

## **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.

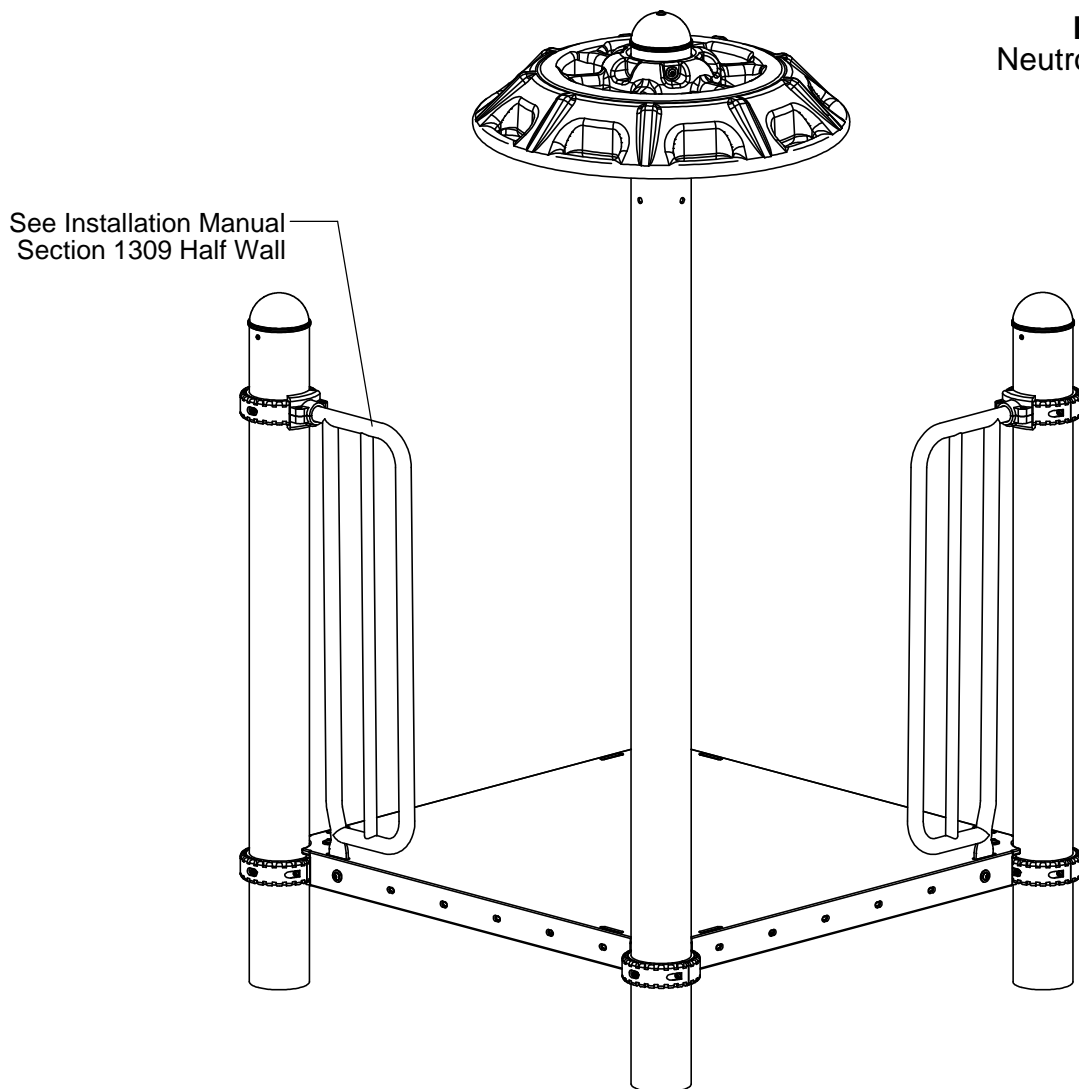
(B) Do not pour concrete until the Neutron Spinner Mini Post is completely leveled and plumbed. Concrete must be allowed to cure completely before proceeding with assembly (at least 72 hours).

