

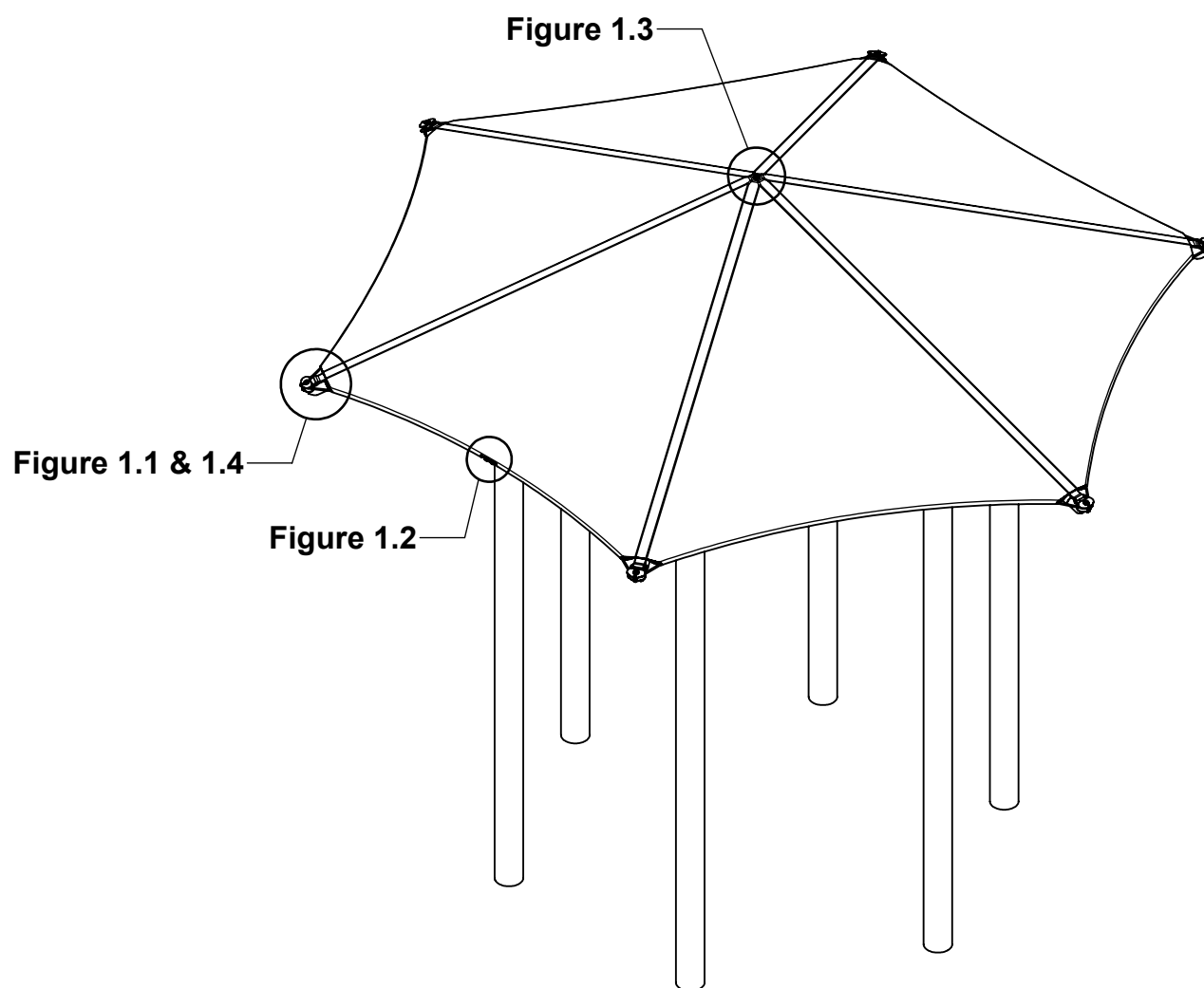
## IMPORTANT NOTES: Read First

(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) Remove canopy from Shade Canopy Roof in high wind and heavy snow conditions. Block protrusions while canopy is removed to maintain CPSC/ASTM compliance.

(C) When installing Shade Canopy Hex, make sure that the lowest point of the roof is a minimum of 84" [2130mm] above the underlying play surface.

