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Beginner's Steps **to** **VW and Audi Success**

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What's the plan?

- Part 1:** General Information
Communication/Networks
- Part 2:** Wiring Diagrams
- Part 3:** Diagnostic Tool Conventions
Coding Modules
Real World Examples



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Are there different terms used by VAG?

- Yes!

<http://en.volkswagen.com/en/innovation-and-technology/technical-glossary.html>

Google search: VW Terminology



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Are there different terms used by VAG?

ASR

For the high-torque engines, the traction control system offers more comfort and safety, particularly when driving on slippery roads or surfaces with differing degrees of grip. The traction control system facilitates smooth starting and acceleration over the entire speed range without wheelspin or fishtailing.

The traction control system operates in tandem with the electronic accelerator ([E-Gas](#)) and uses the wheel speed sensors of the [anti-lock braking system \(ABS\)](#).



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Are there different terms used by VAG?

ASR = TRC or TRAC



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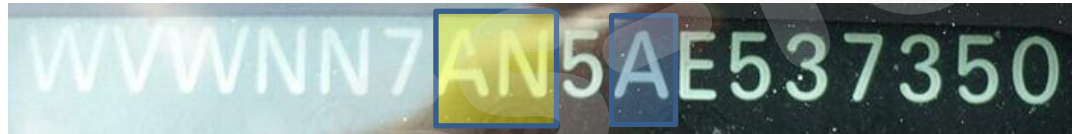
What kind of car are you working on?

- Year
- Model
- **VIN!**



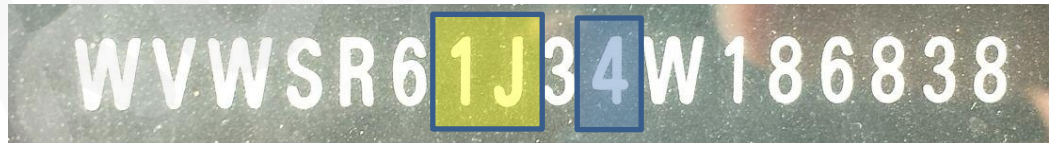
VIN

7th & 8th chars = chassis code 10th char = model year



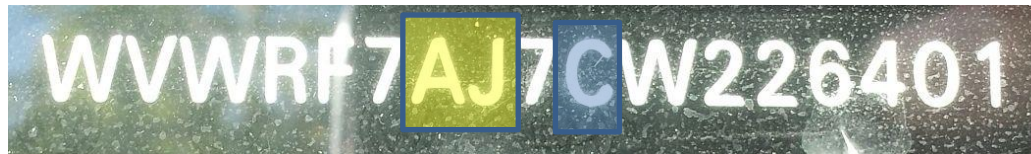
AN = 2006 to 2011 Passat

A = 2010



1J = 1998 to 2005 Jetta/Golf (US)

4 = 2004



AJ = 2010 to 2015 Jetta/Golf (US)

C = 2012



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What kind of engine?

