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Evansville IN 47706

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Please have your model number when inquiring about parts.

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Your Model Number **P5223W**

Date Code **P5223WJ09**



## CAUTION



THE SPRAY ADHESIVE USED FOR APPLYING PLAYFIELD CLOTH IS EXTREMELY FLAMMABLE AND UNDER PRESSURE ! CAREFULLY READ CAUTIONS ON SPRAY ADHESIVE CONTAINER ! KEEP OUT OF THE REACH OF CHILDREN ! DO NOT USE OR STORE NEAR HEAT SOURCE , FLAMES , SPARKS OR WHEN SMOKING ! WORK AREA MUST BE WELL VENTILATED . OPEN DOORS AND WINDOWS WHEN USING SPRAY ADHESIVE .

**To ensure safety, do not attempt to assemble system without following instructions carefully. 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, and operate properly.**



## WARNING:

**READ AND FOLLOW ALL ASSEMBLY, OPERATION, AND SAFETY INSTRUCTIONS CAREFULLY. AT LEAST TWO ADULTS ARE NEEDED TO PUT THIS TABLE TOGETHER.**



## IMPORTANT



THE DRAWINGS IN THIS MANUAL MAY BE EXAGGERATED OR MODIFIED TO SHOW DETAILS.



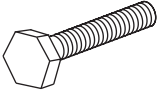

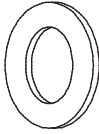

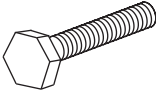
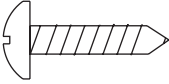
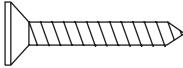
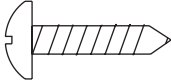
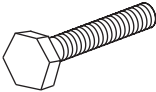
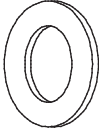
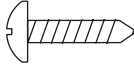
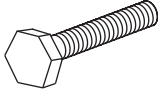
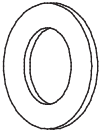

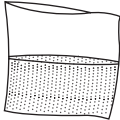
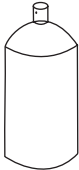
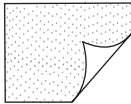
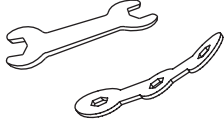
### Tools Needed: (Not Included)

- Philips Screwdriver
- Putty Knife
- Needle Nose Pliers
- Tape Measure
- Sanding Block
- Scissors or Sharp Knife
- Adjustable Wrench
- Small Hammer
- Carpenters Level
- Ratchet with socket

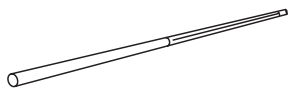
**NOTE:** This table adds weight to any floor. Be sure floor can withstand this kind of weight. If floor sags, table will be impossible to level.

# Part List

(Not to Scale)

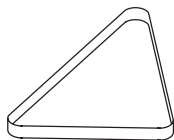
<p>H1</p>  <p>3/8"x2-1/4" Bolt 8 Pcs</p>	<p>H2</p>  <p>3/8" Spring Washer 16 Pcs</p>	<p>H3</p>  <p>3/8"x25mm Washer 32 Pcs</p>	<p>H4</p>  <p>3/8" Hex Nut 16 Pcs</p>
<p>H5</p>  <p>3/8"x3" Bolt 8 Pcs</p>	<p>H6</p>  <p>WP/4x1" Round Head Screw 8 Pcs</p>	<p>H7</p>  <p>F5x1-3/4" Flat Head Screw 16 pcs</p>	<p>H8</p>  <p>T4x18mm Round Head Screw 24 pcs</p>
<p>H9</p>  <p>5/16"x1-3/4" Bolt 12 Pcs</p>	<p>H10</p>  <p>5/16"x23 mm Washer 12 Pcs</p>	<p>H11</p>  <p>T4x15mm Round Head Screw 24 Pcs</p>	<p>H12</p>  <p>5/16"x1-1/2" Bolt 18 Pcs</p>
<p>H13</p>  <p>5/16"x32 mm Washer 18 Pcs</p>	<p>H14</p>  <p>Pocket Nail 24 Pcs</p>		
<p>T1</p>  <p>Grout Kit 1 Pc</p>	<p>T2</p>  <p>Spray Adhesive 1 Pc</p>	<p>T3</p>  <p>Sand Paper 1 Pc</p>	<p>T4</p>  <p>Wrench 1 Set</p>

A1



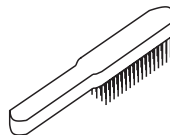
Cue Stick  
2 Pcs

A2



Triangle  
1 Pc

A3



Brush  
1 Pc

A4

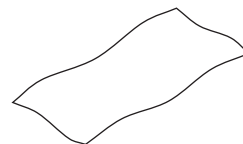
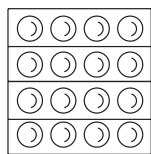


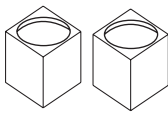
Table Cloth  
1 Pc

A5



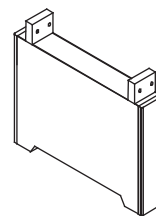
Billiard Ball  
1 Set

A6



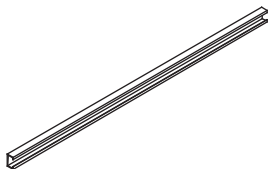
Chalk  
2 Pcs

P1



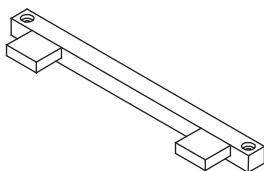
Leg  
2 Pcs

P2



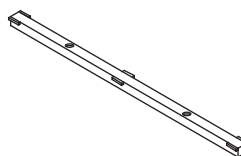
Main Metal Beam  
2 Pcs

P3



End Slat  
2 Pcs

P4



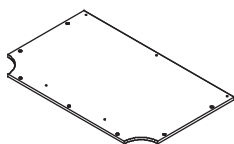
Middle Slat  
2 Pcs

P5



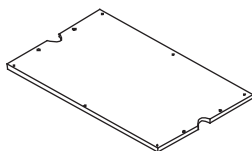
Main Beam End Board  
4 Pcs

P6-Slatron  
P6S-Slate



End Play Bed  
2 Pcs

P7-Slatron  
P7S-Slate



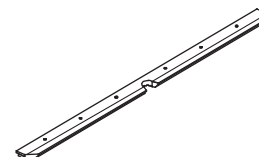
Middle Play Bed  
1 Pc

P8



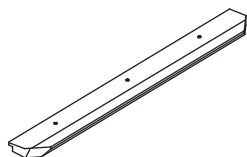
Shim  
8 Pcs  
use deck of cards for shimming  
(not included)

