

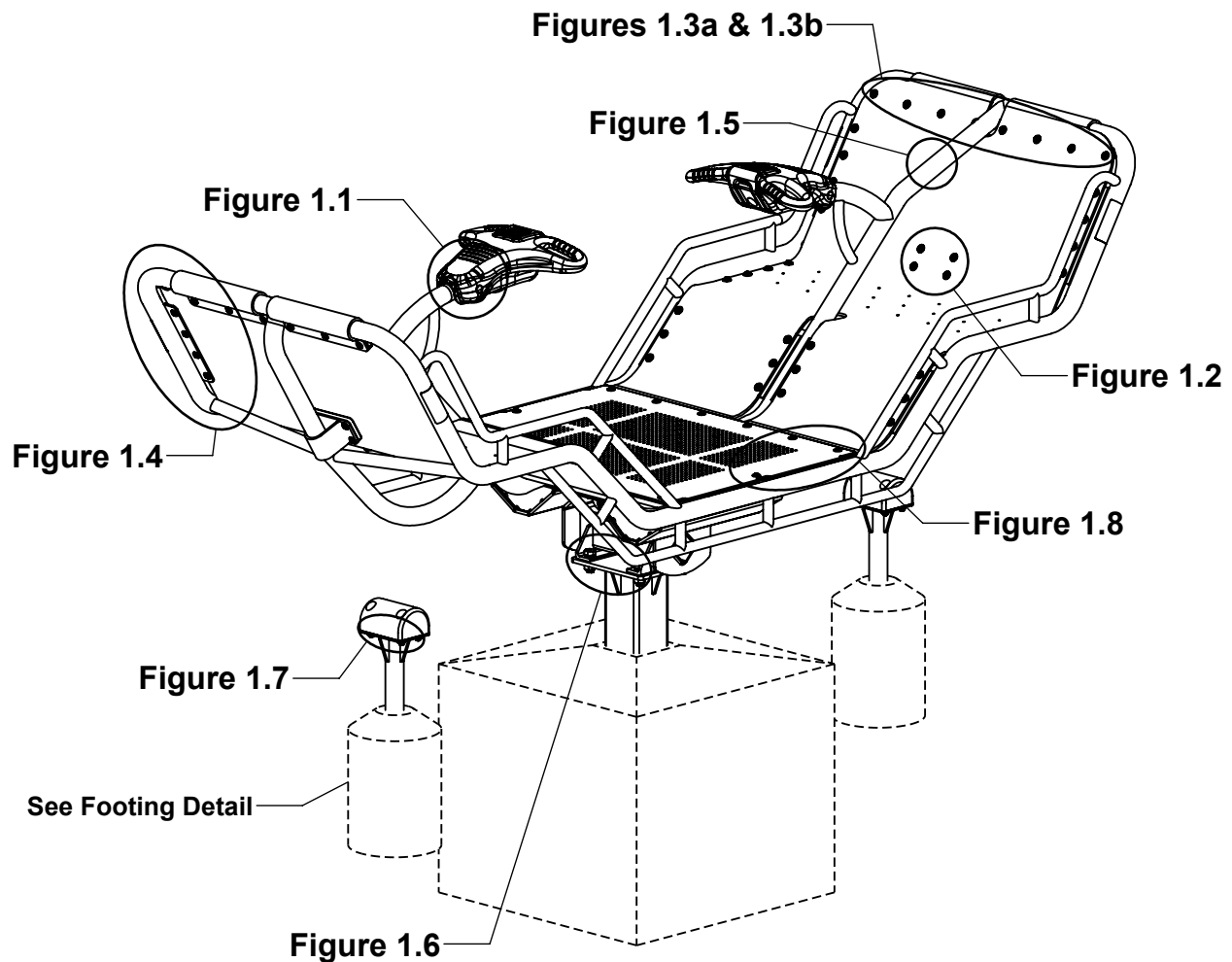
## IMPORTANT NOTES: Read First

(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) 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.

