

## **IMPORTANT NOTES: Read First**

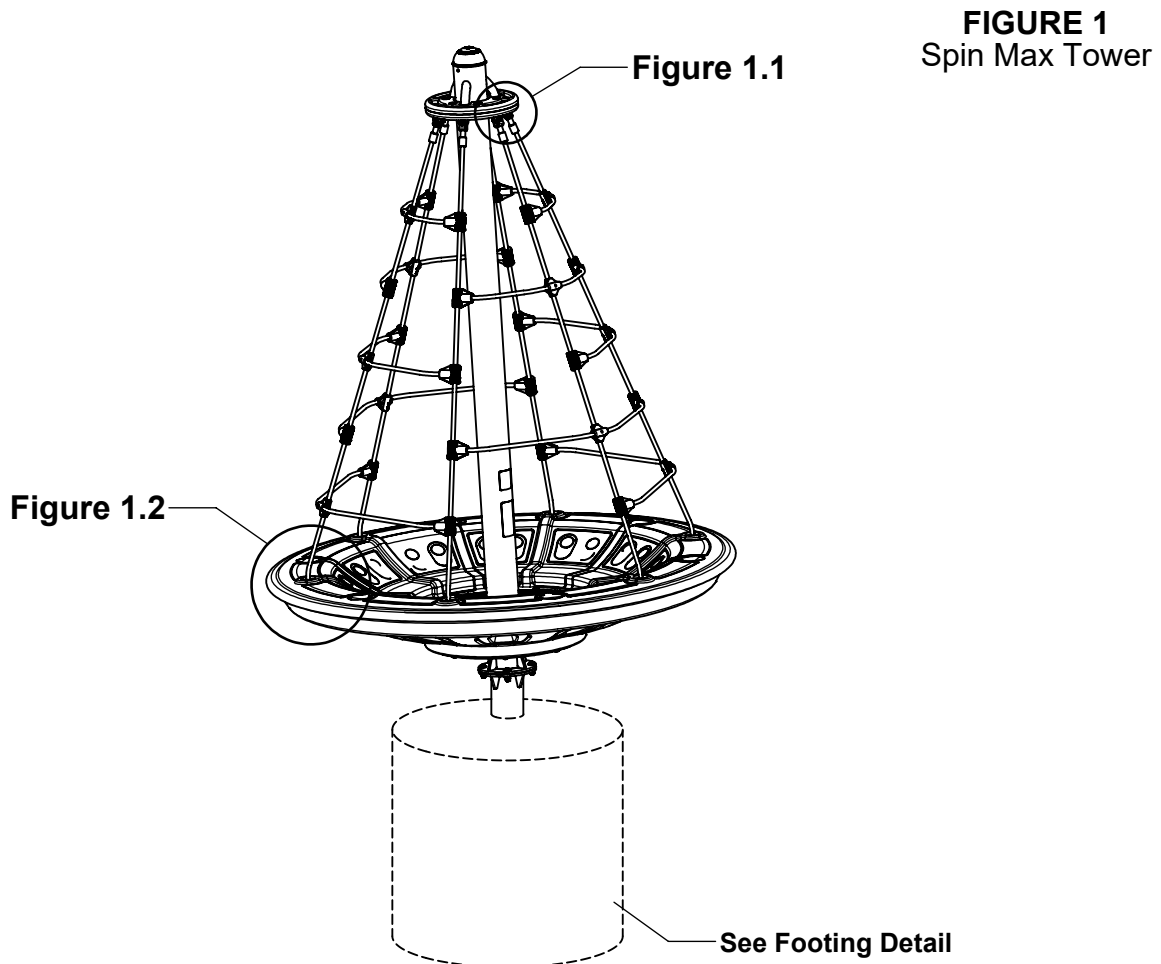
(A) Use liquid thread lock (such as Loctite®) with all threaded hardware. **Important:** Liquid thread lock (prior to curing) helps to eliminate the common problem of "thread seizure" in stainless steel hardware by serving as a lubricant during assembly.

(B) Do not pour concrete until the equipment is completely assembled, leveled and plumbed. Concrete must be allowed to cure completely before using the equipment (at least 72 hours).

(C) **IMPORTANT:** Initial brake adjustment must be set and periodically maintained to limit the speed of revolutions. Refer to current ASTM 1487 standards. The maximum rotations per minute for Spin Max events shall be no greater than 31. Test with the applied force of a male adult between the ages of 18 to 34, 150 lbs. [68 kgs.] to 190 lbs. [86 kgs] and 68" [1727 mm] to 73" [1854 mm] tall. If any questions or concerns arise during the installation or maintenance of the Spin Max brake, please contact the factory and ask to speak to a customer service representative at **1-800-333-8519**.

(D) Minimum distance of the underside outer edge should be 9" [230 mm] or greater above protective surface.

(E) An appropriate energy absorbing safety surface is required under and around all playground equipment. Loose fill protective surfacing is shown only as an example for the purpose of this assembly instruction. Other surfacing material may vary in thickness and/or compression depths. See free publication - The Handbook for Public Playground Safety, Publication #325 at [www.cpsc.gov](http://www.cpsc.gov) for the surfacing appropriate for the fall height of the equipment or consult your surfacing supply representative.



