

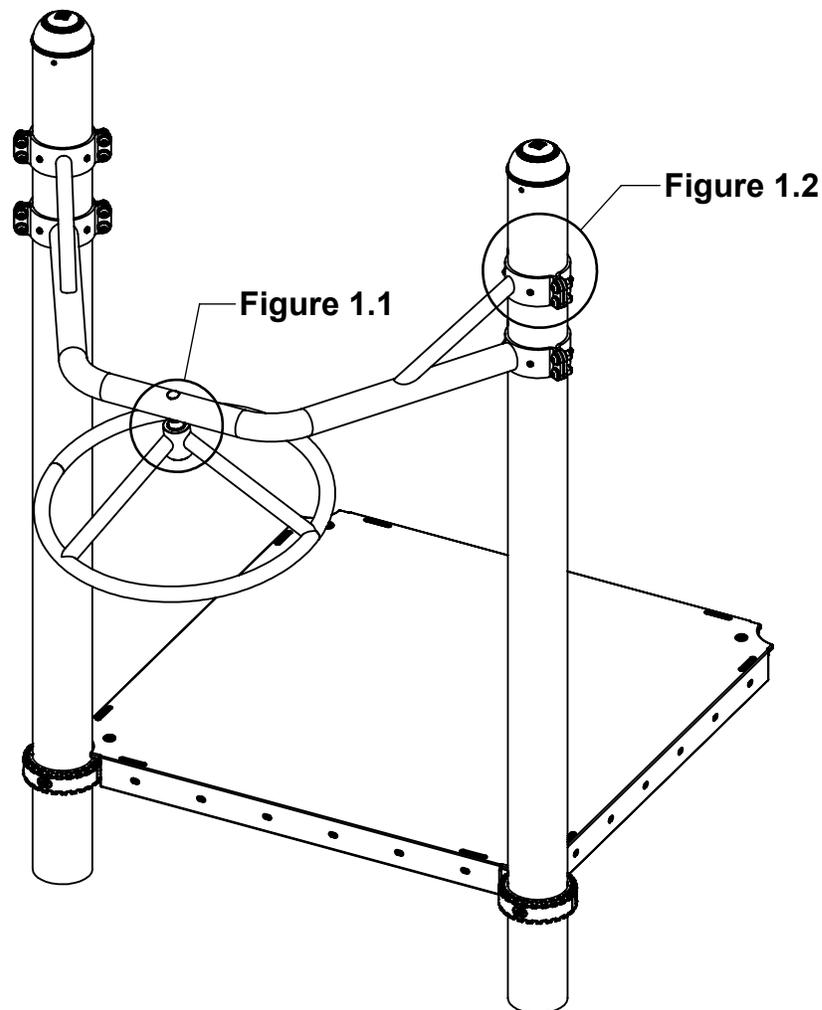
IMPORTANT NOTES: Read First

(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) The maximum height of rungs (at grasping point) from the top of the protective surfacing varies by age group: Ages 2-5: 60" [1524mm] above protective surfacing. Ages 5-12: 84" [2130mm] above protective surfacing.

(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
Orbit Wheel**



NOTE: Orbit Wheel R5 shown. Other configurations will vary slightly, but does not affect assembly.

Step 1

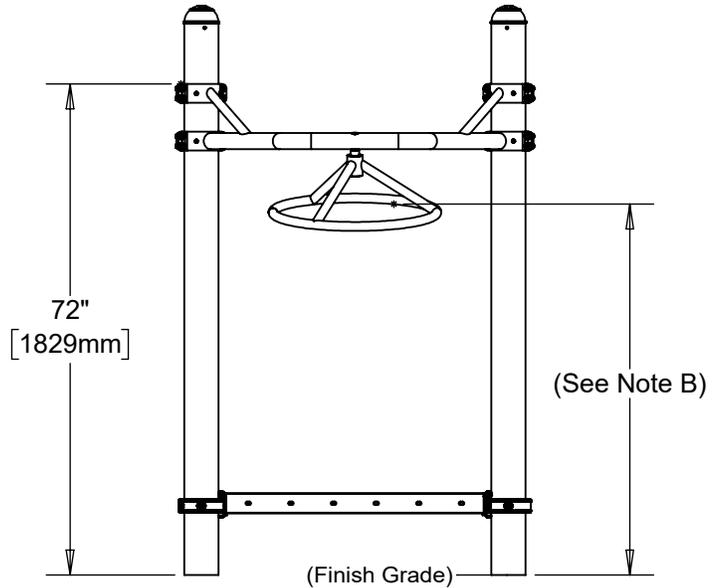
For Revolution Version

Refer to Elevation View, locate mounting holes and remove required Hole Plugs for assembly. Height shown from finish grade to mounting hole.

