



Harness the Power of the Sun

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Silent Advisor Radar Speed Trailer User's Guide

Basic Operation: *Positioning*

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

2) 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.

⚠ Check for overhead wires and obstructions.

⚠ Keep hands clear of lifting mechanism at all times.

⚠ Do not stand under sign panel while raising or lowering.

Operation

3) Using special torx tool provided, adjust digits on speed limit sign to display desired speed limit.

4) Raise sign panel to operating position and engage safety locking pins.

5) Turn main power on and wait for control console to complete boot-up and initialization process.

6) Once SolarTech "Splash Screen" is displayed, touch "Log In" button.

7) If required, enter a valid password and touch "OK".

8) Adjust Lower Limit, Upper Limit and Refresh Rate for *Over-Speed Display*.

9) Adjust Upper Limit and Flash Rate for *Excessive Speed Display*.

10) Select desired pattern for *Extreme-Speed Display*.

11) Touch "OK" button and return control console to stored position.

12) Using the tuning fork provided, verify proper radar operation.

13) Store special torx tool & tuning fork in battery compartment - close, latch and lock battery compartment cover.

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 jack screw shafts (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 26 psi (200 kPa).
- Clean sign panels and solar panels periodically as required.

Transporting Checklist

- Switch control module off.
- Close and latch battery compartment cover.
- Secure battery compartment with padlock.
- Insure sign 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.

LED Display Module Replacement (P/N 781-254-619)

- 1) Open sign panel door and locate the six (6) ¼-turn wing-head captive fasteners on the LED Display Module to be replaced.
- 2) Rotate each ¼-turn fastener counter-clockwise ¼-turn and carefully remove module from sign panel.
- 3) Remove power and data connector from module by squeezing the two locking tabs and pulling the connector free.
- 4) Insert connector into new replacement module until two (2) clicks are heard (both locking tabs are engaged).
- 5) Insert replacement module back into sign panel.
- 6) Push and rotate all six (6) ¼ turn captive fasteners clockwise until secure.
- 7) Close and latch sign panel door.
- 8) Restart control console if necessary.

Control Console Replacement (P/N MB-22-915)

- 1) Raise control console into operating position.
- 2) Disconnect all AMP-CPC, Ethernet, USB, and DB-9 serial connectors from back of control console.
- 3) Rotate the controller slide locks located just underneath the small flat supports with two rubber bumpers at the top of each track (normally covered by the control console lifting handles when controller is in stored position) outwards to open slide tracks.
- 4) Lift controller up and out of the slide tracks.

Reinstall control console by reversing procedure.

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

www.solartechtechnology.com

P/N: 550-910-130 Rev.D