

# Instructions for installing a Retrofit Cruise Control System to a Sharan TDi 2000 onwards & Petrol Engines with a EPC Light.

*Please Note: Right Hand Drive Vehicles made to need to lengthen the Loom Supplied*

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## **VAG-COM Activation Procedure**

Activating Cruise Control on a new ECU (DBW):

Factory fresh ECU's often come with cruise control de-activated. If this is the case,

there will not be a letter "G" in the Component field of VAG-COM when connected to the Engine.

[Select]

[01 - Engine]

[Login - 11]

Enter 11463 to activate cruise control

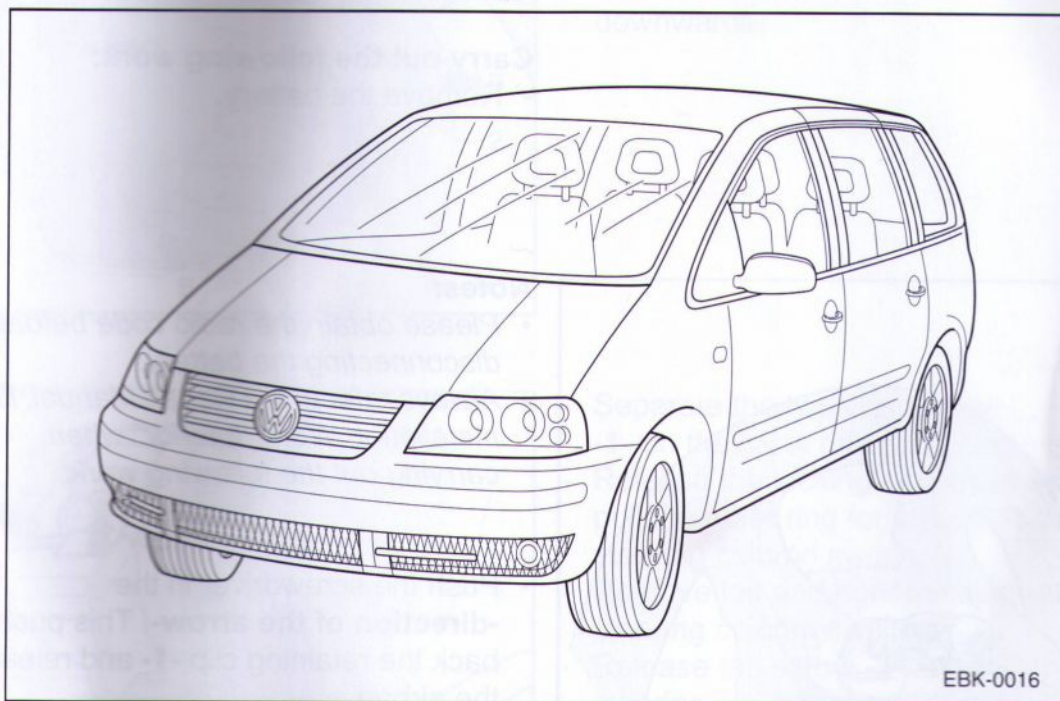
[Do It!]

After doing this procedure, there should be a letter "G" in the Component field.

# Installation instructions for retrofitting a Cruise Control System (CCS) in the Sharan TDI from 03.2000 and petrol engine with electronic accelerator pedal module from 05.2000 (model year 2001)

ET No. 7M0 998 527 B

ET No. 7M0 998 527 C

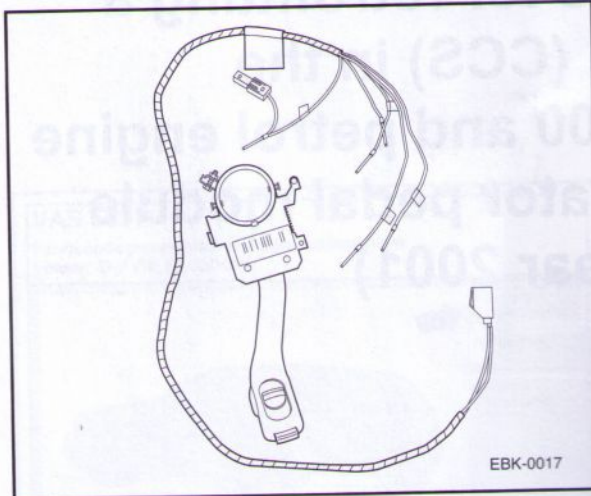


EBK-0016

**Note:**

*Due to the safety regulations which apply to the handling of airbag components, this retrofit can only be installed by partnerdealerships of Volkswagen AG. Coding is also required in the engine control unit. These activities should be carried out only in a partner dealership of Volkswagen AG.*





