

# AD37 GM/OPEL PIN CODE READER OPERATING MANUAL



UNLOCKING  
TECHNOLOGY



**ADVANCED  
DIAGNOSTICS**

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# AD37 - APPLICATIONS

# A

MODEL	YEAR
Astra	1995 – 2001
Calibra	1995 – 1998
Combo	1998 – 2002
Corsa	1995 – 1998
Frontera	1995 – 1998
Movano	1998 – 2003
Omega	1995 – 1998
Sintra	1997 – 1998
Tigra	1995 – 1998
Vectra	1995 – 1998

# AD37 - INTRODUCTION

# B

The AD37 is a small portable device that can read the pin codes from GM/Opel vehicles typically up to year 2000 models.

The system consists of an immobiliser which is an integral part of the antenna/coil that is mounted around the ignition barrel.

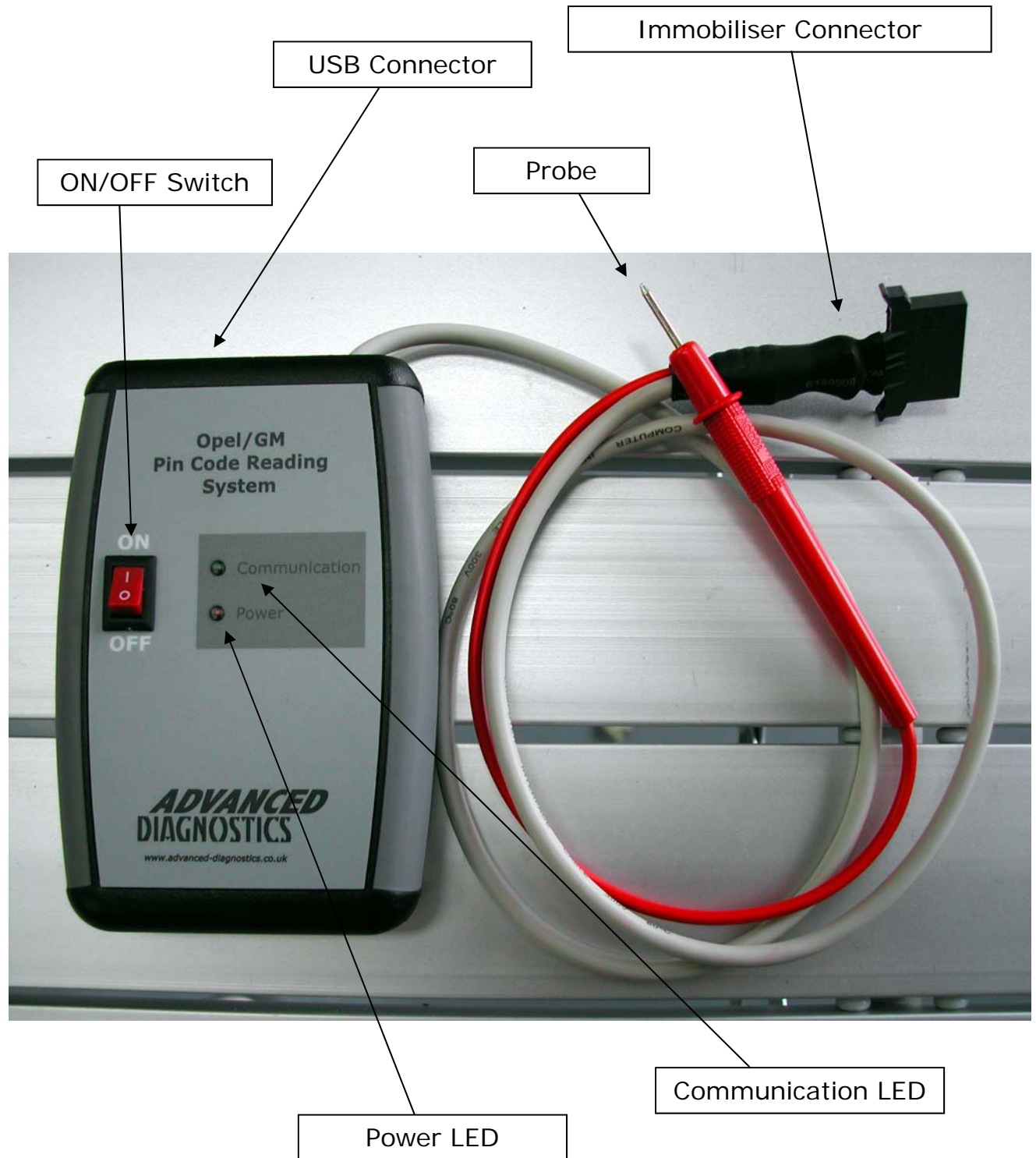
## SYSTEM IDENTIFICATION

As a general rule the pin code can be read from all models up to year 2000 vehicles fitted with a white resistor on the immobiliser electronic circuit board. To identify the correct system, the immobiliser unit has to be removed and inspected (Refer to page 7).

# AD37 - INTRODUCTION

# B

## GM/OPEL SYSTEM 1 PIN CODE READER FEATURES



# AD37 - SOFTWARE INSTALLATION



You can either copy the file **Opel ADD.exe** to your computer desktop or run it from the CD provided.

## Connecting to a PC

The tester is fitted with a USB connector which connects directly to the USB port of a PC.

### Option 1 - Run directly from CD

1. Put the CD into your PC and view the files on the disc.
2. Double click **Opel ADD.exe** file to open the program at the appropriate stage in the test process.

### Option 2 - Copy File to PC

1. Put the CD into your PC and view the files on the disc.
2. Highlight the **Opel ADD.exe** file and copy.
3. Paste the **Opel ADD.exe** file to the desktop of your computer.
4. Double click **Opel ADD.exe** file to open the program at the appropriate stage in the test process.

