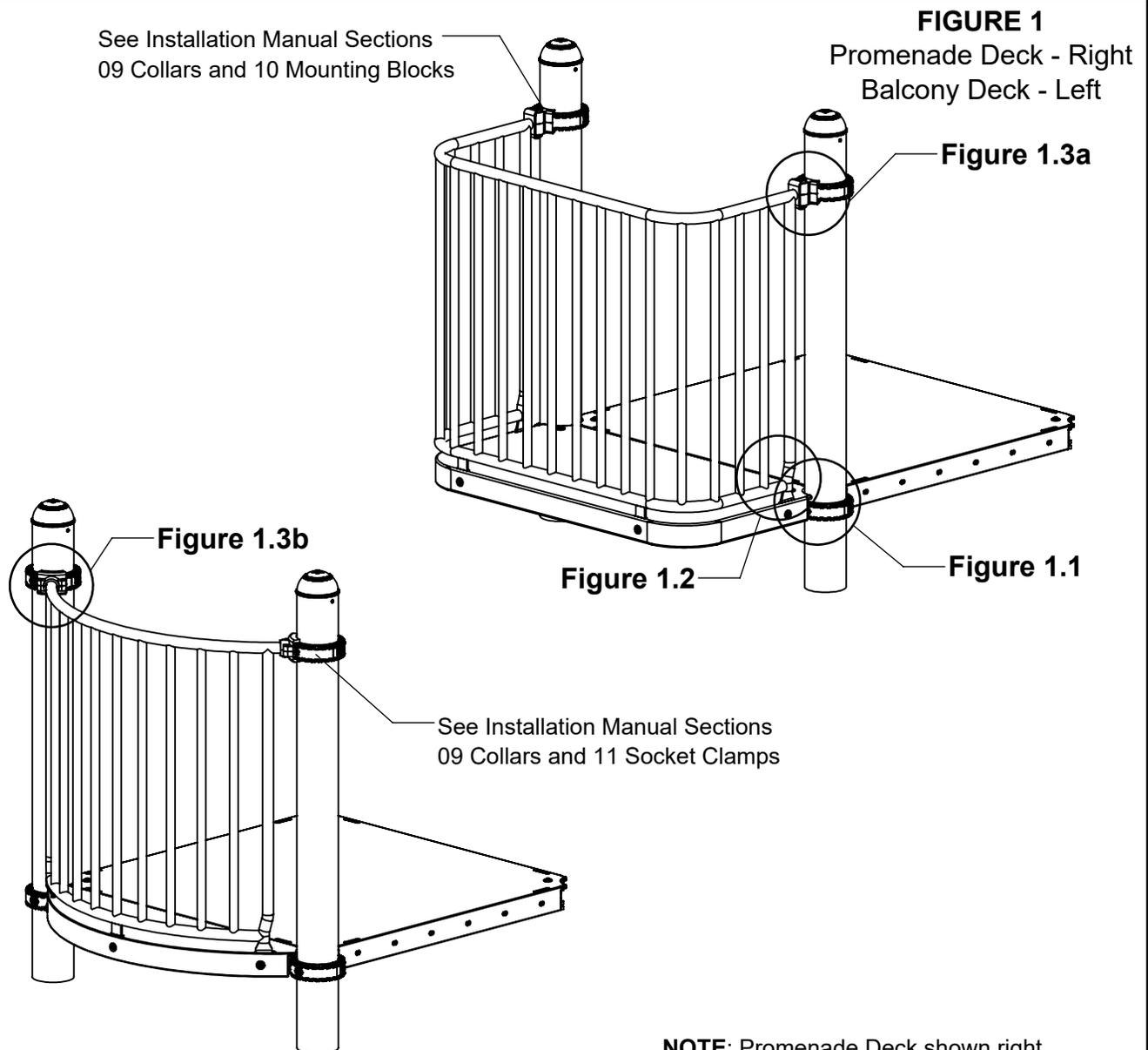


IMPORTANT NOTES: Read First

(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) Refer to Installation Manual for 09 Collars, 10 Mounting Block, and 11 Socket Clamps instructions.