#### Contents of the service kit:

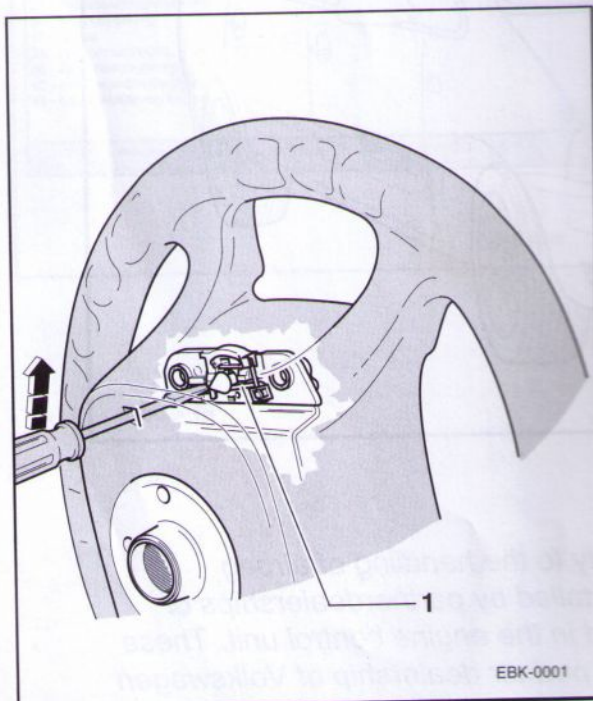
- 1 x steering column switch (indicator switch with CCS)
- 1 x wiring harness for CCS
- 1 x Installation Instructions

#### Special tools, workshop equipment, test and measuring equipment and accessories required

- Repair Manual, Electrical System.
- Repair Manual, Body Installation Work, Interior.
- V.A.G 1332 Torque Wrenches
- VAS 1978 Wiring Harness Repair Set
- Vehicle Diagnostics System, Measuring and Information System
- Removal wedge **-3409-**

#### Carry out the following work:

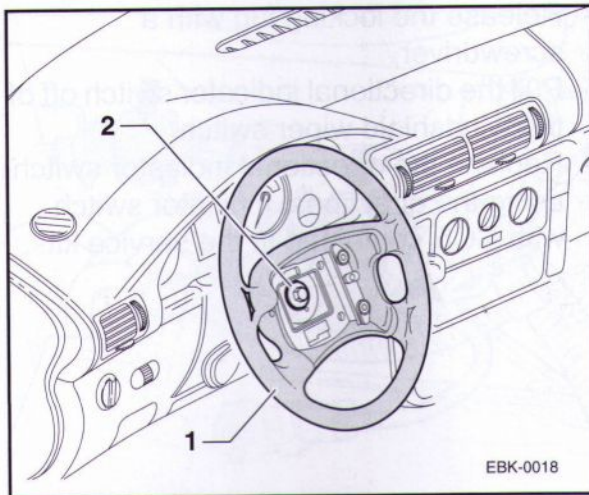
- Remove the battery.



#### Notes:

- Please obtain the radio code before disconnecting the battery.
- Always refer to the Repair Manual, Body Installation Work "Interior" when carrying out the following work.
- Push the screwdriver in the **-direction of the arrow-**. This pushes back the retaining clip **-1-** and releases the airbag.
- Turn back steering wheel through 180° and release second catch on opposite side.
- Pull connector off the airbag.

