EOBD & OIL
RESET TOOL

12045

CE

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

1.1 INTRODUCTION:

USER MANUAL FOR: EOBD & Oil Reset Tool
Stock No: 12045
Part No: FCR-701

1.2 REVISIONS:

Date first published May 2018.

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

Downloads are available from: http://drapertools.com/manuals

Draper Tools Limited
Hursley Road
Chandler's Ford
Eastleigh
Hampshire
SO53 1YF
UK

Website: drapertools.com
Diagnostic helpline: +44 (0) 330 0552100
Diagnostic help email: diagnostic-support@drapertools.com

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:

2.   CONTENTS

3. GUARANTEE

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:

Diagnostic Helpline: +44 (0) 330 0552100.

A proof of purchase must be provided.

If upon inspection it is found that the fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. This guarantee period covering parts/labour is 12 months from the date of purchase except where tools are hired out when the guarantee period is 90 days from the date of purchase. The guarantee is extended to 24 months for parts only. 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 agent.

Note: If the tool is found not to be within the terms of warranty, repairs 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.

4. INTRODUCTION

4.1 SCOPE
A multipurpose EOBD code reader and service tool used for basic diagnostic and service function resets. Any other application is considered misuse.

4.2 SPECIFICATION
Stock No's. 12045
Part No's. FCR-701
Rated input .... 12V $=$ 0.15A
Multilingual support .... English, French, Spanish, German.
Weight 0.298kg

Note: Draper Tools accepts no responsibility for any accident or injury arising from servicing the vehicles system. When interpreting results from the vehicle, always follow the manufacturer's recommendation for repair.

5.   HEALTH AND SAFETY INFORMATION

5.1 GENERAL SAFETY INSTRUCTIONS

For your own safety and the safety of others, and to prevent damage to the equipment and vehicles, read the full online manual at drapertools.com thoroughly before operating your scanner. The safety messages presented below and throughout this user's manual are reminders to the operator to exercise extreme care when using this device. Always refer to and follow safety messages and test procedures provided by vehicle manufacturer. Read, understand and follow all safety messages and instructions in the full online manual.

Safety Message Conventions Used
We provide safety messages to help prevent personal injury and equipment damage. Below are signal words we used to indicate the hazard level in a condition.

⚠ DANGER

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury to the operator or to bystanders.

⚠ WARNING

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury to the operator or to bystanders.

⚠ CAUTION

Indicates a potentially hazardous situation which, if not avoided, may result in moderate or minor injury to the operator or to bystanders.

5.2 SPECIFIC SAFETY INSTRUCTIONS

Always use your scanner as described in the manual, and follow all safety messages.

⚠ WARNING

Do not route the test cable in a manner that would interfere with driving controls.

Do not exceed voltage limits between inputs specified in this user's manual.

Always wear approved goggles to protect your eyes from propelled objects as well as hot or caustic liquids.

Fuel, oil vapours, hot steam, hot toxic exhaust gases, acid, refrigerant and other debris produced by a malfunctioning engine can cause serious injury or death. Do not use the scanner in areas where explosive vapour may collect, such as in below-ground pits, confined areas, or areas that are less than 18 inches (45 cm) above the floor.

Do not smoke, strike a match, or cause a spark near the vehicle while testing and keep all sparks, heated items and open flames away from the battery and fuel / fuel vapours as they are highly flammable.

Keep a dry chemical fire extinguisher suitable for gasoline, chemical and electrical fires in work area.

Always be aware of rotating parts that move at high speed when an engine is running and keep a safe distance from these parts as well as other potentially moving objects to avoid serious injury.

Do not touch engine components that get very hot when an engine is running to avoid severe burns.

Block drive wheels before testing with engine running. Put the transmission in park (for automatic transmission) or neutral (for manual transmission). And never leave a running engine unattended.

Do not wear jewellery or loose fitting clothing when working on engine.