P9



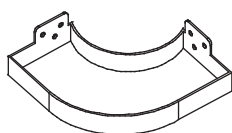
Side Top Rail  
2 Pcs

P10



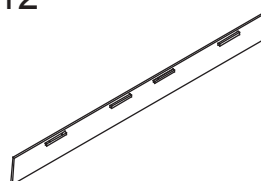
End Top Rail  
2 Pcs

P11



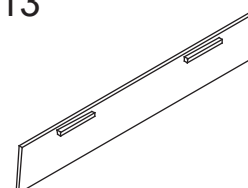
Corner Cap  
4 Pcs

P12



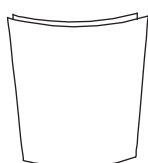
Side Apron  
2 Pcs

P13



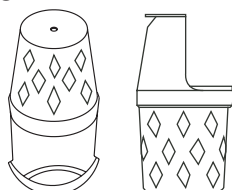
End Apron  
2 Pcs

P14



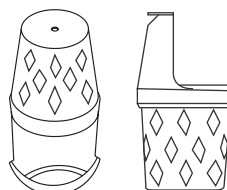
Corner Post  
4 Pcs

P15



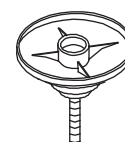
Corner Pocket  
4 Pcs

P16



Side Pocket  
2 Pcs

P17



Leg Leveler  
4 Pcs

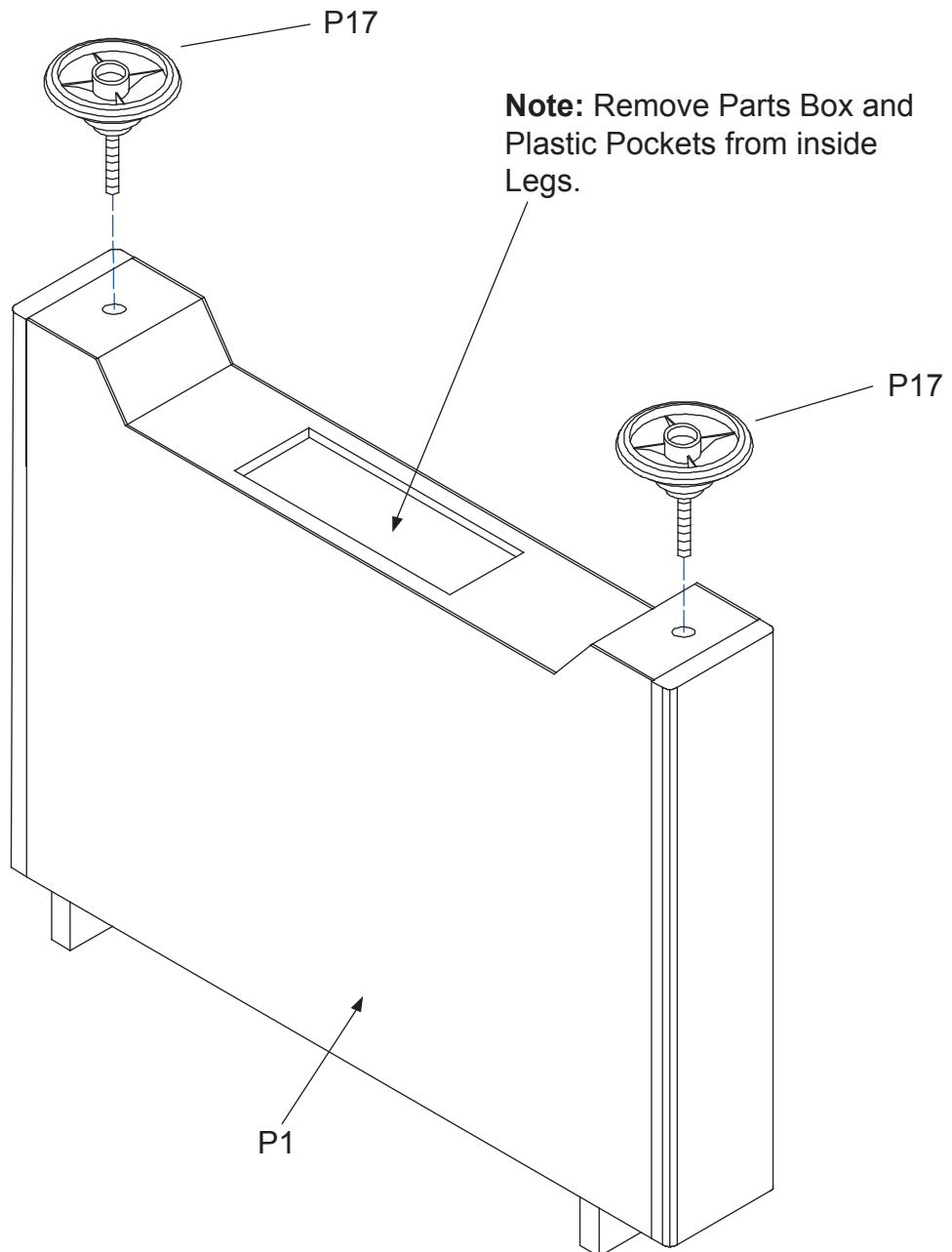
**PARTS REQUIRED:**

2 pcs - **P1** Leg

4 pcs - **P17** Leg Leveler

**STEP 1:**

Thread **P17** Leg Leveler into **P1** Leg as shown in **Figure 1**.



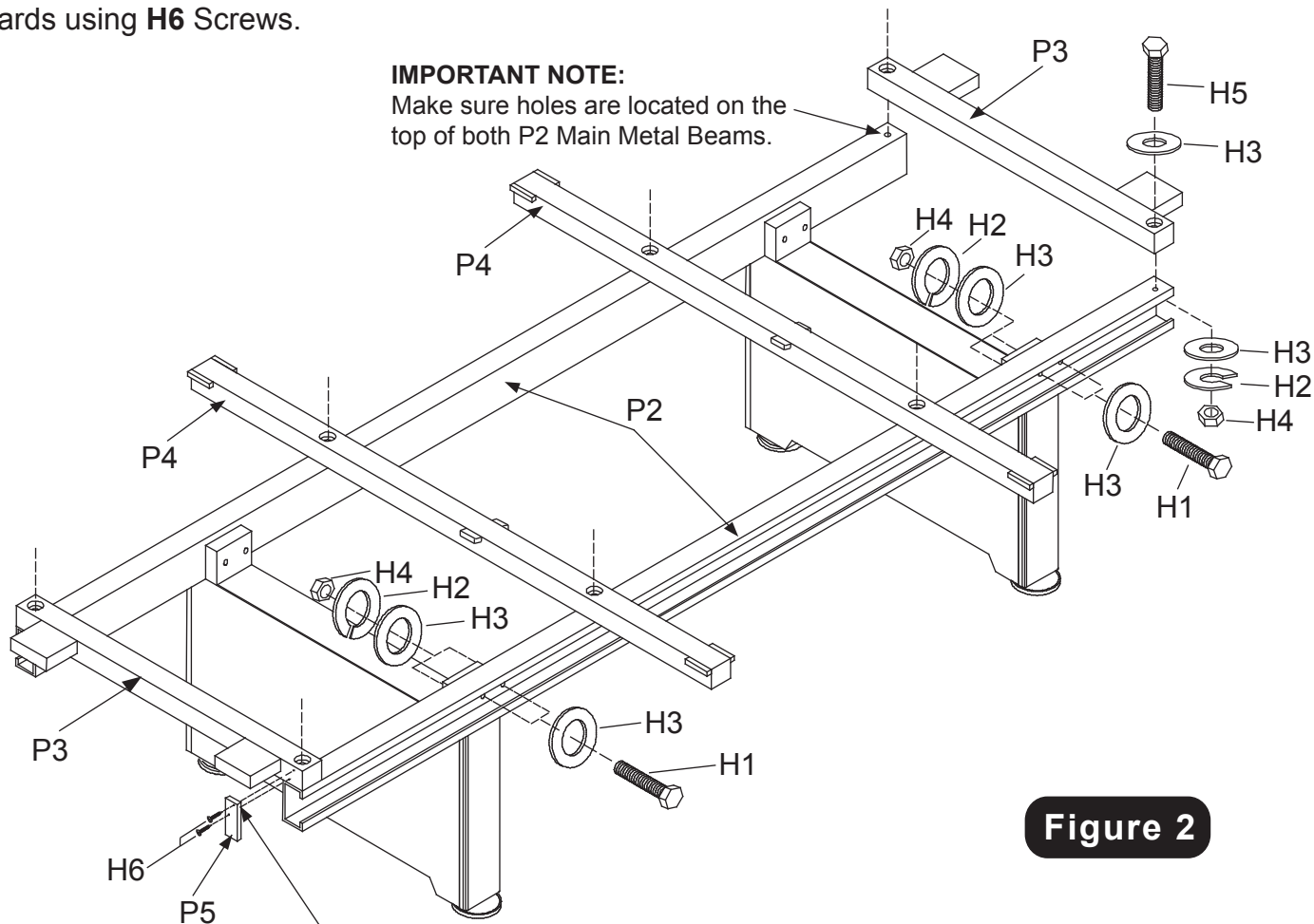
**Figure 1**

### PARTS REQUIRED:

8 pcs - H1 Bolt	8 pcs - H6 Screw
16 pcs - H2 Spring Washer	2 pcs - P2 Main Metal Beam
32 pcs - H3 Washer	2 pcs - P3 End Slat
16 pcs - H4 Hex Nut	2 pcs - P4 Middle Slat
8 pcs - H5 Bolt	4 pcs - P5 Main Beam End Board
	1 set - T4 Wrench

### STEP 2:

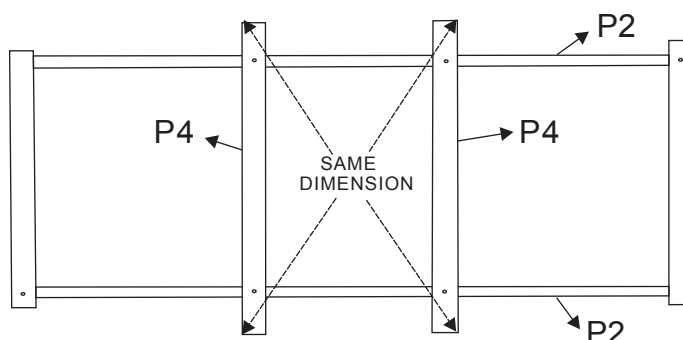
Attach each **P2** Main Metal Beam to **P1** Leg assembly as shown **Figure 2** using **H1** Bolt, **H3** Washers, **H2** Spring Washer and **H4** Hex Nut. Use the **T4** Wrench to assemble the hardware. **Do not tighten hardware at this time.** Place **P3** End Slats and **P4** Middle Slats across **P2** Main Beams and attach using an **H5** Bolt, **H3** washers, **H2** Spring Washer and **H4** Hex Nut. Attach the **P5** Metal Beam End Boards using **H6** Screws.



