Basic Coding Numbers and Procedures
for
Volkswagen and Audi models.

ENGINE CODING NUMBERS

PASSAT 2.8L VR6 WITHOUT OBD-II
1   Manual Transmission without EGR
2   Automatic Transmission without EGR
3   Manual Transmission with EGR
4   Automatic Transmission with EGR

PASSAT 2.0L WITHOUT OBD-II
1 HS   Manual Transmission with EGR and EVAP
2 AG   Automatic Transmission with EGR and EVAP

PASSAT 2.8L VR6 WITH OBD-II
00000   Manual Transmission
00001   Automatic Transmission

PASSAT 2.0L WITH OBD-II
00006   Manual Transmission
00007   Automatic Transmission

JETTA/GOLF/GTI 2.0L WITH OBD-II
00000   Manual Transmission
00001   Automatic Transmission

EUROVAN 2.5L 5 cylinder
Not necessary to 1999.

EUROVAN 2.8L VR6 WITH OBD-II
00000   Manual Transmission
00001   Automatic Transmission

ECM codes for model year 2000 and later.

Engine	Manual	Automatic	ABS	Airbag	Code
1. 9 Liter TDI	No	Yes	Yes	Yes	00001
1. 9 Liter TDI	No	Yes	Yes	No	00001
1. 9 Liter TDI	Yes	No	Yes	Yes	00002
1. 9 Liter TDI	Yes	No	No	Yes	00002
1. 9 Liter TDI	Yes	No	Yes	No	00002
1. 9 Liter TDI	No	Yes	No	Yes	00004
1. 9 Liter TDI	No	Yes	No	No	00004
2.0 Liter	Yes	No	No	No	00001
2.0 Liter	Yes	No	Yes	No	00011
2.0 Liter	Yes	No	No	Yes	00021
2.0 Liter	Yes	No	Yes	Yes	00031
2.0 Liter	No	Yes	No	No	00003
2.0 Liter	No	Yes	Yes	No	00013
2.0 Liter	No	Yes	No	Yes	00023
2.0 Liter	No	Yes	Yes	Yes	00033

Golf, Jetta, Beetle 1999-2000

Vehicle Type	ECM Part # / EPROM Level	Vehicle Engine ECM Coding			
		5 Speed Transmission		AG4 Automatic Transmission	
		ABS	No ABS	ABS	No ABS
Tier1 w/cruise	06A 906 018 BG 06A 906 018 P / V07	00000	00040	00001	00041
Tier1 w/o cruise	06A 906 018 BH 06A 906 018 AE / V06	00000	00040	00001	00041
LEV w/cruise	06A 906 018 J 06A 906 018 CR / V03	00000	00040	00001	00041
LEV w/o cruise	06A 906 018 J 06A 906 018 CQ / V03	00000	00040	00001	00041

Tier 1 = Federal
LEV = 50 State

AUDI 2.8L V6 MMS 300

CODING	TRANSMISSION TYPE	EQUIPPED WITH	NOT EQUIPPED
00000	Manual	Heated O2 Sensor, EVAP	EGR
00001	Automatic (AG4)		
00002	Automatic (HP18)		
00003	Manual	Heated O2 Sensor, EVAP, EGR, EGR Temp. Sensor, Speed Limiter	
00004	Automatic (AG4)		
00005	Automatic (HP18)		
00006			
00007			
00008			
00009	Manual		O2 Sensor, EVAP, EGR
00010	Automatic (AG4)		
00011	Automatic (HP18)		

