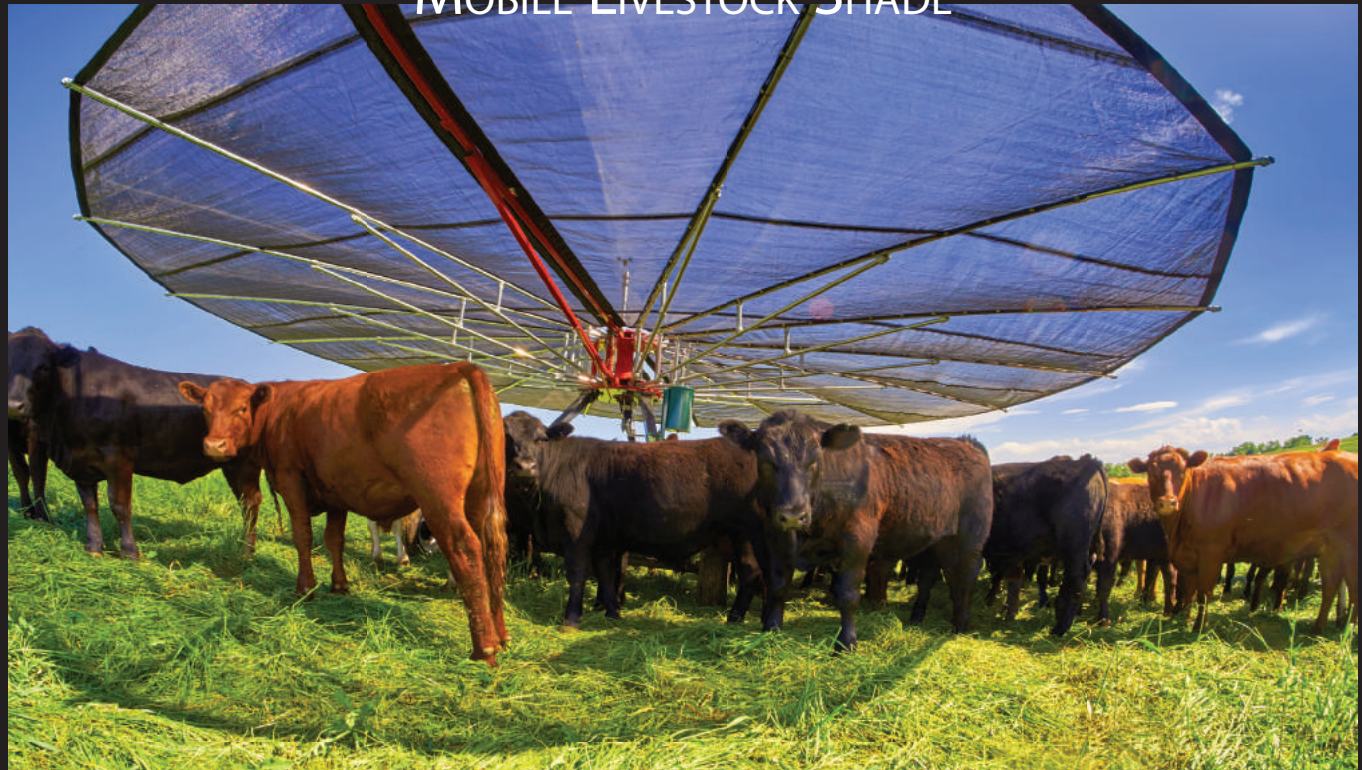
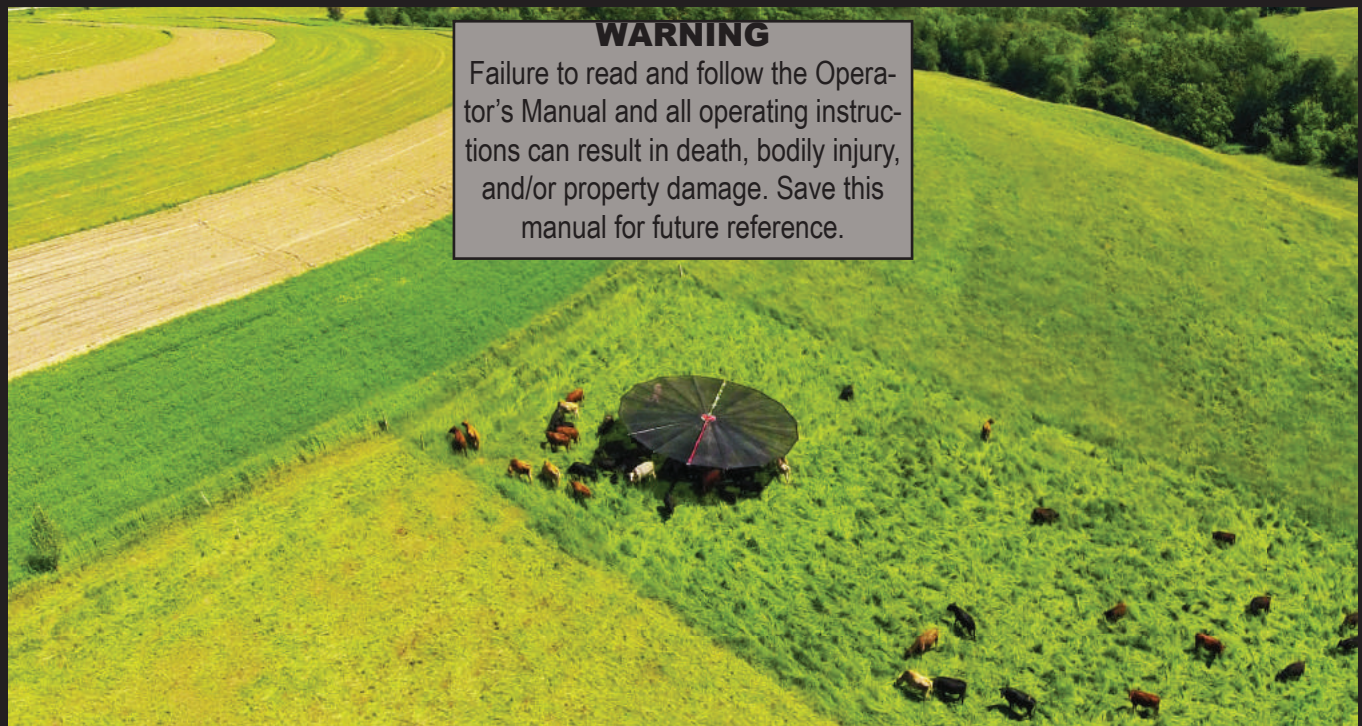


SHADE HAVEN®

MOBILE LIVESTOCK SHADE



Shade Haven® Model SH1200 & SH600 OPERATOR'S MANUAL



WARNING

Failure to read and follow the Operator's Manual and all operating instructions can result in death, bodily injury, and/or property damage. Save this manual for future reference.

INTRODUCTION

Thank You for Purchasing a Shade Haven® Mobile Livestock Shade!

We appreciate your business and wish you many years of safe comfort from the heat of the sun for you and your livestock.

Using Your Operator's Manual

This manual is important to understanding the basic operations of the Shade Haven® mobile livestock shade. Following the instructions for general use, transport, and storage will help ensure safe use of the Shade Haven®, prevent damage to the device, and help maintain its function through its useful life.

The Shade Haven® mobile livestock shade is designed for both field use and highway transport. There is a tow hitch for highway transport and a dolly attachment for field transport. Please ensure that you have the correct transport attachment for the field or the highway.

As an agricultural piece of equipment you may need an oversize permit when transporting the Shade Haven® on state highways. Check your state's DOT oversize/overweight limits, or call your local State Patrol Enforcement, to determine if you need a permit to transport the Shade Haven® mobile livestock shade before using on the highway.

The Shade Haven® SH1200 mobile livestock shade has an overall width of 102" from hub face to hub face, overall length of 26' (when towing in collapsed position), and a height of 9'6" from ground level to the highest point. The SH600 has an overall width of 90" and overall length of 24'4" when collapsed for towing. Tow height of the SH600 is 9'.

When deployed the Shade Haven® SH1200 shades an area of over 1200 square feet, enough to cover a herd of 50-60 cattle at one time. The SH600 provides 600 square feet of shade for up to 30 cattle.