**FIGURE 1**  
SpringMax Turbo Totter



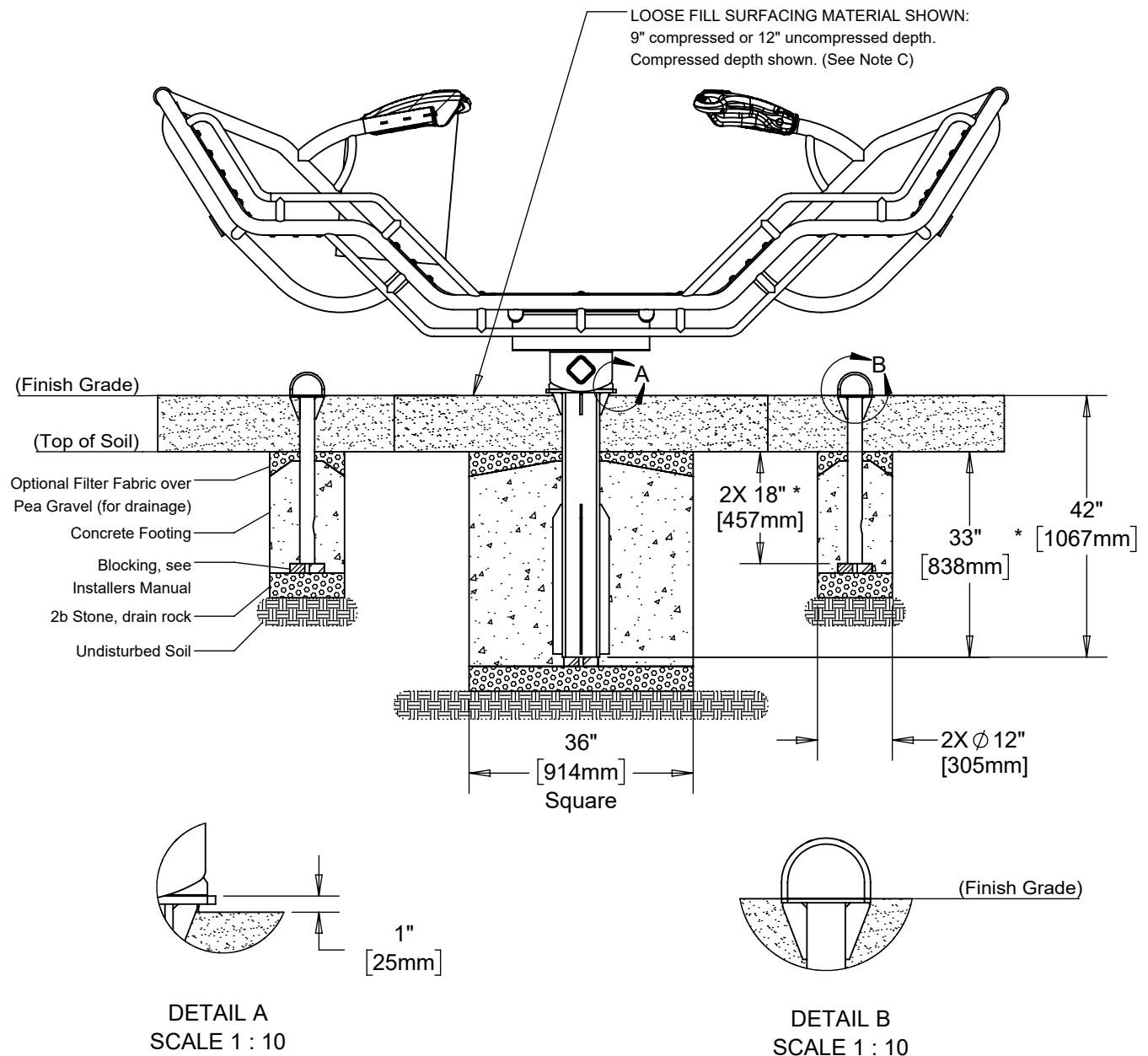
## Step 1

Refer to Footing Layout and mark footing hole locations. Dig (1) 36" square and (2)  $\phi$  12" footing holes. Refer to Elevation View - Footing Detail for depth and details.