AUDI 2.8L V6 MMS 311

1ST AND 2ND DIGIT	3RD DIGIT	4TH DIGIT	5TH DIGIT
Exhaust Gas Standard/Country	Special Functions	Transmission Type	Vehicle Type
00 = -	0 = Front Wheel Drive without ATC	0 = 5-Speed	0 = -
01 = USA with EGR	1 = Front Wheel Drive with ATC	1 = -	1 = 90, 90 Quattro
02 = Sweden and all countries not 01, 03, 04, 06	2 = All Wheel Drive without ATC	2 = Automatic (097)	2 = A6, A6 Quattro Sedan A6 Wagon A6 Quattro Wagon
03 = South Africa no O2 sensor	3 = -	3 = Automatic 097 (Phase 2)	3 = -
04 = European Union (EU) and Norway	4 = -	4 = Automatic (01K/01F)	4 = Cabriolet
05 = -	5 = -	5 = -	5 = -
06 = California (Frt. Wheel drive and Automatic trans. With EGR and EVAP	6 = -	6 = -	6 = -

ex. 01042 - USA, Frt. Wheel Drive w/o ATC, Auto Trans (01K/01F), Audi A6

AUDI 2.8L V6 MMS 400 WITH OBD-II
Not required. Coding of 01002 cannot be changed.

AUDI 1.8, 2.8L 1996-2000

1ST AND 2ND DIGIT	3RD DIGIT	4TH DIGIT	5TH DIGIT
Exhaust Gas Standard/Country	Special Functions	Transmission	Vehicle Type
00 = With EVAP	0 = Front Wheel Drive without ASR	0 = 5-Speed Manual	0 = -
01 = With EVAP and Differential Pressure Sensor	1 = Front Wheel Drive with Traction Control (ASR)	1 = 6-Speed Manual	1 = A4, TT
02 = -	2 = All Wheel Drive without Traction Control (ASR)	2 = -	2 = A6
03 = -	3 = All Wheel Drive with Traction Control (ASR)	3 = -	3 = A8
04 = -	4 = -	4 = 4-Speed Automatic	4 = -
05 = -	5 = Front wheel drive w/ASR, ESP, CAN Bus	5 = 5-Speed Automatic	5 = -
06 = USA; TLEV With EGR and Secondary Air (AIR) EVAP LDP	6 = All wheel drive without ASR, ESP, CAN Bus	6 = -	6 = -
07 = -	7 = All wheel drive with ASR, ESP, CAN Bus	7 = -	7 = -
08 = -	8 = -	8 = -	8 = -
09 = EGR	9 = -	9 = -	9 = -
10 = With EVAP, Differential Pressure Sensor, EGR and Secondary Air Injection (OBD-II)			

TRANSMISSION CODING

VW

Not required to 1998.

AUDI

Not required to 1996.

Trans.	Code	Description
01V	00010	Dynamic Shift Program (DSP) - Not Active (Not applicable for US or Canadian vehicles)
	00000	Dynamic Shift Program (DSP) - Active

ABS CODING

VW
Passat 04505

AUDI A6 Front Wheel Drive to 1997
000 Manual
001 Automatic

AUDI A6 All Wheel Drive
Not required to 1997.

Model	Transmission	Code
2.8L V6 5V	Automatic - 01V	00003
	Manual	00000

SRS CODING

VW Airbags to 2000

VW Chassis	Model	Index (ECU Part # suffix)	Coding
A3	Golf/Jetta	D J T	00068 00074 00084
A3	Cabrio	D J T ZF	00068 00074 00084 23110
A4	Golf/Jetta	C J	00067 00074
B4	Passat	G	00071
B5	Passat	B	00066
NB	New Beetle	F AQ A	00070 16721 12597
T4	Eurovan	M AJ	00077 16714
A2	Corrado (Canada)	C	00067

Audi Airbag III, V - 1995-97
00127

Audi Airbag up to week 35.98 for use with Control Modules "**4B0959655D**" or "**4B0959655K**" only.

