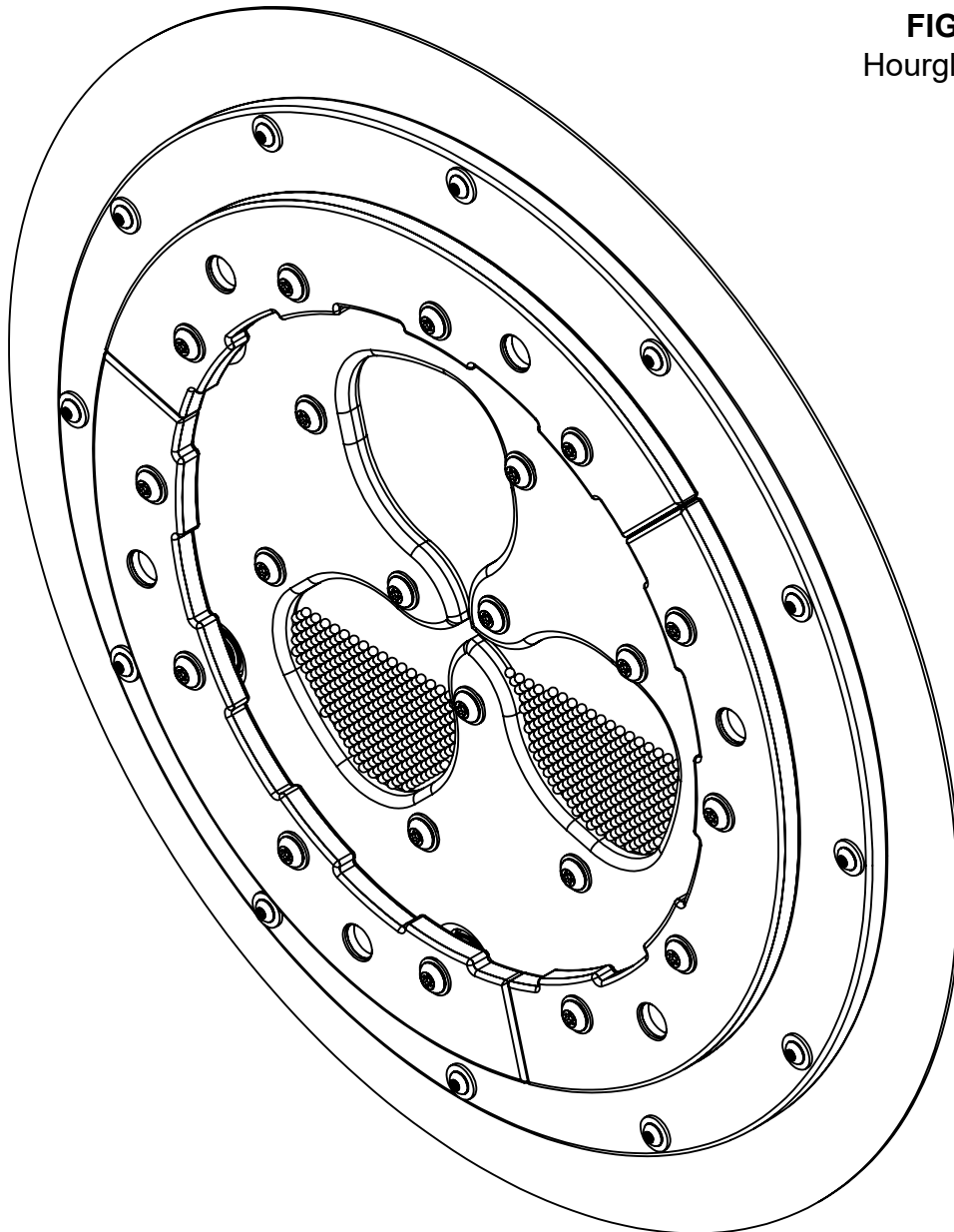


IMPORTANT NOTES: Read First

(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
Hourglass Panel



NOTE: Hourglass 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.

