

## 1996 A6 TEMPERATURE SENSOR REPLACEMENT

When the temperature sensor is malfunctioning, the gauge doesn't display correct coolant temperature and the check engine light comes on all the time even after all the vag-com resets. The only thing to do to get rid of the check engine light and the bad temperature gauge is to replace the temperature sensor.

I bought mine from

<https://www.autohausaz.com/search/productx.aspx?sid=amnq1azxe1eyvm45tq4xywa4&makeid=800002@Audi&modelid=1008841@A6%20QUATTRO%20&year=1996&cid=temperature%20sensor@temperature%20sensor&gid=4309@Water%20Temperature%20Sensor>

They don't list the part, so you have to search for "temperature sensor". The price is cheapest for \$26.99.

Where is this temperature sensor?



It's under the brake master cylinder and behind the camshaft. Just follow the black coolant metal pipe to the rear of the driver side camshaft.

Remove the metal clip that secures the electrical connector to the sensor; be careful not to drop it in the engine. Do it slowly and have your hand on it at all time.

Remove the electrical connector and you will see the white plastic case of the temperature sensor which only has 2 pins.

The part number of this sensor is BOSCH 0280130040



Use 19mm Wrench open & close ends to remove the sensor. I use the full size and a stubby (short) one to remove it. There will be some coolant will over flow but very minimal, so get the new one ready to install as soon as the old one is removed so you don't get too much coolant leaking out.



**MAKE SURE THE COOLING SYSTEM IS SEALED TIGHT, EXPANSION TANK CAP IS TIGHTENED.**

**REMEMBER THE POSITION OF THE SENSOR, BECAUSE WHEN YOU TIGHTEN THE NEW ONE, IT SHOULD BE ORIENTED AT THE SAME ORIENTATION. YOU DON'T WANT TO OVER TIGHTEN THE TEMP SENSOR OR UNDER TIGHTEN IT EITHER.**

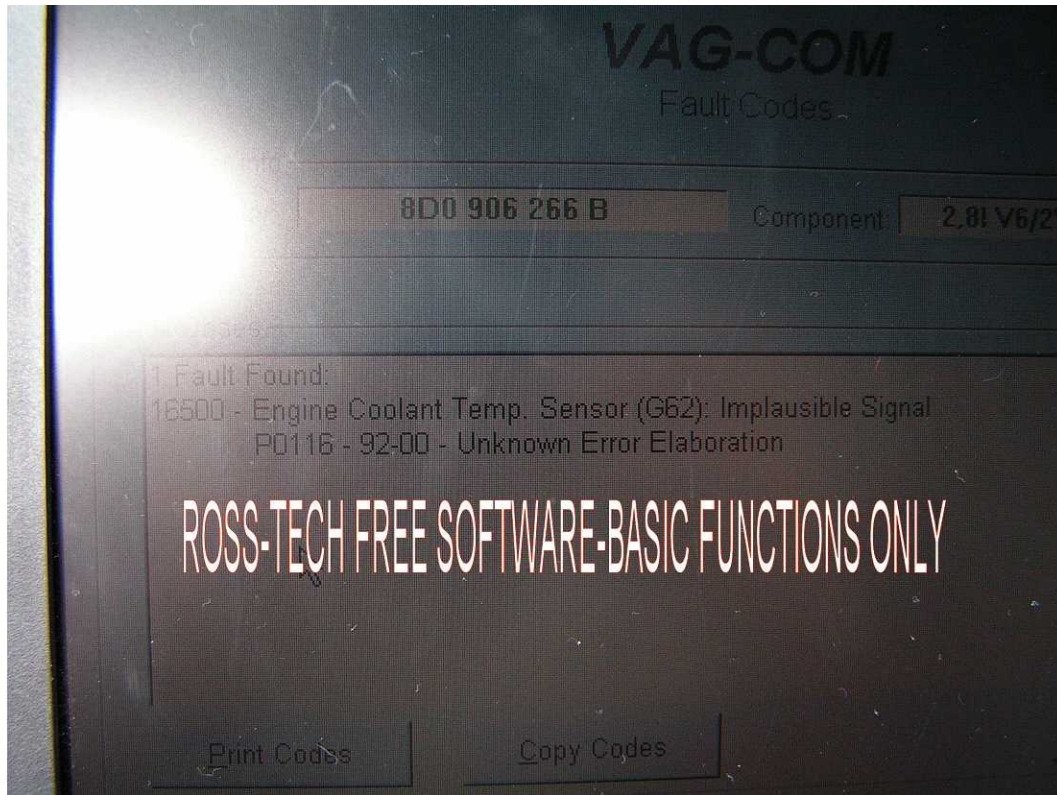


**VAG\_COM to clear the fault code and check the coolant temperature GROUP 001, but with the free version, you can only see the display a few times and then the ERROR data will come on. I only need to see if the temperature sensor is working and the temperature gauge display correct normal operating temperature.**



**I bought the OBDII & SERIAL CABLE FROM EBAY for \$42 and it does work.**





**Clear the code and watch the TEMPERATURE SENSOR area to see if the coolant is leaking out. The engine does smoke a little due to coolant dropped down to the exhaust system, but there is no leaking coolant.**

**Drive the car for a few minutes and VOILA, the temperature GAUGE is displaying the correct normal operating TEMP again.**



**THIS IS MY WAY OF FIXING MINE. USE THIS AT YOUR OWN RISK!!!!**