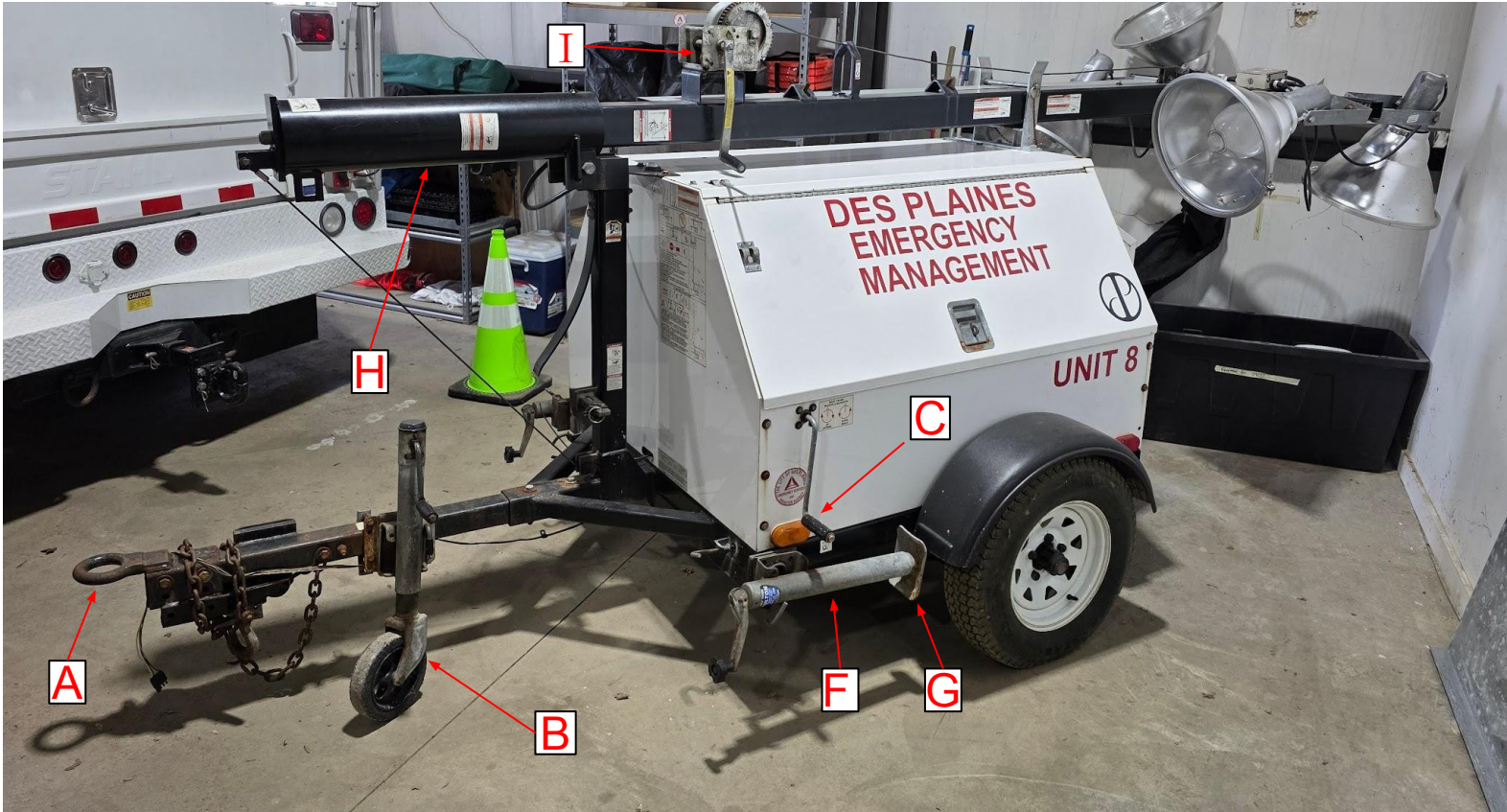

EMERGENCY MANAGEMENT AGENCY

LIGHT TRAILER GUIDE



Light Trailer Parts Identification Guide

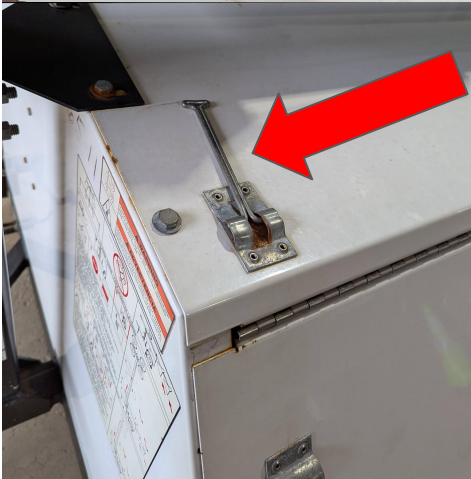


- A. Hitch (Pintle)
- B. Landing Gear
- C. Crank - Mast Horizontal to Vertical
- D. Outrigger Arm
- E. Outrigger Foot
- F. Outrigger Leg
- G. Control Panel
- H. Mast
- I. Crank - Raise / Lower Mast

*****WARNING*****

MAKE SURE THERE ARE NO OVERHEAD OBSTACLES BEFORE DEPLOYING THE LIGHT TRAILER MAST!

- Ensure landing gear is all the way down.
 - If the trailer is not connected to the truck, make sure that the wheel for the landing gear is on the ground



- Open the left side (“driver’s side”) door and secure it using the latch.



- Locate the PVC canister.
