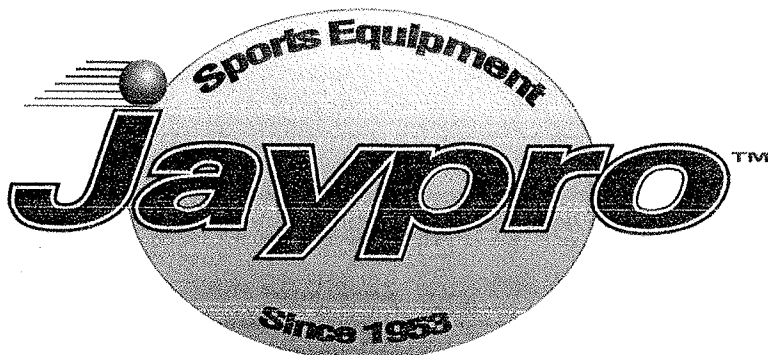


# FIXED HEIGHT BASKETBALL SYSTEM

## ASSEMBLING INSTRUCTIONS AND OWNER'S MANUAL



Item Number: LS-44



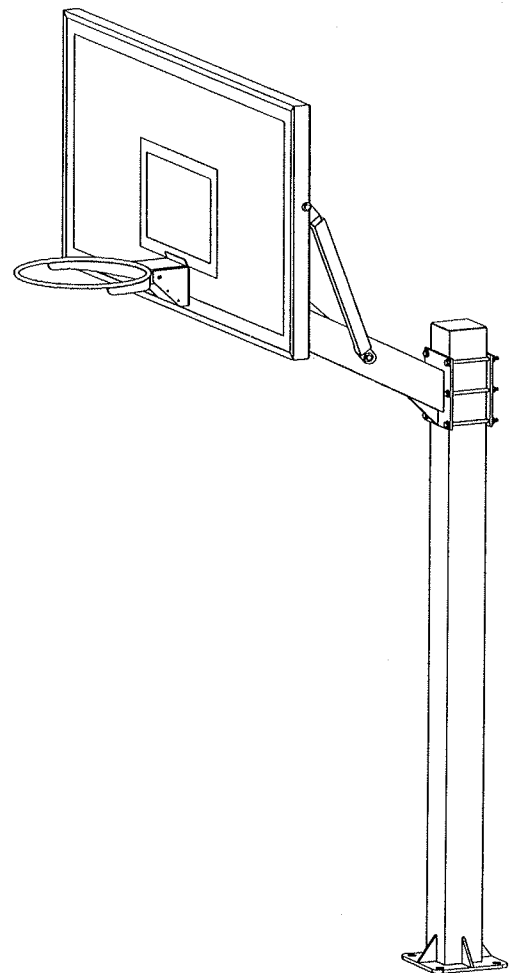
WARNING



FAILURE TO COMPLY WITH ANY OF THE WARNINGS IN THESE INSTRUCTIONS MAY RESULT IN SERIOUS PERSONAL INJURY.

FAILURE TO COMPLY MAY ALSO RESULT IN PROPERTY DAMAGE. PLEASE HEED ALL WARNINGS AND CAUTIONS TO ENSURE YOUR SAFETY.