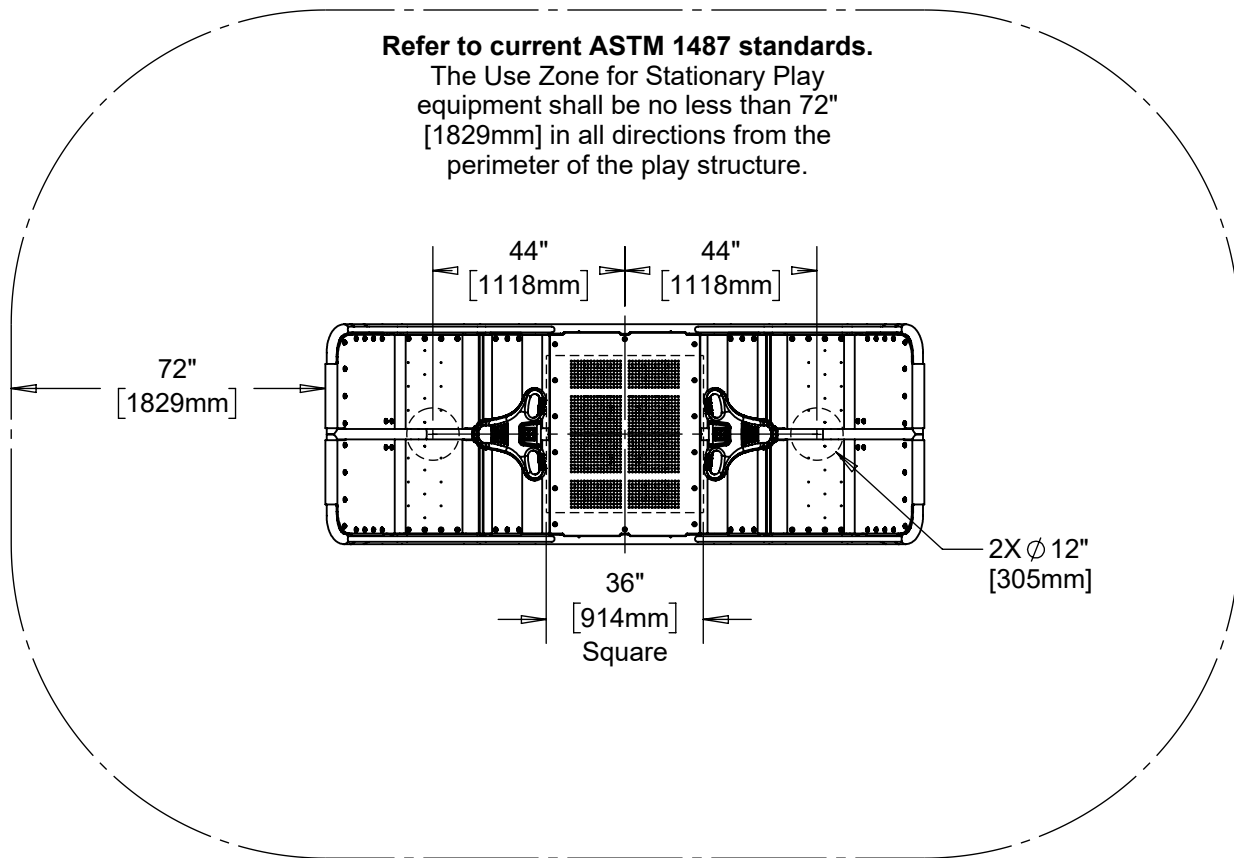
**IMPORTANT:** For areas with soft soil conditions, larger footings may be required.