(C) The maximum height of the handles (at grasping point) for ages 5-12 is 84" [2130mm] above protective surfacing.

(D) Refer to Installation Manual for R5 Deck and R5-1309 Half Wall installation instructions.

(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.

**FIGURE 1**  
**Neutron Spinner Mini**



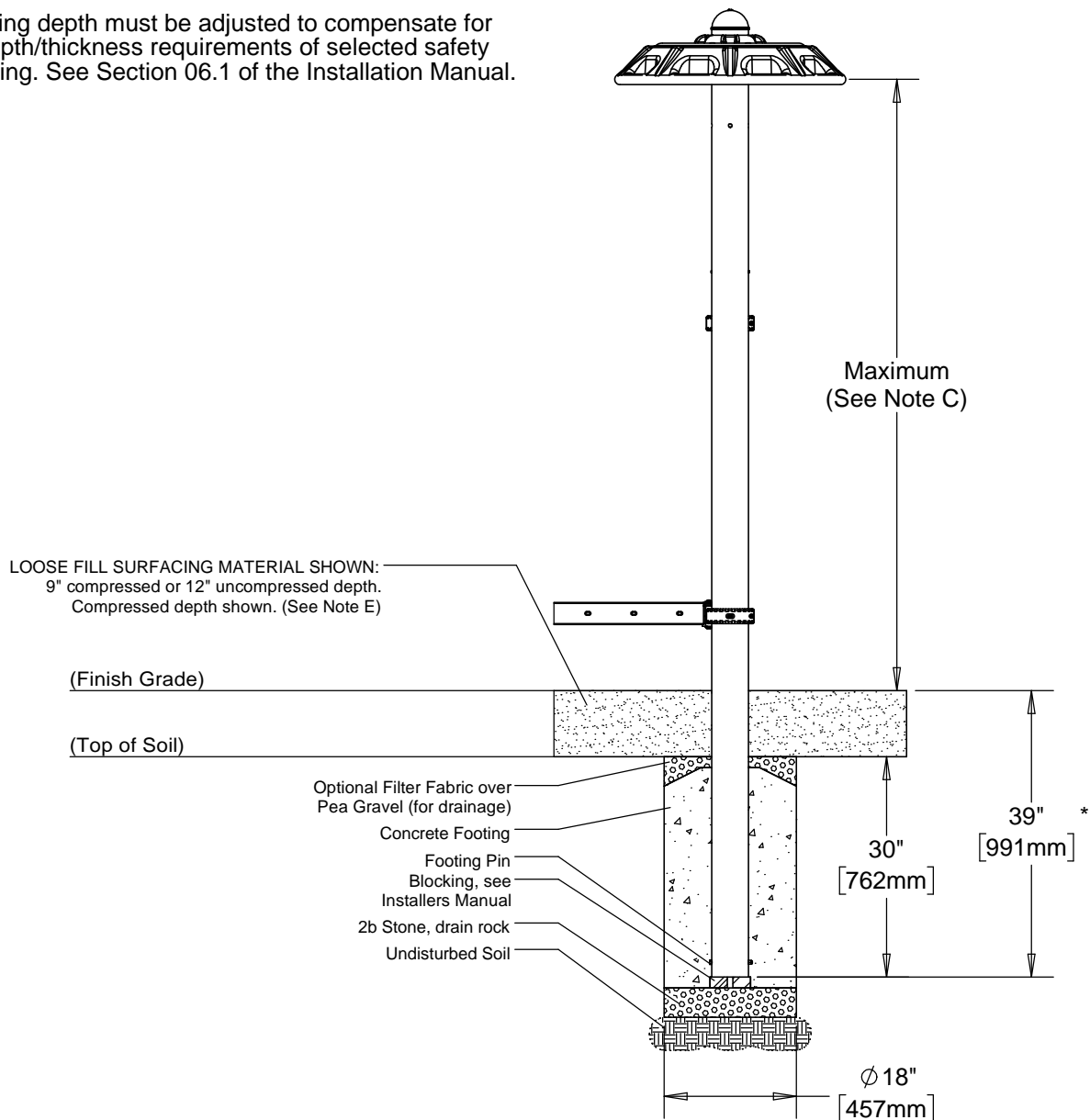
### Step 1

Refer to Footing Layout and mark footing hole location.  
Dig (1) Ø 18" footing hole. Refer to Footing Detail for depth and details.