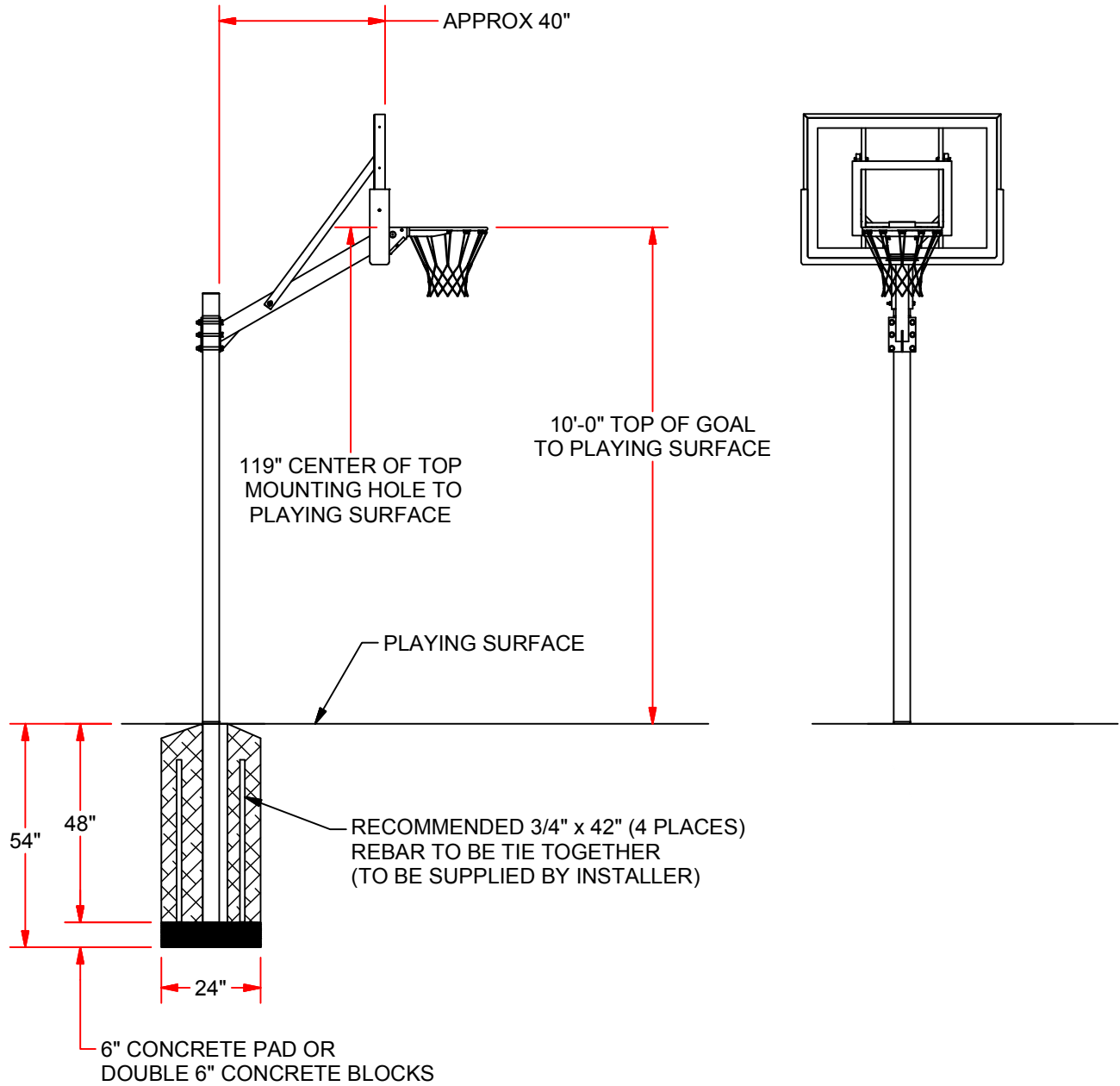
DO NOT ATTEMPT TO ASSEMBLE THIS SYSTEM WITHOUT CAREFULLY READING AND FOLLOWING ALL INSTRUCTIONS. BEGIN BY IDENTIFYING AND TAKING INVENTORY OF ALL PARTS USING THE PARTS LIST PROVIDED.



Keep this instruction manual in case you have to contact the manufacturer for replacement parts.

# 400-AC-FG / 400-FA-FG

(LS-44)



**\*NOTE: FAN BACKBOARD DOES NOT REQUIRE BRACES.**

## ***SUPPLEMENTAL INSTRUCTIONS***

**TOOLS AND MATERIALS REQUIRED FOR ASSEMBLY  
(Not Included)**

- |                          |   |
|--------------------------|---|
| 1. 2 Adjustable Wrenches | 10. Concrete-1/2 yard or 14-16<br>Bags, (80 lb. bags) |
| 2. Socket Set            | 11. Phillips Head Screwdriver                         |
| 3. 9/16" Wrench          | 12. Electric Drill                                    |
| 4. 3/4" Wrench           | 13. Carpenter's Level                                 |
| 5. 15/16" Wrench         | 14. A minimum of 2 Ladders                            |
| 6. 1/2" Wrench           | 15. Water Supply                                      |
| 7. Hammer or Mallet      | 16. Degreaser   |
| 8. Tape Measure          | 17. 1/4" Drill Bit                                    |
| 9. Shovel                |   |

**\*\* A MINIMUM OF SIX ADULTS IS  
REQUIRED TO LIFT UNIT INTO PLACE\*\***



**BEFORE YOU START**



- A. Identify and inventory all parts using the checklist boxes in the parts list. Be sure to keep the hardware bags and their contents separate. If any parts are missing call our Customer Service Department.
- B. Test fit all Bolts by inserting them into the respective hole. If necessary, carefully scrape away any excess powder coating buildup from inside the holes. Do not scrape away all of the powder coating. Bare metal may rust.