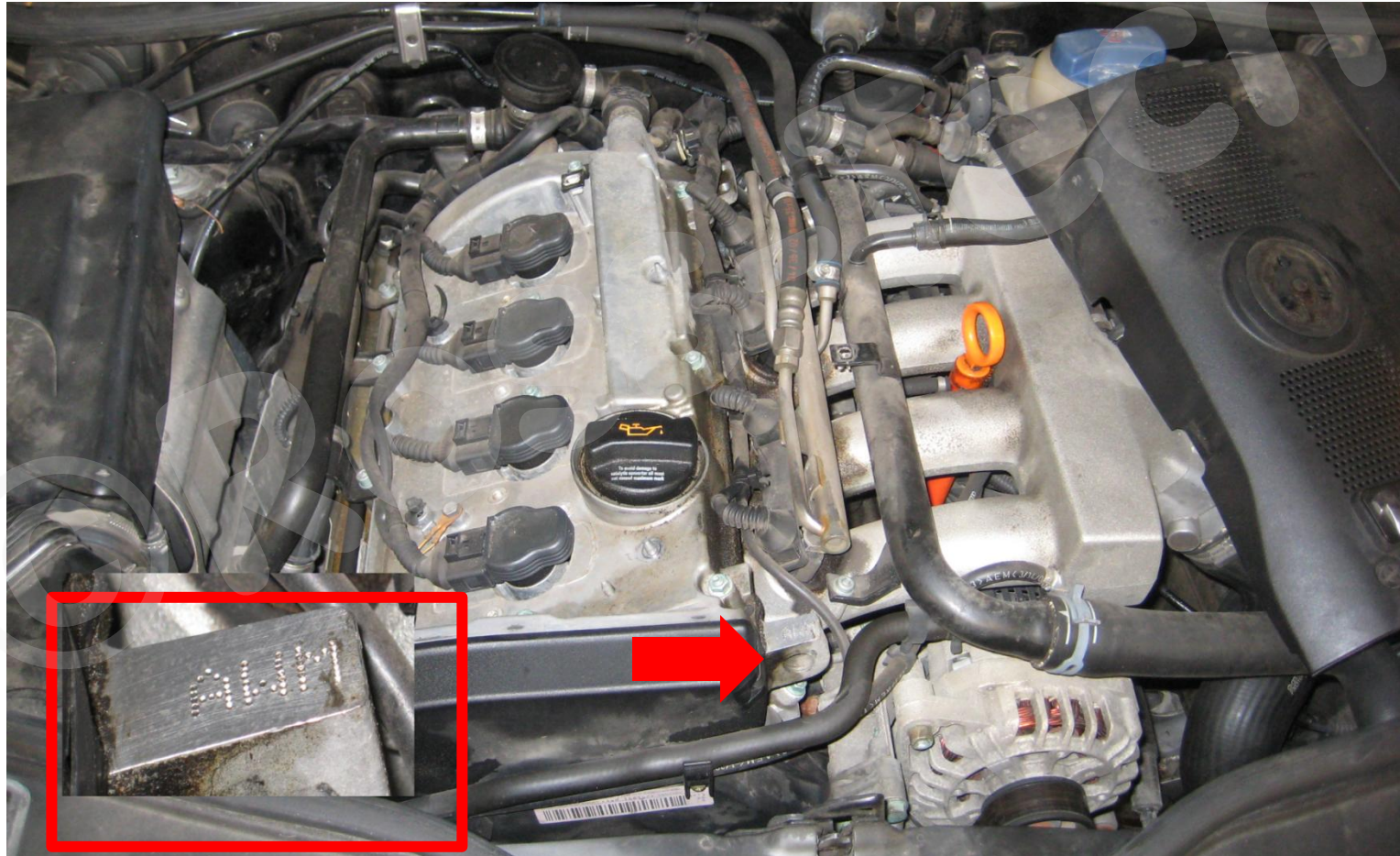
- Displacement?
- Gas or Diesel?
- Direct or Indirect Injection?
- Turbo or Naturally Aspirated?

While these things are important, the **Engine Code** will give us the details.