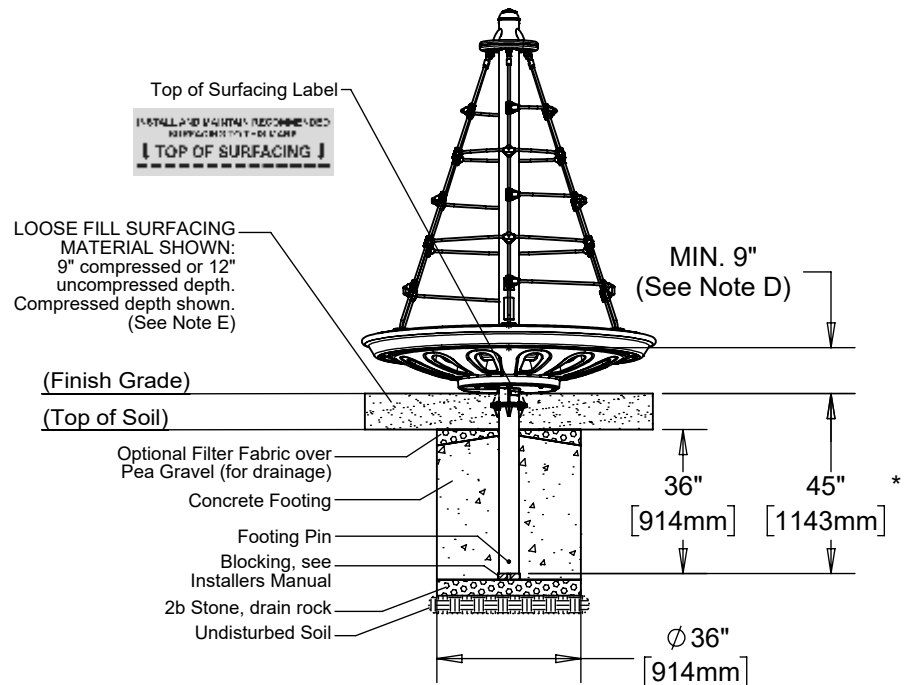
### Step 1

Refer to Footing Layout and mark footing hole location. Dig (1) Ø 36" footing hole. Refer to Footing Detail for depth and details.

**IMPORTANT:** For areas with soft soil conditions, larger footings may be required.

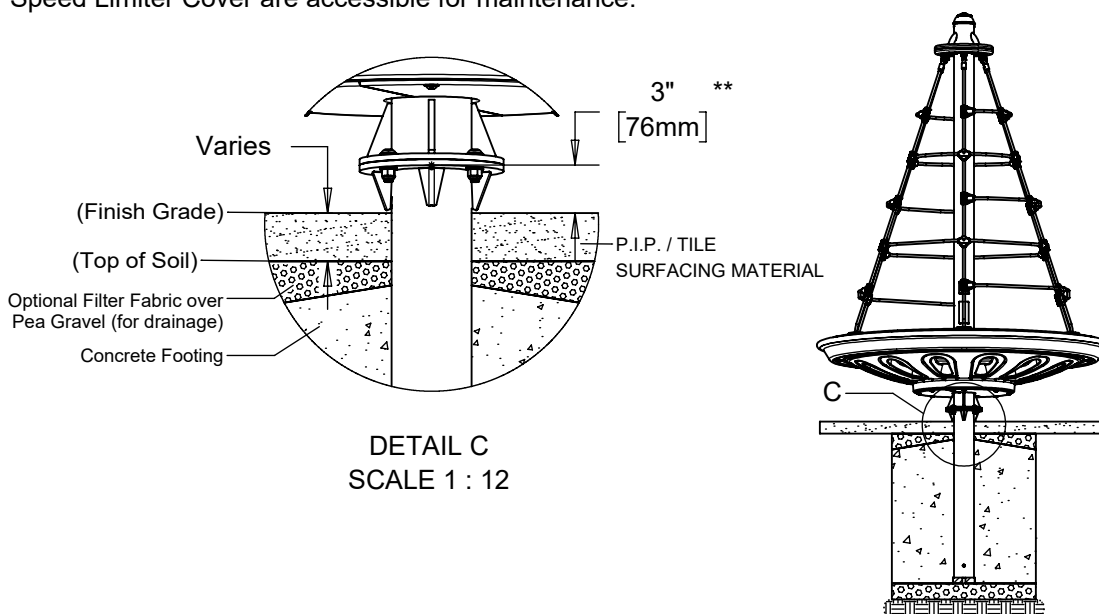
\* Footing depth must be adjusted to compensate for the depth/thickness requirements of selected safety surfacing. See Section 06.1 of the Installation Manual.