# AD37 - OPERATION

# D

1. Disconnect & remove immobiliser unit from around the ignition barrel of the vehicle.

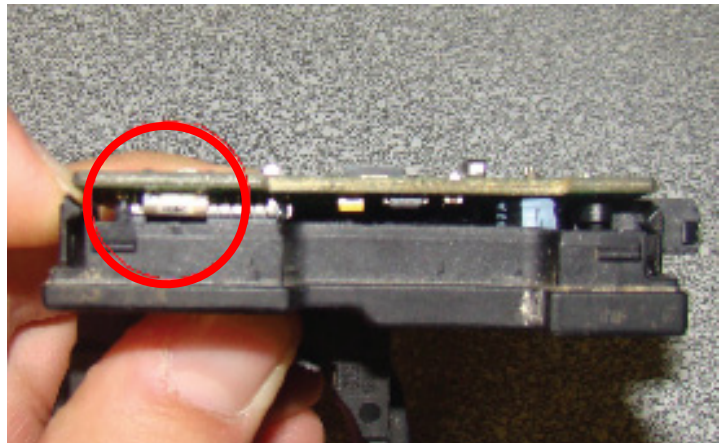


2. Remove electronic circuit board from the immobiliser box.



3. Check on the side of the immobiliser box for a white resistor next to the EEPROM.

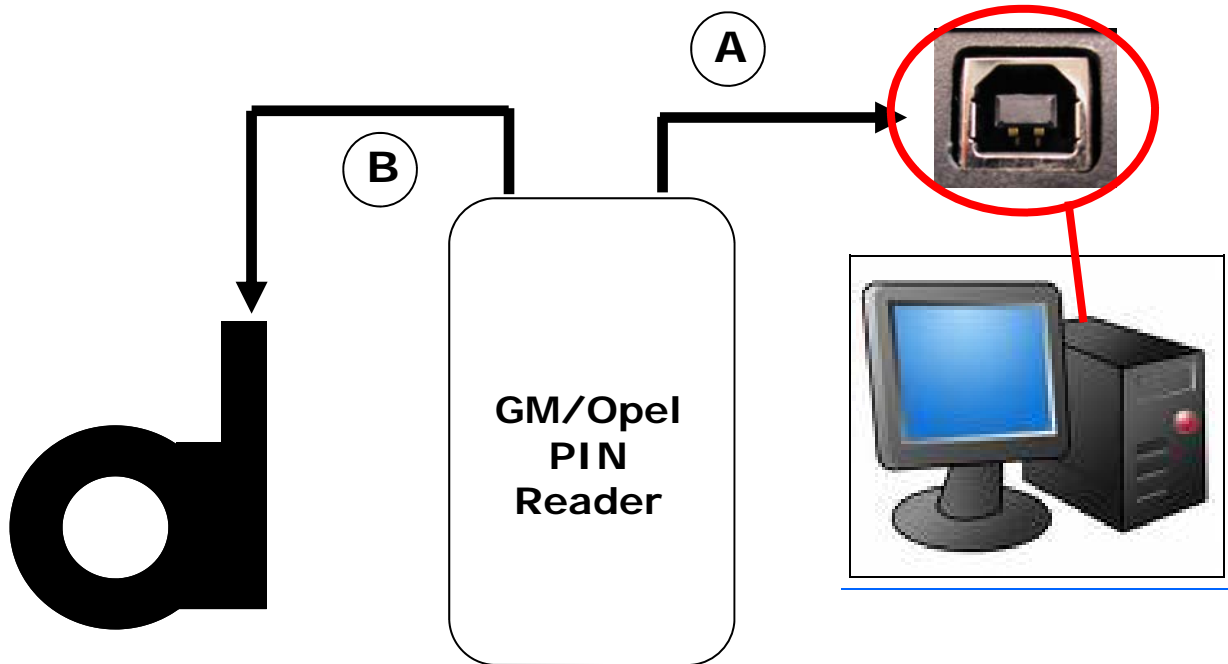
If the resistor is a different colour then the pin code can't be read from that particular immobiliser box.



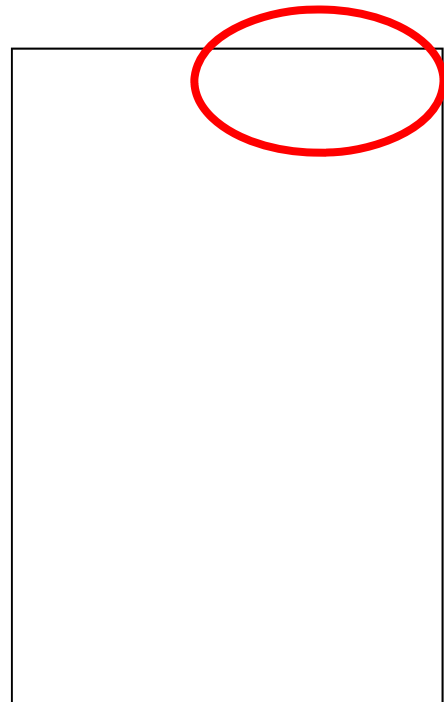
# AD37 - OPERATION

# D

4. Connect the Pin Code Reader as follows:
  - A. USB connector to the PC USB port (power LED will illuminate).
  - B. Connect to the immobiliser cable to the immobiliser.



5. Open the Pin Code Reader Program by double clicking the icon on either the CD or your PC.
6. Select the correct COM port from the pull down box.

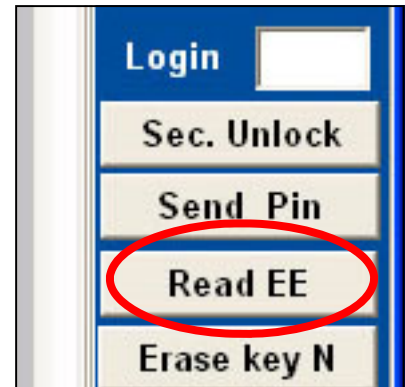




# AD37 - OPERATION

# D

- Click **READ EE** on the software program.