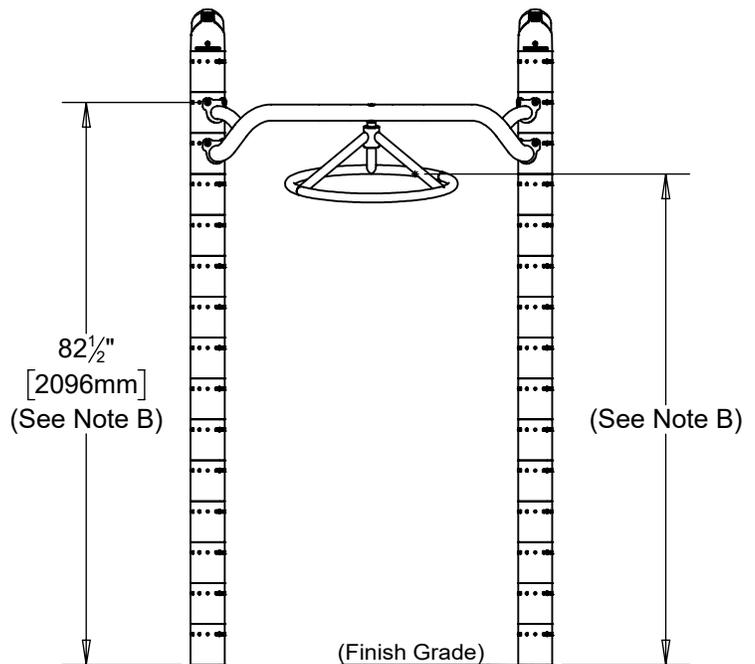
For R35 & R5 Version

Refer to Elevation View and mark Split Collar heights. Height shown from finish grade to top of Split Collar.

Elevation View - R35 & R5



Elevation View - Revolution



Step 2 (Factory Assembled)

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

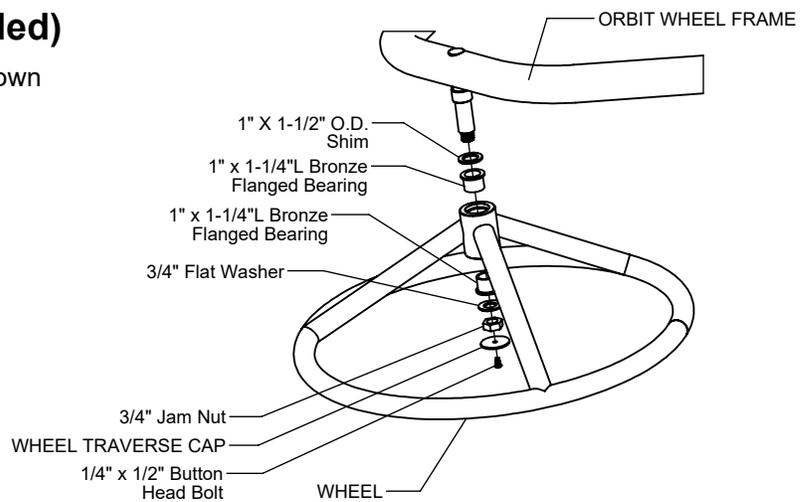


Figure 1.1

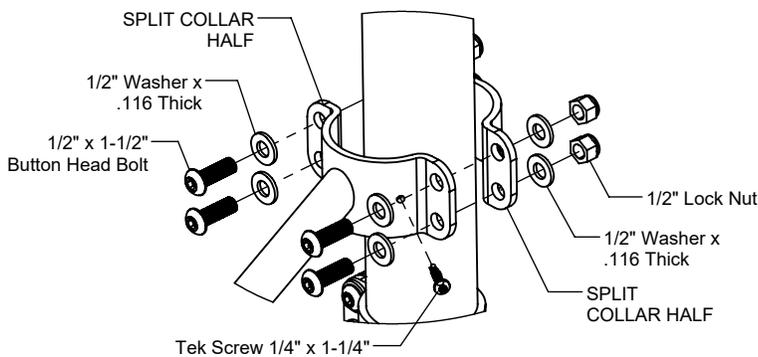


Figure 1.2

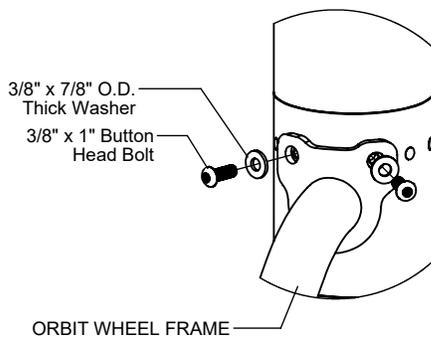


FIGURE 2

Step 3

For R35 and R5 Version

Refer to Elevation View and attach Orbit Wheel to R35 or R5 posts as shown in Figure 1.2. (See Notes A & B)