### LOOSE FILL Footing Detail

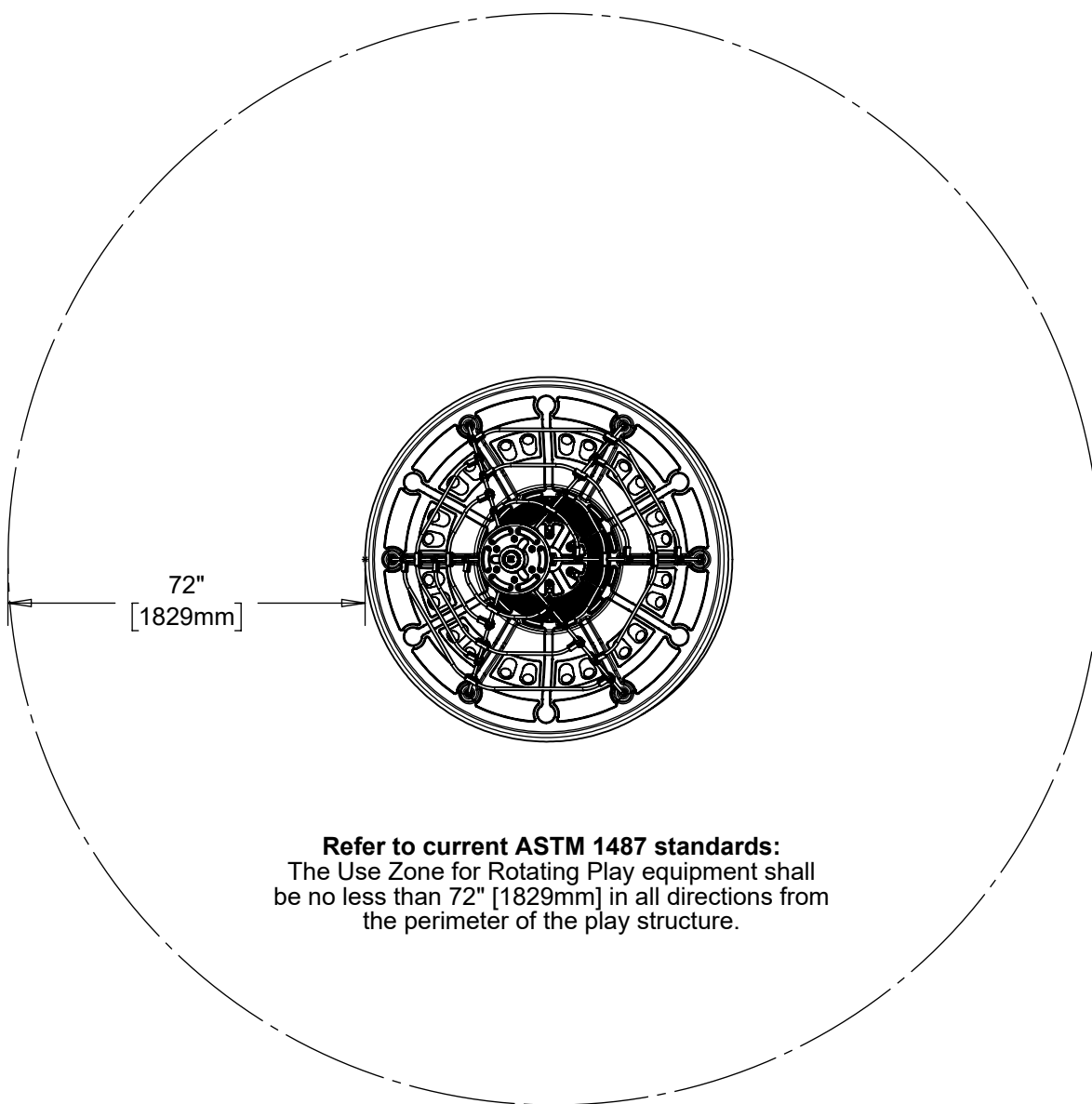


\*\* For P.I.P. / Rubber Tile Surfacing footing depth must be adjusted to ensure Leg Hardware and Speed Limiter Cover are accessible for maintenance.