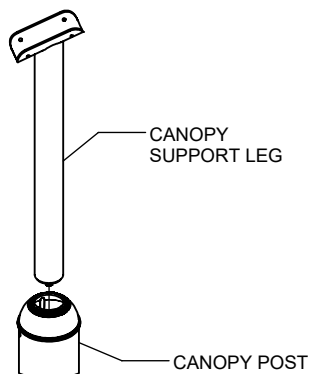
**FIGURE 1**  
Shade Canopy Hex



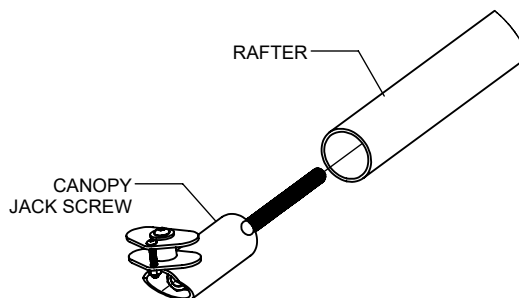
**NOTE:** R5 Shade Canopy Hex 14' shown. Other configurations will vary slightly, but does not affect assembly.

## Step 1 (Factory Assembled)

Attach Canopy Jack Screw to Rafter as shown in Figure 1.1.



**FIGURE 2**



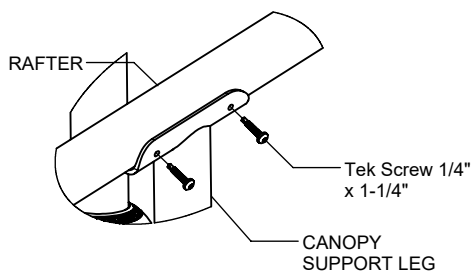
**Figure 1.1**

## Step 2

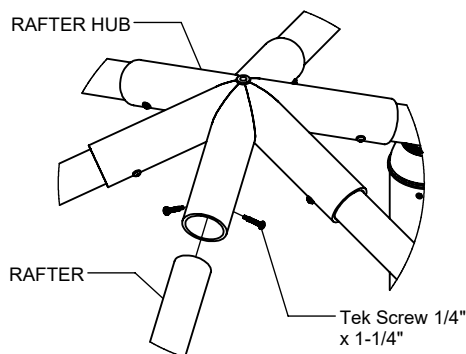
Attach Canopy Support Leg to Canopy Post as shown in Figure 2.

## Step 3

Attach Rafter to Rafter Hub as shown in Figure 3.



**FIGURE 4a**

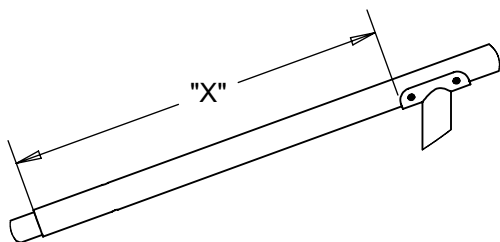


**FIGURE 3**

## Step 4

Attach Rafter to Canopy Support Leg as shown in Figure 4a.

**NOTE:** Refer to table for rafter overhang dimensions. See Figure 4b.



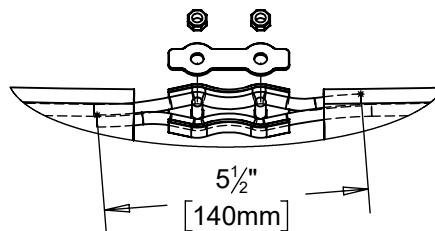
**FIGURE 4b**

### RAFTER OVERHANG

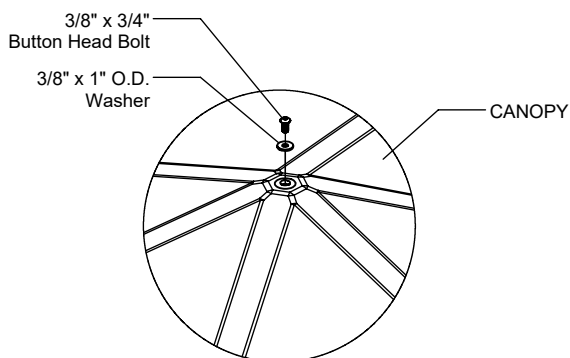
Canopy Version	DIM X
18026-R5 14'	31 13/16" [808mm]
18026-R5 18'	58 13/16" [1494mm]
18026-R35 14'	35" [889mm]
18026-R35 18'	62" [1575mm]