For Revolution Version

Refer to Elevation View and attach Orbit Wheel to Revolution posts as shown in Figure 2. (See Notes A & B)

Step 4

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

Step 5

Place required protective surfacing under and around Orbit Wheel. (See Note C)

ORBIT WHEEL INSTALLATION INSTRUCTIONS

1945
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Parts Lists

ORBIT WHEEL R5		
Part #	DESCRIPTION	QTY
BF-7068	Split Collar Half R5	4
9105072	Bolt Button Head 1/2" x 1-1/2"	16
9271062-TR	1/4" x 1-1/4" Tek Screw	16
9335002	Washer Flat 1/2" (.116" thick)	32
9415132	Nut Lock 1/2"	16

ORBIT WHEEL R35		
Part #	DESCRIPTION	QTY
BG-8133	Split Collar Half R3.5	4
9105072	Bolt Button Head 1/2" x 1-1/2"	16
9271062-TR	1/4" x 1-1/4" Tek Screw	16
9335002	Washer Flat 1/2" (.116" thick)	32
9415132	Nut Lock 1/2"	16

ORBIT WHEEL RV		
Part #	DESCRIPTION	QTY.
9103052-TR	Bolt Button Head 3/8" x 1"	8
9339042	Washer Flat 3/8" x 7/8" O.D. x .100" Thick	8

Assembled Parts List

ORBIT WHEEL R5		
Part #	DESCRIPTION	QTY
AE-4248	Wheel Traverse Cap	1
FS-1421-A	Traverse Wheel	1
FS-1945-R5	Orbit Wheel R5	1
480314	Shim 1" X 1-1/2" O.D.	1
561000	Bronze Flanged Bearing 1" x 1-1/4"L	2
9101012-TR	Bolt Button Head 1/4" x 1/2"	1
9338002	Washer Flat 3/4"	1
9428001	Nut Jam Thin 3/4" Zinc	1

ORBIT WHEEL R35		
Part #	DESCRIPTION	QTY
AE-4248	Wheel Traverse Cap	1
FS-1421-R35W	Traverse Wheel R3.5	1
FS-1945-R35	Orbit Wheel R3.5	1
480314	Shim 1" X 1-1/2" O.D.	1
561000	Bronze Flanged Bearing 1" x 1-1/4"L	2
9101012-TR	Bolt Button Head 1/4" x 1/2"	1
9338002	Washer Flat 3/4"	1
9428001	Nut Jam Thin 3/4" Zinc	1

Assembled Parts List

ORBIT WHEEL RV		
Part #	DESCRIPTION	QTY
AE-4248	Wheel Traverse Cap	1
FS-1421-A	Traverse Wheel	1
FS-1945-RV	Orbit Wheel Frame RV	1
480314	Shim 1" X 1-1/2" O.D.	1
561000	Bronze Flanged Bearing 1" x 1-1/4"L	2
9101012-TR	Bolt Button Head 1/4" x 1/2"	1
9338002	Washer Flat 3/4"	1
9428001	Nut Jam Thin 3/4" Zinc	1

Specifications

ORBIT WHEEL FRAME RV:

Shall be fabricated using 2.375" O.D. 10 gauge steel tubing with welded 1.900" O.D. 11 gauge supports, 1/4" stainless steel mounting brackets and machined stainless steel spindle and will have a multi-stage baked-on powder coat finish.

ORBIT WHEEL FRAME R35 AND R5:

Shall be fabricated using 2.375" O.D. 10 gauge steel tubing with welded 1.315" O.D. 11 gauge supports, 1/4" steel split collars and machined stainless steel spindle and will have a multi-stage baked-on powder coat finish.

TRAVERSE WHEEL:

Shall be fabricated using 1.315" O.D. 12 gauge steel tubing with welded machined stainless steel hub and will have a multi-stage baked-on powder coat finish.

WHEEL TRAVERSE CAP:

Shall be fabricated using precision cut 10 gauge stainless steel.

SPLIT COLLAR HALF:

Shall be fabricated using 1/4" HR steel 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.



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Rev E
2/4/2020