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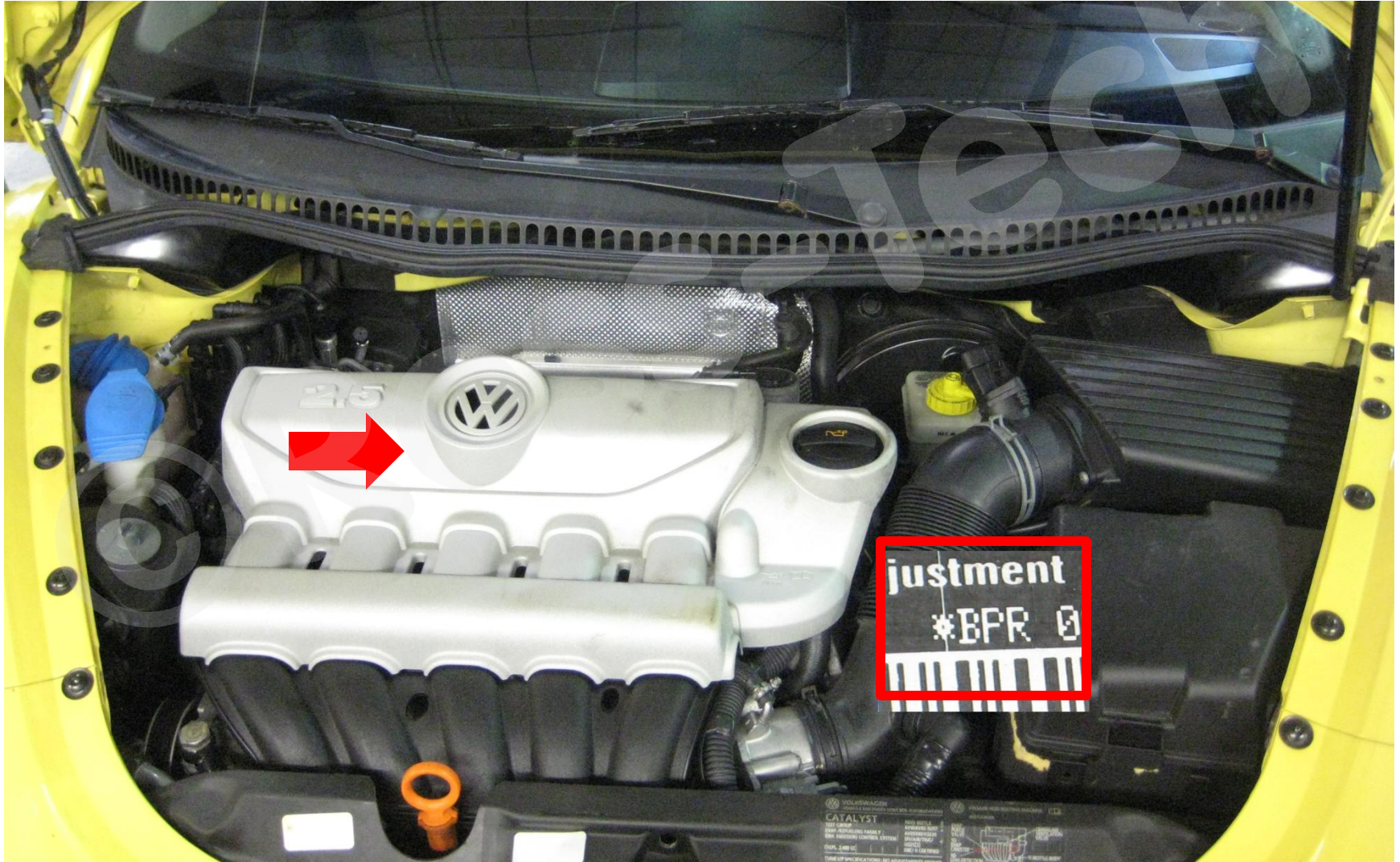
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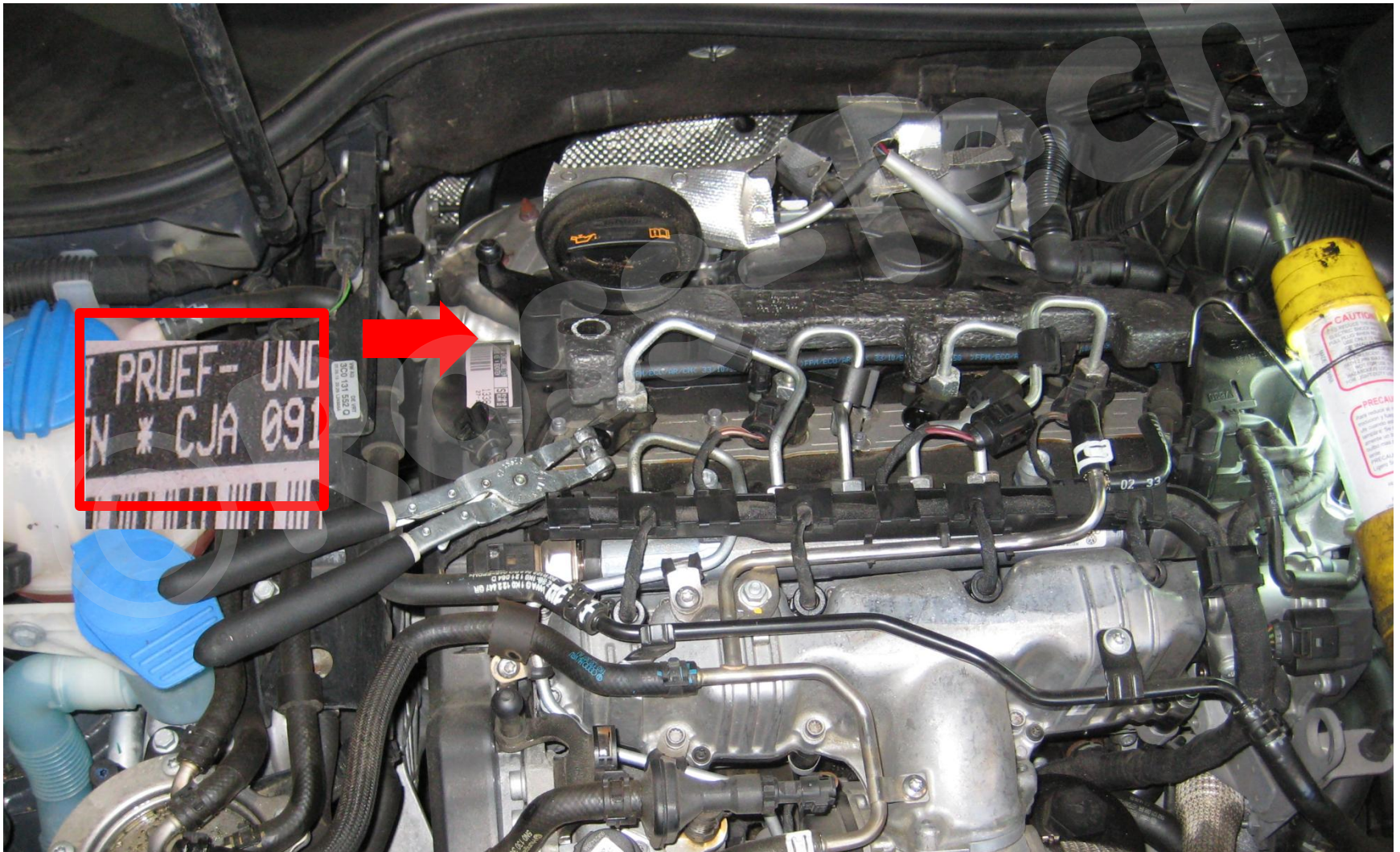
