



Cruise Control

VW T6

Prior to installation, check the part number of the body control modul.

The cruise control will only work, if there is installed a body control modul with part number

7H0 937 087

7H0 937 088

7H0 937 089

7H0 937 090

If the part number of the body control modul is 7H0 937 086, the cruise control will not work.

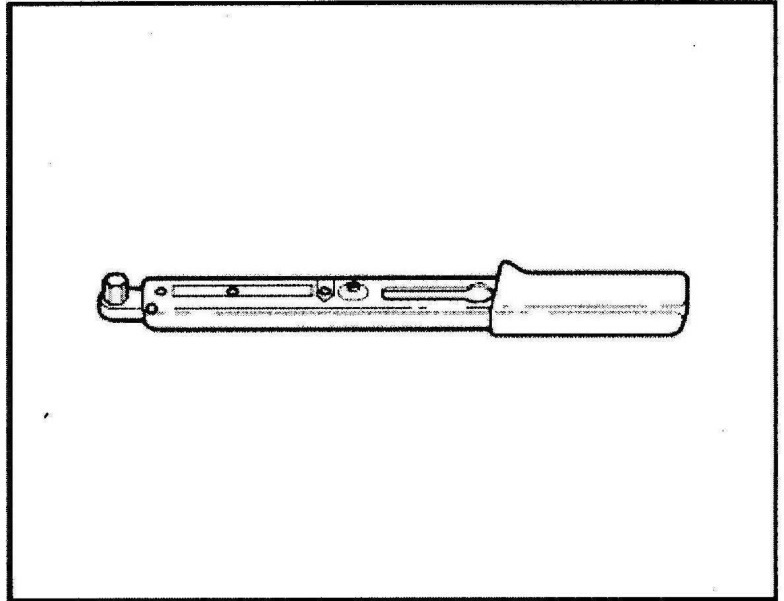
In this case you will need an other body control modul.

ATTENTION!!

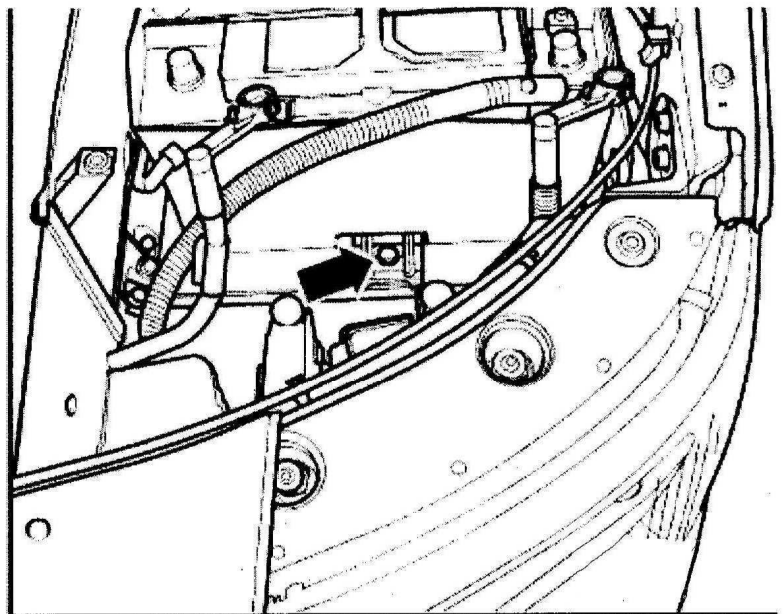
Before you start the installation, switch the ignition off and disconnect battery earth clamp.

