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OBD BLOCKER  
OPERATING MANUAL



The Diagnostic **BOX**.com

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# OBD BLOCKER INTRODUCTION

## **OBD Blocker - Stop a Robber get a Blocker**

It's new, it's secure and it works. Protect your Vehicle.

Think your car is secure? Think again.

Did you know over 300,000 vehicles are stolen each year in the UK alone ?

Did you know that your car could be stolen in 20 seconds ?

Do you know what OBD is ? Car Thieves DO !

### **The inside story...**

Today's modern vehicles use many computer controlled systems, from switching the indicators to managing the engine's performance. Amongst these systems is the car security. When an authorised dealer needs to investigate a problem, specialist equipment can be connected to the OBD port in the car to send and receive electronic information. OBD stands for On Board Diagnostics and is a valuable tool in the right, trusted hands. However the same technology is now freely available to anyone who knows where to look and can be used for other less legitimate purposes.

### **WARNING!**

Organised criminals are using OBD technology to steal your car. All that's required is a low cost piece of electronics which runs key cloning software. Your pride and joy gone in seconds, maybe never to be seen again.

Protect your Vehicle with the OBD Blocking Solution.

### **What is it ?**

The OBD Blocker simply blocks unauthorised communication through the OBD port to your vehicle. This helps prevent key reprogramming or other unauthorised activities.

### **How is it installed ?**

The OBD Blocker comes as a matching pair: a small tag which is attached to your key ring for easy access and a module which is firmly connected to the existing OBD connector in the car.

### **How does it work ?**

Think of the Blocker as a switch. Without the matching tag the switch is off, so blocking unauthorised access to your car. To enable access place the tab on the module and the switch will turn on.

### **When will the tag be required ?**

The only time the tag will be required is when you take your car to a garage for repair work, service or for a breakdown recovery service like the AA.

Security at its best

[www.obdblocker.com](http://www.obdblocker.com)

# OBD BLOCKER INTRODUCTION

Congratulations on the purchase of your state-of-the-art OBD Blocker. The OBD Blocking unit can be set up quickly and easily. Simply Follow the steps on the next few pages, your vehicle will be protected in no time.

Inside the box...

- 1 x OBD Blocker
- 1 x Adhesive lined heat shrink
- 2 x Velcro pads
- 5 x Cable ties
- 2 x RFID Security Tags
- 1 x Keyring
- 1 x Window sticker
- 1 x OBD port warning cover

Additional Item...

- 1 x Specific Vehicle OBD Cable

**IMPORTANT:** It is essential to have the correct OBD Blocker and data link cable for your vehicle. If you are unsure please contact us, or refer to the application guide for more details. This can be found on the website [www.obdblocker.com](http://www.obdblocker.com)

# TOOLS REQUIRED

Heat gun to activate the heat shrink adhesive.



Trim removal set.



Diagnostic tool to test OBD Blocker is working.



Screwdrivers



Heat Blanket



Gloves

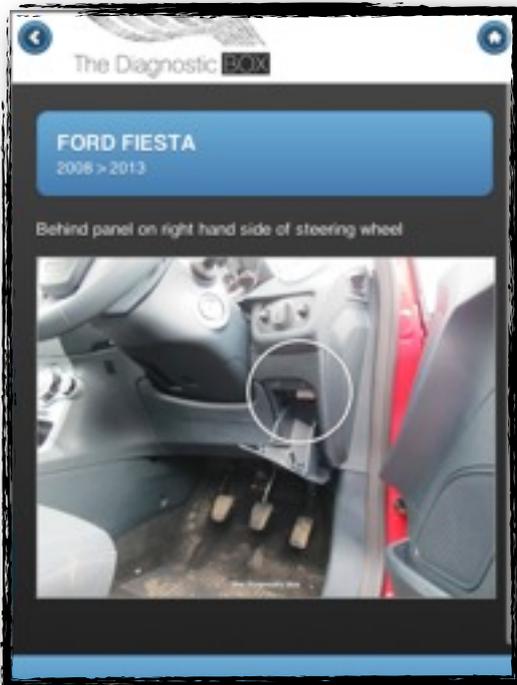


# LOCATING THE OBD CONNECTOR

The OBD connector can be in various locations inside the vehicle. These can range from under the dashboard, fascia fuse box to under a removable panel adjacent to the handbrake. If you are having difficulty locating the OBD connector, please go to the WIKI OBD website, just click on your vehicle to get the location.

[www.wikiobd.com](http://www.wikiobd.com)

Or you can download the application from the Google Play or Apple Stores.



# FITTING PROCEDURE

*Example : VW Caddy 2012 MY*

1. Locate the OBD Diagnostic Port.



2. Remove the existing OBD port from its mounting place using a trim removal kit and tools.

## FITTING PROCEDURE

NOTE : Check how the OBD port is fixed into position. Some are clipped and others are located by screws.



3. Connect the OBD Blocker to the vehicle OBD connector, ensuring you have the correct part number.



**NOTE** : Please refer to the application chart for the correct OBD Blocker and Cable number found on the web site [www.obdblocker.com](http://www.obdblocker.com)

## FITTING PROCEDURE

4. Place the piece of heat shrink around the OBD Blocker connector and vehicle OBD connector.



5. Using gloves apply heat using a hot air gun, ensuring the heat shrink is butted up against the body of the OBD Blocker.