**SAFETY INSTRUCTIONS**



**FAILURE TO FOLLOW THESE SAFETY INSTRUCTIONS MAY RESULT IN SERIOUS INJURY OR PROPERTY DAMAGE AND WILL VOID THE WARRANTY.** The owner must ensure that all players know and follow these rules to safely operate the system. Proper and complete assembly, use and supervision is essential for proper operation and to reduce the risk of accident or injury. A high probability of serious injury exists if this system is not installed, maintained, or operated properly.

- If using a ladder during assembly, use extreme caution. Follow all warnings and cautions on the ladder carefully.
- 6 people are required to lift the unit into place.
- Before digging, contact the appropriate agency to locate underground power cables, gas, and water lines. Do not install the system within 20 feet of overhead power lines.
- Climate, corrosion, or misuse could result in system failure.
- If technical assistance is required, contact the manufacturer.
- Minimum operational height is 7' 6" to the Rim. Most injuries are caused by misuse and/or failure to follow instructions. Use caution when using the system.

Required For This Page:  
15/16" Wrench

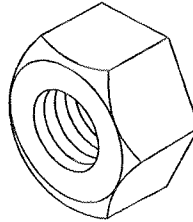


Shovel

Tape Measure

BH0001

TC  
(8PCS)



**\*\*ONLY ONE ADULT IS REQUIRED FOR THE FOLLOWING STEPS\*\***

### STEP A

**NOTE:** Before digging, call to locate any buried utility lines.

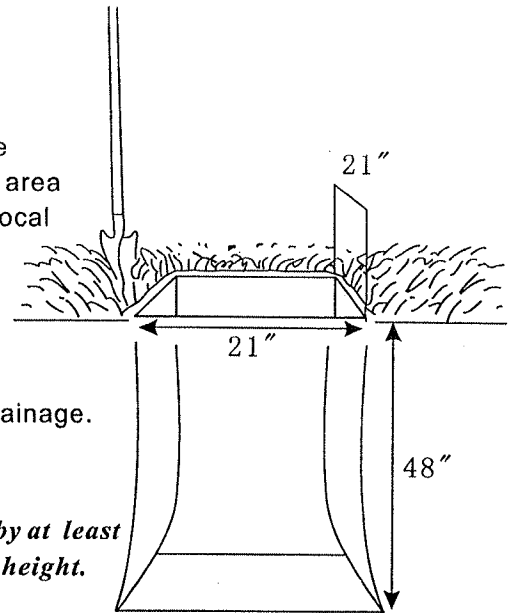
- a. Dig a hole 48" deep and 21" x 21" square. The edge of the hole should be flush with the edge of the playing surface. If you live in an area where heavy frost can occur, it may pose a problem, consult your local building inspector to determine the appropriate hole depth.

**NOTE:** The hole must be at least 48" deep.

- b. Build a form before pouring the concrete pad, to ensure that the top of the concrete remains straight and square. The form should be placed about 1/2" above the playing surface to allow for water drainage.
- c. Bell out the bottom of the hole.

**NOTE:** A square hole prevents the rotation of the concrete.

**NOTE:** The area behind the playing surface must be cleared off by at least 3 feet to enable the user to stand behind the pole to adjust the Rim height.

