

## Self-diagnosis of radio systems

### Encoding control unit

This function is used to encode the radio as follows:

- ◆ Radio configuration
- ◆ Sound system
- ◆ Number of passive loudspeakers
- ◆ Country identification

Notes:

- ◆ The encoding procedure is used to set the various radio configuration options (radio/navigation system).
- ◆ The encoding table only lists the possible combinations applying to the Audi A8.
- ◆ The term "aerial with remote power supply" refers to active aerials, i.e. the aerial amplifier receives its voltage supply via the centre conductor of the high-frequency cable.

### Encoding procedure

→ Indicated on display:

Rapid data transfer    HELP  
Select function XX

- – Press keys 0 and 7 to select "Encode control unit" function.

→ Indicated on display:

Rapid data transfer    Q  
07 - Encoding control unit

- – Confirm entry with Q key.

→ Indicated on display:

Encode control unit  
Enter code number  
XXXXX    (0-32000)

- – Enter code number as per encoding table: up to MY 01=>Page [01-38](#).

### Coding up to MY 01: 00117

- ◆ Country identification: 0 = Standard
- ◆ Sound balancing: 0 = Standard
- ◆ Number of passive loudspeakers: 1 = 1 passive loudspeaker at front left (Bose with telephone)
- ◆ Sound system: 1 = Bose sound system
- ◆ Radio configuration: 7 = Radio with CD changer and secondary display

### Coding from MY 02 onwards: 00637

- ◆ Radio configuration 5: 0 = Standard
- ◆ Radio configuration 4: 0 = A8
- ◆ Radio configuration 3: 6 = With Bose and active amplifier deactivation when using telephone
- ◆ Radio configuration 2: 3 = With navigation system and telephone
- ◆ Radio configuration 1: 7 = With diversity, CD changer

and multi-function steering wheel

→ The display will show the control unit identification and the coding that was entered (00117).

4D0035192E Radio D0002 ⇒  
Code 00117 WSC XXXXX

- – Press ⇒ key to terminate encoding procedure.

→ Indicated on display:

Rapid data transfer HELP  
Select function XX

- – Press keys 0 and 6.

→ Indicated on display:

Rapid data  
transfer Q  
06 -End output

- – Confirm entry with Q key.

Encoding table up to MY 01:

5	4	3	2	1	← Decimal places of byte coding on tester display			
				7	Radio configuration			
						Aerial with remote power supply	CD changer	Secondary display
					1	X	-	-
					3	X	X	-
					5	X	-	X
					7	X	X	X
					X = Component fitted	- = Not fitted		

5	4	3	2	1	← Decimal places of byte coding on tester display			
			1		Sound system adjustment			
						Type of adjustment		
					0	Standard (not Bose sound system)		
					1	Bose sound system		
		1			Number of passive loudspeakers			
						Number and locations		
					0	No passive loudspeakers (Bose sound system)		
					1	1 passive loudspeaker (front left) (Bose with telephone)		
					2	2 passive loudspeakers (front) and 2 active loudspeakers (rear)		

					5	2 passive loudspeakers (front) and no active loudspeakers (rear)
5	4	3	2	1	← Decimal places of byte coding on tester display	
					0	Sound balancing
					0	Standard
0					Country identification	
						Country
					0	Standard

Encoding table from MY 02 onwards:

5	4	3	2	1	← Decimal places of byte coding on tester display			
					7	Radio configuration 1		
						Diversity box	CD changer	Multi-function steering wheel
					0	-	-	-
					1	X	-	-
					2	-	X	-
					3	X	X	-
					4	-	-	X
					5	X	-	X
					6	-	X	X
					7	X	X	X
					X = Component fitted      - = Not fitted			

5	4	3	2	1	← Decimal places of byte coding on tester display			
					3	Radio configuration 2		
						Navigation	Telephone	VCS
					0	-	-	-
					1	X	-	-
					2	-	X	-
					3	X	X	-
					4	-	-	X
					5	X	-	X
					6	-	X	X
					7	X	X	X
					X = Component fitted      - = Not fitted			

5	4	3	2	1	← Decimal places of byte coding on tester	
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					display
		6			Radio configuration 3
					Fader OFF
					BOSE display ON
					Active amplifier deactivation when using telephone
				0	-
				1	X
				2	-
				3	X
				4	-
				5	X
				6	-
				7	X
					X = Component fitted      - = Not fitted

5	4	3	2	1	← Decimal places of byte coding on tester display
	0				Radio configuration 4
					0
					A8
					1
					A4 (B6)
					2
					A6
					3
					A4 (B6) Cabrio
					4
					TT
					5
					A2
0					5th decimal place = 0