Operating instructions in this manual are applicable to both models. Review the table of contents for all operating instructions and do not hesitate to contact a Shade Haven® representative if you have any specific questions.

Thank you and don't forget to review all the safety messages before operating the Shade Haven® mobile livestock shade.

PRODUCT IDENTIFICATION

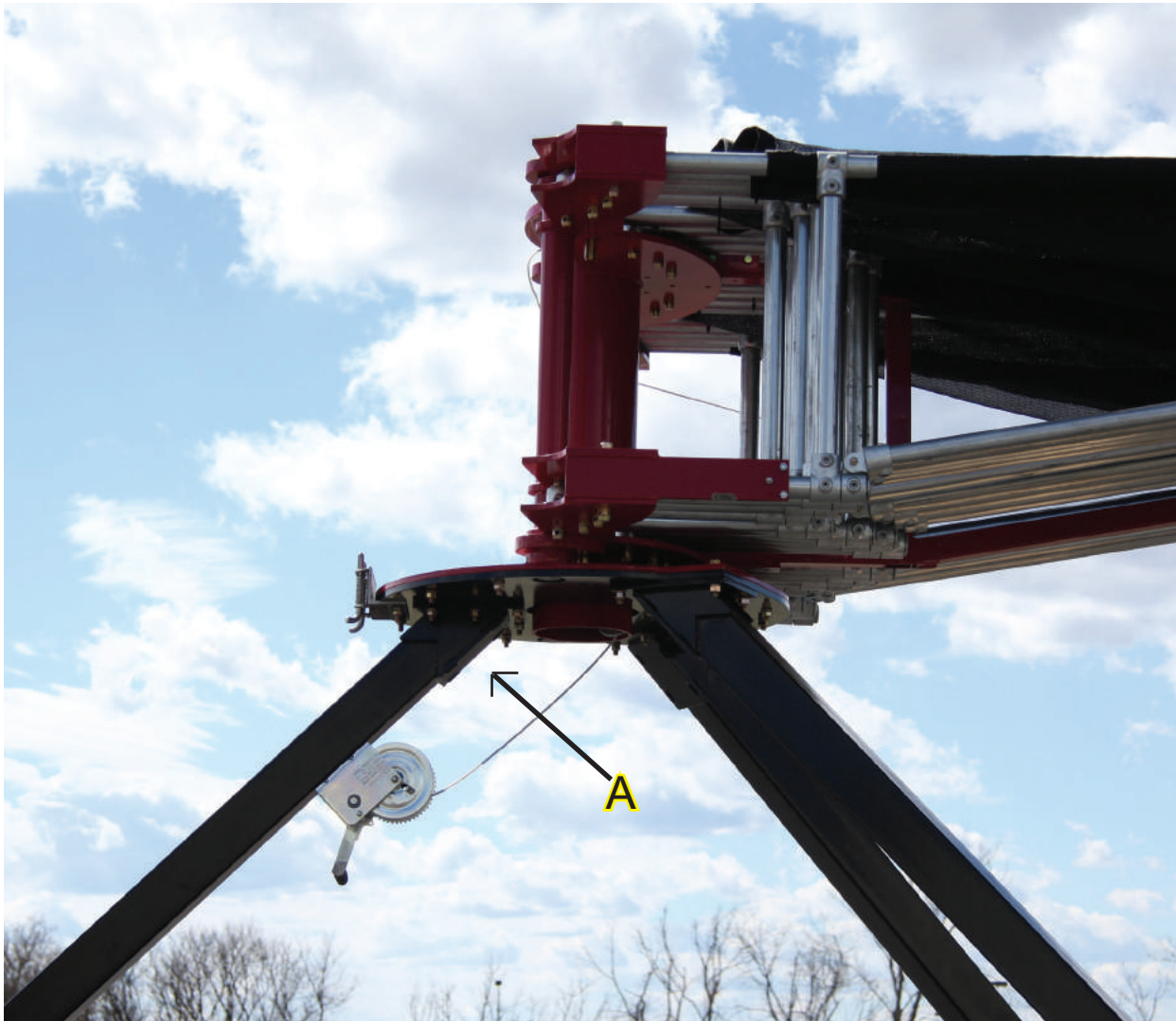
Locate Product Identification Numbers and Record Below

(A)

Date Purchased or Mfg Date: _____

Model: _____

Serial Number: _____



Product Identification

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SAFETY

Review Potential Safety Hazards When Operating the Shade Haven®

TO PREVENT ROLLOVER AND RUNAWAY MACHINE:

During field transport ensure the dolly and dolly tow hitch are properly assembled and attached to a vehicle to prevent runaway of the machine or rollover. It is recommended to not exceed 5 mph on rough or sloped terrain or 10 mph on level ground when in the field transport mode. CHOCK or anchor the wheels to prevent runaway in the field.

For heavier vehicle transport of the mobile shade the heavy duty tow hitch can be used instead of the dolly or if the terrain is not suitable for dolly use. Ensure that the towing vehicle can carry 800lbs of tongue weight and has a towing capacity of at least 3000lbs.

DO NOT transport device when ice is present on the roadway.

DO NOT transport device on side slopes greater than 25 degrees to prevent risk of rollover.

TO PREVENT PERSONAL INJURY AND/OR PROPERTY DAMAGE:

In addition to following all other safety procedures: when assembling the tow or dolly hitch use the outriggers to raise or lower the structure and DO NOT place fingers or other body parts between moving parts.

When deploying the shade canopy ensure that the wheels are chocked and outriggers are deployed.

Make sure there is adequate space between buildings, trees, and other tall obstacles when deploying the shade canopy to prevent damage to the Shade Haven®, livestock, and other property.

DO NOT deploy the device if wind speeds exceed 35 mph. COLLAPSE the shade canopy if wind speeds exceed 35 mph to prevent damage to the canopy.

Properly store the Shade Haven® during long periods or during winter to prevent damage to the structure and materials. Use of transport assembly is recommended for extended periods of storage.

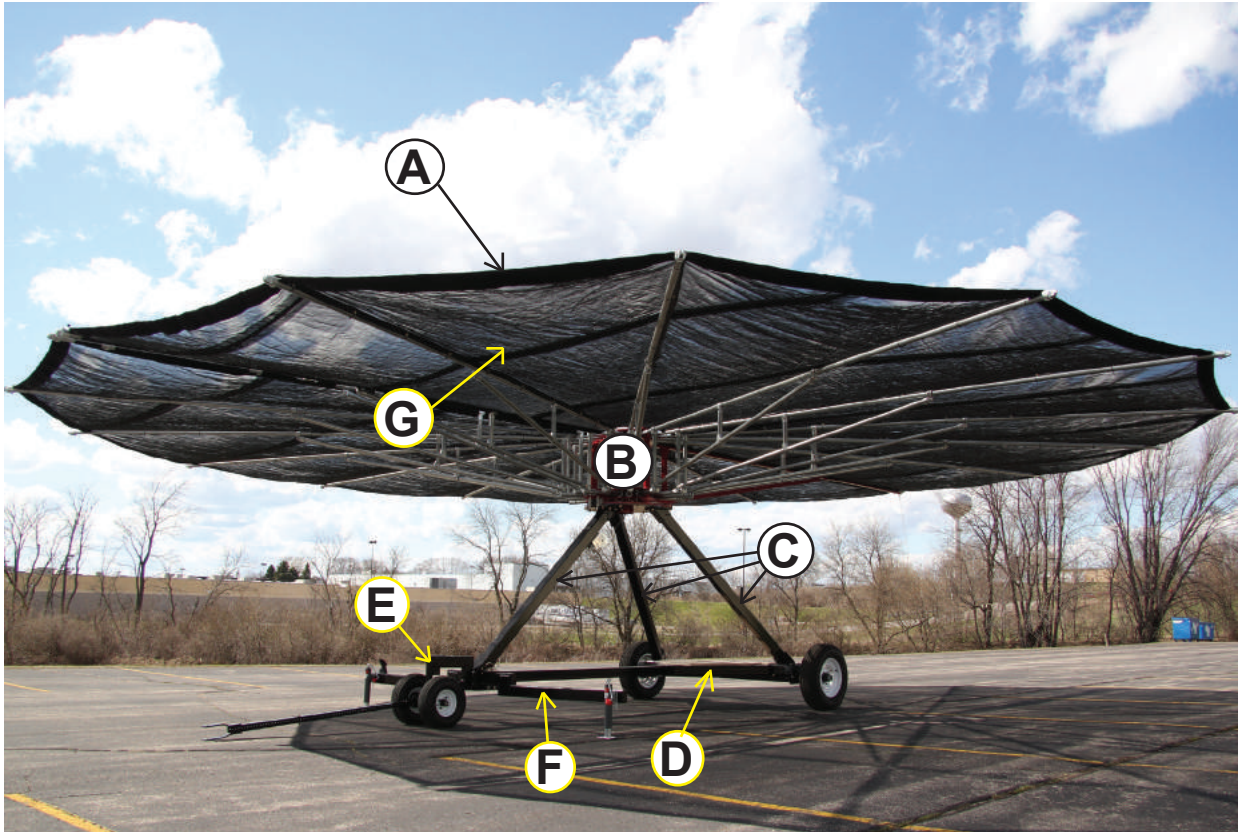
DO NOT LOAD MORE THAN 2,500LBS ON TOP OF TRAILER PLATFORM

