

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.

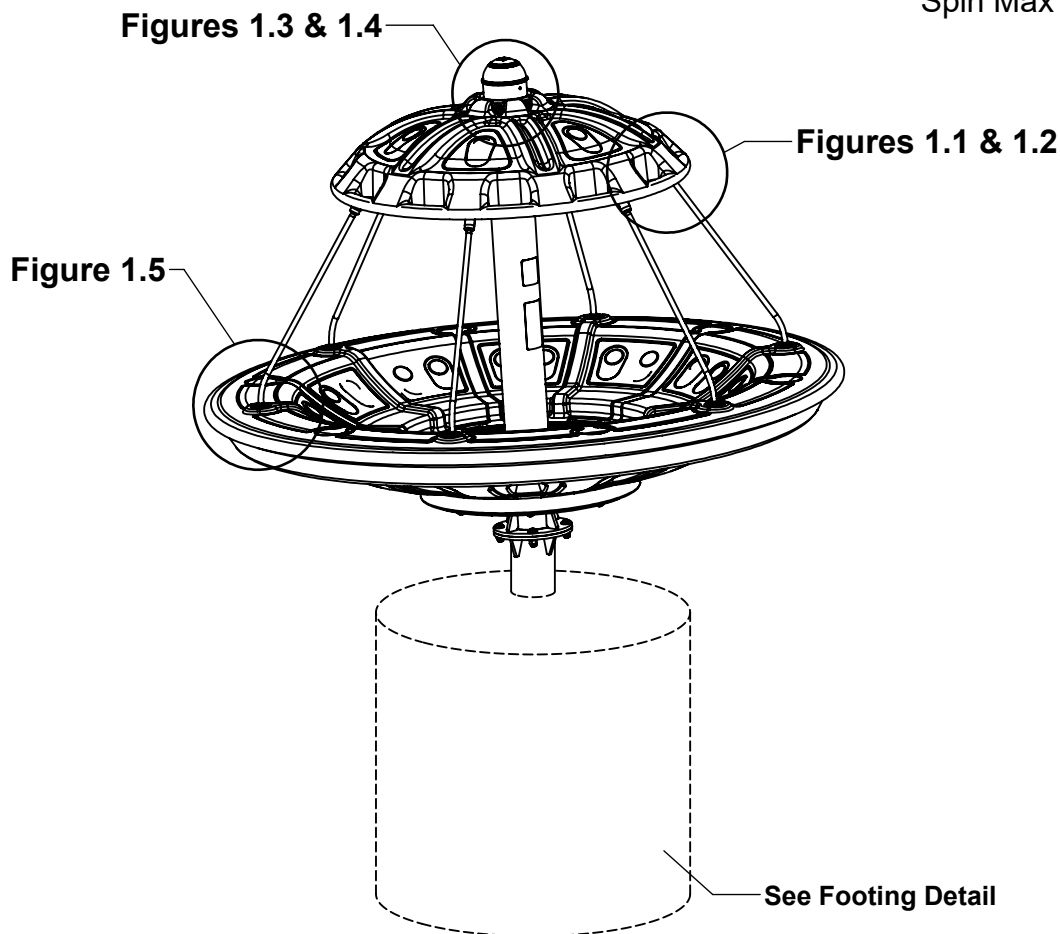
(B) Do not pour concrete until the equipment is completely assembled, leveled and plumbed. Concrete must be allowed to cure completely before using the equipment (at least 72 hours).

(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 for the surfacing appropriate for the fall height of the equipment or consult your surfacing supply representative.