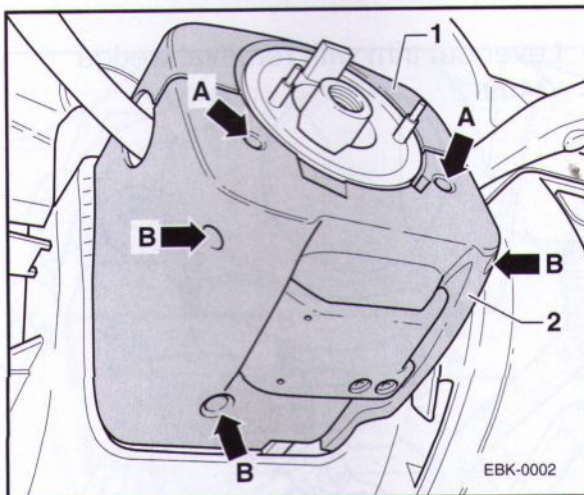




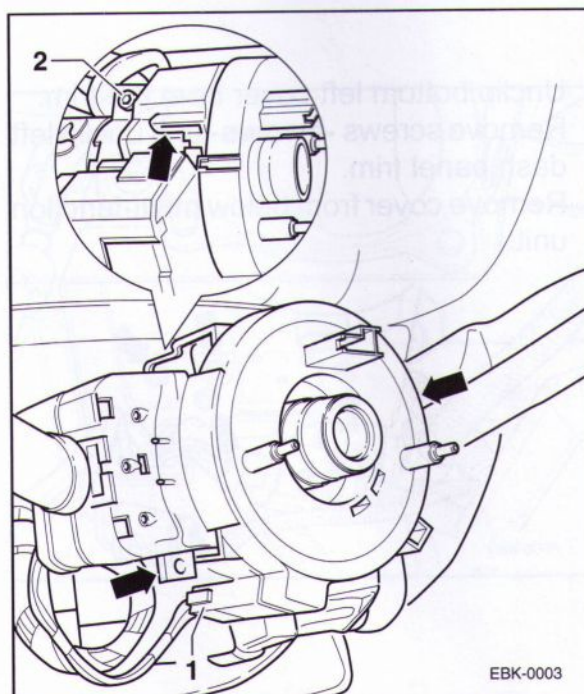
- Pull connector off the reset ring for airbag.
- Turn the steering wheel **-1-** to the centre position and remove the multipoint socket screw **-2-**.
- Pull the steering wheel off the steering column.

**Note:**

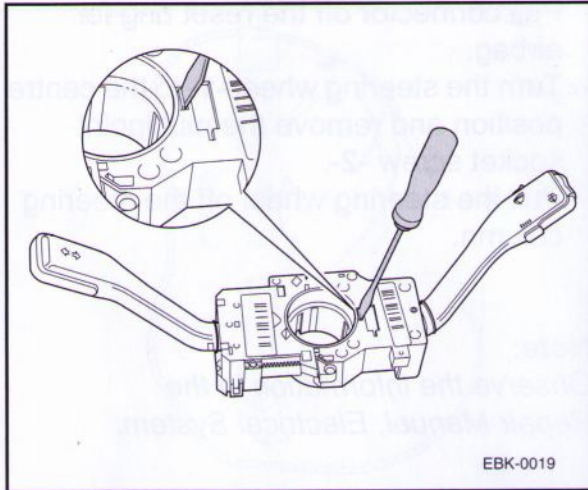
Observe the information in the Repair Manual, Electrical System.



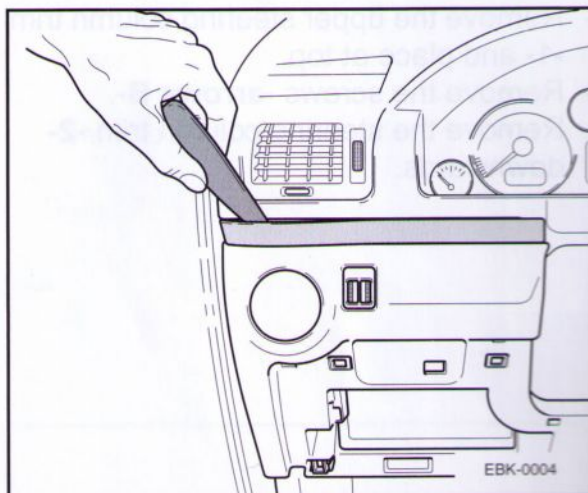
- Remove the screws **-arrows A-**.
- Remove the upper steering column trim **-1-** and place at top.
- Remove the screws **-arrows B-**.
- Remove the steering column trim **-2-** downwards.