ASSEMBLY

The Shade Haven® mobile livestock shade requires some assembly before use. Please refer to the attached documents for unpacking instructions and assembly instructions. Please refer to the Operating instructions for the Field Transport Mode for additional information on assembly and operating instructions.

For all imports please ensure that your container(s) are in good condition and are sealed, report any damaged parts or goods to our Customer Service at 1-855-247-4233.

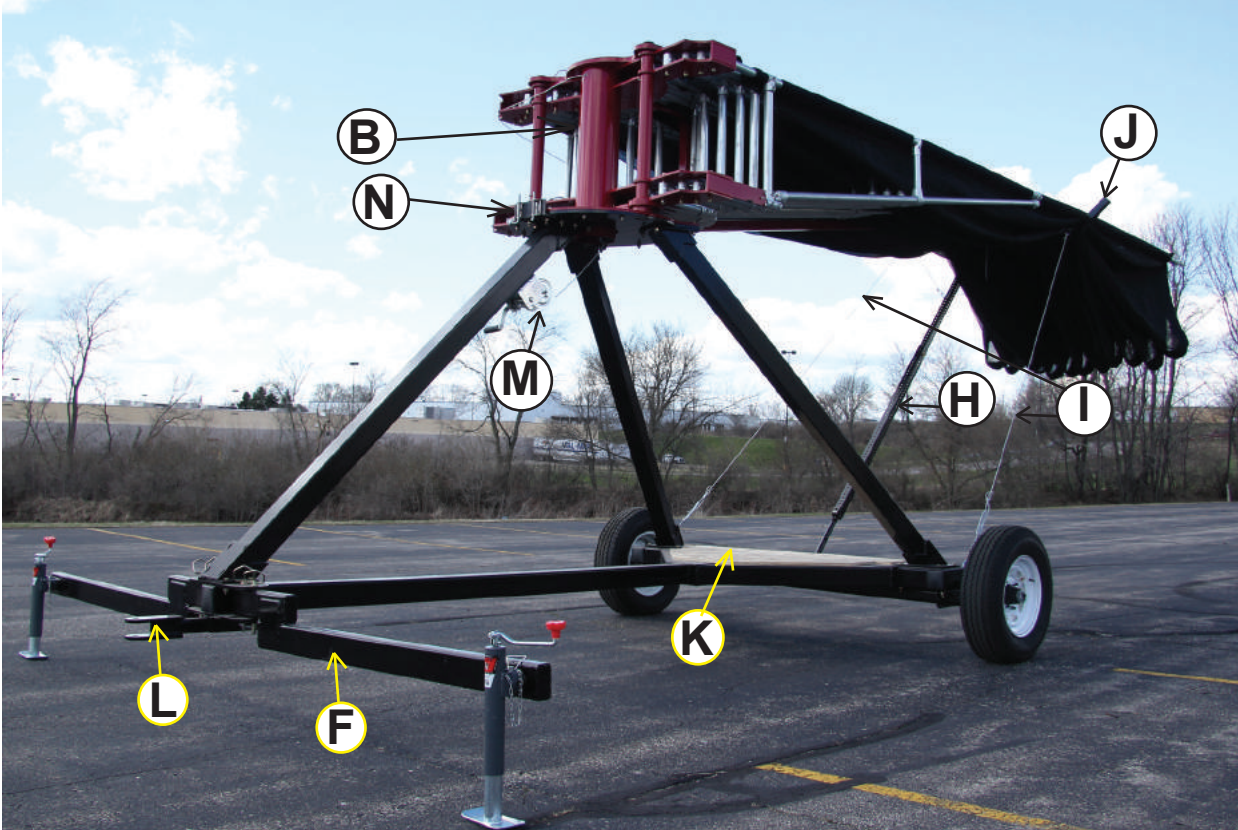
OPERATING



Study the illustration above to familiarize yourself with its components and their locations. Deployed Shade Haven® shown above.

- (A) **Shade Canopy** — 80% polyethylene knit shade cloth attached to 16 truss arms
- (B) **Deployer Hub** — connects all the arms to the triangular leg frame
- (C) **Triangular Leg Frame** — Mounts the deployer hub to the trailer base
- (D) **Trailer Base** — Connects the structure to an easily transported trailer with axle and tow hitch
- (E) **Dolly** — Used for field transport with an ATV or tractor and fitted with an extendable hitch
- (F) **Outriggers** — Used to stabilize the structure in steep terrain or windy conditions
- (G) **Truss Arms** — Support the Shade Canopy.

OPERATING



Study the illustration above to familiarize yourself with its components and their locations. Shade Haven® depicted above is in the collapsed mode or ready for long term storage*.

(H) § Support Arm — Extendable reach arm that connects the trailer base and support brace.

(I) § Support or stay cables — Cable and turnbuckle assembly that stabilizes the truss arms by attaching the ends of the support brace to the trailer base

(J) Support brace — Brace that keeps all the truss arms collected and from moving

(K) Trailer Platform — Platform that covers the rear of the trailer base and can be used to mount accessories

(L) Towing hitch — Used for highway transport with a vehicle

(M) Windlass — Used to open the Shade Haven® canopy

(N) Latch pins — Assist in the deployment of the canopy

*For long term storage, it is recommended to use the dolly attachment.

§ The Support Arm and Support cable are accessories and are no longer included or necessary

OPERATING

Field Transport Mode Instructions

Before using the Shade Haven® mobile livestock shade in the field some assembly is required. The front Dolly should be attached to allow for easy transportation with an ATV or tractor.

Disconnecting the Heavy Duty Tow Hitch

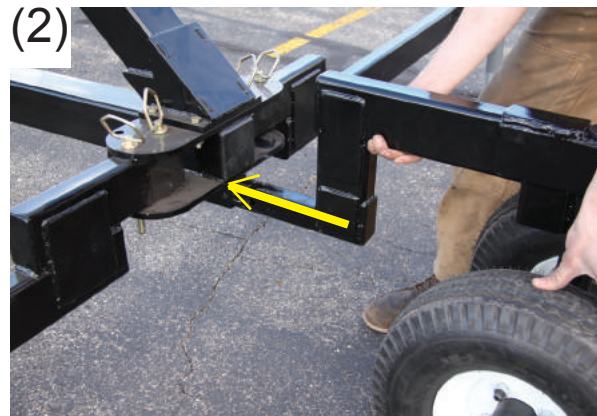
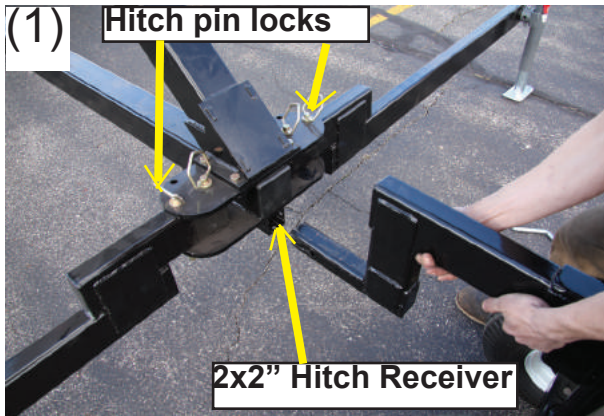
Disconnect the tow hitch from the transport vehicle if it is currently in the collapsed mode. To disconnect the tow hitch, move the outriggers from their stowed position by removing the hitch pin locks and swinging them outward 90 degrees into their deployed position and locking them into place with the hitch pin locks. Once the outriggers are in position the jacks can be swung into their upright position and then used to lift the front end of the structure to release the weight off the tongue of the vehicle hitch and the shade device can be detached from the towing vehicle.

