15-05
16	REAR ANCHOR TIE DOWN BOLT	1	3005-15-05
17	1" THREADED SHAFT COLLAR	2	101121027
18	3/4" OD X 5/8 ID BRASS FLANGE BUSHING	2	5025-08-00
19	1/4"-20 X 1.5" GRADE 2 STUD	10	111163811
20	1/4"-20 X 1" PHILLIPS PAN HEAD MACHINE SCREW	6	223-4-20-16Z
21	3/8"-16 X 1" CARRIAGE BOLT	4	501-6-16-16
22	3/8"-16 X 2-1/4" CARRIAGE BOLT	2	501-6-16-36
23	3/8"-16 X 3-1/2" CARRIAGE BOLT	2	501-6-16-56
24	1/4"-20 X 1" HEX HEAD BOLT	2	502-4-20-16SS
25	3/8"-16 X 1" HEX HEAD BOLT	4	502-6-16-16
26	1/4"-20 HEX NUT	10	541-4-20Z
27	1/4"-20 HEX NYLON LOCK NUT	2	545-4-20Z
28	3/8"-16 HEX WHIZ-LOCK NUT	8	548-6-16
29	1/4" FLAT WASHER	26	561-4
30	3/8" FLAT WASHER	4	561-6
31	3/8" LOCK WASHER	2	562-6
32	REAR ANCHOR FLOOR INSERT	1	REFER TO PACKING LIST
33	60MM PAD ATTACHMENT CLIP	2	556401123
34	PAD RETAINER CLIP	6	556554095
35	1/4"-20 X 3/4" PHILLIPS PAN HEAD MACHINE SCREW	16	223-4-20-12

Parts Illustration

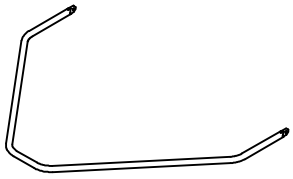
NOTE:

Balloon numbers throughout this manual will match the ***Item*** numbers in the ***Parts Checklist.***

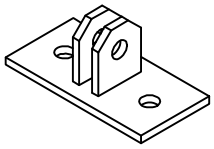




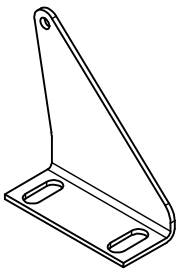
ITEM 9: BOARD BRACE CLAMP
(PN: 556453270)



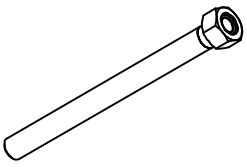
ITEM 10: BACKBOARD BRACE
(PN: 556453272)



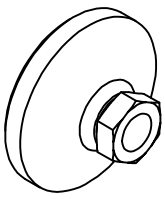
ITEM 11: BOARD BRACE MOUNTING BRACKET
(PN: 556453273)



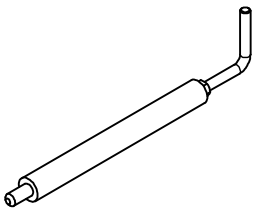
ITEM 12: FRONT PAD BRACKET
(PN: 556453390)



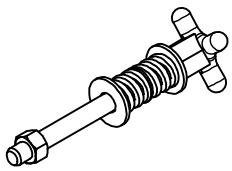
ITEM 13: STABILIZER SCREW WELDMENT
(PN: 556554007)



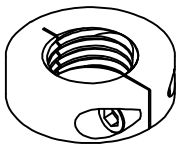
ITEM 14: LEVELING PAD
(PN: 106553548)



ITEM 15: LOCATOR PIN
(PN: 3001-15-05)



ITEM 16: TIE DOWN BOLT
(PN: 3005-15-05)



ITEM 17: SHAFT COLLAR
(PN: 101121027)

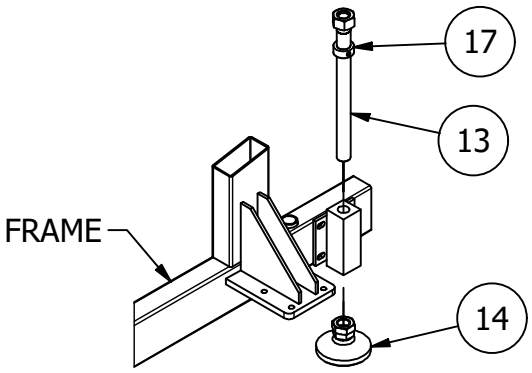
Assembly and Installation Instructions

Required Tools:

- 1-1/8" socket and wrench
- 1/2" wrench and socket
- 9/16" wrench and socket
- 3/4" wrench
- Adjustable wrench
- #2 Phillips screwdriver
- Flat blade screwdriver
- Allen wrench set
- Two plumb bobs with string
- Bubble type level
- Tape Measure
- Hand drill
- 1" spade bit
- 3/4" drill bit
- Masking tape
- Pencil
- See installation instructions for Rear Floor Insert (Item 33) for additional tools required.