 - Inside are the **keys** to start the generator along with **tools** to adjust the lights (if needed).



- **Unscrew the cap for the keys and tools.**
 - **Note:** The cap should only hand tightened

Light Adjustment

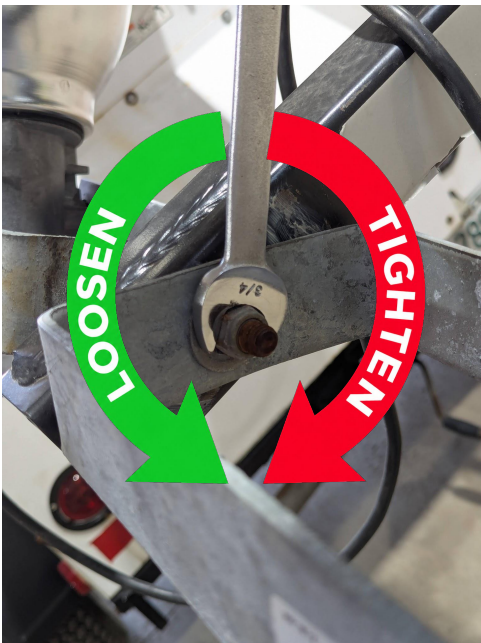


Fig. 2.1

Note: The bolts to adjust the lights use a 3/4" wrench.

Fig. 2.1: To adjust the light in a horizontal direction, loosen the bolt as seen.

Fig. 2.2: To adjust the vertical orientation, loosen the bolt as seen.

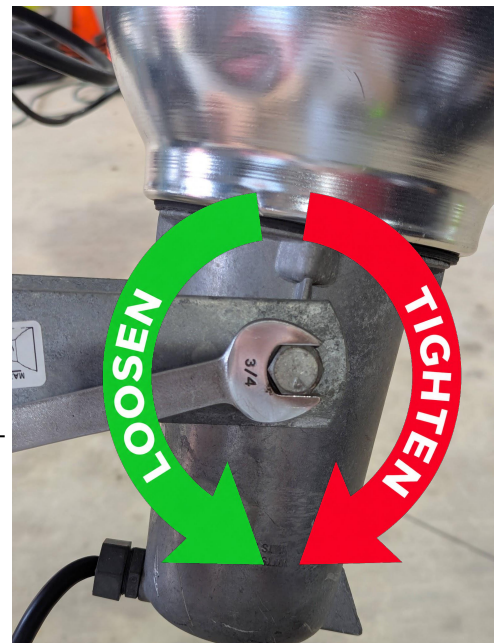


Fig. 2.2

Deploying the Outriggers



Note: Left side shown.
Right side similar



- **Pull the pin outward and rotate the leg down.**
 - **Note:** Make sure the pin locks back in place



