

# PRODUCT MANUAL



If YOU can IMAGINE it... WE can BUILD it

# CANOPY JACK LITE

Thank you for your recent purchase from Aztec Tents. The following procedures will help you through your installation. If you ever run into problems with the installation of your Aztec Tent product give one of our sales/service professionals a call. Other product specific information, contact information, diagrams, and other operational support is available on our web site at [www.aztectent.com](http://www.aztectent.com).

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## Important Safety Information

Proper personnel safety equipment should be worn at all times during the installation of any tenting products.

Hard Hat

Safety Glasses

Work Gloves

Long Pants

Steel Toe Boots

OSHA Approved Harness and restraint system (for off ground activities)



### Questions? Call us.

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V.09162024

 **WARNING**

Improper use of this product or exceeding the allowable lifting capacity can result in product failure leading to injury or death.

# Care & Maintenance

The components developed for this tent accessory require specific attention during installation, cleaning and storage to maintain its maximum life span. Please abide by the following care and maintenance guidelines provided for this product.

**OXIDATION:** The hardware components for this product have been supplied to you with specialty coatings to help limit oxidation. With usage, these coatings will need to be maintained in order to limit oxidation and for the product reach its full intended lifespan. With plated or powder coated steel components, any rust should be removed immediately with a stiff wire brush and sprayed with either a galvanizing spray or durable paint to seal the steel from the elements. Anodized aluminum components will get scratched over time and these scratched areas can develop a thin black oxidation common with mill finish aluminum. This black oxidation can cause staining to any fabric components that come in contact with the pole/component. Your best preventative measure will be to avoid scratching of the anodized coating by avoiding any sharp edges that might come in contact with the aluminum member.

**HARDWARE CLEANING:** It is very important to keep your hardware components clean and free of dirt, oxidation and other chemicals especially if those hardware components come into contact with any fabric components during installation, use, or take-down of your product. Any dirt, oxidation or chemical on the surface of the hardware member can transfer the contaminant to the fabric causing permanent staining or permanent damage to the fabric membrane. If hardware components are found to be soiled, wipe down immediately to remove the foreign matter.

**WEBBING CARE:** Although we use high quality thread and webbing for all of our sewn jack straps, ultraviolet light from the sun will slowly breakdown these fibers over time. Chemicals, cleaners or other products should not be used on webbing tie-down components as its use might accelerate this aging process. Damaged, abraded, cut or frayed straps should never be used. Additionally, these straps should never be used for other tie-down applications other than the jack operation for which they are designed (i.e. securing equipment on a pallet, truck, or trailer). Straps should be tested periodically to assure that they meet the intended working load for their design. Straps shall expire 5 years from the date of their manufacture (noted on the item tag) and shall not be used.

**STORAGE RECOMMENDATIONS:** The items for this system shall be stored indoors away from any direct sunlight, in a cool, dry place.

**INSPECTION:** Prior to and after each use, each component of the tent system needs to be thoroughly inspected to assure its structural stability has not been compromised. Hardware components that are bent, cracked, frayed, or damaged shall be immediately replaced and not used.

## General Usage Guidelines

Each component of the tent should be inspected by the installer at the beginning and end of use for visual signs of damage. All damaged materials should be repaired or replaced immediately.

Check for any overhead obstructions that might interfere with the jack operation. Do not install any tent within 50' of any overhead utilities, power lines or other obstructions. Installation under or within close proximity to trees should be avoided.

The weather should be carefully considered by the Owner and/or the Installer before using this jack system. It is recommended that raising or lowering tents with this jack system be performed when the wind speed is less than 15 mph. The decision to raise or lower the fabric of the tent should be the responsibility of the experienced tent installer based upon conservative life safety considerations and judgement.

Always install tent anchoring before lifting your frame. At all times during lifting, the tent should be secured to the anchoring system.

This jack system is designed to be used with multiple jacks where each jack can properly support the frame as it is lifted. Failure to follow these instructions can put undo pressure on the jack and/or the tent frame causing bending, breaking and potential failure.

- Use one jack at each corner and one jack at each intermediate leg along the length of the frame.
- When lifting tent frames over 20' in width, use an additional jack on each end to support the frame as it is lifted
- Jack spacing should not be more than 20' between jacks.
- Always raise/lower the multiple jacks in unison. The load of the tent being lifted should be equally distributed between all jacks be used.