(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.



NOTE: Promenade Deck shown right.
Balcony Deck shown left. Other configurations
will vary slightly, but does not affect assembly.

Step 1

Locate and attach collars at heights shown in Elevation View. (See Note A and B)

* Height shown from top of deck to top of collar.

Collar Heights *		
Version	X(in.)	X(mm)
1109-R35/R5	39"	991
1109-R5 Tall	42"	1067
1109-R5 Japan	45"	1143
1109-R5 Barrier	33.75"	857

Elevation View

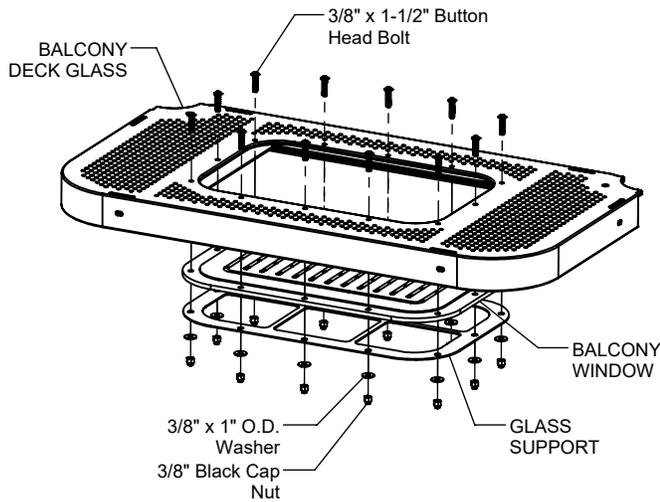
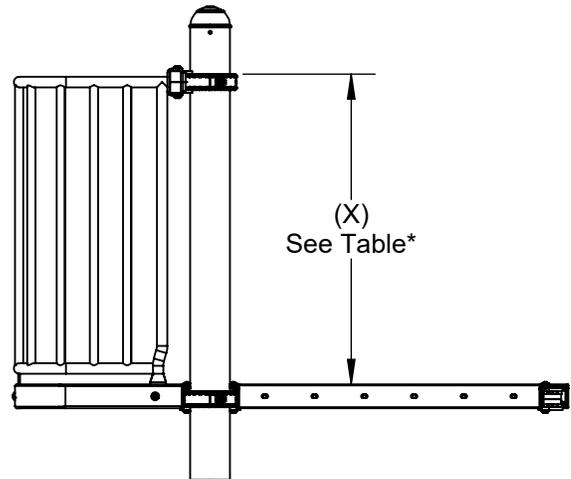


Figure 2

Step 2 (Factory Assembled)

Observation Deck Only

Attach Balcony Window and Support to Balcony Deck Glass as shown in Figure 2. (See Note A)