FIGURE 1
Spin Max Go-Round



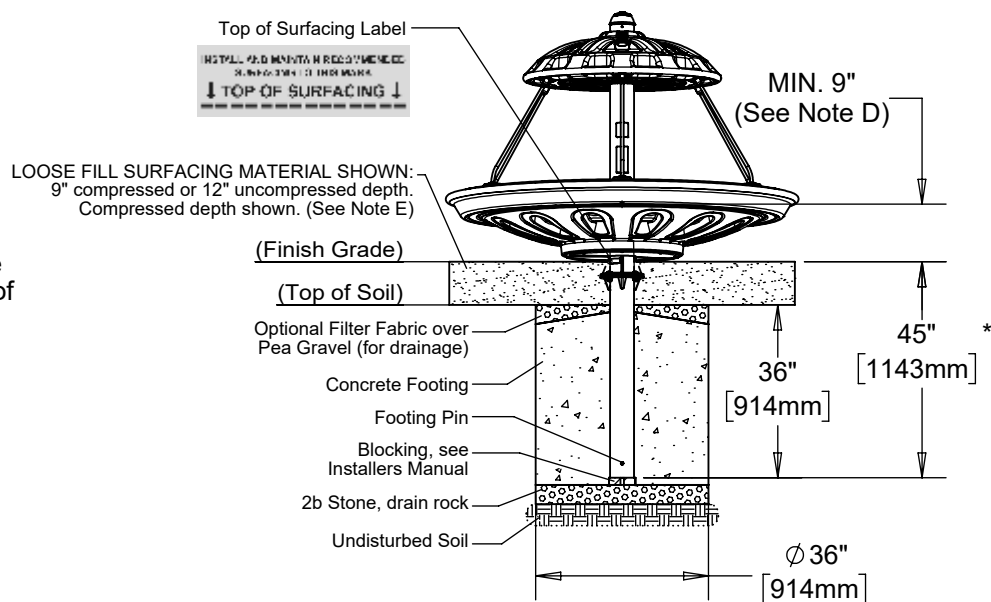
Step 1

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.

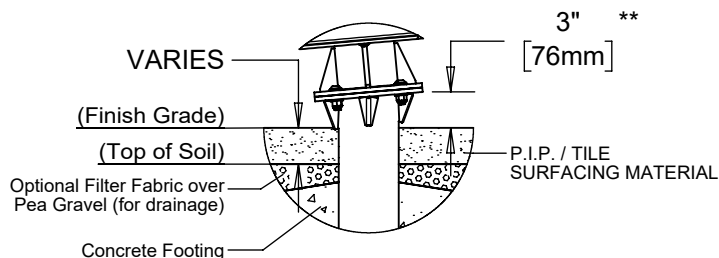
* Footing depth must be adjusted to compensate for the depth/thickness requirements of selected safety surfacing. See Section 06.1 of the Installation Manual.

Loose Fill Footing Detail

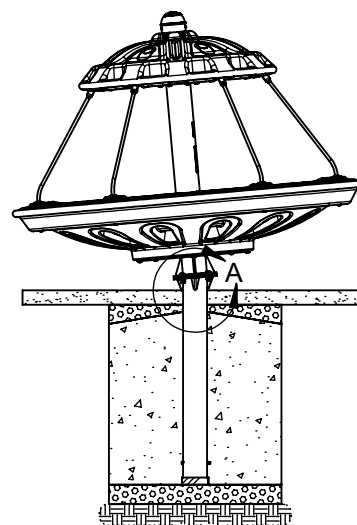


** For P.I.P. / Rubber Tile Surfacing footing depth must be adjusted to ensure Leg Hardware and Speed Limiter Cover are accessible for maintenance.

