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# SGS

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**OBD II MEMORY SAVER**

**User Manual**



**SGS TOOLS and PARTS PTY LTD**  
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Proudly made in Australia

## IMPORTANT SAFETY INFORMATION – READ FIRST

 Failure to follow these instructions may result in damage to vehicle electronics, loss of stored settings, or damage to the product.

This product supplies low-current 12V support power only.

Do NOT attempt to start the vehicle while this device is connected.

This device is intended to maintain vehicle memory systems only, not to power vehicle loads.

Always follow the correct connection and disconnection sequence.

Keep out of reach of children.

### WHAT THIS DEVICE DOES

This memory saver is designed to maintain power to vehicle electronic systems while the main vehicle battery is disconnected or replaced.

It helps prevent loss of:

Engine and transmission adaptive learning data

ECU and control module memory

Driver seat and mirror positions

Radio, clock, and infotainment settings

Bluetooth and paired device information

### POWER & BATTERY SAFETY

Designed for 18V lithium-ion power-tool batteries only

Use a fully charged battery for best results

Remove the power-tool battery after use

Do not use damaged or modified batteries

Do not expose batteries to heat, water, or flame

### BUILT-IN SAFETY FEATURES



#### Voltage Regulation

Converts 18V tool battery output to a regulated 12V supply suitable for vehicle memory circuits.



#### Resettable E-Fuse

The module contains a resettable 5A Electronic Fuse for protection.

If excessive current is drawn (e.g. short circuit or attempted engine start), the E-Fuse will trip and the red LED will light.

## To reset:

Remove the device from the vehicle and identify and correct the cause. The E-Fuse will automatically reset once the fault is rectified.



## OBD2 Plug Indicator

The OBD2 plug contains a built-in blue LED.

The LED illuminates when correctly connected to a vehicle OBD2 port.

## Built-In Over-Discharge Protection:

This product includes a specially designed over-discharge protection circuit to help protect your power-tool battery. It automatically cuts power when the battery voltage reaches its lower safe limit (approximately 15V). This prevents over-discharging, which can damage lithium-ion batteries.

When cutoff occurs, the device will power down and must be switched off and fitted with a charged battery before further use.



This protection feature does not eliminate the need for proper battery care and storage.

## PARTS OVERVIEW

18V battery interface module with integrated voltage regulation / protection

Resettable 5A E-Fuse (red LED)

Approx. 50cm cable

OBD2 diagnostic connector with blue LED indicator

## BEFORE USE

Ensure the vehicle is turned OFF.

Remove ignition key / ensure push-button start vehicles are fully shut down.

Turn off all accessories (lights, HVAC, audio).

Ensure the power-tool battery is fully charged.

## OPERATING INSTRUCTIONS

### 1. Connect to Power-Tool Battery

Attach the memory saver module securely to the 18V power-tool battery.

### 2. Connect to Vehicle OBD2 Port

Locate the vehicle's OBD2 diagnostic port (typically under the dashboard).

Insert the OBD2 plug fully into the port.

Confirm the blue LED on the plug illuminates, indicating connection.

### **3. Replace Vehicle Battery**

With the memory saver connected and blue LED illuminated:  
Disconnect and replace the vehicle's main battery as required  
Avoid operating electrical accessories during this time

 Do not attempt to start the vehicle while memory saver is connected.

### **4. Disconnect After Battery Replacement**

Once the vehicle battery is securely installed:  
Remove the OBD2 plug from the vehicle  
Remove the memory saver from the power-tool battery  
Start the vehicle normally

### **ELECTRONIC FUSE OPERATION**

If the E-Fuse trips:

The device will stop supplying power

The red LED will illuminate

This may occur if:

The vehicle is accidentally started

A short circuit is present

Excessive current is drawn

Always identify and correct the cause before continuing.

### **AFTER USE & STORAGE**

Always remove the power-tool battery after use

Store in a cool, dry place

Keep away from metal objects that could short terminals

Do not store with the battery attached

### **WARNINGS & MISUSE**

 **Do NOT:**

Attempt to start the vehicle while connected

Use as a jump starter or power supply

Use on vehicles without a standard 12V OBD2 system

Modify or disassemble the device

Bypass or defeat the E-Fuse

Leave connected longer than necessary

## **INTENDED USE**

This product is intended solely for temporary memory retention in 12V vehicles during battery replacement, using a compatible 18V lithium-ion power-tool battery.

## **IMPORTANT LEGAL NOTICE (AUSTRALIA)**

This product comes with guarantees that cannot be excluded under the Australian Consumer Law (ACL).

You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage.

You are also entitled to have the product repaired or replaced if it fails to be of acceptable quality and the failure does not amount to a major failure.

## **12-MONTH LIMITED WARRANTY (AUSTRALIA)**

This product is warranted to be free from defects in materials and workmanship under normal use for 12 months from the date of purchase.

This warranty does not cover:

Damage due to misuse or incorrect connection

Damage caused by attempting to start the vehicle

Damage from incompatible or damaged batteries

Normal wear and tear

This warranty is provided in addition to your rights under the Australian Consumer Law.

## **STORAGE**

Remove battery before storage

Store in a cool, dry environment

Keep out of reach of children and unauthorised users