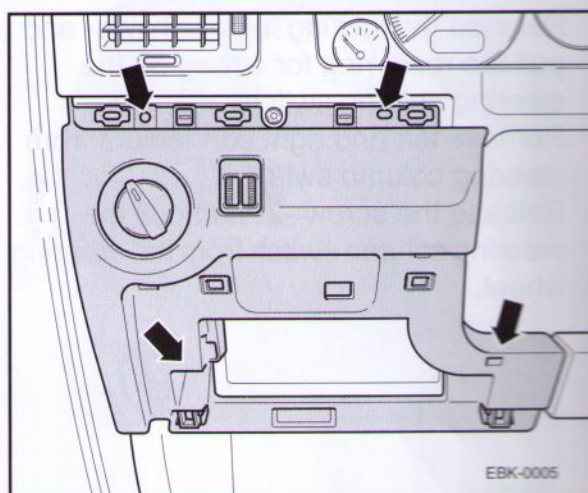
- Separate the two connectors **-1-** on the reset ring for airbag.
- Release the locking lugs **-arrows-** and pull the reset ring for airbag off the steering column switch.
- Remove left and right connectors from steering column switch.
- Release the screw **-2-** and pull the steering column switch from the steering wheel.



- Release the locking lug with a screwdriver.
- Pull the directional indicator switch off of the windshield wiper switch.
- Replace the directional indicator switch using the directional indicator switch with CCS contained in the service kit.

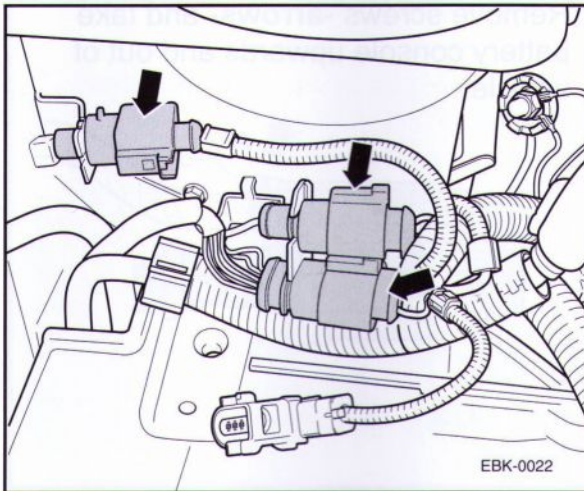


- Lever out trim with removal wedge -3409-.

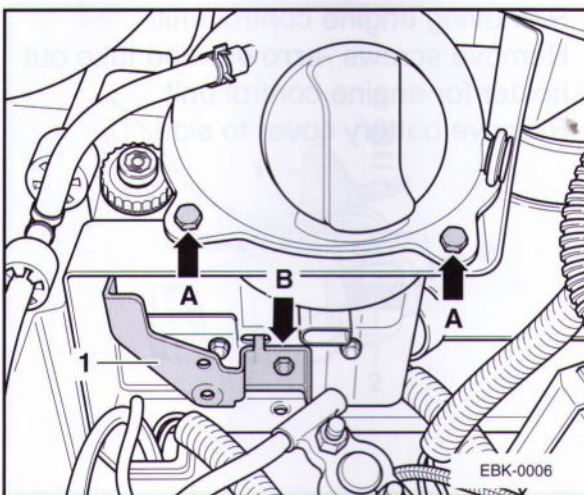


- Unclip bottom left cover from the trim.
- Remove screws **-arrows-** and unclip left dash panel trim.
- Remove cover from below multi-function unit.

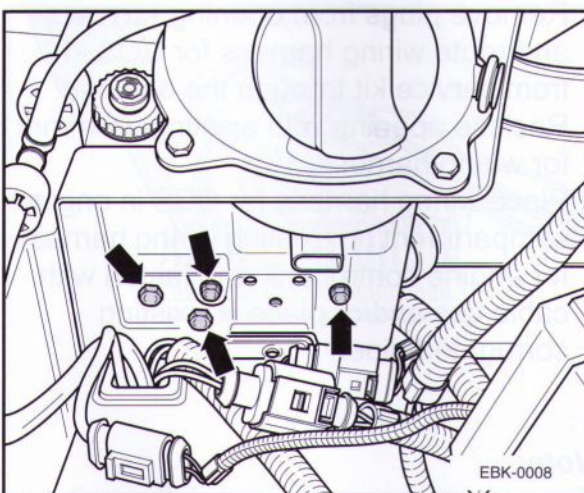




- Unclip connectors **-arrows-** from the brackets.