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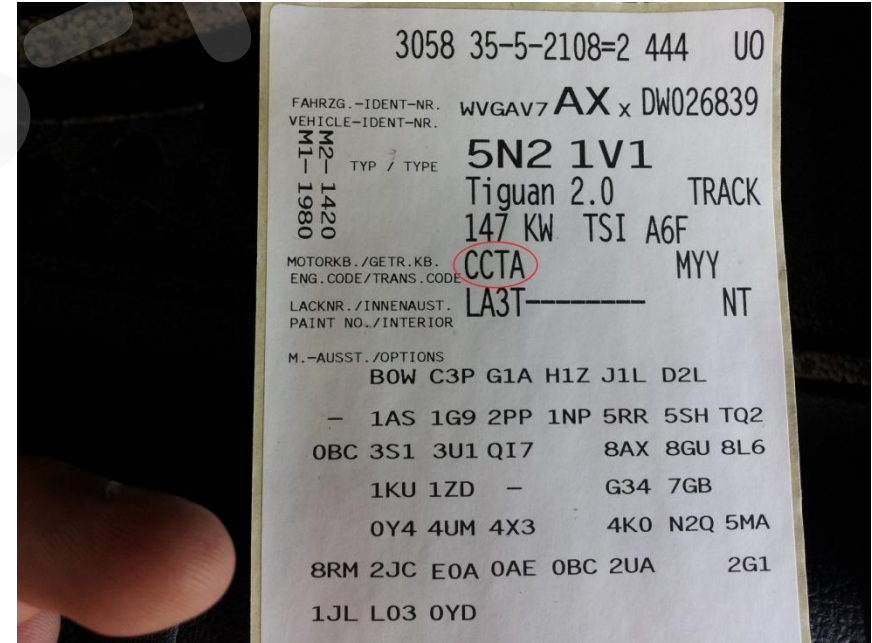
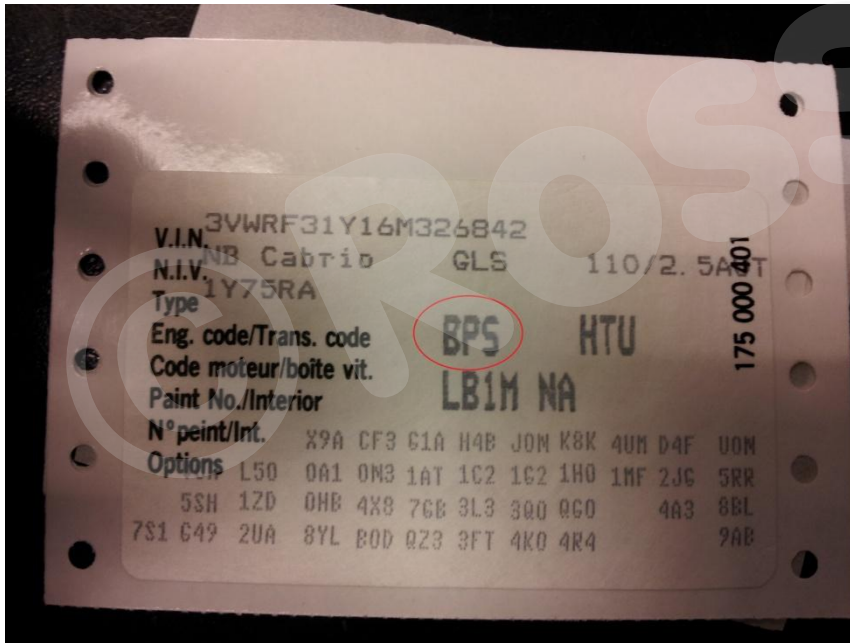




