

Engine control unit

Coding engine control unit

Notes:

- ☐ A 5-character code must always be displayed during the control unit identification.
- ☐ The control unit must be recoded if the vehicle relevant coding is not displayed or the control unit has been renewed.

Special tools, workshop equipment, testers, measuring instruments and auxiliary items required

- ☐ Fault reader V.A.G 1551 with cable V.A.G 1551/3

Work sequence

- Connect the fault reader V.A.G 1551 (V.A.G 1552). Then switch ignition on and select engine control unit with the "Address word" 01.
(Connecting fault reader and selecting engine control unit => Page [01-5](#).)

→ Indicated on display:

Rapid data transfer HELP
 Select function XX

- Press keys 1 and 1 for the "Login procedure" function and confirm input with Q key.

→ Indicated on display:

Login procedure HELP
 Input code number XXXXX

- Press keys 0, 1, 2, 8 and 3 for the Login code 01283 and confirm input with Q key.

→ Appears on display:

Data transfer fault

- Switch off ignition and repeat procedure.

→ Indicated on display:

Rapid data transfer HELP
 Select function XX

- Press keys 0 and 7 for the function "Code control unit" and confirm entry with Q key.

→ Indicated on display:

Coding control unit Q
 Enter code number XXXXX (0-32000)

- Enter the relevant code number for this vehicle and confirm with Q key.

Coding variants:

Coding	For following vehicles
00000	Manual gearbox with ABS
00001	Automatic gearbox with ABS

→ Indicated on display when a non-authorized code number has been entered.

Function is not recognised or cannot ☐
be performed at the moment.

→ On the display the control unit identification and coding are displayed, e.g.:

06A906018CS 2.0l R4/2V Motr HS V01 ☐
Coding 00000 WSC 00000

- Press the ☐ key.
- Press keys 0 and 6 for the "End output" function and confirm input with the Q key.
- Switch off ignition.

Note:

The code unit entered and shown on the display will not be used by the Motronic control unit until the ignition has been switched off once.

An incorrect coding leads to:

- ☐ Engine running faults (gearchange jerks, load change jerks, etc.)
- ☐ Increased fuel consumption
- ☐ Increased exhaust gas emissions
- ☐ Faults stored in fault memory which are not actually present
- ☐ Functions will not be performed (Lambda regulation, activation of the activated charcoal filter system, etc.).
- ☐ On front wheel drive vehicles the traction control will not function (TC warning lamp comes on)
- ☐ Reduced gearbox life