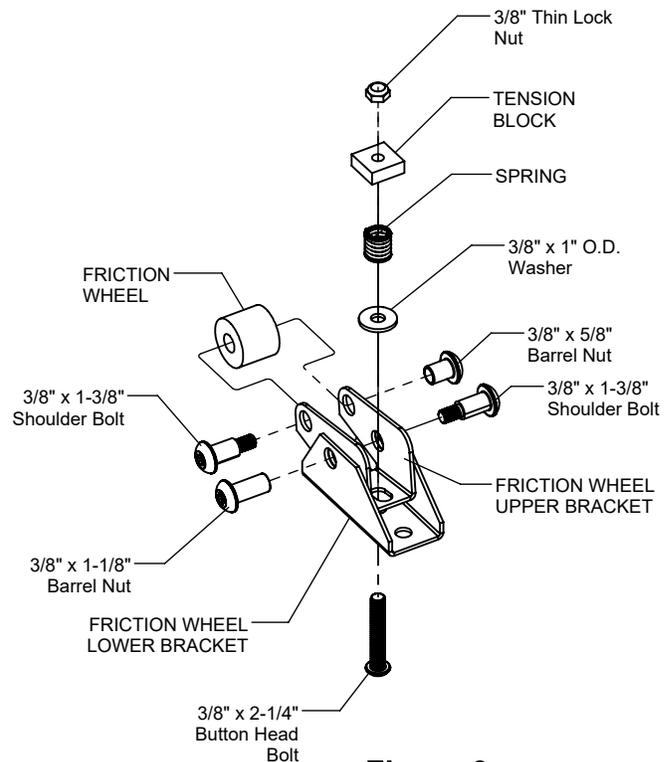


Figure 3

Step 3 (Factory Assembled)

Spinner Deck Only

Assemble Friction Wheel Assembly as shown in Figure 3. (See Note A)

Step 4 (Factory Assembled)

Spinner Deck Only

Attach Friction Wheel Assemblies to Spinner Plate as shown in Figure 4. (See Note A)

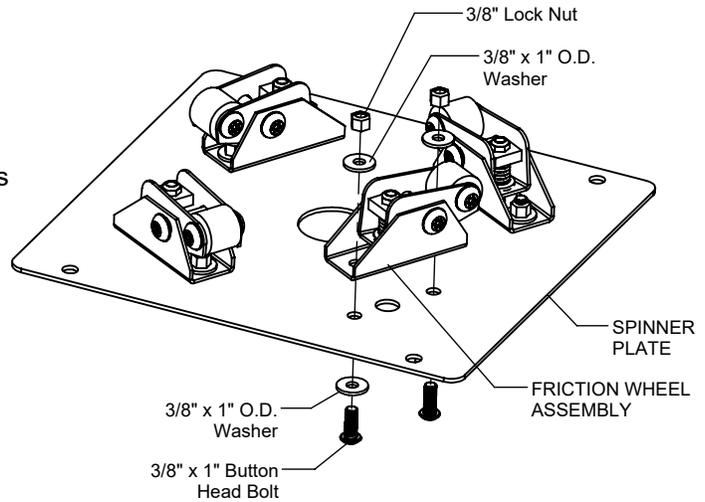


Figure 4

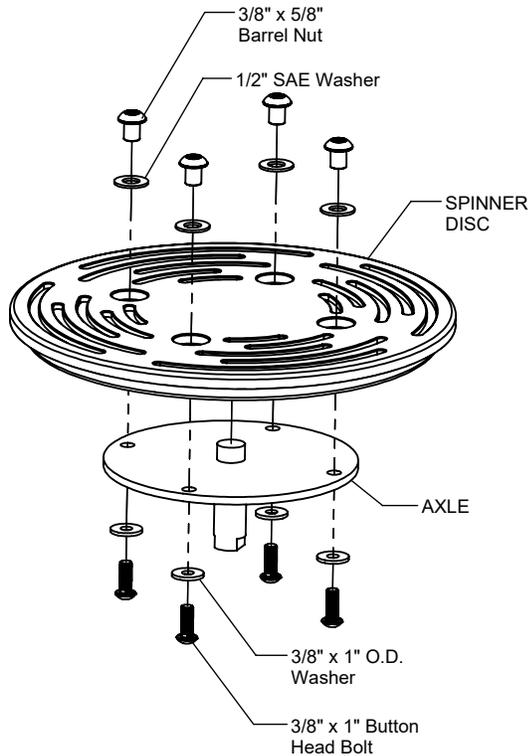


Figure 5

Step 5 (Factory Assembled)

Spinner Deck Only

Attach Axle to Spinner Disc as shown in Figure 5. (See Note A)