**Figure 2**

### STEP 3:

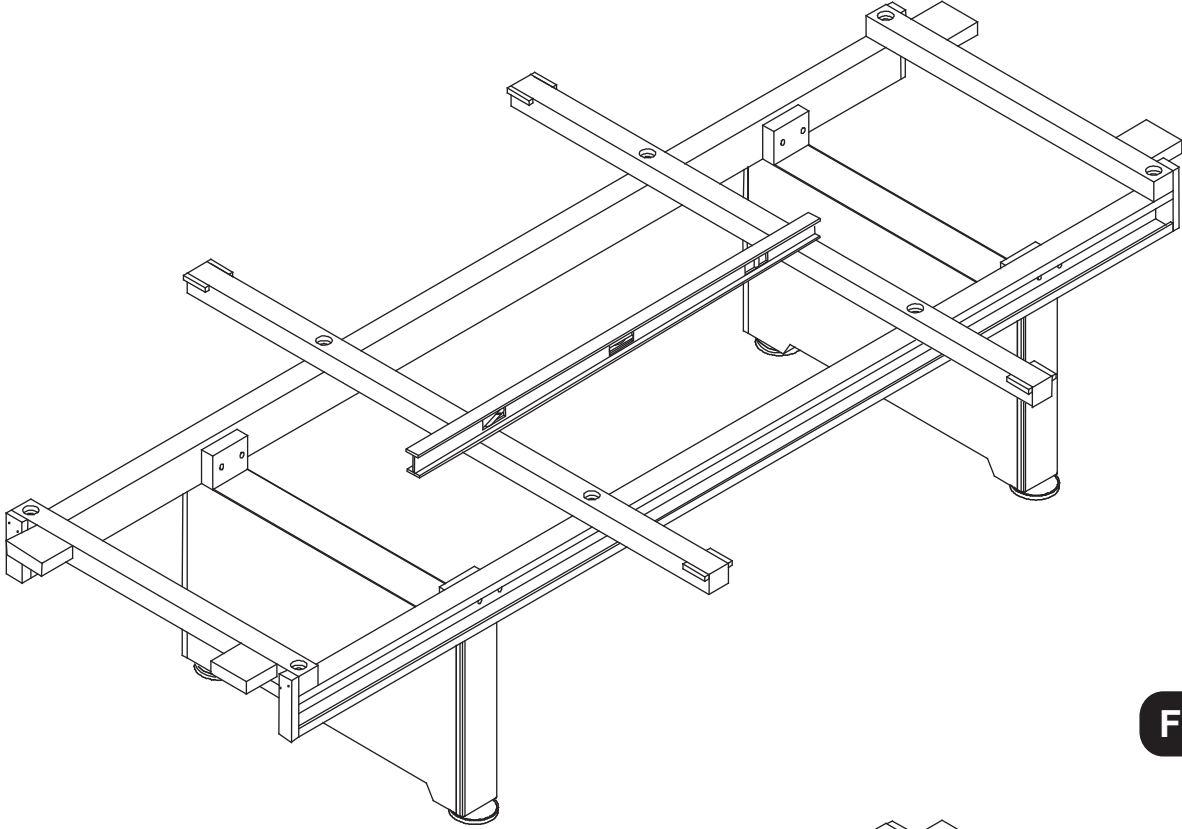
Square up **P4** Slats by measuring diagonally as show in **Figure 3**. Diagonals should be the same within 1/8". If the frame is not square, adjustment can be made by moving table beams **P2** in opposite directions. Once the frame is square, tighten all hardware.



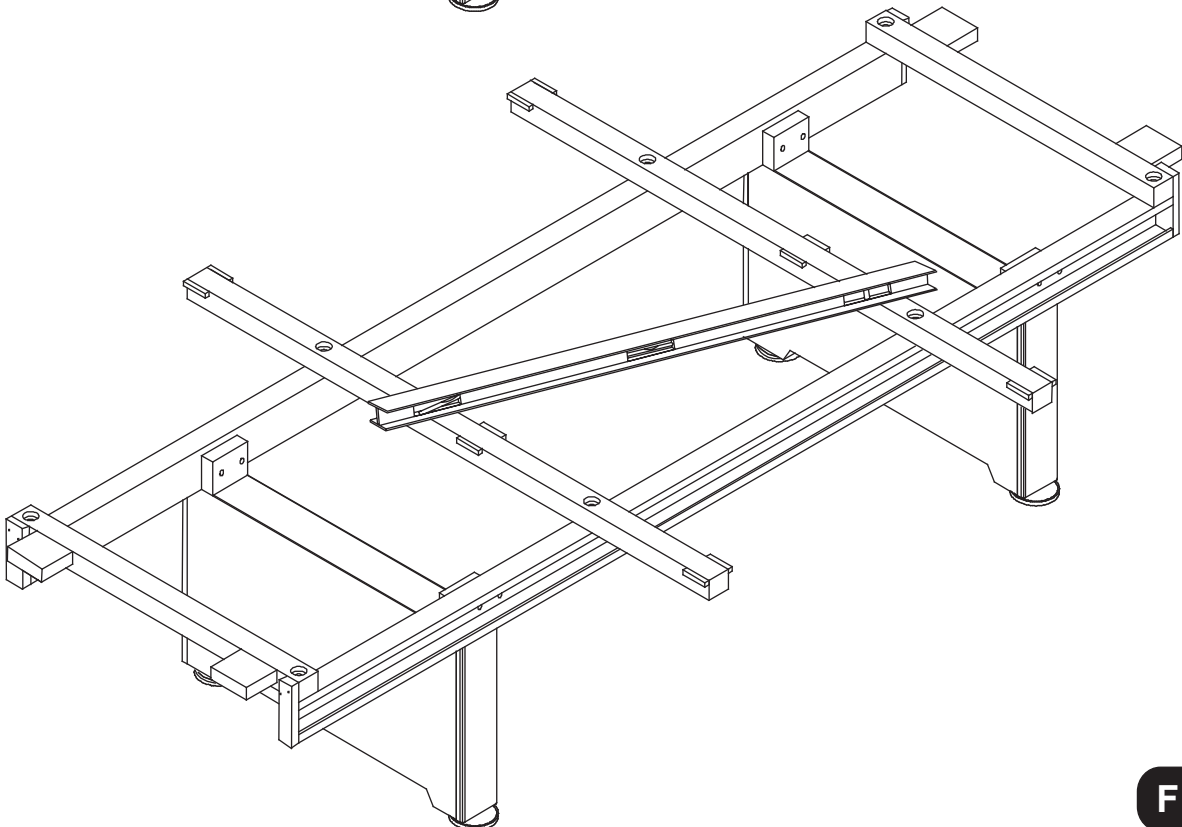
**Figure 3**

#### STEP 4:

Use a carpenter's level to level table as close as possible. It is easier to do it now rather than after the Play Bed is on the frame. To determine the highest corner of the frame place the level in following two positions. First check the table from end to end as shown in **Figure 4**. Then check the table at an angle as shown in **Figure 5**.



