

# APPENDIX C

## VW Data Blocks for Engine

### Data Block Group: 000

Display Field:	1	2	3	4	5
Indicated	ECT	Engine Load	RPM	O2 Factor	LTFT
Specification (digital)	182-224	26-44	80-88	92-164	83-241
Corresponding Value	80-110C	1.3-2.2ms	800-880rpm	0.7-1.3	0.87-1.22

Display Field:	6	7	8	9	10
Indicated	STFT (Part Load)	STFT (Full Load)	Air Correction	Not Used	Ignition Angle
Specification (digital)	NA	92-164	114-154		93-76
Corresponding Value	NA	0.7-1.3	2.8-5.2Kg/h		2.25-15°

### Data Block Group: 001

Display:	RPM	Engine Temperature (C)	O2	Ignition Timing
Indicated	Engine Speed	Engine coolant temperature	O2 sensor factor	Ignition (degrees)
Specifications	800-880 RPM	80-110C	0.7-1.3v	2.25-15

### Data Block Group: 002

Display:	RPM	Injector timing	Charging System	Exhaust Temperature
Indicated	Engine Speed	Injection timing period	Battery voltage	Exhaust temperature in Celsius
Specifications	800-880 RPM	2.8-5.2ms	12.5-15 volts	127.4 C (lowest figure displayed)

### Data Block Group: 003

Display:	RPM	Load Signal	Throttle angle	Intake Temperature
Indicated	Engine Speed	Engine load signal	Throttle valve angle	Intake manifold temperature
Specifications:	800-880 RPM	0-5%	5-19 Degrees	Approximate ambient temperature

### Data Block Group: 004

Display:	RPM	Load Signal	Km/h	xxxx
Indicated	Engine Speed	Engine load signal	Road speed signal	Operating mode (5 digit number)*
Specifications:	800-880 RPM	0-5%	0 Km/h	See footnotes

### Data Block Group: 005

Display:	RPM	Kg/h	Duty cycle	Adjustment conditions
Indicated	Engine Speed	Learned value for idle stabilization	Idle control valve	Not determined as of present
Specifications:	800-880 RPM	2.8-5.2 kg/h	50-60%	N/A

### Data Block Group: 006

Display:	O2	x.x	x.x	x.x
Indicated	O2 factor	Idle adaptation	Part load adaptation	Full load adaptation
Specifications:	0.7-1.3 volts	0.87-1.22 volts	N/A	0.7-1.3 volts

### VW - PASSAT CIS/MOTRONIC 9A

The engine controller of the 9A 16-valve found in the 1992 Passat has very little real time data available in it's native data stream.

The one available data block, 000, contains the following in decimal 0-255;

Field	Description	Nominal Values	Value Range
1	Engine coolant temperature		0-255
2	Engine load		0-255
3	Engine speed		0-255
4	Idle stabilizer adaptive		0-255
5	Idle stabilizer working		0-255
6	Differential pressure regulator working		0-255
7	Differential pressure regulator adaptive		0-255
8	Vehicle speed		0-255
9	Switching values		0-255
10	Engine timing		0-255

Nominal values will be found in the Passat Official Factory Repair Manual for 1990-93.

## Reading Individual Measuring Values Channel Numbers

Note: Disconnect EVAP canister purge regulator valve connector before checking channels 00 and 01.

### Audi

Channel	Component	Range
00	Oxygen Sensor (02S) control factor for Cyl. 1-3	120-136
01	Oxygen Sensor (02S) control factor for Cyl. 4-6	120-136
02	02S 1 output voltage	300-600mv
03	02S 2 output voltage	300-600mv
04	Injection time, Cyl. 1-3	~2.3ms@idle
05	Mass Air Flow (MAF) sensor ground voltage loss	0-40mv
06	Duty cycle (control) for EVAP canister purge regulator valve -N80	0 (open)-255 (closed)
07	Duty cycle (control) for Idle Air Control (IAC) valve -N71	~128
08	Current regulation for IAC valve -N71	
09	Throttle valve angle	0 at Idle
10	EGR temperature (via EGR temperature sensor -G98-)	C
11	Throttle Position (TPS) sensor -G69- output voltage	12-25 ~19 at Idle
12	Ignition Map Switching	<128 Map 1 (Base) >128 Map 2 (Retarded Timing)
13	Ignition Timing with Knock Regulation and ISC	Ign. Timing in Crank Degree
14	ECM battery positive voltage supply (B+)	10.56-14.56 Volts
15	Current road speed	Km/h