Fig. 3.1



Fig. 3.2



Fig. 3.3

Extending the Front Outriggers

- Pull the front locking pin outward. (Fig. 3.1)
- While holding the pin, slide the arm out. (Fig. 3.2)
- Stop when you see the yellow line. (Fig. 3.3).
- Secure the locking pin.
 - The locking pin will retract and lock in place if extended out the proper amount. **Note:** It might take a little wiggling to line up the pin and the hole.
- The arm on the opposite side extends in the same manner.
 - **Note:** If you have difficulty extending the arm due to the terrain, you can rotate the leg up to allow it to extend fully.
- **Warning:** If you pull out the arm too far, you will see a red stripe. Push the leg back in until the yellow stripe is only visible as seen in the picture above.



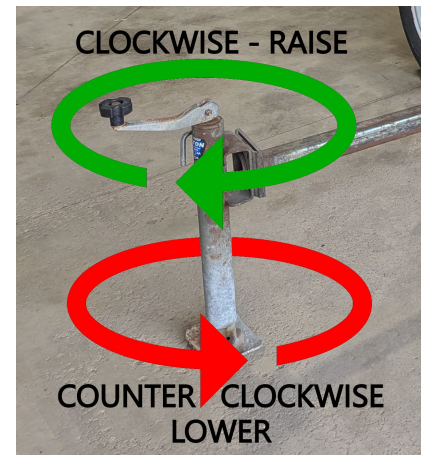
Optional: Extending the Rear Outrigger



- Pull the pin and rotate the back leg down.
 - If additional stability is needed, the rear leg can be used.



- **Locate the bubble level and make sure the bubble is in the middle.**
 - Use the, crank on top of each outrigger leg to raise or lower the feet to level the trailer. You might also need to adjust the landing gear to level it.



Readying the Mast

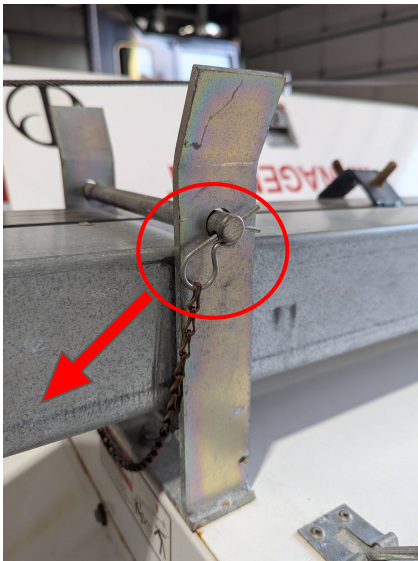


Fig. 4.1



Fig. 4.2



Everything removed.

- At the rear of the trailer, **remove the cotter pin**, (Fig. 4.1)
- **Remove the locking pin** (Fig. 4.2) from the mast cradle.

- **Pull the front locking pin** (Fig 4.3) up and out.

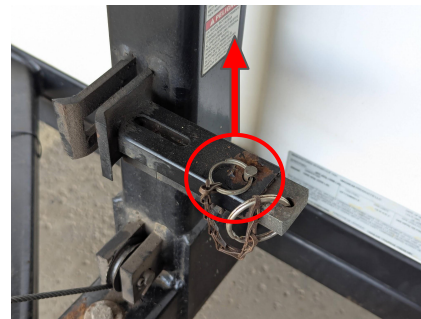
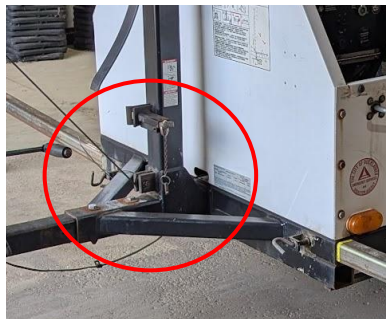