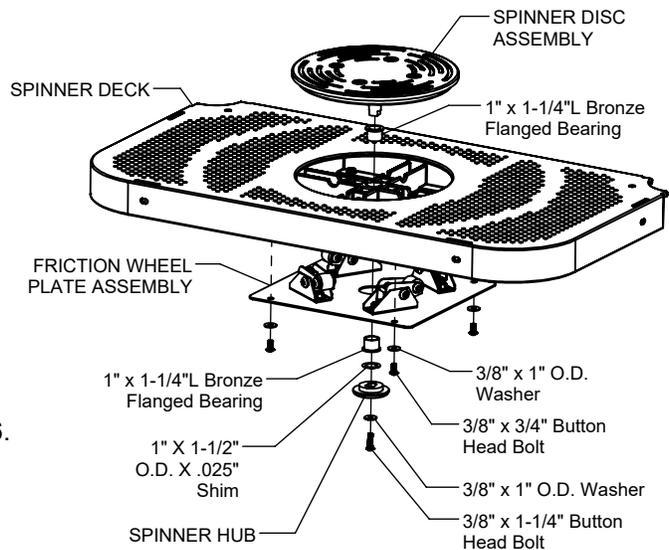


Figure 6

Step 6 (Factory Assembled)

Spinner Deck Only

Attach Friction Wheel Plate Assembly and Spinner Disc Assembly to Spinner Deck as shown in Figure 6. (See Note A)

Step 7

For Promenade Deck Only

Attach Promenade Deck to Post as shown in Figure 1.1.
(See Note A)

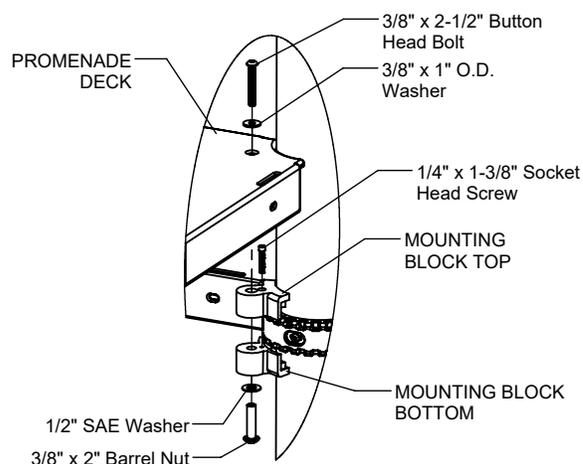


Figure 1.1

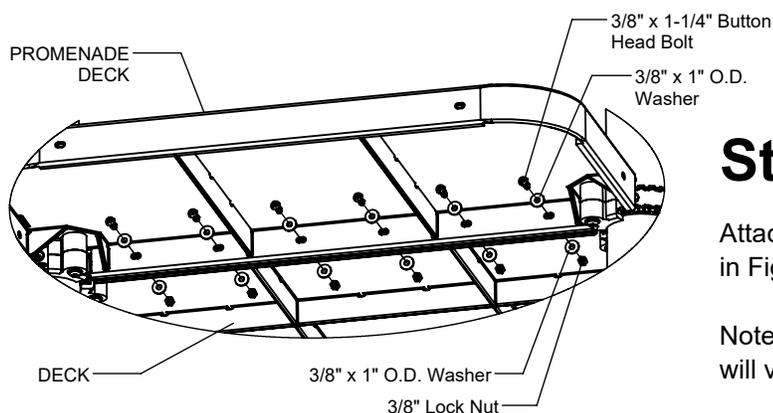


Figure 7

Step 8

Attach Promenade/Balcony Deck to Deck as shown in Figure 7. (See Note A)

Note: Promenade Deck shown. Other configurations will vary slightly, but does not affect assembly.

Step 9

Place Promenade/Balcony Wall tabs into Deck slots and loosely attach hardware as shown in Figure 1.2.
(See Note A)

Note: Promenade Wall shown. Other configurations will vary slightly, but does not affect assembly.