Attaching the Dolly

The dolly can now be attached.

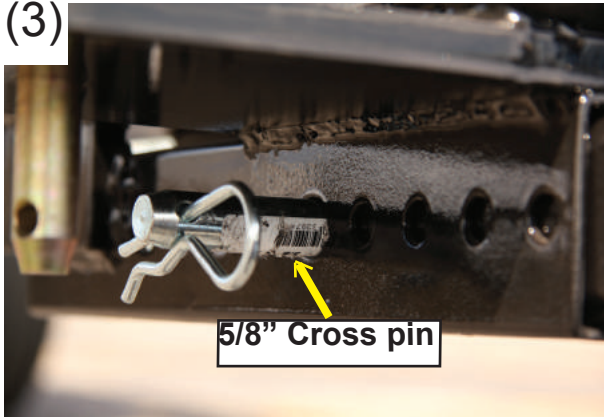
To attach the dolly:

- (1) Locate the 2x2 hitch receiver at the front,
- (2) Place the Dolly into the receiver tube and push inward until the hole on the dolly and receiver match,
- (3) Lock the Dolly to the hitch receiver with the 5/8" cross pin.



OPERATING

(3)



Dolly attached



Images may look different from other Shade Haven® mobile livestock shade models but components will perform the same function.

Stow outriggers

(4) Lower the jacks

(5) Rotate jacks 90 degrees upwards as depicted and pin into place

(6) Unpin the outrigger lock pins and rotate the outrigger 90 degrees inward.

(7) Lock the outrigger in the stow position with the rear lock pin hole.

(5) Using the Dolly hitch attach an ATV or tractor with a 7/8" or smaller hitch pin (not included).

(4)



(5)



OPERATING



The Shade Haven® is now ready to be towed in the field and the canopy deployed!

OPERATING

Shade Canopy Deployment Instructions

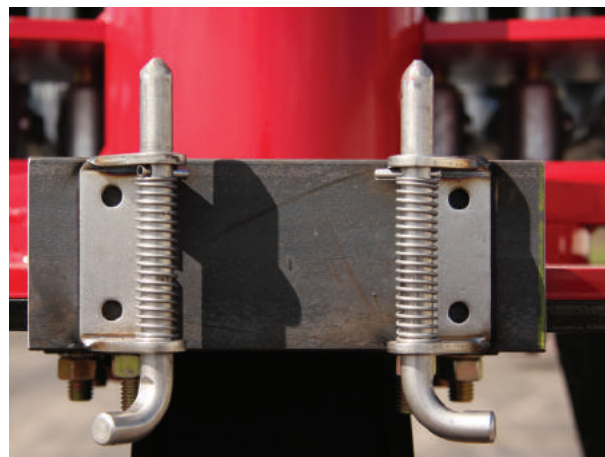
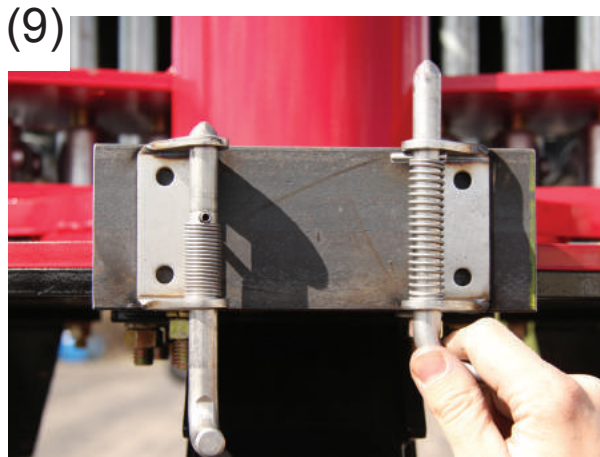
Once the Shade Haven® is hitched to an ATV or tractor and it is in location the shade cloth canopy can be deployed.

First chock the wheels before removing the mobile livestock shade from the hitch.

(8) Deploy outriggers into their 90 degree position and place jacks into their upright position and raise them to level the structure as needed.



(9) Check that Latch pins on the front of the Deployer hub are in the released position.



Latch pins released

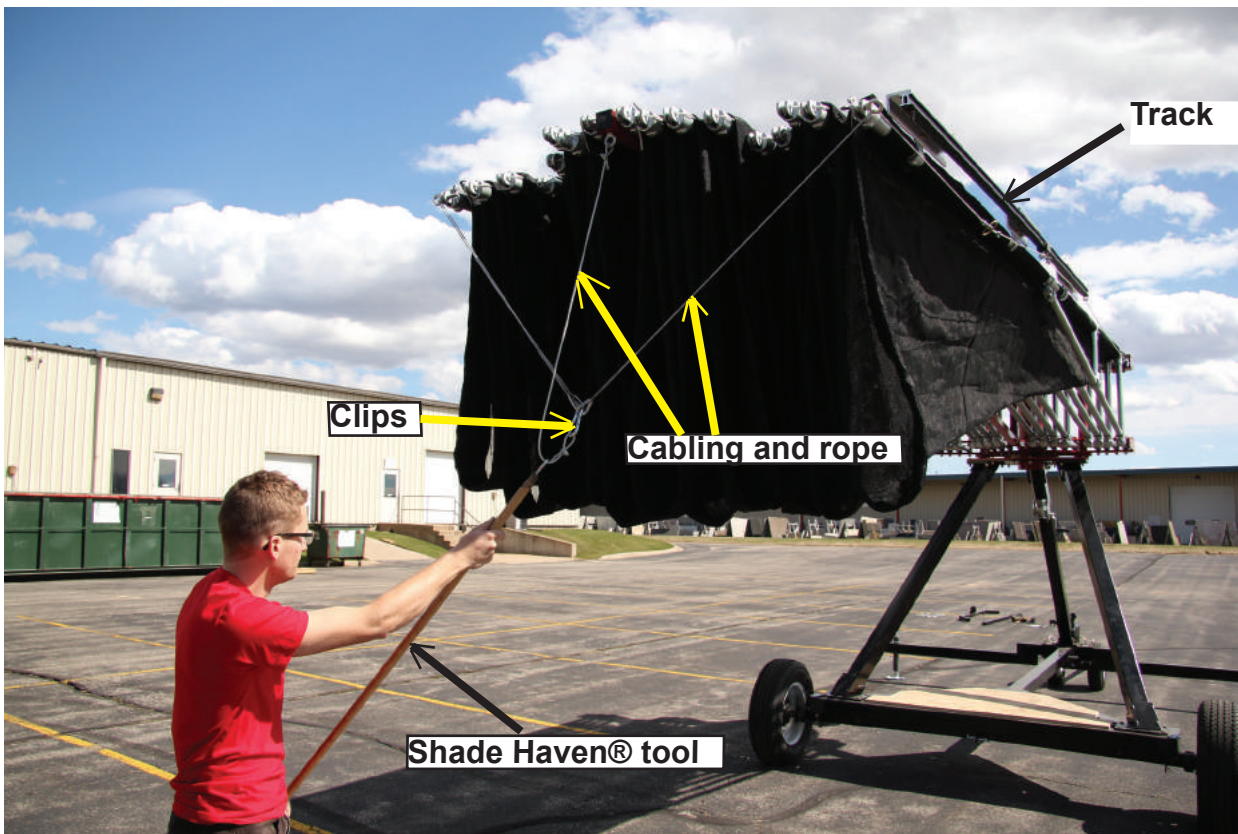
OPERATING

Summary of the Deployment System

To deploy the shade canopy unclip the folded truss arms at the back and then walk each end around to the front until they latch on the latch pins. There is a click sound once the each side is locked into the deployed position. A windlass is used to tighten the canopy after attaching all the cables and ropes to the track. The windlass locks the canopy into its final deployed position.