Removing battery

- disconnect battery earth clamp
- disconnect central degassing, if there is one

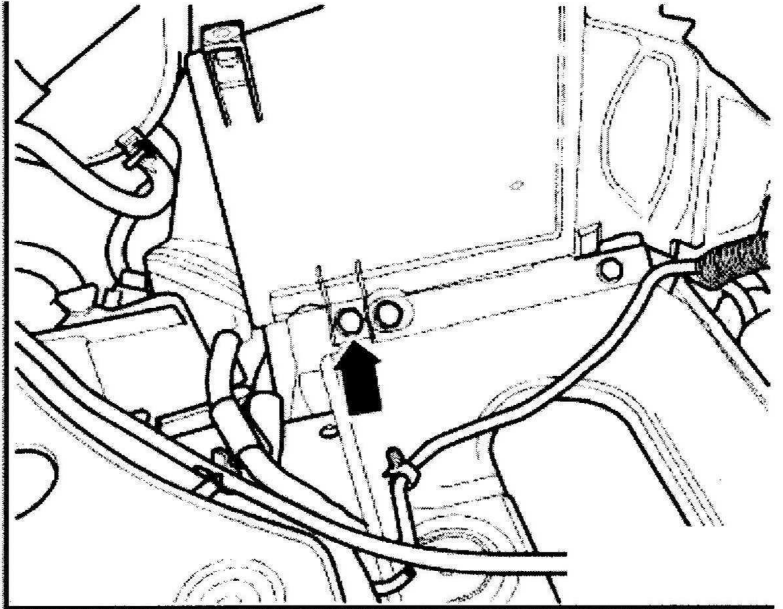


- unscrew fixing screws -arrow- and remove battery holder
- remove battery

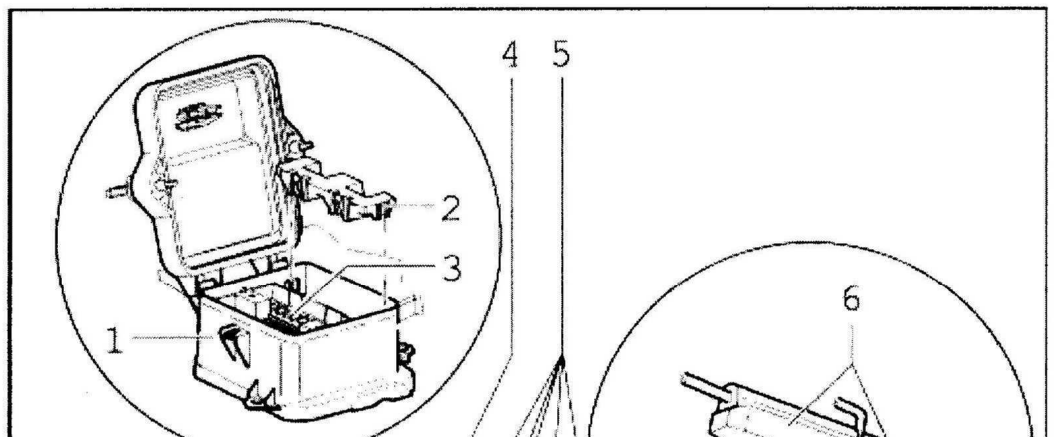
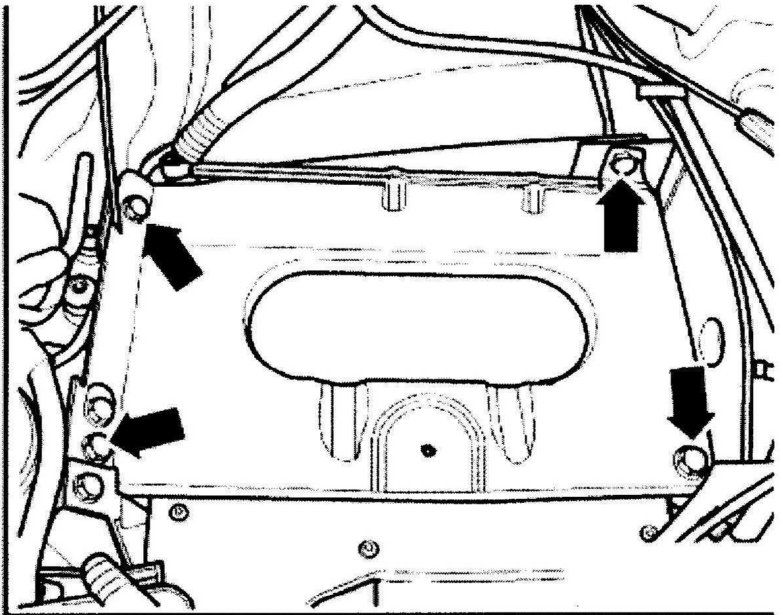


