

## WARNING MESSAGE BOARD

Any piece of equipment can be dangerous if not operated properly. **YOU** are responsible for the safe operation of this equipment. The operator must carefully read and follow any warnings, safety signs and instructions provided with or located on the equipment. Do not remove, defeat, deface or render inoperable any of the safety devices or warnings on this equipment. **IF** any safety devices or warnings have been removed, defeated, defaced or rendered inoperable, **DO NOT USE THIS EQUIPMENT!!!**

**⚠ WARNING:** This product can expose you to sulfuric acid from batteries which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65warnings.ca.gov](http://www.P65warnings.ca.gov)

**⚠ WARNING:**  
**Improper sign display can cause a traffic accident resulting in severe injury or death.**  
Visually inspect message sign to ensure correct message is displayed.

### SAFETY WARNINGS



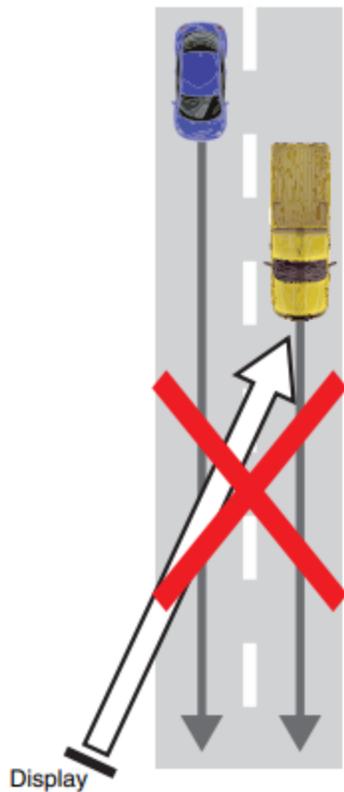
#### **DANGER:**

**Electric shock hazard. Contact with overhead electrical power lines will cause serious injury or death.**

Do not position message sign under power lines.

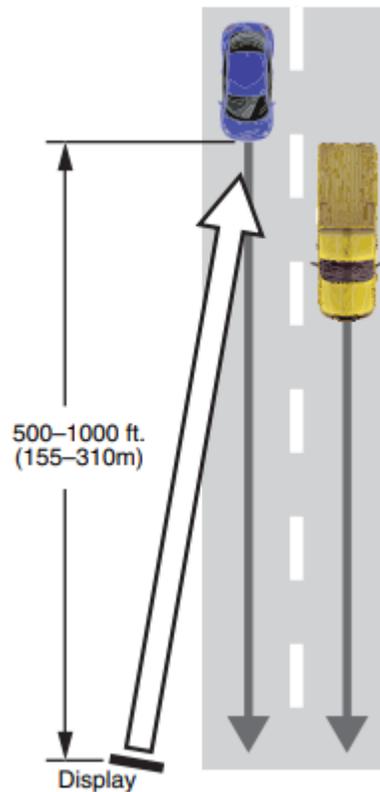
- When deployed, the message sign mast rises to over 11 feet. When choosing a location, ensure the area above the trailer is clear of overhead wires and other obstructions.
- To reduce the risk of shifting, rolling, or overturning, locate the message sign on a firm, level surface.
- Depending on vehicle speed, optimal positioning provides a line-of-sight from 500 to 1000 feet, which allows ample time for drivers to read and react to the message on the sign.
- Fog, rain, snow, and blowing dust can reduce the detection distance from drivers to the sign. Allow for possible weather conditions when selecting a location.
- For the message sign's solar charging system to function properly, locate the trailer where it will be exposed to full sunlight during daylight hours.
  - The solar panel charging capacity is significantly affected by shadows. Avoid locating the trailer where the sun will be obstructed, such as under a tree or in the shadow of a building.
  - Ensure the solar panels are clean.
- Position the trailer so the rear of the trailer faces oncoming traffic.
- Angle the message sign display slightly toward the roadway.
  - Too great an angle creates a short viewing distance that does not allow drivers enough time to see and react to the display.
  - A slight angle provides a long viewing distance that gives drivers plenty of time to see and react to the display.

## Positioning the trailer



### **Incorrect Positioning:**

Angled too greatly toward the roadway, drivers have a short viewing distance.



### **Correct Positioning:**

Angled slightly toward the roadway, the drivers have a long viewing distance.

### **Leveling the trailer:**

Prior to raising the message sign display cabinet, the trailer must be level. To level the trailer, follow these steps: 1. Block or chock the trailer wheels. 2. For each of the four leveling jacks at the corners of the trailer, pull the jack locking-pin and rotate the jack downward. Release the pin and continue rotating the jack until it is vertical. When the jack is properly set, the locking-pin snaps into position with an audible “click.” 3. Determine which corner of the trailer is highest and extend the jack foot on that corner downward until it rests firmly on the ground. Then, level the trailer with the remaining three corner jacks and, if desired for added stability, the drawbar jack.

