

IMPORTANT NOTES: Read First

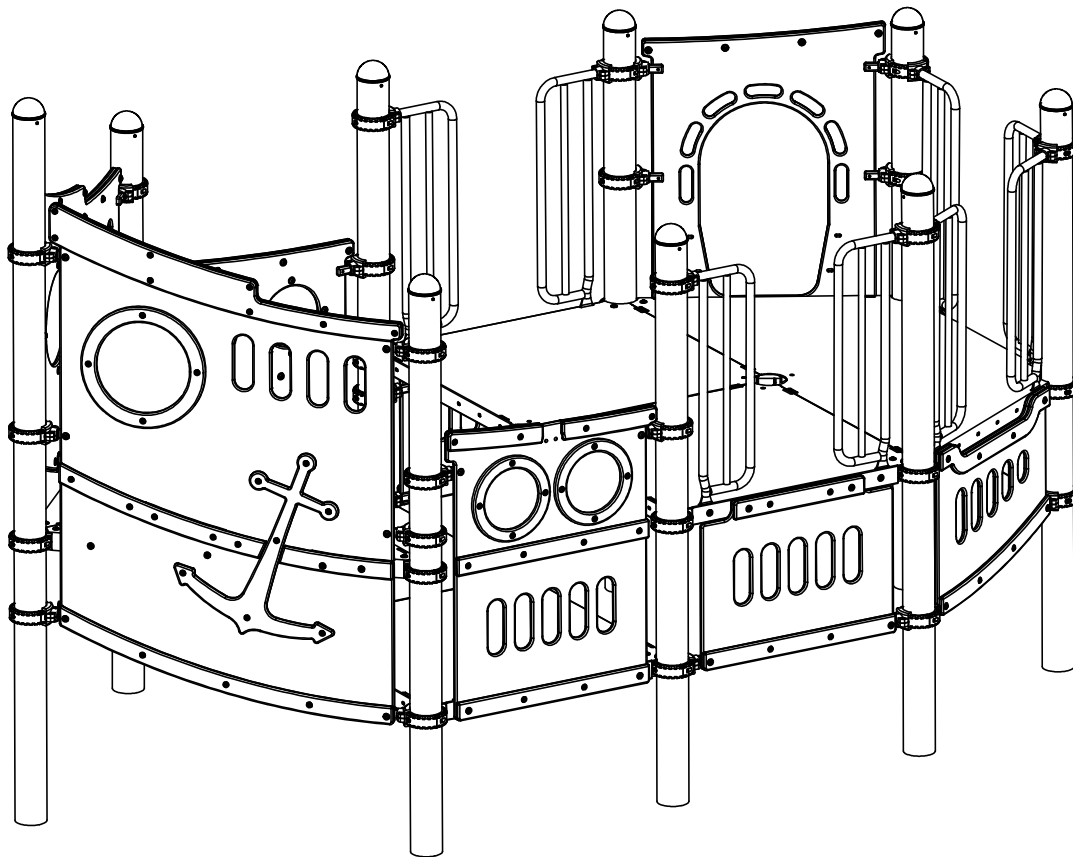
(A) Use liquid thread lock (such as Loctite®) with all threaded hardware. **Important:** Liquid thread lock (prior to curing) helps to eliminate the common problem of "thread seizure" in stainless steel hardware by serving as a lubricant during assembly.

(B) Refer to Installation Manual for R5-09 Collars and R5-11 Socket Clamps assembly instructions.

(C) All gaps created (e.g. between panels, between panel and deck and between panel and roof) must be less than 3-1/2" [89mm] or greater than 9" [229mm].

(D) 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
Ship Panel Assembly



BOW PANEL

Step 1

Attach the Bow Panel to the deck as shown in Figure 2.
(See Note A)