1. Install a 1" Threaded Shaft Collar (ITEM 17) onto each Stabilizer Screw (ITEM 13). Thread the shaft collars up to the nut at the top of the stabilizer screw and loosely tighten the locking screw to keep the collar from rotating during assembly.

2. Install the Stabilizer Screws (ITEM 13) into the frame. Adjust the stabilizer screw with about 1" to 1-1/2" of the screw extended below the frame brackets.

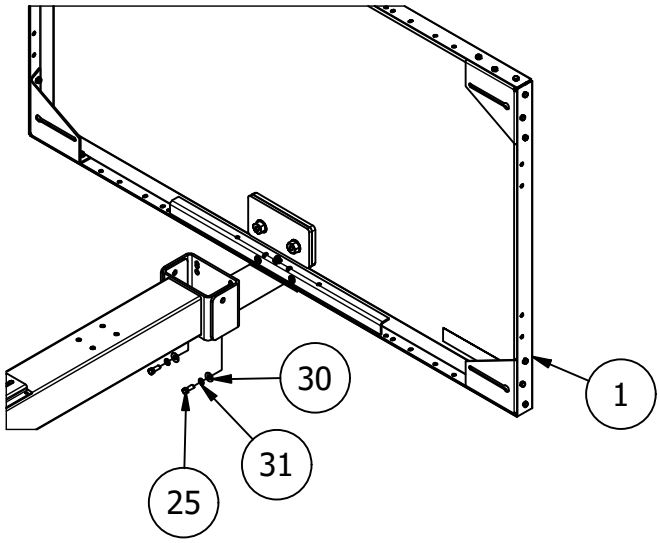


3. Apply Loctite® to the threads of the Leveling Pad (ITEM 14) and attach the leveling pads to the stabilizer screw rod. Turn the nut on the leveling pad with a 1-1/8" wrench until tight. Tighten the jam nut against the leveling pad.

4. Use an adjustable wrench to lower the leveling pads to lift the front casters about 1/4" off the floor. Ensure the unit is raised evenly.

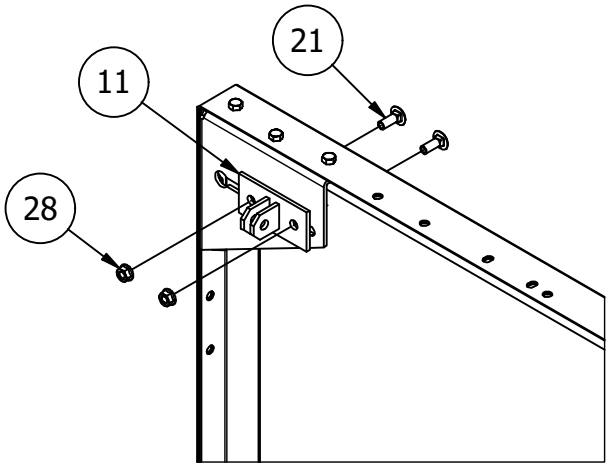
IMPORTANT NOTE:
Before proceeding to the next step, make sure enough individuals are available to assist with the mounting of the backboard to the unit. A minimum of two, preferably three, individuals is required for safe assembly of the backboard to the unit.

5. Position the backboard to the horizontal boom and install a 3/8"-16 x 1" Hex Bolt (ITEM 25) with a 3/8" Lock Washer (ITEM 31) and 3/8" Flat Washer (ITEM 30) in the lower two holes of the mounting plate and into the two tapped insert holes of the LXP backboard. Tighten these bolts securely.



