



Light Tower Balloon

Installation Instructions

The following instructions are intended to assist the user in the installation of balloon to a light tower. Please read the installation instructions before starting.

SAFETY INFORMATION					
Safety precautions should be followed at all times when operating or servicing this equipment. Make sure the machine is properly stabilized and secure before attempting any service or repairs. One or more of the hazards below may apply. Consult operation manual for more safety information.					
	NEVER operate this equipment without protective clothing, shatterproof glasses, respiratory protection, hearing protection, steel-toed boots or other protective devices required by the job or city and state regulations.		Lethal Exhaust Gas Hazards		Cut/Crush Hazards
			Explosive Fuel Hazards		Electric Shock Hazards
			Burn Hazards		Battery Acid Hazards
			Moving Parts Hazards		Pressurized Fluid Hazards

REQUIRED TOOLS

- 5/8" wrench/ratchet

PARTS

Figure 1 and accompanying parts list show the components of the light tower balloon.

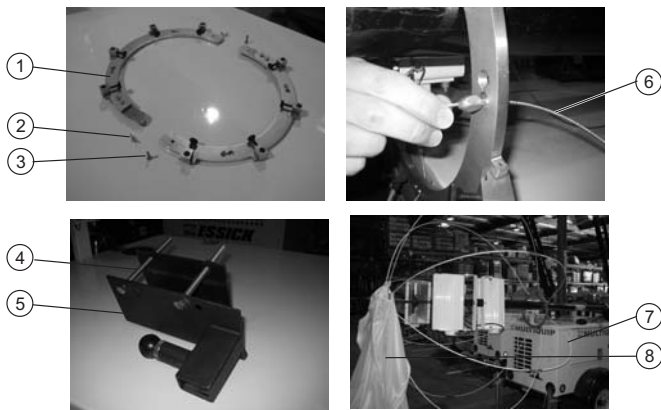


Figure 1. Light Tower Balloon

NO.	PART NAME	QTY.
1	Half Ring	2
2	Wing Nut	2
3	Bolt	2
4	2" X 2" Bolt	2
5	Clamp	1
6	Cable	4
7	Flex Rod	8
8	Balloon	1

PREPARATION

1. Place light tower in an area where there is enough space for the balloon to be installed.
2. Lower the mast of the light tower to the horizontal position.

INSTALLATION

1. Remove the two bolts from the clamp (Figure 2).

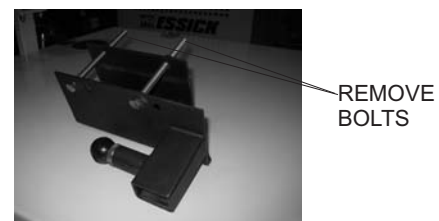


Figure 2. Removal of Clamp Bolts

2. Attach the clamp to the light tower T-bar as close to the center as possible as shown on Figure 3.

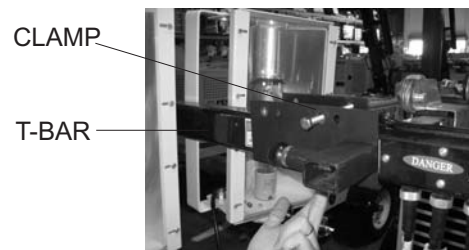


Figure 3. Attachment of Clamp

3. Push in the bolts that were removed in step 1 and tighten from the inside. Use a 5/8" wrench and tighten bolts. See Figure 4.

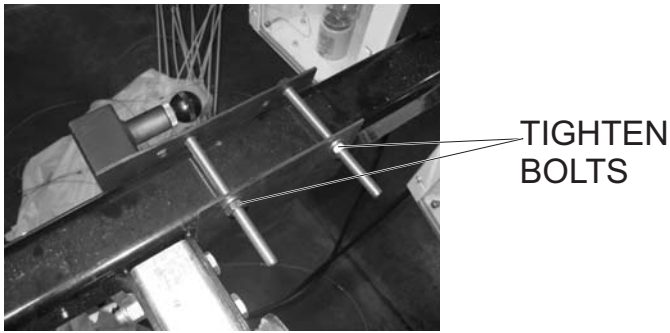


Figure 4. Securing the Clamp

4. Locate the hole close to the top on the side of the bar of the balloon assembly. See Figure 5.

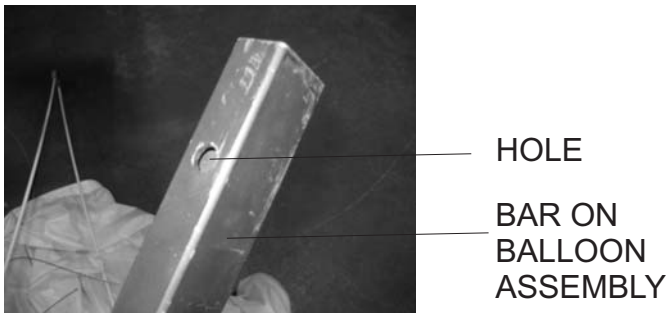


Figure 5. Location of Hole on the Bar

5. Insert the bar into the clamp receptacle making sure hole on bar is aligned with the pin on the side of the clamp. See Figure 6.