### P.I.P. / TILE Footing Detail



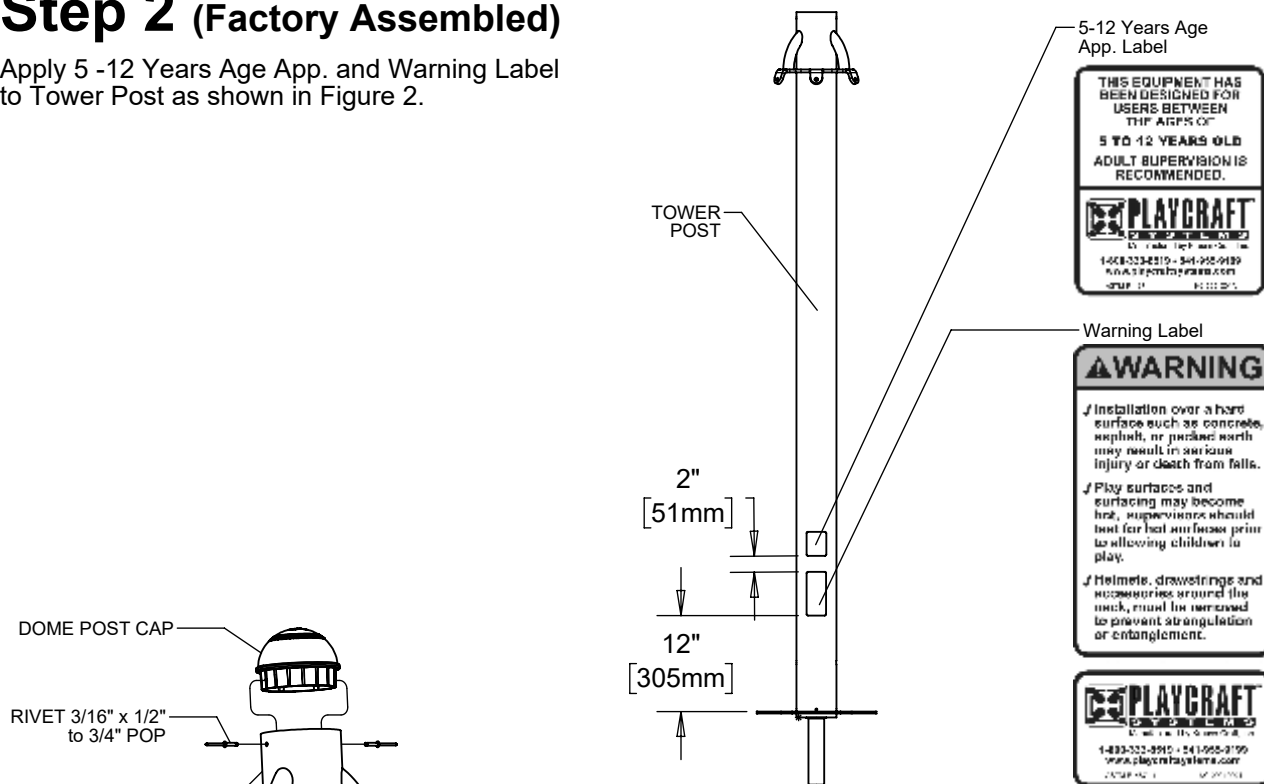
**Top View - Footing Layout**  
**72" [1829mm] Use Zone Recommended**



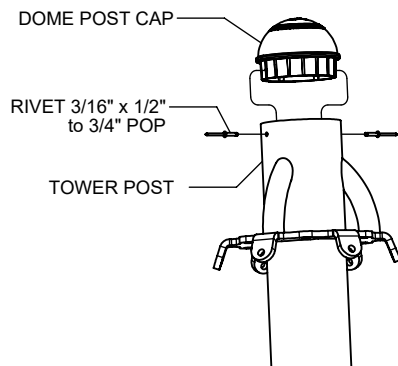
**Refer to current ASTM 1487 standards:**  
The Use Zone for Rotating Play equipment shall be no less than 72" [1829mm] in all directions from the perimeter of the play structure.

### Step 2 (Factory Assembled)

Apply 5-12 Years Age App. and Warning Label to Tower Post as shown in Figure 2.



**FIGURE 2**



**FIGURE 3**

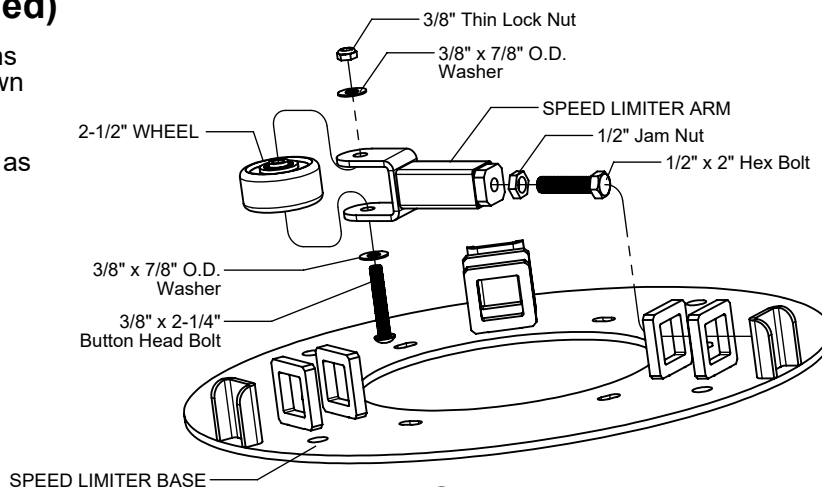
### Step 3 (Factory Assembled)

Attach Dome Post Cap to Tower Post as shown in Figure 3.

### Step 4 (Factory Assembled)

Attach 2-1/2" Wheels to Speed Limiter Arms and insert into Speed Limiter Base as shown in Figure 4.