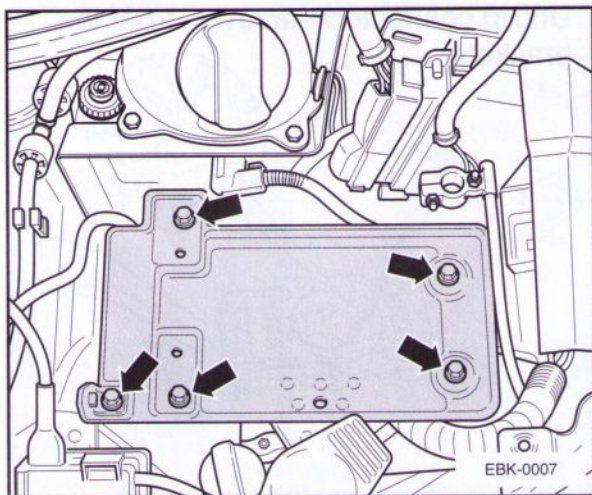


- Pull out plug from coolant expansion tank and remove screws **-arrows A-**.
- Place expansion tank to back. Hoses remain connected.
- Remove screw **-arrow B-** and pull off holder **-1-**.

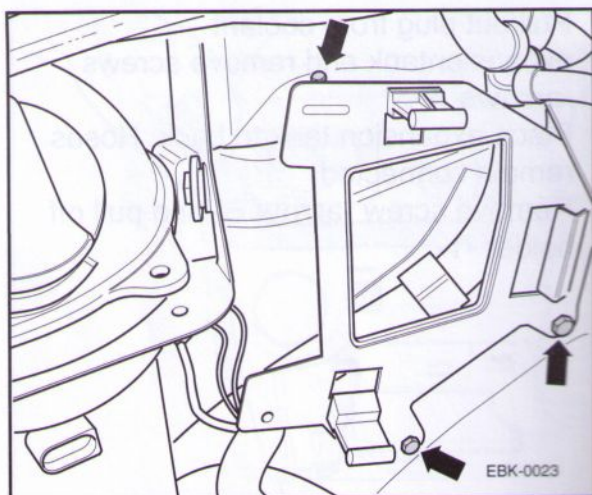


- Remove screws **-arrows-**.

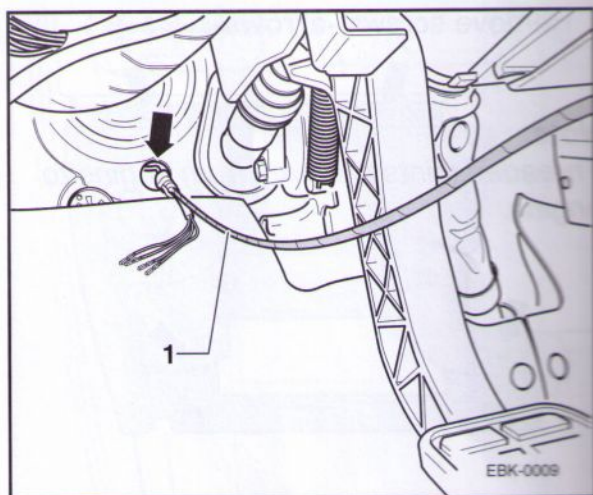
**Note:**  
Threaded joints can vary from engine to engine.



- Remove screws **-arrows-** and take battery console upwards and out of vehicle.



- Removing engine control unit.
- Remove screws **-arrows-** and take out holder for engine control unit.
- Remove battery cover to side.

