

# **SOLAR**



## **1924 Vehicle Memory Saver User's Manual**

### **⚠ WARNING**



Failure to follow instructions may cause damage or explosion, always shield eyes.

**Read entire instruction manual before use.**

**⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause birth defects or other reproductive harm, and Vinyl-Chloride, Styrene and Acrylonitrile, which are known to the State of California to cause cancer.

## WARNING



Read these instructions completely before using the Memory Saver and save them for future reference. Before using the tester near a car, truck or boat, read these instructions and the instruction manual/safety information provided by the car, truck, boat or equipment manufacturer. Following all manufacturers' instructions and safety procedures will reduce the risk of accident.



Working around lead-acid batteries may be dangerous. Lead-acid batteries release explosive gases during normal operation, charging and jump starting. Carefully read and follow these instructions for safe use. Always follow the specific instructions in this manual and on the Memory Saver each time you use it. All lead-acid batteries (car, truck and boat) produce hydrogen gas which may violently explode in the presence of fire or sparks. **Do not smoke, use matches or a cigarette lighter while near batteries.** Do not handle the battery while wearing vinyl clothing because static electricity sparks are generated when vinyl clothing is rubbed. Review all cautionary material on the tester and in the engine compartment.



Always wear eye protection, appropriate protective clothing and other safety equipment when working near lead-acid batteries. Do not touch eyes while working on or around lead-acid batteries.



Use extreme care while working within the engine compartment, because moving parts may cause severe injury. Read and follow all safety instructions published in the vehicle's Owner's Manual.

**Note:** Please charge your unit immediately upon purchase, after each use and every 30 days when not in use to keep the Memory Saver's internal battery charged for long service life.

**Note:** To prevent short circuit and loss of vehicle memory, do not allow vehicle's disconnected battery cables to touch each other or a vehicle ground.

## ***Personal Precautions***

To reduce the risk of electric shock, unplug the Memory Saver from the AC supply before operating, maintaining or cleaning the unit.

Have plenty of fresh water and soap nearby in case battery acid contacts skin, clothing or eyes. Protective eyewear should always be worn when working near lead-acid batteries.

If battery acid contacts skin or clothing, wash immediately with soap and water. If acid enters eye, immediately flood eye with running cold water for at least 10 minutes and get medical attention immediately.

Be extra cautious to reduce risk of dropping a metal tool onto a battery. It might spark or short circuit the battery or another electrical part that may cause explosion.

Remove personal metal items such as rings, bracelets, necklaces and watches when working with a lead-acid battery. A lead-acid battery can produce a short-circuit current high enough to weld a ring or the like to metal, causing a severe burn.

***NEVER*** test, charge, jump start or otherwise operate a frozen battery.

Do not submerge in water.

Do not operate with flammables such as gasoline, etc.

If the Memory Saver receives a sharp blow or is otherwise damaged in any way, have it checked by a qualified service person.

Make sure the Memory Saver cable connectors make tight connections.


## ***Operating Instructions***

Preserve Vehicle Memory and Presets  
(Connected via Integrated OBDII Cord)

**Note:** Make sure that the Memory Saver is fully charged prior to using it for this purpose to ensure it has enough reserve capacity to accomplish its task.

1. The Memory Saver's integrated OBDII cable exits the unit from the rear case and is stored in a storage pocket on the back of the unit. To access the OBDII cable, remove the storage pocket door. Once the cable has been pulled out of the storage pocket, the storage pocket door should be put back into place, with the cable exiting through the hole at the top of the door.
2. Prior to using, verify all vehicle loads and accessories are OFF. To prevent damage, do not use Memory Saver if vehicle's current draw is 4 amps or more when the vehicle is OFF.

**Note:** Vehicle systems often cycle after the vehicle is turned off. Cycling places demands on the vehicle's electrical system. Before using the Memory Saver, turn the vehicle OFF and wait for 25 minutes. Doing so will ensure that all vehicle cycling is completed (most vehicles).