Figure 6. Aligning Hole on Bar

6. Pull the pin and push in the bar all the way. Release the pin and pull out bar to make sure it is securely locked in place.

7. Situate the two halves of the ring in front of the mast cradle making sure that the eight hinges and screws are facing towards the T-bar. See Figure 7.

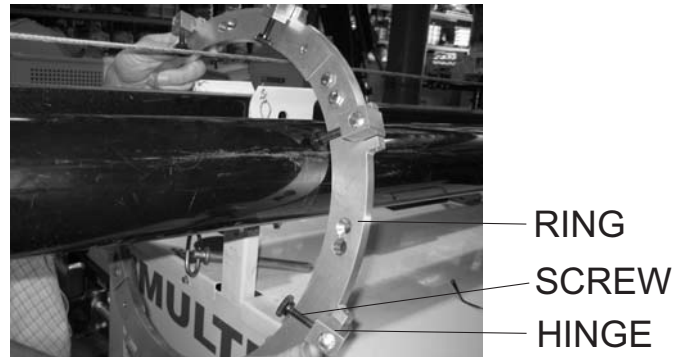


Figure 7. Ring Attachment

8. Attach the two halves together with the two screws and wing nuts. See Figure 8.

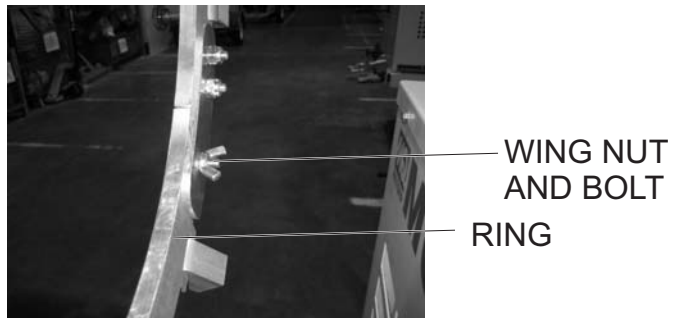


Figure 8. Securing the Ring

9. Temporarily lean the ring against the mast cradle or cabinet for support.
10. Connect the first flex rod from the balloon assembly to a hinge on the ring and tighten with the screw (see Figure 9).

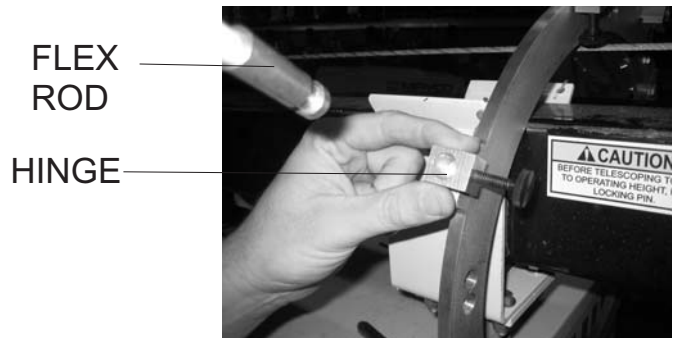


Figure 9. Attaching Flex Rod

11. **IMPORTANT!** Continue connecting the other flex rods to the hinges in sequence either in clockwise or counterclockwise direction until all flex rods are connected (see Figure 10).



Figure 10. All Flex Rods Installed

12. Attach the four cables to the ring. Start with the top cable and align the cable to the corresponding hole on the ring. Make sure that the cable runs as horizontal as possible.
13. Insert cable through the hole (Figure 11). Leave the cable loose for now. Do the same for the other three cables.