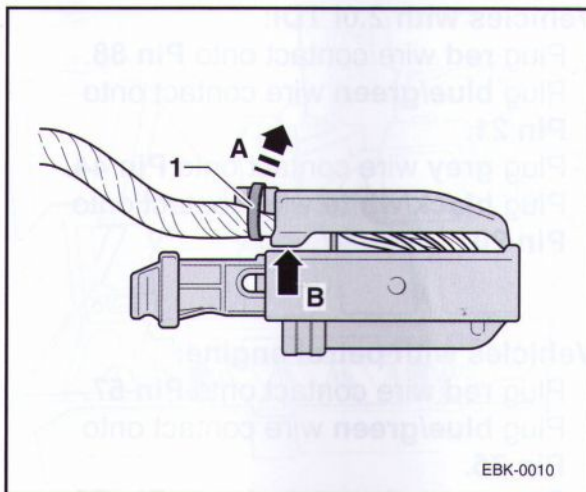


- Remove plugs from opening **-arrows-** and route wiring harness for CCS **-1-** from service kit through the opening.
- Reclose opening with existing grommet for wiring harness.
- Place wiring harness for CCS in engine compartment on existing wiring harness for engine control unit and fasten with cable ties and/or place in existing corrugated pipe.

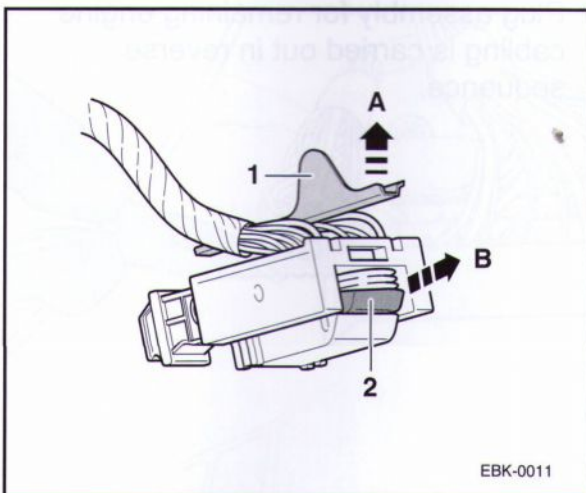
**Note:**

*If necessary, use a commercially available wire to route the wiring harness for CCS.*

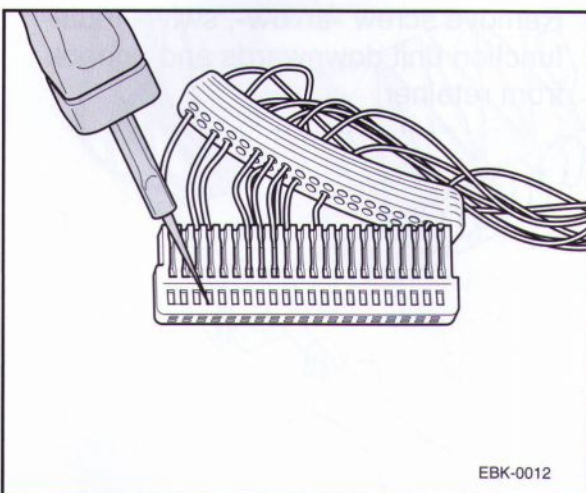




- Remove plug for remaining engine cabling, 81-way, (94-way on 2.0I TDI) from engine control unit.
- Separate cable ties **-1-**.
- Push together plug cover in area of **-arrow B-** and fold in **-direction of arrow A-**.



- Pull fuse **-1-** from plug in **-direction of arrow A-**.
- Remove fuse **-2-** in **-direction of arrow B-**.
- Both plug boards can now be removed from the housing.

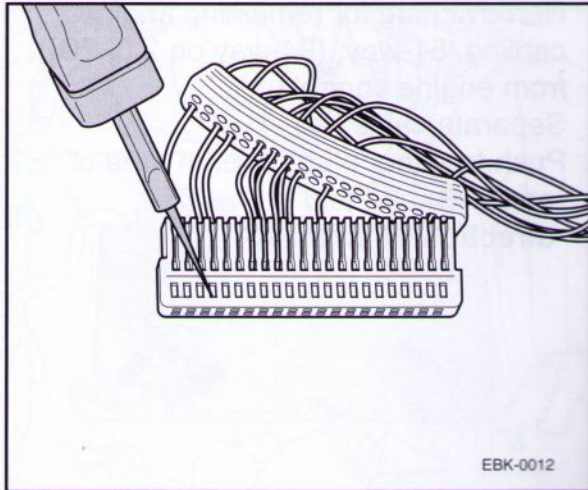


- Push the existing plug contacts from the plug board using a suitable ejector tool from the wiring harness repair set **-1978-** from the pins below.

