

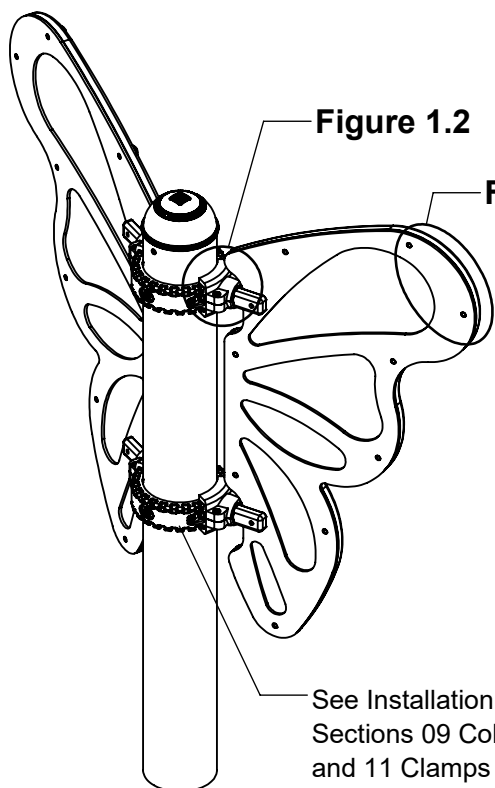
IMPORTANT NOTES: Read First

(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.

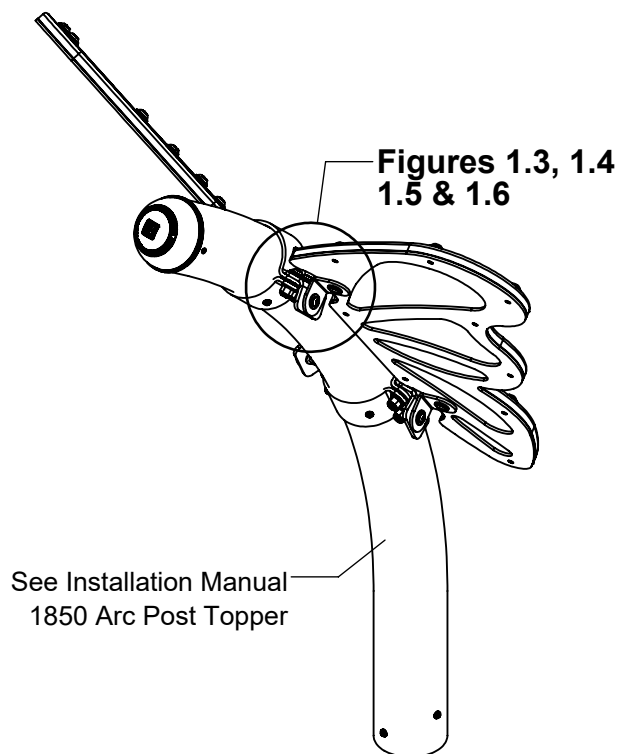
(B) Refer to Installation Manual for 09 Collars, 11 Socket Clamps, and 1850 Arc Post Topper installation instructions.

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

FIGURE 1
Butterfly Wings



R5 Butterfly Wings



R5 Butterfly Curved Topper

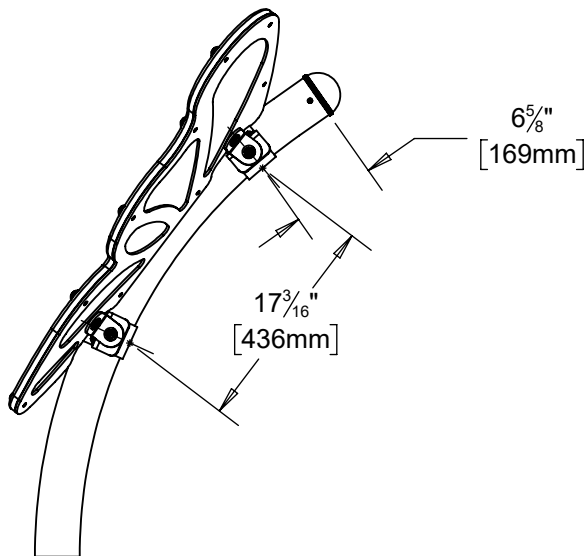
NOTE: R5 Butterfly and R5 Butterfly Curved Topper shown. Other configurations will vary slightly, but does not affect assembly.