### **Raising the display and setting a message:**

After positioning and leveling the trailer, raise the sign display and set up the message by following these steps:



### **⚠ WARNING**

**Falling equipment could cause severe injury or death.**

Before raising display cabinet, stabilize and level the trailer

1. Pull the height locking-pin to release the display cabinet so that it can be raised.

While holding the pin, use the hand-operated winch to start raising the cabinet. As the cabinet begins to rise, release the pin. 2. Raise the cabinet until the sign support legs are clear of the travel cradles. Do not raise it all the way yet. 3. Release the rotation lock on the mast so the cabinet can be turned.



**⚠ WARNING**

**Loose equipment can cause severe injury.**

Ensure wind does not catch and unexpectedly rotate unlocked display cabinet.

4. Rotate the cabinet clockwise, so that the front of the display faces traffic. 5. Look toward traffic through the sight-tube and angle the display appropriately (see Figure above). 6. Reset the rotation lock, locking the angle of the mast and display. 7. Use the winch to raise the mast and display cabinet to the desired height. When raised all the way, the height locking-pin snaps into place with an audible “click,” locking the cabinet in the up position. 8. Using the controller, configure the message that will be displayed on the sign see below.

Open the control box (mounted to the back of the message board) and lightly touch the screen.

1. Select “Log In” in the lower left corner.
2. Enter Password “ATS”
3. Select “Message Selection”

This brings up 4 options, **Blank, Pick, Quick Message, & Message Menu**

**Blank** turns off the message display.

**Pick** gives you access to the pre-programmed messages as well as the arrow selection.

**Quick Message** allows you to create your own message.

**Message Menu** allows you to create multiple messages, with different display dates and times.

Instructional / Tutorial Videos can be seen at the following YouTube site:

[https://www.youtube.com/playlist?list=PLs00FD02rARXYSM7Pn9iQjOW4uO\\_JW6pe](https://www.youtube.com/playlist?list=PLs00FD02rARXYSM7Pn9iQjOW4uO_JW6pe)

**DANGER**

- Stay clear of sign during raising and lowering. Do NOT stand under sign without safety pin in place.
- Use extreme care in positioning sign during windy conditions as weather vanning is possible.
- Batteries contain explosive gas. Do not incinerate. Charge only in a well-ventilated area away from ignition sources. To be recharged by adults only. Use only the on-board or recommended charger. Do not make a direct connection between POS (+) and NEG (-) terminals, fire and/or severe burns could result.

If the person receiving this handout will not be the user of the equipment, forward these instructions to the operator. **IF** there is any doubt as to the operation or safety of the equipment, **DO NOT USE!!! CALL A TOOL SHED IMMEDIATELY!!! FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN INJURY OR DEATH**

# Messages

## Quick Message

The Quick Message is a single, reserved message (message number C100) you can quickly create, edit, and select to display on the sign.

1. Log into the system and then press **Create**.
2. To view/edit the Quick Message, press **Edit Previous**.  
To make a new Quick Message, press **Create New**.
3. Use the **←**, **→**, **↑**, **↓** buttons to move the cursor. The **⇐** button erases the character to the left of the cursor. The **␣** button inserts a space.
4. Edit or type the message text.
5. When finished, press **Save**, then press **Activate This Message**. Wait for the controller to return to the Main screen. The selected message appears under "Message On Sign."

## Create a new custom message

1. Log into the system and then press **Select**.
2. Press **C-Msg** to view the custom messages list.
3. Custom messages are numbered C001 through C250. Message number C100 is reserved for the Quick Message (see above). Use **Prev**, **Next**, or **Search** to find a blank message.
4. Tap on the blank message, then press **Modify This Message**.
5. Create and activate the message as described in steps 3–5 of the "Quick Message" instructions above.

## Choose a message from a message group

Press **Pick** to see a group of programmed messages.

To view more message choices, use the **▲** and **▼** buttons to move up and down through the list of groups. Press a group name to view its messages.

When you see the message you want to put on the sign, tap on the message to immediately activate it. Wait for the controller to return to the Main screen. The selected message appears under "Message On Sign."

## Choose a message not in a message group

1. Log into the system and then press **Select**.
2. Navigate to the desired message:
  - P-Msg** Displays standard preprogrammed messages
  - C-Msg** Displays saved custom messages
  - Prev** Displays the previous eight messages
  - Next** Displays the next eight messages
  - Search** Lets you search for messages by entering a specific message number. Press **P-Msg** or **C-Msg** first, then press **Search**, then enter a number and press **Ok**.
3. When you see the message you want to put on the sign, tap on the message, then press **Activate This Message** or press **Back** to choose a different message.