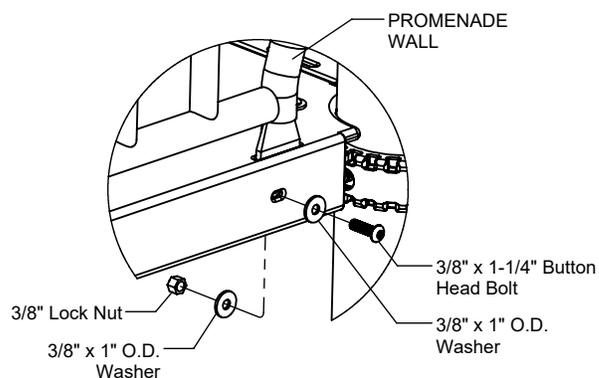


Figure 1.2

Step 10a

For Promenade Wall Only

Attach Promenade Wall to Post as shown in Figure 1.3a.
(See Note A)

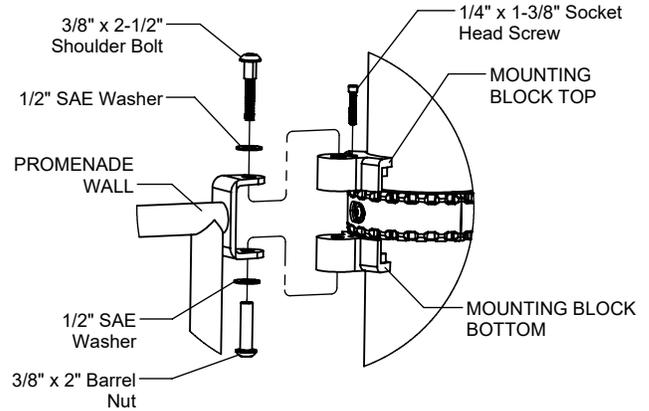


Figure 1.3a

Step 10b

For Balcony Wall Only

Attach Balcony Wall to Post as shown in Figure 1.3b.
(See Note A)

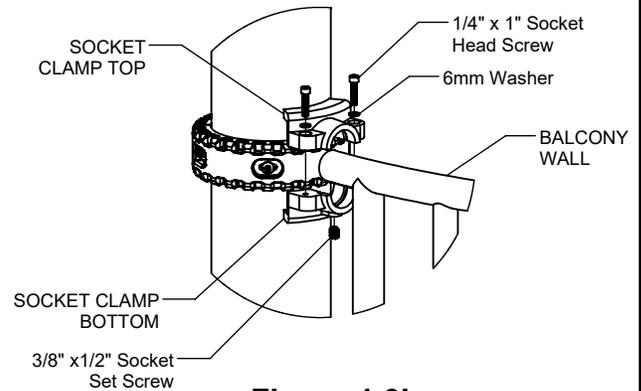


Figure 1.3b

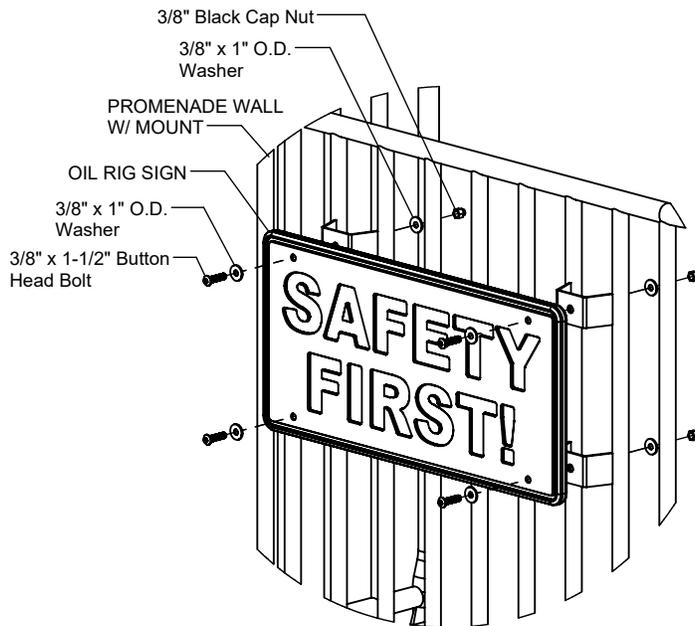


Figure 8

Step 11

Sign Mount Wall Only

Attach Sign to Promenade Wall w/ Mount as shown in Figure 8. (See Note A)

