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[How-to: Setting Readiness Codes with VAG-COM on 12V VR6](#)

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How-to: Setting Readiness Codes with VAG-COM on 12V VR6

My state uses the OBDII port scan to check emissions for inspection for vehicles 96 and up. Since my car is due this month, I had to fix my secondary air system 😊 and have been trying to figure out how to reset my readiness codes with the VAG-COM without driving around for a couple of days just aimlessly waiting. I looked through the Bentley and found a procedure that takes about 15-20 minutes which will run through all the tests for the readiness codes. To read more about readiness codes see the [Ross-Tech website](#). So while it's fresh in my memory, I figured I'd jot it down here so that others could use it to easily reset their readiness codes (or uncover other issues 😞).

I tested this procedure on a 1996 Jetta VR6 (259A), so I'd guess it'd be good for most other AAA OBDII VR6 engines. The info was taken from the 95-97 Passat Bentley (starting on page F01-31). As always, YMMV. 😊

The procedure involves using the Block readings in VAG-COM which display a bunch of parameters that you compare to the expected value in the Bentley. I was able to use the Diagnostic Code in the 4th column as a comparison point to determine whether the particular block "passed". You only have to worry about the listed numbers to know if the code matches or not - the "x" values are just placeholders and it doesn't matter if they read 0 or 1 for this testing. The majority of the tests are done with the car stationary and either at idle or a specific RPM range. Two of the tests involve driving for a very short period of time.

I noticed as I progressed through the steps that many of them will pass within a few seconds. One or two may not exactly match after the set time, so if that's the case then move on to the next step and when you finish go back and check it again. If it's still not matching exactly, it might need further investigation. However, check the Readiness code (01-Engine, 15-Readiness) when you finish the 16 steps either way to see if they are all set to Pass. If they aren't, check for fault codes and go from there. If they are set to Pass and you have no fault codes, you are good to go. 😊

Below the list of Block tests, I listed my guess of which blocks match up to the readiness systems that are checked to generate the Passed readiness code.

\*\*\*\*\*

- Turn ignition to on position for 30 seconds
- Open up the VAG-COM software
- Select Control Module
- 01 - Engine
- 02 - Fault Codes (clear any codes that exist)
- Start engine and let idle
- Go back to Engine module
- 04 - Basic Settings
- To test each step, Enter Block # and Hit Enter (or "Go!")

1.  
Block 103 - (Three Way Catalytic Conv.)  
Vehicle: Stationary  
RPM: 3000-3500  
Time: 60 seconds  
Diagnosis Code: xx1x xx00
  
2.  
Block 160 - Secondary Air Injection System  
Vehicle: Stationary  
RPM: Idle  
Time: 20 seconds  
Diagnosis Code: xx11 x100

3.  
Block 103 – (Three Way Catalytic Conv.)  
Vehicle: Stationary  
RPM: 2200-3300  
Time: 120 seconds  
Diagnosis Code: xx1x xx00
4.  
Block 131 – Oxygen Sensor (O2S) aging (regulating frequency extended)  
Vehicle: Stationary  
RPM: Idle  
Time: 30 seconds  
Diagnosis Code: xx11 x100
5.  
Block 125 – Oxygen Sensor (O2S) adaptation in partial load range  
Vehicle: Drive in 2nd gear (Auto: "2") [note: maintain constant throttle in rpm range or this block test will reset itself]  
RPM: 2500-4500  
Time: Roughly 30-120 seconds  
Diagnosis Code: 01x1 x100
6.  
Block 125 – Oxygen Sensor (O2S) adaptation in idle range  
Vehicle: Stationary  
RPM: Idle  
Time: 40 seconds  
Diagnosis Code: 01x1 x100
7.  
Block 130 – Oxygen Sensor (O2S) aging (regulating frequency extended)  
Vehicle: Stationary  
RPM: 2500-3500  
Time: 20 seconds  
Diagnosis Code: 1111 x100
8.  
Block 136 – Three Way Catalytic Converter  
Vehicle: Stationary  
RPM: 2500-3500  
Time: 120 seconds  
Diagnosis code: 1111 x100
9.  
Block 150 – Fuel Tank venting system (EVAP canister purge regulator valve)  
Vehicle: Stationary  
RPM: Idle  
Time: 30 seconds  
Diagnosis code: 1110 x100
10.  
Block 180 – Vehicle Speed Sensor (VSS)  
Vehicle: Drive in 3rd gear [note: maintain throttle for 5 seconds then release throttle for 3 seconds]  
RPM: 3500  
Diagnosis code: x111 x100
11.  
Block 145 – Knock Sensor (KS) 1  
Vehicle: Stationary  
RPM: 3200  
Time: 15 seconds  
Diagnosis code: xxxx 1100
12.  
Block 146 – Knock Sensor (KS) 2  
Vehicle: Stationary  
RPM: 3200  
Time: 15 seconds  
Diagnosis code: xxxx 1100
13.  
Block 115 – Heated Oxygen Sensor (HO2S) before three way catalytic converter  
Vehicle: Stationary  
RPM: 2200-2800  
Time: 15 seconds  
Diagnosis code: 1011 x100
- 14.

Block 116 – Heated Oxygen Sensor (HO2S) after three way catalytic converter  
Vehicle: Stationary  
RPM: 2200-2800  
Time: 15 seconds  
Diagnosis code: 1011 x100

15.  
Block 120 – Oxygen Sensor (O2S) heating (before and after three way catalytic converter)  
Vehicle: Stationary  
RPM: 2200-2800  
Time: 15 seconds  
Diagnosis code: 1111 x100

16.  
Block 121 – Oxygen Sensor (O2S) heating (before and after three way catalytic converter)  
RPM: 2200-2800  
Time: 15 seconds  
Diagnosis code: 1111 x100

\*\*\*\*\*  
Blocks Associated to Readiness Codes

Oxygen Sensor Heating  
Blocks 130, 115, 116, 120, 121

Oxygen Sensor  
Blocks 125, 131

Secondary Air Injection  
Block 160

Evaporative Emissions  
Block 150

Catalytic Converter  
Blocks 103, 136

\*\*\*\*\*

There you have it – hopefully others can find this useful. Any questions/comments/corrections are welcome. 📖 😊

Thou shalt not partake of Decaf.

**PTAC!**

**WTB: Mk2 GTI Rear Recaro Bench Seat - Gray**

**95GLS**  
Member

📄 Re: How-to: Setting Readiness Codes with VAG-COM on 12V VR6 (SaucemanVR6) »

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hmmmm, well done. I will try when the VRT goes in for inspection.

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**Uncalm**  
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