**MAXIMUM LIFTING CAPACITY OF THIS JACK SYSTEM IS 100LBS**

**DAMAGE TO THE JACK SYSTEM AND/OR FRAME COMPONENTS FROM IMPROPER USE IS NOT COVERED UNDER WARRANTY.**

## Tools Required for Assembly

Wrench	9/16" Combination Wrench
Wrench	9/16" Socket Wrench

# Canopy Jack Lite Loading Estimator

## MAXIMUM LIFTING CAPACITY OF THIS JACK SYSTEM IS 100LBS

DAMAGETO THE JACK SYSTEM AND/OR FRAME COMPONENTS FROM IMPROPER USE IS NOT COVERED UNDER WARRANTY

Size	Aztec Tents Product Line	Frame Construction	Leg Spacing	Total Legs	Jacks Used	Load per Jack	Note
20x40 Hip	Traditional/Qwik Frame	2" OD Alum. Tube	10'	12	5	50	OK
30x45 Hip	Traditional/Qwik Frame	2" OD Alum. Tube	15'	10	4	98	OK
40x60 Hip	Traditional/Qwik Frame	2" OD Alum. Tube	10'	20	7	101	Overloaded
20x20	Festival CAN Frame	2.5" OD Alum. Tube	20'	4	2	60	OK
20x30	Festival CAN Frame	2.5" OD Alum. Tube	20'/15'	6	3	65	OK
20x40	Festival CAN Frame	2.5" OD Alum. Tube	20'	6	3	77	OK
30x30	Festival CAN Frame	2.5" OD Alum Tube	15'	8	3	95	OK
20x20	Festival Frame	Jumbo 2" x 4" Tube	20'	4	2	87	OK
20x30	Festival Frame	Jumbo 2" x 4" Tube	20'/15'	6	3	95	OK
20x40	Festival Frame	Jumbo 2" x 4" Tube	20'	6	3	110	Overloaded
20x40 Gable	JT Lite JTE Frame	JTL, JTE, and 2" OD Alum. Tube	10'	12	5	80	OK
30x45 Gable	JT Lite JTE Frame	JTL, JTE, and 2" OD Alum. Tube	15'	10	4	126	Overloaded
20x40 Hip	JT Lite JTE Frame	JTL, JTE, and 2" OD Alum. Tube	10'	12	5	67	OK
30x45 Hip	JT Lite JTE Frame	JTL, JTE, and 2" OD Alum. Tube	15'	10	4	120	Overloaded
20x40 Gable	Jumbotrak	JT3 & JT1 Alum. Tube	20'	6	3	164	Overloaded
30x40 Gable	Jumbotrak	JT3 & JT1 Alum. Tube	15'/10'	8	3	218	Overloaded
40x60 Gable	Jumbotrak	JT3 & JT1 Alum. Tube	20'	10	4	259	Overloaded
50x60 Gable	Jumbotrak	JT3 & JT1 Alum. Tube	10'/15'	16	5	304	Overloaded
20x40 Hip	Jumbotrak	JT3 & JT1 Alum. Tube	10'/20'	8	4	118	Overloaded
30x40 Hip	Jumbotrak	JT3 & JT1 Alum. Tube	15'/10'	10	4	158	Overloaded
40x60 Hip	Jumbotrak	JT3 & JT1 Alum. Tube	20'	10	4	270	Overloaded
50x60 Hip	Jumbotrak	JT3 & JT1 Alum. Tube	15'/10'	18	4	355	Overloaded

# Canopy Jack Lite | Assembly



**STEP 1:** Attach the three (3) removable feet to the Canopy Jack Lite Base.



**STEP 2:** Attach the winch mechanism to the Canopy Jack Lite Base using the following: 3 each 3/8" x 1" Hex Bolt, 6 each 3/8" Washer, 3 each 3/8" Locking Hex Nut. To tighten this connection you will need a wrench and socket (Size 9/16").



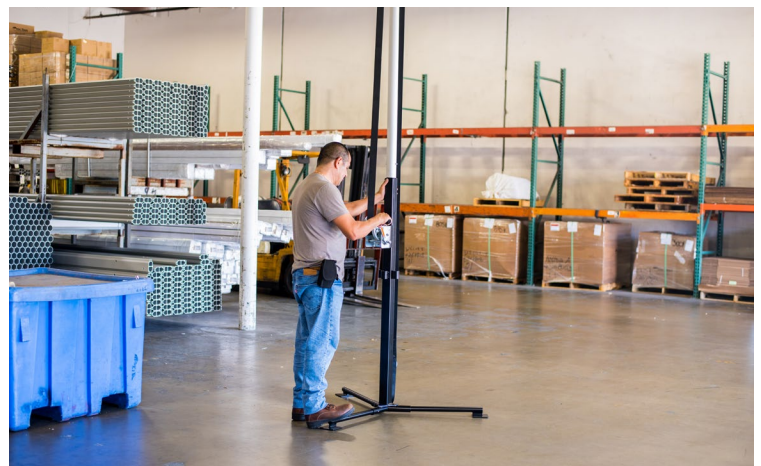
**STEP 3:** Uncoil the Canopy Jack Strap and attach the looped end to the bolt on the web winch. Again you will need a wrench and socket to tighten. Advance the winch to load the strap onto the winch spool. Leave enough slack to allow the webbing to pass to the top and back down to the bottom of the jack.