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

### Elevation View - Footing Detail

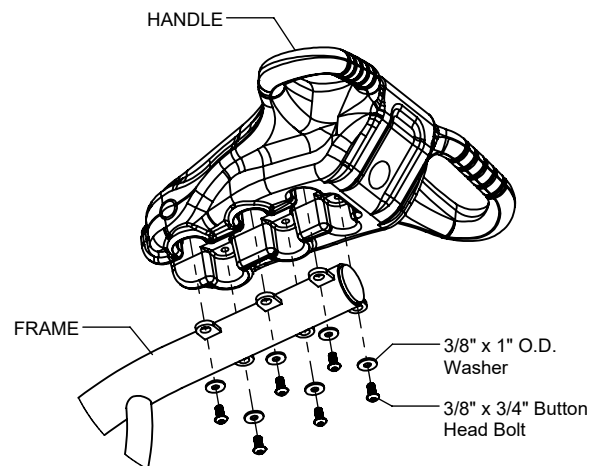


**Top View - Footing Layout**



**Step 2 (Factory Assembled)**

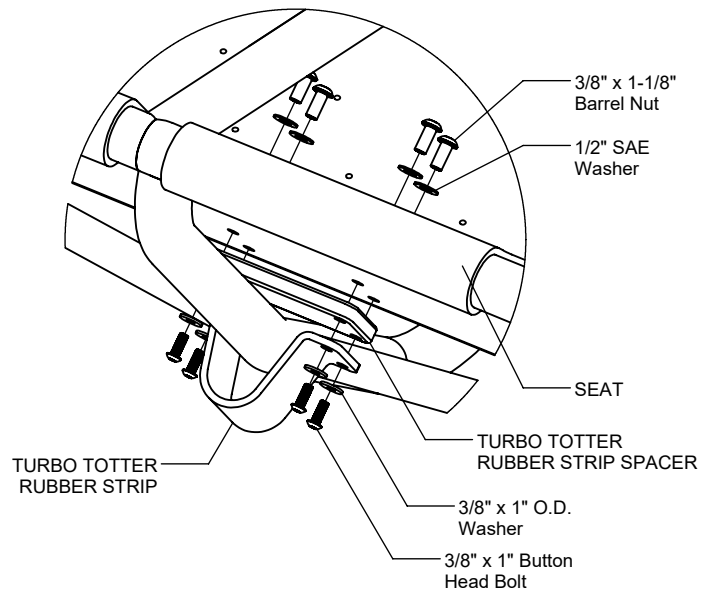
Attach Handle to Frame as shown in Figure 1.1.  
(See Note A)



**Figure 1.1**

## Step 3 (Factory Assembled)

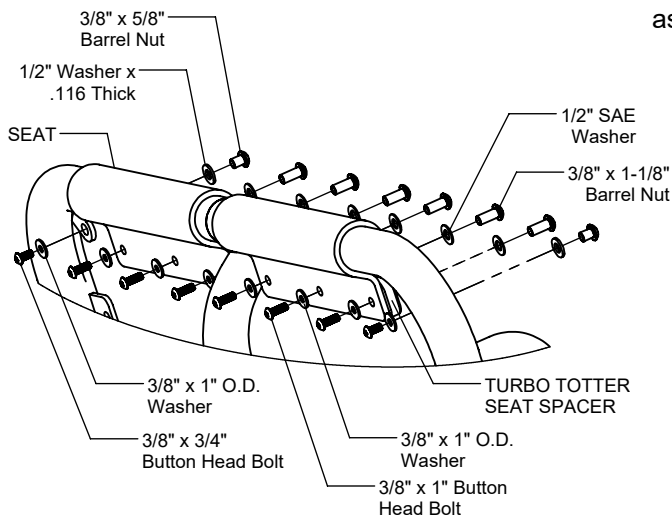
Attach Seat and Turbo Totter Rubber Strip Spacer to Frame as shown in Figure 1.2. (See Note A)



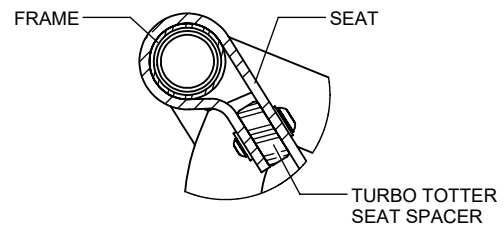
**Figure 1.2**

## Step 4 (Factory Assembled)

Attach Seat and Turbo Totter Seat Spacer to Frame as shown in Figures 1.3a & 1.3b. (See Note A)