## Volkswagen/Audi SRS (Airbag) Data Block Definitions

Display Group No.	Display Field	Designation	Display Content	Definition of display content	Correction
001	1	Driver's Side Airbag Igniter - VW N95	1111	Resistance OK	Check wiring by visual inspection. Check circuit connections for correct and secure fit while simultaneously watching display.
			0111	Resistance value too high	
			1011	Resistance value too low	
			1101	Short to Ground (GND)	
			1110	Short to positive (B+)	
	2	Passenger's Side Airbag Igniter - VW N131	1111	Resistance OK	If display content changes to 1111 (resistance OK), then erase DTC Memory.  If wiring and connections are OK and a malfunction is still indicated (1111 is not displayed), erase DTC Memory conduct test drive and check DTC Memory again  If display content still indicates a malfunction, replace igniter.
			0111	Resistance value too high	
			1011	Resistance value too low	
			1101	Short to Ground (GND)	
			1110	Short to positive (B+)	
	3	Left Seat Belt Tensioner Igniter - VW N153	1111	Resistance OK	If display content still indicates a malfunction, replace igniter.
			0111	Resistance value too high	
			1011	Resistance value too low	
			1101	Short to Ground (GND)	
			1110	Short to positive (B+)	
	4	Right Seat Belt Tensioner Igniter - VW N154	1111	Resistance OK	If necessary, replace Airbag Control Module - J234.
0111			Resistance value too high		
1011			Resistance value too low		
1101			Short to Ground (GND)		
1110			Short to positive (B+)		

Display Group No.	Display Field	Designation	Display Content	Definition of display content	Correction
002	1	Voltage supply (B+)	0	Voltage too low	Check Battery Positive Voltage (B+), Check Generator (GEN), Wiring Diagrams. Check wiring by visual inspection only
			1		

## Volkswagen/Audi ABS Data Block Definitions

### Volkswagen

Display Group No.	Display Field	Designation	Display Content	Value Not Moving	Units	Correction
001	1	Wheel speed - Left Front	0-255	2-6	Km/h	Check for variations in wheel speed between all sensors. Variation indicates damaged or polluted sensors or high wire resistance.
	2	Wheel speed - Right Front	0-255	2-6	Km/h	
	3	Wheel speed - Left Rear	0-255	0-2	Km/h	
	4	Wheel speed - Right Rear	0-255	0-2	Km/h	
002	1	Wheel speed - Left Front	2-255	255	Km/h	This is the speed at which the ABS controller detected activity in the pulse transmitters. This is a good indicator of properly functioning wheel sensors. Nominal values are 1-6 Km/h. High values indicate low voltage.
	2	Wheel speed - Right Front	2-255	255	Km/h	
	3	Wheel speed - Left Rear	0-255	255	Km/h	
	4	Wheel speed - Right Rear	0-255	255	Km/h	
003	1	Brake Pedal Not Depressed	0			This tests the brake pedal stop lamp switch and lamp circuit.
		Brake Pedal Depressed	1			