3. Connect the Memory Saver's OBDII cable to the vehicle's OBDII port. Make sure the connection is secure.
4. Press the Power Button  and hold for 3 seconds to activate the unit. You should get a Green 100% charged light indicating the unit is ready for service. If you get a ~75% charged light, you will have only a limited amount of reserve capacity to work with. The unit should be recharged. If the red LED (<50%) is lit or no LED lights, recharge the unit immediately.
5. Disconnect the vehicle's battery cable terminals and replace the battery.

**Note:** To prevent short circuit and loss of vehicle memory, do not allow vehicle's disconnected battery cables to touch each other or a vehicle ground.

6. Upon battery replacement, deactivate the unit by pressing and holding the power button for 3 seconds. Disconnect Memory Saver from vehicle and store the OBDII cord.


**Note:** If the unit is powered and idle for 4 hours, it will automatically turn off.

## Preserve Vehicle Memory and Presets (Connected via provided Male-Male DC Cord)

**Note:** Make sure that the Memory Saver is fully charged prior to using it for this purpose to ensure it has enough reserve capacity to accomplish its task.

1. Prior to using, verify all vehicle loads and accessories are OFF. To prevent damage, do not use Memory Saver if vehicle's current draw is 4 amps or more when the vehicle is OFF.

**Note:** Vehicle systems often cycle after the vehicle is turned off. Cycling places demands on the vehicle's electrical system. Before using the Memory Saver, turn the vehicle OFF and wait for 25 minutes. Doing so will ensure that all vehicle cycling is completed (most vehicles).

2. Connect one end of the provided Male-Male DC cord to the vehicle's power port. Make sure the connection is secure.
3. Connect the other end of the provided Male-Male DC cord to the Memory Saver's power port. Make sure the connection is secure.
4. Press the Power Button  and hold for 3 seconds to activate the unit. You should get a Green 100% charged light indicating the unit is ready for service. If you get a ~75% charged light, you will have only a limited amount of reserve capacity to work with. The unit should be recharged. If the red LED (<50%) is lit or no LED lights, recharge the unit immediately.
5. Disconnect the vehicle's battery cable terminals and replace the battery.

**Note:** To prevent short circuit and loss of vehicle memory, do not allow vehicle's disconnected battery cables to touch each other or a vehicle ground.

6. Upon battery replacement, deactivate the unit by pressing and holding the power button for 3 seconds. Disconnect both ends of the Male-Male DC cord and store for future use.

**Note:** If the unit is powered and idle for 4 hours, it will automatically turn off.

## Checking the Memory Saver's Charge Status

To check the unit's internal state of charge and its readiness to perform its intended task, press and hold the Power Button down for 3 seconds. The Internal Status Indicators below the Power Button will provide information as to the unit's state of charge:

- Green indicates the unit is at or near a fully charged state and ready for use.
- Yellow indicates that the unit is between 50-75% state of charge. It should be charged soon. In this state, its ability to supply power will be limited in duration.
- Red indicates that the unit is below 50% state of charge and should be charged immediately.
- No lights showing means that the unit is severely discharged. It should be charged immediately and completely to reduce the chance of sulfation build-up, which would rob it of its reserve capacity.

**Note:** Please charge your unit immediately upon purchase, after each use and every 30 days when not in use to keep the Memory Saver's internal battery charged for long service life.

## Recharging Your Memory Saver

**Note:** The Memory Saver should be idle and disconnected from all power drains when recharging is performed.

1. Plug the provided AC/DC adapter into a properly grounded 120VAC wall outlet.
2. Plug the small charging jack on the end of the AC/DC adapter cord into the charging port on the left of the front of the unit.

3. The charging indicator LED should light yellow.

**Note:** If the red “FAULT” LED lights when the AC connection is made, check all connections. If all connections are correctly seated, suspect a faulty battery.

4. When the unit has reached full charge, the yellow CHARGING LED will turn off and the green FULL LED will light. The unit is ready for service. The unit is equipped with overcharge protection and can remain connected to AC indefinitely without adverse consequences.

**Note:** If the unit is charging for over 24 hours without achieving a green FULL LED, the internal battery may be compromised.