Code	Airbag Features
00004	Vehicles with Front Airbags, Front Seat Belt Tensioners and 2 Rear Seat Belt Tensioners
00006	Vehicles with Front Airbags, Front Seat Belt Tensioners and 3 Rear Seat Belt Tensioners
00104	Vehicles with Front Airbags, Front Side Airbags, Front Seat Belt Tensioners and 2 Rear Seat Belt Tensioners
00106	Vehicles with Front Airbags, Front Side Airbags, Front Seat Belt Tensioners and 3 Rear Seat Belt Tensioners
00115	Vehicles with Front Airbags, Front Side Airbags, Front Seat Belt Tensioners, 2 Rear Seat Belt Tensioners, Belt Inquiry and Front Seat Occupied Sensor
00117	Vehicles with Front Airbags, Front Side Airbags, Front Seat Belt Tensioners, 3 Rear Seat Belt Tensioners, Belt Inquiry and Front Seat Occupied Sensor
00204	Vehicles with Front Airbags, Front Side Airbags, Rear Side Airbags, Front Seat Belt Tensioners and 2 Rear Seat Belt Tensioners
00205	Vehicles with Front Airbags, Front Side Airbags, Rear Side Airbags, Front Seat Belt Tensioners, 2 Rear Seat Belt Tensioners and Seat belt Fastened Sensor
00206	Vehicles with Front Airbags, Front Side Airbags, Rear Side Airbags, Front Seat Belt Tensioners and 3 Rear Seat Belt Tensioners
00207	Vehicles with Front Airbags, Front Side Airbags, Rear Side Airbags, Front Seat Belt Tensioners, 3 Rear Seat Belt Tensioners and Seat belt Fastened Sensor

Controller Numbers to week 35/98
4B0959655D   Front and Side Airbags
4B0959655K   Front and Side Airbags
4B0959655A   Front Airbags Only (Code as 00127)

Audi Airbag 8 , week 36/98 to 2000

Code	Airbag Features
00004	Vehicles with Front Airbags, Front Seat Belt Tensioners and 2 Rear Seat Belt Tensioners
00006	Vehicles with Front Airbags, Front Seat Belt Tensioners and 3 Rear Seat Belt Tensioners
00104	Vehicles with Front Airbags, Front Side Airbags, Front Seat Belt Tensioners and 2 Rear Seat Belt Tensioners
00106	Vehicles with Front Airbags, Front Side Airbags, Front Seat Belt Tensioners and 3 Rear Seat Belt Tensioners
00204	Vehicles with Front Airbags, Front Side Airbags, Rear Side Airbags, Front Seat Belt Tensioners and 2 Rear Seat Belt Tensioners
00205	Vehicles with Front Airbags, Front Side Airbags, Rear Side Airbags, Front Seat Belt Tensioners, 2 Rear Seat Belt Tensioners and Seat belt Fastened Sensor
00206	Vehicles with Front Airbags, Front Side Airbags, Rear Side Airbags, Front Seat Belt Tensioners and 3 Rear Seat Belt Tensioners
00207	Vehicles with Front Airbags, Front Side Airbags, Rear Side Airbags, Front Seat Belt Tensioners, 3 Rear Seat Belt Tensioners and Seat belt Fastened Sensor

00304	Vehicles with Front Airbags, Front Side Airbags, Front Seat Belt Tensioners, 2 Rear Seat Belt Tensioners and Head-level Airbags
00306	Vehicles with Front Airbags, Front Side Airbags, Front Seat Belt Tensioners, 3 Rear Seat Belt Tensioners and Head-level Airbags
00404	Vehicles with Front Airbags, Front Side Airbags, Rear Side Airbags, Front Seat Belt Tensioners, 2 Rear Seat Belt Tensioners and Head-level Airbags
00406	Vehicles with Front Airbags, Front Side Airbags, Rear Side Airbags, Front Seat Belt Tensioners, 3 Rear Seat Belt Tensioners and Head-level Airbags

Controller Numbers from week 36/98
4B0959655H   Front and Side Airbags
4B0959655F   Front and Head-level Airbags

ANTI-THEFT IMMOBILIZER

VW - See http://tech.vw.com/pdf/v019911.pdf

CENTRAL LOCKING

VW See http://tech.vw.com/pdf/01-98-15.pdf and http://tech.vw.com/pdf/01-98-16.pdf