Step 12

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

Step 13

Place required protective surfacing under and around Promenade/Balcony Deck. (See Note D)

R5 Part Lists

R5 PROMENADE DECK		
Part #	DESCRIPTION	QTY
Varies	Promenade Deck R5	1
Varies	Balcony Deck Wall #2	1
GF-7006-B	Mounting Block R5 Bottom	4
GF-7006-T	Mounting Block R5 Top	4
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	10
9103112-TR	Bolt Button Head 3/8" x 2-1/2"	2
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	2
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	4
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	22
9345002	Washer Flat SAE 1/2"	6
9413002	Nut Lock 3/8"	10
9443092-TR	Nut Barrel 3/8" x 2" BH	4

R5 BALCONY DECK		
Part #	DESCRIPTION	QTY
CF-7021	Balcony Deck R5	1
Varies	Balcony Deck Wall R5	1
HS-1001-R5	Socket Clamp Set R5	2
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	9
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	18
9413002	Nut Lock 3/8"	9

R5 MOUNTED SIGN		
Part #	DESCRIPTION	QTY
EE-0217	Oil Rig Safety Sign	1
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	4
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	8
9413162-BLK	Nut Lock 3/8" w/ Black Cap	4

R5 Assembled Part Lists

R5 OBSERVATION DECK		
Part #	DESCRIPTION	QTY
CF-7160	Balcony Deck Glass R5	1
AE-4684	Balcony Deck Glass Support	1
EE-4628	Balcony Deck Glass Window	1
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	12
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	12
9413162-BLK	Nut Lock 3/8" w/ Black Cap	12

R5 SPINNER DECK		
Part #	DESCRIPTION	QTY
CF-7162	Balcony Deck Spinner R5	1
EE-4671	Balcony Spinner Disc	1
AE-4626	Spinner Deck Plate	1
IE-0014	Spinner Deck Friction Wheel	4
IE-0015	Spinner Deck Tension Block	4
BE-0144	Friction Wheel Lower Bracket	4
BE-0145	Friction Wheel Upper Bracket	4
EE-4672	Balcony Spinner Deck Hub	1
FS-1109-SPN	Spinner Deck Axle	1
411014	Spinner Deck Spring	4
480315	Shim 1" X 1-1/2" O.D. X .025" Thick	1
561000	Bronze Flanged Bearing 1" x 1-1/4"L	2
9103032-TR	Bolt Button Head 3/8" x 3/4"	4
9103052-TR	Bolt Button Head 3/8" x 1"	12
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	1
9103102-TR	Bolt Button Head 3/8" x 2-1/4"	4
9143062-TR	Bolt Shoulder 3/8" x 1-3/8" BH	8
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	29
9345002	Washer Flat SAE 1/2"	4
9413002	Nut Lock 3/8"	8
9423002	Nut Lock Thin 3/8"	4
9443022-TR	Nut Barrel 3/8" x 5/8" BH	8
9443052-TR	Nut Barrel 3/8" x 1-1/8" BH	4



R35 Parts List

R35 PROMENADE DECK		
Part #	DESCRIPTION	QTY
Varies	Promenade Deck R3.5	1
Varies	Balcony Deck Wall Large R3.5	1
GG-8110	Mounting Block 4 Top R3.5	4
GG-8111	Mounting Block 4 Bottom R3.5	4
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	10
9103112-TR	Bolt Button Head 3/8" x 2-1/2"	2
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	2
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	4
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	22
9345002	Washer Flat SAE 1/2"	6
9443092-TR	Nut Barrel 3/8" x 2" BH	4
9413002	Nut Lock 3/8"	10

