

Location of the OBDII outlet



Audi A4



Audi A3



VW Passat



VW Golf



Skoda Octavia



Mercedes (inside the fuse box)



BMW 5-series

Technical specification

Communication to car:..... **CAN high**
CAN low
K-line
 Communication to PC:..... **RS232**
USB
 Power requirement:..... **9-16V/ DC**
 Energy consumption:..... **max 500mAh**
 Display:..... **1x16 LCD**
 PPC®:..... **Portable Program Carrier**

How to turn off the cooling fan

Mercedes



Remove the fuse (70A) that controls the cooling fan, see the car's instruction book! When the fuse is removed the fan will not start. Restore after the programming.

VW Sharan



1. Remove the cover (X).



2. Disconnect this cable and protect it from touching other cables around it. Restore cable and cover after the programming.



Diesel
VAG
Mercedes-Benz
BMW

Before operating the unit, please read the manual carefully



Manual for Diesel

VAG: EDC15P, EDC15VM, Mercedes: EDC15C6, BMW: DDE4

Getting started

Check that the car has been properly serviced and that no warning lamps are lit. If anything is wrong with the car it should first be taken to a car repair shop. Reloading the software will not fix a malfunctioning car.

Take the car for a testdrive and heat up the engine to normal temperature before PPC® tuning.

Make sure that the car battery is fully charged, if any doubt connect battery charger.

Use good quality diesel.

Cell phone might cause interference. Please remove or turn it off.

Connecting PPC® to the car

Connect the supplied OBDII cable to the PPC® modular port. Do not connect PPC® to the car and PC at the same time, it can damage PPC®.

Connect PPC® to the OBDII outlet of the car. The location of the OBDII outlet is shown on the picture on last page.

Turn ignition on, to the second position before the starter motor gets activated.

Turn off all current consumers, such as: radio, headlight, air conditioning, electric seat heater, window defroster, cooling fan etc. Do not activate any current consumers while programming.

Operating instructions

When PPC® is connected to the car the status is displayed.

Press **MENU** button to scroll through the menu functions.

Press **ENTER** button to select the displayed function.

Do not activate any electrical accessories (cell phone, radio, air conditioning etc.) while installing the PPC® software. Do not open or close car doors.

Programming must not be interrupted! Do not disconnect OBDII cable before display shows "Done, remove PPC".

After programming disconnect PPC® from the car. PPC® must not be connected to the car while driving!

Upgrading the PPC®

Software upgrades can be downloaded to PPC®. To be able to do that you need a COM-port cable, USB-cable and the program PPC Update. You find PPC Update on the BSR website:

<http://www.bsrab.se/ppc>. You can also read the supplied manual for PPC Update.

Storage

The PPC® must not be exposed to water, moisture or condensation. Store PPC® in a place free from dust and vibrations. Do not store PPC® near strong magnetic fields.

1. Heat up the engine
2. Make sure the car battery is fully charged
3. Connect PPC® to the car
4. Turn ignition on to second position →
5. Turn off current consumers
6. Press ENTER
7. Follow instructions on the display
8. Display shows "Done, remove PPC"
9. Turn ignition off
10. Remove PPC®



Instructions shown on the display

PRESS (ENTER)

PLEASE WAIT...

One of the three following alternatives will be activated.

TUNE CAR?

Press **ENTER** to start the programming. Duration: approx 10 min.

PLEASE WAIT...

TUNING 0-100%

Programming must not be interrupted. Do not disconnect OBDII cable before display shows DONE REMOVE PPC.

TURN IGN OFF (E)

Turn ignition off. Then press **ENTER** on PPC®.

TURN IGN ON (E)

Turn ignition on. Then press **ENTER** on PPC®.

DONE REMOVE PPC

Turn ignition off and remove PPC® from the diagnostic outlet.

The car is now successfully tuned!

RETURN TO ORIG?

Press **ENTER** to start the programming. Duration: approx 10 min.

PLEASE WAIT...

ORIGINAL 0-100%

Programming must not be interrupted. Do not disconnect OBDII cable before display shows DONE REMOVE PPC.

TURN IGN OFF (E)

Turn ignition off. Then press **ENTER** on PPC®.

TURN IGN ON (E)

Turn ignition on. Then press **ENTER** on PPC®.

DONE REMOVE PPC

Turn ignition off and remove PPC® from the diagnostic outlet.

The car's original software is now installed.

READ CAR?

Press **ENTER** to start the reading. Duration: approx 60 min.

PLEASE WAIT...

READING 0-100%

Reading must not be interrupted. Do not disconnect OBDII cable before display shows DONE REMOVE PPC.

TURN IGN OFF (E)

Turn ignition off. Then press **ENTER** on PPC®.

TURN IGN ON (E)

Turn ignition on. Then press **ENTER** on PPC®.

DONE REMOVE PPC

Turn ignition off and remove PPC® from the diagnostic outlet.

PPC® now contains your car's original software.

This file can be sent to BSR via Internet. For more info see our website <http://www.bsrab.se/ppc> or the PPC Update manual.

Menu functions

SHOW STORED VIN

The VIN number to which PPC® is married is showed. Your PPC® only works with that VIN.

SHOW BOX TYPE

The car's ECU number (engine control unit) is showed briefly.

Press **MENU** to scroll through the menu functions.

Press **ENTER** to select the displayed function.