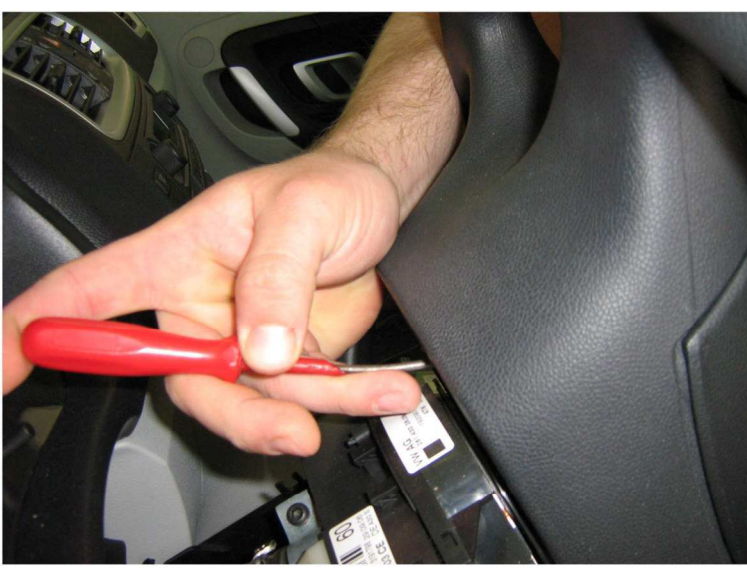
Remove e-box

- remove battery front cover, if there is one
- unscrew fixing screw -arrow- behind the cover
- remove battery cover



- unscrew fixing screw (tightening torque 8 Nm) -arrow- and remove battery holder





Attention: the air bags only from a qualified vehicle mechanic allow to develop.

- remove airbag

For this you have to turn the steering wheel 90° to the left. Then you have to lever with a little screwdriver in the hole on the back from bottom to top. Now you have to repeat this with the other side.

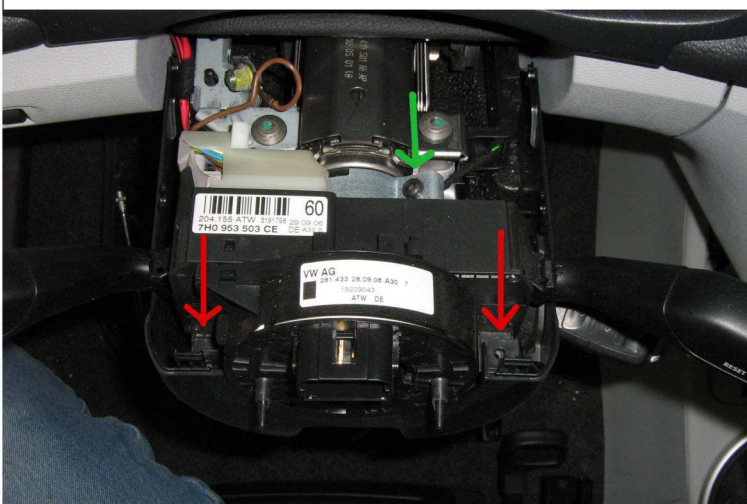
The Airbag is released from the fixing. Don't pull it out completely, because it's still connected by cable.



- disconnect the big, yellow connector, carefully.
- remove the airbag



- turn steering wheel in straight-ahead position
 - remove steering wheel
- For this you will need multi-tooth size 12 (during installation locking with 90 Newton metres).



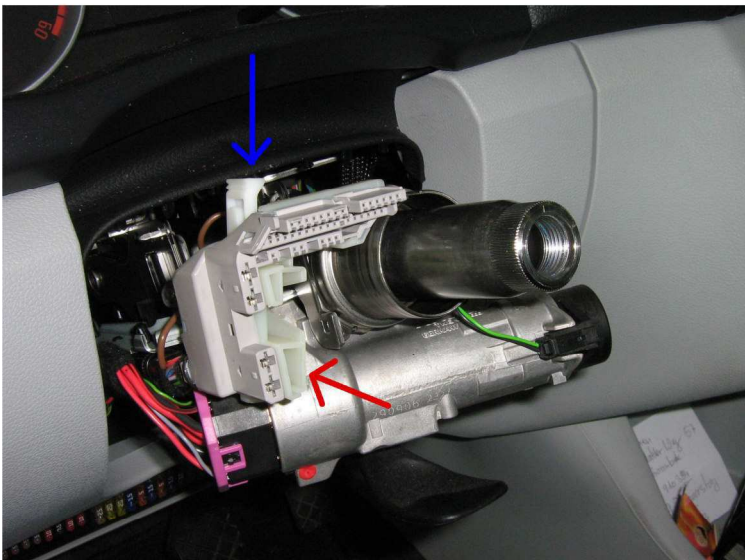
- remove lower steering column cover
- For this you have to unscrew two screws (red arrows). Undo the third screw (green arrow) by a few turns only.