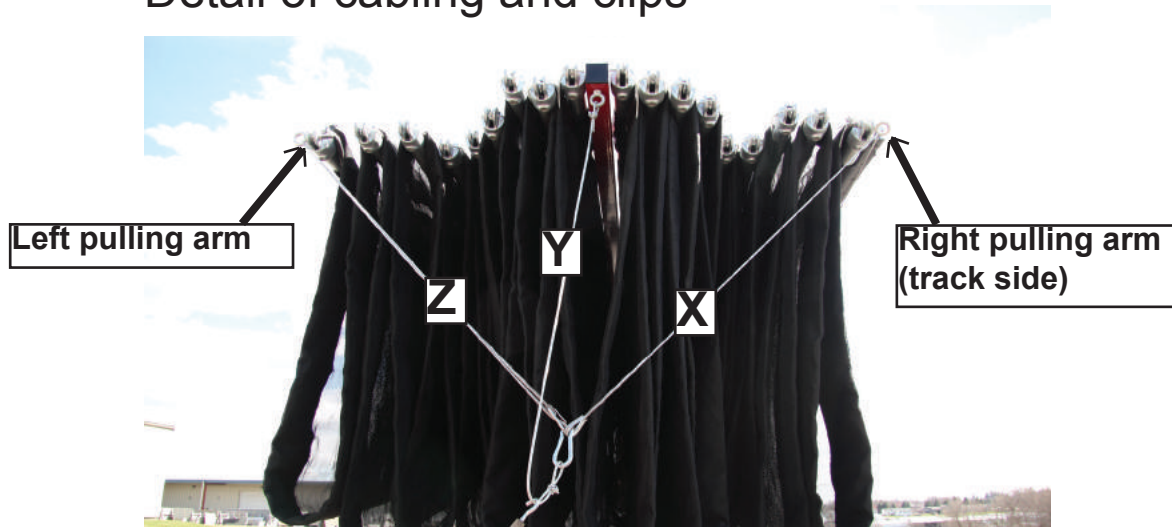
Important features of the deployment system and procedure can be found in the image below. One side features a track system and cabling (clips on each end) used to tighten the shade cloth canopy. To perform many of the deployment tasks the use of a hooked poll or Shade Haven® tool will be required. Pull on the very last truss arm of each side, labeled below. **It is important NOT to pull downward on the truss as it can be damaged.**

Of the cabling and clips, detail shown on next page, there are three specific connections. Rope Z connects to the left pulling truss arm of the Shade Haven®



OPERATING

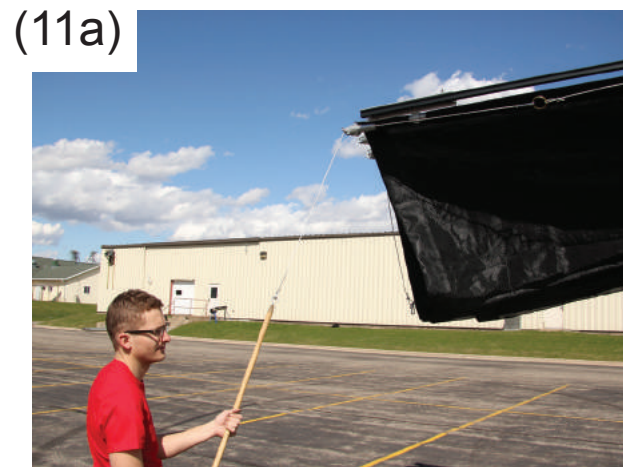
Detail of cabling and clips



The image above details the rope and cable connections used in the deployment system. Rope Z connects to the left pulling truss arm of the Shade Haven®, Rope X connects to the right pulling arm of the Shade Haven®, which is the same side that has the track attached. Cable Y hangs from the center and is fixed.

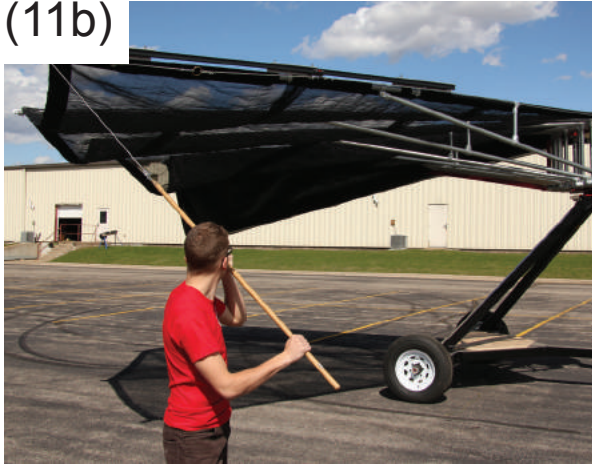
(10) Unclip Rope X (the track side) from Cable Y.

(11a-c) Using the Shade Haven® tool walk the right pulling arm around to the front until the Latch pin in the front locks the right pulling arm in place.

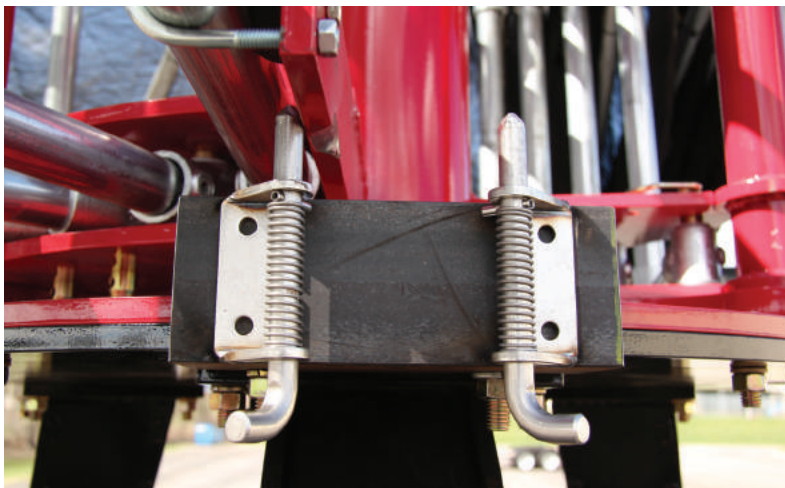
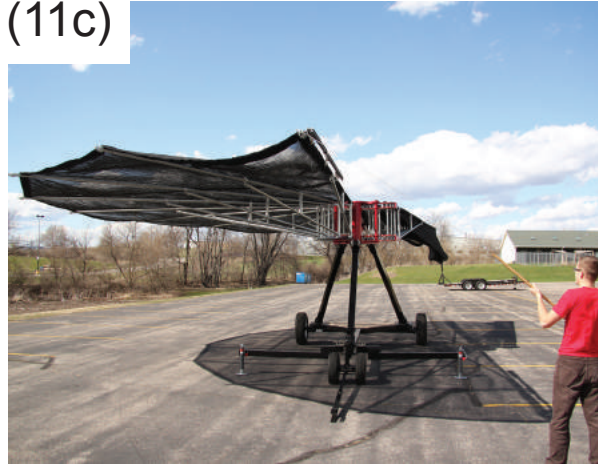


OPERATING

(11b)



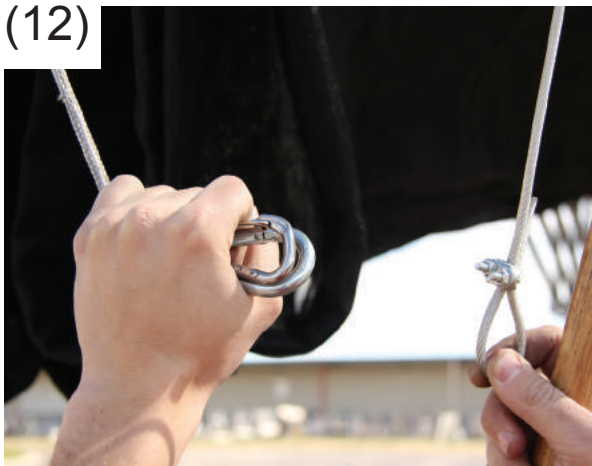
(11c)



On the left:
Detail of Latch pin
holding the right
pulling arm in posi-
tion

(12) Unclip Rope Z from Cable Y.