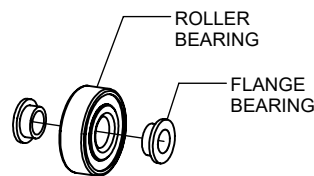


FIGURE 2

Step 2 (Factory Assembled)

Attach Rotator and Clamping Rings to Mounting Ring as shown in Figure 3. Measure approximately 600 1/4" SS Ball Bearings and pour into Rotator cavity. (See Note A)

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

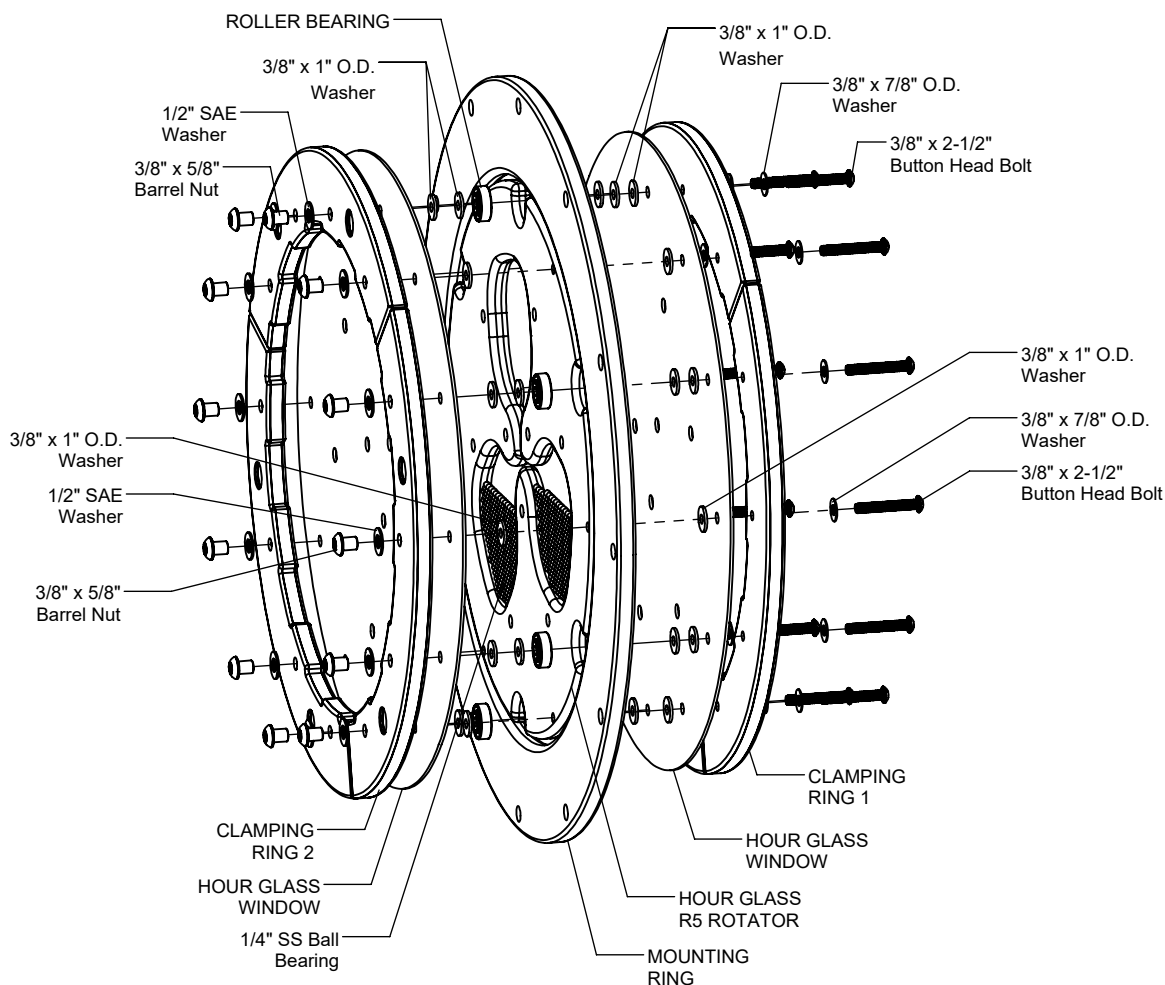


FIGURE 3

Step 3 (Factory Assembled)