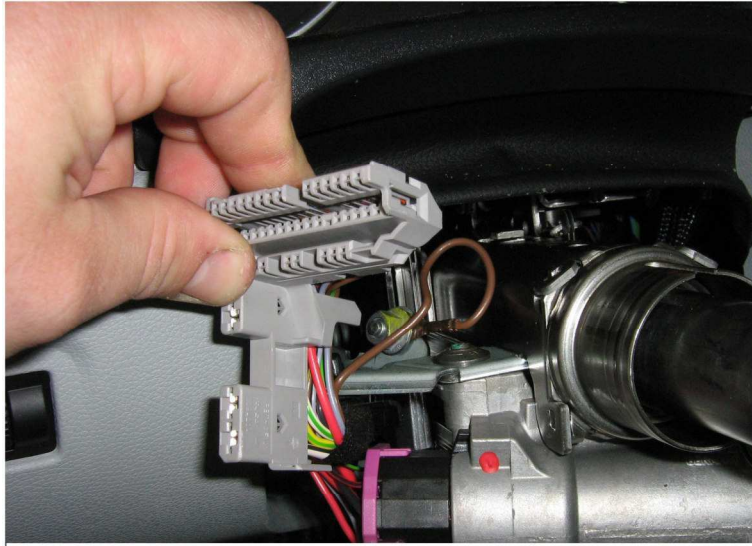
- turn screw out from lower steering column cover (arrow)
- remove cover



- remove coil spring. from combined switch
 - remover combined switch
- For this you have to pull a slider upside (see blue arrow photo below).

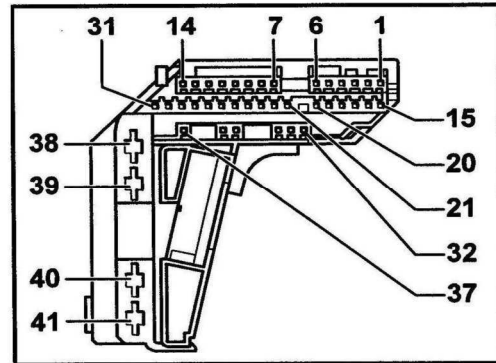


- remove connector cover (red arrow)



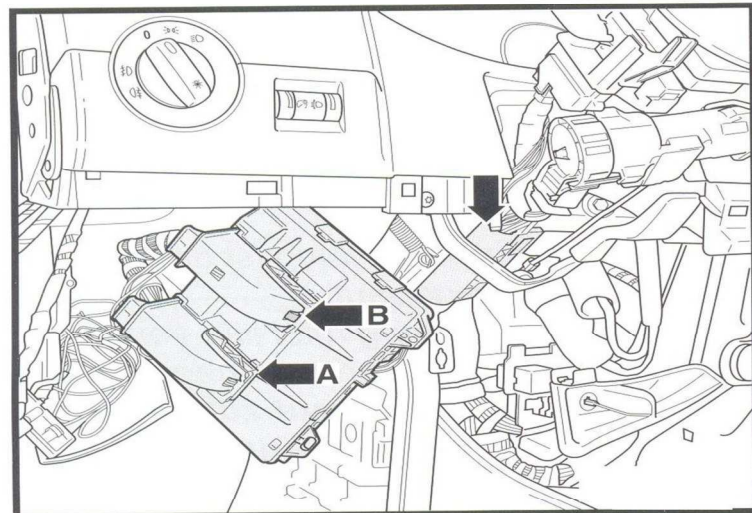
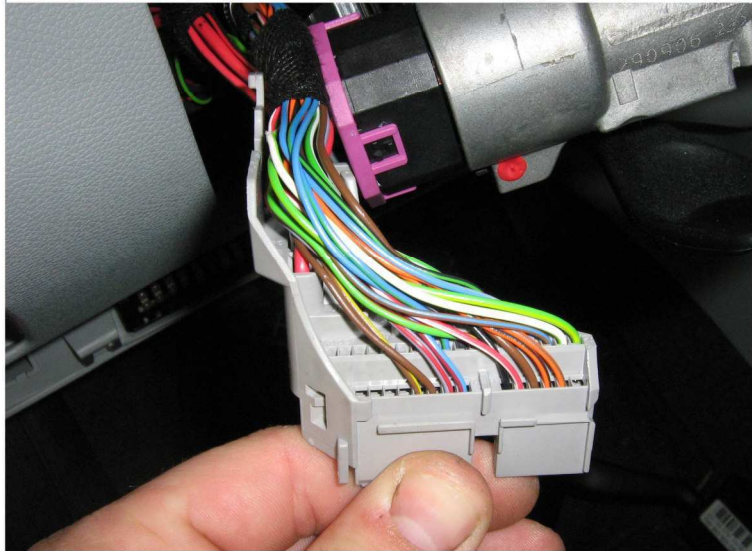
At this photo you can see the connector without cover