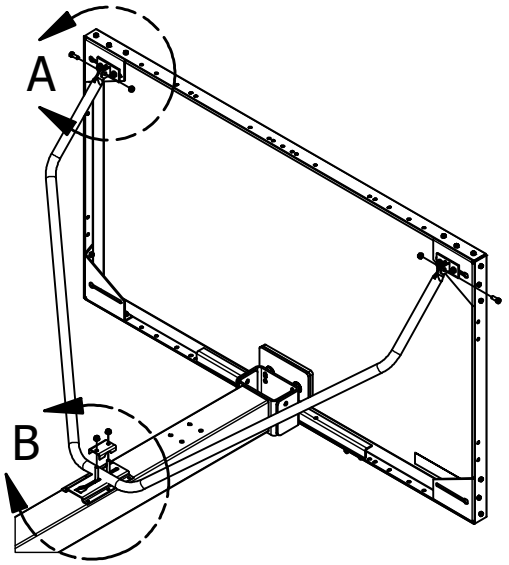
NOTE:
Do not fully tighten the bolts in steps 6 through 8. Snug tighten only. These bolts will not be tightened until after the backboard is leveled and plumbed later in the instructions.

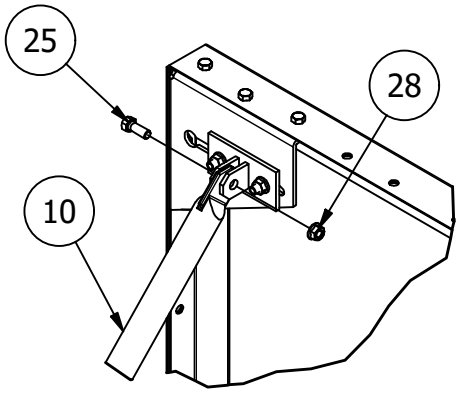
6. Attach the backboard brace brackets (ITEM 11) to the top corners of the backboard using 3/8-16 x 1" Carriage Bolts (ITEM 21) and 3/8" Whiz-Lock Nuts (ITEM 28).



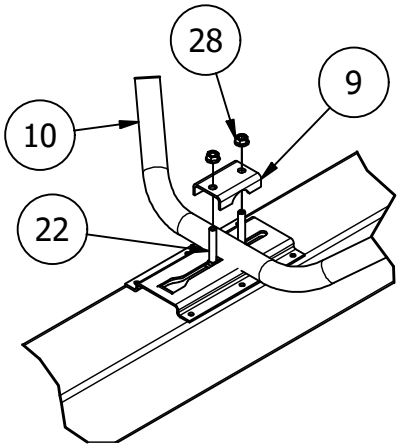
7. Attach the Backboard Brace Yoke (ITEM 10) to the brackets installed in step 6 using 3/8"-16 x 1" Hex Head Bolts (ITEM 25) and 3/8" Whiz-Lock Nuts (ITEM 28).

8. Position the Backboard Brace Clamp (ITEM 9) over the yoke and yoke attachment plate on the boom. Secure the clamp with 3/8"-16 x 2-1/4" Carriage Bolts (ITEM 22) and 3/8" Whiz-Lock Nuts (ITEM 28).





DETAIL A



DETAIL B

9. Using the hardware supplied with the goal, insert the two carriage bolts through the top goal mounting holes on the backboard and loosely install the nuts and washers on the back side of the board. Slide the goal over the carriage bolt heads and over the studs on the front of the board. Install the flat washer, lock washer, and nuts on the studs and tighten securely. Tighten the two carriage bolts securely.

10. Remove the shipping bracket from the main boom and store the bracket, threaded rods, and hardware in a location for future use when replacing backboards or storing the unit.

11. Using the crank handle, raise the leveling pads so that the front caster wheels rest firmly on the floor.

12. Using masking tape and pencil, mark the location of the center of the court 48" from the inside of the court baseline (refer to Figure 1). From this center mark, establish a mark 3'-0" to the left and another mark 3'-0" to the right. These marks will be used to align the face of bank to the court.