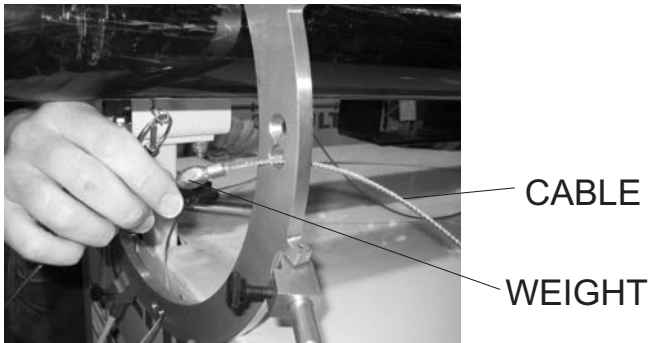


Figure 11. Cable Installation

14. Throw the balloon over the flex rods. Align the zipper with the nearest flex rod.

15. On the inside of the balloon, attach the velcro to each of the flex rods. See Figure 12.

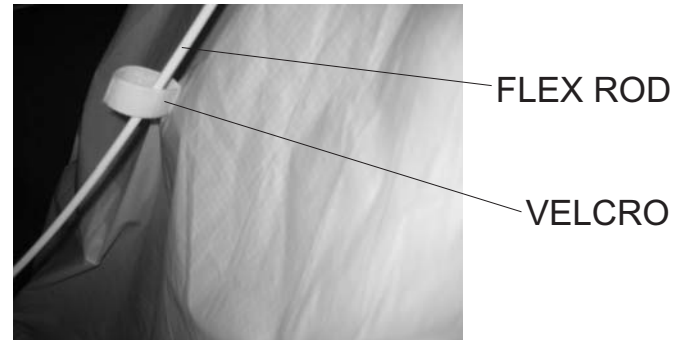


Figure 12. Attaching Balloon to Flex Rods

16. Zip up the balloon all the way around. See Figure 13.

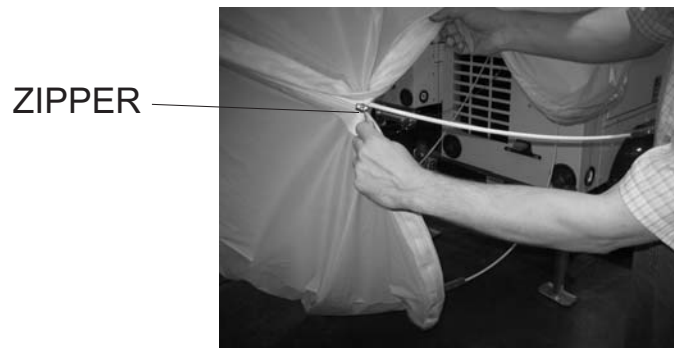


Figure 13. Zipping up Balloon

17. Push the ring towards the T-bar and pull each cable weight through the hole. Slide the cable towards the countersunk hole and lock weight in place. If you start with top cable, do the opposite cable (bottom) next to balance the tension on the flex rods. See Figure 14.

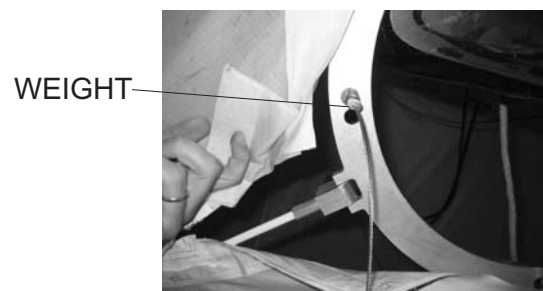
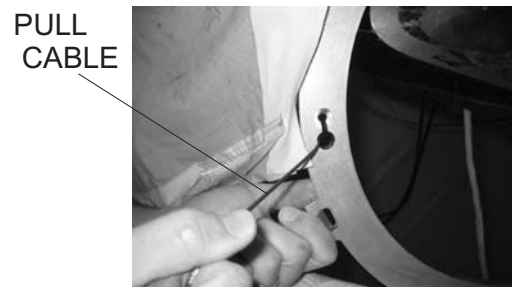


Figure 14. Locking Cable In Place

18. Attach velcro on the end of the balloon zipper. Make sure to stretch the balloon material and that velcro is attached tightly. See Figure 15.

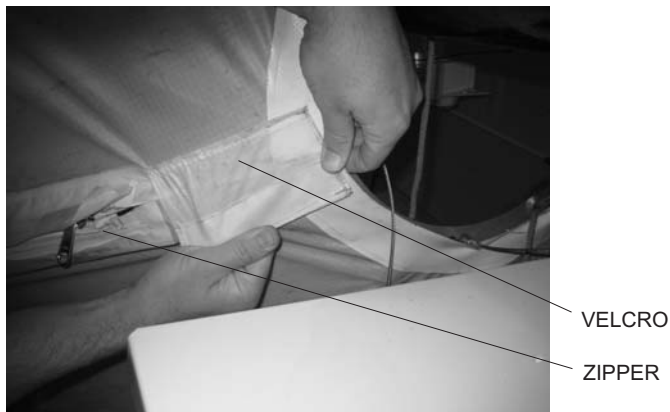


Figure 15. Attaching Zipper Velcro

19. The balloon installation is now completed. See Figure 16.

INSTALLED
BALLOON



Figure 16. Installed Balloon with Mast Raised

! DANGER

When raising the light tower mast with the balloon installed, **ALWAYS** make sure the area above light tower is open and clear of overhead power lines and other obstructions. Keep in mind that the balloon adds more height to tower therefore more clearance is required. Contact with overhead power lines or other obstructions could result in equipment damage, serious injury or death!



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