Wiring plan:

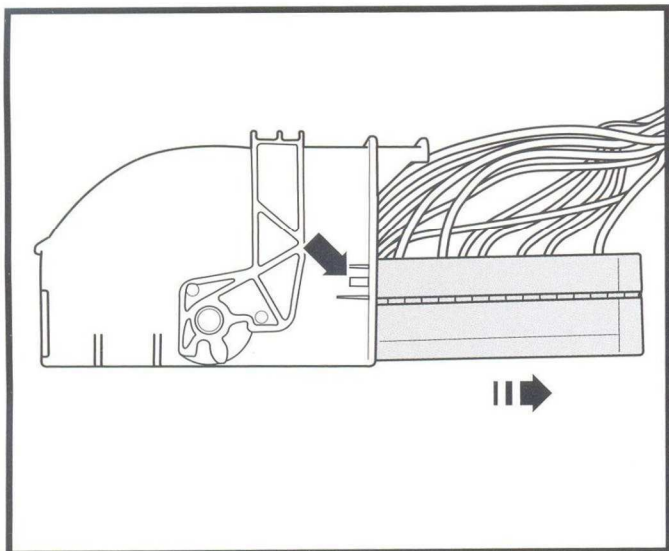


Start with the blue wire (pin 31) and continue in following order:

- T41/31 - blue wire
- T41/30 - red/yellow wire
- T41/29 - black/yellow wire
- T41/28 - black/blue wire
- T41/27 - white wire
- T41/26 - black/brown wire