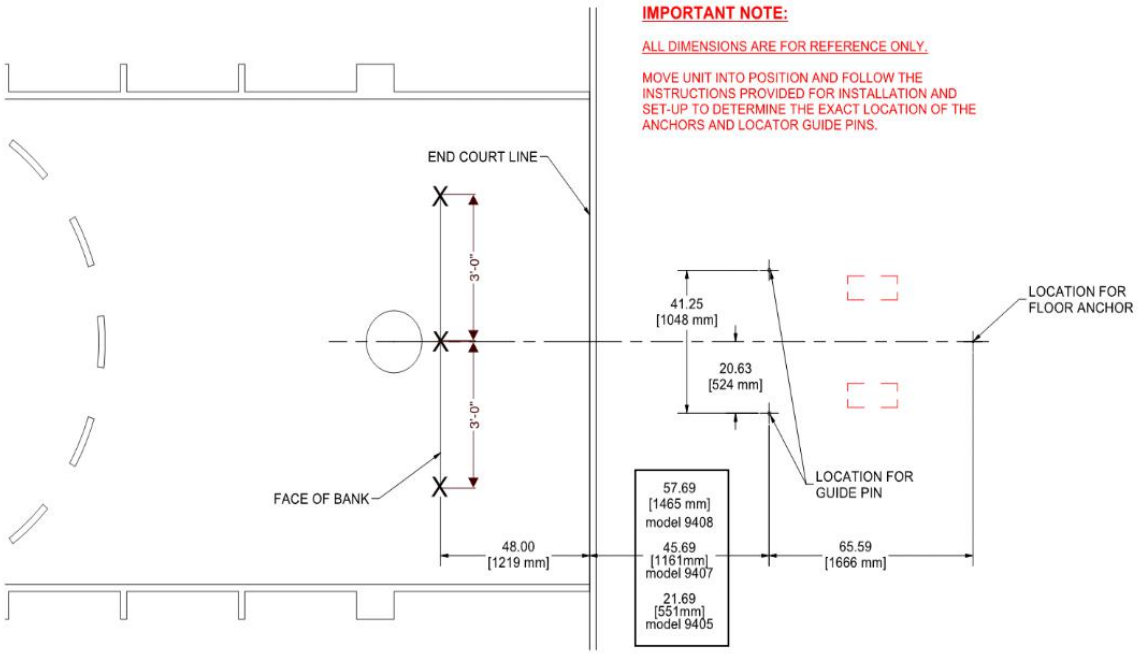


Figure 5

13. Push the unit to the playing location on the court. Find the dimensions for the guide pin location in Figure 5 to help set unit in place behind the baseline.

NOTE:
The location for the guide pin dimension is based upon the different Hoopmaster model sizes.

14. Lower the leveling pads and raise the front caster wheels about 1/4" off the floor. Ensure the unit is raised evenly.

15. Release the down latch with your foot and raise the boom to the 10'-0" playing position. Insert the safety pin into the sliding latch bar at the rear of the unit.

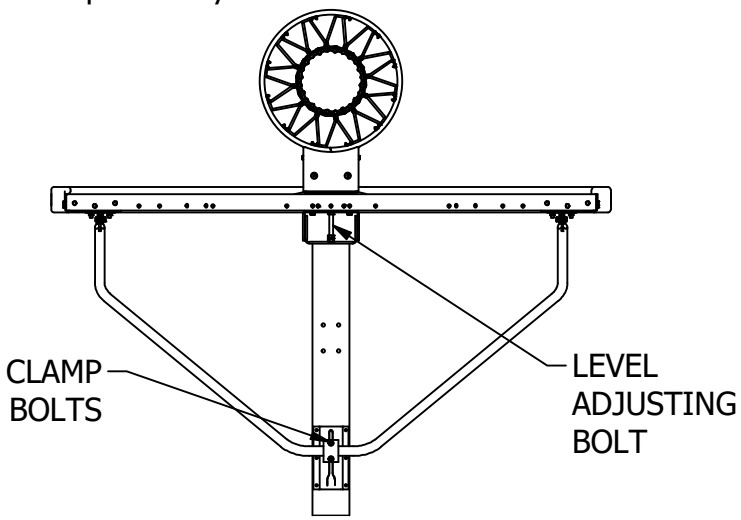
16. Check the 10'-0" goal height at the base of the goal. Adjust the leveling pads to obtain 10'-0" measurement, ensuring each pad is raised or lowered evenly.

17. Rotate the locking collar on the leveling screw down to contact the leveling screw plate and secure with the locking screw. The locking collar is used to ensure the leveling pads are always set at the correct height when the unit is moved or reinstalled.

18. To level the backboard in the horizontal plane, loosen the two goal carriage bolts and the two 3/8" bolts at the bottom of the board mounting bracket that attach the bracket to the backboard. Level the board and tighten all four bolts securely.

NOTE:
Do not remove the goal bolts or the 3/8" board mounting bolts. It is only necessary to loosen these bolts. Once the board has been leveled, make sure these bolts are securely tightened.

