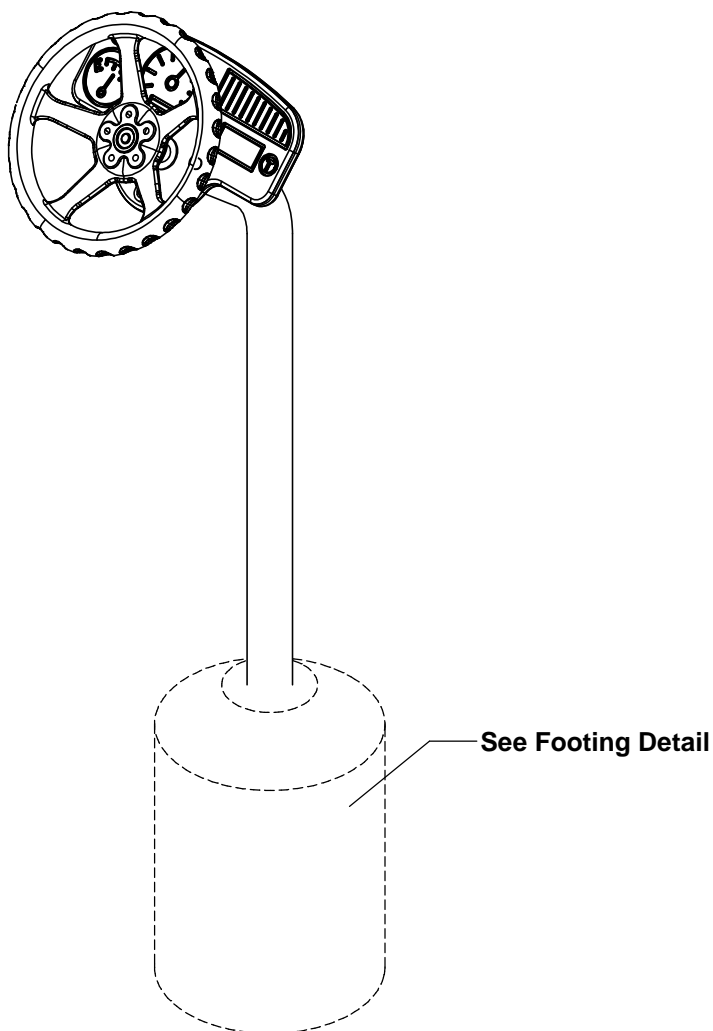## IMPORTANT NOTES: Read First

(A) Use liquid thread lock (such as Loctite®) with all threaded hardware. **<u>Important:</u>** 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 for the surfacing appropriate for the fall height of the equipment or consult your surfacing supply representative.
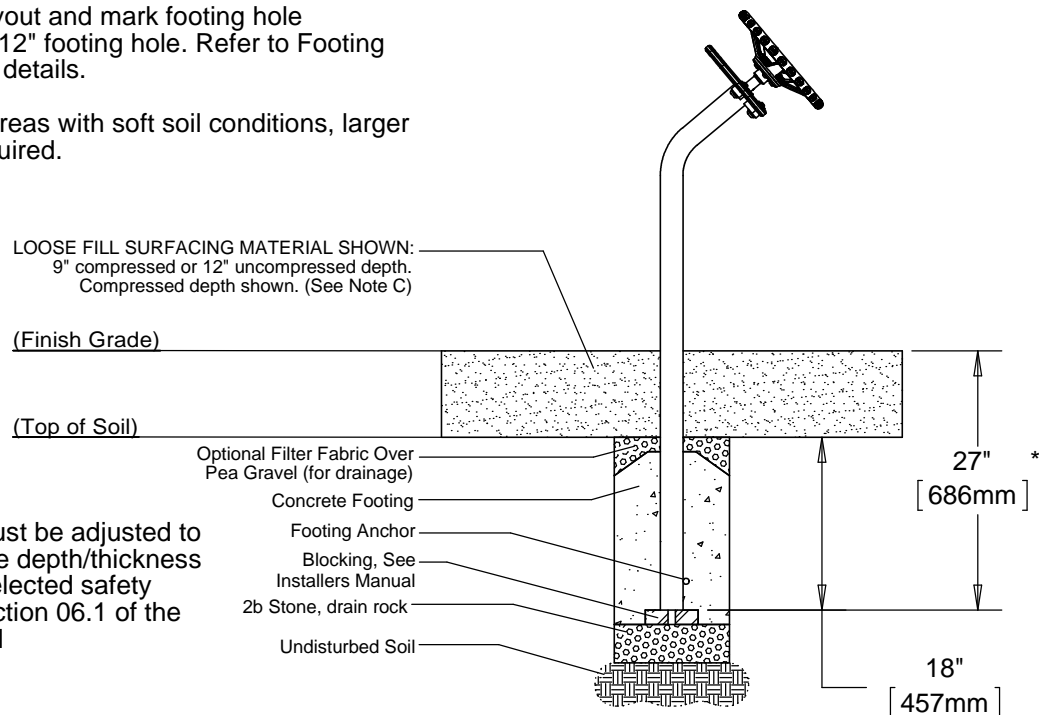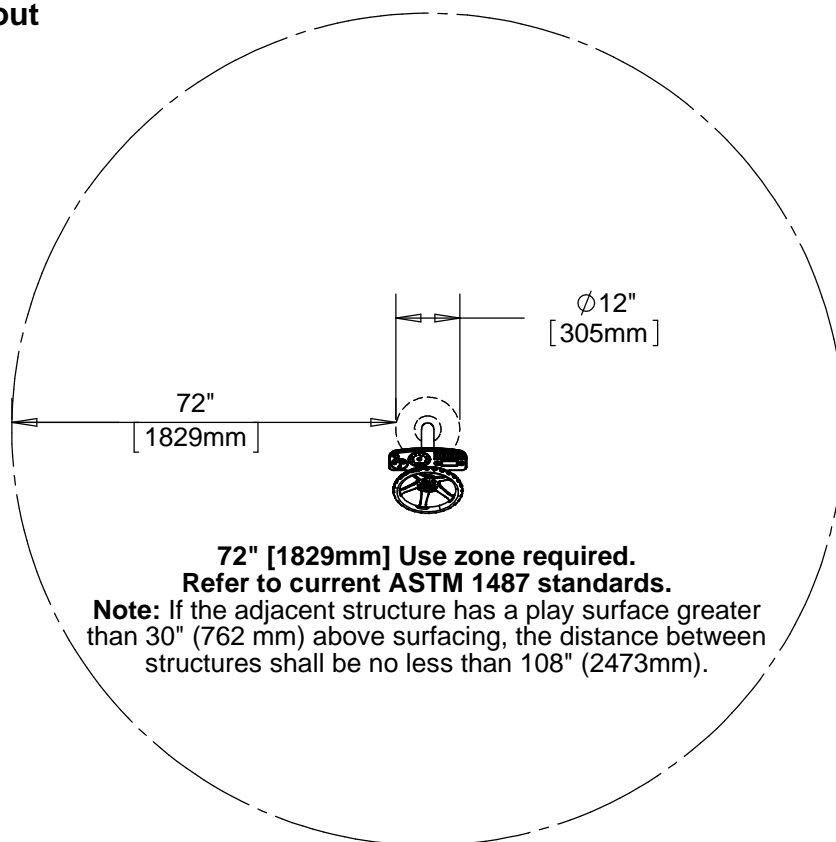
FIGURE 1
Dash Driver

See Footing Detail

Step 1

Footing Detail

Refer to Footing Layout and mark footing hole locations. Dig (1) Ø 12" footing hole. Refer to Footing Detail for depth and details.

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

LOOSE FILL SURFACING MATERIAL SHOWN:
9" compressed or 12" uncompressed depth.
Compressed depth shown. (See Note C)

(Finish Grade)

(Top of Soil)

Optional Filter Fabric Over Pea Gravel (for drainage)

Concrete Footing

Footing Anchor

Blocking, See Installers Manual

2b Stone, drain rock

Undisturbed Soil

27" *
[686mm]

18"
[457mm]

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

Top View - Footing Layout

Ø12"
[305mm]

72"
[1829mm]

72" [1829mm] Use zone required.
Refer to current ASTM 1487 standards.
Note: If the adjacent structure has a play surface greater than 30" (762 mm) above surfacing, the distance between structures shall be no less than 108" (2473mm).

Step 2 (Factory Assembled)

Press Bearings into Wheel Hub as shown in Figure 2.