## Step 5

Slide Canopy Cable into Canopy and attach Canopy Cable to Cable Clamp as shown in Figure 1.2. (See Note A)



**Figure 1.2**



**Figure 1.3**

## Step 6

Attach Canopy to Rafter Hub as shown in Figure 1.3. (See Note A)

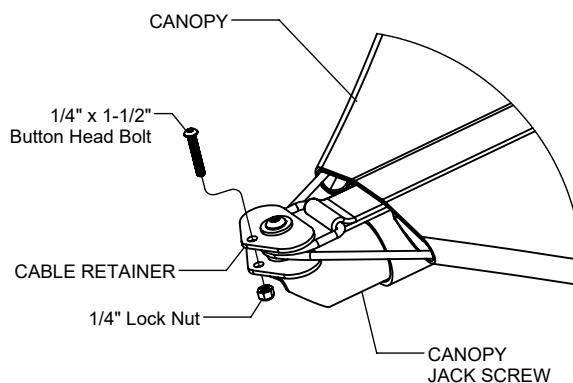
## Step 7

Rotate Cable Retainer sliding Cable and D-Ring over and secure with pre-installed 1/4" Button Head bolt as shown in Figure 1.4. (See Note A)

**NOTE:** Use Jack Screws to adjust tension evenly to Canopy.

## Step 8

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



**Figure 1.4**

# SHADE CANOPY HEX INSTALLATION INSTRUCTIONS

**18026**  
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## Parts List

14' CANOPY		
Part #	DESCRIPTION	QTY
FS-18022-LEG	Roof Canopy Support Leg	6
FS-18026-HUB	Roof Canopy Hex Rafter Hub	1
HE-1063-14	Roof Canopy Hex 14'	1
HE-1063-14C	Roof Canopy Hex 14' Cable	1
451003	1/4" Wire Cable Clamp	1
9103032-TR	Bolt Button Head 3/8" x 3/4"	1
9271062-TR	1/4" x 1-1/4" Tek Screw	36
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	1

18' CANOPY		
Part #	DESCRIPTION	QTY
FS-18022-LEG	Roof Canopy Support Leg	6
FS-18026-HUB	Roof Canopy Hex Rafter Hub	1
HE-1063-18	Roof Canopy Hex 18'	1
HE-1063-18C	Roof Canopy Hex 18' Cable	1
451003	1/4" Wire Cable Clamp	1
9103032-TR	Bolt Button Head 3/8" x 3/4"	1
9271062-TR	1/4" x 1-1/4" Tek Screw	36
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	1

## Assembled Parts List

14' CANOPY		
Part #	DESCRIPTION	QTY
FS-18022-JAC	Roof Canopy Jack Screw	6
FS-18026-RAF14	Roof Canopy Hex Rafter 14'	6

18' CANOPY		
Part #	DESCRIPTION	QTY
FS-18022-JAC	Roof Canopy Jack Screw	6
FS-18026-RAF18	Roof Canopy Hex Rafter 18'	6

**NOTE:** (1) 1/4" x 1-1/2" Button Head Bolt and (1) 1/4" Lock Nut will be factory assembled in each Canopy Jack Screw (FS-18022-JAC) and will have to be removed to complete Step 7.

## Specifications

### ROOF CANOPY JACK SCREW:

Shall be fabricated using 2"O.D.10ga Tube steel, 1" HR round bar, 10ga stainless steel, 10ga HR sheet steel and AISI 304 stainless steel and will have a multi-stage baked-on powder coat finish.

### ROOF CANOPY SUPPORT LEG:

Shall be fabricated using 2.5" sch 40 pipe, 2.375"O.D. 10ga galvanized T.S. and 3/16" HR sheet steel and will have a multi-stage baked-on powder coat finish.

### ROOF CANOPY HEX RAFTER HUB:

Shall be fabricated using 2.5" sch 40 pipe, 3/8" 1/2" weld nut and 1/2" hex nut and will have a multi-stage baked-on powder coat finish.

### ROOF CANOPY HEX RAFTER:

Shall be fabricated using 2.375"O.D. 10ga galvanized T.S. and 1/2" HR sheet steel 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.



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