19. To level the backboard in the vertical plane, loosen the two carriage bolts at the board brace clamp on top of the boom. Using a 3/4" wrench, adjust the leveling bolt in the board mounting bracket until the backboard is plumb. Tighten the locking nuts on the leveling bolt. Tighten the two carriage bolts at the brace clamp securely.



20. Attach plumb bobs to the front corners of the backboard. Plumb bobs should hang down from the corners to where they are almost touching the floor.

21. Check plumb bobs with marks that were located in step 12. If the plumb bobs do not line up exactly with the marks on the floor, adjust the location of the unit accordingly.

22. Once the unit is relocated and the plumb bobs are exactly on the marks located in step 12, recheck all dimensions to make sure the 10'-0" playing height is correct and the face of the backboard is 4'-0" in front of the court baseline.

23. Insert the Locator Pins (ITEM 15) into the sleeves located in the bottom rail of the unit near the front caster wheels. Find the center of these pins on the floor and mark this measurement on the floor.

24. Locate the center of the rear anchor on the floor and mark this measurement on the floor.

25. Remove the safety pin from the locking bar and lower the unit to the full down position.

26. Raise the leveling pads and make sure the unit is completely on the caster wheels. Push the unit away from the playing location on the floor.

27. Refer to the installation instructions for the rear floor anchor found in the package of the Floor Insert (ITEM 32) and install the insert into the floor. This insert is to be installed at the rear anchor location marked on the floor in step 24.

28. Using a 1" spade bit and drill, drill a 1/8" deep counter-bore at the locations marked on the floor in step 23. Using a 3/4" drill bit and drill, drill through the rest of the floor at the center of each of the counter-bores.

29. Insert the brass floor inserts (ITEM 18) into the holes drilled in step 28.

30. Move the unit back into playing position. Insert the locator pins into the floor inserts. Lower the leveling pads to the locking collar.

31. Install the Rear Anchor Tie Down Bolt (ITEM 16) on the rear of the unit and secure the anchor bolt to the floor anchor insert.

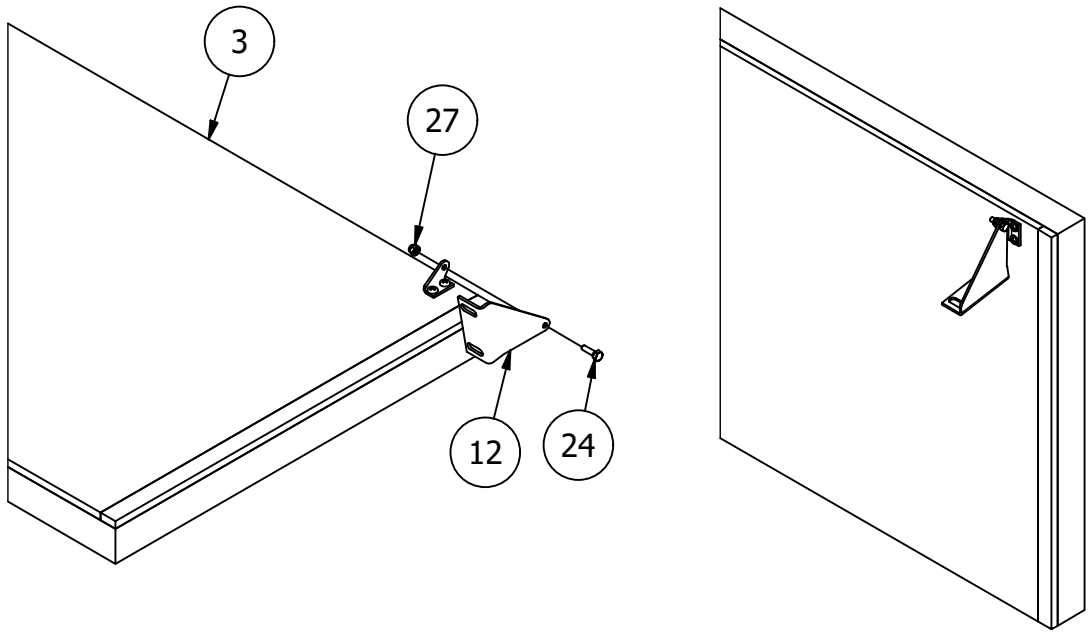
32. Attach the backboard padding to the backboard. Attach the Horizontal Boom Pad (ITEM 8) to the boom just behind the backboard.