6.   TECHNICAL DESCRIPTION

6.1 IDENTIFICATION

1   Scart connection.
2   LCD screen.
3   Erase button.
4   DTC (Digital Trouble Codes) button.
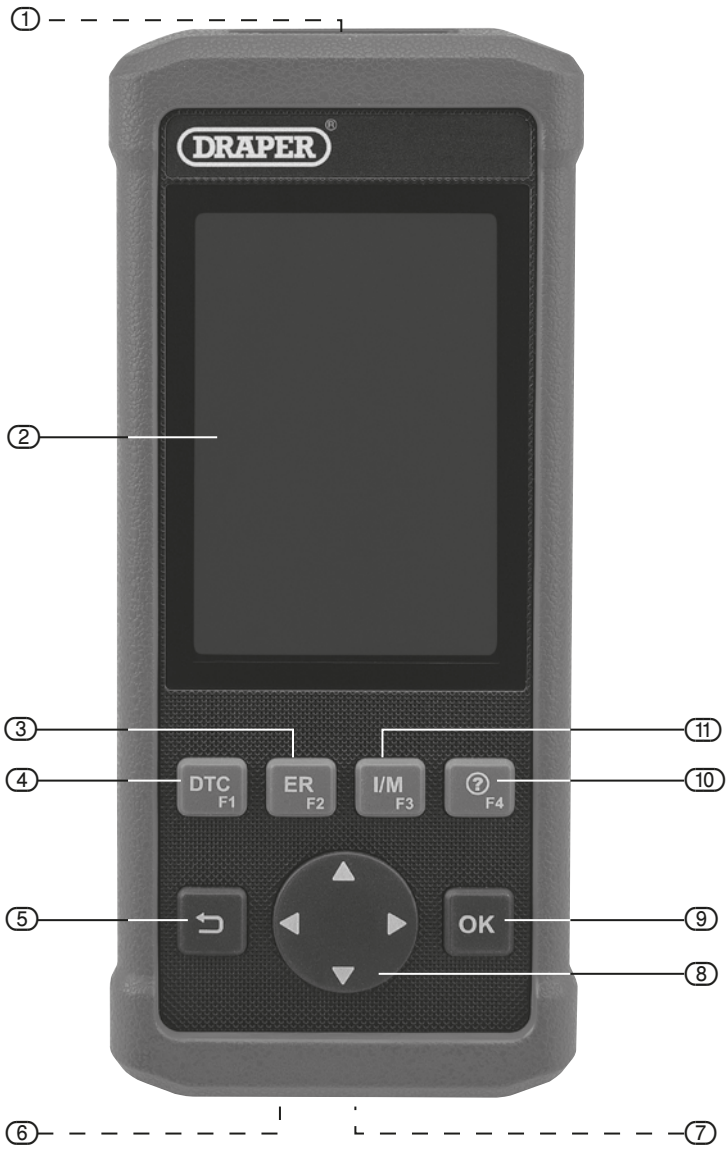5   Back to previous screen button.

6   Micro SD card slot.
7   USB Port.
8   Selection and advance button.
9   OK button.
10 Help button.
11 I/M (Inspection Maintenance) button.

7. UNPACKING AND CHECKING

7.1 PACKAGING

Carefully remove the machine 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 machine.

The packaging material should be retained at least during the guarantee period: in case the machine 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.

7.2 WHAT´S IN THE BOX?

The packaging contains several parts. Lay out the contents and check off the items against those featured below.

| ⑫ | Carry case. | ⑭ | USB 2.0 cable. |
| ⑬ | Diagnostic cable. | ⑮ | SD card holder. |

8. PREPARATION & CONNECTIONS

Note: To make sure the tool is running the latest available software. it is advisable to check for updates on a frequent basis. Refer to "Register & Update" for details.

8.1 PREPARATION
· Turn the vehicle ignition on.
· Vehicle battery voltage range should be 9-14Volts.
· Throttle should be in a closed position.

8.2 VEHICLE CONNECTION
1. Locate vehicle's DLC socket: The DLC (Diagnostic Link Connector) is typically a standard 16-pin connector where diagnostic code readers interface with a vehicle's on-board computer. It is usually located 12 inches from the centre of the steering wheel, under or around the driver's side for most vehicles.
   If the DLC cannot be found, refer to the vehicle's service manual for the location.
2. Connect the diagnostic cable into the vehicle's DLC socket.
3. Plug the other end of diagnostic cable into the diagnostic socket of the handset and tighten the captive screws.

9.   REGISTER & UPDATE

NOTE: The TF CARD should <u>NOT</u> be reformatted at any point.

This will remove all information including product serial number and register code.

If this is to happen:

1. Remove TR CARD.
2. Power unit on, the serial number and register code will display for a few seconds, capture this information to restore system.

9.1 PREREQUISITE CONDITIONS:

1. Go to http://www.dbscar.com to download the update tool and install it on the computer.

2. System requirements : Windows XP, 7, 8 or Windows 10.

There are 2 methods available to update your tool. You may choose one of the following to proceed .

9.2 METHOD 1: VIA TF CARD (RECOMMENDED)

1. Launch the update tool, a screen similar to Fig.1 will appear:

Select Language	English ▼
Product Serial Number	▼
	Device Upgrade

2. In Fig.1 type in the Product Serial Number (located at the back of the tool).

   NOTE: Once the S/N is entered, "Restore System" becomes activated, which is used to restore system if a new TF card is replaced.

3. Click [Device Upgrade] to enter the sign-up page.

   Enter the information and click [Submit] (refer to Fig. 2).

   (If you need the Register Code, please refer to steps 4~7.)

