

WARNING ARROW 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

WARNING

- **DANGER:** This equipment has multiple pinch points that can cause dismemberment or death. Keep hands, feet and all other body parts clear at all times.
- All 4 corner stands must be down before raising board.
- Before towing, sign must be in down position. Pins must be inserted to sign in down position.
- Batteries must be recharged as soon as possible after low voltage lamp comes on.
- Position rear outriggers above ground as necessary when moving trailer by hand to prevent tip over.
- Trailer must be aligned with roadway for safe operation.
- Check for overhead obstructions before raising or lowering sign.
- Check sign visually for correct display and operation after each set up.
- **DANGER:** Batteries can produce highly flammable hydrogen gas when being recharged. Never have sparks or open flames near your batteries, and never smoke when servicing batteries. Always shield eyes and face from batteries.

WINCH OPERATING INSTRUCTIONS

The winch is designed to lift load (“reel in”) when the crank is turned in a clockwise direction. This action will produce a clicking sound. To lock load at any desired position, simply release the hand crank. To lower load (“reel out”), turn the hand crank in a counter-clockwise direction. To lock load in any desired position, turn handle crank clockwise until at least two clicks are heard before releasing handle.

WARNING: Never exceed rated winch load. Excess load may cause premature failure and could result in serious personal injury. This winch is rated at 1200 pounds with one layer of cable on a 2-1/2" hub. Using more layers of cable increases the load on the winch.

CAUTION: Never apply load to winch with cable fully extended. Keep at least three full turns of cable on the reel.

IMPORTANT: Sufficient load must be applied to the cable to overcome internal resistance and operate brake properly. Otherwise, turning the hand crank counter-clockwise will only remove the crank from the shaft as the reel will not turn. Minimum operating load requirement for the DLB-1200 winch is 75 pounds.

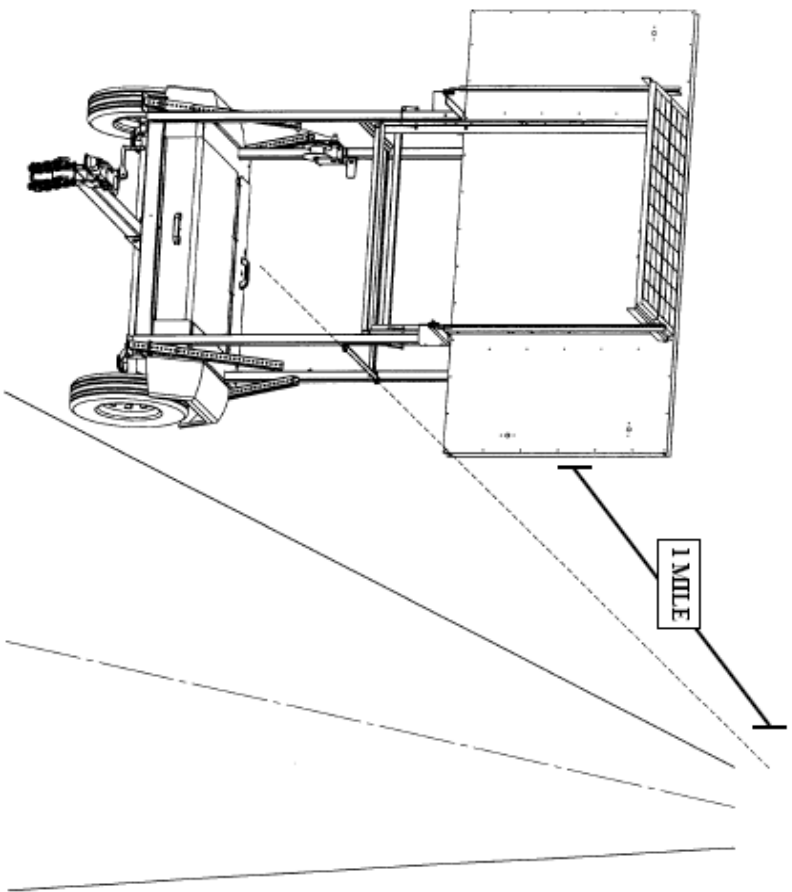
NOT FOR MOVEMENT OF HUMAN BEINGS

WINCH LUBRICATION: This winch has been fully lubricated at the factory, but for continued smooth performance and increased life, occasionally grease gears, reel shaft and handle threads. An occasional drop of oil on drive shaft bearings is also recommended.