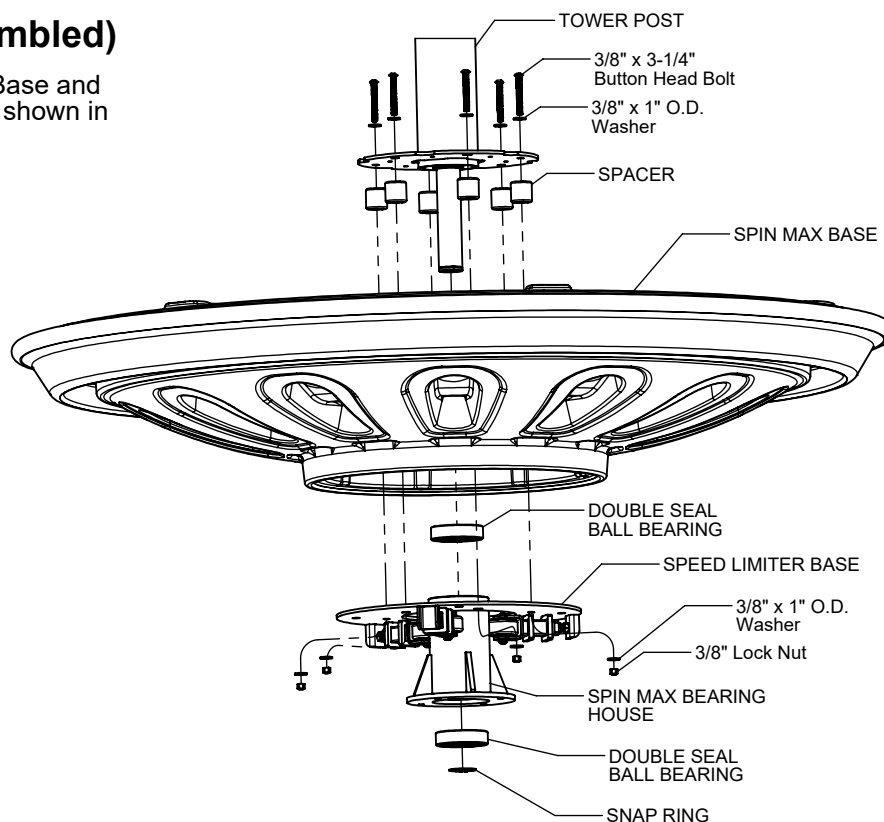
**NOTE:** Do not use liquid thread lock (such as Loctite®) on the 1/2" Jam Nuts and 1/2" x 2" Hex Bolts.



**FIGURE 4**

## Step 5 (Factory Assembled)

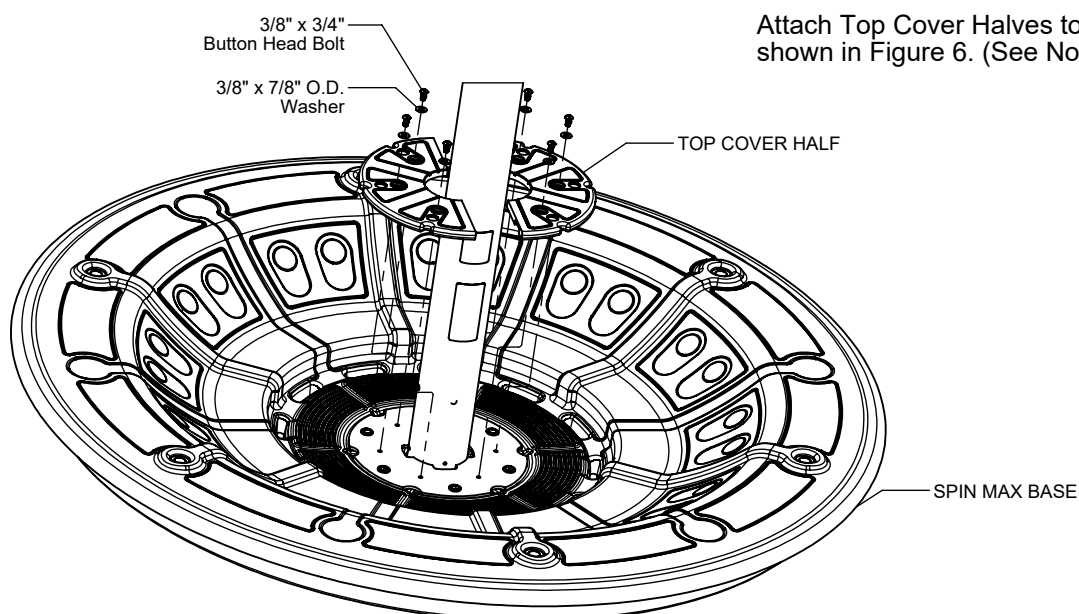
Insert Tower Post through Spin Max Base and attach to Spin Max Bearing House as shown in Figure 5. (See Note A)