33. Raise the unit to the playing position and insert the safety pin into the sliding locking bar.

34. Install the Upright Pad (ITEM 6) to the front upright using 1/4"-20 x 1" Pan Head Screws (ITEM 20). **Do not over torque hardware.**

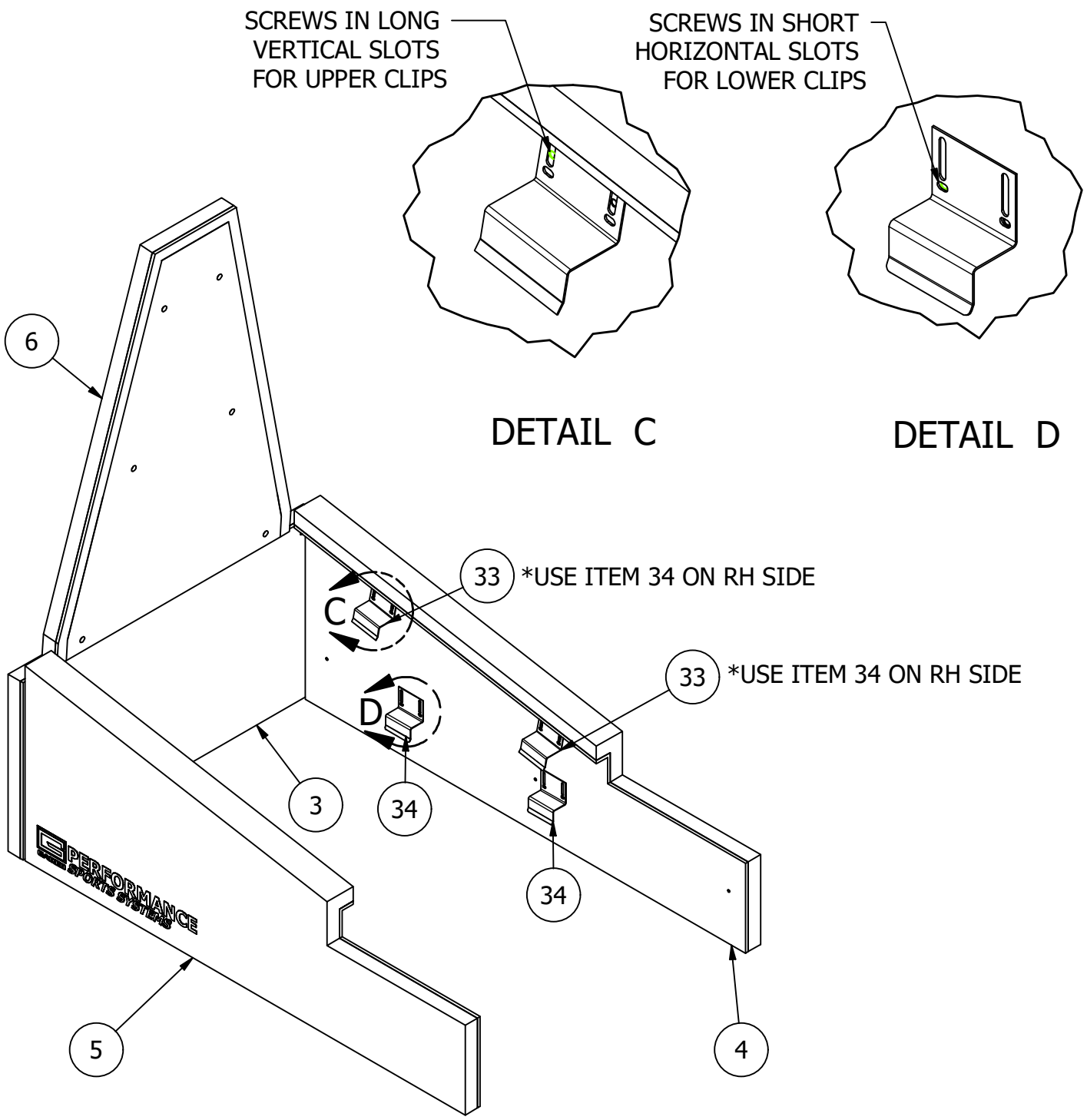
35. Install the remainder of the padding using the 1/4" studs (ITEM 19), 1/4" Flat Washers (ITEM 29), and 1/4" Hex Nuts (ITEM 26).

