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Audi A6 (4B) Brake Electronics (Bosch 5.7)

From Ross-Tech Wiki

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Login

Note #1: After Login has been carried out you need to recode the control module.
Note #2: Special Login 07499 is used for 6-Cylinder Diesel Engine with 1LG Brakes and Multitronic.
Note #3: The Production Codes (PR-Code) such as 1LX can be found on a Sticker near the Spare Tire Well and/or the 1st Page of the Service Manual. Click here to see an Example of a Sticker.

- **0?xxx**: *Chassis*
  - 6 = Audi A6 Light Armored
  - 7 = Audi A6
- **0x?xx**: *Brakes*
  - 1 = 2FNR 42 AL 18" (PR-1LJ/1LP)
  - 2 = 2FNR 42 AL 17" (PR-1LL)
  - 3 = FN3 16" (PR-1LF/1LT)
  - 4 = HP2 16" (PR-1LX)
  - 4 = FNR 16" (PR-1LA/1LG)
  - 5 = FN3 15" (PR-1LB/1LE)
  - 6 = C54 (PR-1LZ)
- **0xx?x**: *Engine*
  - 5 = 4/6 Cyl. Diesel
  - 7 = 4/5 Cyl. Gasoline

- - 9 = 6/8 Cyl. Gasoline
- **0xxx?**: *Transmission*
  - 5 = Manual Transmission
  - 7 = Automatic Transmission (01L/01N/01V)
  - 9 = Continuously Variable Transmission (CVT) / Multitronic (01J)

Coding

Note #1: Coding is accepted after a specific login has been carried out.
Note #2: After successful coding the steering angle sensor basic setting needs to be carried out.
Note #3: Special Coding 06399 is used for 6-Cylinder Diesel Engine with 1LG Brakes and Multitronic.
Note #4: The Production Codes (PR-Code) such as **1LX** can be found on a Sticker near the Spare Tire
Well and/or the 1st Page of the Service Manual. Click here to see an Example of a Sticker.
Note #5: In some cases, you will need to enter a non-zero WorkShop Code, such as 12345.

- **0?xxx**: *Chassis*
  - 6 = Audi A6
  - 7 = Audi A6 Light Armored
- **0x?xx**: *Brakes*
  - 1 = C54 (PR-1LZ)
  - 2 = FN3 15" (PR-1LB/1LE)
  - 3 = HP2 16" (PR-1LX)
  - 3 = FNR 16" (PR-1LA/1LG)
  - 4 = FN3 16" (PR-1LF/1LT)
  - 5 = 2FNR 42 AL 17" (PR-1LL)
  - 6 = 2FNR 42 AL 18" (PR-1LJ/1LP)
- **0xx?x**: *Engine*
  - 5 = 4/6 Cyl. Diesel
  - 7 = 4/5 Cyl. Gasoline
  - 9 = 6/8 Cyl. Gasoline
- **0xxx?**: *Transmission*
  - 5 = Manual Transmission
  - 7 = Automatic Transmission (01L/01N/01V)
  - 9 = Continuously Variable Transmission (CVT) / Multitronic (01J)

Basic Setting

Steering Angle Sensor (G85) Calibration

Before starting the procedure turn the steering wheel at least 30 ° left and back straight ahead.

[Meas. Blocks - 08]
Group 005 Field 1 (Steering Angle Sensor -G85-)
Specification: 0.0 °
Tolerance (when straight): ±5.0 °
[Done, Go Back]

[Login - 11]
Enter 40168
[Do It!]

[Basic Settings - 04]
Group 001
[Go!]
[Done, Go Back]

[Fault Codes - 02]
All fault codes should have disappeared.
[Done, Go Back]

Special Notes

- Some of the Bosch 5.7 modules will not show live Steering Angle Sensor (G85) readings after the Login and Coding are performed. If this is the case -2.5 ° may be stuck in Measuring Block 005 and will not change when the wheel is turned. Make the wheels as straight as possible and continue with the Steering Angle Sensor (G85) Calibration.

- After doing the G85 Calibration, you may get a 01486 - System Function Test Active, this is normal. Please see 01486.

Video Link

Bosch 5.3 and 5.7 ABS with ESP, Coding

http://www.youtube.com/watch?v=G7YRiVYrLjo