**FIGURE 5**

## Step 6 (Factory Assembled)

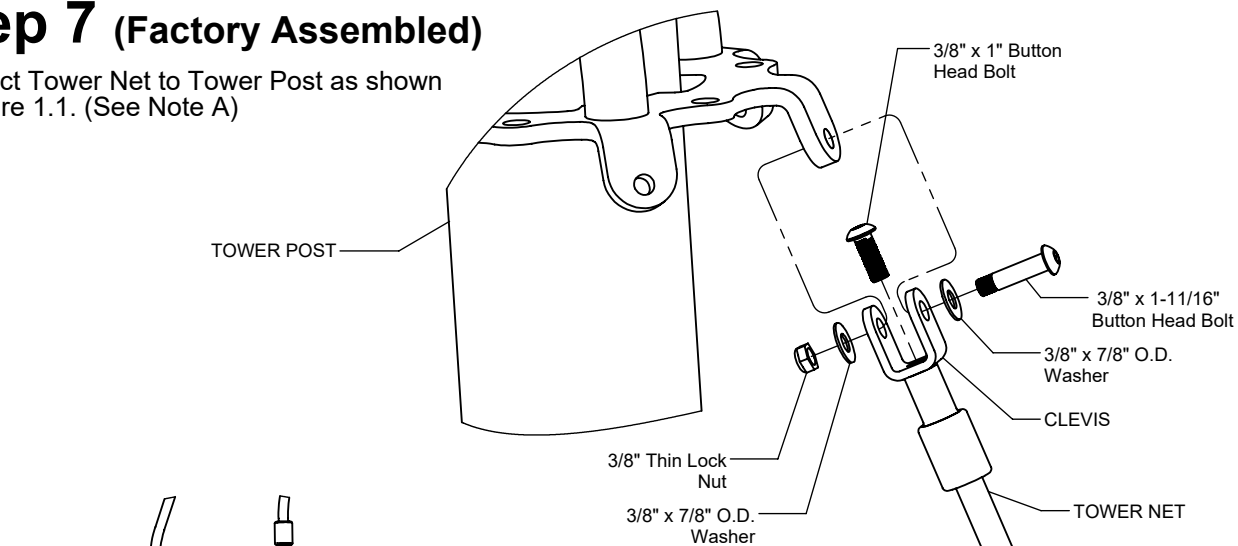
Attach Top Cover Halves to Spin Max Base as shown in Figure 6. (See Note A)



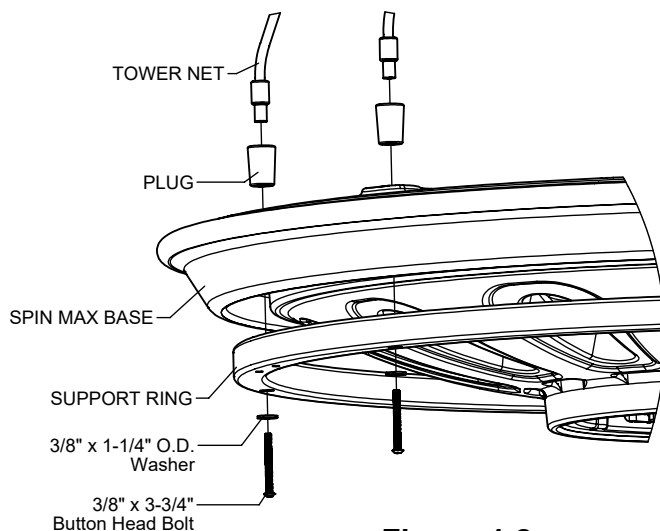
**FIGURE 6**

## Step 7 (Factory Assembled)

Connect Tower Net to Tower Post as shown in Figure 1.1. (See Note A)



**Figure 1.1**



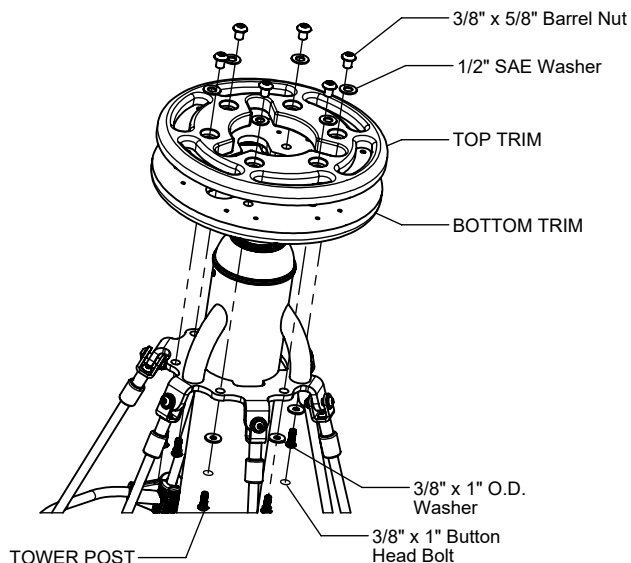
**Figure 1.2**

## Step 9 (Factory Assembled)

Attach Top and Bottom Trim to Tower Post as shown in Figure 7. (See Note A)

## Step 8 (Factory Assembled)

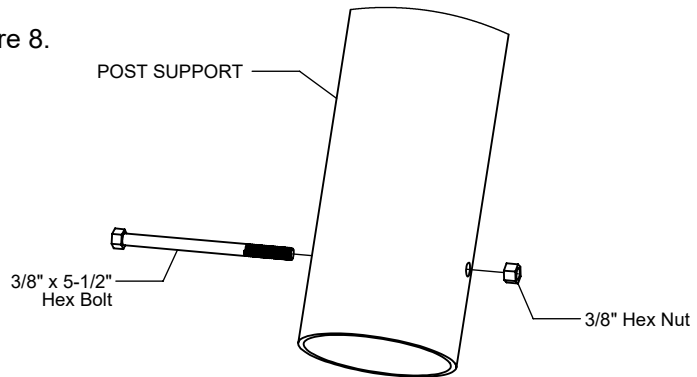
Attach Support Ring and Tower Net to Spin Max Base as shown in Figure 1.2. (See Note A)