**Figure 4**



**Figure 5**

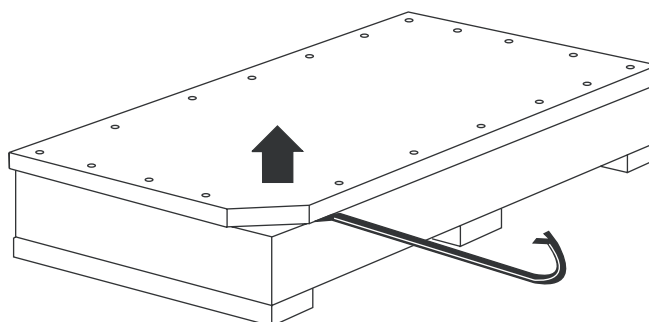
## UNBOXING THE SLATE (Slate tables only:)



**CAUTION**

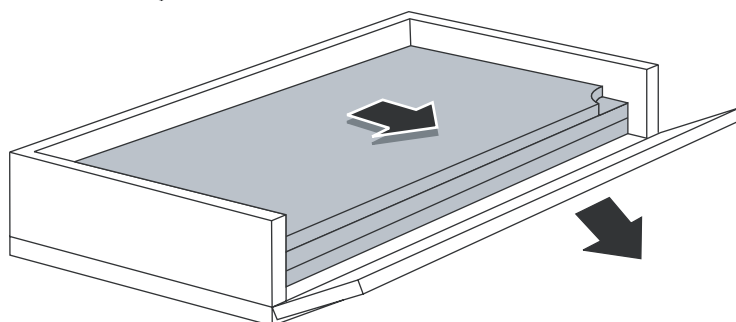
AFTER CRATE PARTS ARE REMOVED, BEND NAILS OR STAPLES OVER WITH A HAMMER AT ONCE! USE CAUTION WHEN HANDLING CRATE PARTS!

It is now time to uncrate the slate pieces. With a claw hammer or crow bar, pry off crate top at the notched corner. (See **FIGURE 6**) **BE CAREFUL NOT TO DAMAGE SLATE INSIDE! SLATE IS BRITTLE AND CAN BE EASILY DAMAGED IF HIT OR PRIED AGAINST!**



**Figure 6**

Remove the front rail of the crate. Slide the slate out the front of the crate. (**FIGURE 7**)

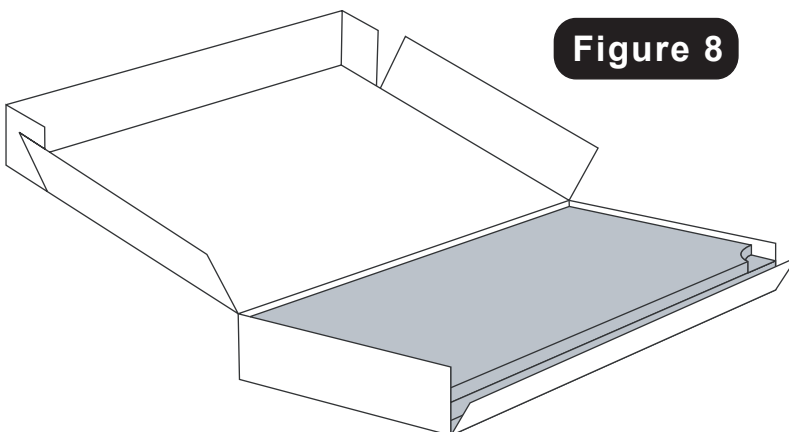


**Figure 7**

## UNBOXING THE SLATRON (Slatron tables only:)

It is now time to unbox the slatron pieces. **BE CAREFUL NOT TO DAMAGE SLATRON INSIDE! SLATRON CAN BE EASILY DAMAGED IF HIT OR PRIED AGAINST!** (See **FIGURE 8**)

If the edges of your Slatron has “fuzz” on it, lightly sand to remove with sandpaper provided in the played kit.



**Figure 8**

## IMPORTANT!

The sheets of slatron may not be completely flat when removed from the shipping carton. This is normal. Once they have been placed on the table frame and securely fastened down, they will become straight and flat.



**THE FOLLOWING STEP REQUIRES  
THE HELP OF ANOTHER ADULT!**

**PARTS REQUIRED:**  
16 pcs - **H7** Screw  
2 pcs - **P6** End Play Bed  
1 pcs - **P7** Middle Play Bed

**STEP 5:**

You can tell the top side of the playfield sections by the beveled edge of the pocket openings and the countersunk mounting holes. The beveled edges and the countersunk holes must face up. (**See Detail A**)

A) Place center section **P7** on the two long slats **P4**. If edges do not align exactly, center playfield as much as you can. The playfield sections are 51 inches long. The long slats are 50 inches long, so there should be 1/2 inch of playfield over hanging the ends of the slats, use a tape measure to make sure there is an 1/2" over hang.

**WARNING: This step requires two adults!**

**REMEMBER:** Be sure countersunk holes in the playfield face up!

B) Secure center section **P7** to long slats **P4** with screws **H7** into countersunk holes.

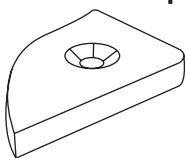
**Note:** It is important that the edges of the three pieces of playfield are flush and square.

**DO NOT OVER TIGHTEN SCREWS!**

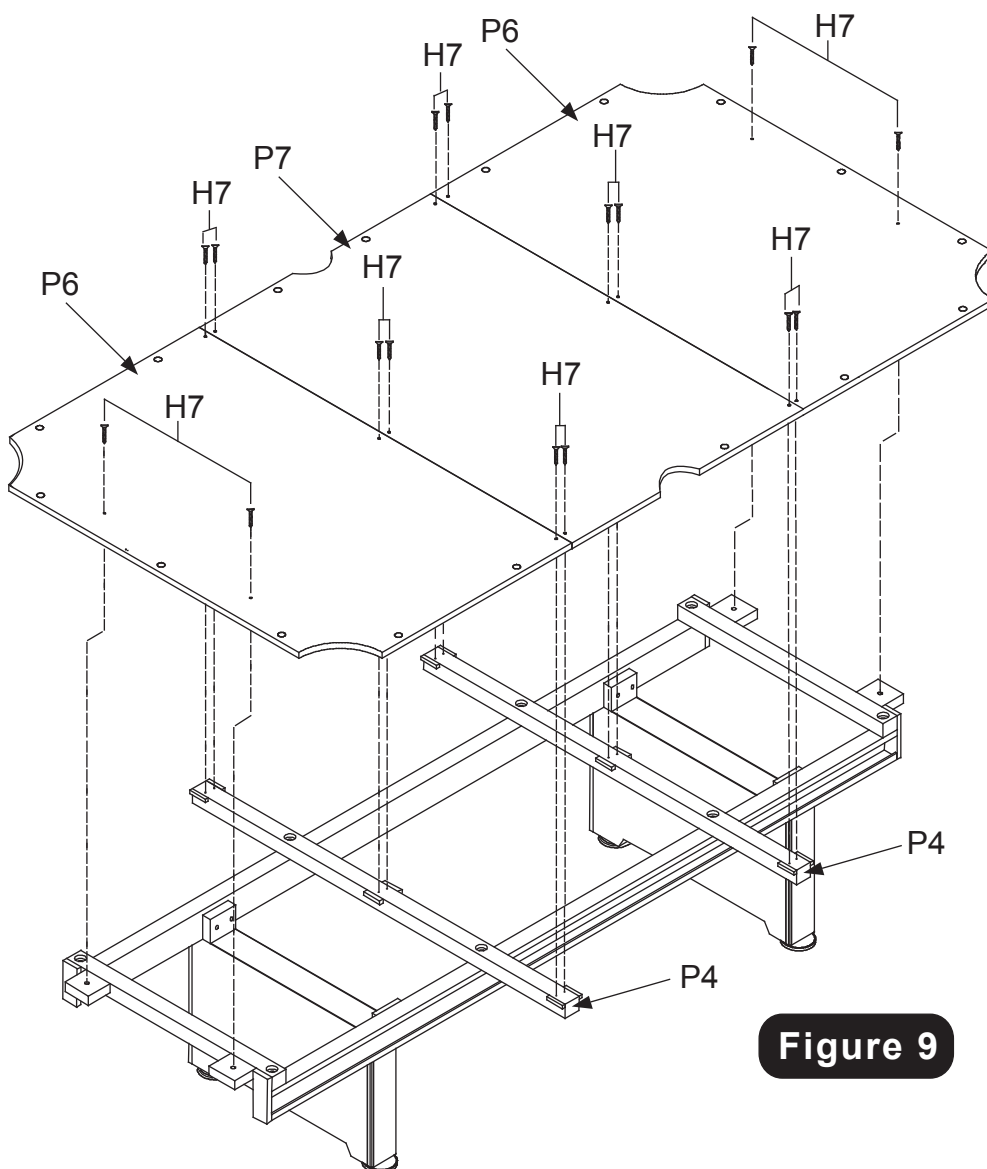
Place end Play Bed section **P6** onto slats. Be sure they are square, in line and butted up tight against center section **P7**. Secure end section **P6** to beams using screws **H7** into countersunk holes. **DO NOT OVER TIGHTEN SCREWS. NOTE:** If necessary, shim underneath Play Bed where they join together to obtain a smooth, even surface. Shims are provided in the slate bed kit.