P.I.P. / TILE Footing Detail

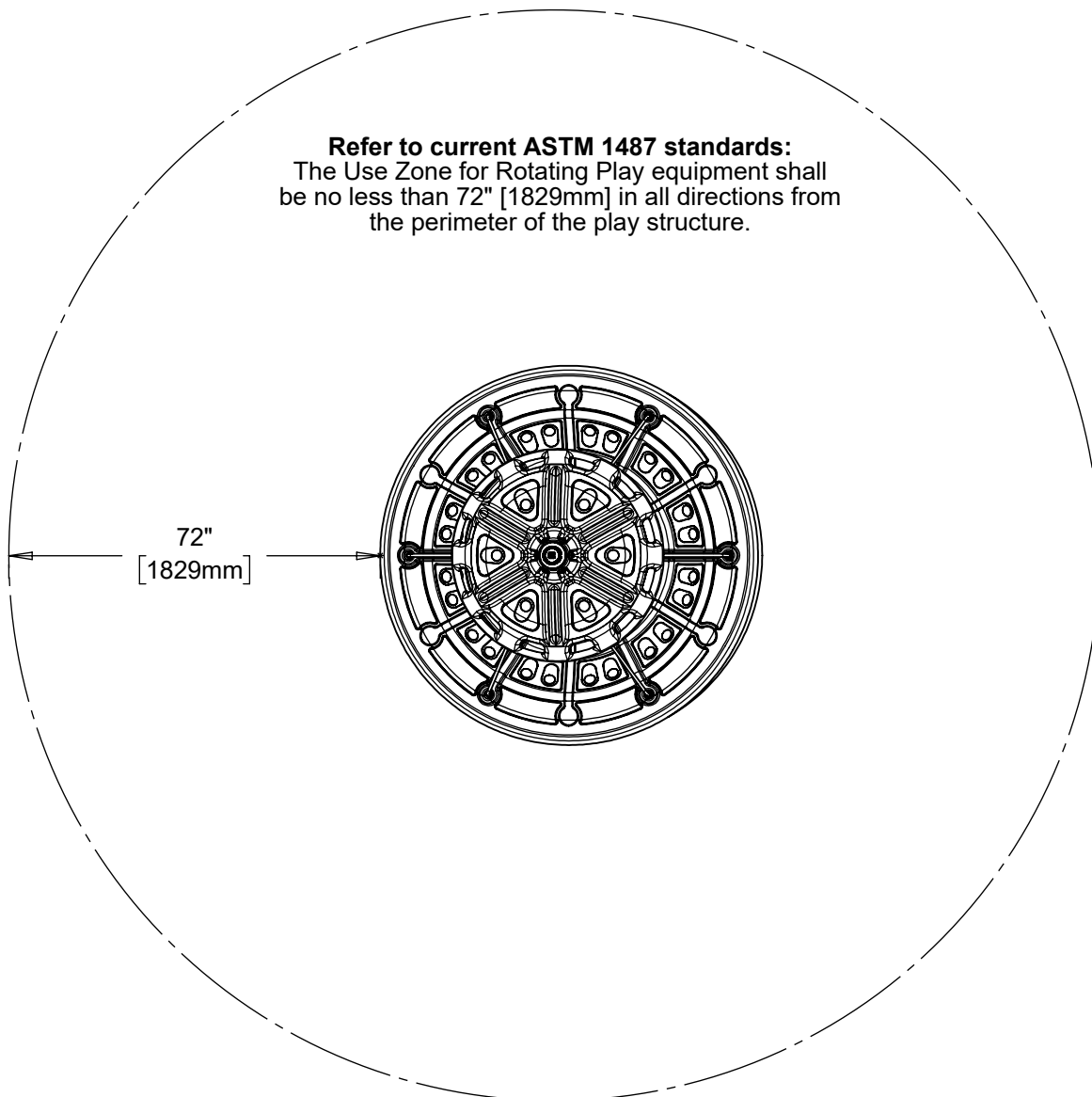


DETAIL A
SCALE 1 : 16



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 Go-Round Post as shown in Figure 2.

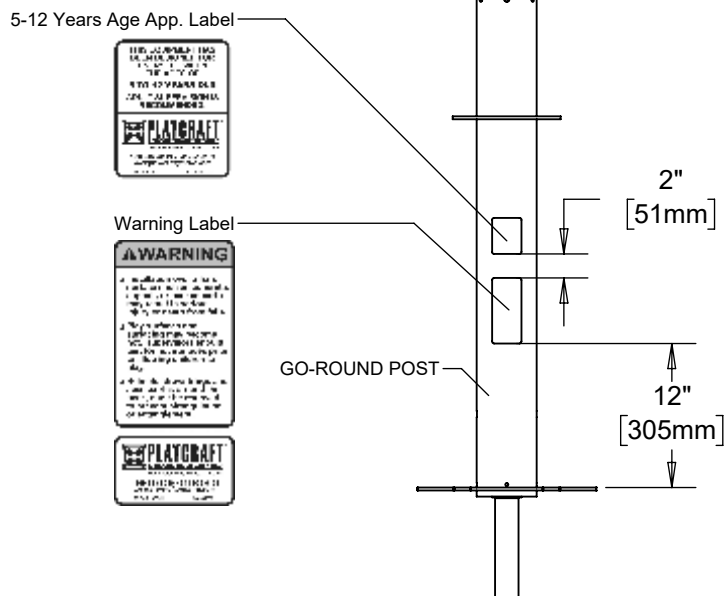


FIGURE 2

Step 3 (Factory Assembled)

Attach 2-1/2" Wheels to Speed Limiter Arms and insert into Speed Limiter Base as shown in Figure 3.
(See Note A)