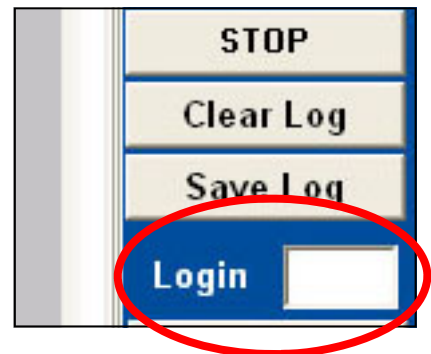
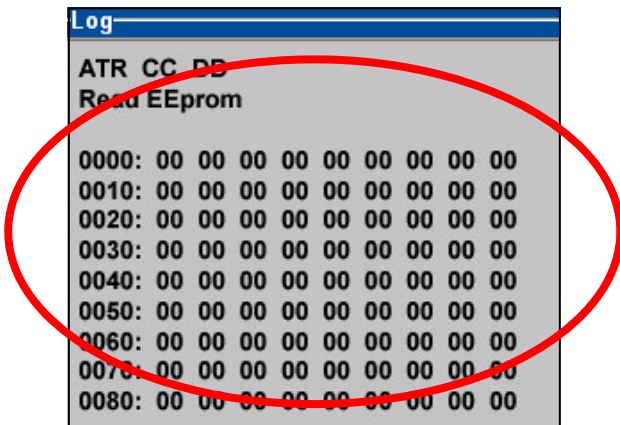
- Turn the tester on. The green communication LED should flash briefly.



- The PIN should be displayed in the PIN box of the pc program.

### Note:

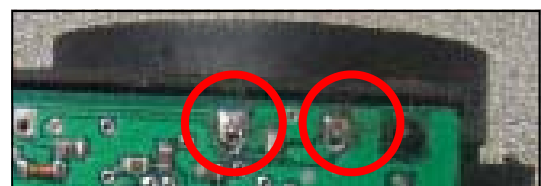
If the data shown in the main window is 00 and or the Pin is displayed with anything but 4 digits ie -48-48, then the immobiliser is locked. Proceed to step 10.



- If the Pin is not displayed it means that the immobiliser unit is locked.

### Unlocking the Immobiliser Unit

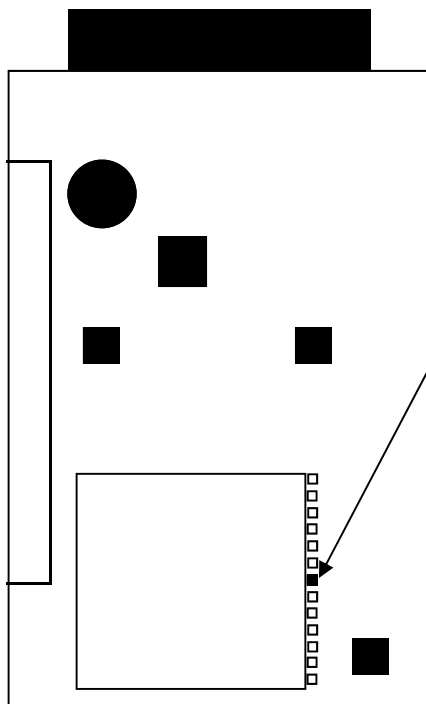
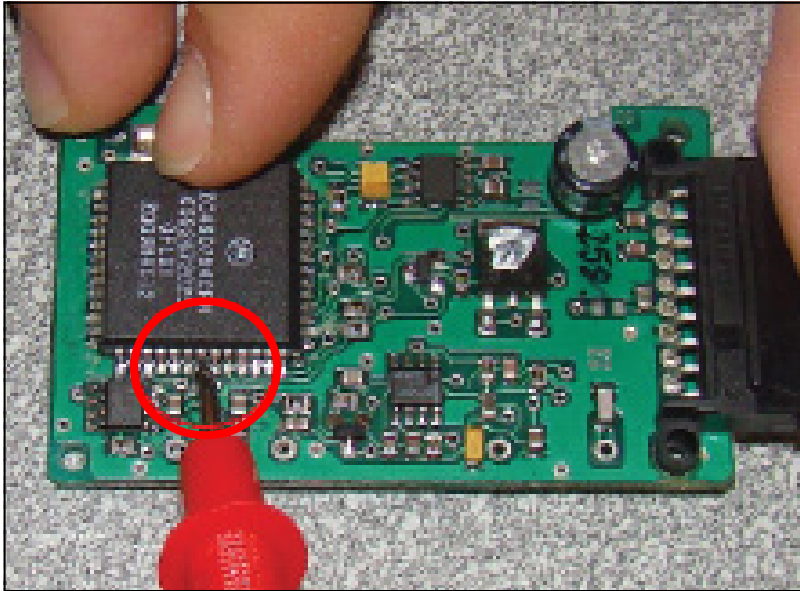
- Disconnect the immobiliser from the tester.
- Turn the tester off and remove power
- Un-solder the antenna.