(12)



(13a)



OPERATING

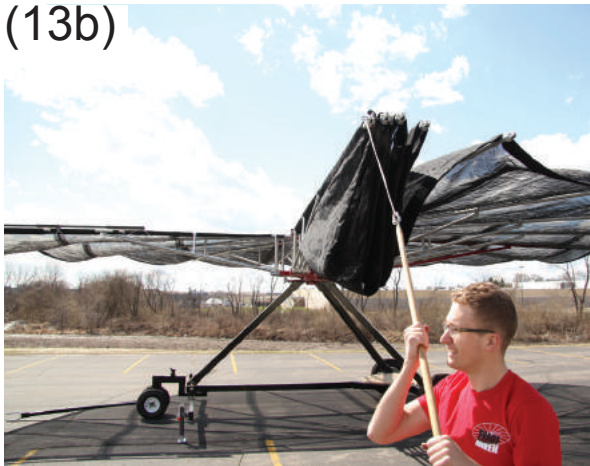
(13a-c) Using the Shade Haven tool walk the left pulling arm around to the front until the Latch pin locks it into place.

(14) With the Shade Haven tool take hold of the ring attached to Rope X on the track and pull to the end of the track. While holding the ring take hold of the larger clip on the end of Rope Z and clip to the ring. Both Rope X and Z should now have one end clipped to the ring that is on the track.

(15) Using the Shade Haven tool grab the other end of Rope X equipped with a thimble. Pull thimble end down and hold it while grabbing the end of Rope Z equipped with a small carabiner.

(16) Clip the thimble from Rope X to the carabiner on Rope Z.

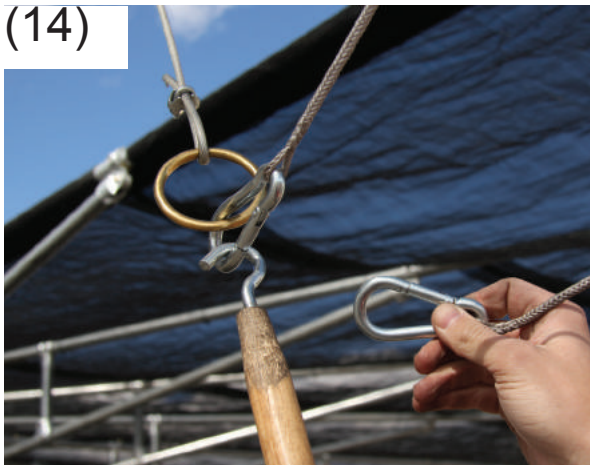
(13b)



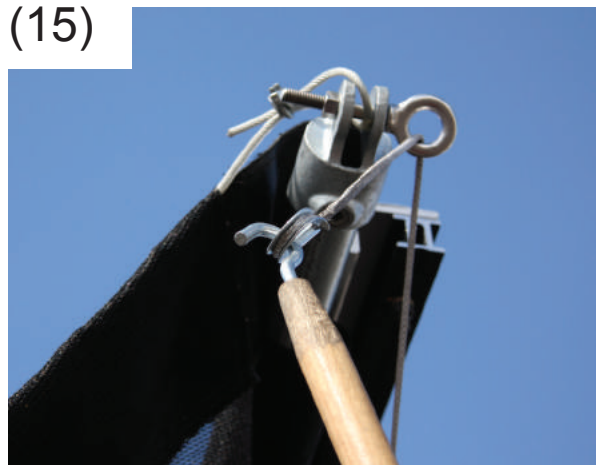
(13c)



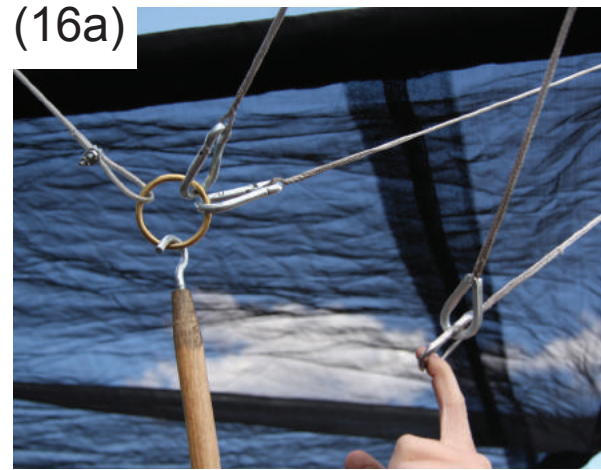
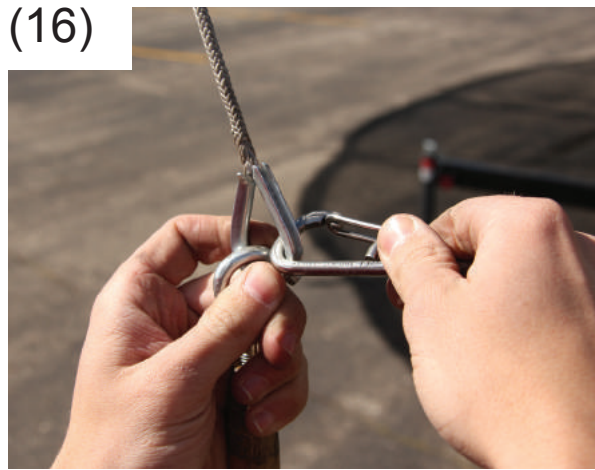
(14)



(15)



OPERATING



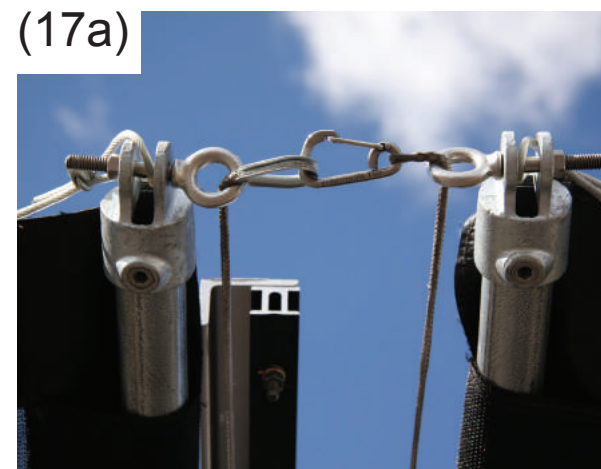
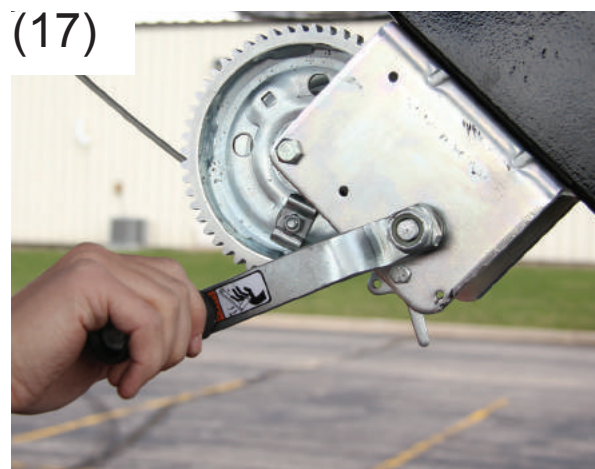
(13a-c) Using the Shade Haven tool walk the left pulling arm around to the front until the Latch pin locks it into place.

(14) With the Shade Haven tool take hold of the ring attached to Rope X on the track and pull to the end of the track. While holding the ring take hold of the larger clip on the end of Rope Z and clip to the ring. Both Rope X and Z should now have one end clipped to the ring that is on the track.

(15) Using the Shade Haven tool grab the other end of Rope X equipped with a thimble. Pull thimble end down and hold it while grabbing the end of Rope Z equipped with a small carabiner.

(16) Clip the thimble from Rope X to the carabiner on Rope Z.

(16a) Once all clips are attached it should look like the image above.