**TOP OF PLAY BED MUST BE PRECISELY LEVEL! EDGES MUST BE EVEN WITH ONE ANOTHER!**

Be sure that the side of the table top sections with the countersink around each hole face up



**Detail A**



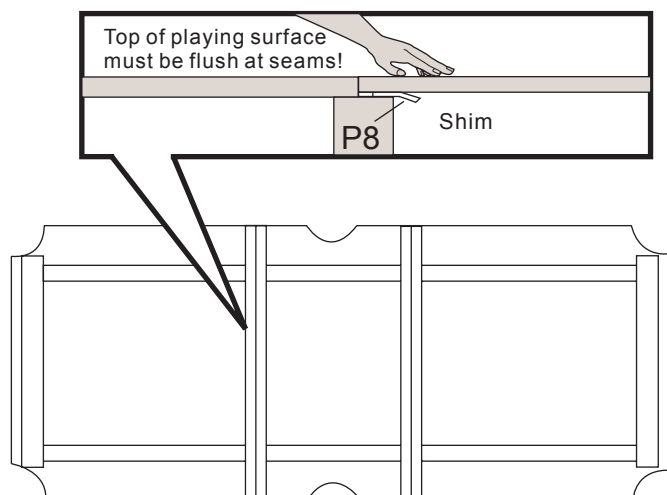
**Figure 9**

## SHIMMING INSTRUCTIONS

( use deck of cards for shimming, not included )

### General Rules

- Accomplish the leveling of the playing surface with as few shims as possible.
- Do not tap with a hammer or tighten screws unreasonably tight. You will not be able to compress the playing surface. You must shim up the playing surface to level. Shims are meant only to raise the low places at the seams and ends. Very short and low places should be grouted. Do not assume the floor is level. Most leveling can be accomplished by working with the frame.
- If using power tools be sure to use only enough torque to reasonably tighten screws.
- Seams can best be checked by passing your finger over the seam and feeling if it is flush.
- All screws must be tightened after shimming.
- No two sets of Play Bed are exactly alike. Some sets require more or less shimming than others.



## STEP BY STEP SHIMMING

( use deck of cards for shimming, not included )

- A) Be sure table is set in its final location.
- B) Table must be as level as possible before shimming. Large differences in levelness must be corrected by raising or lowering frame with included leg levelers or shim stock.  
**DO NOT ASSUME FLOOR IS LEVEL!**
- C) Tighten down all the playing surface mounting screws.
- D) Check with a carpenter's level to determine where playfield is low on ends, and use finger tips to locate uneven spots at the seams. Loosen screws at these points and see if playfield comes up to flush. If so, detach individual shims from the sheet shipped with this table and place under these areas. **Place shims next to screws.**
- E) Lay a straight edge across seams to be sure playfield pieces are at the same height.
- F) After top surface of playfield is flat and level, all screws must be snugged down in tight position. **DO NOT OVER-TIGHTEN SCREWS!** Check these screws before proceeding to the next step.

## GROUTING INSTRUCTIONS FOR PLAY BED

- Clean top of playfield with a damp cloth. **DO NOT USE TOO MUCH WATER!** Allow enough time for top sections to dry thoroughly before starting the next step.
- A small container of grout has been provided for filling countersinks and small imperfections in the table seams. Empty 1/3 of grout into a mixing container. Add 1 teaspoon of water and stir-add very small quantities of grout or water to achieve a thick paste. When mixed, grout should be a thick paste that will not drip off putty knife. If you do get grout too thin, slowly add more powder.
- Using a putty knife, fill both seams and the four countersunk holes in the center playfield area. (Only the four countersunk holes in the center of the table need to be filled since the other holes will be covered by the rails.) Do not use more grout than you need.
- Let grout dry. Read the rest of this manual while you wait!
- Using a medium grit sandpaper and sanding block, sand the filled areas smooth and flat.  
**RECHECK THESE AREAS TO MAKE SURE THEY ARE FLAT.** Re-grout if you still find low places at countersunk holes or seams.



## WARNING

DO NOT SMOKE WHILE WORKING  
WITH CONTACT CEMENT! READ LABEL  
ON CEMENT CONTAINER CAREFULLY!

### Applying the cloth:

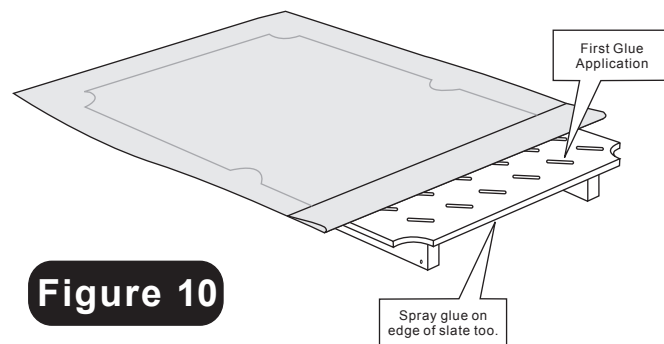
1. Make sure Play Bed is dry and free of dust.

**NOTE:** Before spraying adhesive, cut a portion of the shipping carton to use as a shield to prevent cement over spray.

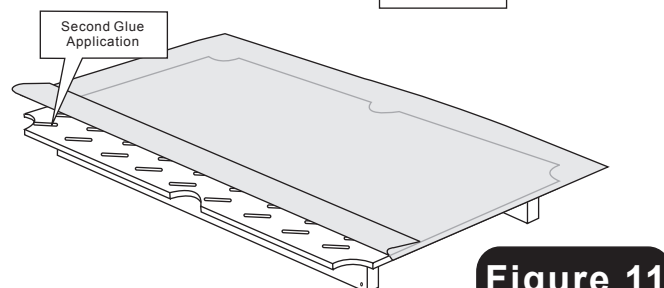
2. Place cloth over Play Bed with equal overhang on all sides.

**NOTE:** Cloth may seem small but it will stretch a great deal.

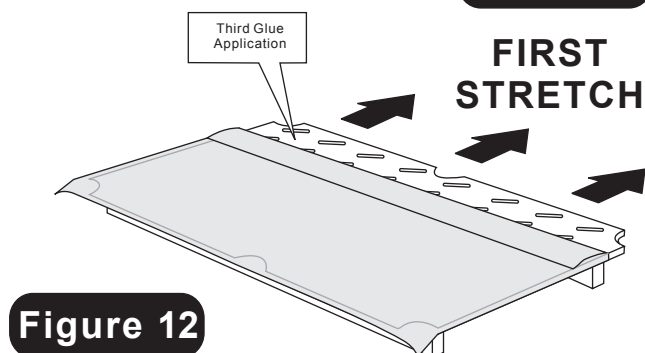
3. Fold cloth away from end to expose Play Bed for your first glue application. Apply contact cement to top surface in a band 4 inches wide on this end. (See **FIGURE 10**) Coat edge also. Spray cement smoothly and evenly. Allow cement to become tacky, wait at least one minute.
4. Fold cloth back over the table. With firm even pressure, press cloth onto the area that has been coated with cement. Smooth cloth down and over edges.
5. Fold cloth away from side to expose Play Bed for your second glue application. (See **FIGURE 11**). Apply cement to the side in the same manner as your first glue application. Allow cement to become tacky, wait at least one minute.
6. Fold cloth back over table. With firm even pressure, press cloth onto the area that has been coated with cement. Smooth cloth down and over edges.
7. Fold cloth away from other side to expose Play Bed for your third glue application. (See **FIGURE 12**). Apply cement to this side in the same manner. Allow cement to become tacky, wait at least one minute.
8. Stretch the cloth across the width and over the edge of the table. **STRETCH HARD ENOUGH TO TAKE OUT WRINKLES, BUT NOT SO HARD THAT THE CLOTH SLIPS.**
9. Fold cloth away from other end to expose Play Bed for your fourth glue application. (See **FIGURE 13**) Apply cement to this end in the same manner. Allow cement to become tacky, wait at least one minute.
10. Make a final stretch along the length of and over the edge of the table, stretch hard enough to work out all wrinkles. (See **FIGURE 14**) If cloth is not smooth, lift and re-apply.  
**NOTE:** Rubbing fingers lightly across cloth should not make cloth move.
11. Locate center of pocket opening. (See **Detail A** and **B**) Using sharp scissors, make a straight cut. Next, cut to pocket edge to form pie shapes. (See **detail B**) Divide these pie shapes in half. As you do, the pie shapes begin to relax to allow for placement. You may need to make additional cuts.
12. Spray adhesive on the underneath side of the play-bed around pocket face to adhere the cloth. Make sure not to get over spray of glue on table. Allow cement to become tacky, wait at least one minute. Stretch the pie shapes down and under the pocket opening. Press the cloth against the cement on the underside of the Play Bed. Be sure entire pie shape is fully attached to underneath side of table.