Secure Window to Rotator as shown in Figure 4.
(See Note A)

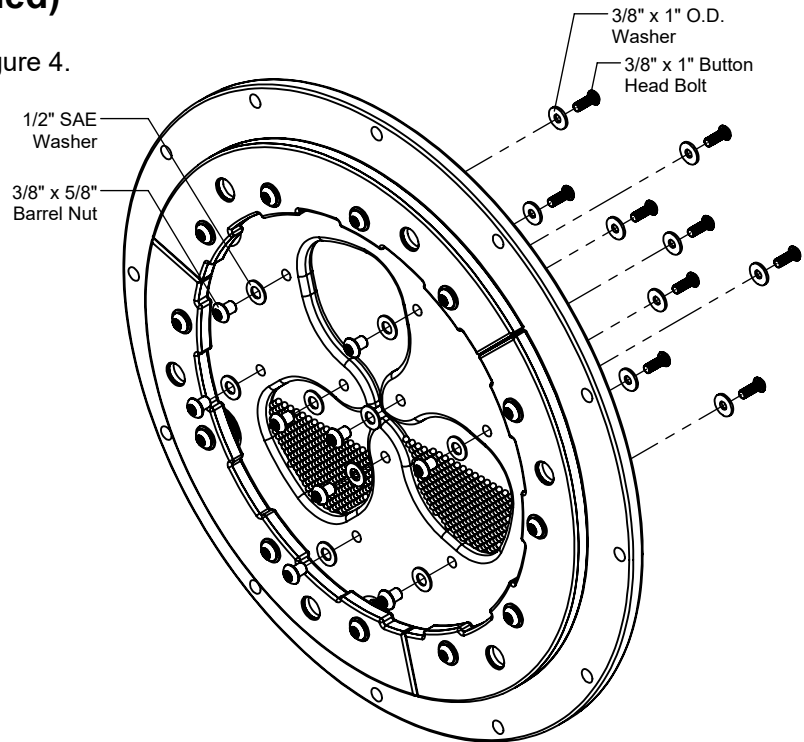


FIGURE 4

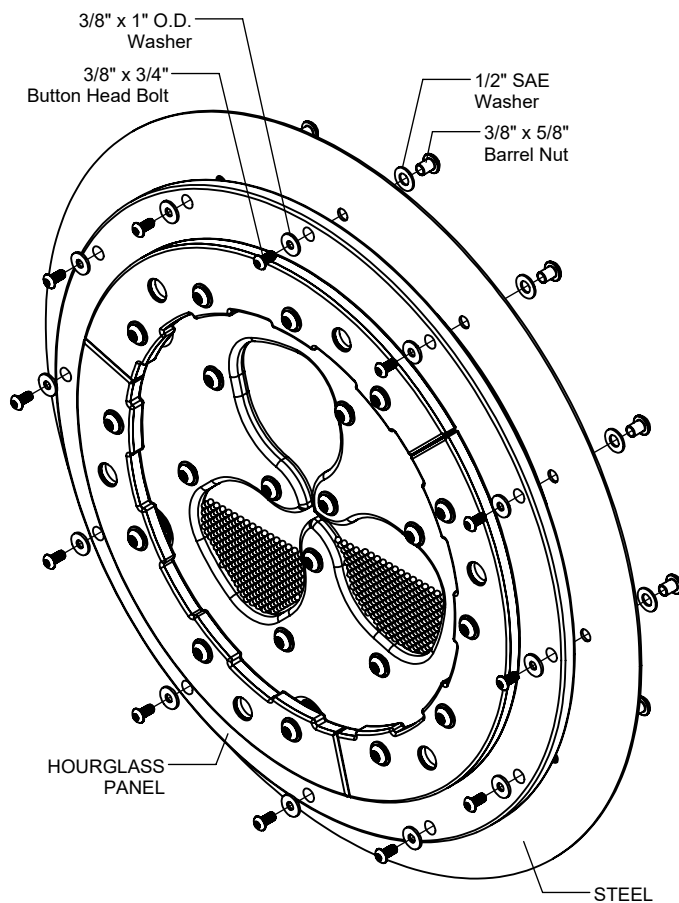


FIGURE 5

Step 4a

For Steel Event Panel Only

Attach Hour Glass Panel to Steel 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 4b

For HDPE Event Panel Only

Attach Hour Glass Panel to HDPE 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.