**STEP 4:** Pass the hook end of the Canopy Jack Strap through the Canopy Jack Lite Top Roller. The webbing should sit on top of the two silver rollers then pass back out the other side. Make sure there are no twists in the webbing leaving the winch to the top roller.

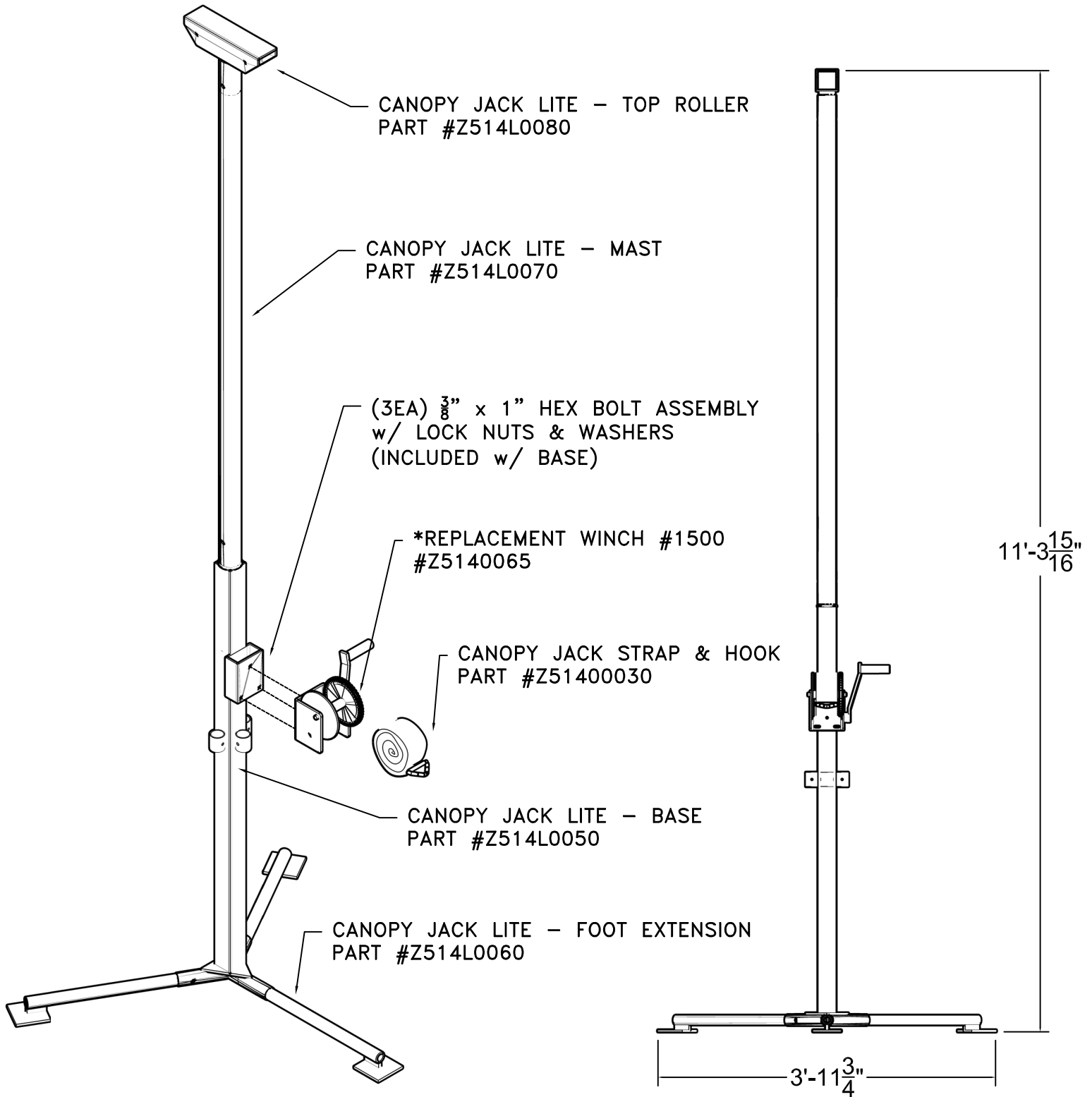


**STEP 5:** Install the aluminum mast to the top of the base and connect the top roller to the top of the mast. These connections lock into place with a side release push button. Assure as you assemble that the webbing continues to stay straight without twists.