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How do I get all information? PR Sticker



<http://www.ross-tech.net/vag-com/advertising/PRCodeTechTip.pdf>



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What transmission?

- Many types of transmissions
- Transmissions are grouped into “families” by trans code:
 - 01V
 - 01J
 - 09G
 - 09A
- Families of transmissions will be overall mechanically the same



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Diagnostic Tool Component Scan

VCDS: Auto Scan Image Copyright (C) Ross-Tech, LLC

Note: Chassis Types can be modified by editing the [AUTOSCAN.TXT file](#)

Select Chassis Type:
8E - Audi A4 B6/B7

Use CAN only
 Display freeze frame

Start Stop

Gateway Installation List

Auto Refresh

Clear all DTCs

Results

Copy Print
Save Clear

Close

Chassis Type: 8E - Audi A4 B6/B7
Scan: 01 02 03 08 09 0F 11 15 16 17 18 36 37 45 46 55 56 57 65 67
69 75 76 77

VIN: WAUZZZ4F36N111022

Address 01: Engine Labels: 06F-907-115-AXX.lbl
Part No SW: 4F2 910 115 B HW: 4F2 907 115
Component: 2.0l R4/4V TFSI 0010
Revision: --H11-- Serial number:
Coding: 0105000318070118
Shop #: WSC 02325 785 00200

20 Faults Found:
005634 - Power Supply Terminal 30: Voltage too Low
P1602 - 002 - Lower Limit Exceeded

Freeze Frame:
Fault Status: 01100010
Fault Priority: 0
Fault Frequency: 2
Mileage: 0 km
Time Indication: 0

Freeze Frame:
RPM: 0 /min



Diagnostic Software for European Automobiles

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Search:

Main Page

There are [security restrictions](#) on this page

Welcome to the Ross-Tech WIKI.