**Figure 1.3a**



**Figure 1.3b**

### Step 5 (Factory Assembled)

Attach Seat to Frame as shown in Figures 1.4.  
(See Note A)

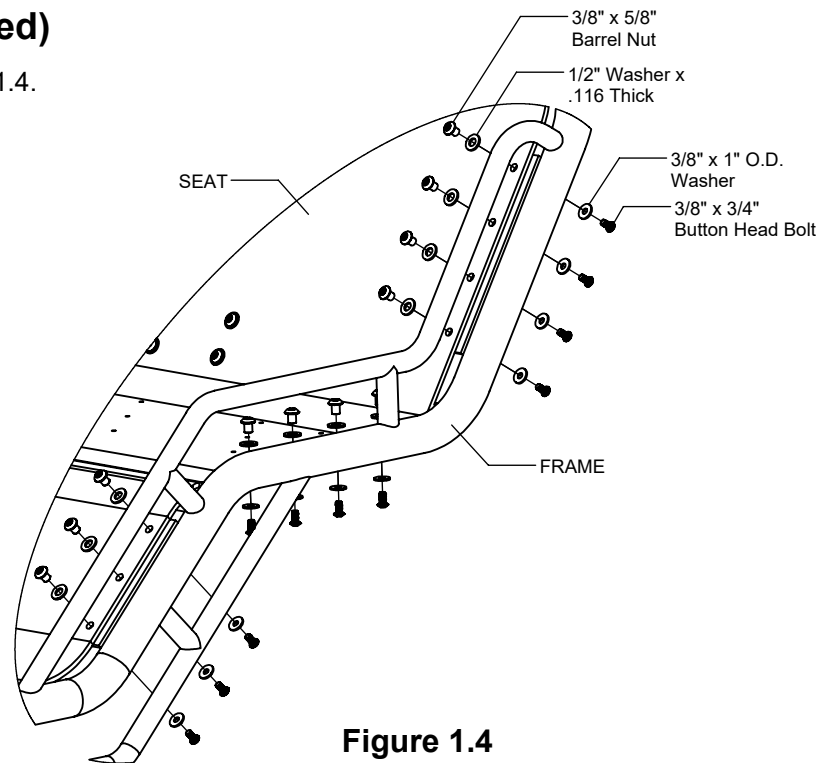


Figure 1.4

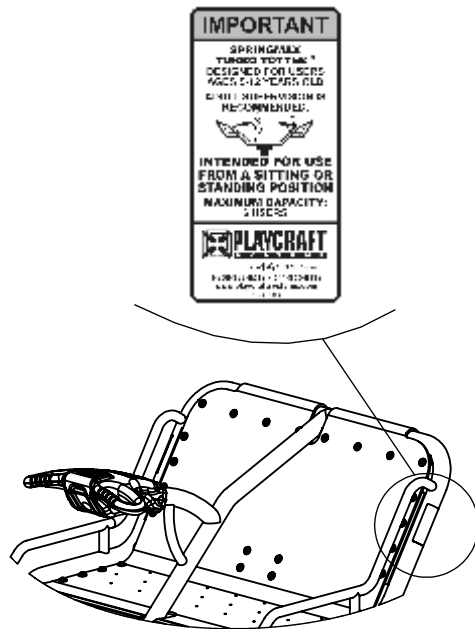


Figure 1.5

### Step 6 (Factory Assembled)

Attach 5-12 Turbo Totter Warning Label to Frame  
as shown in Figure 1.5.

