

Volkswagen and Audi Advanced Data Blocks evaluations for 2010

Volkswagen & Audi On-Board Diagnostic systems use live streaming data that are called Data Blocks. Trying to understand the available information can be a major challenge for most technicians. This training seminar is designed to help you associate the viewable data on the scan tool screen.

This live Data Block seminar will discuss these in depth VAG functions:

01 - Check control module version

03 - Output Diagnostic Test Mode

05 - Erase DTC memory

07 - Code control module

09 - Single reading

11 – Login

1A - Advanced ID

02 - Check DTC memory

04 - Basic settings

06 - End output

08 - Read measured value block

10 - Adaptation

15 - Readiness Code

16 - Security Access

With a VAG style scan tool, the technician can access any installed controller on a VW and Audi and learn to use all of the available functions ie: Throttle control.

	Display fields				
	1	2	3	4	
Display group 60: Adaptation of throttle value control module to Engine Control Module (ECM)					
Display	xxx <0	xx <0	text	text	
Indicated	Throttle valve angle	Throttle drive angle	Operational status	Adaptation status	
Range	0 to 90 <0	0 to 90 <0	Idle/Part Throt./ Full Throt./Decel/Enrich	ADP.runs/ADP.OK/ ADP.Error	
Specified value at idle	0 to 5 <0	0 to 5 <0	Idle	ADP.OK	

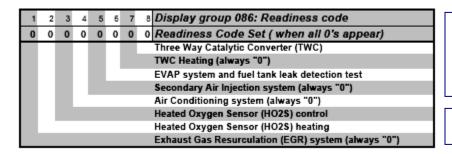
To date, there are 84 control units that can be addressed via a VAG tool.

The goal of this technical seminar is to aid the technician to comprehend the complexities of the old and new data generations. With these new diagnostic skills, the technician will increase their knowledge curve and productivity.

Additional Diagnostic coverage:

- Readiness Generating and Monitoring Diagnostics
 - Misfire Recognition Diagnostics
 - Throttle Valve Control Module (adaptations)
- Charge Pressure Control (Turbocharger testing)
- EVAP Control Diagnostic Data Blocks (forced test)
 - O2 Sensor Diagnostic Data Blocks
 - CAN Bus Diagnostic Data Block and analysis Airbag (SRS) Diagnostic Data Blocks
 - Archive and retrieve all important controller data

This seminar will now empower today's technician to create readiness monitors without leaving the repair facility. The technician will be able to "test" emissions components before and after a successful repair.



The readiness code has generated a PASS!

In the shop!

The mysterious data encryption will be revealed with ALL available VAG tools in mind. No mater the VAG tool, this seminar fits them all.

On all new models and with CAN systems, controllers are "adapted" and configured with Long Coding. Modern PC based scan tools have this option available:

Byte - Number	Value (hexadecimal)	Value (binary)
00	00	00000000
01	8F	10001111
02	8F	10001111
03	02	0000010
04	00	0000000
05	04	00000100
06	20	00100000
07	00	0000000
08	00	0000000
09	12	00010010
10	0C	00001100

Long coding example for the 2008 Audi TTR

Address 09: Central Electrics

Part No SW: 8P0 907 279 K HW: 8P0 907 279 K

Component: Bordnetz-SG H54 2501

Coding: F1041E83C0141C0047180000180000000284E075A250802000000000000

Shop #: WSC 12345

This seminar is an advanced class that offers the majority of controller data with a 455 page resource manual that includes:

- "K" line and CAN diagnostics.
- VAG function descriptions and their meanings.
- Readiness monitor generating (in shop).
- Label file (comprehension, integration and creation) (Vag-Com).
- ALL Readiness setup for VW and Audi.
- Effective test drives sheets for the 1.8T, 2.8, 2.7, All MMS 410, 411 A B and C.
- Consolidated Data Blocks for Gasoline Engines.
- CAN-Bus and Immobilizer System Generations.
- Data Block analysis for all 1.8T, 2.8, 2.7, 3.7, and 4.2 series engines.

This class is also Laptop driven. All attending technicians and shop owners are issued a CD with over 800 controller labels, Gas analysis software, Volumetric efficiency software, STFT, LTFT software, Fault Codes, Service Reminder Indicator setup, and numerous documents that add up to over 30 meg worth of shop information.

Time = Money
Training = Efficiency
Efficiency = Money
Knowledge = Power
Power = Money

This is the way of the future.

This is how I teach.

This is what you need to learn. There are no answers, it's the choices that are made. (AF)

This seminar includes live data within the power point presentation. Technicians will follow the included resource manual, CD, live data with the presentation.

This Data Blocks class is a prerequisite to the Volkswagen and Audi CAN (Controller Area Network) seminar.

Schedule your reservation for this class by contacting: Euro Systems Automotive Training Inc. at 1-866-245-7602 Reservations and seating is limited.



Secure Payment options.

Seminar Date:

Host facility:

VW and Audi training with technical support Call 1-866-245-7602 Email:esatinc@esatinc.ca