Step 1

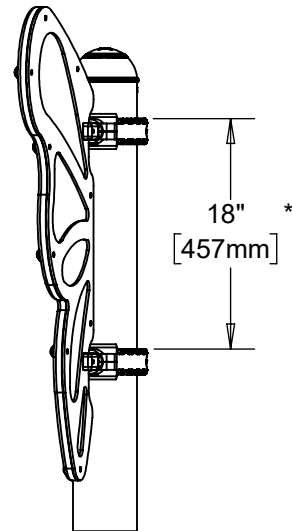
Locate and attach collars at heights shown in Elevation View. (See Note B)

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

Elevation View - Curved Post



Elevation View - Straight Post



Step 2 (Factory Assembled)

Attach Cover and Inserts to Wing as shown in Figure 1.1. (See Note A)

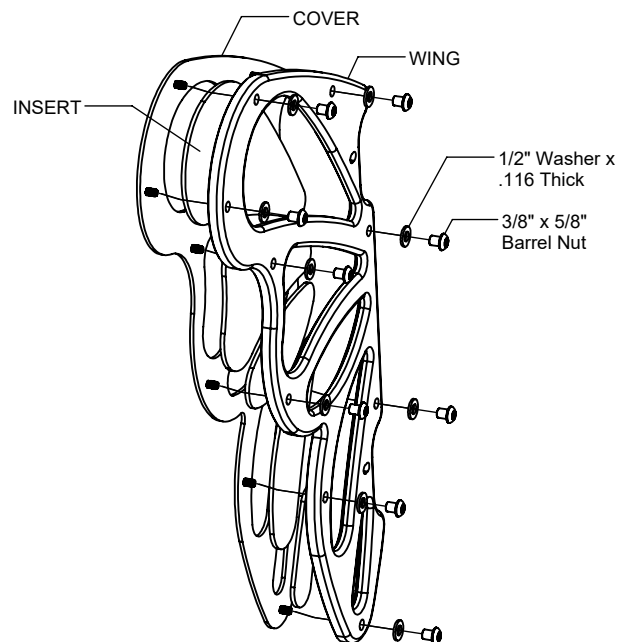


Figure 1.1

Step 3

For Straight Post Only

Attach Wings to Post as shown in Figure 1.2.
(See Notes A & B)

NOTE: R5 Mounting Lug shown, R35 Mounting Lug is similar.

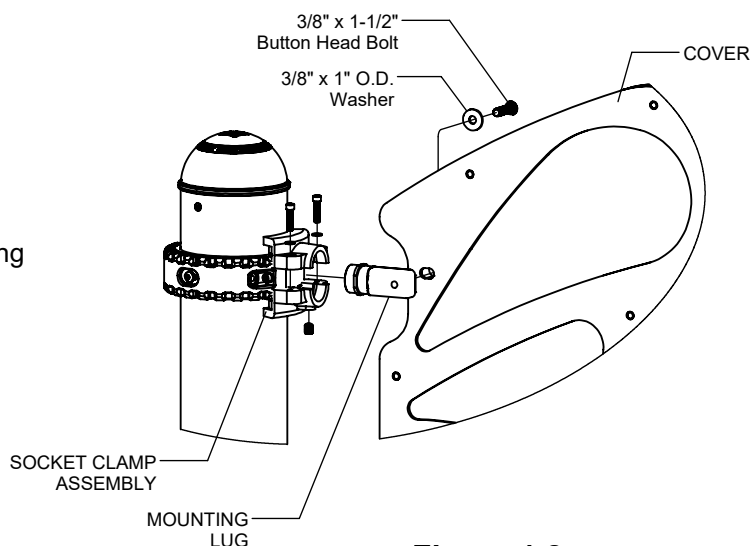


Figure 1.2

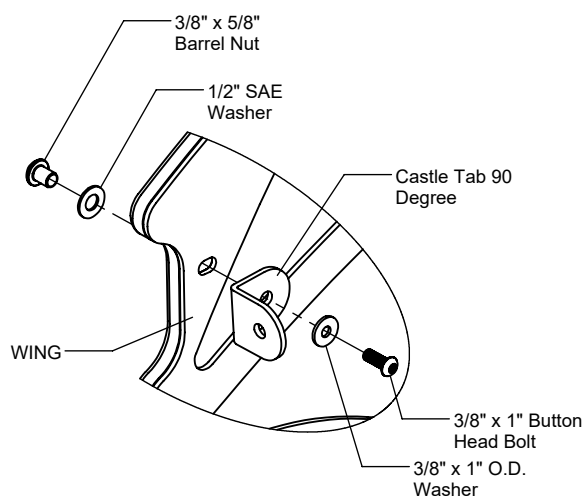


Figure 1.3

Step 4

For Curved Post Only

Attach Castle Tabs to Wing as shown in Figure 1.3. (See Note A)

NOTE: Leave loose for slight adjustments when attaching Wings to Curved Post.