CAUTION: DO NOT OIL OR GREASE BRAKE MECHANISM

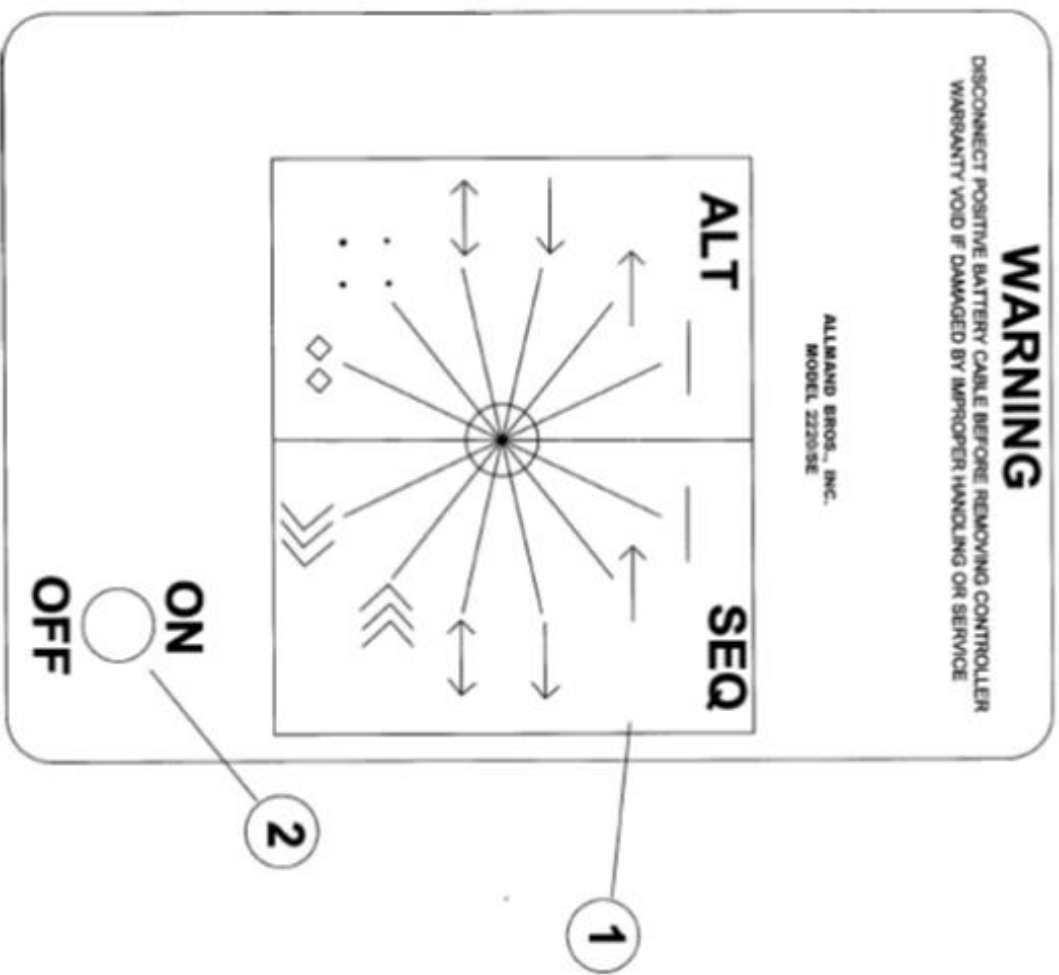
If the person receiving this handout will not be the user of the equipment, forward these instructions to the operator. **IF** there is any doubt as to the operation or safety of the equipment, **DO NOT USE!!! CALL A TOOL SHED IMMEDIATELY!!! FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN INJURY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

TRAILER ALIGNMENT ILLUSTRATION

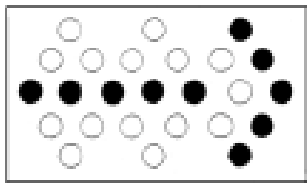


CAUTION: For safe operation and maximum visibility, sight through the eyelets midway up the right frame uprights to align the unit relative to the roadway and the horizon as illustrated above. Observe the operation of the machine from varying vantage points down the roadway to ensure that maximum visibility is maintained throughout the controlled area.