*At the present time, this Wiki is experimental, and editable only by a small group. All content can be browsed **WITHOUT** an account. An account is only needed for those who wish to contribute on a regular basis! If you have a single contribution, please submit plain text to Support@Ross-Tech.com. If you submit contributions regularly using this method, we will likely contact you and offer to set up an account for you.*

*Any links that are in RED are to pages that do not yet exist.
There is thus no point in emailing Ross-Tech if you are trying to view that content.*

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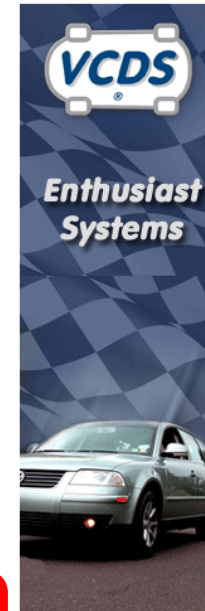
Diagnostic Procedures	General	Documentation
Audi	Fault Codes	VCDS Manual
Seat	Common Procedures	Control Module Maps
Skoda	Retrofitting	Common Acronyms
Volkswagen	Immobilizer	Official Factory Repair Information
Others	Component Protection	WIKI User's Guide
		Videos

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Diagnostic Software for European Automobiles

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Search:

Audi A4/S4/RS4/Cabriolet (8E/8H)

Note: Some sections are marked with 8E2/8E5/8H7 (pre-facelift/B6) and 8EC/8ED/8HE (facelift/B7), please decide yourself which one you have.

[01] - Engine

Gasoline Engines

- ▶ 2.0l TFSI (AXX/BGB/BPJ/BPY/BWA):
 - ▶ Coding
 - ▶ Adaptation
 - ▶ Basic Setting
 - ▶ Label File (06F-907-115-AXX.LBL)

Diesel Engines

- ▶ 2.5l V6 TDI (AFB/AKE/AKN/AYM/BAU/BCZ/BDG/BDH/BFC):
 - ▶ Coding
 - ▶ Adaptation
 - ▶ Login
 - ▶ Basic Setting

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Home

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partslink24
The original parts portal

Help/FAQ | Contact

Brand selection

- Audi
- Porsche
- Volkswagen
- Volkswagen Commercial Vehicles

partslink24 – One-stop shopping in the genuine parts service

Quick and reliable access to the right parts – after all, it is only possible to start service work on the vehicle once all the necessary parts are available.

Partslink24



Local Dealer

Google 3vwdp7aj4dm379159

Web Images Maps Shopping More Search tools

About 51 results (0.20 seconds)

3VWDP7AJ4DM379159 - RideSafely.com
www.ridesafely.com/inventory.aspx?...secid=15...
Bid live at online auction for used and salvage cars and motorcycles from insurance auto auctions to auto parts dismantlers, rebuilders, used car dealers, ...

Salvage VOLKSWAGEN JETTA 2013 for sale - Salvage cars for sale
www.salvage-cars-for-sale.info > ... Volkswagen Jetta salvage >
Color: BLACK. Vin number: 3VWDP7AJ4DM379159. View salvage VOLKSWAGEN JETTA 2013. Salvage VOLKSWAGEN JETTA 2013 classifieds.

Lot # 17590503 - 2013 VOLKSWAGEN JETTA SE - Sanders Auto
www.sandersauto.com/auction/17590503/VOLKSWAGEN?sessionid...
9,260 (ACTUAL). Primary Damage: FRONT END. Secondary Damage: help VIN: 3VWDP7AJ4DM379159. help Body Style: SEDAN 4D. help Color: BLACK. help ...

Lot #17590503 2013 VOLKSWAGEN JETTA SE - CarPaka
www.carpaka.com/.../17590503-2013-VOLKSWAGEN-JETTA%20SE-...
May 27, 2013 - ... Engine: Front-wheel Drive. Cylinders:5. Drive:Automatic. Fuel:Petrol (Gasoline). Keys:YES. VIN : 3VWDP7AJ4DM379159 Check car history.

Google



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Are you chasing your tail?

- Are you sure you understand the actual issue? Is it possible you are dealing with a C.O.C. concern?



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Check list of stuff

- What kind of car
- Engine/trans (if relevant)
- Type of issue
- AUTO-SCAN or equivalent
- Use your resources online for finding info