



Model: OBD-L On-Board-Diagnostics II Memory Saver Detector



OWNERS MANUAL

IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS – This manual will show you how to use your memory saver detector safely and effectively. Please read, understand and follow these instructions and precautions carefully, as this manual contains important safety and operating instructions.

WORKING IN THE VICINITY OF A LEAD-ACID BATTERY IS DANGEROUS. BATTERIES GENERATE EXPLOSIVE GASES DURING NORMAL OPERATION. FOR THIS REASON, IT IS IMPORTANT THAT YOU FOLLOW THESE INSTRUCTIONS EACH TIME YOU USE THE MEMORY SAVER DETECTOR.

- Read the entire manual before using this product. Failure to do so could result in serious injury.
- Use the memory saver detector in a well-ventilated area.
- This memory saver detector is not intended for use by children.
- Do not expose the memory saver detector to rain or snow.
- Do not operate the memory saver detector if it has received a sharp blow, been dropped or otherwise damaged in any way; take it to a qualified service person.
- Inspect the battery for a cracked or broken case or cover. If the battery is damaged, do not use the memory saver detector.
- Do not disassemble the memory saver detector; take it to a qualified service person when service or repair is required. Incorrect reassembly may result in a risk of fire or electric shock.
- Follow these instructions and those published by the battery manufacturer and the manufacturer of any equipment you intend to use in the vicinity of the battery. Review the cautionary markings on these products and on the engine.

PERSONAL SAFETY PRECAUTIONS

- Wear complete eye protection and protective clothing when working near lead-acid batteries. Always have someone nearby for help.
- Have plenty of fresh water, soap and baking soda nearby for use, in case battery acid contacts your eyes, skin or clothing. Wash immediately with soap and water and seek medical attention.
- If battery acid comes into contact with eyes, flush eyes immediately for at least 10 minutes and get medical attention.
- Neutralize any acid spills thoroughly with baking soda before attempting to clean up.
- Remove all personal metal items from your body, such as rings, bracelets, necklaces and watches. A lead-acid battery can produce a short circuit current high enough to weld a ring to metal, causing a severe burn.
- Never smoke or allow a spark or flame in the vicinity of the battery or engine.

USING THE MEMORY SAVER DETECTOR

Use the memory saver detector cable to save the vehicle's on-board diagnostic computer settings (radio programs, diagnostic codes, etc.) while the battery is disconnected from the vehicle during repair or maintenance.

NOTE: Some vehicle manufacturers do not allow the use of a memory saver through the OBDII. Consult the vehicle manufacturer before use, to determine if a memory saver is acceptable for use on the vehicle.

1. Make sure that the power source used is greater than or equal to 12VDC. If using a portable battery device, make sure it is fully charged.

2. Turn off the vehicle, remove the key, and make sure all accessories are off.

WARNING: Verify all vehicle accessories are OFF (fan, interior lights, etc.). Headlights must be in OFF position, not AUTO position. To prevent overloading of a vehicle fuse, OBD-L fuse or other vehicle damage, do not use the memory saver through the OBDII port if the vehicle's current draw is 4 amps or more when the vehicle is in a KEY OFF condition (use an amp clamp to measure the amperage draw). If unable to measure the vehicle's current draw, turn the vehicle's key to the OFF position and wait 25 minutes. This ensures that all retained accessories are in a power OFF state (for example: fan, headlights, etc.).

3. Connect the 12V power plug of the OBD-L to your 12V DC power supply. Make sure plug is firmly in place. The yellow **CONNECTED** LED in box #1 will light, indicating a good connection.

WARNING: Do not connect the 12V power plug of the OBD-L into the power outlet within the same vehicle from which you are removing the battery.

4. Connect the OBD-L 12V OBD diagnostic connector to the vehicle's OBD plug. Make sure the connector is fully engaged. The yellow **CONNECTED** LED in box #2 will light, indicating a good connection.

5. Verify that the green **PROCEED** LED in box #3 is lit, indicating you may disconnect the vehicle's battery. If the red **DO NOT PROCEED** LED in box #3 lights, **do not disconnect the vehicle's battery; disconnect the OBD-L** and check the internal fuse or contact a qualified service personnel for electrical system repair.

6. Disconnect the vehicle's battery cables and cover the positive and negative cables with an insulator, such as electrical tape. This prevents the connectors from touching metal, each other, or the chassis and causing a short circuit, due to the vehicle's electrical system receiving power through the OBD connection.



WARNING: When working with the vehicle's battery, review all of the battery manufacturer's safety instructions, warnings and directives regarding battery disconnection, removal and replacement.

7. Remove the old battery and put the new battery into position.
8. Remove the insulator from the positive cable and connect it to the positive terminal of the new battery.
9. Remove the insulator from the negative cable and connect it to the negative terminal of the new battery.
10. Once the new battery is connected, unplug the memory saver's OBD connector from the vehicle's OBD plug and disconnect the 12V DC plug from the 12V power supply.

