Encoding control unit

If the appropriate code for the vehicle is not displayed or if the control unit has been replaced, the control unit must be encoded as follows.

- Connect vehicle diagnostic, testing and information system VAS 5051 or fault reader V.A.G 1551 and select engine electronics control unit with "Address word" 01 => Page 01-2
  For this purpose, the ignition must be switched on.

Rapid data transfer	HELP
Select function XX	

ɪ̈ Indicated on display:

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

Code control unit	Q
Enter code number xxxxx (0 - 32000)	

ɪ̈ Indicated on display:

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

 Coding variations=>Page 01-70

Compose the code number as follows (example):

Audi A6	01			
Not used		0		
Emission standard MVEG II			0	
Front-wheel drive and manual gearbox				2
Code number	01	0	0	2

4B0907401.. 2.5l 4VT EDC G000SG D.. ⇒	
Code 01002	WSC 12345

ɪ̈ The display on fault reader V.A.G 1551 shows the control unit identification code e.g.:

- Switch the ignition off and then on again.

Note:

The next time the ignition is switched on the newly entered code will be activated.

- Press ⇒key.

Rapid data transfer	HELP
Select function XX	

ℹ Indicated on display:

- Press keys 0 and 6 for the "End output" function and press the Q key to confirm entry.

Coding variants for the engine control unit

Vehicle type		Not used		Country/emissions		Gearbox	
00 =	---	0 =	Display 0	0 =	MVEG II	0 =	---
01 =	Audi A6	1 =	---	1 =	EU II D3	1 =	Automatic gearbo drive with/witho
02 =	---	2 =	---	2 =	EU IV	2 =	Manual ge (FWD with/witho
03 =	---	3 =	---	3 =	---	3 =	Manual ge four-wheel drive
04 =		4 =	---	4 =	---	4 =	Automatic g four-wheel drive
05 =	---	5 =	---	5 =	---	5 =	Manual ge four-wheel driv
06 =	---	6 =	---	6 =	---	6 =	Automatic g four-wheel driv
07 =	---	7 =	---	7 =	---	7 =	Multitronic 01J gearb
08 =	---	8 =	---	8 =	---	8 =	Audi Allroad m additional shift stag

New code when replacing following engine control units:

Job number	Chassis number	Registration number	User	Date	Workshop Manual
900036			SERGUEI	29/11/2008	- 2 -

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Engine control unit old	Engine control unit new	Coding	Model
4B0 907.401 H	4B0 907 401 AB	01001	Automatic gearbox with fror
		01102	Manual gearbox with front
		01204	Automatic gearbox with fou without ESP
4B0 907 401 E	4B0 907 401 AB	01301	Automatic gearbox with fror
		01402	Manual gearbox with front
		01504	Automatic gearbox with fou without ESP
4B0 907.401 P	4B0 907 401 AC	01001	Automatic gearbox with fror
		01102	Manual gearbox with front
		01204	Automatic gearbox with fou without ESP

New code when replacing following engine control units:

Engine control unit old	Engine control unit new	Coding	Model
4B0 907 401 M	4B0 907 401 AC	01305	Manual gearbox with four-wh... ESP
		01406	Automatic gearbox with four-v... ESP
4B0 907 401 C	4B0 907 401 AC	01512	Manual gearbox with front
4B0 907 401 N	4B0 907 401 AC	01615	Manual gearbox with four-wh... ESP
4B0 907.401 J	4B0 907 401 AD	01003	Manual gearbox with four- without ESP
4B0 907 401 L	4B0 907 401 AD	01203	Manual gearbox with four- without ESP
4B0 907 401 D	4B0 907 401 AD	01313	Manual gearbox with four- without ESP
4B0 907.401 B	4B0 907 401 AD	01103	Manual gearbox with four- without ESP

Notes:

ʊ If the vehicle is fitted with "ESP", this is shown by the "ESP" switch in the centre console.

ʊ Audi Allroad models are always fitted with ESP. At the fifth digit of the control unit coding the engine control unit is informed whether there is an additional shift stage (Low Range) installed in the Allroad or not. This differentiation is necessary in vehicles with manual gearbox. Allroad vehicles with automatic gearbox never have a switching stage.

ʊ For normal Audi A6 models the notes referring to the switching stage (also in coding table) can be disregarded.