#### Vehicles with diesel engine (not 2.0I TDI):

- Plug **red** wire contact onto **Pin 44**.
- Plug **blue/green** wire contact onto **Pin 45**.
- Plug **grey** wire contact onto **Pin 46**.
- Plug **black/white** wire contact onto **Pin 14**.



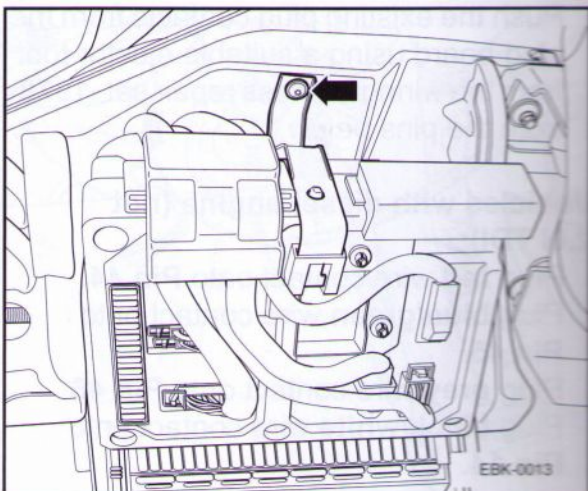


#### Vehicles with 2.0l TDI:

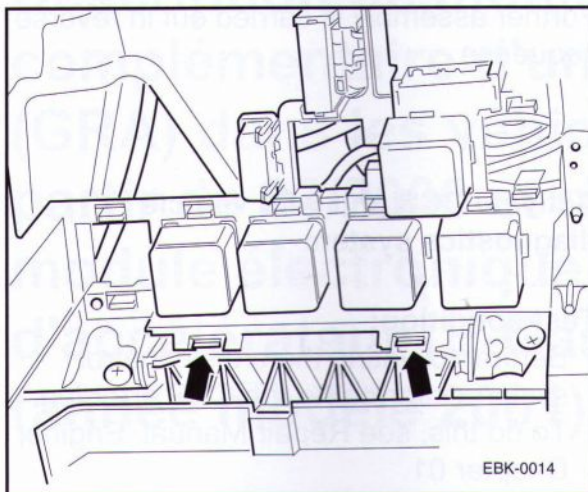
- Plug **red** wire contact onto **Pin 88**.
- Plug **blue/green** wire contact onto **Pin 21**.
- Plug **grey** wire contact onto **Pin 44**.
- Plug **black/white** wire contact onto **Pin 20**.

#### Vehicles with petrol engine:

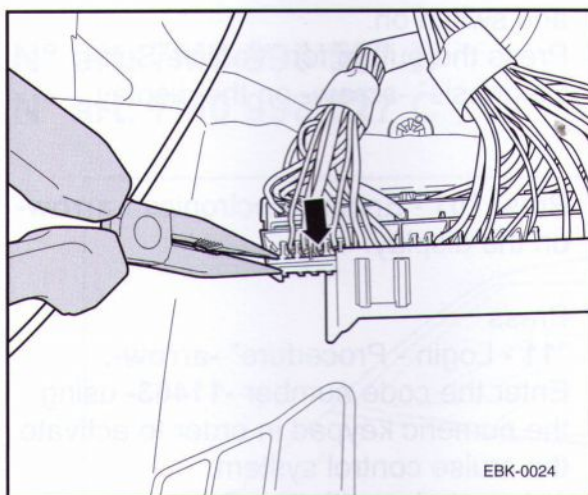
- Plug **red** wire contact onto **Pin 57**.
- Plug **blue/green** wire contact onto **Pin 75**.
- Plug **grey** wire contact onto **Pin 76**.
- Plug **black/white** wire contact onto **Pin 38**.
- Plug assembly for remaining engine cabling is carried out in reverse sequence.