Note: 4 Required

### Step 7

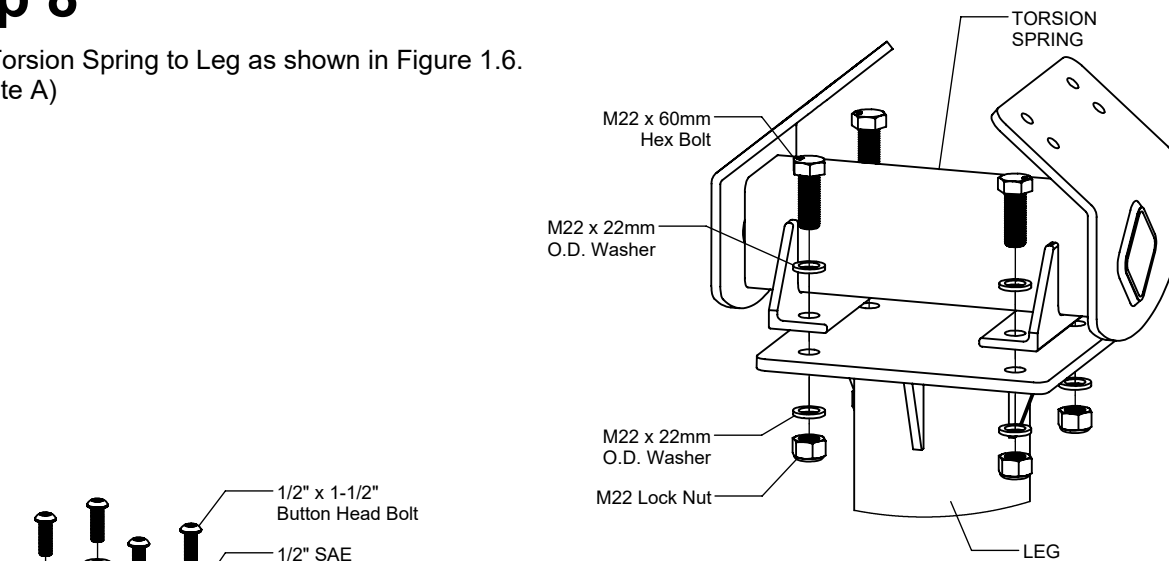
Place Turbo Totter Leg into footing hole. Plumb and level center leg. Pour concrete into footing hole. Allow at least 72 hours to cure before assembling components onto leg. (See Note B)

Note: Turbo Totter Leg must be set to height that will allow 1 inch minimum distance from top of leg plate to finished grade. Refer to Elevation View - Footing Detail for depth and details.

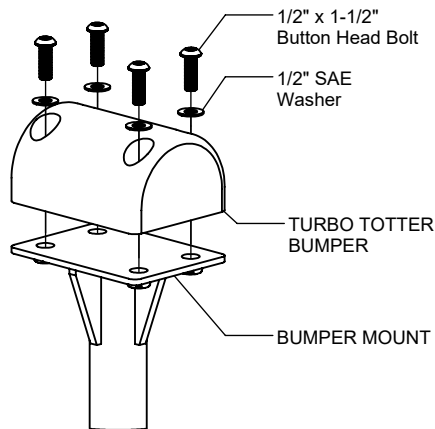
Note: Installation of Bumper Legs (Step 11) should be accomplished after Turbo Totter Frame is installed on the Torsion Spring to validate Bumper location relative to the Turbo Totter Frame.

## Step 8

Attach Torsion Spring to Leg as shown in Figure 1.6.  
(See Note A)



**Figure 1.6**



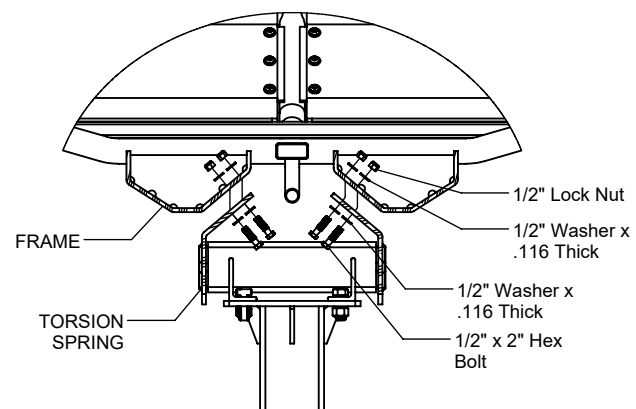
**Figure 1.7**

## Step 9

Attach Bumper to Bumper Mount as shown in Figure 1.7.

