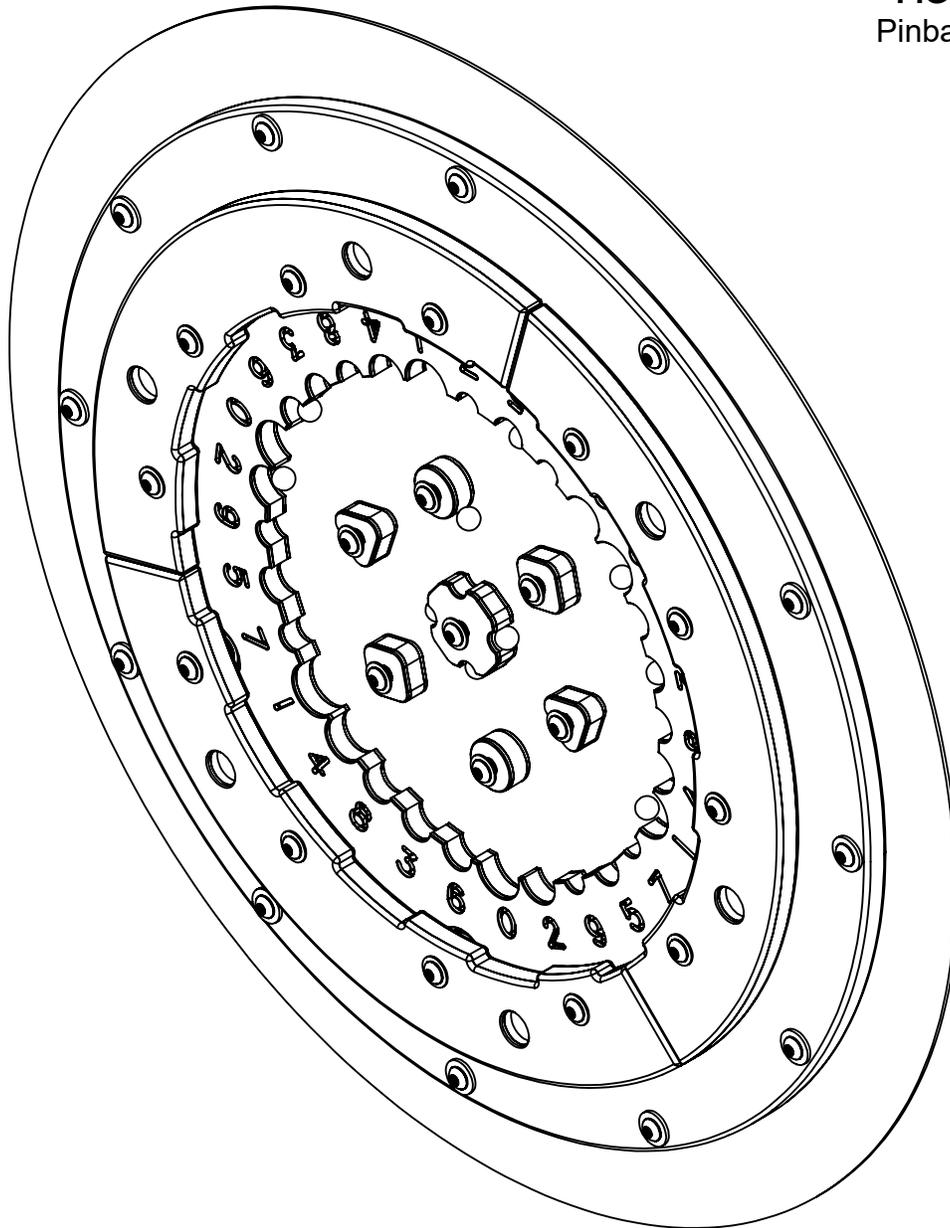


IMPORTANT NOTES: Read First

(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 R35-1600 R3.5 Panel Assembly and R5-1601 Panel Type 1 (Rotomold) installation instructions.

**FIGURE 1
Pinball Panel**



NOTE: Pinball Panel to steel panel shown. Other configurations will vary slightly, but does not affect assembly.

