



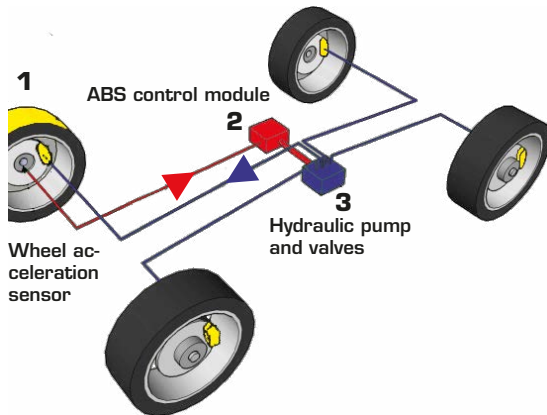
## Technical info

# ABS-sensors

Determines the speed of the wheel to be used by the ABS - TCS/ ASR - ESC/ESP system. In some cases this information is also used by the vehicle's gearbox and power steering system.

- ABS: Antilock Breaking System.
- ASR/TCS: Traction Control System.
- ESC/ESP: Electronic Stability Control.

## System design



## Function

Between the brake system's master cylinder and brake calipers, an ABS block (3) and an ABS control unit (2) are placed. Onto the car's drive shafts, wheel hubs, brake discs or drums a toothed rim is mounted, and on the wheel hub a sensor (1) detects if the wheel rotates. The sensors are connected to the ABS control unit, which controls the pump and the valves in the ABS block. If you step so hard on the brake that one or more wheels are blocked, the pressure on the blocked wheel brake calipers is depressurized to the point where the wheels start rotating again.

## Types

There are three different types of ABS-sensors, which can be categorized in two

- Active
- Passive

## Quality

Quality management according to TS 16 949.  
100% functional test of every sensor.

## Mounting

REMEMBER to reset the ECU.

NOTE: on some car models the ABS-warning light does not turn off until the car has been test driven.

## Error codes

CO060 - Left ABS-sensor, front axle  
 CO065 - Left ABS-sensor, front axle  
 CO070 - Right ABS-sensor, front axle  
 CO075 - Right ABS-sensor, front axle  
 CO080 - Left ABS-sensor, rear axle  
 CO085 - Left ABS-sensor, rear axle  
 CO090 - Right ABS-sensor, rear axle  
 CO095 - Right ABS-sensor, rear axle

## OE on

VAG

## Numbering system

8180 YY ZZZZZ: 8180=product group, YY=car make, ZZZZZ=consecutive numbering