36. Attach the Front Base Pad (ITEM 3) to the unit using 1/4"-20 x 1" Hex Bolts (ITEM 24) and 1/4" Nylon Lock Nuts (ITEM 27) to connect the hinge to the hinge bracket on the unit.



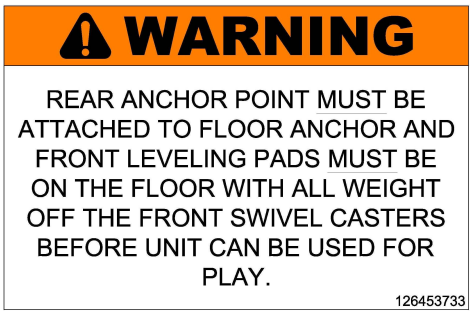
37. Install Pad Clips (ITEM 33 & ITEM 34) to Side Pads (ITEM 4 & ITEM 5) using 1/4"-20 Screws (ITEM 35) and 1/4" Flat Washers (ITEM 29). Assemble hardware in small horizontal slot on lower clips and vertical slot on upper clips. Note that only the upper LH side uses a wider clip. **Do not over torque hardware.**

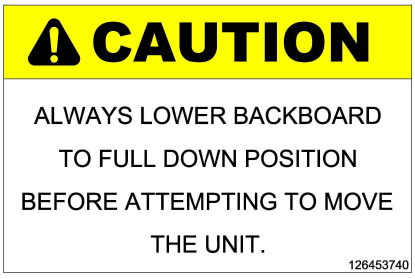
38. Assemble side pads to side frame by sliding clips over base frame tube members.

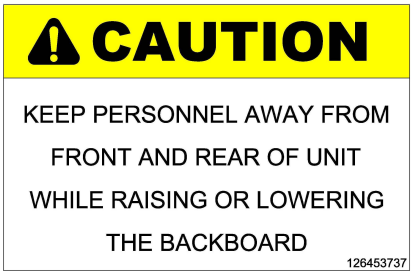


Operation Instructions

1. Before operating the unit, read all caution, warning, and information labels.
2. To raise the unit from the stored position.
    a. Make sure the unit is in the correct position on the court and the locator pins are inserted into the floor inserts.
    b. Make sure the rear floor anchor bolt is installed and secured to the floor anchor insert.
    c. Remove the safety pin from the slide bar.
    d. Step on the down latch lever to release the latch.
    e. Using the handle on the left side of the rear upright, lift the upright and rotate to the full up position.
    f. Install the safety pin into the slide tube locking bar
3. To lower the unit from the playing position.
    a. Remove the safety pin from the side tube locking bar.
    b. Using the handle on the left side of the rear upright, pull the upright back and rotate it to the full down position.
    c. The arm should be lowered until the down latch engages the main portion of the upright arm.
    d. Install the safety pin into the slide tube locking bar.
4. If the unit is to be moved to storage, make sure the shipping bracket and threaded rod are reinstalled on the unit to prevent accidental raising of the boom. Lower the leveling pads until the unit is fully on all four casters.
5. Raise the locating pins and release the rear anchor bolt.
6. Roll the unit to the storage facility.







Maintenance

1. General inspection of equipment when used should be performed to ensure no catastrophic failures have occurred during use between yearly inspections.
2. It is recommended that yearly inspections be conducted to determine if any bolts or other hardware has become worn or loosened.
3. During yearly inspections, check all joints to make sure they are tight and secure. Check all spring adjustment bolts to make sure they are tight and have not moved. Check the board and goal mounting bolts to make sure they are tight. Check the net for wear.
4. Apply a light coat of white lithium grease to the threads of the leveling pad screws.
5. Any loose bolts or nuts should be tightened.
6. Replace any components that are missing or worn.

⚠ WARNING

DO NOT REMOVE BACKBOARD BEFORE INSTALLING SHIPPING BRACE ON MAIN BOOM. REMOVING BACKBOARD WITHOUT BRACE INSTALLED COULD RESULT IN SERIOUS PERSONAL INJURY AND/OR DAMAGE TO UNIT.

126453731

⚠ WARNING

SPRINGS ARE PRESET AT FACTORY. ADDITIONAL ADJUSTMENTS MUST BE DONE BY AUTHORIZED FACTORY PERSONNEL.

126453734