5/8" x 7/8" x 5/8" L
Flanged Bearing

WHEEL HUB

5/8" x 7/8" x 5/8" L
Flanged Bearing

FIGURE 2

DRIVER WHEEL
CASTING

1/2" Thin
Lock Nut

1/2" x 1-1/4"
O.D. Washer

WHEEL HUB

DRIVER WHEEL
CASTING SPINDLE

3/8" x 7/8"
O.D. Washer

3/8" x 1" Button
Head Bolt

DRIVER DASH

1/4" x1/4" Socket
Set Screw

11/16" x 1-3/4"
O.D. Washer

1/2" x 1-3/8"
O.D. Washer

1/2" x 1-3/4"
Button Head Bolt

FIGURE 3

Step 3

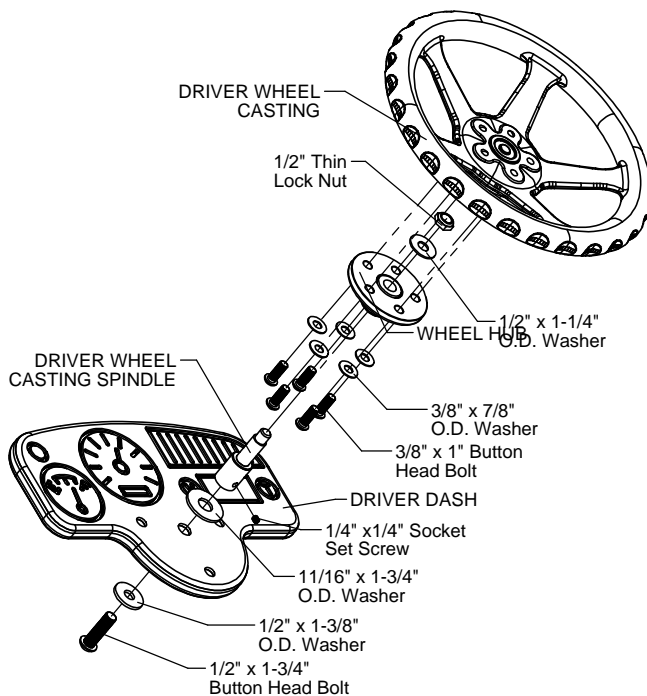Attach the Driver Wheel Casting to the Driver Dash as shown in Figure 3. (See Note A)

Step 4

Attach Driver Dash to Driver Wheel Post as shown in Figure 4 and place into footing hole. (See Notes A & B)

Step 5

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

Step 6

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

Step 7

Place required protective surfacing under and around Dash Driver. (See Note C)
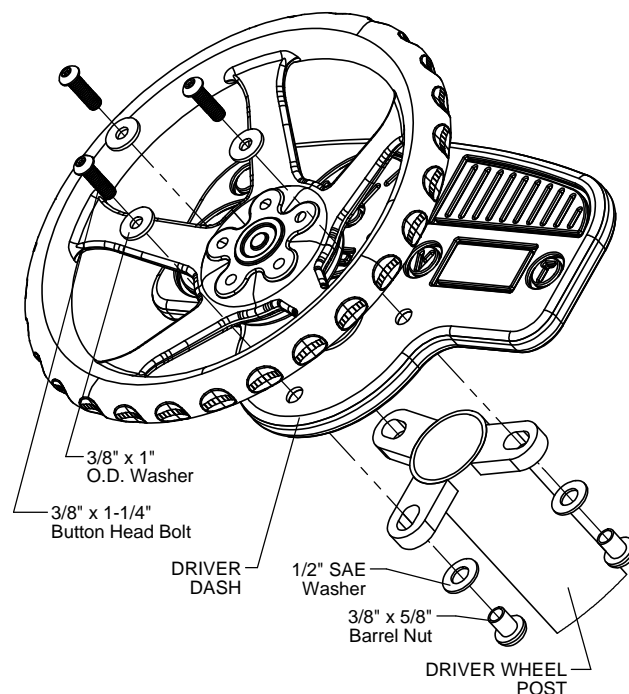
3/8" x 1"
O.D. Washer

3/8" x 1-1/4"
Button Head Bolt

DRIVER
DASH

1/2" SAE
Washer

3/8" x 5/8"
Barrel Nut

DRIVER WHEEL
POST

FIGURE 4

Parts List

Part #	DESCRIPTION	QTY.
EE-4207	Driver Dash	1
FS-PC2210-A	Driver Wheel Post	1
GE-4728	Driver Wheel Casting	1
IE-4761	Driver Wheel Casting Spindle	1
451172	Hex Key Wrench 1/8" SA	1
9103052-TR	Bolt Button Head 3/8" x 1"	5
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	3
9105082	Bolt Button Head 1/2" x 1-3/4"	1
9261002	1/4" x1/4" Socket Set Screw	1
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	3
9333042	Washer Flat 3/8" x 7/8" O.D.	5
9335062	Washer Flat 1/2" x 1-1/4" OD	1
9335062-5	Washer Flat 1/2" x 1-3/8" OD	1
9337072-5	Washer Flat 11/16" x 1-3/4" OD	1
9345002	Washer Flat SAE 1/2"	3
9425002	Nut Lock 1/2" Thin	1
9443022-TR	Nut Barrel 3/8" x 5/8" BH	3

Assembled Parts List

Part #	DESCRIPTION	QTY.
IE-4662	Wheel Hub	1
481058-58	5/8" x 7/8" x 5/8" L Flanged Bearing	2

Specifications

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

DASH DRIVER POST:
Shall be fabricated using 2.375" O.D. 11 gauge steel tubing with welded 1/2" thick steel tabs and Ø 5/8" footing anchor. The Dash Driver Post shall have a multi-stage baked-on powder coat finish.

DRIVER WHEEL CASTING:
Shall be precision die-cast from a high strength aluminum alloy. The Driver Wheel Casting shall have a multi-stage baked-on powder coat finish coat finish.

WHEEL HUB:
Shall be machined from Ø 3-3/4" high strength aluminum alloy. The Wheel Hub shall have a multi-staged baked-on powder coat finish.

SPINDLE:
Shall be machined from Ø 1" stainless steel.

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.