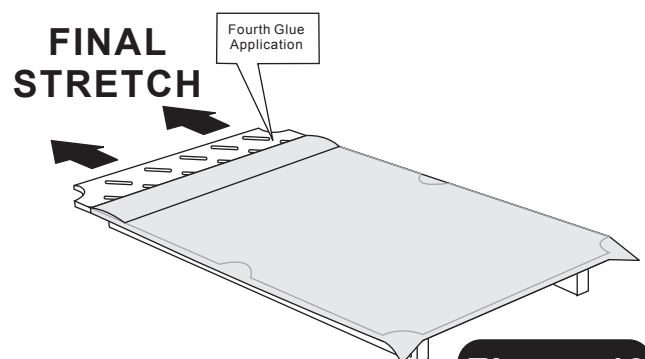
**Figure 10**



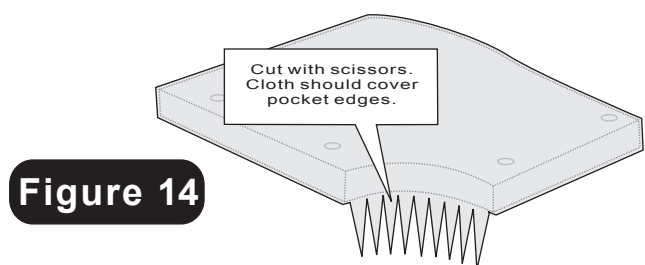
**Figure 11**



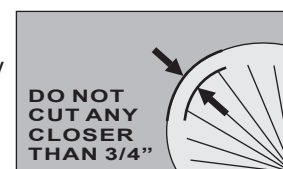
**Figure 12**



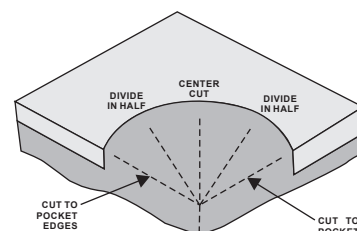
**Figure 13**



**Figure 14**



**Detail A**



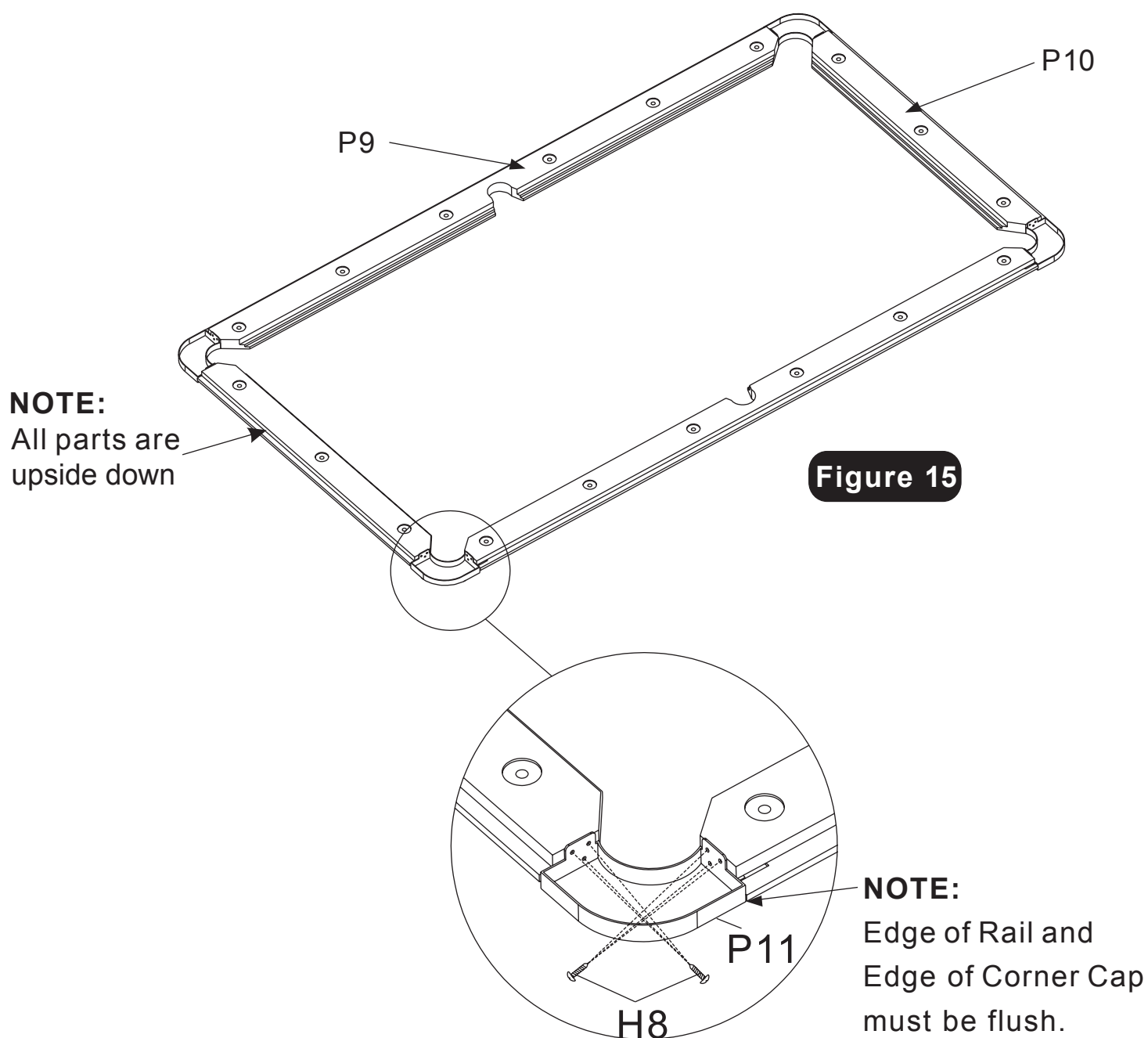
**Detail B**

**PARTS REQUIRED:**

- 24 pcs - **H8** Screw
- 2 pcs - **P9** Side Top Rail
- 2 pcs - **P10** End Top Rail
- 4 pcs - **P11** Corner Cap

**STEP 6:**

On a clean level surface, lay each **P9** Side Top Rail and **P10** End Top Rail face down as shown in **Figure 15**. Next, lay each **P11** Corner Cap face down and attach using **H8** Screws (see inset) .