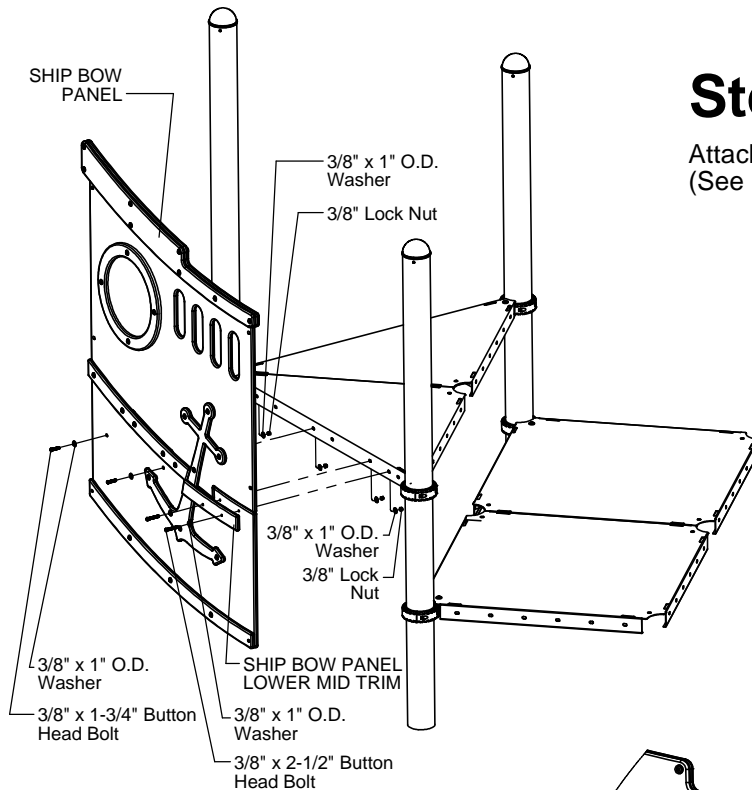


FIGURE 2

Step 2

Use panel to locate collar heights, then attach collars. (See Note B)

Step 3

Attach the Bow Panel to the post as shown in Figure 3. (See Notes A & B)

Step 4

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

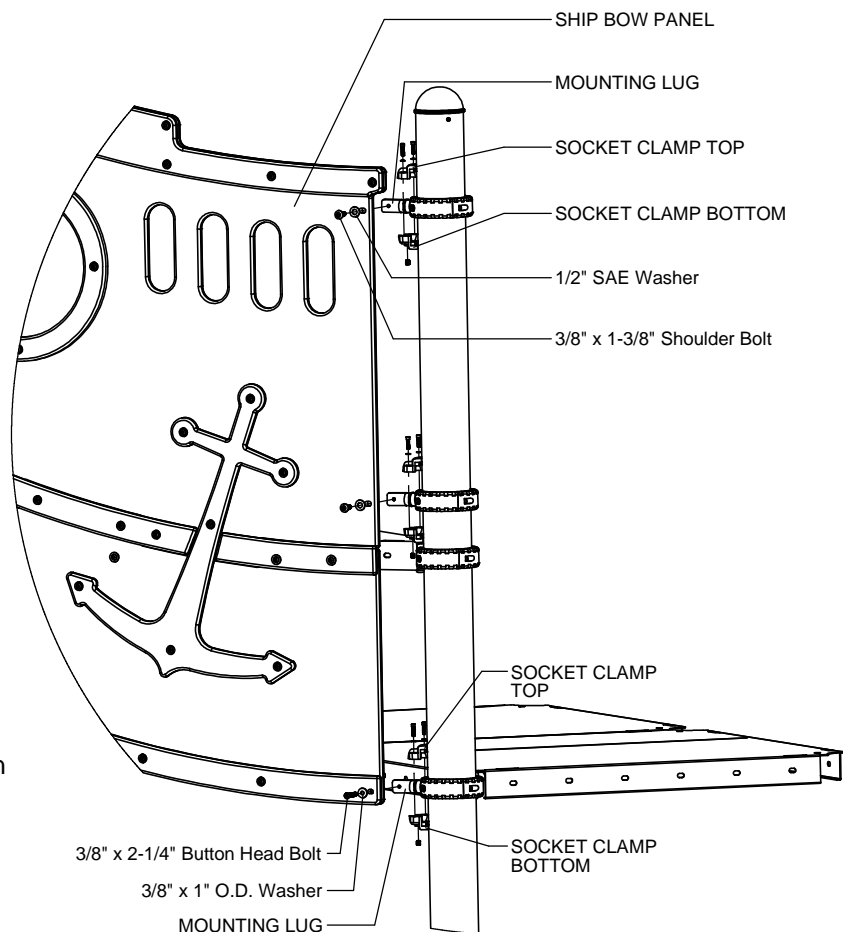


FIGURE 3

CLIMBER PANEL

Step 1

Attach the Climber Panel to the deck as shown in Figure 4. (See Note A)

Step 2

Use panel to locate collar heights, then attach collars. (See Note B)