R35 BALCONY DECK		
Part #	DESCRIPTION	QTY
CG-8146	Balcony Deck R3.5	1
Varies	Balcony Deck Wall R3.5	1
HS-1001-R35	Socket Clamp Set R3.5	2
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	9
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	18
9413002	Nut Lock 3/8"	9

R35 Assembled Parts List

R35 OBSERVATION DECK		
Part #	DESCRIPTION	QTY
CG-8260	Balcony Deck Glass R3.5	1
AE-4684	Balcony Deck Glass Support	1
EE-4628	Balcony Deck Glass Window	1
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	12
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	12
9413162-BLK	Nut Lock 3/8" w/ Black Cap	12

R35 SPINNER DECK		
Part #	DESCRIPTION	QTY
CG-8257	R35 Balcony Deck Spinner	1
EE-4671	Balcony Spinner Disc	1
AE-4626	Spinner Deck Plate	1
IE-0014	Spinner Deck Friction Wheel	4
IE-0015	Spinner Deck Tension Block	4
BE-0144	Friction Wheel Lower Bracket	4
BE-0145	Friction Wheel Upper Bracket	4
EE-4672	Balcony Spinner Deck Hub	1
FS-1109-SPN	Spinner Deck Axle	1
411014	Spinner Deck Spring	4
480315	Shim 1" X 1-1/2" O.D. X .025" Thick	1
561000	Bronze Flanged Bearing 1" x 1-1/4"L	2
9103032-TR	Bolt Button Head 3/8" x 3/4"	4
9103052-TR	Bolt Button Head 3/8" x 1"	12
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	1
9103102-TR	Bolt Button Head 3/8" x 2-1/4"	4
9143062-TR	Bolt Shoulder 3/8" x 1-3/8" BH	8
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	29
9345002	Washer Flat SAE 1/2"	4
9413002	Nut Lock 3/8"	8
9423002	Nut Lock Thin 3/8"	4
9443022-TR	Nut Barrel 3/8" x 5/8" BH	8
9443052-TR	Nut Barrel 3/8" x 1-1/8" BH	4



Specifications

PROMENADE & BALCONY DECKS R5 & R35:

Shall be fabricated using punched, formed and welded 12 gauge sheet steel and shall be Play-Tuff™ coated after fabrication.

PROMENADE WALL R5 & R35:

Shall be fabricated using 1.315" O.D. 12 gauge steel tubing with welded 1.029" O.D. 14 gauge steel rungs, 1/4" thick steel clevises and 3/8" thick steel tabs, and will have a multi-stage baked on powder coat finish.

BALCONY WALL R5 & R35:

Shall be fabricated using 1.315" O.D. 12 gauge steel tubing with welded 1.029" O.D. 14 gauge steel rungs and 3/8" thick steel tabs, and will have a multi-stage baked on powder coat finish.

BALCONY WINDOW R5 & R35:

Shall be made from 1/2" polycarbonate and is to be replaced if damaged or discolored or within 4 years.

GLASS SUPPORT R5 & R35:

Shall be fabricated using punched 12 gauge sheet steel and will have a multi-stage baked-on powder coat finish.

FRICITION WHEEL BRACKETS:

Shall be fabricated using 12 gauge sheet steel with a multi-stage baked-on powder coat finish.

FRICITION WHEEL:

Shall be machined from 1-1/2" round UHMW plastic.

SPINNER DISC:

Shall be made from high density 1" sheet plastic specially formulated for optimum UV stability and color retention.

SPINNER HUB & SIGN:

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

SPINNER AXLE:

Shall be machined from 1" round mild steel with a welded 1/4" steel plate and will have a multi-stage baked-on powder coat finish.

SPINNER PLATE:

Shall be punched from 10 gauge sheet steel and will have a multi-stage baked-on powder coat finish.

Specifications

MOUNTING BLOCKS:

Shall be two-part and precision die-cast from a high strength aluminum alloy and will have a multi-stage baked-on powder coat finish.

SOCKET CLAMPS:

Shall be two-part and precision die-cast from a high strength aluminum alloy 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.