Fig. 4.3



The trailer should now look like this



Raising the Mast



- **Crank the handle clockwise** to raise the mast off of the trailer body.
- As the mast raises, it will push past the locking bar (Fig 5.1).
- **Once fully upright, the locking bar will drop back into place.** (Fig 5.2).
- **Put in the locking pin.**



Fig. 5.1

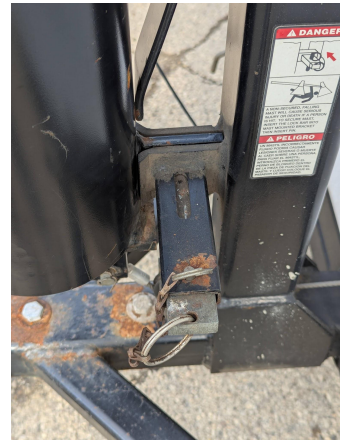
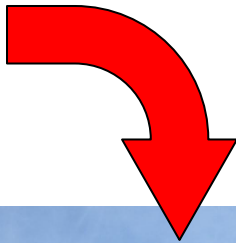


Fig. 5.2

The mast should now look like this.



- **Turn the mast handle clockwise** to raise the mast to the desired height.



Starting the Generator and Turning On the Lights



Fig. 6.1

- Insert the key shown in Fig 6.1 into the ignition.
- Turn and hold the key in the start position until the engine starts.



Fig. 6.2

- Once running, return the key to the “RUN” position (Fig 6.3)
- **Note.**: If the generator has been outside and it is less than 50°, you must first warm up the glow plugs. To do so, turn the key to the left until the indicator light turns on. (Fig 6.2)
- **Warning**: If the generator seems to be taking too long to start, DO NOT keep cranking the engine. Doing so could damage the starter motor.



Fig. 6.3

- Turn on the “Main Breaker 240v” switch.
- Toggle on each light switch, 1-4,
 - Wait a few seconds between lights as to not overload the generator
- **Note**: The bulbs used are sodium vapor and take some time to reach full brightness. Please be patient.



Shutting Down Tower

The procedure for shutting down the tower and getting it ready for transport is essentially the reverse of the steps above.

- Turn off the lights.
- Turn off the Main Breaker
- Turn off the generator engine and place the keys inside the PVC canister.
- Lower the mast height by turning the crank counter-clockwise.
- Pull back and hold the lock bar. Turn the crank on counter-clockwise to lower the mast to the top of the trailer body. You can release the lock bar once the mast has cleared it.
- Once lowered, secure the front lock bar with the locking pin.

Shutting Down Tower - Continued

- Slide the rear locking pin into the cradle and insert the cotter pin.
- Raise the outrigger leg on one side by turning the handle counter-clockwise.
- Pull and hold the locking pin and slide the outrigger arm into the body of the trailer. Once it is all the way in, ensure the locking pin drops back into the hole on the outrigger arm.
- Repeat the above two steps for the opposite side.
- If used, rotate the rear outrigger leg back into position ensuring the locking pin drops into place to secure it.
- While not required, it is good practice to reposition the lights to all be facing inward towards each other. (Fig 7.1) Make sure all of the bolts to for the lights are tight to prevent them from bouncing during transport.
- Place the tools inside the PVC canister and screw on the end cap.
- Unlatch the door at the top and close it, making sure it latches shut.
- If the trailer needs to be transported, you must prepare the trailer for towing. See the towing guide for more info.



Fig. 7.1

Additional Information

- The trailer is not equipped with a sensor for the fuel pumps. If the trailer is low on diesel fuel, you can use the yellow fuel can located under the stairs. If the can needs to be refilled, please notify Billy Ashby.



- The light trailer is not listed in Vector. If you encounter any problems with it, please notify Billy Ashby.