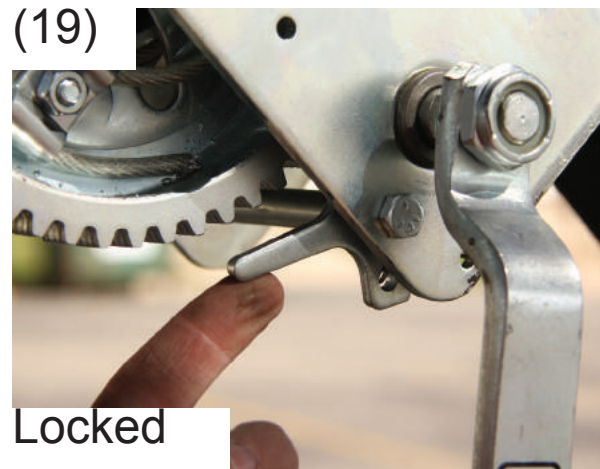
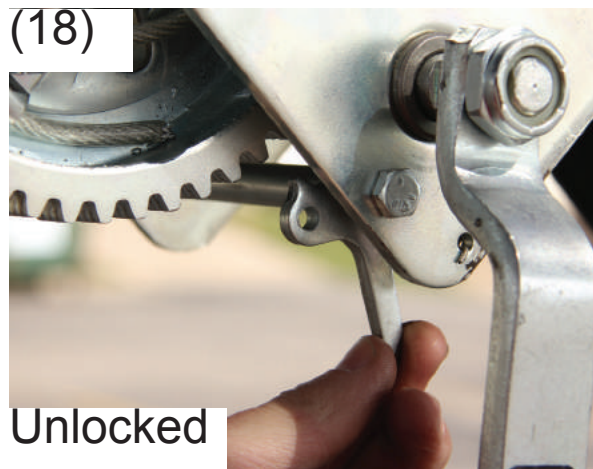
OPERATING

(17) Begin tightening the canopy with the windlass by turning the level in the clockwise direction.

(17a) Tighten the canopy with the windlass until the Ropes X and Z are fully drawn to their ends at the clip and thimble.

(18) Now lock the windlass to hold the canopy in place.

(19) Locked position shown below.



The Shade Haven is now deployed!

OPERATING

Collapsing the Shade Haven®

When storing the Shade Haven® at the end of the hot weather season or for intermittent weather with wind speeds 35 mph and higher the canopy must be collapsed. It is recommended to collapse the canopy while towing the Shade Haven®; however it can be moved when deployed for short distances (i.e. less than a mile and no winds).

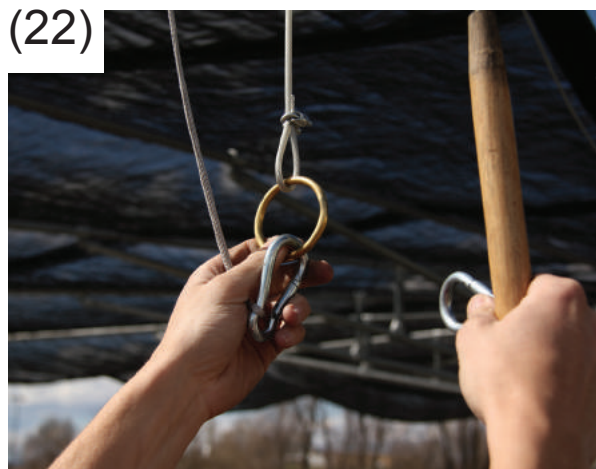
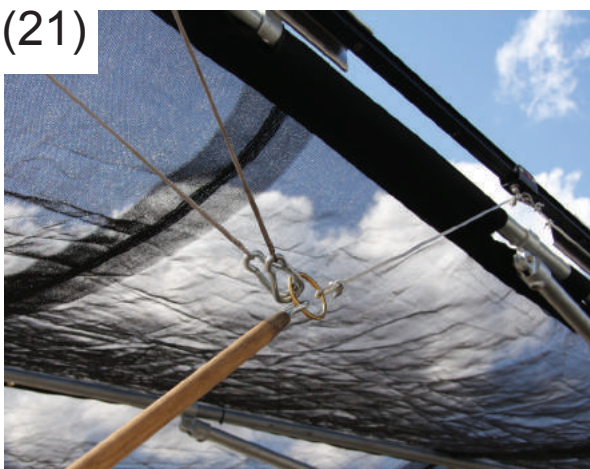
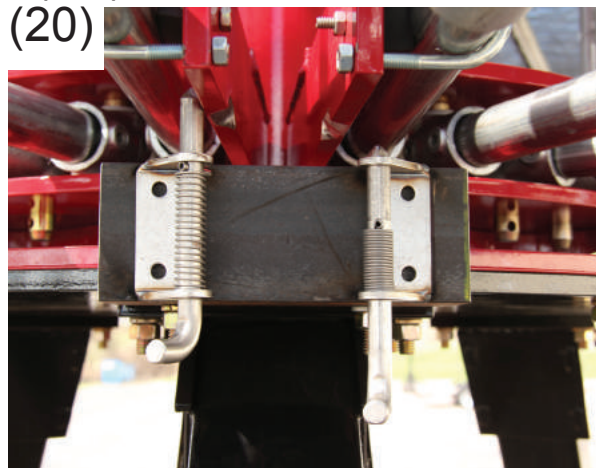
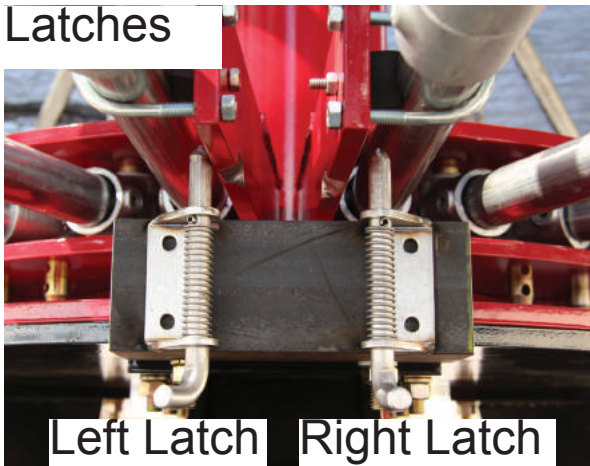
(20) To collapse the canopy, depress the right latch (turning it such that it locks in the depressed position) near the front of the deployer hub. Both Latches will need to be depressed, but for ease of collapsing the canopy it is best to start with right latch first.

(21) Unlock the windlass and release the tension on the cable. Using the Shade Haven® tool pull the ring on the track to the end of the track.

(22) Unclip Rope Z from the ring that is attached to the track and unclip Rope Z from Rope X.

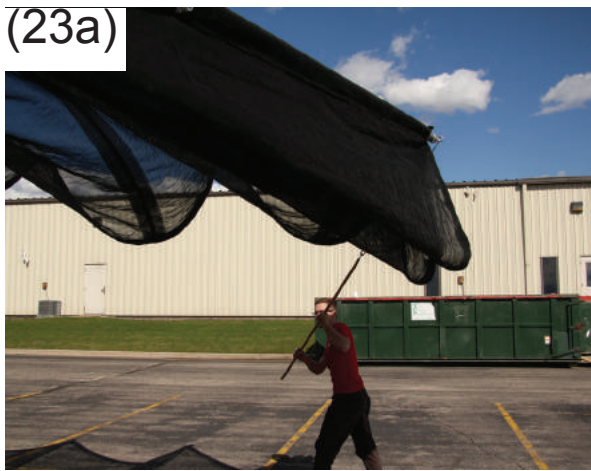
(23a-c) Similarly as in deploying the canopy, only in reverse, walk each pulling arm around to the back of the Shade Haven® and clip Rope Z and X to Cable Y.

Latches



OPERATING

Notes on collapsing and field transport: While it is recommended that each time the Shade Haven® mobile livestock shade is moved that it should be collapsed, it is not necessary. Ensure there is adequate width clearance in the path of travel when moving the structure with the canopy open. DO NOT move the structure with the canopy open if the winds exceed 20 mph.



The Shade Haven is now ready for field transport!