Step 1 (Factory Assembled)

Attach Flange Bearings to Roller Bearing as shown in Figure 2.

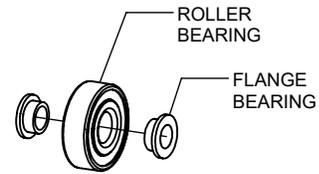


FIGURE 2

Step 2 (Factory Assembled)

Attach Windows and Clamping Rings to Mounting Ring as shown in Figure 3. (See Note A)

NOTE: For R35 Panel assemblies, replace the Mounting Ring with the Main Mounting Panel.

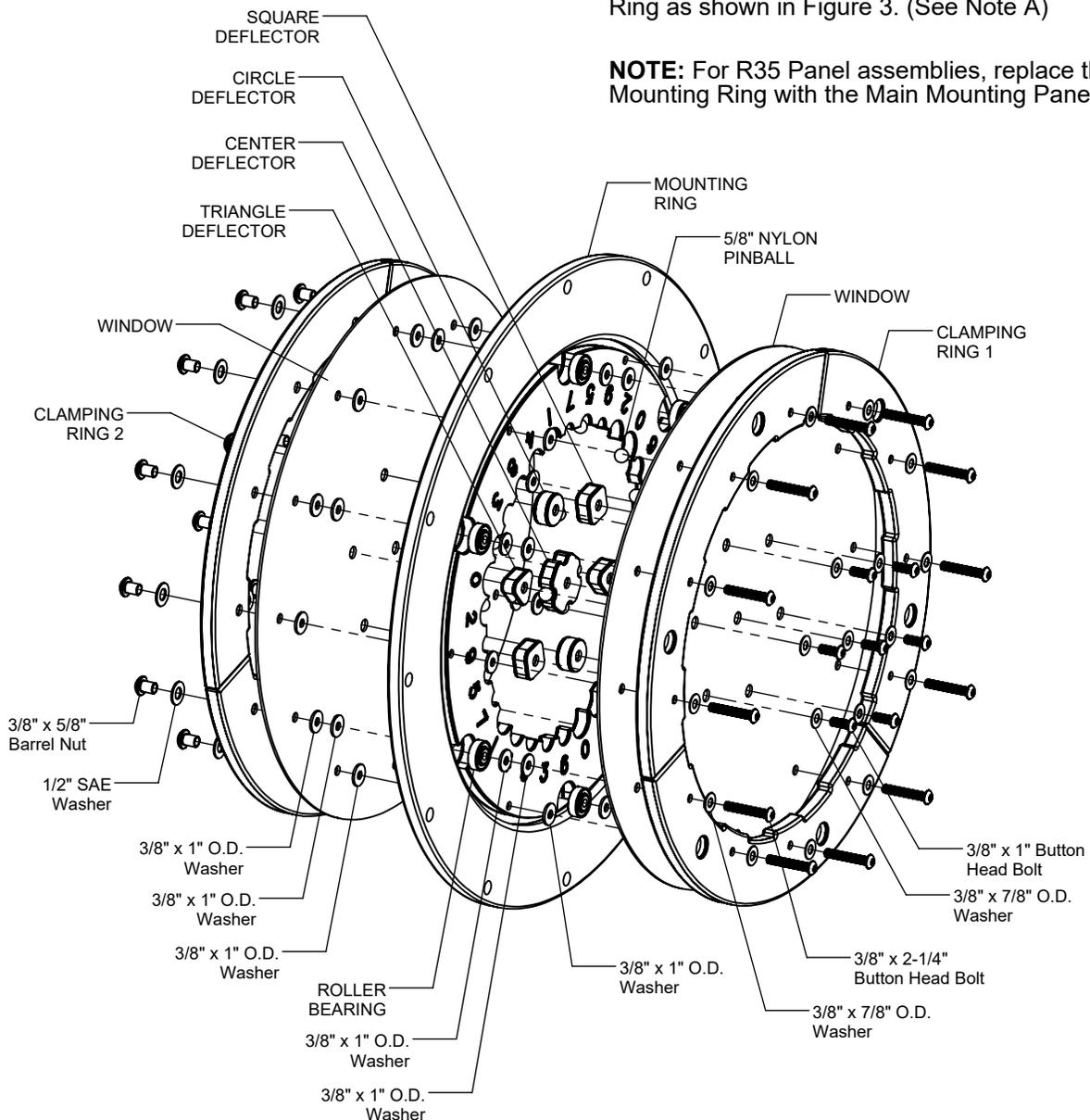


FIGURE 3

Step 3a

For Steel Event Panel Only

Attach Pin Ball Panel to Steel Event Panel as shown in Figure 4. (See Note A)

NOTE: This step may be factory assembled. See Bill of Materials for Assembled Parts List.

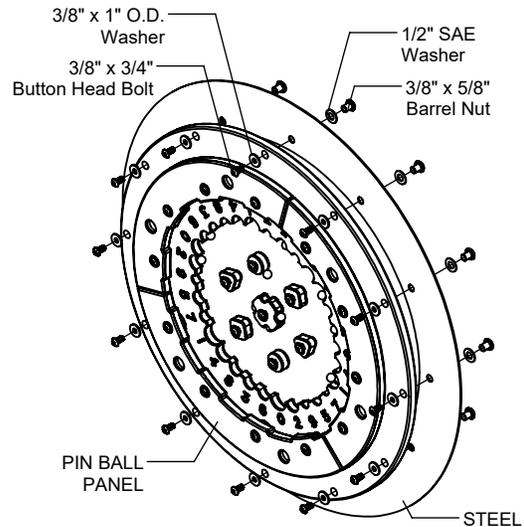


FIGURE 4

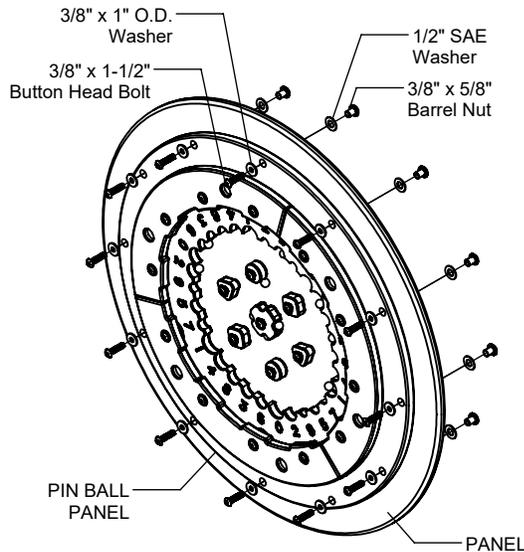