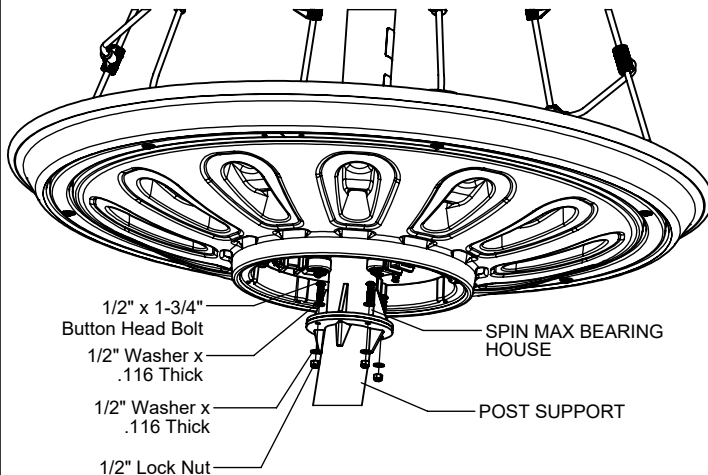
**FIGURE 7**

## Step 10

Install footing pin into Post Support as shown in Figure 8.  
 (See Note A)



**FIGURE 8**



**FIGURE 9**

## Step 14

Affix "Top of Surfacing" label to base of Spin Max Tower indicating the top of minimum required surfacing depth.  
 (See Note E)

## Step 15

To set brake tension, remove Cover Panel Halves, loosen 1/2" Jam Nuts and adjust all Tension Adjustment Bolts by 1/4 turn as shown in Figure 10. Test number of revolutions per minute. Tighten or loosen bolts evenly using 1/4 turn increments. Tighten 1/2" Jam Nuts when brake tension is properly set.  
 (See Note C)

**NOTE:** Do not over tighten Tension Adjustment Bolts.

If any questions or concerns arise during the installation or maintenance of the Spin Max brake, please contact the factory and ask to speak to a customer service representative at 1-800-333-8519.

## Step 11

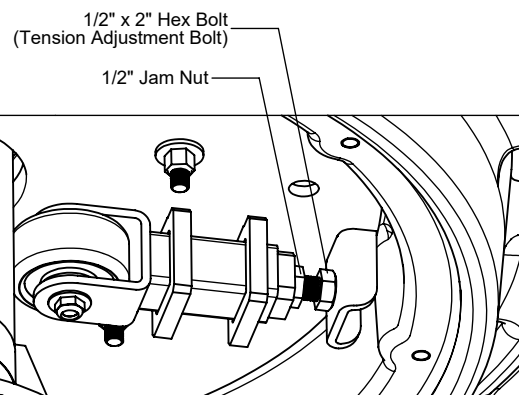
Attach Post Support to Spin Max Bearing House as shown in Figure 9 and place Spin Max Tower into footing hole. (See Notes A & B)

## Step 12

Fully tighten all fasteners according to the "TIGHTENING TORQUE FOR HARDWARE" section of the Installation Manual.

## Step 13

Plumb and level entire component. Pour concrete into footing hole. Allow at least 72 hours to cure before proceeding to next step. (See Note B)



**FIGURE 10**

## Step 16

Attach Bottom Cover as shown in Figure 11.

**NOTE:** Do not use liquid thread lock (such as Loctite®) in this step.

## Step 17

Place required protective surfacing under and around Spin Max Tower. (See Note E)

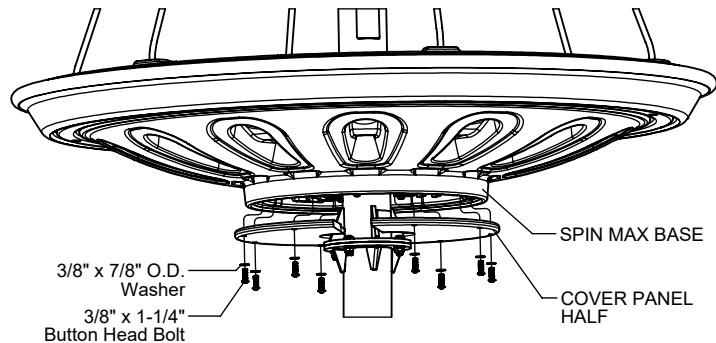


FIGURE 11

## Parts List

| Part #        | DESCRIPTION                    | QTY. |
|---------------|--------------------------------|------|
| EE-0220       | Spin Max Cover Panel Half      | 2    |
| FS-PC2476-SUP | Spin Max Post Support          | 1    |
| 372017        | Top of Surfacing Label         | 1    |
| 9103062-TR    | Bolt Button Head 3/8" x 1-1/4" | 8    |
| 9105082       | Bolt Button Head 1/2" x 1-3/4" | 4    |
| 9123231       | Bolt Hex 3/8" x 5-1/2"         | 1    |
| 9333042       | Washer Flat 3/8" x 7/8" O.D.   | 8    |
| 9335002       | Washer Flat 1/2" (.116" thick) | 8    |
| 9415132       | Nut Lock 1/2"                  | 4    |
| 9483602       | Nut Hex 3/8"                   | 1    |