## Step 10

Attach Frame to Torsion Spring as shown in Figure 2. (See Note A)



**FIGURE 2**

## Step 11

Place Bumper Legs into footing holes. Use the Turbo Totter Frame as a guide to center and square the Bumper assembly as shown in Figure 3. Plumb and level Bumper Leg. Pour concrete into footing holes. Allow at least 72 hours to cure before use. (See Note B)

Note: Bumper Legs must be set to be level with finish grade. Refer to Elevation View - Footing Detail for depth and details.

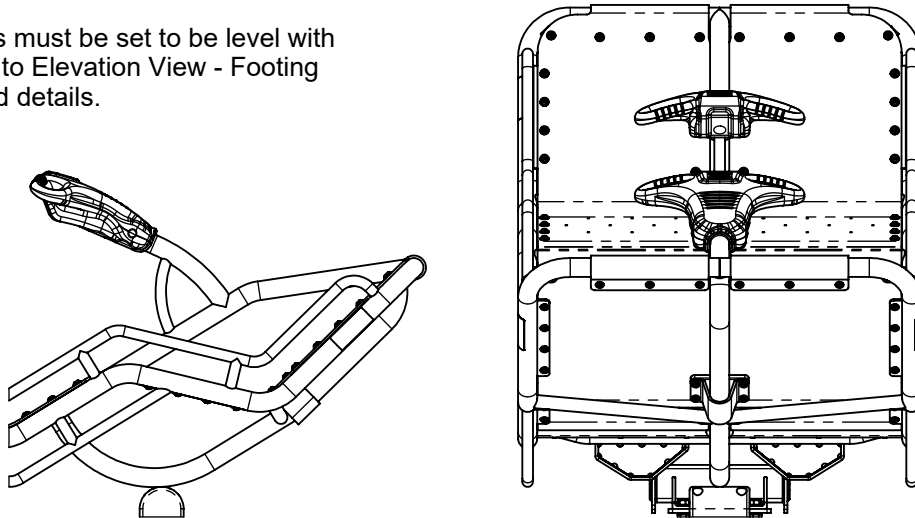


FIGURE 3

## Step 12

Attach Deck to Frame as shown in Figure 1.8. (See Note A)

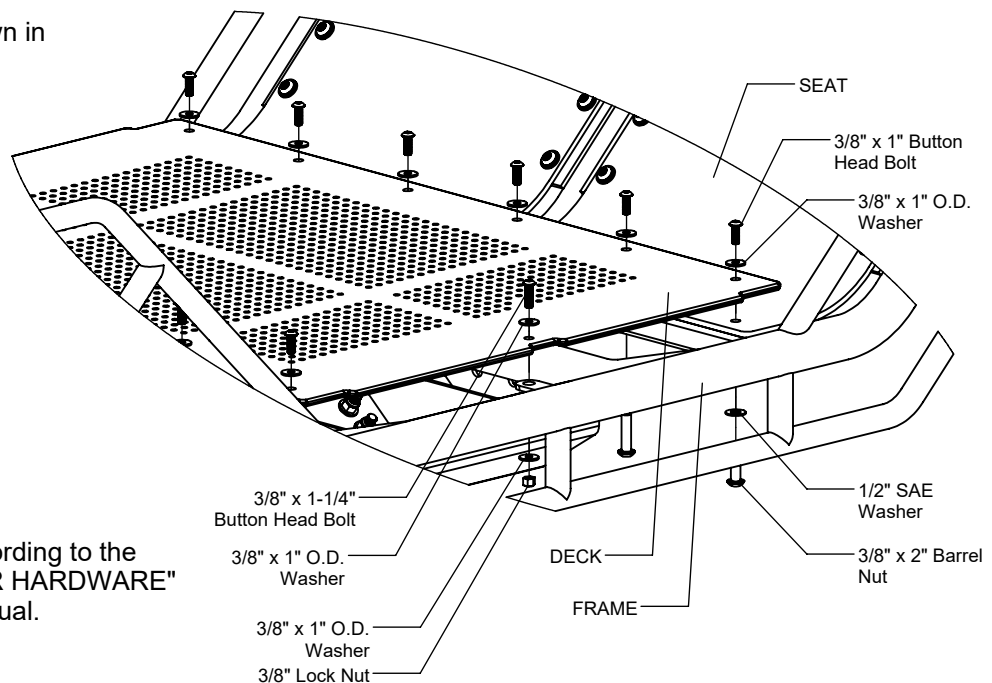


Figure 1.8

## Step 13

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

## Step 14

Place required protective surfacing under and around SpringMax Turbo Totter. (See Note C)