   (If you have the Register Code, directly proceed to step 8.)
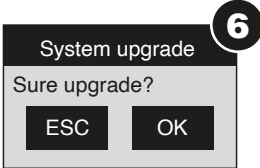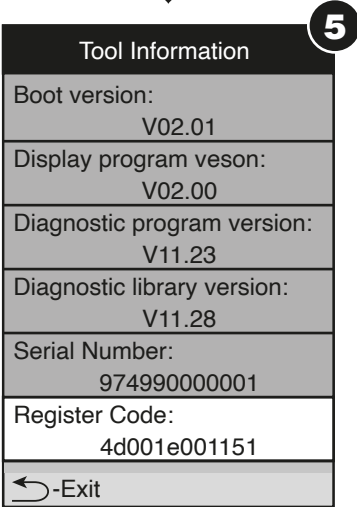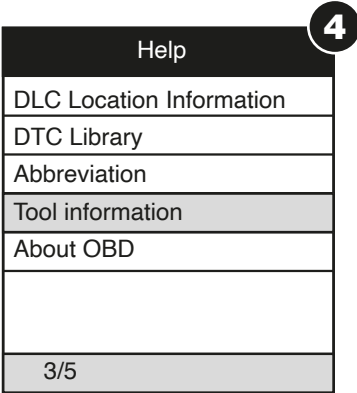

Your E-mail address:

Confirm E-mail:

Register Code:

Cancel   Submit   Exit

9.   REGISTER & UPDATE

4. The Register Code can be found in your tool. Connect one end of the USB cable to your tool, and the other end on the computer.
5. After the tool has powered up and entered the main menu screen, move the highlight bar on the **"Help"** icon and press [OK].
6. Highlight the "Tool Information" in Fig. 3 and press [OK].
7. The Register Code shown in Fig. 4 is the Register Code needed in step 3.

    (Return to step 3 and input the Register Code and then proceed)
8. Install the TF card from the tool into the supplied USB TF card adaptor and insert into the USB port of the computer.
9. Reopen the update tool, select the updates you would like to perform or click **"Select All"**, and then click [Download] to start downloading.

    (Note: For CR9 l 0, only one piece of diagnostic software can be selected and downloaded.)
10 Once all steps are complete, reinsert the TF card into the tool and power the tool via USB cable or via OBD II cable. A dialog box (Note: If only diagnostic software is updated and no firmware package is downloaded, this box will not appear) prompting you to update will pop up on the screen (See Fig. 6), select [OK].
11. The registration process is complete, your tool is now ready for use.

4

Help
DLC Location Information
DTC Library
Abbreviation
Tool information
About OBD
3/5

↓

5

Tool Information
Boot version:
V02.01
Display program veson:
V02.00
Diagnostic program version:
V11.23
Diagnostic library version:
V11.28
Serial Number:
974990000001
Register Code:
4d001e001151
↩-Exit

6

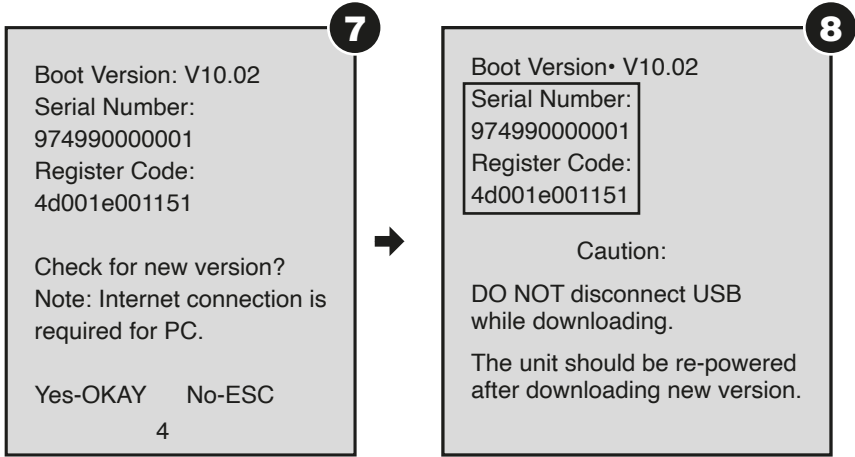| System upgrade |
| --- |
| Sure upgrade? |
| ESC   OK |

9. REGISTER & UPDATE

9.3 METHOD 2: VIA USB CABLE

Note: Make sure the computer has an Internet connection.

1. Connect one end of the USB cable to the USB port of computer, and the other end to the tool.
2. If a newer version is found, a screen similar to Fig. 7 appears.
3. Press [OK] to configure this tool as a USB device. See Fig. 8. (Note: The Serial Number and Register Code shown in this figure are needed for inputting in Steps 4-6.)

Boot Version: V10.02
Serial Number:
974990000001
Register Code:
4d001e001151

Check for new version?
Note: Internet connection is required for PC.