Step 5

For Curved Post Only

Attach Butterfly Split Collar to Curved Post as shown in Figure 1.4. (See Note A)

NOTE: Tighten top Split Collar and leave bottom Split Collar loose for slight adjustments when attaching wing to curved post.

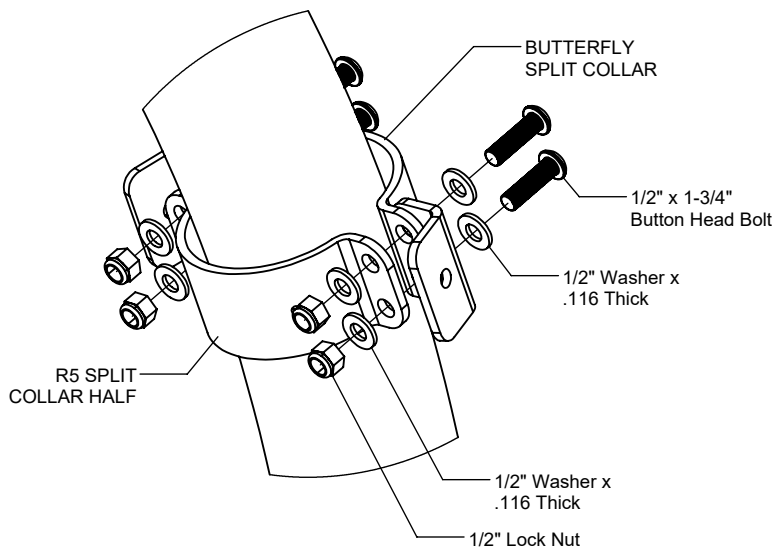


Figure 1.4

Step 6

For Curved Post Only

Attach Butterfly Wing to Post as shown in Figure 1.5. (See Note A)

Once both wings are fastened, tighten lower Split Collar.

NOTE: Depending on available assembly equipment, this connection may be assembled temporarily (without liquid thread lock) to complete Step 7, removed, and reassembled (with liquid thread lock) once the Arc Post Topper has been set on the designated post.

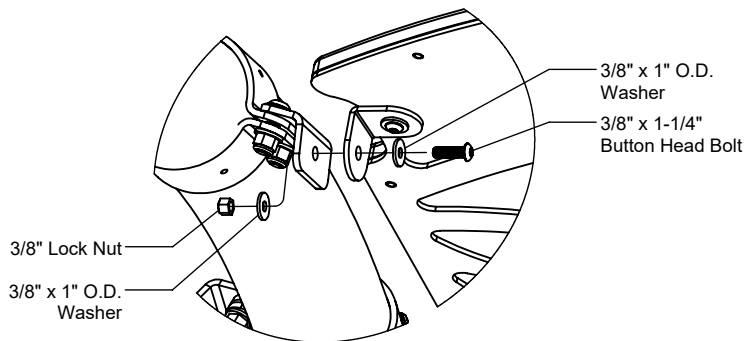


Figure 1.5

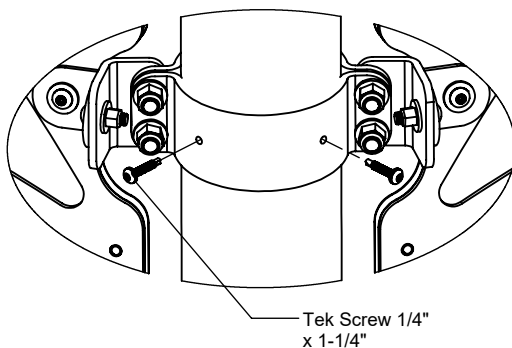


Figure 1.6

Step 7

For Curved Post Only

Secure Butterfly Split Collar to Curved Post as shown in Figure 1.6. (See Note A)

Step 8

For PC-1450-R5 & R35 Only

Afix Butterfly Phot Station Label to Post as shown in Figure 2.

Step 9

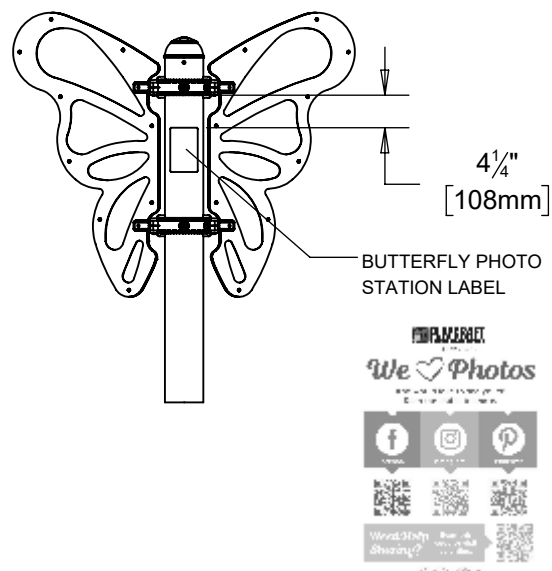
For Curved Post Only

Assemble Arc Post Topper as described in 1850 Arc Post Topper installation instructions. (See Note B)