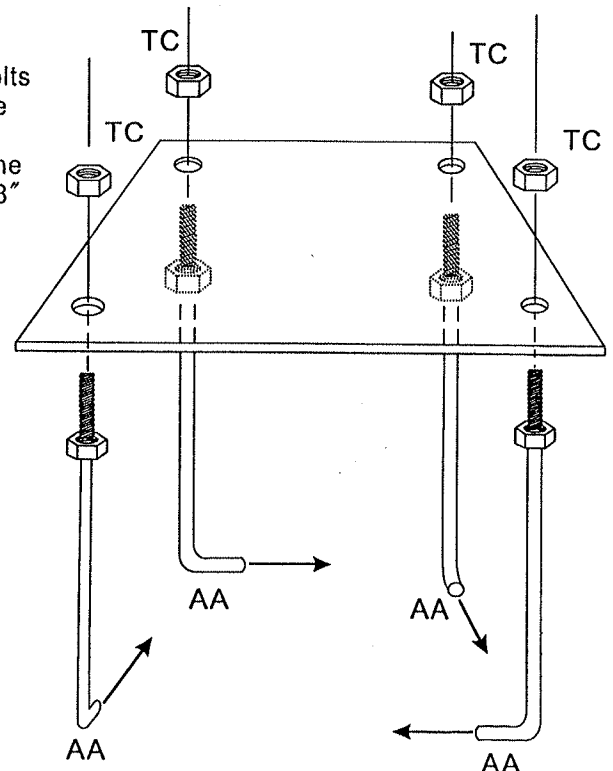
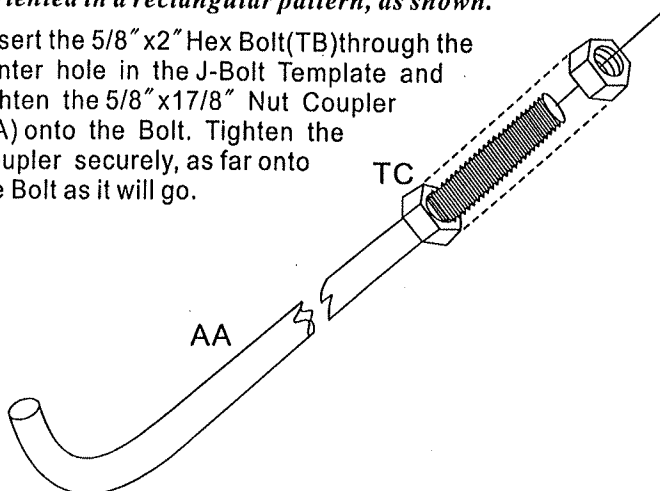


### STEP B

- A. Thread a 5/8" Hex Nut (TC) onto each of the 5/8" x 16" J-Bolts (AA). Securely tighten the Nuts all the way down to the end of the threads.
- B. Slide the threaded ends of the J-Bolts through the holes in the corners of the J-Bolt Template (AB) and secure them with 5/8" Hex Nuts (TC) as shown. Securely tighten all Nuts at this time.

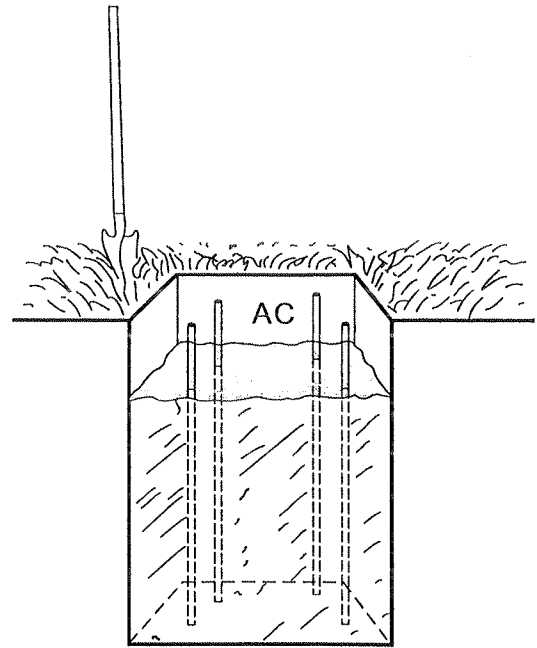
**NOTE:** Make sure the curved "J" ends of the J-Bolts are oriented in a rectangular pattern, as shown.

- C. Insert the 5/8" x 2" Hex Bolt (TB) through the center hole in the J-Bolt Template and tighten the 5/8" x 17/8" Nut Coupler (TA) onto the Bolt. Tighten the Coupler securely, as far onto the Bolt as it will go.