# AD37 - OPERATION

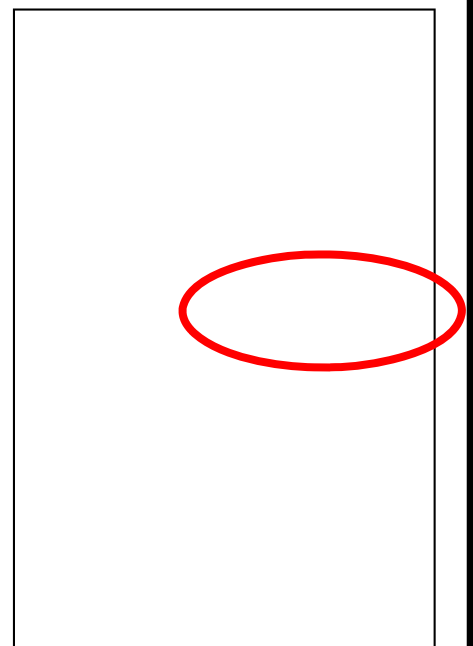
# D

11. Re-connect the immobiliser, tester and power as described previously. The tester switch **must** be in the **OFF** position at this stage.
11. Touch and hold pin 40 with the tip of the probe. Take extreme care not to short any other pins. These need to be held in place until instructed to remove.



Top View of PCB

Pin 40 is the 7th pin counting down from the top side of the electronic pcb.



12. Click **Sec Unlock** on the pc program.

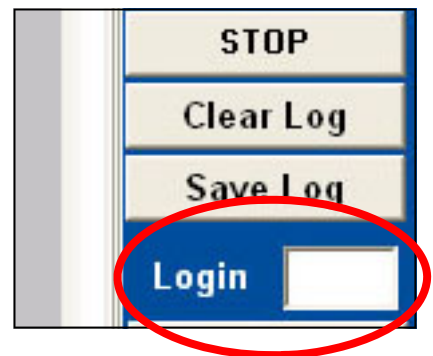
# AD37 - OPERATION

# D

13. Turn the tester on. The green communication LED should begin to flash briefly. Remove the probe once the light is flashing.



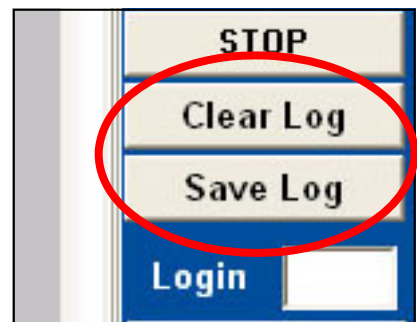
14. The PIN should be displayed in the Key N of the pc program.



15. If you want to save the log to your PC then click **SAVE LOG**.

**Or**

If you want to clear the log to your PC then click **CLEAR LOG**.



16. Disconnect the GM/Opel pin Reader, re-assemble and refit to the vehicle.
17. You can now program keys into the vehicle using the Advanced Diagnostics Key programming equipment.

# AD37 - SPECIFICATION



## Specification

SPECIFICATION	
SIZE (mm)	120(h) x 80 (w) x 20(d)
WEIGHT	174g
VEHICLES COVERED	Gm/Opel System 1
DISPLAY	LED Indication PC Software
POWER	Via USB





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