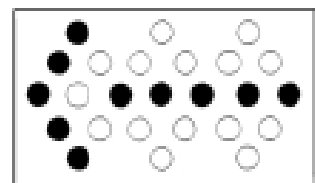
CONTROLLER ILLUSTRATION



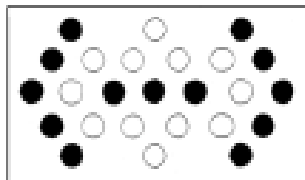
APF FLASHING ARROW DISPLAY SEQUENCES



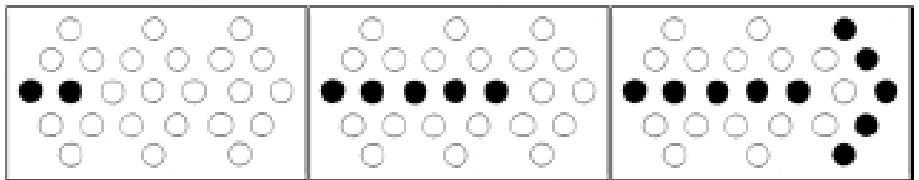
RIGHT FLASHING ARROW



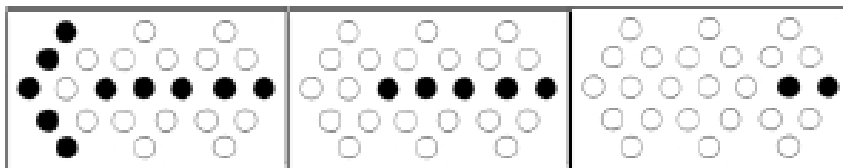
LEFT FLASHING ARROW



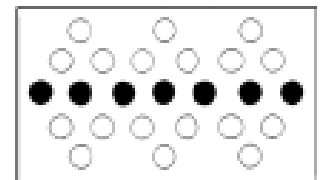
DOUBLE FLASHING ARROW



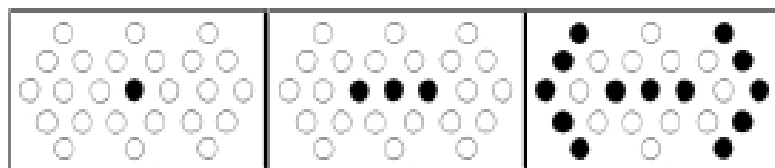
RIGHT SEQUENTIAL ARROW



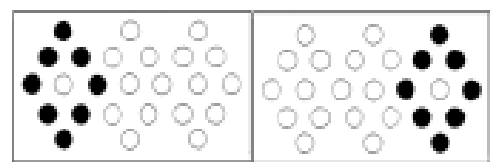
LEFT SEQUENTIAL ARROW



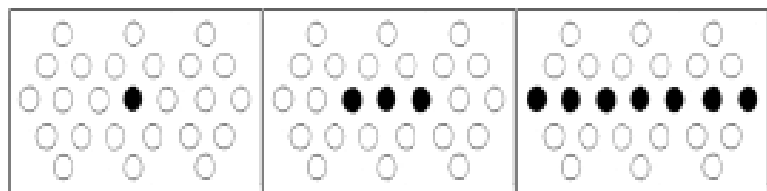
FLASHING WARNING BAR



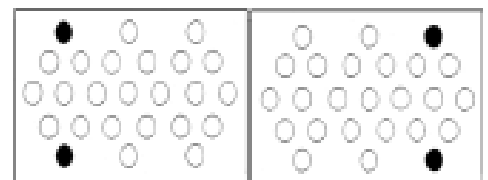
DOUBLE SEQUENTIAL ARROW



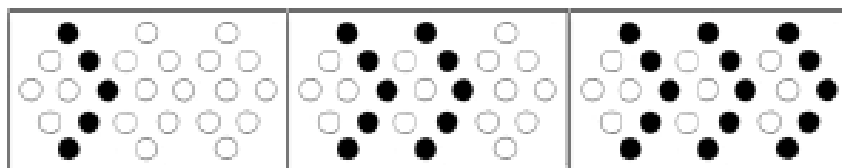
DOUBLE DIAMOND WARNING



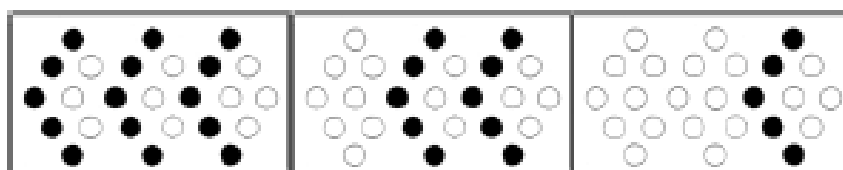
SEQUENTIAL WARNING BAR



4-CORNER WARNING DISPLAY



RIGHT SEQUENTIAL CHEVRON



LEFT SEQUENTIAL CHEVRON

CONTROLLER FEATURES AND OPERATION

1. MODE SWITCH: Selects display mode. Rotate switch to select desired display. 15 lamp **ALT** display choices include:

- **LEFT ALTERNATING ARROW**
- **LEFT SEQUENTIAL ARROW**
- **RIGHT ALTERNATING ARROW**
- **RIGHT SEQUENTIAL ARROW**
- **LEFT/RIGHT ALTERNATING ARROW**
- **LEFT/RIGHT SEQUENTIAL ARROW**
- **ALTERNATING CAUTION BAR**
- **4-CORNER WARNING**

The optional 25 lamp **APF** display offers the following display choices in addition to the above:

- **LEFT SEQUENTIAL CHEVRON**
- **RIGHT SEQUENTIAL CHEVRON**
- **DOUBLE DIAMOND WARNING**
- **SEQUENTIAL CAUTION BAR**

2. ON-OFF SWITCH: Turns display on or off.

****CIRCUIT BREAKER:** 6 amp auto-reset breaker protects controller from shorts in wiring or lamps.

**** PHOTOCCELL:** Located inside bottom frame channel of sign panel directly below controller.

This system automatically varies lamp intensity relative to ambient sunlight. Photocell location prevents false brightening of lamps by oncoming vehicle lights.

**** LOW VOLTAGE DISCONNECT WARNING LAMP (Not Shown):** Located on sign panel directly behind controller, flashes intermittently if battery voltage drops below 11.5 volts. At this time maintenance personnel must take corrective action, as machine shut-down is imminent.. **(NOTE: Sign panel will default to a 4-corner warning display if battery voltage falls below 10.5 volts.)**

**** POLARITY PROTECTION (Not Shown):** Fuse located on P.C. board behind face panel protects against damage to controller from reversed battery polarity.