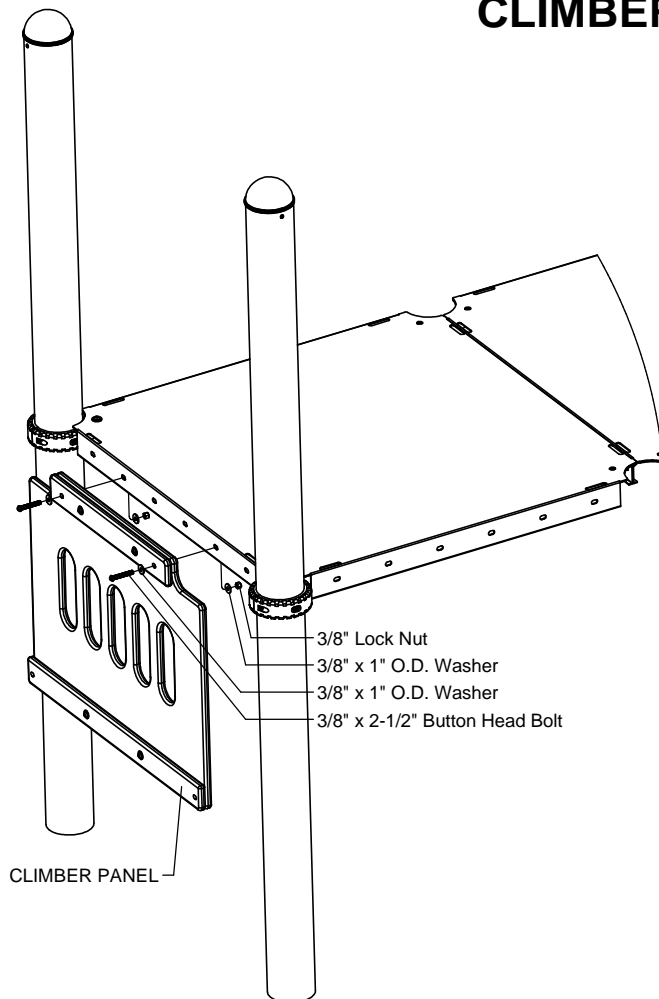


FIGURE 4

Step 3

Attach the Climber Panel to the post as shown in Figure 5. (See Notes A & B)

Step 4

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

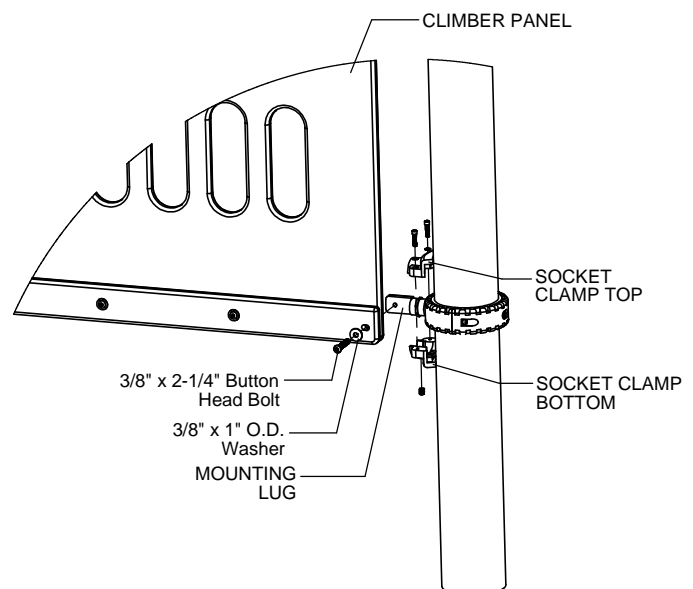


FIGURE 5

EVENT PANEL AND CURVED EVENT PANEL

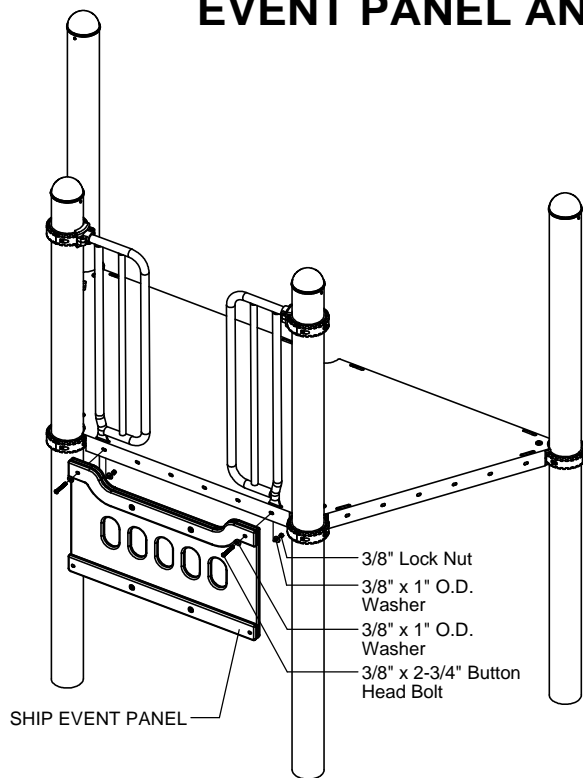


FIGURE 6

Step 1

Attach the Event Panel to the deck as shown in Figure 6. (See Note A)

Step 2

Use panel to locate collar heights, then attach collars. (See Note B)