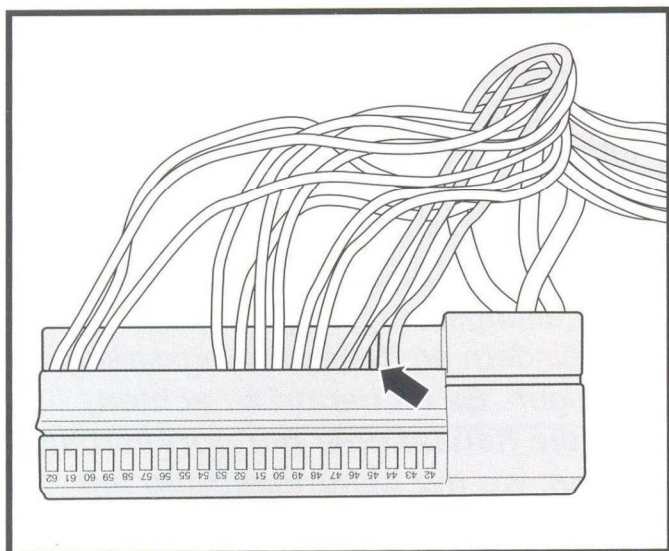


A = connector A
B = connector B



Loosen plug contact housing using a small screwdriver -arrow-

Pull plug contact housing out of connector housing in direction of arrow

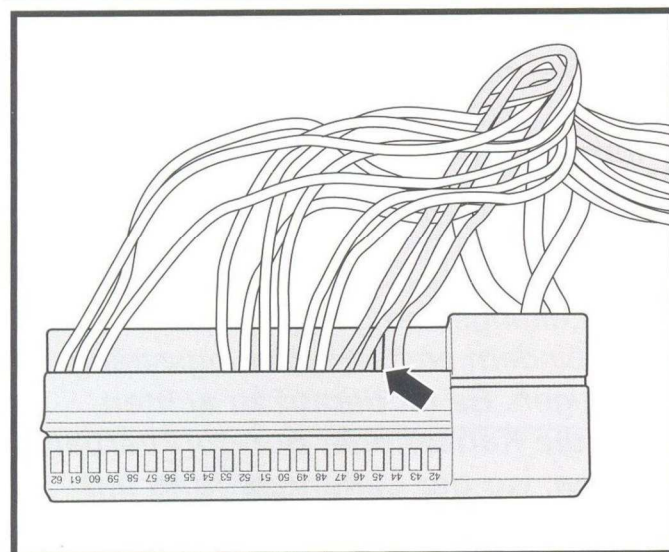


Connector B (white plug)

Plug in the wires as follows:

- pin 44 - red/yellow wire
- pin 45 - black/brown wire
- pin 46 - blue wire
- pin 47 - white wire

After connecting the plug contacts, push plug contact housing into connector housing again and plug into on-board controller.

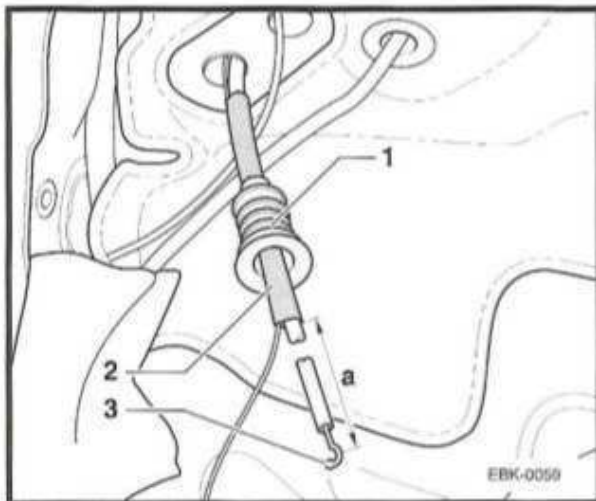


Connector A (black plug)

Remove black wire from pin 44. Sometimes this wire has an additional colour (black/red, black/yellow, black/green)

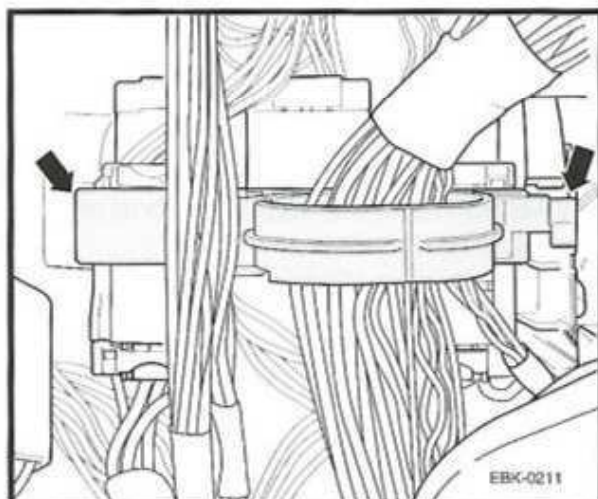
Now you have to place this wire on the opposite of the black/blue cruise control wire.

Plug the black/blue cruise control wire into pin 44.

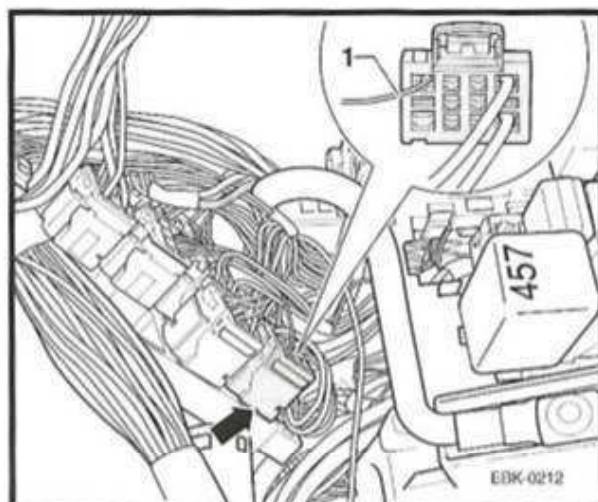


Lay the black/yellow cruise control harness to the motor control unit.
For this you have to lay it through the grommet together with the bowden cable for the hood release at the bulkhead.