### STEP C

- a. Mix the concrete according to the instructions on the bag. Note that a thicker mix of concrete will dry stronger than a thin mix. Pour the concrete into the hole, up to approximately 18 inches from the top edge.
- b. Insert the four pieces of 36" Rebar (AC) into the hole, pushing each piece firmly to the bottom of the hole. The four pieces should be arranged in a square approximately 8 inches wide so that each piece of rebar will be positioned next to the J-Bolts when the J-Bolt Template is placed in the cement.
- c. Finish filling the hole to the top with concrete. The top of the concrete should reach just above the level of the top of the form.



### STEP D

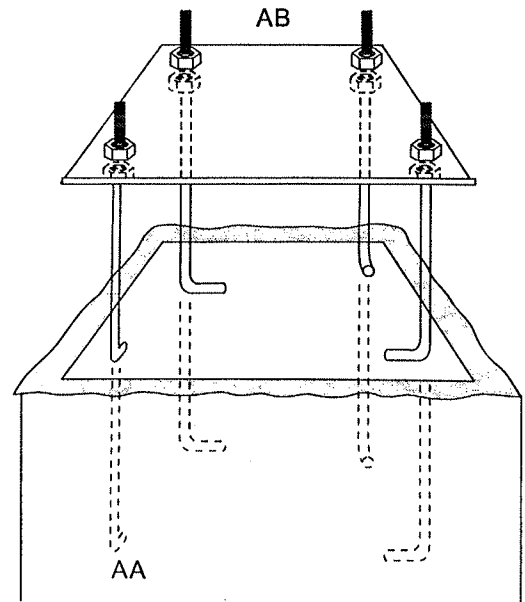
- A. Position the J-Bolt Template (AB) over the hole so that it is centered, with the sides of the plate square with the sides of the hole.

*NOTE: The front of the Template is the side that the Nut coupler (TA) is on. This must be the side closest to the playing surface.*

- B. Push the J-Bolts (AA) into the concrete until the J-Bolt Template is resting flat against the surface of the concrete.
- C. Lift the Template slightly above the concrete by holding the top of the J-Bolts and wiggle the Template assembly back and forth repeatedly to eliminate any air bubbles in the concrete. Make sure the Template is resting on the concrete after you are done. Slope the concrete pad away from the Pole to allow for water to drain away.

*NOTE: The lower four 5/8" Hex Nuts and the Nut Coupler will be in the concrete permanently.*

- D. Clean off any concrete that may be on the J-Bolt Template or the exposed portions of the J-Bolts.
- E. Using a carpenter's level, make sure the Template is square to and level with the playing surface.
- F. Allow the concrete to cure for a **minimum** of 72 hours before installing the rest of your basketball system. Allow additional time for the concrete to cure in cold, wet or humid weather conditions.



**YOU ARE NOW FINISHED WITH THE INITIAL ASSEMBLY STEPS. DO NOT PROCEED WITH THE REST OF THE ASSEMBLY UNTIL THE CONCRETE HAS FULLY CURED. THIS TAKES A MINIMUM OF 72 HOURS. AS PREVIOUSLY STATED, DEPENDING ON WEATHER CONDITIONS, IT MAY TAKE ADDITIONAL TIME FOR THE CONCRETE TO CURE.**



## WARNING



**NEVER USE THE SYSTEM WITHOUT CAREFULLY FOLLOWING THE CEMENTING INSTRUCTIONS. FAILURE TO FOLLOW THESE INSTRUCTIONS AND WARNINGS COULD LEAD TO SERIOUS PERSONAL INJURY AND/OR PROPERTY DAMAGE AS LISTED ON PAGE ONE.**

**Required For This Page:**

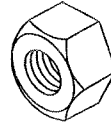
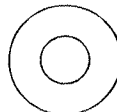
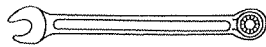
EC  
(6PCS)

EB  
(12PCS)

ED  
(6PCS)

EA  
(6 PCS)