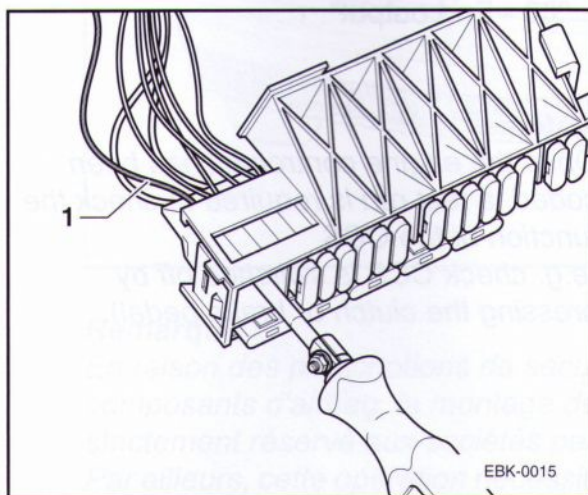
- Remove screw **-arrow-**, swivel multi-function unit downwards and unhook from retainer.



- Push locking lugs **-arrows-** upwards and push fuse holder downwards and out of relay plate.

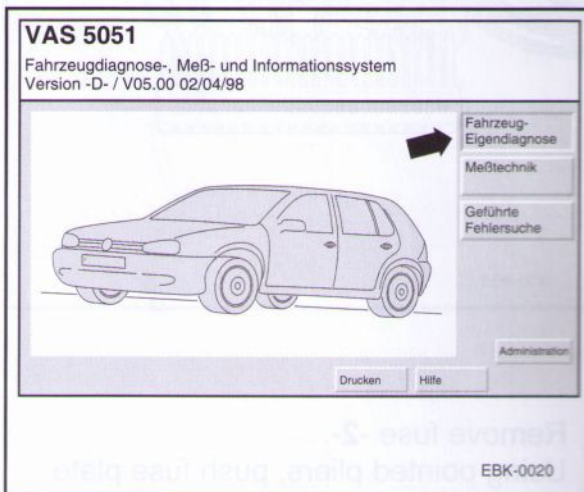


- Remove fuse **-2-**.
- Using pointed pliers, push fuse plate catch in **-direction of arrow-**.



- Push out **black-yellow** wire with VAS 1978/4 ejector tool.
- Insert **black-yellow** wire (short) of wiring harness for CCA into chamber **-2-** of fuse plate.
- Insert ejected wire into the 1 pin plug housing of the wiring harness for CCS and push housing back together.
- Lay wiring harness for CCS to right next to steering column on existing wiring harness for indicator switch without bending or chafing and fasten with cable ties.



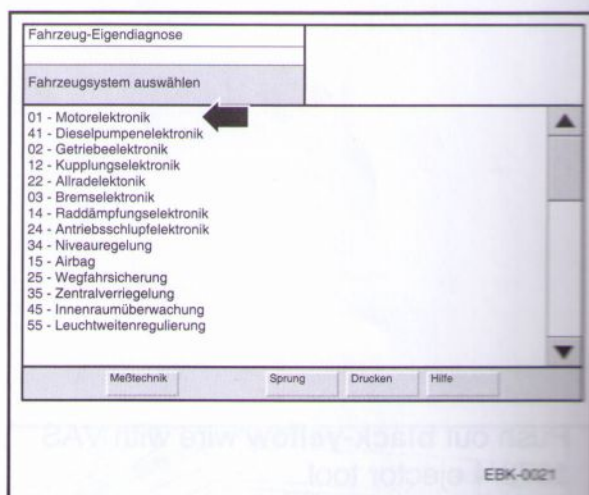


Further assembly is carried out in reverse sequence.

## Activate CCS unit with vehicle diagnostics system

### Test condition:

- Before activating the cruise control system, interrogate the CCS error log. To do this, see Repair Manual, Engine, Chapter 01.
- Vehicle diagnostic system with wireAttach VAS 5051/3 to diagnostics connection and switch on.
- Press the button for "Vehicle Self-Diagnosis" **-arrow-** on the display.
- Press "01 - Engine electronics" **-arrow-** on the display.
- Press "11 - Login - Procedure" **-arrow-**.
- Enter the code number **-11463-** using the numeric keypad in order to activate the cruise control system.
- Acknowledge with the **-Q-** button on the numeric keypad.
- Press "06 - End output".



### Note:

Once the engine control unit has been coded, a test run is required to check the function of the CCS (e.g. check CCS is switched off by pressing the clutch or brake pedal).