

# Installation instructions TDI-TUNINGSET

## Prepare the TDI Tuning plug settings..

III.1

Turn off vehicle ignition. Remove engine cover.  
Next to the fuel injection pump, an 8/10-pole plug connection is situated in the feed line of the pump.  
Open this connection

In the Volkswagen T4, this connection is situated at the bottom of the engine compartment. Remove the guard plate only partly.

In order to reach the plug connection, it is sufficient to remove the four front screws of the guard plate, and to simply pull down the guard plate a little. The original plug connection is situated slightly to the left of the center.

Insert one of the two cables' plug boxes into the plug connection that has just been opened

## 1. Open this connection



## 2. Installing air flow sensor connector/accelerator connector.

III.2

Connect cable of TDI-Powersystem to Pin 6 of the oval plug of the air flow sensor.  
Connect cable of TDI-Powersystem to Pin 5 of the flat plug of the air flow sensor

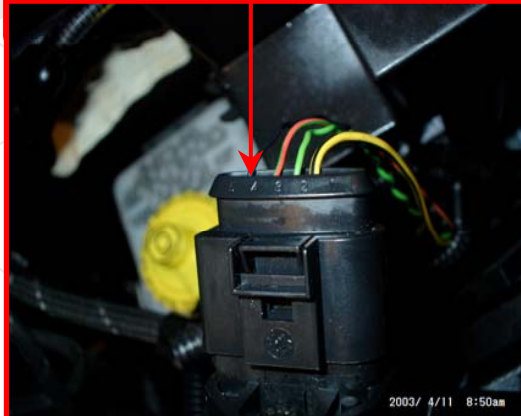
Underneath the cover (rubber/plastic) of the flat plug, you will find the respective cable numbers.

**All Volvo Models connect to Pin 2 of the air flow sensor**

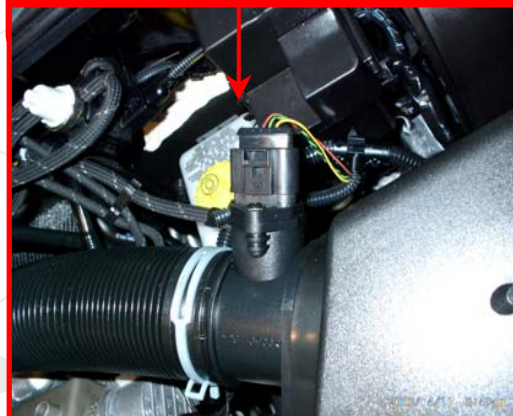
## 1. Pay attention to a right connection.



## 2. Connector mass airflow cable TDI System airflow sensor



## 2. Plug Aitflow Sensor



# Installation instructions TDI-TUNINGSET

## 3. TDI System Einstellung

Abb.3

The TDI plug has a standard setting for approx. + 25 % power performance and torque. Settings potentiometer (metal) standard settings (ex works):  
To the right until it clicks, then back approximately three to four rotations

If enhancement of power performance is too low, the potentiometer should be turned clockwise (+) by one or two units. .

If enhancement of power performance is too high, the engine switches to emergency operation. If so, the potentiometer must be turned anti-clockwise (-) by one or two units. Should the filament in the speedometer lighten up as a warning signal, then the power performance is also set too high and should be reduced. The signal turns off automatically. In no case at all should soot exhaust be higher than in the standard condition

## 4. Final installation into vehicle

The settings are now complete and the TDI-Powersystem can finally be installed. You only need to lay the entire cable, including the TDI plug inside the engine compartment.

We recommend attaching the TDI plug next to the air flow sensor connector, protected from splash water.

Have a good trip and we hope you will enjoy our TDI-Tuning set

## SDI vehicles

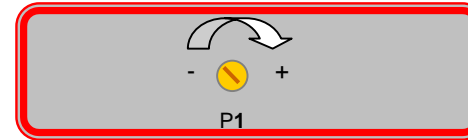
Should your vehicle not have an airflow sensor (SDI), then the cable should be connected directly to the plug of the controller.

Installation of vehicle interface

- 1 Turn off vehicle ignition.
- 2 Remove all necessary coverings and uncover the controller.
- 3 Pull out big multipolar plug from controller.
- 4 Open plug.
- 5 Now solder the short black wire of the connector cable, according to the pin assignment of the controller, onto the respective wire of the controller plug.
- 6 Check assignments once more. A wrong assignment may lead to destruction of the controller and/or the power electronics.
- 7 Insulate all bare soldering joints and close the plug.
- 8 Now reinstall the controller.

Controller 55 Pin	Cable to Number 37
Controller 68 Pin	Cable to Number 15
Controller 80 Pin	Cable to Number 24
Controller 121 Pin	Cable to Number 69

## III.3 Back TDI Modul



potentiometer P1

## TDI-system