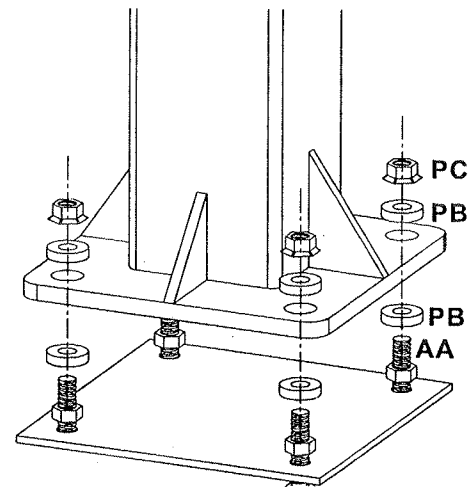
5/8" Wrenches



**STEP 1**

**WARNING:** *At least two adults must hold the Pole steady while securing it to the Base.*

- A. Slide a Flat Washer (PB) over each of the J-Bolts(AA).
- B. Position the pole on the template.
- C. Slide another Flat Washer (PB) over each of the J-Bolts(AA).  
Thread a Flange Nut(PC) to each J-bolt. Tighten the Nuts only a few turns onto the J-Bolts. **Do not tighten the Nuts all the way down to the Plate at this time.**

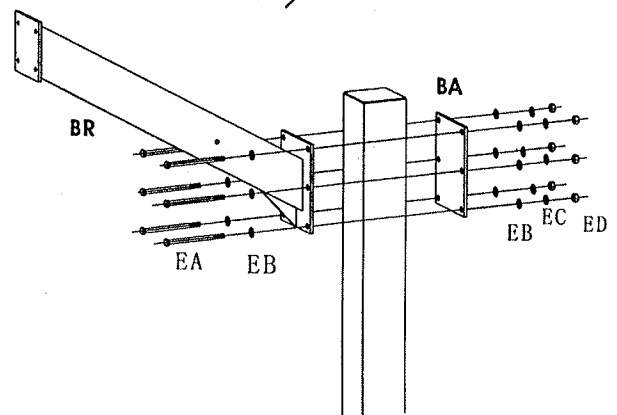


**STEP 2**

- A. Slide the plate(BA) to the white line on the back side of Pole, the top of the plate (BA) cover the white line as shown in FIGURE 5.
  - B. Position the Brace (BR) to the front side of pole, slide a bolt(EA) through a flat washer(EB), a hole on brace, another flat washer(EB), a lock washer (EC), secure the bolt with a Hex Nut(ED).
  - C. Secure the other bolts(EA) by repeating the above step. Make sure the Brace (BR) are tight on the pole.
- Note: 2 persons are required for this step. One holds the Brace steady while other securing the Bolt.*

White line

**FIGURE 5**

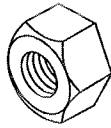


**Required For This Page:**

3/8" Wrenches



RE  
(4PCS)



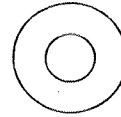
RD  
(4PCS)



RC  
(4PCS)



RB  
(8PCS)

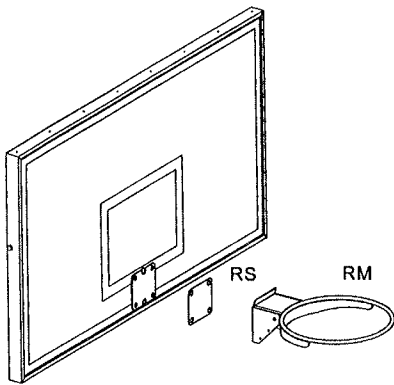


RA  
(4PCS)

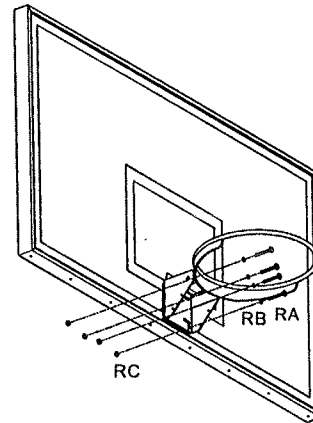


**STEP 3**

- A. Line up the Rim (RM) to the Backboard, put a Rubber Spacer (RS) between the backboard and rim as shown in FIGURE 3A.
- B. Slide a Hex Head Bolt (RA) through a Flat Washer (RB), the hole on Rim and backboard, secure the Hex Head Bolt (RA) with a thin Hex Nut (RC).
- C. Secure the other bolts(RA) by repeating the above step as shown in FIGURE 3B.



