

Your Vehicle: 2006 Mercedes Benz CLS 55 AMG (219.376) V8-5.5L SC (113.990)



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### Delay Time Too Long

G3/4 (Right O2 Sensor, Before TWC [KAT]) Aging, Correction Variable Exceeded :: Delay Time Too Long

Check Component G3/4 (Right O2 Sensor, Before TWC [KAT]).

Test 1 Check Component G3/4 (Right O2 Sensor, Before TWC [KAT]) Using Actual Value.

Test 2 Test Current Consumption of Heating of Component G3/4 (Right O2 Sensor, Before TWC [KAT]).

#### 1 Check Component G3/4 (Right O2 Sensor, Before TWC [KAT]) Using Actual Value.

Test requirement

- Engine at idle speed
- 80 °C If coolant temperature > , run engine at idle speed for about 2minutes.

Status of the relevant actual values:

- G3/4 (Right O2 sensor, before TWC [KAT]), Signal: **Note!** Communication with ECU required

Specified value:

- O2 sensor signal varies within the range from [-200 to +1000] m V by more than 300 m V after 2 min at idle speed.
- O2 sensor heater, before TWC:ON

Question

- Are the actual values o.k.? Yes

The actual values are okay. \*\* End of Test \*\*

No

The actual values are not okay.

Possible cause and remedy

- Test of current consumption of O2 sensor heater of component G3/4 (Right O2 sensor, before TWC [KAT])
- Signal cable of component G3/4 (Right O2 sensor, before TWC [KAT])
- G3/4 (Right O2 sensor, before TWC [KAT])

\*\* End of Test \*\*

#### 2 Test Current Consumption of Heating of Component G3/4 (Right O2 Sensor, Before TWC [KAT]).

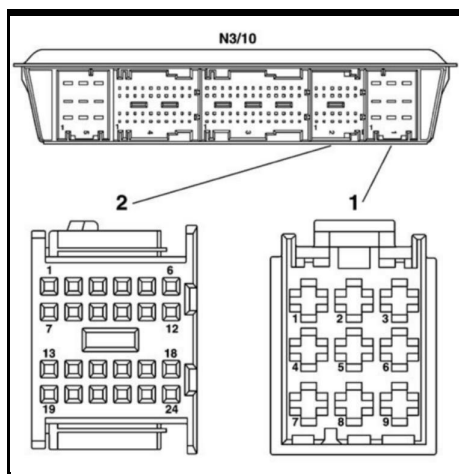
**Warning!**

**Risk of injury from rotating parts!**

- Severe injuries from limbs being jammed or squashed may result from rotating parts and in extreme cases the limbs may be sheared off.

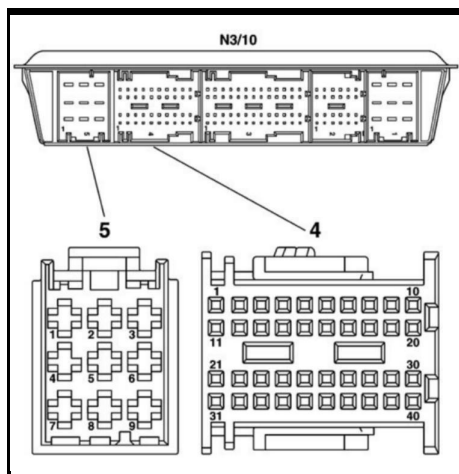
### Rules of conduct and protective measures

- Do not insert your hand into rotating parts.
- Wear closed and close-fitting work clothes.



Zoom

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### Test requirement

- The actual value is not o.k.

### Test sequence

- Switch off ignition.
- Detach sockets 5 and 2 at component N3/10 (ME-SFI control module).
- (N3/10) 5.7 <--> 2.15 (N3/10)
- Switch on ignition.

**Warning!** Perform the measurement only for a short time so that component G3/4 (Right O2 sensor, before TWC [KAT]) does not overheat.

### Specified value

- Amperage[0.5...2.0] A

### Question

- Is the measured value okay? Yes

The measured value is o.k.

Further possible causes of fault

- Signal cable of component G3/4 (Right O2 sensor, before TWC [KAT])
- G3/4 (Right O2 sensor, before TWC [KAT])

No

The measured value is not o.k.

Possible cause and remedy

- N10/1f43 (Fuse 43)
- N10/1kl (Circuit 87 relay, engine)
- Cable of O2 sensor heater of component G3/4 (Right O2 sensor, before TWC [KAT])
- G3/4 (Right O2 sensor, before TWC [KAT])

\*\* End of Test \*\*

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