### PARTS REQUIRED:

12 pcs - <b>H9</b> Bolt	2 pcs - <b>P12</b> Side Apron
12 pcs - <b>H10</b> Washer	2 pcs - <b>P13</b> End Apron
24 pcs - <b>H11</b> Screw	4 pcs - <b>P14</b> Corner Post

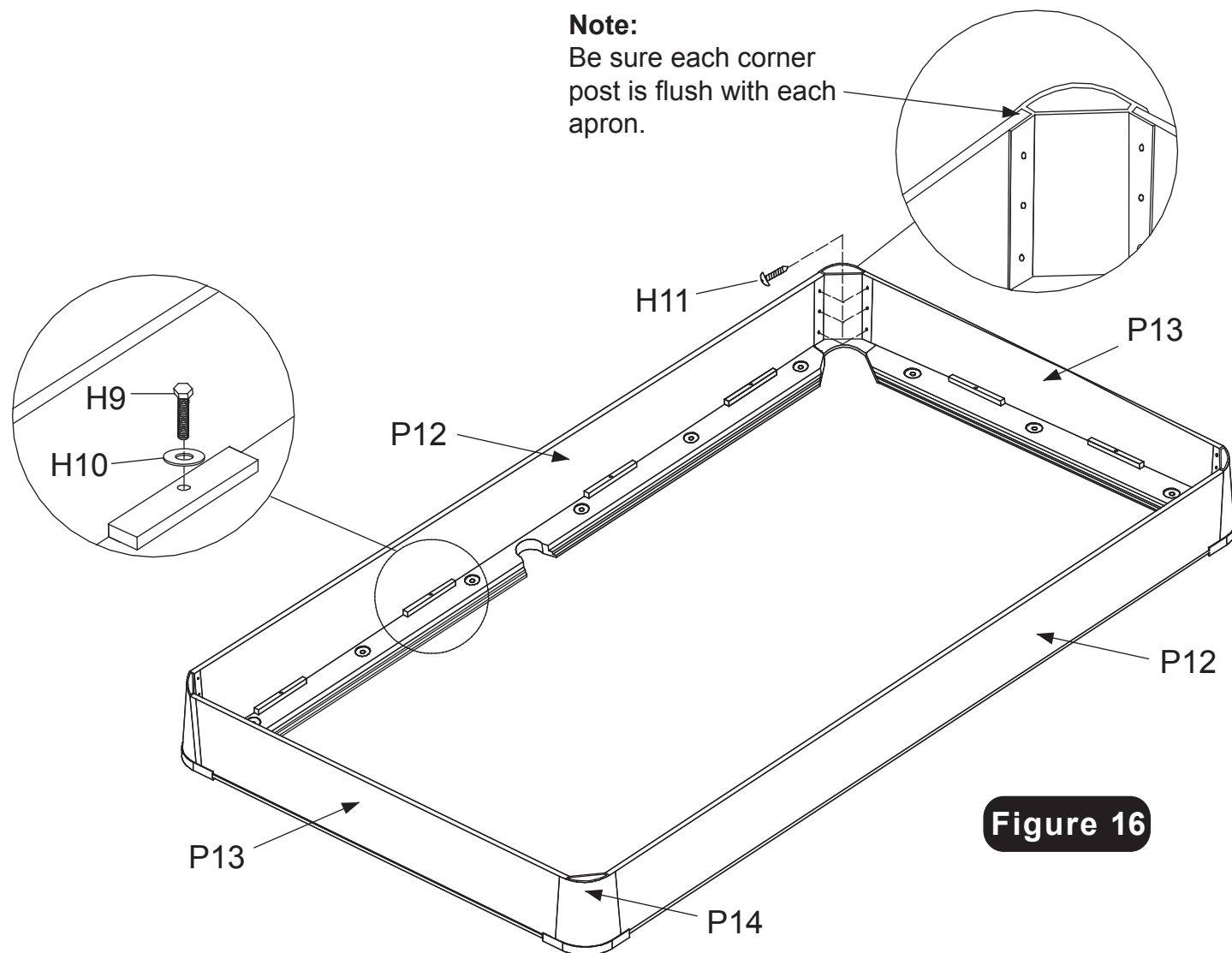
### STEP 7:

With the rail assembly face down, place a **P13** End Apron flush against the bottom of the **P10** End Top Rail and align using threaded inserts on the underside of each rail. Attach the end apron as shown using **H9** Bolts with **H10** washers (see inset). **Do not tighten yet.** Attach opposite **P13** End Apron. **Do not tighten yet.**

Next, slide each **P14** Corner Post over the edge of each **P13** End Apron. **Do not attach the Corner Post yet.** Next, slide one **P12** Side Apron into the Corner Post, hold flush against the rail and attach all aprons to top rails using **H9** Bolts with **H10** Washers. **Do not tighten yet.** Be sure each **P14** Corner Post is flush with each apron, then attach using **H11** Screws. Lastly, tighten all **H9** Apron Bolts.

### Note:

Be sure each corner post is flush with each apron.



**Figure 16**

**PARTS REQUIRED:**

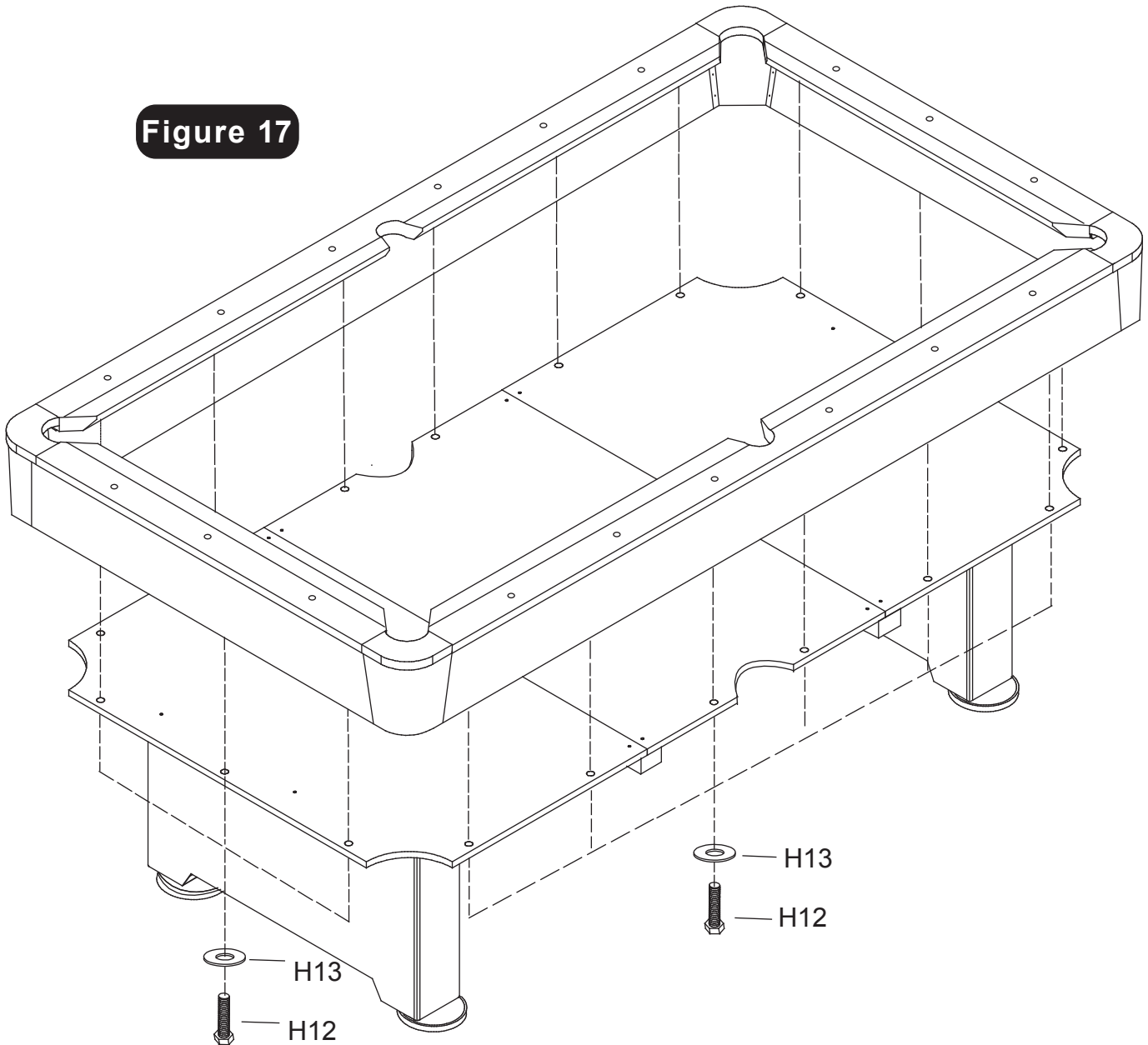
18 pcs - **H12 Bolt**

18 pcs - **H13 Washer**

**STEP 9:**

With the help of three other adults, carefully rotate the rail and apron assembly and then place over the play bed as shown. From the underside of the table, insert each **H12 Bolt** with **H13 Washer** up through the play bed and into the threaded inserts of each rail. Be sure the rail assembly is aligned with the play bed and pockets, then tighten all bolts.