**FIGURE 3A**

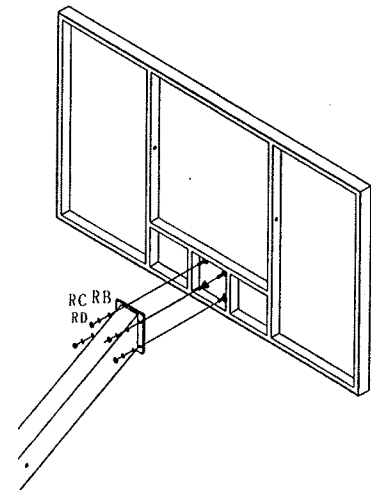


**FIGURE 3B**

**STEP 4**

- A. Position the Backboard and Rim to the front side of brace, slide the 4 Hex Head Bolts through the 4 holes on Brace, slide a flat washer(RB), a lock washer(RC) to each bolt, secure the bolt with a Hex Nut(RD).
- C. Secure the other bolts(RA) by repeating the above step. Make sure the Backboard and Rim are tight on the Brace.

**Note: Three persons are required for this step. Two hold the Backboard and Rim steady while other securing the Bolt.**



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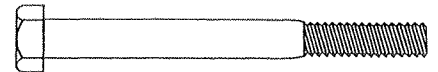
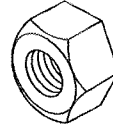
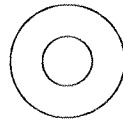
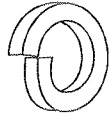
EC  
(6PCS)

EB  
(12PCS)

ED  
(6PCS)

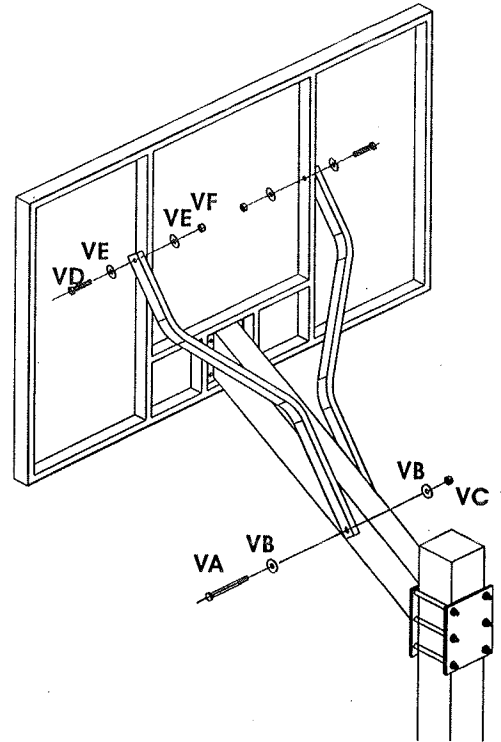
EA  
(6 PCS)

5/8" Wrenches

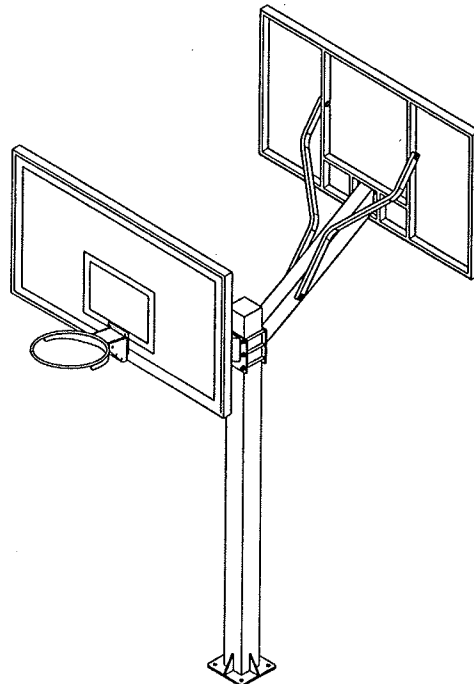


STEP 5

- Slide the 2 Upper arms to the hole on the brace.
- Slide a Hex bolt(VA) through a Flat Washer(VB), the hole on Brace, another Flat Washer(VB), secure the bolt with a Lock nut(VC).
- Slide the end of Arms to the holes on backboard, slide the Hex Head Bolt (VD) through a Flat Washer(VE), the hole on backboard, another Flat Washer(VE), secure the Hex Bolt(VD) with a Lock Nut(VF).
- Secure the other arm to backboard by repeating the above step.



STEP 6



two backboards can be assembled on a pole as shown.