

Volkswagen Passat B5 VAG-COM Info

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Ross-Tech is not responsible for any damage or problems that may result from following these instructions. They are to be used at your own risk.

Specific Modules:

01-Engine: -- KWP-1281 , KWP-2000

VAG-COM works well with all engines available in the U.S. and most engines that users have tested in overseas markets. See the function chart for any limitations for KWP-2000.

Idle Speed Adaptation (see your Repair Manual):

With engine warmed up, at idle:

[Select]

[01 engine]

[Adaptation - 10]

Enter channel 01

Enter an adaptation value between 124 and 132

[Save]

Throttle Body Adaptation:

Turn the key on but do not start the car.

[Select]

[01 - Engine]

[Measuring Blocks - 08]

Group 060 or Group 98

[Go!]

[Switch to basic settings]

Once you do this you will see the top right display say ADP RUN. The TB adaptation is being done as soon as you switch to basic settings. You will see the values change and hear the TB cycle for the first few seconds then it will stop. Leave it in basic mode for about 30 seconds, then switch back to normal settings and you're all set.

Be sure not to touch the accelerator and make sure the engine is NOT running when you do this!

Activating Cruise Control on a new ECU (DBW):

Factory fresh ECU's often come with cruise control de-activated.

[Select]

[01 - Engine]

[Login - 11]

Enter 11463 to activate cruise control

[Do It!]

02-Auto Trans : -- KWP-1281

VAG-COM works fine

03-ABS Brakes: -- KWP-1281

VAG-COM works fine

08-HVAC: -- KWP-1281

VAG-COM works fine

15-Airbags: -- KWP-1281

VAG-COM Works fine.

17-Instruments: K1 -- KWP-1281

VAG-COM Works fine.

[Immobilizer Procedures in the Ross-Tech Wiki](#)

19 - CAN Gateway: -- KWP-1281

VAG-COM Works fine. This is physically located in the Instrument Cluster, but functionally it controls communications on the CAN-BUS.

Look at the last digit in the coding. Add the values for the options together to get the correct coding.

0 - No available equipment
+1 - Automatic Transmission
+2 - ABS Brakes
+4 - Airbags

So, if you want to support Automatic Transmission, ABS Brakes, and Airbags, (add 1+2+4 = 7) = 00007.

22-AWD – Purely Mechanical!

The quattro system in these cars is purely mechanical, no electronics at all. This address is used by the Haldex system used in transverse-engine cars like the TT, the A3, and various Golf/Bora models.

35 - Central Locks: -- KWP-1281

Only on non-US vehicles with manual crank windows. VAG-COM Works fine.

37 - Navigation: -- KWP-1281

VAG-COM Works fine.

46 - Central Convenience: -- KWP1281

Only on vehicles with power windows. VAG-COM fine. There are numerous options/ features that can be set.

Selective Unlocking:

[Select]

[46 - Cent. Conv.] (35 - Cent. Locking for manual window cars)

[Recode - 07]

Write down the existing coding for future reference.

Enter 5-digit code from below

[Do It!]

Look at the existing Soft. Coding. If you have selective unlocking (press the unlock button on the remote once to open the driver's door, twice to open all the doors) the last digit of your coding should be an odd number. To make all doors unlock, add 1 to the coding.

Lock/Unlock Horn/Flash:

[Select]

[46 - Cent. Conv.] (35 - Cent. Locking for manual window cars)

[Adaptation - 10]

Channel (03..08)

Adaptation Value (1 = on, 0 = off)

[Save]

Channel 03 Auto Lock
Channel 04 Auto Unlock
Channel 05 Unlock, horn sounds
Channel 06 Lock, horn sounds
Channel 07 Unlock, turn signals flash
Channel 08 Unlock, turn signals flash

55- Headlight Range: – KWP1281

VAG-COM appears to work fine. This is the OEM Xenon HID system.

56- Radio: – KWP1281

VAG-COM appears to work fine.

Radio Recoding:

[Select]

[56 - Radio]

[Recode - 07]

Write down the existing coding for future reference.

Enter 5-digit code from below

[Do It!]

Look at the first two digits in the coding (sound field tuning):

00 - All models with Premium IV or Premium V

04 - All models with Monsoon

Look at the third digit in the coding (radio/speaker system):

0 - Premium V or Premium VI (Monsoon)

4 - Premium IV, Premium V, or Premium VI (non-Monsoon)

Look at the fourth digit in the coding (sound correction):

0 - Premium IV or Premium V (non-Monsoon)

4 - Premium V (Monsoon)

Look at the fifth digit in the coding (CD player/changer):

1 - Without CD Player/Changer

3 - With CD Player/Changer

5 - Without CD Player/Changer with radio display in instrument cluster

7 - With CD Player/Changer with radio display in instrument cluster

So, if you have a Passat with Monsoon and a CD changer, 04,0,4,3 = 04043.

58- Fuel Tank: – KWP1281

VAG-COM appears to work fine. (W8 only)