## Assembled Parts List

| Part #        | DESCRIPTION                              | QTY. |
|---------------|--|------|
| BE-0407       | Rope Clevis                              | 6    |
| DE-0044       | Spin Max Base                            | 1    |
| EE-0226       | Spin Max Top Cover                       | 2    |
| EE-0228-BTM   | Spin Max Top Plate Trim-Bottom           | 1    |
| EE-0228-TOP   | Spin Max Top Plate Trim-Top              | 1    |
| FS-PC2476-BHS | Spin Max Bearing House                   | 1    |
| FS-PC2476-LTR | Speed Limiter Arm                        | 3    |
| FS-PC2476-PST | Spin Max Tower Post                      | 1    |
| FS-PC2476-RNG | Spin Max Support Ring                    | 1    |
| FS-PC2476-SLB | Speed Limiter Base                       | 1    |
| GF-7002       | Post Cap R5 Dome                         | 1    |
| HE-0035       | Spin Max Tower Net                       | 1    |
| IE-0024       | Roto Ferrule Plug                        | 6    |
| IE-0028       | Spin Max Base Spacer                     | 6    |
| 321250        | 2-1/2" Merry-go-Round Wheel              | 3    |
| 372010        | ASTM 5-12 Years Age App. Label           | 1    |
| 372016        | Warning Label                            | 1    |
| 480320        | External Snap Ring                       | 1    |
| 481631        | Double Seal Ball Bearing                 | 2    |
| 9103210-TR    | Bolt Button Head 3/8" x 1-11/16"         | 6    |
| 9103032-TR    | Bolt Button Head 3/8" x 3/4"             | 6    |
| 9103052-TR    | Bolt Button Head 3/8" x 1"               | 12   |
| 9103102-TR    | Bolt Button Head 3/8" x 2-1/4"           | 3    |
| 9103142-TR    | Bolt Button Head 3/8" x 3-1/4"           | 6    |
| 9103162-TR    | Bolt Button Head 3/8" x 3-3/4"           | 6    |
| 9125092-TAP   | Bolt Hex 1/2" x 2" Full Thread           | 3    |
| 9333002       | Washer Flat 3/8" x 1" O.D. x .100" thick | 18   |
| 9333042       | Washer Flat 3/8" x 7/8" O.D.             | 24   |
| 9333062       | Washer Flat 3/8" x 1-1/4" x .125         | 6    |
| 9345002       | Washer Flat SAE 1/2"                     | 6    |
| 9413002       | Nut Lock 3/8"                            | 6    |
| 9423002       | Nut Lock Thin 3/8"                       | 9    |
| 9443022-TR    | Nut Barrel 3/8" x 5/8" BH                | 6    |
| 9485132-JAM   | Jam Nut 1/2" Zinc                        | 3    |
| 9610012       | Rivet 3/16" x 1/2" to 3/4" Pop           | 2    |



## Specifications

### **SPIN MAX BASE:**

Shall be constructed of UV-stabilized, rotationally molded, linear, low density polyethylene with an average wall thickness of .250".

### **SPIN MAX BEARING HOUSE:**

Shall be machined using 5" O.D. 1/2" wall with welded 3/8" thick steel mounting plate and will have a multi-stage baked-on powder coat finish.

### **SPIN MAX POST SUPPORT:**

Shall be fabricated using 5" O.D. 7 gauge steel post with welded 3/8" thick steel plate and will have a multi-stage baked-on powder coat finish.

### **SPIN MAX SUPPORT RING:**

Shall be fabricated using 2" square 11 gauge steel outer ring with welded 3/8" thick steel splice bars and will have a multi-stage baked-on powder coat finish.

### **SPIN MAX TOWER POST:**

Shall be fabricated using 5" O.D. 7 gauge steel tubing with welded 3/8" thick steel top plate, 1/4" thick steel bottom plate and machined steel spindle and will have a multi-stage baked-on powder coat finish.

### **SPEED LIMITER ARM:**

Shall be fabricated using 1-1/4" square 16 gauge steel tubing with welded 3/8" thick steel plug and 3/16" thick steel clevis and will have a multi-stage baked-on powder coat finish.

### **SPEED LIMITER BASE:**

Shall be fabricated using 1/4" thick steel plate with welded 3/16" thick steel tabs and 3/8" thick steel ring blocks and will have a multi-stage baked-on powder coat finish.

### **ROPE CLEVIS:**

Shall be formed using 3/16" thick stainless steel and will have a multi-stage baked-on powder coat finish.

### **SPIN MAX TOWER NET:**

Shall be made from 16mm steel-reinforced rope with high-strength copolymer plastic intersection connectors and machined aluminum end ferrules.

### **SPIN MAX BASE SPACERS & ROTO FERRULE PLUGS:**

Shall be machined from high strength aluminum.

### **SPIN MAX COVER PANEL HALVES, TOP COVERS & TOP PLATE TRIM:**

Shall be made from high density 3/4" sheet plastic specially formulated for optimum UV stability and color retention.

## Specifications

### **POST CAP R5 DOME:**

Shall be precision die-cast from a high-strength aluminum alloy and will have a multi-stage baked-on powder coat finish.

### **HARDWARE:**

Shall be stainless steel, zinc/nickel plated or galvanized as required to resist rust and corrosion.

## Maintenance

Periodically tighten all screws, bolts and nuts. A periodic inspection of all parts is necessary. If a part is broken or worn, replace immediately. For general maintenance please refer to our Playground Maintenance Manual.