NOTE: If Wings were temporarily removed after Step 7, reassemble Wings to Curved Post. (See Note A)

Step 10

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



BUTTERFLY WINGS

INSTALLATION INSTRUCTIONS

1851/PC-1450

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Parts List

S-1851-R5: BUTTERFLY WINGS R5

Part #	DESCRIPTION	QTY
GF-7007	Mounting Lug R5	4
HS-1001-R5	Socket Clamp Set R5	4
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	4
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	4

S-1851-R35: BUTTERFLY WINGS R35

Part #	DESCRIPTION	QTY
GG-8113	Mounting Lug R3.5	4
HS-1001-R35	Socket Clamp Set R3.5	4
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	4
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	4

S-1851-CRV-R5: BUTTERFLY CURVED TOPPER R5

Part #	DESCRIPTION	QTY
BE-7036-B90	Castle Tab 90 Degree	4
BF-7068	Split Collar Half R5	2
FS-1851-SCR5	Butterfly Split Collar R5	2
S-1850-R5	Arc Post Topper R5	1
9103052-TR	Bolt Button Head 3/8" x 1"	4
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	4
9105082	Bolt Button Head 1/2" x 1-3/4"	8
9271062-TR	1/4" x 1-1/4" Tek Screw	8
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	12
9335002	Washer Flat 1/2" (.116" thick)	16
9345002	Washer Flat SAE 1/2"	4
9413002	Nut Lock 3/8"	4
9415132	Nut Lock 1/2"	8
9443022-TR	Nut Barrel 3/8" x 5/8" BH	4

S-1851-CRV-R35: BUTTERFLY CURVED TOPPER R35

Part #	DESCRIPTION	QTY
BE-7036-B90	Castle Tab 90 Degree	4
BG-8133	Split Collar Half R3.5	2
FS-1851-SCR35	Butterfly Split Collar R35	2
S-1850-R35	Arc Post Topper R35	1
9103052-TR	Bolt Button Head 3/8" x 1"	4
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	4
9105082	Bolt Button Head 1/2" x 1-3/4"	8
9271062-TR	1/4" x 1-1/4" Tek Screw	8
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	12
9335002	Washer Flat 1/2" (.116" thick)	16
9345002	Washer Flat SAE 1/2"	4
9413002	Nut Lock 3/8"	4
9415132	Nut Lock 1/2"	8
9443022-TR	Nut Barrel 3/8" x 5/8" BH	4

PC-1450-R5: BUTTERFLY WINGS R5

Part #	DESCRIPTION	QTY
GF-7007	Mounting Lug R5	4
HS-1001-R5	Socket Clamp Set R5	4
372028	Butterfly Photo Station Label	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	4

PC-1450-R35: BUTTERFLY WINGS R35

Part #	DESCRIPTION	QTY
GG-8113	Mounting Lug R3.5	4
HS-1001-R35	Socket Clamp Set R3.5	4
372028	Butterfly Photo Station Label	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	4

Assembled Parts List

Part #	DESCRIPTION	QTY
EE-0702-L	Butterfly Wing Left	1
EE-0702-R	Butterfly Wing Right	1
EE-0703-1	Butterfly Wing Insert 1	2
EE-0703-2	Butterfly Wing Insert 2	2
EE-0703-3	Butterfly Wing Insert 3	2
EE-0703-4	Butterfly Wing Insert 4	2
EE-0703-5	Butterfly Wing Insert 5	2
FS-1851-L	Butterfly Wing Cover Left	1
FS-1851-R	Butterfly Wing Cover Right	1
9335002	Washer Flat 1/2" (.116" thick)	18
9443022-TR	Nut Barrel 3/8" x 5/8" BH	18



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Rev B
6/20/2023

Specifications

BUTTERFLY WINGS:

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

BUTTERFLY INSERTS:

Shall be made from 0.220" sheet PMMA.

BUTTERFLY WING COVERS:

Shall be made from 3/16" HR sheet steel and welded studs and will have a multi-stage baked-on powder coat finish.

BUTTERFLY SPLIT COLLARS & SPLIT COLLAR HALVES:

Shall be made from 1/4" HR sheet steel and will have a multi-stage baked-on powder coat finish.

CASTLE TAB 90 DEGREE:

Shall be made from 3/16" HR sheet steel and will have a multi-stage baked-on powder coat finish.

SOCKET CLAMPS & MOUNTING LUGS:

Shall be 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.