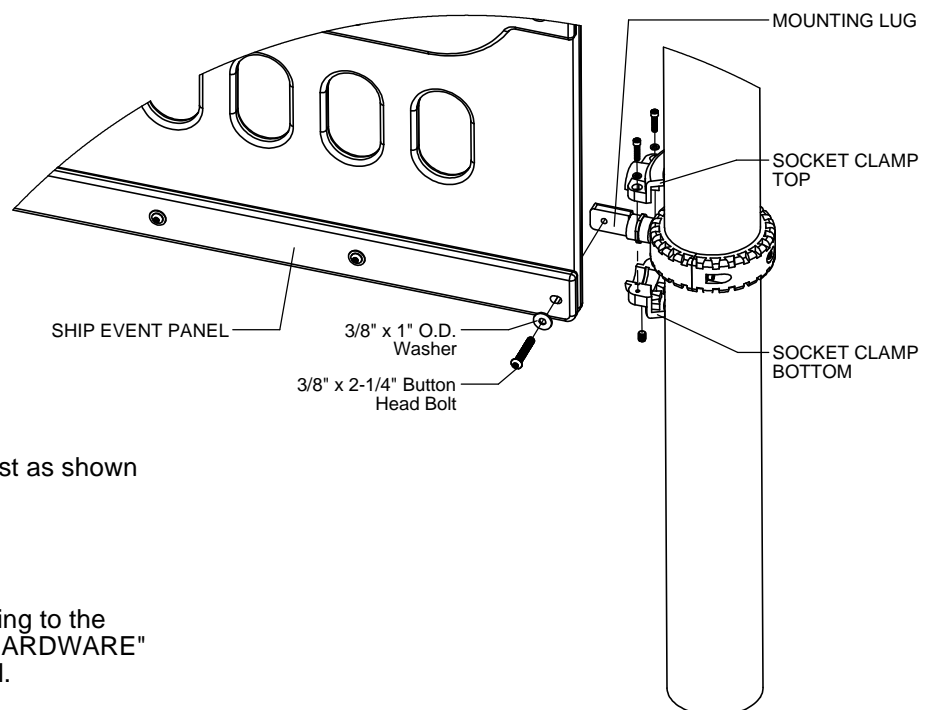


FIGURE 7

Step 3

Attach the Event Panel to the post as shown in Figure 7. (See Notes A & B)

Step 4

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

BELOW DECK PANEL AND BELOW DECK CURVED PANEL

Step 1

Use panel to locate collar heights, then attach collars. (See Note B and C)

Step 2

Attach the Under Deck Panel to the posts as shown in Figure 8. (See Note A)