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

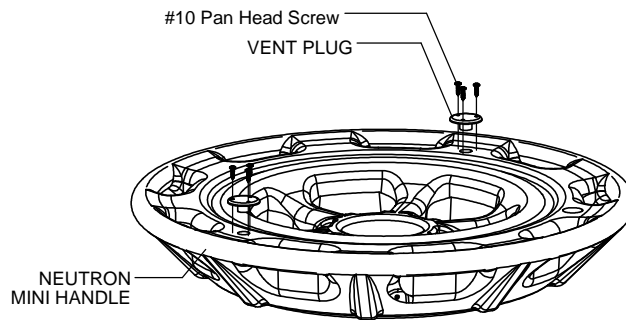
\* Footing depth must be adjusted to compensate for the depth/thickness requirements of selected safety surfacing. See Section 06.1 of the Installation Manual.

### Elevation View



## Step 2 (Factory Assembled)

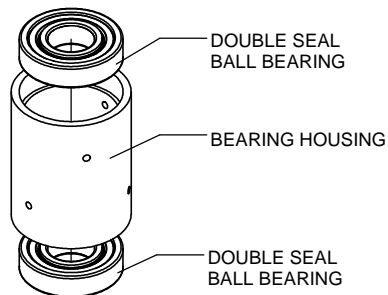
Attach Vent Plugs to Neutron Mini Handle as shown in Figure 2.



**FIGURE 2**

## Step 3 (Factory Assembled)

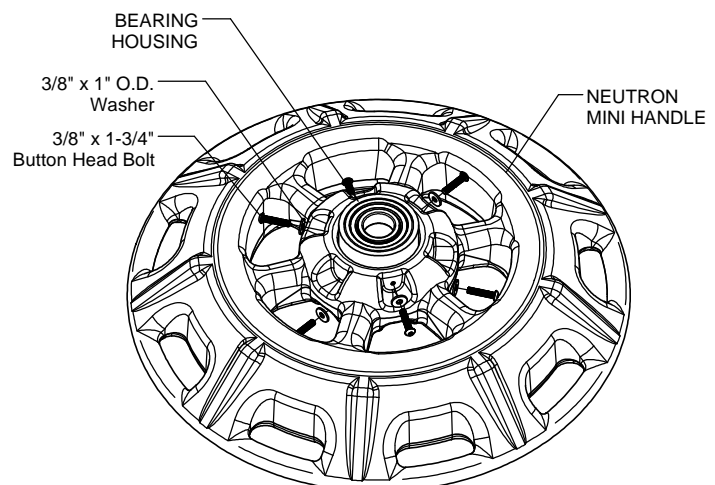
Press Double Seal Ball Bearings into Bearing Housing as shown in Figure 3.



**FIGURE 3**

## Step 4 (Factory Assembled)

Attach Neutron Mini Handle to Bearing Housing as shown in Figure 4. (See Note A)