FIGURE 5

Step 3b

For HDPE Event Panel Only

Attach Pin Ball Panel to HDPE Event Panel as shown in Figure 5. (See Note A)

NOTE: This step may be factory assembled. See Bill of Materials for Assembled Parts List.

Step 3c

For Roto Event Panel Only

Attach Pin Ball Panel to Roto Event Panel as shown in Figure 6. (See Note A)

NOTE: This step may be factory assembled. See Bill of Materials for Assembled Parts List.

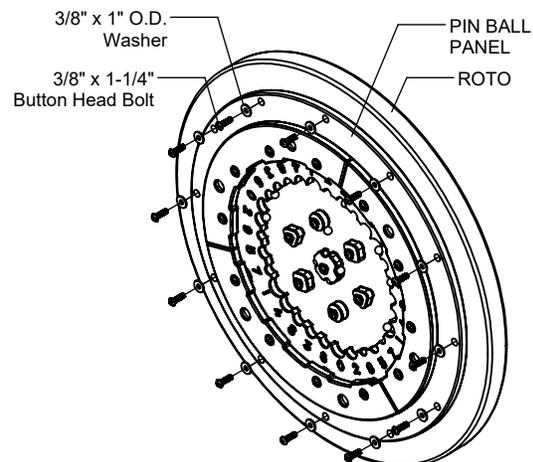


FIGURE 6

Step 4

For Standard R5/R35 Panel Only

Complete standard panel assembly as described in R35-1600 R3.5 Panel Assembly and R5-1601 Panel Type 1 (Rotomold) installation instructions (See Note B)