Step 3

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

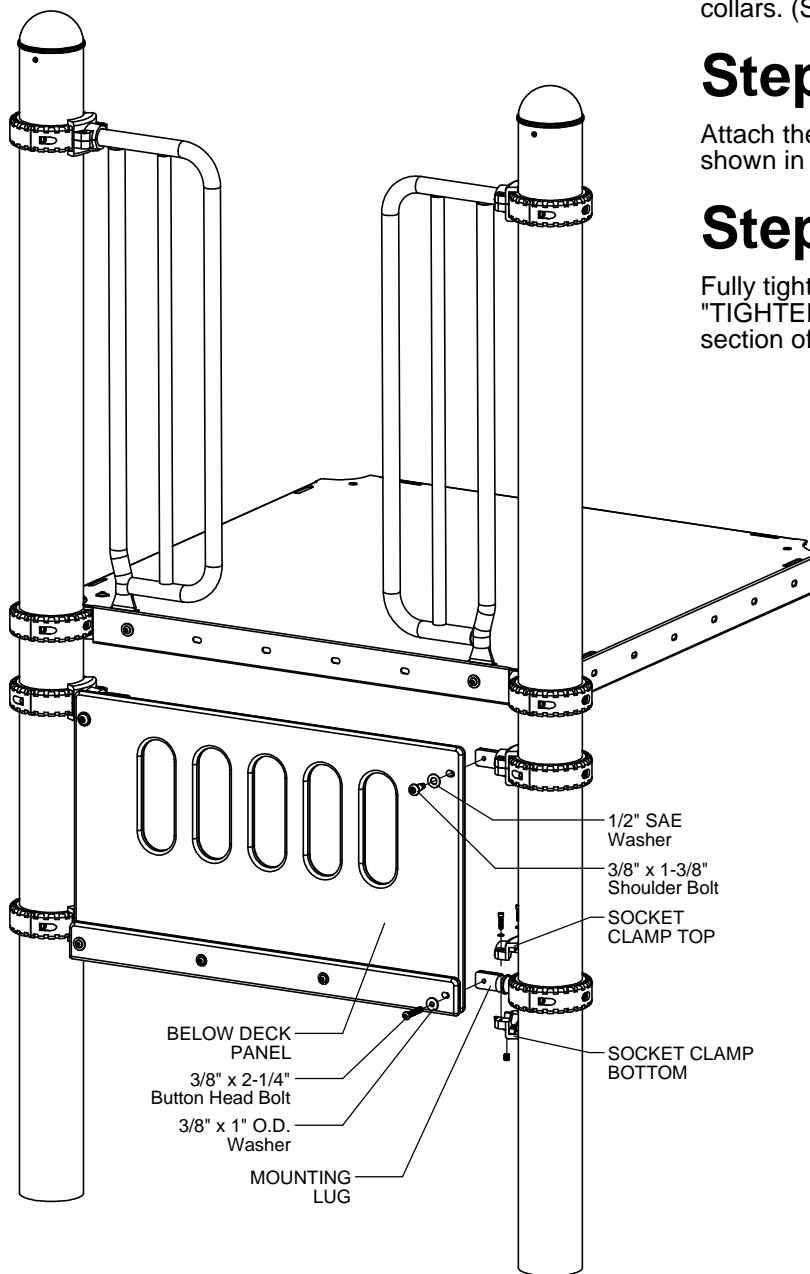


FIGURE 8

PORTHOLE PANEL AND TELESCOPE PANEL

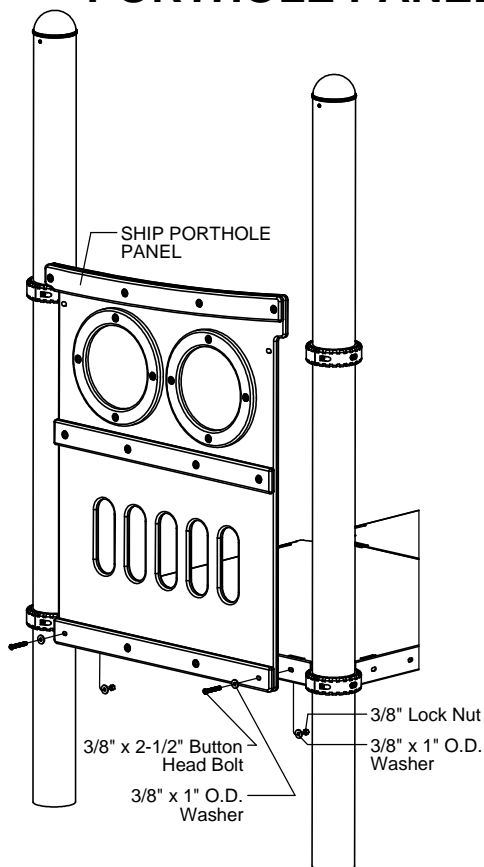


FIGURE 9

Step 1

Attach the Porthole Panel to the deck as shown in Figure 9. (See Note A)

Step 2

Use panel to locate collar heights, then attach collars. (See Note B)

Step 3

Attach the Porthole Panel to the post as shown in Figure 10. (See Notes A & B)

Step 4

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

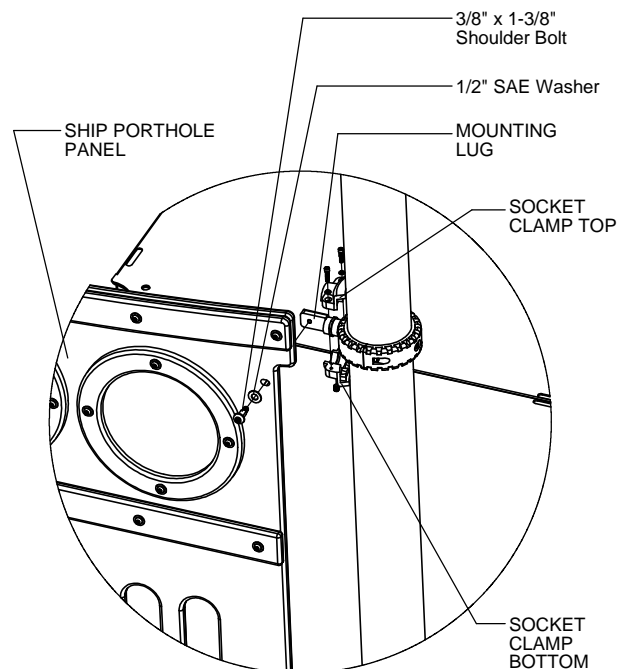


FIGURE 10

TWISTER PANEL

Step 1

For Canada Twister Panel Only.
Attach the Side Guards to the Ship Twister Panel as shown in Figure 11. (See Note A)

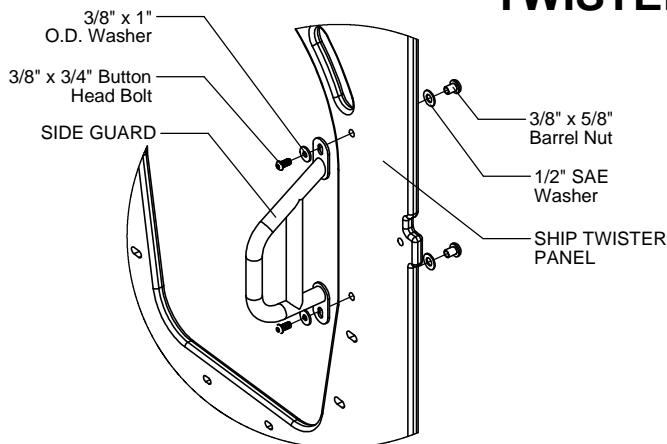


FIGURE 11

Step 2

Attach the Twister Panel to the deck as shown in Figure 12. (See Note A)

