

# DRAPER®

## INSTRUCTIONS FOR EOBD Memory Saver

Stock No.22231 Part No.EMS

**IMPORTANT:** PLEASE READ THESE INSTRUCTIONS CAREFULLY TO ENSURE THE SAFE AND EFFECTIVE USE OF THIS PRODUCT.



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DRAPER®

### GENERAL INFORMATION

These instructions accompanying the product are the original instructions. This document is part of the product, keep it for the life of the product passing it on to any subsequent holder of the product. Read all these instructions before assembling, operating or maintaining this product.

This manual has been compiled by Draper Tools describing the purpose for which the product has been designed, and contains all the necessary information to ensure its correct and safe use. By following all the general safety instructions contained in this manual, it will ensure both product and operator safety, together with longer life of the product itself. All photographs and drawings in this manual are supplied by Draper Tools to help illustrate the operation of the product. Whilst every effort has been made to ensure the accuracy of information contained in this manual, the Draper Tools policy of continuous improvement determines the right to make modifications without prior warning.

# 1. TITLE PAGE

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## **1.1 INTRODUCTION:**

USER MANUAL FOR:

## **EOBD MEMORY SAVER**

Stock no. 22231

Part no. EMS

## **1.2 REVISIONS:**

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Date first published January 2012

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As our user manuals are continually updated, users should make sure that they use the very latest version.

Downloads are available from: <http://www.drapertools.com/b2c/b2cmanuals.pgm>

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## **1.3 UNDERSTANDING THIS MANUALS SAFETY CONTENT:**

**WARNING!** Information that draws attention to the risk of injury or death.

**CAUTION!** Information that draws attention to the risk of damage to the product or surroundings.

## **1.4 COPYRIGHT © NOTICE:**

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### 2.1 CONTENTS

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## 3. GUARANTEE

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### 3.1 GUARANTEE

Draper tools have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship.

Should the tool develop a fault, please return the complete tool to your nearest distributor or contact Draper Tools Limited, Chandler's Ford, Eastleigh, Hampshire, SO53 1YF. England. Telephone Sales Desk: (023) 8049 4333 or Product Helpline (023) 8049 4344.

A proof of purchase must be provided with the tool.

If upon inspection it is found that a fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. The guarantee period covering parts/labour is 12 months from the date of purchase. This guarantee does not apply to normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accidents, or repairs attempted or made by any personnel other than the authorised Draper warranty repair agents.

Note: If the tool is found not to be within the Terms of Warranty, repair and carriage charges will be quoted and made accordingly.

This guarantee applies in lieu of any other guarantee expressed or implied and variations of its terms are not authorised.

Your Draper guarantee is not effective unless you can produce upon request a dated receipt or invoice to verify your proof of purchase within the guarantee period.

Please note that this guarantee is an additional benefit and does not affect your statutory rights. Draper Tools Limited.

Note: This tool is intended for domestic use only.

## 4. INTRODUCTION

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### 4.1 SCOPE

Normally, when you change a car's battery, the car's on-board computer will be turned off and the relevant data and personal settings (such as radio station setting, clock setting, etc) will be lost.

The memory saver can be used to keep your car's computer memory powered while you perform a battery change.

It needs an additional car or a 12V storage battery as a power supplier and outputs the voltage which it receives to the car whose battery you want to change.

It features surge voltage protection and output short circuit protection.

### 4.2 SPECIFICATION

Stock no. ....	22231
Part no. ....	EMS
Rated voltage.....	12V
Lead length.....	2.7M (approx.)

### 4.3 HANDLING & STORAGE

Although this product is small in size, care must still be taken when handling and lifting. Dropping this machine will have an effect on the accuracy and may also result in personal injury. This machine is not a toy and must be respected.

The environment will have a negative result on its operation if you are not careful. If the air is damp, components will rust. If the product is unprotected from dust and debris; components will become clogged: And if not cleaned and maintained correctly or regularly the machine will not perform at its best.

## 5. UNPACKING & CHECKING

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### 5.1 PACKAGING

Carefully remove the memory saver from the packaging and examine it for any sign of damage that may have happened during shipping. Lay the contents out and check them against the parts shown below. If any part is damaged or missing; please contact the Draper Helpline (the telephone number appears on the Title page) and do not attempt to use the memory saver.

The packaging material should be retained at least during the guarantee period: in case the item needs to be returned for repair.

Warning! Some of the packaging materials used may be harmful to children. Do not leave any of these materials in the reach of children.

If any of the packaging is to be thrown away, make sure they are disposed of correctly; according to local regulations.

## 6. SETTING THE MEMORY SAVER

### 6.1 CONNECTING THE EOBD MEMORY SAVER TO A POWER SUPPLY

Connect the black crocodile clip and the red crocodile clip to a 12V storage battery to be used as power supply. (Note: The red crocodile clip must be connected to the positive terminal of the storage battery, and the black crocodile clip must be connected to the negative terminal of the storage battery).

#### NOTE

If green lights are displayed this means the storage battery voltage is over 10V and ok to proceed.

If red light is displayed this means storage battery voltage is under 10V and not to be used.

If green lights are flashing this means the storage battery voltage is at 10V and would recommend not to use.

### 6.2 CONNECTING THE EOBD MEMORY SAVER TO THE VEHICLE WHOSE BATTERY YOU WANT TO CHANGE

Insert its output plug to the 16 pin EOBD socket of the car whose battery you want to change.

**Warning:** Always avoid contact between the red & black crocodile clips, otherwise damage to vehicle electronics may occur.

Disconnect the battery from the vehicle while the connection between the EOBD memory saver and the car remains. Connect a new battery to the vehicle, making sure that the polarity connections are correct.

Disconnect the EOBD memory saver from the vehicle. Finally disconnect the EOBD memory saver from its power supply.

#### NOTE

Do not short the red crocodile clip and the black crocodile clip.

Do not short the positive terminal and the negative terminal of any battery.

Always adhere to the instructions of the vehicle manual and the car's service manual when you make any connection or disconnection.

The EOBD memory saver can only be used on 12V vehicle electrical system. A too high voltage may cause damage to the EOBD memory saver.

Do not operate the 12V EOBD memory saver around explosive gas, vapour, or dust.

Use in a well ventilated area.

The EOBD memory saver's operation temperature : .....0 ~ 40°C  
storage temperature : ..... -10 ~ 50°C



## 7. EXPLANATION OF SYMBOLS

### 7.1 EXPLANATION OF SYMBOLS



WEEE

Do not dispose of Waste Electrical & Electronic Equipment in with domestic rubbish

## 8. DISPOSAL

### 8.1 DISPOSAL

- At the end of the machine's working life, or when it can no longer be repaired, ensure that it is disposed of according to national regulations.
- Contact your local authority for details of collection schemes in your area.

In all circumstances:

- Do not dispose of power tools with domestic waste.
- Do not incinerate.
- Do not abandon in the environment.
- Do not dispose of WEEE\* as unsorted municipal waste.



\* Waste Electrical & Electronic Equipment.

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- **General Enquiries:** (023) 8026 6355
- **Service/Warranty Repair Agent**  
For aftersales servicing or warranty repairs, please contact the Draper Tools Helpline for details of an agent in your local area.

YOUR DRAPER STOCKIST