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

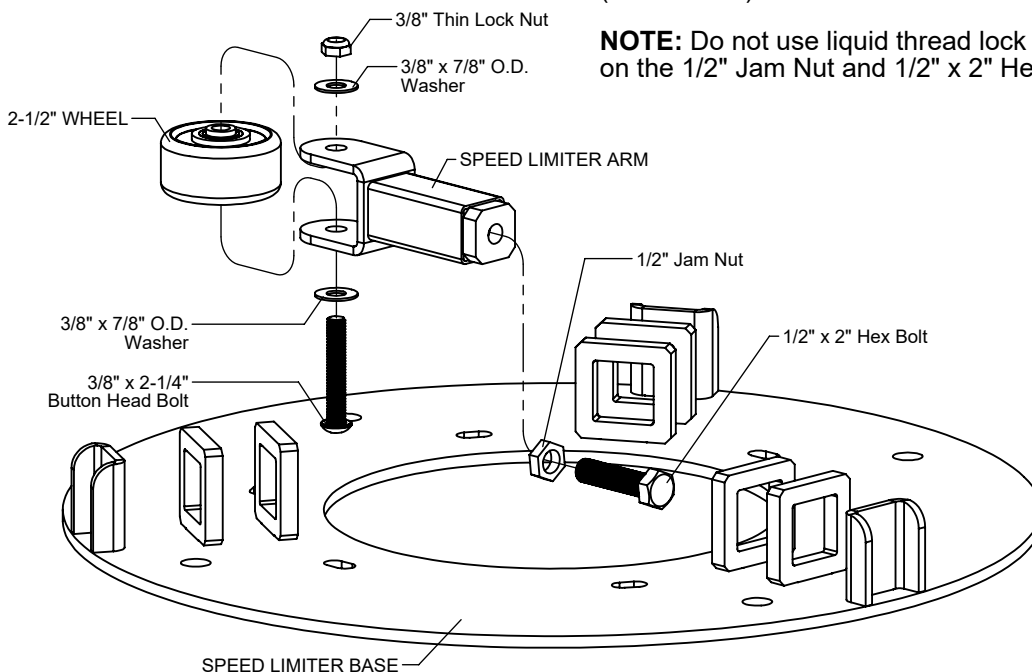


FIGURE 3

Step 4 (Factory Assembled)

Insert Go-Round Post through Spin Max Base and attach to Spin Max Bearing House as shown in Figure 4. (See Note A)

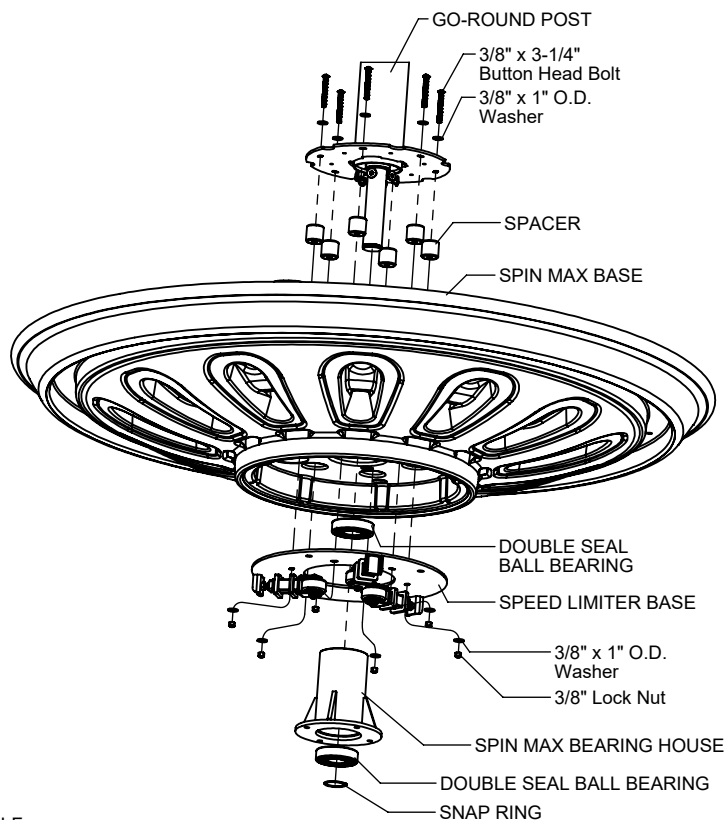


FIGURE 4

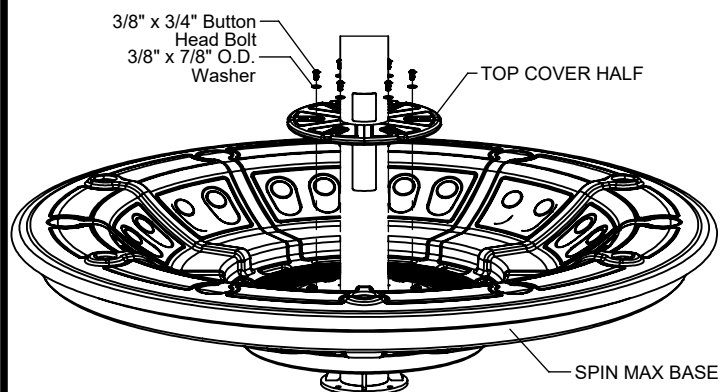


FIGURE 5

Step 5 (Factory Assembled)