Yes-OKAY   No-ESC
4

Boot Version• V10.02
Serial Number:
974990000001
Register Code:
4d001e001151

Caution:

DO NOT disconnect USB while downloading.

The unit should be re-powered after downloading new version.

4. Launch the update tool, a screen similar to Fig. 9 will appear.
5. Type in the Serial Number. Click [Device Upgrade] to input the information and click [Submit] to enter the update page.

Select Language   English ▼

Product Serial Number   ▼

Device Upgrade

6. Select the updates you would like to perform or click "Select All", and then click [Download] to start downloading. (Note: For CR910, only one piece of diagnostic software can be selected and downloaded.)
7. Once all steps are complete, restart your tool. It will prompt you to upgrade, click [OK] to start updating. It may take several minutes to finish the update.
8. The update process is complete, your tool is now ready for use.

10. MAIN MENU SCREEN

10.1 FUNCTIONS

Once the tool is powered, it will enters the main menu screen, it mainly includes the following functions:
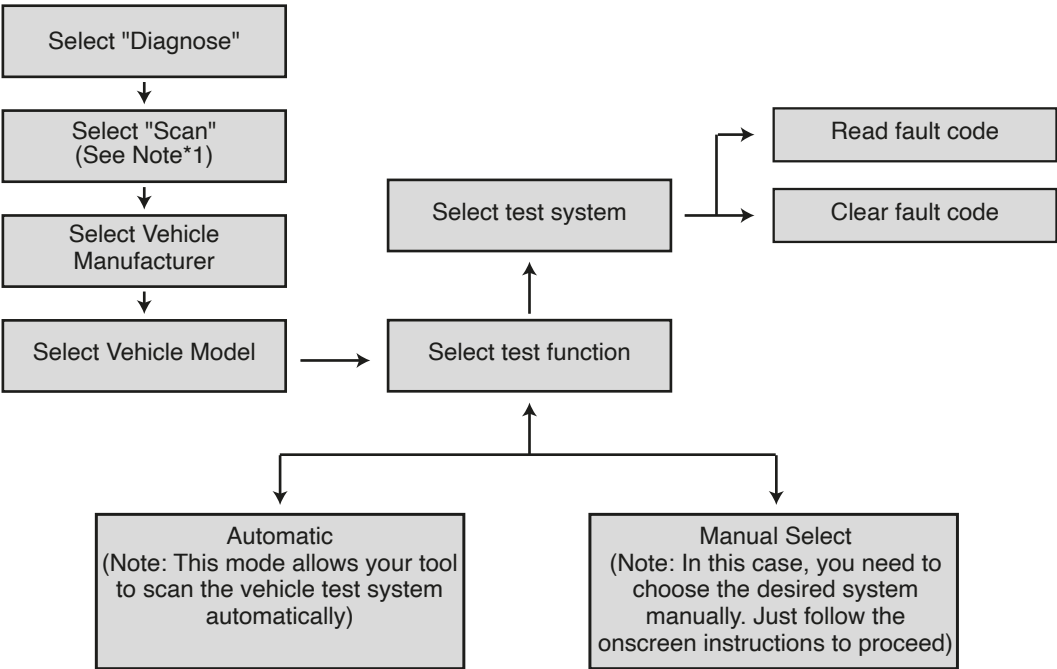
- **Diagnose:** It mainly consists of OBD/EOBD diagnosing and Reset/System Scanning (varies with product models).
- **Review:** To review the recorded DTC, datastream etc.
- **Settings:** To configure the system language, measurement units, turn on/off beeper and recording mode.
- **Help:** Includes DLC location, DTC lookup and tool information etc.

11. CHANGE LANGUAGE

The tool supports multiple languages. To change the language, select "Settings"-> "Language", choose the desired one from the list and press [OK].

12. START DIAGNOSTICS

12.1 DIAGNOSIS FLOWCHART OF VEHICLE SYSTEM

```
Select "Diagnose"
       ↓
Select "Scan"                              →  Read fault code
(See Note*1)              Select test system
       ↓                                   →  Clear fault code
Select Vehicle                    ↑
Manufacturer
       ↓
Select Vehicle Model  →  Select test function
                                  ↑
        ┌─────────────────────────┴─────────────────────────┐
        ↓                                                     ↓
   Automatic                                           Manual Select
(Note: This mode allows your tool                (Note: In this case, you need to
to scan the vehicle test system                   choose the desired system
automatically)                                    manually. Just follow the
                                                  onscreen instructions to proceed)
```

13. DISPOSAL

13.1 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.

NOTES

CONTACTS

Draper Tools Limited, Hursley Road,
Chandler's Ford, Eastleigh, Hampshire. SO53 1YF. U.K.

Diagnostic Helpline: Tel. +44 (0) 330 0552100

Sales Desk: (023) 8049 4333

Internet: drapertools.com

Diagnostic Help Email: diagnostic-support@drapertools.com

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

DBMC0518