

SILENT SENTINEL Arrow Board User's Guide

Basic Operation

Positioning

Check for proper positioning of arrow panel by sighting through sight tubes toward location of approaching traffic.

Fully extend jack stands. Jack stands should be used anytime the unit is not attached to a tow vehicle.

 **Chock wheels before detaching from vehicle.**

Raising Arrow Panel

Retract locking pins, erect sign panel with winch, release locking pins.

 **Check for overhead wires and obstructions.**

 **Keep hands clear of lifting mechanism at all times.**

 **Do not stand under arrow panel while raising or lowering.**

Operation

1) Select desired pattern. Set lamp brightness to auto for normal day-night operation.

2) Ensure arrow panel is displaying the correct pattern and is visible to drivers approaching the work zone.

Security

- Remove coupler and/or tongue for added security.
- Trailer coupler & winch handle can be stored in locked battery compartment for additional security.
- Always lock battery compartment to prevent tampering with control panel.

General Maintenance

- Check battery fluid level once each month. Add distilled water if level is below indicating ring. (N/A Gel-Cell batteries)

 **Avoid contact with battery fluid at all times. Should contact occur, flush with water and seek medical attention immediately.**

 **No smoking or open flames near battery compartment!**

- Lubricate pivot points and tongue jack screw shaft (lube hole on outer tube near handle) every 3 months. Use a quality grade of chain lube.
- Check tire pressure during regular maintenance. Correct pressure is 26psi (200kPa).
- Clean lamp lenses and solar panels periodically as required.

Transporting Checklist

- Switch control module off.
- Close and latch battery compartment cover.
- Secure battery compartment with padlock.
- Insure arrow panel lowered on rear support - cable slack.
- Secure all jack stands in retracted position.
- Secure all locking pins in appropriate positions.
- Connect and lock coupler onto tow vehicle.
- Retract and lock tongue jack in horizontal position.
- Install safety chains, crisscrossed under tongue.
- Connect stop and tail lights and check function.
- Periodically check tire pressure and coupler integrity.

Lamp Replacement (P/N 940-025-146)

- 1) Loosen screws around lamp shrouds one full turn.
- 2) Turn shroud slightly counterclockwise and remove.
- 3) Remove wire terminals from lamps. Be sure to grasp terminals to prevent damage to wires or lamps.
- 4) Reconnect terminals to new lamp.
- 5) Replace lamp & shroud. Make sure that the lamp is positioned correctly. Do not over-tighten shroud mounting screws.

Controller Replacement (P/N AB-25-935)

- 1) Remove four black nylon snap rivets mounting controller to battery box mounting plate.
- 2) Disconnect all locking electrical connections.
- 3) Installation is the reverse of removal.



For complete operation and maintenance manuals as well as diagrams, software updates and more please visit Product Support at:

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