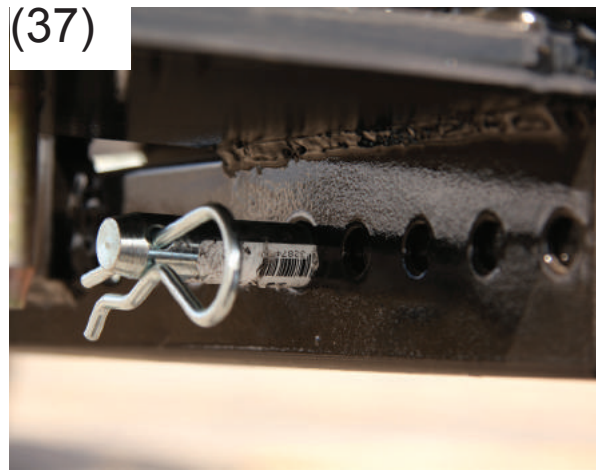
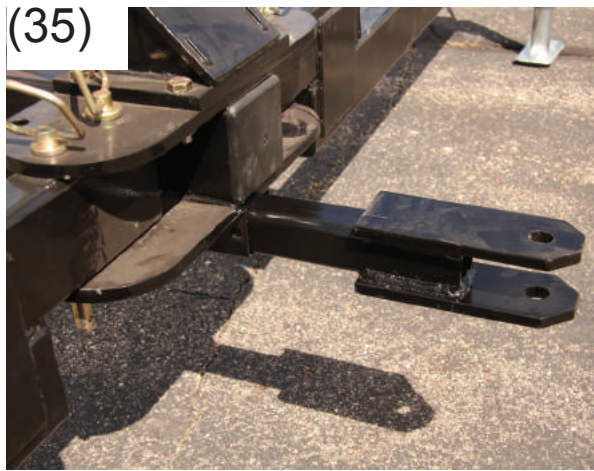
OPERATING

Installation of the tow hitch

(35) Install the 2" tow hitch clevis mount into the 2" receiver where the dolly was attached.

(36) Lock the hitch into place with a 5/8"x4" bent pin or equivalent pin.

(38) The Shade Haven® is now ready for towing with heavy duty vehicles. Ensure all pins are in place and lock with a cotter pin. Attach to towing vehicle with a hitch pin (pintle mount) and install safety chains to towing vehicle and attach to each end to the locking hitch-pins as in Figure (7).



REPLACEMENT PARTS AND SPECIFICATIONS

Parts

For replacement parts please contact customer service or a sales representative.

Product Specifications (SH1200)

Tow Length..... 26 ft (when collapsed)
Tow Width..... 102 in
Tow Weight..... 3000 lbs
Tongue Weight..... 800 lbs
Tow Height..... 10 ft
Diameter of Structure..... 38 ft 4 in
Area of Shade Canopy..... 1200 sq ft

Product Specifications (SH600)

Tow Length..... 24.4 ft (when collapsed)
Tow Width..... 90 in
Tow Weight..... 2000 lbs
Tongue Weight..... 600 lbs
Tow Height..... 9 ft
Diameter of Structure..... 30 ft
Area of Shade Canopy..... 600 sq ft

MAINTENANCE AND TROUBLESHOOTING

General Recommendations for Long-term Storage

When storing the shade unit for long periods, it is recommended to collapse the canopy and store in a building. If the structure is stored in a winter environment where ice and snow is present, the excessive loading can cause damage to both the cloth and structure, therefore it is necessary to cover the collapsed canopy with a waterproof tarp or cover or store under a building. To improve the life of the canopy and shade structure, store in a dry place during longer periods of storage.

Clean Debris

If the track, windlass, arms, or the deployer hub plates get stuck or it takes more force than usual to open or collapse the canopy there may be debris lodged between the plates or near the pivot points of the plates that swing. Debris can be cleaned with an air hose or pressure washer. However, if using a pressure washer DO NOT use a high pressure nozzle as it may cut or damage the cloth, or remove paint.

Add Grease to Joints

All pivot points and joint/pin connections should be greased annually, and as needed to prevent buildup of rust at the joints and keep all parts moving efficiently.

Any other questions or troubleshooting please contact customer service.

WARRANTY AND CUSTOMER SERVICE

Limited Warranty Policy of Shade Haven®, LLC

Shade Haven® is a trademark of Grazing Shade LLC dba Shade Haven®, LLC. Shade Haven®, LLC will repair or replace, free of charge, any parts(s) of the Shade Haven® portable shade unit that is defective in material or workmanship or both. The portable shade unit is warranted to perform as described in the operating manual. Read **Exclusions** below. Transportation charges on product submitted for repair or replacement under this warranty must be borne by the purchaser. This warranty is effective for the time periods and subject to the conditions stated below. For warranty service, visit Shadehaven.net or call one of our representatives.

Warranty Period

Agricultural Use.....5 years
Consumer or Other Commercial Use.....90 days

The warranty period begins at the date of purchase by the first retail consumer or end user, and continues for the period listed above. “Agricultural Use” means use by a farm as a farm implement or machinery. All other users fall under “Consumer or Other Commercial Use”, such as for non-agricultural uses.

NO WARRANTY REGISTRATION NECESSARY TO OBTAIN WARRANTY ON SHADE HAVEN® LLC PORTABLE SHADE IMPLEMENTS. SAVE PROOF OF PURCHASE RECEIPT. IF NO PROOF OF PURCHASE IS PROVIDED AS REQUESTED THE MANUFACTURING DATE OF THE IMPLEMENT WILL BE USED TO DETERMINE THE WARRANTY PERIOD.

About Warranty

We apologize for the inconvenience of repair of your Shade Haven® portable shade implement. Shade Haven®, LLC will handle all warranty requests, however the warranty is void if equipment damage occurred because of misuse, lack of routine maintenance, improper operation or storage. In addition a missing serial number, equipment modifications or alterations will void the warranty. This warranty does not cover the following:

Normal Wear: Wear to the structure, wheels, and cloth beyond the 1st year will not be covered by the warranty, but replacement parts can be purchased from Shade Haven® LLC.

Installation and Maintenance: This warranty does not apply to equipment or parts that have been subject to improper use/storage, alterations or modifications, speeding during transport, or any action that in our judgment would adversely affect its performance or reliability.

Exclusions: This warranty excludes wear items such as tires, wheels, pins, latches. The warranty excludes used, reconditioned, and demonstration equipment and failures due to lightning strikes, storm or tornado damage, or other events beyond the manufacturer’s control. Performance of the shade device outside the normal operating parameters is not warranted, care must be taken to ensure the device is operated according to the instructions described within the operating manual.

SERVICE RECORD- SUPPORT 1-855-247-4233

**SHADE HAVEN® , LLC
VIROQUA, WI, USA**

Model No. SH1200/600, Manual No.2, Revision V (3/7/17)

SERVICE RECORD- SUPPORT 1-855-247-4233

**SHADE HAVEN® , LLC
VIROQUA, WI, USA**

Model No. SH1200/600, Manual No.2, Revision V(3/7/17)



5 - y e a r l i m i t e d w a r r a n t y c e r t i f i c a t e

5-year limited warranty terms

For unit(s): SN# _____

The Shade Haven® SH1200/600, mobile shade device, is warranted for a period of five (5) years from the date of original purchase. The performance of the mobile shade device is warranted under normal operating conditions. This is a prorated warranty.

The canopy, frame and other parts are warranted for (5) five years. Warranty prior to the end of the 1st year amounts to the replacement of any defective parts without charge under normal operation. Warranty after the 1st year is a prorated warranty.

(Example: parts warranted on the 3rd year of ownership will be replaced at a 60% credit. On the 5th year a 20% credit will be applied toward the replacement of any defective parts).

Under this limited warranty, Shade Haven®, LLC warrants to the original purchaser that the SH1200/600 will be free from defects under normal and proper use in material and workmanship under the warranty period.

Under this warranty, Shade Haven®, LLC agrees to repair at our facility or replace (at our option) any hardware or component part, not including labor costs and any “in the field” labor related to the repair. Any defect must be reported within the warranty period listed above. All shipping charges will be paid by the owner of the SH1200/600.

WARRANTY EXCLUSIONS. Normal wear and tear is not covered by this warranty. Shade Haven®, LLC assumes no liability for damage due to faulty use or misuse for which the product was not intended or improper maintenance. Shade Haven®, LLC is not liable for damage to surrounding structures, or to property above below or near the SH1200/600. This warranty does not cover any damage to a structure caused by nature such as acts of God, ice, snow, rain, high winds (greater than 35 mph), vandalism, neglect, fire, use of which the equipment is not intended, weights or loads allowed to accumulate (do not load rear trailer more than 2000 lbs), or normal wear and tear from use. This warranty is in lieu of all warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose. Shade Haven®, LLC will not be liable for any consequential or incidental damages. This warranty gives specific legal rights and you may also have other rights that may vary from country to country.



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