
EMERGENCY MANAGEMENT AGENCY

Light Truck Mast Operation



Check Overhead Clearance

***** Before raising the mast, make sure there are no overhead obstructions!*****

Starting the Compressor

- With the truck on and idling, push down on the parking brake pedal to set the parking brake. (Figure 1.1)

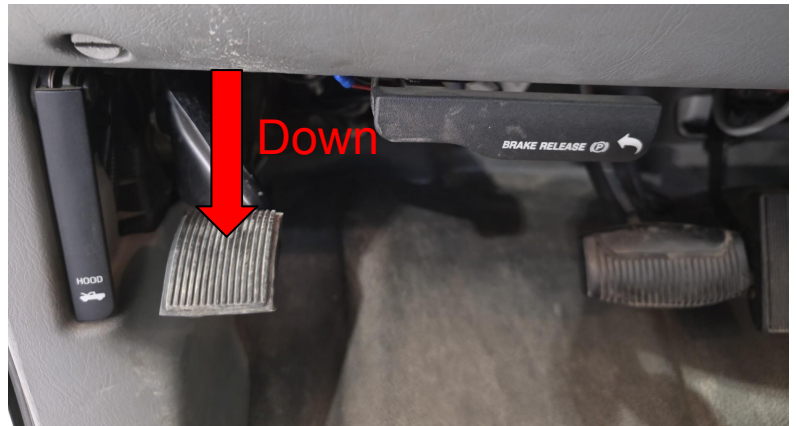


Figure 1.1



Figure 1.2



Figure 1.3

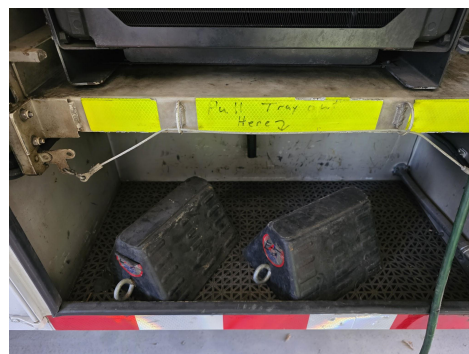
- Turn on the compressor using the Switch under the driver's seat. (1.2)
- The green light will illuminate to indicate the compressor is on. (1.3)

Securing the Wheels

- Locate the wheel chocks. They are located in Compartments #1 and #9.



Compartment #1



Compartment #9

- **Place the wheel chocks** in front of and behind the rear tires on both sides. (2.1, 2.2)



Figure 2.1



Figure 2.2

Setting up the Generator

- Open the generator compartment door and pull on the steel wire to **slide out the generator** (2.3, 2.4)
 - Make sure that the generator tray locks in place
- **Place 3 cones around extended generator tray.** (2.5, 2.6)
 - Cones should be placed on both corners and centered on the generator tray



Figure 2.3



Figure 2.4



Figure 2.5



Figure 2.6

Starting the Generator

- Locate the generator control panel.
- **Set the DC Control Breaker to "ON"** (3.1)
- **Push and hold the black toggle switch to start the engine.**

***** Warning *****

When starting, the engine will shake. Do not release until engine is running.



Figure 3.1

Raising the Mast

- In Compartment #2, **locate the most valve**. It is located behind the large silver cylinder. (3.2, 3.3)
- There are two positions for the valve. See Figure 3.4 and 3.5 for more info.



Figure 3.2

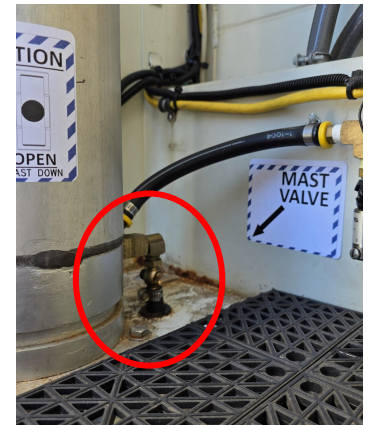


Figure 3.3



Figure 3.4 - **Vertical Valve**
When the valve is vertical, it is **open**. Air will release and the mast will descend. This is the position it should be in when the mast is not in use.



Figure 3.5 - **Horizontal Valve**
When the valve is horizontal, it is **closed**. This is the position it should be in when the mast needs to go up and be in operation.