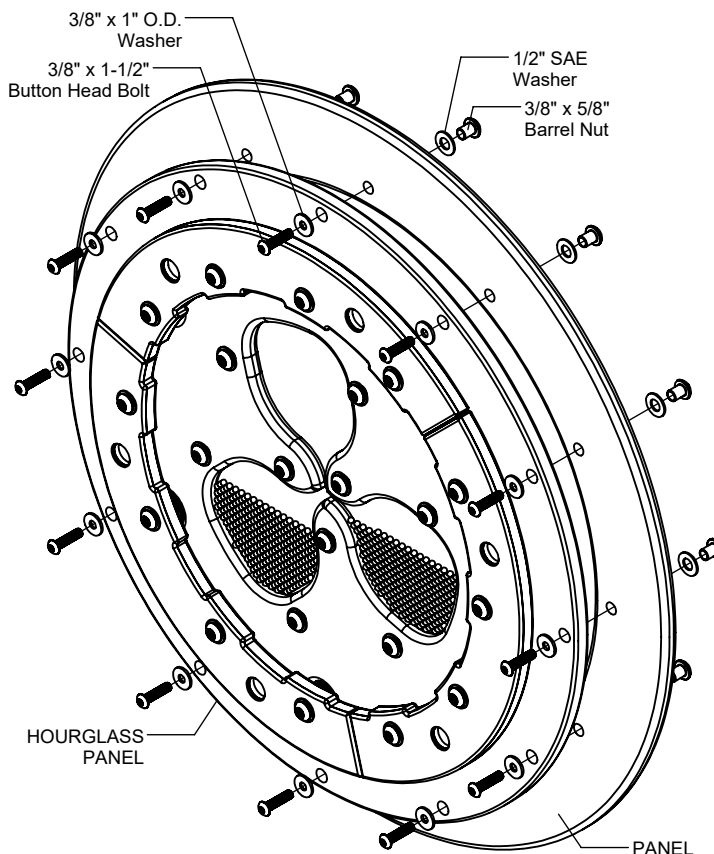


FIGURE 6

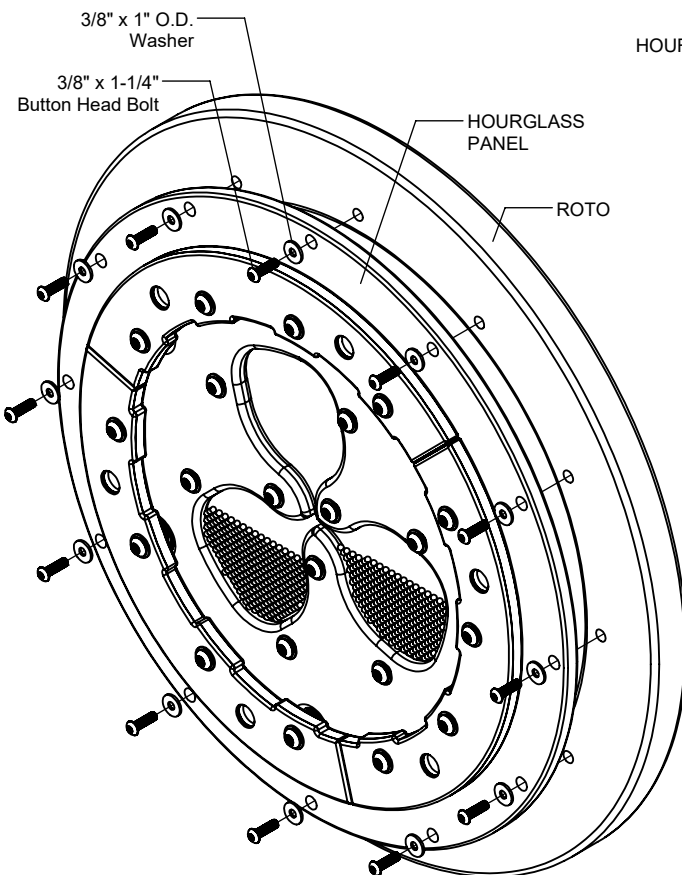


FIGURE 7

Step 4c

For Roto Event Panel Only

Attach Hour Glass Panel to Roto Event Panel as shown in Figure 7. (See Note A)

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

Step 5

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 6

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

HOURL GLASS 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
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	12
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	12

Assembled Parts List

INSERT MOUNT		
Part #	DESCRIPTION	QTY
EE-4292	Hour Glass Window	2
EF-4246-R	Pin Ball Panel Mounting Ring	1
EF-4247	Hour Glass R5 Rotator	1
EG-8161-CR1	Pin Ball Clamping Ring 1	3
EG-8161-CR2	Pin Ball Clamping Ring 2	3
481000	Roller Bearing 1/2"x1-3/8"x7/16" thick	6
562000	Flange Bearing	12
57100	Ball Bearing SS 1/4"	600
9103052-TR	Bolt Button Head 3/8" x 1"	9
9103112-TR	Bolt Button Head 3/8" x 2-1/2"	12
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	45
9333042	Washer Flat 3/8" x 7/8" O.D.	12
9345002	Washer Flat SAE 1/2"	21
9443022-TR	Nut Barrel 3/8" x 5/8" BH	21

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
GG-8113	Mounting Lug R3.5	4
HS-1001-R35	Socket Clamp Set 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-4292	Hour Glass Window	2
EF-4247	Hour Glass R5 Rotator	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
481000	Roller Bearing 1/2"x1-3/8"x7/16" thick	6
562000	Flange Bearing	12
57100	Ball Bearing SS 1/4"	600
9103052-TR	Bolt Button Head 3/8" x 1"	9
9103112-TR	Bolt Button Head 3/8" x 2-1/2"	12
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	45