**STEP 6:** Tilt the jack back upward so it now rests on all three feet. Your Canopy Jack Lite is ready to use. Refer to operating instructions.

# Canopy Jack Lite Assembly Details



# Canopy Jack Lite | Operating Instructions

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## OPERATION GUIDELINES:

The weather should be carefully considered by the Owner and/or the Installer before using this jack system. It is recommended that raising or lowering tents with this jack system be performed when the wind speed is less than 15 mph. The decision to raise or lower the tent should be the responsibility of the tent installer based upon conservative life safety considerations and judgement.

Always install tent anchoring before lifting your frame. At all times during lifting, the tent should be secured to the anchoring system.

This jack system is designed to be used with multiple jacks where each jack can properly support the frame as it is lifted. Failure to follow these instructions can put undo pressure on the jack and/or the tent frame causing bending, breaking and potential failure.

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- When lifting tent frames over 20' in width, use an additional jack on each end to support the frame as it is lifted
- Jack spacing should not be more than 20' between jacks.
- Always raise/lower the multiple jacks in unison. The load of the tent being lifted should be equally distributed between all jacks being used.

## MAXIMUM LIFTING CAPACITY OF THIS JACK SYSTEM IS 100LBS

DAMAGE TO THE JACK SYSTEM AND/OR FRAME COMPONENTS FROM IMPROPER USE IS NOT COVERED UNDER WARRANTY.

## OPERATION DETAILS:

Position assembled jack perpendicular to the frame being lifted. The canopy jack strap shall drop down directly from the Canopy Jack Lite Top Roller to the pickup point on the frame. There should be no twists in the strap nor should it pull at an angle from the Top Roller.

The jack system should be positioned so the two (tent-facing) feet extend under the eave pipe of the frame tent and the bottom of the mast is positioned no more than 6" from the edge of the tent frame.

The Canopy Jack Strap hook can be attached directly to the tent fitting or used in conjunction with the loop and pear shaped ring to wrap around the tent fitting. DO NOT pick the frame up from the center of the perimeter or eave pipe. Instead, always pick a point at or within 12" of the fitting.

Jack Operator shall stand on the outward pointing leg when lifting and lowering the frame. This prevents the operator from standing under the frame during use. This is also the best ergonomic position to operate the jack. The Operator shall not leave the jack unattended when a load is being supported.

The winch system of this jack requires the operator to crank up and crank down the load. There is no reverse switch. Simply crank forward to raise the load, and backward to lower the load.

Raise one side of the tent at a time and install legs on that side of the tent. Disconnect jacks to reposition on the other side of the tent to raise other side of the tent. Install the legs, disconnect the jacks and readjust tension on tent tiebacks. Follow in reverse order to lower the tent.

# Canopy Jack Lite Parts Images



Canopy Jack Lite w/ Feet | 11'



\*Canopy Jack Lite | Base



\*Canopy Jack Lite | Foot Ext.



\*Replacement Winch #1500



\*Canopy Jack Strap & Hook



\*Canopy Jack Lite | Top Roller

## Canopy Jack Lite Replacement Parts

Replacement Parts	Item Number
Canopy Jack Lite w/ Feet   11'	Z514L0010
*Canopy Jack Lite   Base	Z514L0050
*Canopy Jack Lite   Foot Extension	Z514L0060
*Canopy Jack Lite   Mast	Z514L0070
*Canopy Jack Lite   Top Roller	Z514L0080
*Webbing Roller 2" Plated	Z514000751
*Replacement Winch #1500 (Only)	Z51400065

Replacement Parts	Item Number
*Canopy Jack Strap & Hook-Blk	Z51400030
Push Button "V" 3/8"	Z298F00320
Push Button "V" 1/4"	Z39900273
3/8"-16 x 1.0" Hex Bolt GR2 Zinc	Z6330.375HX01.0GR2Z
3/8"-16 x 4.0" Hex Bolt GR2 Zinc	Z6330.375HX04.0GR2Z
3/8"-16 Hex Lock Nut GR5 Zinc	Z6330.375NZGR5LOCK
3/8" Flat Washer Zinc	Z6330.375WZ



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