Step 5

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

Parts List

STEEL INSERT MOUNT		
Part #	DESCRIPTION	QTY
9103032-TR	Bolt Button Head 3/8" x 3/4"	12
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	12
9345002	Washer Flat SAE 1/2"	12
9443022-TR	Nut Barrel 3/8" x 5/8" BH	12

HDPE INSERT MOUNT		
Part #	DESCRIPTION	QTY
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
9345002	Washer Flat SAE 1/2"	12
9443022-TR	Nut Barrel 3/8" x 5/8" BH	12

ROTO INSERT MOUNT		
Part #	DESCRIPTION	QTY
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	12
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	12

Assembled Parts List

INSERT MOUNT		
Part #	DESCRIPTION	QTY
EE-4291	Pin Ball Panel Window	2
EF-4246-R	Pin Ball Panel Mounting Ring	1
EG-8161-C	Pin Ball Circle Deflector	2
EG-8161-CP	Pin Ball Center Deflector	1
EG-8161-CR1	Pin Ball Clamping Ring 1	3
EG-8161-CR2	Pin Ball Clamping Ring 2	3
EG-8161-R	Pin Ball Rotator	1
EG-8161-S	Pin Ball Square Deflector	2
EG-8161-T	Pin Ball Triangle Deflector	2
481000	Roller Bearing 1/2"x1-3/8"x7/16" thick	6
562000	Flange Bearing	12
579000	5/8" Nylon Pinball	10
9103052-TR	Bolt Button Head 3/8" x 1"	7
9103102-TR	Bolt Button Head 3/8" x 2-1/4"	12
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	36
9333042	Washer Flat 3/8" x 7/8" O.D.	19
9345002	Washer Flat SAE 1/2"	19
9443022-TR	Nut Barrel 3/8" x 5/8" BH	19

Parts List

R35 DECK MOUNT		
Part #	DESCRIPTION	QTY
BE-0361-L	R35 Panel Bracket - Left	1
BE-0361-R	R35 Panel Bracket - Right	1
GG-8113	Mounting Lug R3.5	2
HS-1001-R35	Socket Clamp Set R3.5	2
9103052-TR	Bolt Button Head 3/8" x 1"	4
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	2
9143062-TR	Bolt Shoulder 3/8" x 1-3/8" BH	2
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	8
9345002	Washer Flat SAE 1/2"	6
9413002	Nut Lock 3/8"	2
9443022-TR	Nut Barrel 3/8" x 5/8" BH	4

R35 GROUND MOUNT		
Part #	DESCRIPTION	QTY
HS-1001-R35	Socket Clamp Set R3.5	4
GG-8113	Mounting Lug R3.5	4
9143062-TR	Bolt Shoulder 3/8" x 1-3/8" BH	4
9345002	Washer Flat SAE 1/2"	4

Assembled Parts List

R35 PANEL		
Part #	DESCRIPTION	QTY
EE-4291	Pin Ball Panel Window	2
EG-8161-C	Pin Ball Circle Deflector	2
EG-8161-CP	Pin Ball Center Deflector	1
EG-8161-CR1	Pin Ball Clamping Ring 1	3
EG-8161-CR2	Pin Ball Clamping Ring 2	3
EG-8161-P	Round Insert Panel R3.5	1
EG-8161-R	Pin Ball Rotator	1
EG-8161-S	Pin Ball Square Deflector	2
EG-8161-T	Pin Ball Triangle Deflector	2
481000	Roller Bearing 1/2"x1-3/8"x7/16" thick	6
562000	Flange Bearing	12
579000	5/8" Nylon Pinball	10
9103052-TR	Bolt Button Head 3/8" x 1"	7
9103102-TR	Bolt Button Head 3/8" x 2-1/4"	12
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	36
9333042	Washer Flat 3/8" x 7/8" O.D.	19
9345002	Washer Flat SAE 1/2"	19
9443022-TR	Nut Barrel 3/8" x 5/8" BH	19