Raising and Operating the Mast

- The **yellow control box** to control the mast and lights is in Compartment #3. (4.1)
- Using the control box, **raise and position the lights as required.**

Note

Use the guide below for an explanation of what each switch does. (4.2)



Figure 4.1



Figure 4.2

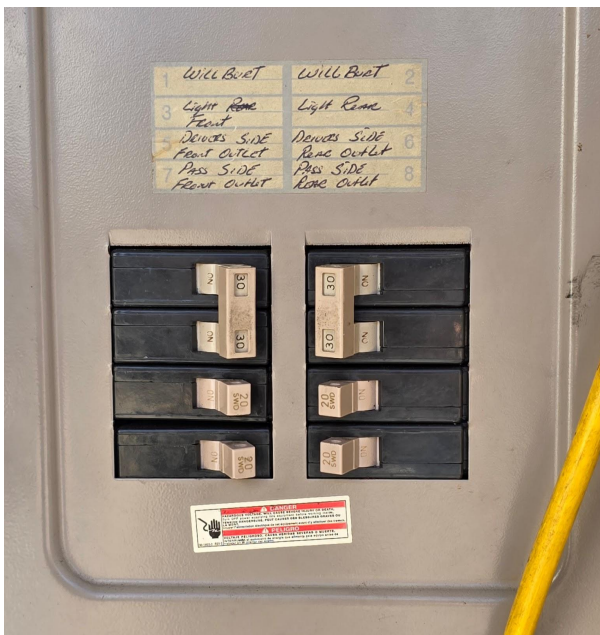


Figure 4.3

1. **Lights:** Turns on each group of lights.
2. **Aux:** Unknown
3. **Auto:** Resets the mast lights' tilt and rotation (pan).
4. **Tilt:** Rotates each group of lights up and down.
5. **Pan:** Rotates/swivels the lights around the mast.
6. **Mast:** Raises and lowers the mast.

Note

If the lights or other equipment do not seem to be turning on, make sure all of the breaker switches are turned on (pointing to the inside).

See Figure 4.3

Lowering the Mast

- To lower the mast, **toggle the “Auto” switch to the down position** to set the lights in the proper position
 - There are **two ways to lower the mast**:
 - a. Using the **yellow controller**, toggle the **“Mast” switch** down and hold it until the mast is fully lowered. (5.1)
 - b. **Turn the mast valve in compartment #2 to the “Open” position** and wait for the mast to fully lower. (5.2)
- ***Note***** You can also do both A and B together or separately.



Figure 5.1 - Option A
Toggle mast switch down



Figure 5.2 - Option B
Open the mast valve.

*****Check the Mast!*****

- There are warning lights in 2 locations on the truck that flash when the mast is up. Before leaving any scene, make sure the warning lights are off. If they are flashing, check the position of the mast and valve and ensure it is fully down before driving.



Mast **Warning Light #1** is located in the **truck's cab** to the right of the steering wheel.



Mast **Warning Light #2** is located in **Compartment #2** on the right side wall.

Shutting Down and Putting Away the Equipment

- Once the mast is completely down, **turn off the generator** by toggling the red “DC Circuit Breaker” switch to “Off”. (6.1)
 - *****Note***** If the generator has been running for more than 5 minutes, allow it to cool for a few minutes after turning off and before putting it away.
- Locate the generator tray release pin and pull it up.** While it is lifted, push the tray in. (6.2, 6.3)
- *****Note***** The generator tray is very heavy. It is recommended to have 2 people to push it back into the compartment.



Figure 6.1

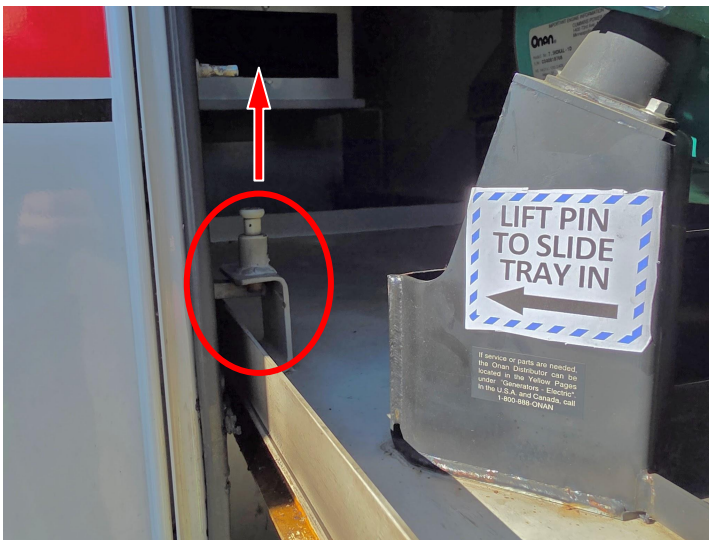


Figure 6.2



Figure 6.3

- Put away the cones.**
- Put away the wheel chocks.**
- Turn off the compressor.** (6.4)
- If used, make sure the auxiliary lights are turned off and locked into place.
- Make sure all other equipment is picked up and put away.
- Make sure all compartment doors are closed and securely latched.
- Release the Parking Brake.**
 - To release, pull the **brake release handle** located under the steering wheel. (6.5)
- The truck is now ready to be driven.



Figure 6.4



Figure 6.5