### Audi

Display Group No.	Display Field	Designation	Condition	Display Content	Value Not Moving	Units	Correction	
001	1	Wheel speed - Left Front		1-19	1	Km/h	Check for variations in wheel speed between all sensors. Variation indicates damaged or polluted sensors or high wire resistance.	
	2	Wheel speed - Right Front		1-19	1	Km/h		
	3	Wheel speed - Left Rear		1-19	1	Km/h		
	4	Wheel speed - Right Rear		1-19	1	Km/h		
	5		Brake Pedal	Not Depressed	0			This tests the brake pedal stop lamp switch and lamp circuit.
			Brake Pedal	Depressed	1			
	6		Brake Pedal	Not Depressed	0			
			Brake Pedal	Depressed	1			
7		Voltage at ABS return flow pump -V39-	Not Running	0			No permissible	
			Running	1				
8		ABS solenoid valve relay	Relay Open					
			Relay Closed	1				

In all Audi's, above 19Km/h (12mph) the OBD function of the ABS controller is terminated.

# APPENDIX D - Control Unit Programming Code List

## ENGINE CODING NUMBERS

### VW

#### **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

### 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**

1 <sup>ST</sup> AND 2 <sup>ND</sup> DIGIT	3 <sup>RD</sup> DIGIT	4 <sup>TH</sup> DIGIT	5 <sup>TH</sup> DIGIT
<b>Exhaust Gas Standard/Country</b>	<b>Special Functions</b>	<b>Transmission Type</b>	<b>Vehicle Type</b>
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 2.8L V6 MMS 411 WITHOUT OBD-II**

1 <sup>ST</sup> AND 2 <sup>ND</sup> DIGIT	3 <sup>RD</sup> DIGIT	4 <sup>TH</sup> DIGIT	5 <sup>TH</sup> DIGIT
<b>Exhaust Gas Standard/Country</b>	<b>Special Functions</b>	<b>Transmission</b>	<b>Vehicle Type</b>
00 = With EVAP	0 = Front Wheel Drive without ATC	0 = 5-Speed Manual	0 = -
01 =With EVAP and Differential Pressure Sensor	1 = Front Wheel Drive with Automatic Traction Control (ASR)	1 = 6-Speed Manual	1 = A4, TT
02 = -	2 = All Wheel Drive without Automatic Traction Control (ASR)	2 = -	2 = A6
03 = -	3 = -	3 = -	3 = -
04 = -	4 = -	4 = Automatic (01K/01F)	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) Vehicle with LDP	6 = All wheel drive w/ASR, ESP, CAN Bus	6 = -	6 = -
07 = -	7 = -	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 1998.

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## ABS CODING

### VW

Passat 04505

### AUDI A6 Front Wheel Drive

000 Manual

001 Automatic

### AUDI A6 All Wheel Drive

Not required at this time.

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## 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	00070 16721
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>

**FACTORY SERVICE DEALER CODE**

(LOGIN)

**WSC NUMBER** 01283, 06432, 04362

## APPENDIX E

### Volkswagen / Audi Instrument Cluster Service Interval Reset

The service interval is reset the same way as the Audi, by using the VAG1551, VAG1552 or the VDS-PRO software to access the instrument cluster controller.

Here are the steps for the VAG units for a 12000Km oil inspection reset.

- 1) Enter instrument cluster address word 17.
- 2) Accept with Q.
- 3) Select function for adaptation address word 10.
- 4) Accept with Q.
- 5) Now select the Service Interval channel 05.
- 6) Accept with Q.
- 7) Now scroll through the menu to "Input adaptation value XXXXX" screen. The adaptation is set in kilometers with 00000 = 0Km and 00012 = 12000Km. 00012 is the value for standard oil changes.
- 8) Enter 00012.
- 9) Accept with Q.
- 10) Move to next screen with Q.
- 11) Accept changed value with Q.

Other inspections are on channels 06, 07 and 08 at 24000, 36000 (360 days) and 48000Km (720 days) respectively.

With the VDS-Pro software the reset is as follows.

Choose Instrument Cluster

Choose Service Interval Reset

Choose the reset you wish to make oil, inspection 1 (24000Km), 1 (360 days) or 2(720 days).

Choose accept.

The VAG1552 and the VDS-Pro are both at our website <http://www.baumtools.com> .