**IMPORTANT NOTE :** It is important that you hold one side of the heat shrink in position while you are heating it up, otherwise it will shrink into the wrong position.



6. Fit the new cable into the existing mounting position of the original OBD port.

## FITTING PROCEDURE

7. Connect the cable to the OBD Blocker and fix into position into an appropriate location that can be accessed reasonably easy. Use the velcro cable ties, pads as required.



8. Switch ignition **ON**.



9. Check for communication with vehicle system used for Key Programming.





# OBD BLOCKER OPERATION

## SWITCHING ON THE OBD BLOCKER

The Blocker can now only be operated with one of the programmed RFID Tags.

To enable a garage or breakdown recovery service to access your car, simply momentarily place the Tag against the Blocker. The **GREEN** light will illuminate to show the Blocker has enabled communication for 1 hour. If a longer duration is required leave the Tag in the Blocker until work has been completed. It will remain switched on for as long as the TAG is located in the slot.

**IMPORTANT:** Don't forget to inform the Garage/Recovery Service your car is protected by OBD Blocker and inform them of the above procedure.

Keep a Tag on your Keyring but always remove it when your car is out of site with your keys. I.e. Valet parking, other work on your vehicle etc.

## PROGRAMMING NEW TAGS

If you have lost a TAG or need to program a new replacement, then please follow the procedures below :-

### ALL TAGS LOST

1. Insert TAG into the OBD Blocker slot, the RED LED will flash. After 30 minutes the RED LED will change to GREEN when programmed.
2. Remove the first TAG and insert the second TAG. The RED LED will flash for 30 minutes and change to GREEN when programmed.

### ONE TAG LOST

1. Insert working TAG into OBD Blocker, LED will light GREEN.
2. Remove the first TAG and insert the new TAG into the OBD Blocker.
3. The LED will flash RED for 30 minutes, and change to GREEN when programmed.

# TROUBLESHOOTING

GREEN light doesn't illuminate when plugged in for the first time	Check fuses and connections
RED light never goes out	Only one Tag has been programmed
GREEN light doesn't illuminate when Tag is presented	Tag not programmed to OBD Blocker Damaged Tag

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## SERVICE BOOK INSTRUCTIONS

**Warning:** This car has been fitted with a state-of-the-art OBD Blocker. The OBD Blocker unit prevents unauthorised access to the vehicles electronic control systems through the OBD port, in particular the security systems. To enable diagnostic communications the Blocker will need to be switched on. Please follow the steps below.

The Blocker will be located as close to the original OBD connector as possible. If its not in sight simply remove any panel from around the OBD connector and follow the short cable until you reach the OBD Blocker.

To enable diagnostic communications the Blocker will need to be switched on. Please follow the steps below.

Simply momentarily place the provided Tag against the OBD Blocker. The **GREEN** light will illuminate to show the OBD Blocker has enabled communication for 1 hour.

If a long duration is required leave the Tag in the OBD Blocker slot until work has been completed.



Authorised dealer stamp/signature.

# SPECIFICATION

OPERATING VOLTAGE RANGE	8 VOLTS MINIMUM 30 VOLTS MAXIMUM 12 VOLTS NOMINAL
SIZE	60 mm (W) x 27 mm (H) x 45 mm (D)
CURRENT CONSUMPTION	1.75 mA @ Standby 28 mA peak every 0.5 seconds 12 mA @ LED STATUS ON
OPERATING TEMPERATURE RANGE	-25 to +50 Degrees Celsius
REVERSE VOLTAGE PROTECTION	YES
LED INDICATION	RED LED (FLASHING) - PROGRAMMING NEW TAG GREEN (ON) - OBD BLOCKER ENABLED
TRANSIENT VOLTAGE SUPPRESSION	YES
INTERNAL FUSE	0.25 AMP RESETTABLE
PROGRAMMING TIME	30 MINUTES
NUMBER OF TAGS	MAXIMUM 2 TAGS
WEIGHT	grams
RFID TAG	ISO14443
RFID FREQUENCY	13.56 MHz

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## CONTACT INFORMATION

KPG Systems Ltd  
Kingsbridge  
Devon  
United Kingdom

Tel : +44 1548 580348  
Fax : +44 1548 580348



[info@obdblocker.com](mailto:info@obdblocker.com)



[www.obdblocker.com](http://www.obdblocker.com)



diagnosticbox

# DECLARATION of CONFORMITY

## DECLARATION OF CONFORMITY

Manufacturer's Name: KPG Systems Ltd  
Manufacturer's Address: Kingsbridge, Devon, UK  
United Kingdom  
Product Name: OBD BLOCKER  
Product Model: TDB1001, TDB1002, TDB1003  
Conforms to: Specifications  
EN 55022:1998, A1: 2000 + A2: 2003  
EN 55024:1998, A1: 2001 + A2: 2003  
Following the Provisions of EMC Directive: 89/336/EEC

OBD BLOCKER MAY 2015

Product conforms to class A emission standards

Signed : Mr G Chambers

Signed on behalf of KPG Systems Ltd