9333042	Washer Flat 3/8" x 7/8" O.D.	12
9345002	Washer Flat SAE 1/2"	21
9443022-TR	Nut Barrel 3/8" x 5/8" BH	21



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HOUR GLASS 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-4292	Hour Glass Window	2
EF-4246-R	Pin Ball Panel Mounting Ring	1
EF-4247	Hour Glass R5 Rotator	1
EG-8161-CR1	Pin Ball Clamping Ring 1	3
EG-8161-CR2	Pin Ball Clamping Ring 2	3
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
57100	Ball Bearing SS 1/4"	600
9103052-TR	Bolt Button Head 3/8" x 1"	9
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	12
9103112-TR	Bolt Button Head 3/8" x 2-1/2"	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	57
9333042	Washer Flat 3/8" x 7/8" O.D.	12
9345002	Washer Flat SAE 1/2"	21
9443022-TR	Nut Barrel 3/8" x 5/8" BH	21

Specifications

PIN BALL PANEL MOUNTING RING, HOUR GLASS ROTATOR AND PIN BALL CLAMPING RINGS:

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

HOURGLASS WINDOW:

Shall be made from .118 thick 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-4292	Hour Glass Window	2
EF-4246-R	Pin Ball Panel Mounting Ring	1
EF-4247	Hour Glass R5 Rotator	1
EG-8161-CR1	Pin Ball Clamping Ring 1	3
EG-8161-CR2	Pin Ball Clamping Ring 2	3
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
57100	Ball Bearing SS 1/4"	600
9103052-TR	Bolt Button Head 3/8" x 1"	9
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	12
9103112-TR	Bolt Button Head 3/8" x 2-1/2"	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	57
9333042	Washer Flat 3/8" x 7/8" O.D.	12
9345002	Washer Flat SAE 1/2"	21
9443022-TR	Nut Barrel 3/8" x 5/8" BH	21

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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