# SPRINGMAX TURBO TOTTER

## INSTALLATION INSTRUCTIONS

**PC-4232**  
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### Parts List

Part #	DESCRIPTION	QTY
CE-1186	Turbo Totter Deck	1
FS-PC4232-BM	Bumper Mount	2
FS-PC4232-LEG	Turbo Totter Leg	1
HE-0143	80 x 400 Torsion Spring	1
HE-0158	Turbo Totter Bumper	2
9103052-TR	Bolt Button Head 3/8" x 1"	12
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	2
9105072	Bolt Button Head 1/2" x 1-1/2"	8
9125092	Bolt Hex 1/2" x 2"	8
912M22602	Bolt Hex M22 x 60mm	4
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	16
9335002	Washer Flat 1/2" (.116" thick)	16
933M22342	Washer Flat M22 x 22mm O.D. x 4.3mm Thick	8
9345002	Washer Flat SAE 1/2"	20
9413002	Nut Lock 3/8"	2
9415132	Nut Lock 1/2"	8
941M22002	Nut Lock M22	4
9443092-TR	Nut Barrel 3/8" x 2" BH	12

### Assembled Parts List

Part #	DESCRIPTION	QTY
DE-0007	Spring Fling Handle	2
EE-0722	Turbo Totter Seat Spacer	4
EE-0723	Turbo Totter Rubber Strip Spacer	2
FS-PC4232-FRM	Turbo Totter Frame	1
HE-0144	Turbo Totter Seat	2
HE-0157	Turbo Totter Rubber Strip	2
372029	Turbo Totter Warning Label	4
9103032-TR	Bolt Button Head 3/8" x 3/4"	72
9103052-TR	Bolt Button Head 3/8" x 1"	20
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	92
9335002	Washer Flat 1/2" (.116" thick)	60
9345002	Washer Flat SAE 1/2"	20
9443022-TR	Nut Barrel 3/8" x 5/8" BH	60
9443052-TR	Nut Barrel 3/8" x 1-1/8" BH	20



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**Rev D**  
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# SPRINGMAX TURBO TOTTER

## INSTALLATION INSTRUCTIONS

**PC-4232**  
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### Specifications

#### **TURBO TOTTER DECK:**

Shall be fabricated using punched and welded 12ga sheet steel and will be Play-Tuff™ coated after fabrication.

#### **TURBO TOTTER FRAME:**

Shall be fabricated using 2.375" O.D. 10ga, 1.900" O.D. 11ga, 1.660" O.D. 12ga and 1.315" O.D. 12ga steel tubing with 3/8" and 1/4" sheet steel gussets, plates and tabs with 3/16" pipe plugs and will have a multi-stage baked-on powder coat finish.

#### **TURBO TOTTER LEG:**

Shall be fabricated using 6"x6"x.25" square tube steel with a 1/2", 3/8" and 1/4" sheet steel gussets, and plate and will have a multi-stage baked-on powder coat finish.

#### **BUMPER MOUNT:**

Shall be fabricated using 2.375" O.D. 10ga steel tubing with 3/8" sheet steel plate and 1/4" sheet steel gussets, with 1/2" sq weld nuts and will have a multi-stage baked-on powder coat finish.

#### **TURBO TOTTER SEAT SPACER & TURBO TOTTER RUBBER STRIP SPACER:**

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

#### **SPRING FLING HANDLE:**

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

#### **TURBO TOTTER SEAT & TURBO TOTTER RUBBER STRIP:**

Shall be constructed of UV-stabilized flexible rubber compound.

#### **TURBO TOTTER BUMPER:**

Shall be molded black rubber, durometer 68A.

#### **TORSION SPRING:**

Will be an assembly consisting of a machined shaft surrounded by rubber extrusions enclosed in a metal housing.

#### **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.



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