**Figure 17**



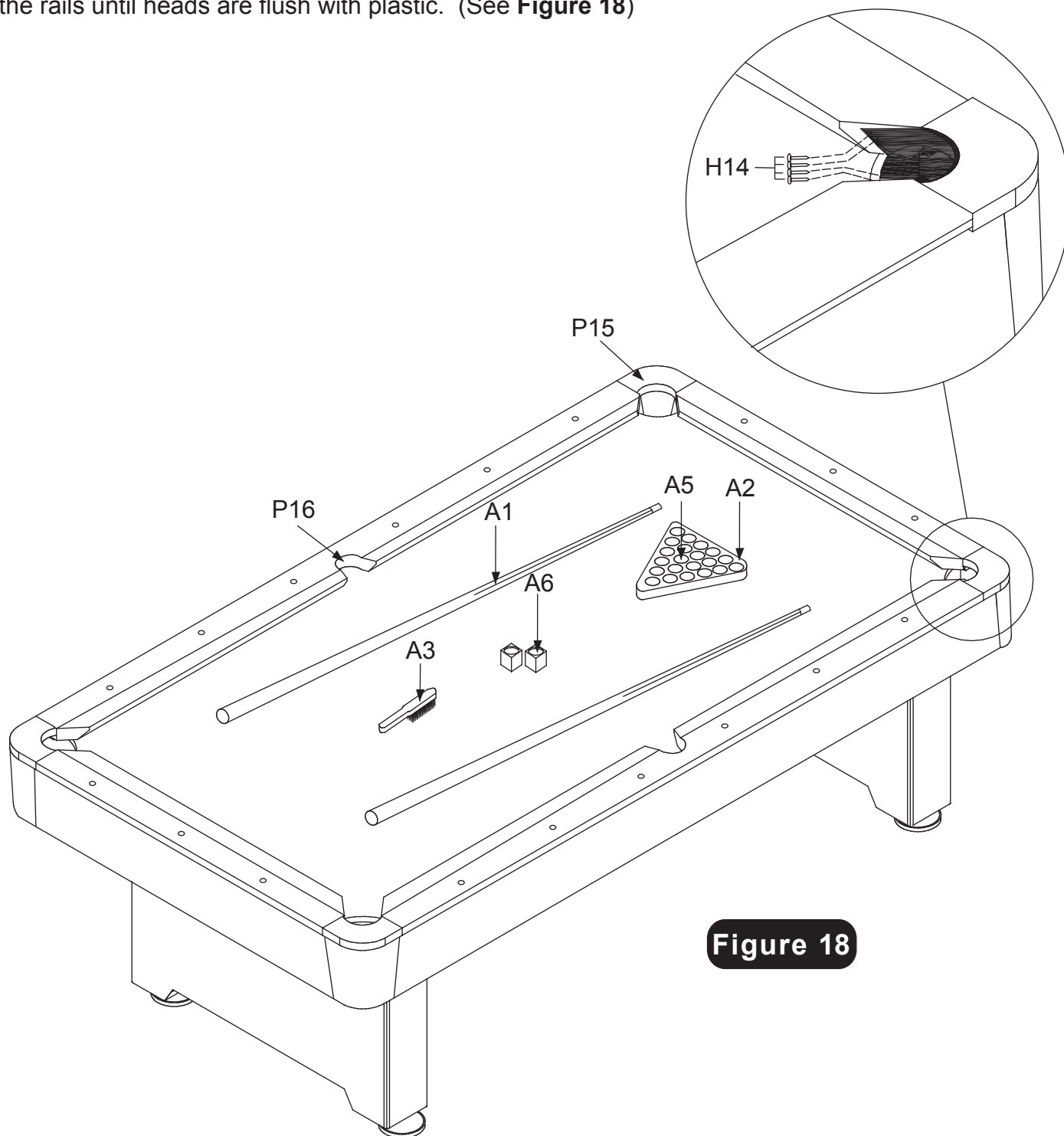


### PARTS REQUIRED:

24 pcs - <b>H14</b> Pocket Nail	1 pcs - <b>A2</b> Triangle
4 pcs - <b>P15</b> Corner Pocket	1 pcs - <b>A3</b> Brush
2 pcs - <b>P16</b> Side Pocket	1 set - <b>A5</b> Billiard Ball
2 pcs - <b>A1</b> Cue Stick	2 pcs - <b>A6</b> Chalk

### STEP 10:

Insert the **P15** Corner and **P16** Side pockets into the drop pocket openings from the underside of the table. Fasten pockets using four nails **H14** per pocket. Hold the nails with needle nose pliers and tap them in with a small hammer. Once the nails have started into plastic, hammer them completely into the rails until heads are flush with plastic. (See **Figure 18**)



**Figure 18**

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This customer warranty extends to the original owner, on the purchase of any ESCALADE SPORTS Product (hereinafter referred as the "Product").

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**WARRANTY COVERAGE:** ESCALADE SPORTS warrants to the original owner, this product to be free from defects in material and workmanship when used for the intended purpose under normal use and conditions. THIS WARRANTY IS VOID IF THE PRODUCT HAS BEEN DAMAGED BY ACCIDENT, UNREASONABLE USE, NEGLIGENCE, IMPROPER SERVICE, FAILURE TO FOLLOW INSTRUCTIONS PROVIDED WITH THE PRODUCT OR OTHER CAUSES NOT ARISING OUT OF DEFECTS IN MATERIAL AND WORKMANSHIP.

**WARRANTY REPLACEMENT:** During the above 90 day warranty period, ESCALADE SPORTS shall provide replacement components or replace with a comparable product at our choosing. If product is defective under normal use and proper care, please contact our Customer Service Dept.

1-866-556-2757 / Customer Service Dept.

Or Write us at:

Escalade® Sports, Inc. - P.O. Box 889, Evansville, IN 47706

Attn: Customer Service Dept.

Or E-mail us at:

customerservice@escaladesports.com

Other than shipping requirements no charge will be made for such replacement of in-warranty Products.

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## PARTS LIST FOR MODEL # P5223W

PART #	KEY #	DESCRIPTION	QTY.
P5223WJH1	H1	3/8"x2-1/4" Bolt	8
P5223WJH2	H2	3/8" Spring Washer	16
P5223WJH3	H3	3/8"x25mm Washer	32
P5223WJH4	H4	3/8" Hex Nut	16
P5223WJH5	H5	3/8"x3" Bolt	8
P5223WJH6	H6	WP/4x1" Round Head Screw	8
P5223WJH7	H7	F5x1-3/4" Flat Head Screw	12
P5223WJH8	H8	T4x18mm Round Head Screw	24
P5223WJH9	H9	5/16"x1-3/4" Bolt	12
P5223WJH10	H10	5/16"x23 mm Washer	12
P5223WJH11	H11	T4x15mm Round Head Screw	24
P5223WJH12	H12	5/16"x1-1/2" Bolt	18
P5223WJH13	H13	5/16"x32 mm Washer	18
P5223WJH14	H14	Pocket Nail	24
P5223WJT1	T1	Grout Kit	1
P5223WJT2	T2	Spray Adhesive	1
P5223WJT3	T3	Sand Paper	1
P5223WJT4	T4	Wrench	1
P5223WJA1	A1	Cue Stick	1
P5223WJA2	A2	Triangle	1
P5223WJA3	A3	Brush	1
P5223WJA4	A4	Table Cloth	1
P5223WJA5	A5	Billiard Ball	1
P5223WJA6	A6	Chalk	2
P5223WJP1	P1	Leg	2
P5223WJP2	P2	Main Metal Beam	2
P5223WJP3	P3	End Slat	2
P5223WJP4	P4	Middle Slat	2
P5223WJP5	P5	Main Beam End Board	4
P5223WJP6	P6	End Play Bed Slatron (P2000W)	2
P5223WJP6S	P6S	End Play Bed Slate (809-551)	2
P5223WJP7	P7	Middle Play Bed Slatron (P2000W)	1
P5223WJP7S	P7S	Middle Play Bed Slate (809-551)	1
P5223WJP8	P8	Shim	8
P5223WJP9	P9	Side Top Rail	2
P5223WJP10	P10	End Top Rail	2
P5223WJP11	P11	Corner Cap	4
P5223WJP12	P12	Side Apron	2
P5223WJP13	P13	End Apron	2
P5223WJP14	P14	Corner Post	4
P5223WJP15	P15	Corner Pocket	4
P5223WJP16	P16	Side Pocket	2
P5223WJP17	P17	Leg Leveler	4
P5223WJK1	K1	Hardware Kit	1
P5223WJM1	M1	Manual	1