FUSE REPLACEMENT

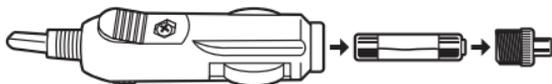
The 12V power plug adaptor operates with a supplied 5A 250V glass fuse.

1. Access the fuse compartment by turning the tip of the adaptor in a counterclockwise direction.



NOTE: The fuse is spring-loaded and caution must be taken to ensure that the spring does not "fly out" of the end of the fuse compartment when it is opened.

2. Remove the fuse and replace it with one of the same type and rating.



3. Close the adaptor by turning the tip in a clockwise direction.

TROUBLESHOOTING

PROBLEM	SOLUTION
The yellow CONNECTED LED in box #1 does not come on.	Make sure that the OBD-L's 12V accessory power plug is fully engaged with the power source connector socket. Check the fuse.
The yellow CONNECTED LED in box #2 does not come on.	Make sure that the OBD-L's diagnostics connector is fully engaged with the vehicle's OBDII socket. Check the fuse.
The red DO NOT PROCEED LED in box #3 comes on.	Indicates that the vehicle, by design, may not allow the use of the OBD-L. Check the fuse.

BEFORE RETURNING FOR REPAIRS

For information about troubleshooting,
contact customer service for assistance:

services@schumacherelectric.com
www.batterychargers.com
or call 1-800-621-5485

For **REPAIR OR RETURN**, contact Customer Service at 1-800-621-5485. **DO NOT SHIP UNIT** until you receive a **RETURN MERCHANDISE AUTHORIZATION (RMA)** number from Customer Service at Schumacher Electric Corporation.

LIMITED WARRANTY

SCHUMACHER ELECTRIC CORPORATION, 801 BUSINESS CENTER DRIVE, MOUNT PROSPECT, IL 60056-2179, MAKES THIS LIMITED WARRANTY TO THE ORIGINAL RETAIL PURCHASER OF THIS PRODUCT. THIS LIMITED WARRANTY IS NOT TRANSFERABLE OR ASSIGNABLE.

Schumacher Electric Corporation (the “Manufacturer”) warrants this memory saver detector for one (1) year from the date of purchase at retail against defective material or workmanship that may occur under normal use and care. If your unit is not free from defective material or workmanship, Manufacturer’s obligation under this warranty is solely to repair or replace your product with a new or reconditioned unit at the option of the Manufacturer. It is the obligation of the purchaser to forward the unit, along with proof of purchase and mailing charges prepaid to the Manufacturer or its authorized representatives in order for repair or replacement to occur.

Manufacturer does not provide any warranty for any accessories used with this product that are not manufactured by Schumacher Electric Corporation and approved for use with this product. This Limited Warranty is void if the product is misused, subjected to careless handling, repaired, or modified by anyone other than Manufacturer or if this unit is resold through an unauthorized retailer.

Manufacturer makes no other warranties, including, but not limited to, express, implied or statutory warranties, including without limitation, any implied warranty of merchantability or implied warranty of fitness for a particular purpose. Further, Manufacturer shall not be liable for any incidental, special or consequential damage claims incurred by purchasers, users or others associated with this product, including, but not limited to, lost profits, revenues, anticipated sales, business opportunities, goodwill, business interruption and any other injury or damage. Any and all such warranties, other than the limited warranty included herein, are hereby expressly disclaimed and excluded. Some states do not allow the exclusion or limitation of incidental or consequential damages or length of implied warranty, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and it is possible you may have other rights which vary from this warranty.

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WARRANTY CARD

**SAVE ON POSTAGE! ACTIVATE YOUR WARRANTY ONLINE –
THE QUICK AND EASY WAY!**

**Go to www.batterychargers.com to register your product online.
(No internet access? Send in the completed warranty card.)**



1 YEAR LIMITED
WARRANTY PROGRAM
REGISTRATION

MODEL: _____ **DESCRIPTION:** _____
This is the only express limited warranty, and the manufacturer neither assumes nor authorizes anyone to assume or make any other obligation. There is no other warranty, other than what is described in the product owner's manual.
The warranty card should be submitted within 30 days of purchase. The customer must keep the ORIGINAL receipt because it will be required for any warranty claims. This warranty is not transferable. Send warranty card only.

DO NOT SEND UNIT TO THIS ADDRESS FOR REPAIR.

Mail this card to:

Schumacher Electric Corporation
801 Business Center Drive
Mount Prospect, IL 60056-2179

Name _____
Street Address _____
City _____ State _____ Zip Code _____
Phone _____ Email _____
Store Name Where Purchased _____ Date of Purchase _____
Store Location _____ UPC Number _____
Serial Number _____ (SEE PRODUCT)

For faster warranty activation, go to www.batterychargers.com to register your product online.