

SAFETY NOTES



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

This manual contains DANGERS, WARNINGS, CAUTIONS, NOTICES and NOTES which must be followed to prevent the possibility of improper service, damage to the equipment, personal injury or death. The following formatting options will apply when calling the reader's attention to the DANGERS, WARNINGS, CAUTIONS, NOTICES and NOTES.

▲ DANGER

**INDICATES A HAZARDOUS SITUATION WHICH, IF NOT AVOIDED,
WILL RESULT IN DEATH OR SERIOUS INJURY.**

▲ WARNING

**Indicates a hazardous situation which, if not avoided,
could result in death or serious injury.**

▲ CAUTION

Indicates a hazardous situation which, if not avoided, may result in minor or moderate injury.

NOTICE

Indicates a hazardous situation which, if not avoided,
may result in property or equipment damage.

Note: Notes contain additional information important to a procedure and will be found within the regular text body of this manual.

OPERATING SAFETY



Before using the solar trailer, be sure you read and understand all of the instructions! This equipment was designed for specific applications; DO NOT modify or use this equipment for any application other than which it was designed for. Equipment operated improperly or by untrained personnel can be dangerous! Read the operating instructions and familiarize yourself with the location and proper use of all instruments and controls. Inexperienced operators should receive instruction from someone familiar with the equipment before being allowed to operate or set up the solar trailer. The following points should be practiced at all times:

- The area immediately surrounding the solar trailer should be dry, clean, and free of debris.
- Position and operate the solar trailer on a firm, level surface.
- **NEVER** operate a unit in need of repair.
- Lower tower when not in use, or if high winds or electrical storms are expected in the area.
- Make certain solar trailer is well grounded and securely fastened to a good earthen ground.
- When raising the mast, make sure area above devices is open and clear of overhead wires and obstructions.
- Keep the area beside trailer clear of people while raising and lowering mast!
- Trailer must be leveled and outriggers extended before raising tower. Outriggers must remain extended while tower is up.
- If for any reason any part of mast hangs up or winch cable develops worn while raising or lowering tower, STOP immediately and replace it.
- **NEVER** remove safety pin or pull mast locking pin while tower is up!
- **NEVER** use tower if insulation on electrical cord is cut or worn through.
- If used in dense crowds, please set up guards 5 meters away from the unit.
- **NEVER** take power directly from the batteries.

- If not being used for a long time, please turn off the breaker for the batteries.
- **NEVER** operate electric winch in neutral position when the mast is extending. (Optional electric winch is selected.)
- During mast extending, once the hole for locking pin aligns, stop operating the manual/electric winch.
- During solar charge process, do not unplug each panels and the connectors for solar input on the trailer. It will lead to severe personal injury and equipment damage.
- **NEVER** put conductive metal objects on the batteries.
- Do not forget to insert the safety locking pin when cranking up the outrigger.

SERVICE SAFETY



This unit includes solar modules and batteries which are with high voltage circuits capable of causing serious injury or death. Only a qualified electrician should troubleshoot or repair electrical problems occurring in this equipment.

- Before servicing solar trailer, make sure the breakers for solar modules, batteries and cameras are turned OFF. Disconnect the solar panels and batteries.
- **NEVER** allow water to accumulate around the base of the tower. If water is present, **DO NOT** service!
- **NEVER** wash the unit with a power washer or high-pressure hose.
- Please wear goggles and insulating gloves, using insulation wrench to replace the batteries.
- **NEVER** disassemble and repair the mast in uneven place. The mast must be hung and installed with equipment.
- **NEVER** replace the tires and outriggers or adjust and fix the brake system in uneven place.
- **NEVER** replace the manual (electric/hydraulic cylinder) winch when the mast is extending.
- Make sure slings, chains, hooks, jacks, and other types of lifting devices are attached securely and have enough weight-bearing capacity to lift or hold the equipment safely. Always remain aware of the position of other people around you when lifting the equipment.
- WIRE ROPE LUBRICANT WRG3600 is recommended and needs to be maintained once a year.
- Regularly clean the ropes of mast and exposed part.

TOWING SAFETY



Towing a trailer requires care! Both the trailer and vehicle must be in good condition and securely fastened to each other to reduce the possibility of an accident. Also, some countries require that trailers be registered and licensed. Contact your local Department of Transportation office to check on license requirements for your particular unit.

- Check that the hitch and coupling on the towing vehicle are rated equal to, or greater than, the trailer's "gross vehicle weight rating" (GVWR).
- Check tires on trailer for tread wear, inflation, and condition.
- Inspect the hitch and coupling for wear or damage. **DO NOT** tow trailer using defective parts!
- Make sure the trailer hitch and the coupling are compatible. Make sure the coupling is securely fastened to the vehicle.
- Connect safety chains in a crossing pattern under the tongue and if the trailer is with electric brake, attach the breakaway cable **TO THE REAR BUMPER OF THE TOWING VEHICLE**. Do not attach the cable to the trailer hitch.
- Make sure directional and brake lights on the trailer are connected and working properly.
- Check that all lug nuts holding wheels on are tight and that none are missing.
- **Maximum recommended speed for highway towing is 45 m.p.h (72km/h)**. Recommended off-road towing speed is not to exceed 10 m.p.h. or less depending on terrain.

When towing, maintain extra space between vehicles and avoid soft shoulders, curbs, and sudden lane changes. If you have not pulled a trailer before, practice turning, stopping, and backing up in an area away from heavy traffic.

Fill grease on the coupler will extend coupler life and eliminate squeaking. Wipe the coupler clean and apply fresh grease each time the trailer is towed.