Step 3

Use panel to locate collar heights, then attach collars. (See Note B)

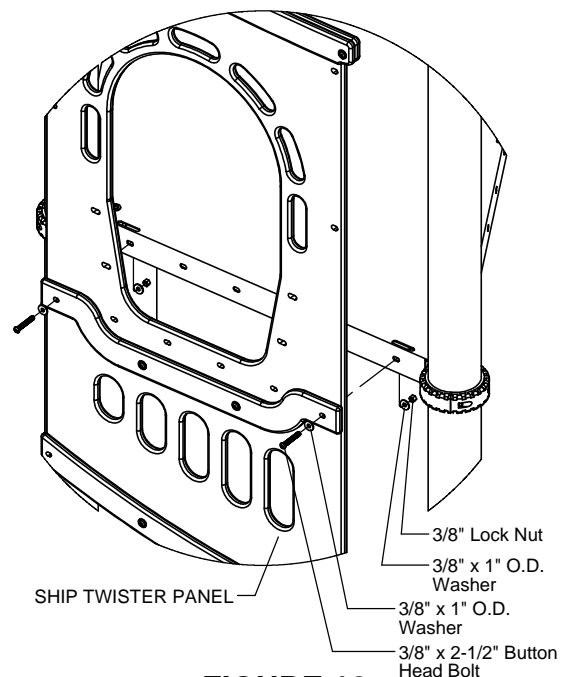


FIGURE 12

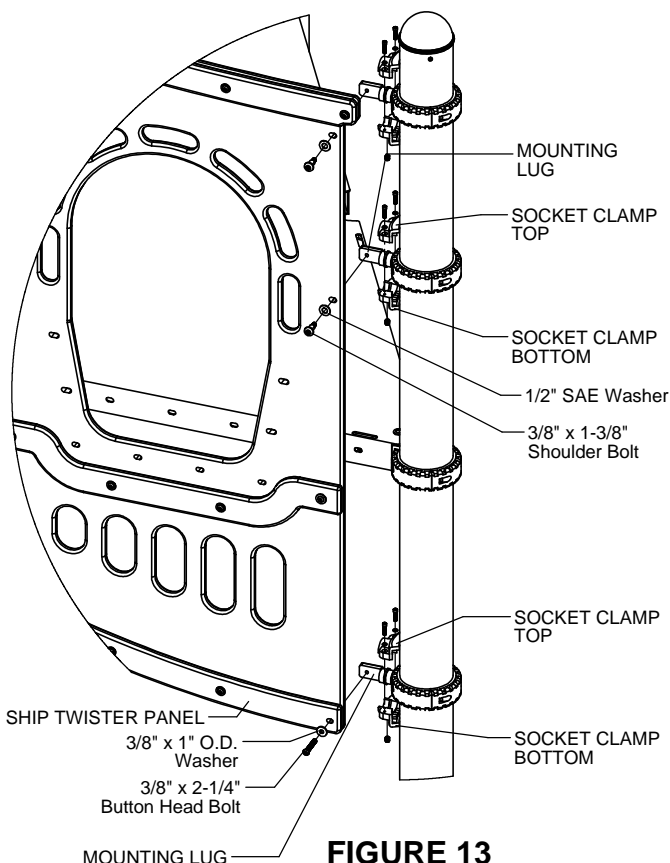


FIGURE 13

Step 4

Attach the Twister Panel to the post as shown in Figure 13. (See Notes A & B)

Step 5

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

Bow Panel Assembly

ASSEMBLED PARTS LIST		
Part #	DESCRIPTION	QTY.
EF-7317-PNLB	Ship Bow Panel Bottom	1
EF-7317-PNLT	Ship Bow Panel Top	1
EF-7317-TRMA	Ship Bow Panel Anchor	1
EF-7317-TRMB	Ship Bow Panel Bottom Trim	1
EF-7317-TRMT	Ship Bow Panel Top Trim	1
EF-7317-TRMUM	Ship Bow Panel Upper Mid Trim	1
EF-7317-TRMW	Ship Bow Panel Window Trim	1
EF-7317-WND	Ship Bow Panel Window	1
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	27
9333042	Washer Flat 3/8" x 7/8" O.D.	27
9345002	Washer Flat SAE 1/2"	27
9443022-TR	Nut Barrel 3/8" x 5/8" BH	27

