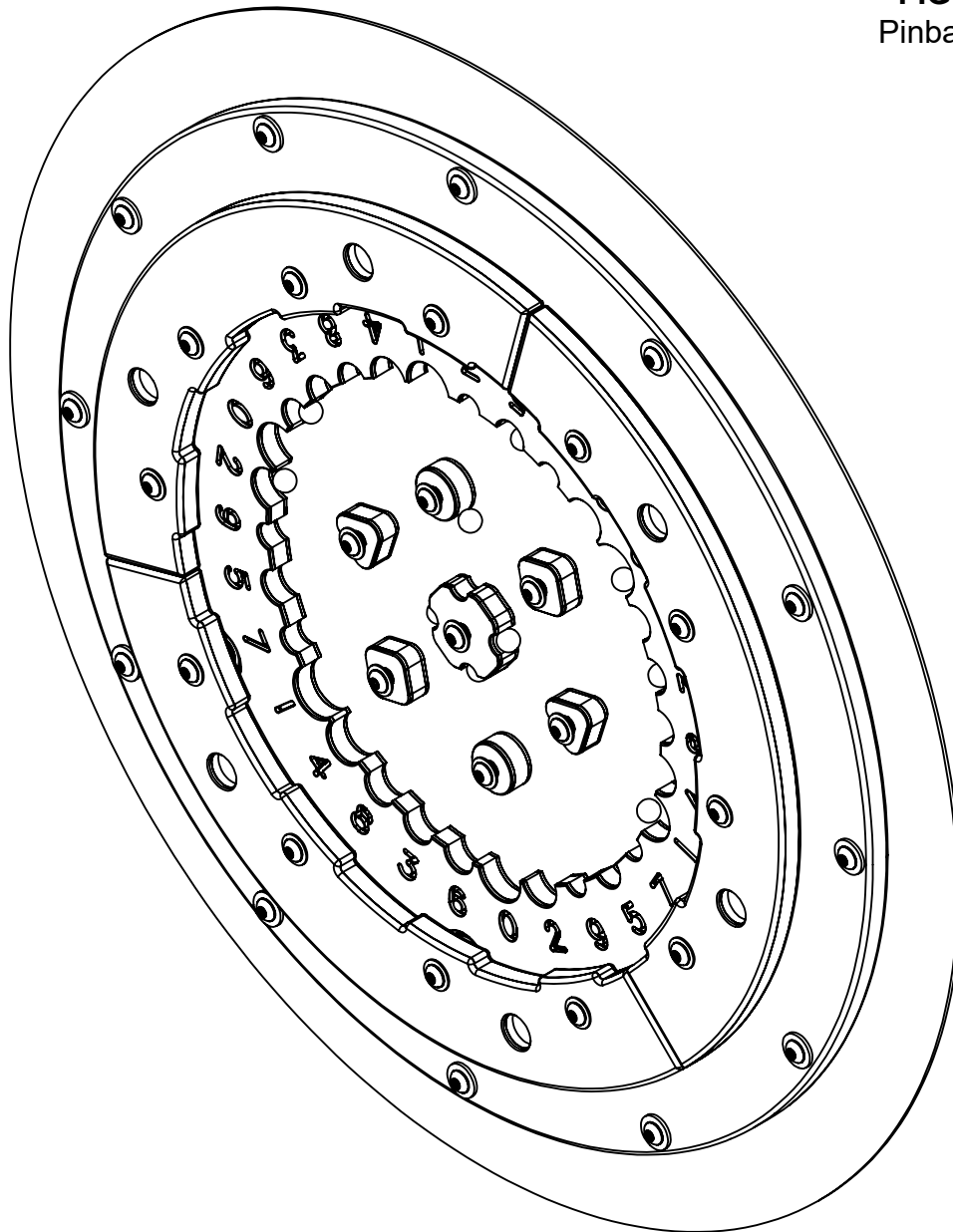


## IMPORTANT NOTES: Read First

(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.