#### **For vehicles with Mechanical SRI resets (1994-97)**

- 1) Switch ignition On.
- 2) Press and hold the odometer reset button located below the speedometer.
- 3) Switch ignition OFF and release odometer reset button. OEL will appear in the SRI display.
- 4) Press and hold the lower digital clock reset button or the analog clock reset button until 5 dashes ( - - - - - ) appear in the display. OEL SRI is now reset to 7500 miles (12,000 km) or 6 months, whichever comes first.

Once the OEL is reset, the other displays can be reset in the same way without switching the engine on or off again.

- 5) Press the odometer reset button to perform the inspection 01. The IN 01 should be displayed. Reset using the clock reset button.
- 6) If necessary, repeat the procedure for inspection 02.
- 7) To end turn ignition on. When the IN 01 appears switch off ignition.

# APPENDIX F

## VW/Audi Engine/Transmission Initiating Basic Setting

The basic setting should be initiated after performing the following repairs:

- \* Exchanging engine
- \* Replacing Engine Control Module (ECM)
- \* Replacing/altering throttle valve
- \* Adjusting throttle valve (setting idling speed).
- \* Replacing Throttle Position (TP) Sensor
- \* Altering Throttle Position (TP) Sensor setting
- \* Replacing Transmission Control Module (TCM)

For Transmissions 096, 097, 01M, 01N

1. Connect CS2000 Scan Tool and choose "TRANSMISSION", then "Automatic Transmission" then choose the function "Basic Setting".
2. The Accelerator Pedal must remain in Closed Throttle Position.
3. Now enter "000" as the block number. Choose to accept with ENTER. The CS2000 will then verify.
4. The system is now in basic setting mode.
5. Depress Accelerator Pedal as far as kickdown and hold in this position for at least 5 seconds.
6. Release and press EXIT. The Basic Alignment of Engine and Transmission is now complete.

Engines AEB, AEG, ATW, AHA, APH - ALL

1. Connect CS2000 Scan Tool and choose "ENGINE", then "GASOLINE" then choose the function "Basic Setting".
2. The Accelerator Pedal must remain in Closed Throttle Position.
3. Now enter "060" as the block number. Choose to accept with ENTER. The CS2000 will then verify.
4. The vehicle will then perform the basic setting of the throttle. wait at least 30 seconds.
5. The display should now show the correct values in fields 1, 2 and 3 and ADP, OK in the 4<sup>th</sup> field.. If the 4<sup>th</sup> field displays ADP, ERROR the adaptation has not been successful. Check for error code 17967 and refer to the appropriate factory repair manual.

Engines ATW (Diesel) Automatic Transmissions with KICK DOWN Learning

1. Connect CS2000 Scan Tool and choose "ENGINE", then "GASOLINE" then choose the function "Basic Setting".
2. The Accelerator Pedal must remain in Closed Throttle Position.
3. Now enter "0630" as the block number. Choose to accept with ENTER. The CS2000 will then verify.
4. The system is now in basic setting mode.
5. Depress Accelerator Pedal as far as kickdown and hold in this position for at least 5 seconds.
6. Release and press EXIT. The Basic Alignment of Engine and Transmission is now complete.

## **APPENDIX G**

### **Procedure After Restoring Electrical Power**

1999 and later vehicles.

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

*z 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.

## APPENDIX H

### Cabriolet SRS (Airbag) System 1990-94

- 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). Please note that there is no explanation for many of the Cabriolet SRS codes as the system is not documented by VAG.

## Contact Information

A catalog of tools for all models is available by calling

**Baum Tools Unlimited Inc.**  
**800-848-6657 USA/Canada**  
**941-927-1414 International**  
**941-927-1612 Fax**

Manuals for most models are available from our **Technical Publications** division.  
To order or request a listing call

**Baum Tools Unlimited - West**  
**415-566-9229**  
**415-566-0694 Fax**

Visit our website.

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