PARTS LIST		
Part #	DESCRIPTION	QTY.
EF-7317-TRMLM	Ship Bow Panel Lower Mid Trim	1
GF-7007	Mounting Lug R5	6
HS-1001-R5	Socket Clamp Set R5	6
9103082-TR	Bolt Button Head 3/8" x 1-3/4"	2
9103102-TR	Bolt Button Head 3/8" x 2-1/4"	2
9103112-TR	Bolt Button Head 3/8" x 2-1/2"	2
9143062-TR	Bolt Shoulder 3/8" x 1-3/8" BH	4
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	10
9345002	Washer Flat SAE 1/2"	4
9413002	Nut Lock 3/8"	4

Climber Panel Assembly

ASSEMBLED PARTS LIST		
Part #	DESCRIPTION	QTY.
EF-7319-TRMB	Ship Event Panel Bottom Trim	1
EF-7323-PNL	Ship Climber Panel	1
EF-7323-TRMT	Ship Climber Panel Top Trim	1
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	4
9333042	Washer Flat 3/8" x 7/8" O.D.	4
9345002	Washer Flat SAE 1/2"	2
9443022-TR	Nut Barrel 3/8" x 5/8" BH	2
9453012	Nut Tee 3/8" Flat Sides (Roto)	2

PARTS LIST		
Part #	DESCRIPTION	QTY.
GF-7007	Mounting Lug R5	2
HS-1001-R5	Socket Clamp Set R5	2
9103102-TR	Bolt Button Head 3/8" x 2-1/4"	2
9103112-TR	Bolt Button Head 3/8" x 2-1/2"	2
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	6
9413002	Nut Lock 3/8"	2

Event Panel Assembly

ASSEMBLED PARTS LIST		
Part #	DESCRIPTION	QTY.
EF-7319-PNL	Ship Event Panel	1
EF-7319-TRMB	Ship Event Panel Bottom Trim	1
EF-7319-TRMO	Ship Event Panel Offset Trim	1
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	4
9333042	Washer Flat 3/8" x 7/8" O.D.	4
9345002	Washer Flat SAE 1/2"	4
9443022-TR	Nut Barrel 3/8" x 5/8" BH	4

PARTS LIST		
Part #	DESCRIPTION	QTY.
GF-7007	Mounting Lug R5	2
HS-1001-R5	Socket Clamp Set R5	2
9103102-TR	Bolt Button Head 3/8" x 2-1/4"	2
9103122-TR	Bolt Button Head 3/8" x 2-3/4"	2
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	6
9413002	Nut Lock 3/8"	2



Curved Event Panel Assembly

ASSEMBLED PARTS LIST		
Part #	DESCRIPTION	QTY.
EF-7319-TRMO	Ship Event Panel Offset Trim	1
EF-7320-PNL	Ship Event Panel Curved	1
EF-7320-TRMB	Ship Event Panel Curved Bottom Trim	1
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	4
9333042	Washer Flat 3/8" x 7/8" O.D.	4
9345002	Washer Flat SAE 1/2"	4
9443022-TR	Nut Barrel 3/8" x 5/8" BH	4

PARTS LIST		
Part #	DESCRIPTION	QTY.
GF-7007	Mounting Lug R5	2
HS-1001-R5	Socket Clamp Set R5	2
9103102-TR	Bolt Button Head 3/8" x 2-1/4"	2
9103122-TR	Bolt Button Head 3/8" x 2-3/4"	2
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	6
9413002	Nut Lock 3/8"	2

Below Deck Panel Assembly

ASSEMBLED PARTS LIST		
Part #	DESCRIPTION	QTY.
EF-7319-TRMB	Ship Event Panel Bottom Trim	1
Varies	Ship - Below Deck Panel	1
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	2
9333042	Washer Flat 3/8" x 7/8" O.D.	2
9345002	Washer Flat SAE 1/2"	2
9443022-TR	Nut Barrel 3/8" x 5/8" BH	2

PARTS LIST		
Part #	DESCRIPTION	QTY.
GF-7007	Mounting Lug R5	4
HS-1001-R5	Socket Clamp Set R5	4
9103102-TR	Bolt Button Head 3/8" x 2-1/4"	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	2
9345002	Washer Flat SAE 1/2"	2

Below Deck Curved Panel Assembly

ASSEMBLED PARTS LIST		
Part #	DESCRIPTION	QTY.
EF-0056-PNL	Ship Below Deck Panel Curved	1
EF-7320-TRMB	Ship Event Panel Curved Bottom Trim	1
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	2
9333042	Washer Flat 3/8" x 7/8" O.D.	2
9345002	Washer Flat SAE 1/2"	2
9443022-TR	Nut Barrel 3/8" x 5/8" BH	2

PARTS LIST		
Part #	DESCRIPTION	QTY.
GF-7007	Mounting Lug R5	4
HS-1001-R5	Socket Clamp Set R5	4
9103102-TR	Bolt Button Head 3/8" x 2-1/4"	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	2
9345002	Washer Flat SAE 1/2"	2