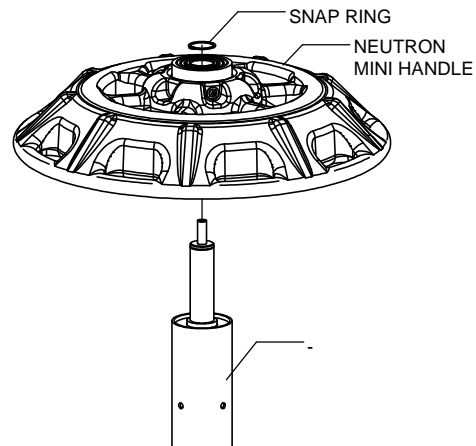
**FIGURE 4**

## Step 5

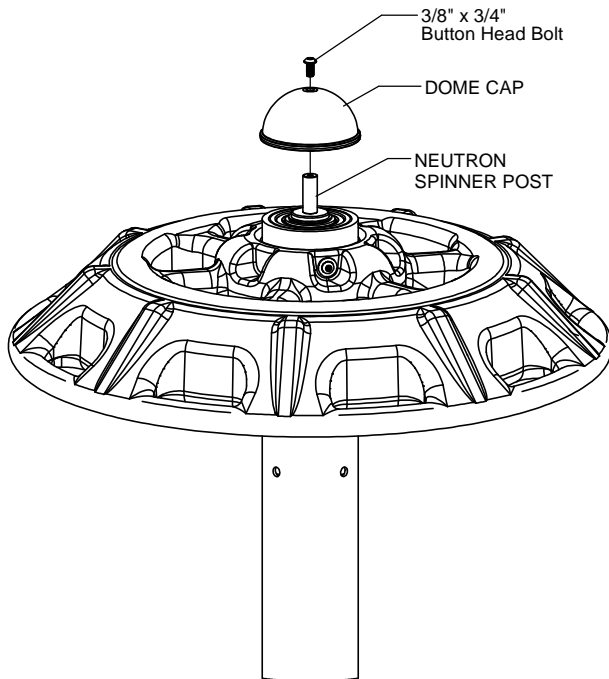
Place Neutron Spinner Post into footing hole. Attach Deck and Half Wall assemblies. (See Notes B & D)

## Step 6

Attach Neutron Mini Handle to Neutron Spinner Post as shown in Figure 5.



**FIGURE 5**



**FIGURE 6**

## Step 7

Attach Dome Cap to Neutron Spinner Post as shown in Figure 6. (See Note A)

## Step 8

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

## Step 9

Plumb and level entire component. Pour concrete into footing hole. Allow at least 72 hours to cure before using this equipment. (See Notes B & C)

## Step 10

Place required protective surfacing under and around Neutron Spinner Mini. (See Note E)

# NEUTRON SPINNER MINI R5 INSTALLATION INSTRUCTIONS

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## Parts List

Part #	DESCRIPTION	QTY.
FS-PC2485-H-POST	Horizontal Neutron Spinner Support Post Weldment	1
GF-4826	Neutron Spinner Cap Modified R5 Dome	1
480320	External Snap Ring	1
9103032-TR	Bolt Button Head 3/8" x 3/4"	1
9123231	Bolt Hex 3/8" x 5-1/2"	1
9483602	Nut Hex 3/8"	1

## Assembled Parts List

Part #	DESCRIPTION	QTY.
DF-0010	Neutron Mini Handle	1
EE-4867	Geo-Wave Vent Plug	2
IE-0078	Neutron Mini Bearing Housing	1
481631	Double Seal Ball Bearing	2
9103082-TR	Bolt Button Head 3/8" x 1-3/4"	6
9251032	Screw SQ #10x3/4 DR PH SMS SS	6
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	6

## Specifications

### NEUTRON MINI BEARING HOUSING:

Shall be fabricated from a machined  $\phi 5$ " O.D. x 1/2" wall tube steel. The Neutron Mini Bearing Housing shall have a multi-stage baked-on powder coat finish.

### NEUTRON SPINNER MINI HANDLE:

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

### NEUTRON SPINNER SUPPORT POST:

Shall be fabricated from 5" O.D. 7 gauge galvanized tube steel with welded 3/16" thick steel plates and machined steel spindle. The Neutron Spinner Support Post shall 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.



Manufactured by Krauss Craft, Inc.  
www.playcraftsystems.com

For Customer Service Call  
800.333.8519 (U.S.A.) or  
541.955.9199 (International)

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