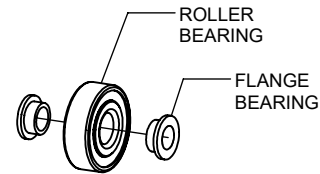
**FIGURE 1**  
Pinball Panel



**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.

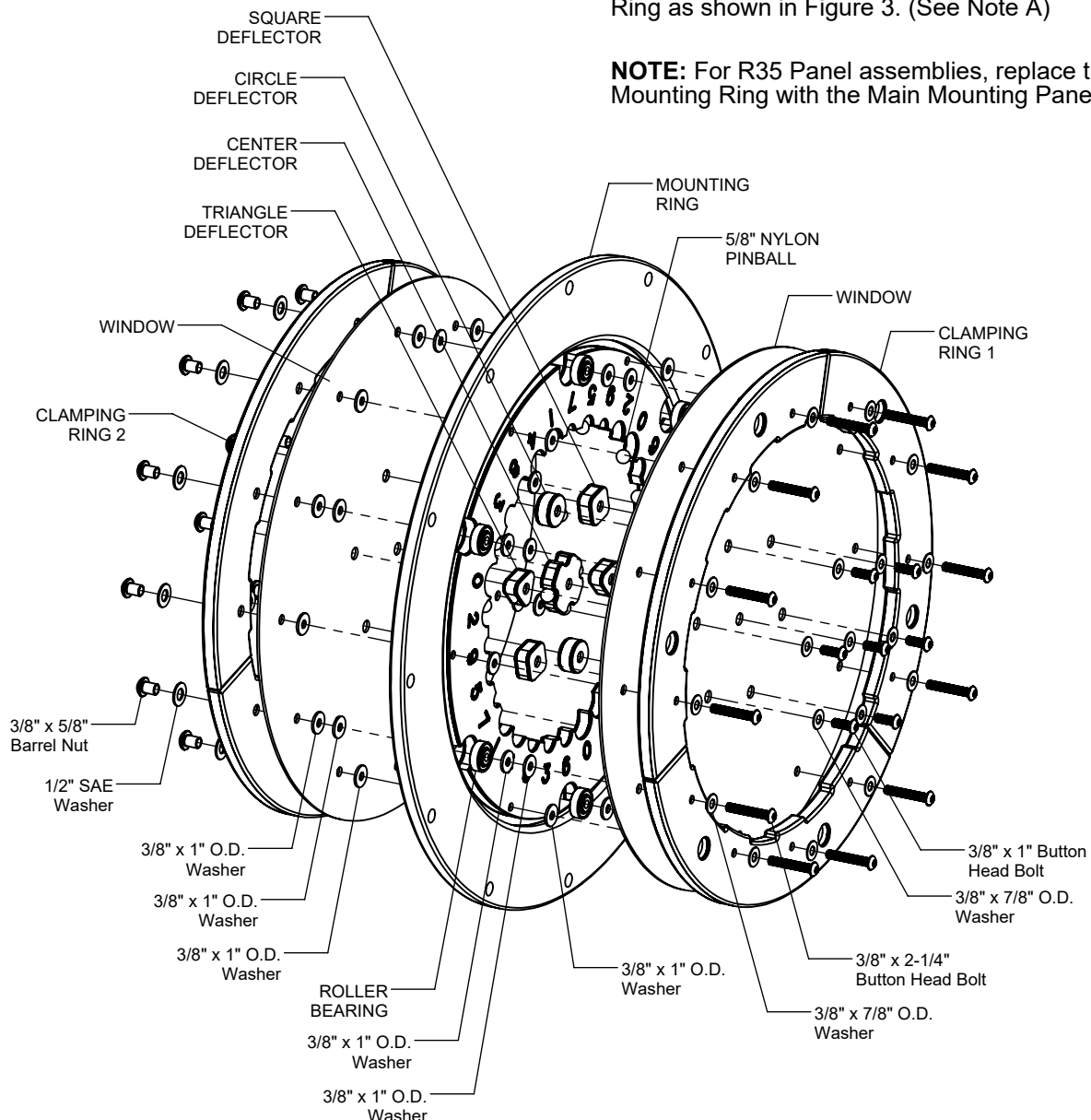


**FIGURE 2**

## 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.

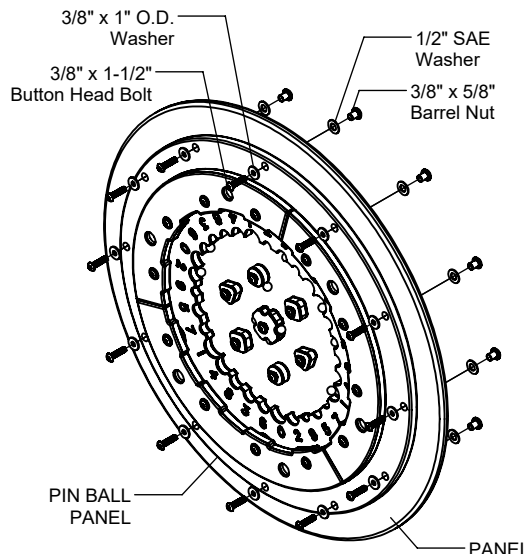


FIGURE 5

## 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.

## 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.

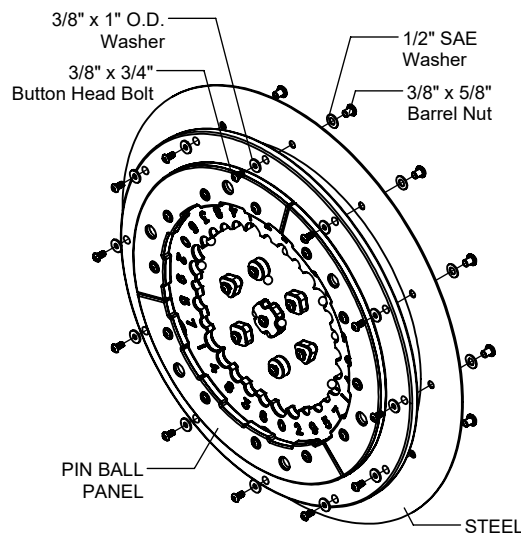


FIGURE 4

## 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.

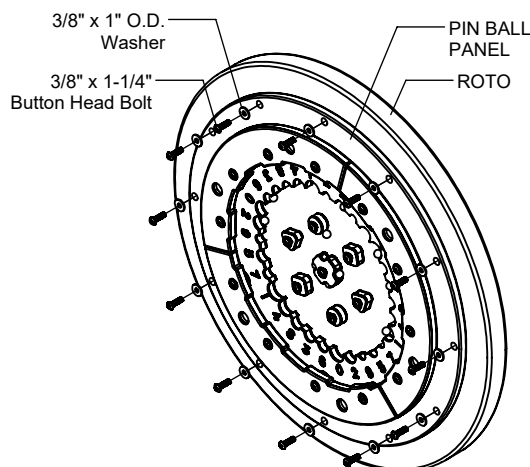


FIGURE 6

# PIN BALL PANEL INSTALLATION INSTRUCTIONS

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## 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



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# PIN BALL PANEL INSTALLATION INSTRUCTIONS

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## 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.



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