Porthole Panel Assembly

ASSEMBLED PARTS LIST		
Part #	DESCRIPTION	QTY.
EF-7318-PNL	Ship Porthole Panel	1
EF-7318-TRMB	Ship Porthole Panel Bottom Trim	1
EF-7318-TRMM	Ship Porthole Panel Mid Trim	1
EF-7318-TRMT	Ship Porthole Panel Top Trim	1
EF-7318-TRMW	Ship Porthole Panel Window Trim	2
EF-7318-WND	Ship Porthole Panel Window	2
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	18
9333042	Washer Flat 3/8" x 7/8" O.D.	18
9345002	Washer Flat SAE 1/2"	16
9443022-TR	Nut Barrel 3/8" x 5/8" BH	16
9453012	Nut Tee 3/8" Flat Sides (Roto)	2

PARTS LIST		
Part #	DESCRIPTION	QTY.
GF-7007	Mounting Lug R5	2
HS-1001-R5	Socket Clamp Set R5	2
9103112-TR	Bolt Button Head 3/8" x 2-1/2"	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	4
9345002	Washer Flat SAE 1/2"	2
9413002	Nut Lock 3/8"	2



Telescope Panel Assembly

Assembled Parts List		
Part #	DESCRIPTION	QTY.
EF-7318-TRMB	Ship Porthole Panel Bottom Trim	1
EF-7318-TRMM	Ship Porthole Panel Mid Trim	1
EF-7318-TRMW	Ship Porthole Panel Window Trim	2
EF-7318-WND	Ship Porthole Panel Window	2
EF-7322-PNL	Ship Telescope Panel	1
EF-7322-TRMLT	Ship Telescope Panel Lower Top Trim	1
EF-7322-TRMUT	Ship Telescope Panel Upper Top Trim	1
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	18
9333042	Washer Flat 3/8" x 7/8" O.D.	18
9345002	Washer Flat SAE 1/2"	16
9443022-TR	Nut Barrel 3/8" x 5/8" BH	16
9453012	Nut Tee 3/8" Flat Sides (Roto)	2

Parts List		
Part #	DESCRIPTION	QTY.
GF-7007	Mounting Lug R5	2
HS-1001-R5	Socket Clamp Set R5	2
9103112-TR	Bolt Button Head 3/8" x 2-1/2"	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	4
9345002	Washer Flat SAE 1/2"	2
9413002	Nut Lock 3/8"	2

Twister Panel Assembly

ASSEMBLED PARTS LIST		
Part #	DESCRIPTION	QTY.
EF-7318-TRMT	Ship Porthole Panel Top Trim	1
EF-7320-TRMB	Ship Event Panel Curved Bottom Trim	1
EF-7321-PNL	Ship Twister Panel	1
EF-7321-TRMO	Ship Twister Panel Offset Trim	1
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	8
9333042	Washer Flat 3/8" x 7/8" O.D.	8
9345002	Washer Flat SAE 1/2"	8
9443022-TR	Nut Barrel 3/8" x 5/8" BH	8

PARTS LIST		
Part #	DESCRIPTION	QTY.
GF-7007	Mounting Lug R5	6
HS-1001-R5	Socket Clamp Set R5	6
9103102-TR	Bolt Button Head 3/8" x 2-1/4"	2
9103112-TR	Bolt Button Head 3/8" x 2-1/2"	2
9143062-TR	Bolt Shoulder 3/8" x 1-3/8" BH	4
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	6
9345002	Washer Flat SAE 1/2"	4
9413002	Nut Lock 3/8"	2

NOTE: For Canada Assemblies, Panel and Trim Part #'s will have an additional 'C' added to the end of the suffix.

Specifications

PANELS:

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

PORTHOLE WINDOW:

Shall be fabricated using .118" thick polycarbonate.

HARDWARE:

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

SIT DOWN SIDE GUARD:

Shall be fabricated from 1.029" O.D. 14 gauge steel tubing welded to 10 gauge mounting tabs. Sit Down Side Guard shall have a multi-stage baked-on powder coat finish.

CANADA PARTS LIST		
Part #	DESCRIPTION	QTY.
FS-1316-CAN	Twister Sit Down Side Guard Canada	2
GF-7007	Mounting Lug R5	6
HS-1001-R5	Socket Clamp Set R5	6
9103032-TR	Bolt Button Head 3/8" x 3/4"	4
9103102-TR	Bolt Button Head 3/8" x 2-1/4"	2
9103112-TR	Bolt Button Head 3/8" x 2-1/2"	2
9143062-TR	Bolt Shoulder 3/8" x 1-3/8" BH	4
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	10
9345002	Washer Flat SAE 1/2"	8
9413002	Nut Lock 3/8"	2
9443022-TR	Nut Barrel 3/8" x 5/8" BH	4

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.



Manufactured by Krauss Craft, Inc.
www.playcraftsystems.com

For Customer Service Call
800.333.8519 (U.S.A.) or
541.955.9199 (International)

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