Parts List

R5 GROUND MOUNT		
Part #	DESCRIPTION	QTY
HS-1001-R5	Socket Clamp Set R5	4

Assembled Parts List

R5 GROUND MOUNT		
Part #	DESCRIPTION	QTY
DF-7107-G	Roto Panel Round-Ground	1
EE-4291	Pin Ball Panel Window	2
EF-4246-R	Pin Ball Panel Mounting Ring	1
EG-8161-C	Pin Ball Circle Deflector	2
EG-8161-CP	Pin Ball Center Deflector	1
EG-8161-CR1	Pin Ball Clamping Ring 1	3
EG-8161-CR2	Pin Ball Clamping Ring 2	3
EG-8161-R	Pin Ball Rotator	1
EG-8161-S	Pin Ball Square Deflector	2
EG-8161-T	Pin Ball Triangle Deflector	2
GE-0011	Zinc Collar	4
LF-0733	Panel Roto Pipe	2
481000	Roller Bearing 1/2"x1-3/8"x7/16" thick	6
562000	Flange Bearing	12
579000	5/8" Nylon Pinball	10
9103052-TR	Bolt Button Head 3/8" x 1"	7
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	12
9103102-TR	Bolt Button Head 3/8" x 2-1/4"	12
9248112	Screw Drywall #8 x 2-1/2" Sq Dr	8
9263012	Screw Soc Set 3/8" x 1/2"	4
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	48
9333042	Washer Flat 3/8" x 7/8" O.D.	19
9345002	Washer Flat SAE 1/2"	19
9443022-TR	Nut Barrel 3/8" x 5/8" BH	19

Specifications

PINBALL PANEL MOUNTING RING, ROTATOR, CLAMPING RINGS & DEFLECTORS:

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

PINBALL PANEL WINDOW:

Shall be made from .118 Polycarbonate sheet plastic.

HARDWARE:

Shall be stainless steel, zinc/nickel plated or galvanized as required to resist rust and corrosion.

Parts List

R5 DECK MOUNT		
Part #	DESCRIPTION	QTY
BF-7117-L	Roto Panel Bracket Left (R5)	1
BF-7117-R	Roto Panel Bracket Right (R5)	1
HS-1001-R5	Socket Clamp Set R5	2
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	2
9103082-TR	Bolt Button Head 3/8" x 1-3/4"	4
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	12
9413002	Nut Lock 3/8"	6

Assembled Parts List

R5 DECK MOUNT		
Part #	DESCRIPTION	QTY
DF-7107	Roto Panel Round	1
EE-4291	Pin Ball Panel Window	2
EF-4246-R	Pin Ball Panel Mounting Ring	1
EG-8161-C	Pin Ball Circle Deflector	2
EG-8161-CP	Pin Ball Center Deflector	1
EG-8161-CR1	Pin Ball Clamping Ring 1	3
EG-8161-CR2	Pin Ball Clamping Ring 2	3
EG-8161-R	Pin Ball Rotator	1
EG-8161-S	Pin Ball Square Deflector	2
EG-8161-T	Pin Ball Triangle Deflector	2
GE-0011	Zinc Collar	2
LF-0733	Panel Roto Pipe	1
481000	Roller Bearing 1/2"x1-3/8"x7/16" thick	6
562000	Flange Bearing	12
579000	5/8" Nylon Pinball	10
9103052-TR	Bolt Button Head 3/8" x 1"	7
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	12
9103102-TR	Bolt Button Head 3/8" x 2-1/4"	12
9248112	Screw Drywall #8 x 2-1/2" Sq Dr	4
9263012	Screw Soc Set 3/8" x 1/2"	2
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	48
9333042	Washer Flat 3/8" x 7/8" O.D.	19
9345002	Washer Flat SAE 1/2"	19
9443022-TR	Nut Barrel 3/8" x 5/8" BH	19

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.