Attach Top Cover Halves to Spin Max Base as shown in Figure 5. (See Note A)

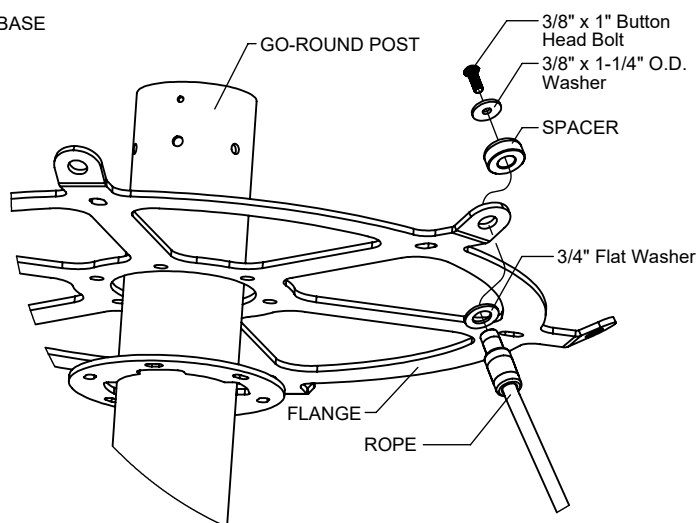


Figure 1.1

Step 6 (Factory Assembled)

Set Flange onto Go-Round Post and attach Ropes to Flange as shown in Figure 1.1. (See Note A)

Step 7 (Factory Assembled)

Attach Flange to Spin Max Top and Go-Round Post as shown in Figure 1.2. (See Note A)

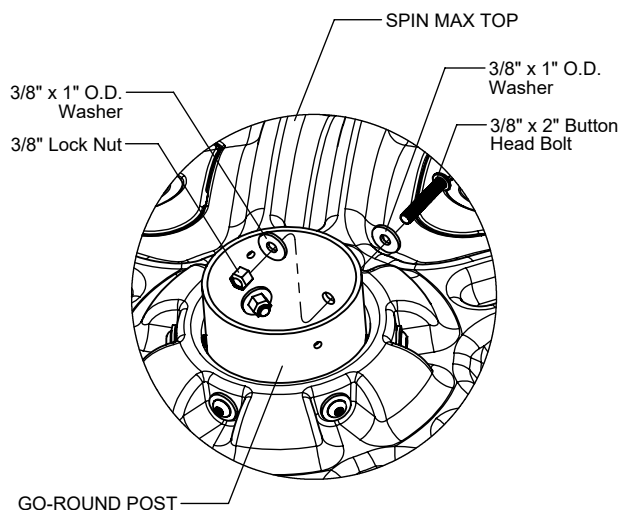


Figure 1.3

Step 9 (Factory Assembled)

Attach Dome Post Cap to Go-Round Post as shown in Figure 1.4. (See Note A)