- Remove battery and battery bracket from engine compartment.
- Remove E-box cover in engine compartment left.



- Fix cruise control cable harness in the engine compartment with cable straps kink-free and so that it does not rub.
- Pull coupling point bracket in area of **-arrows-** up out of the bracket.



- Separate plug connector T10 **-arrow-**.

Note:

There are 2 black connector housings in the E-box. Risk of confusion!

- Insert black-yellow cruise control lead **-1-** into chamber 1.
- Assembly is performed analogously in the reverse sequence.

Coding engine control unit

byte 5 - set bit 5 to 1 xx1xxxxx

Fahrzeug-Eigendiagnose	
Fahrzeugsystem auswählen	
01 – Motorelektronik	engine electronic
02 – Getriebeelektronik	
16 – Lenkradelektronik	
17 – Schalttafeleinsatz	
46 – Zentralmodul Komfortsystem	
56 – Radio	
10 – Einparkhilfe II	
07 – Anzeige-/Bedieneinheit	
09 – Elektrische Zentralelektrik	

Adresse 01 Motorelektronik

Fahrzeug-Eigendiagnose	
Unterstützte Funktionen	
Diagnosefunktion auswählen	
001 – Identifikation	
004 – Fehlerspeicherinhalt	
008 – Codierung	coding
011 – Messwerte	
012 – Anpassung	
017 – Sicherheit	

Codierung

Master

Fahrzeug-Eigendiagnose	6C – Rückfahrkamera
Unterstützte Funktionen	
Diagnosefunktion auswählen	
001 – Identifikation	
004 – Fehlerspeicherinhalt	
008 – Codierung	coding
011 – Messwerte	
012 – Anpassung	
017 – Sicherheit	

Codierung

Master

Fahrzeug-Eigendiagnose	
009 – Codierung	
Codierung auswählen	
Binärcodierung	
Klartextcodierung	plain text coding

Klartextcodierung

Fahrzeug-Eigendiagnose	01 – Motorelektronik
009 – Codierung	
Parameter anpassen	
Name	Wert
	00 11 40 18 00 04 01 08 00 00
	9 – Byte Codierung

For vehicles with long coding, you have to code the engine control unit with a Login Code for cruise control. For this you have to log in into the control unit with the Login Code 11463.

Coding VAS

For implementation of the vehicle coding you have to choose vehicle self-diagnostics. Please execute coding step by step as shown at the pictures.

address 09

Byte 17 - set bit 7 to 1 1xxxxxxx

Fahrzeug-Eigendiagnose	
Systemauswahl	
Wählen Sie ein System:	
Eigendiagnose ← self-diagnostic	
Eigendiagnose - Verbundsysteme	
LT2 Eigendiagnose	
Crafter Eigendiagnose	

Eigendiagnose

Fahrzeug-Eigendiagnose	
Fahrzeugsystem auswählen	
55 - Leuchtweitenregulierung	
5C - Spurassistent	
16 - Lenkradelektronik	
46 - Zentralmodul Komfortsystem	
56 - Radio	
10 - Einparkhilfe II	
07 - Anzeige-/ Bedieneinheit	
17 - Schalttafeleinsatz	
37 - Navigation	
47 - Soundsystem	
77 - Telefon	
0E - Mediaplayer Position 1	
08 - Klima-/Heizungselektronik	
09 - Elektronische Zentralelektrik ← electronic central electrics	

Adresse 09 Zentralelektrik

Fahrzeug-Eigendiagnose	19 - Diagnoseinterface für Datenbus
Unterstützte Funktionen	Interfacebox
Diagnosefunktion auswählen	Codierung 1
	Betriebsnummer
001 - Identifikation (Dienst \$1A)	
004 - Fehlerspeicherinhalt	
008 - Codierung (Dienst \$) ← coding	
011 - Messwerte	
014 - Lange Anpassung	
015 - Zugriffsberechtigung	
017 - Sicherheit	
022 - Ausgabe beenden	
Alle Diagnosefunktionen anzeigen	

Codierung

Fahrzeug-Eigendiagnose		
008 - Codierung		
Byte Index	Hex	Bit-Muster
0		
1		
2		
...		
17		1xxxxxxx

1 2 3
4 5 6
7 8 9
C 0 Q

HEX BIN

choose BIN

enter encoding value and confirm