Audi Type	Central Locking Version	Lock Options	Coding
A4 to 1997 (Delta radio)	Central Locking and Anti-Theft System	Standard	03468
		Lock at 15 km/h	03500
	Central Locking, Anti-Theft System and Keyless Entry	Standard	12172
		Lock at 15 km/h	12204
A4 1998-2001 (Concert Radio)	Central Locking and Anti-Theft System	Standard	03340
		Lock at 15 km/h	03372
	Central Locking, Anti-Theft System and Keyless Entry	Standard	16140
		Lock at 15 km/h	16172

Heating and Air Conditioning

Model	Year	Compressor	Code
A4 - 6 cyl.	1996	Zexel	00062
		Nippondenso	00162
A4 - 4 cyl.	1997	Zexel	04142
A4 - 6 cyl.	1997	Nippondenso	04162

Audi A4 1998-2001

1ST and 2ND digit	3rd = Country	4TH = # of Cylinders	5TH = Driver Side
00 = All	0 = USA	0 = 0	0 = Left
		4 = 4 cylinder	1 = Right
		6 = 6 cylinder	
		8 = 8 cylinder	

Basic Setting must be performed after coding. Basic setting is 0 0 0 0.
On 1996 models delete 00799 code if stored after basic setting.

Instrument Cluster

1ST and 2ND = Options	3rd = Country	4TH = # of Cylinders	5TH = Engine
00 = No Options	0 = Germany		0 = TDI
01 = Break pad wear indicator active	1 = Europe RdW Left Hand Drive		1 = -
02 = Seat belt warning system active	2 = USA		2 = Gasoline
04 = Washer fluid level indicator active	3 = Canada		
16 = Navigation I and II	4 = Great Britain	4 = 4 cylinder	4 = Turbo
	5 = Japan	6 = 6 cylinder	
	6 = Saudi Arabia	8 = 8 cylinder	
	7 = Australia		
	8 = RdW Right Hand Drive		
	9 = JP Right hand Drive		

Example: For models with Washer fluid level indicator and Break pad wear indicator would be coded as"
    04 + 01 = 05
USA 4 cyl Gas would then code as 05242

Headlight Aiming System

Audi

Code	Vehicle/Drive Layout
00001	A3 Front Wheel Drive
00002	A3/S3 All Wheel Drive
00003	A4 Sedan/Avant - Front Wheel Drive
00004	A4/S4 Sedan/Avant - All Wheel Drive
00005	A6 Sedan/Avant - Front Wheel Drive
00006	A6/S6 Sedan/Avant - All Wheel Drive
00007	A8 - Front Wheel Drive
00008	A8/S8 - All Wheel Drive

Radio

FACTORY SERVICE DEALER CODE
(**LOGIN**)

WSC NUMBER   01283, 06432, 04362

How to use VDS-PRO on the 1990-94 Cabriolet SRS Control System.

1. Start the VDS-Pro program.
2. Click once on the version number. (i.e. click on **2.0.9**)
3. A window will open allowing you to manually enter the controller address number.
4. Enter **57** for the Cabriolet SRS controller and click on **SEND ADDRESS**.
5. You will now be able to read and reset the Diagnostic Trouble Code (DTC).

Procedure After Restoring Electrical Power
1999 and later vehicles.

The following procedures are abbreviated. If necessary, complete instructions can be found in the appropriate Repair Manuals.

For vehicles equipped with Immobilizer, the Key code is maintained when power is interrupted for any reason. Therefore, recoding the key/instrument cluster is not required.

-- Check all systems for stored DTC's.
-- Make appropriate repairs, if necessary.
-- Clear DTC memory, if DTC's were found.
-- Set engine basic settings (Electronic Throttle Control Adaptation).
-- Set transmission basic settings.
-- Set Climatronic, power window, and power seat adaptation.
-- Check Readiness code and set.
-- Reset clock and radio anti--theft code.

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