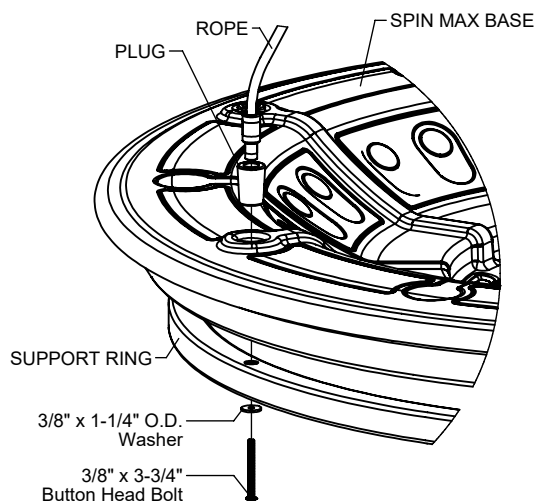


Figure 1.5

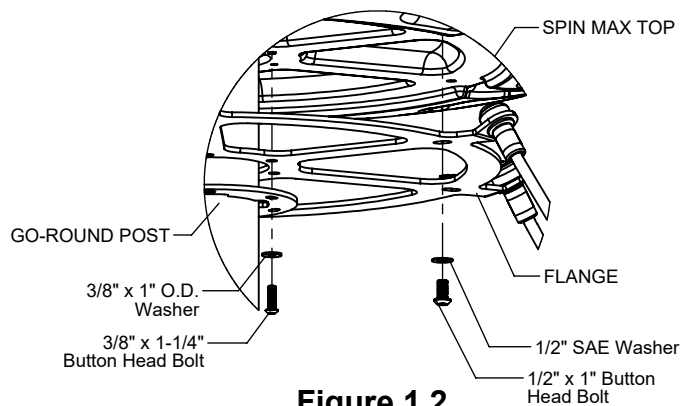


Figure 1.2

Step 8 (Factory Assembled)

Attach Spin Max Top to Go-Round Post as shown in Figure 1.3. (See Note A)

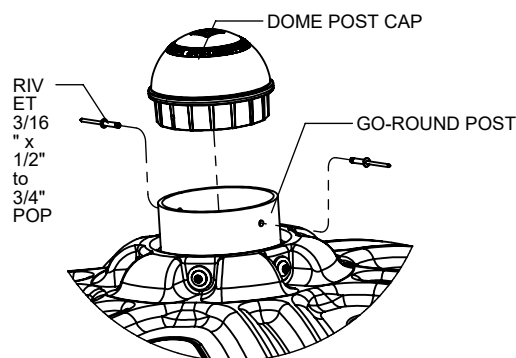


Figure 1.4

Step 10 (Factory Assembled)

Attach Support Ring and Ropes to Spin Max Base as shown in Figure 1.5. (See Note A)

Step 11

Install footing pin into Post Support as shown in Figure 6.
(See Note A)

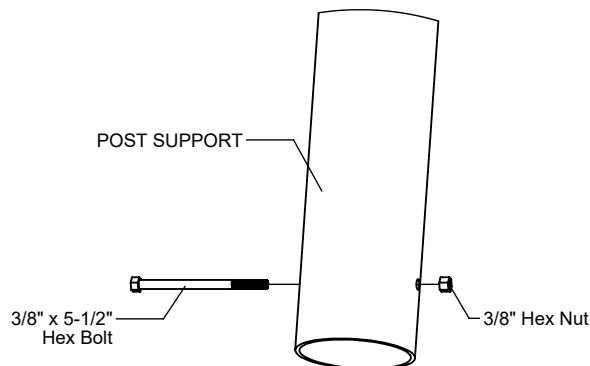


FIGURE 6

Step 12

Attach Post Support to Spin Max Bearing House as shown in Figure 7 and place Spin Max Go-Round into footing hole. (See Notes A & B)

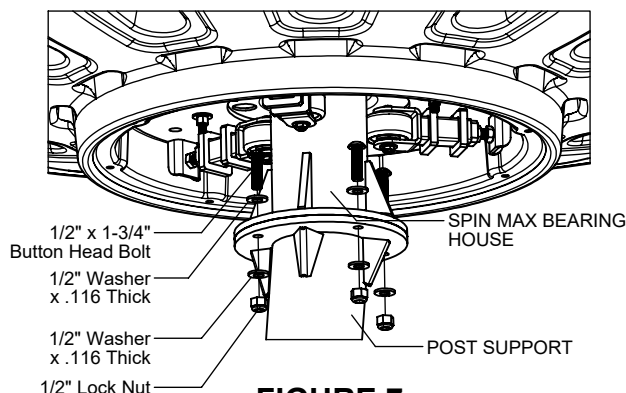


FIGURE 7

Step 13

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

Step 14

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)

Step 15

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

Step 16

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 8. 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.

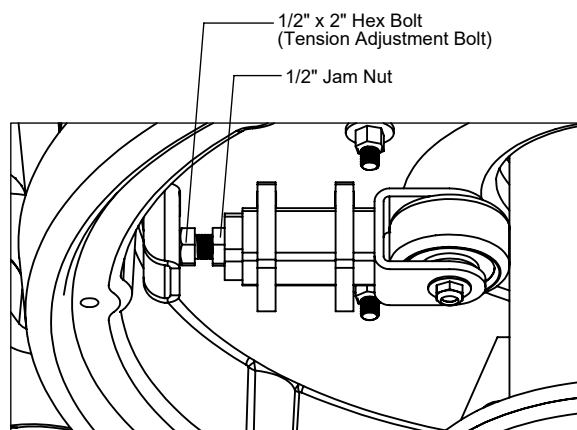


FIGURE 8

Step 17

Attach Bottom Cover as shown in Figure 9.

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

Step 18

Place required protective surfacing under and around Spin Max Go-Round. (See Note E)

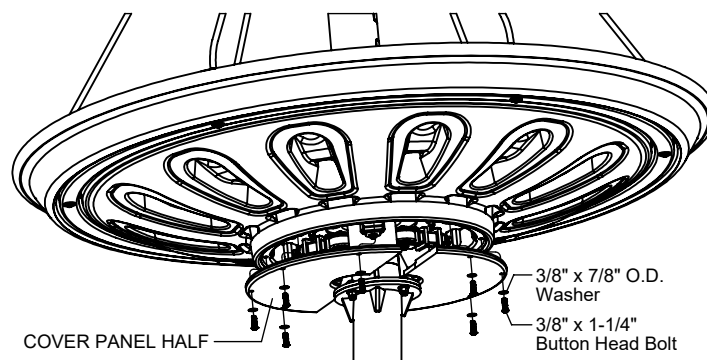


FIGURE 9

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-0374	Spin Max Support Flange	1
DE-0044	Spin Max Base	1
DE-0045	Spin Max Top	1
EE-0187	Rope Bridge Spacer	6
EE-0226	Spin Max Top Cover	2
FS-PC2476-BHS	Spin Max Bearing House	1
FS-PC2476-LTR	Speed Limiter Arm	3
FS-PC2476-RNG	Spin Max Support Ring	1
FS-PC2476-SLB	Speed Limiter Base	1
FS-PC2477-PST	Spin Max Go-Round Post	1
GF-7002	Post Cap R5 Dome	1
HE-0036	Spin Max Go-Round Rope	6
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
372017	Top of Surfacing Label	1
480320	External Snap Ring	1
481631	Double Seal Ball Bearing	2
9103032-TR	Bolt Button Head 3/8" x 3/4"	6
9103052-TR	Bolt Button Head 3/8" x 1"	6
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	6
9103092-TR	Bolt Button Head 3/8" x 2"	6
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
9105052	Bolt Button Head 1/2" x 1"	6
9125092-TAP	Bolt Hex 1/2" x 2" Full Thread	3
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	30
9333042	Washer Flat 3/8" x 7/8" O.D.	12
9333062	Washer Flat 3/8" x 1-1/4" x .125	12
9338002	Washer Flat 3/4"	6
9345002	Washer Flat SAE 1/2"	6
9413002	Nut Lock 3/8"	12
9423002	Nut Lock Thin 3/8"	3
9485132-JAM	Jam Nut 1/2" Zinc	3
9610012	Rivet 3/16" x 1/2" to 3/4" Pop	2

Specifications

SPIN MAX BASE & TOP:

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. The Spin Max Bearing House shall 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. The Spin Max Post Support shall have a multi-stage baked-on powder coat finish.

SPIN MAX SUPPORT FLANGE:

Shall be formed using 1/4" thick sheet steel. The Spin Max Support Flange shall 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. The Spin Max Support Ring shall have a multi-stage baked-on powder coat finish.

SPIN MAX GO-ROUND POST:

Shall be fabricated using 5" O.D. 7 gauge steel tubing with welded 3/8" thick steel plates and machined steel spindle. The Spin Max Go-Round Post shall 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. The Speed Limiter Arm shall 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, 3/8" thick steel ring blocks. The Speed Limiter Base shall have a multi-stage baked-on powder coat finish.

POST CAP R5 DOME:

Shall be precision die-cast from a high-strength aluminum alloy. Post Cap R5 Dome shall have a multi-stage baked-on powder coat finish.

SPIN MAX SIT DOWN ROPE:

Shall be made from 16mm steel-reinforced rope with machined aluminum end ferrules.

SPIN MAX BASE SPACERS & ROTO FERRULE PLUGS:

Shall be machined from high strength aluminum.

SPIN MAX TOP, COVER PANEL & ROPE BRIDGE SPACER:

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

ROPE BRIDGE SPACER:

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

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.