

|                     |                   |                                       |         |
|---------------------|-------------------|---------------------------------------|---------|
| <b>VIN</b>          | WDD1714561A001234 | <b>Model series/model designation</b> | 164.186 |
| <b>Order number</b> |                   | <b>License plate</b>                  |         |

Diagnosis of tumble flap 'Intake manifold' : Short or open circuit in sensor lines / Mechanical fault of one actuating lever / Sensor faulty, replace sensor.

### Figure legend/figure

#### Picture 1 :

- 22/9 ( Aneroid capsule for tumble flap switchover )

#### Picture 2 :

- 019 Vacuum tester

- 22/9 ( Aneroid capsule for tumble flap switchover )

#### Test prerequisite :

- Voltage supply is o.k.

#### Test sequence :

- Connect vacuum tester to component 22/9.

- Switch on ignition.

- Use the vacuum tester to set a vacuum of approx. 400 mbar.

#### Status of the relevant actual values:

B28/10 (Right intake manifold tumble flap position sensor) : Hall sensor: 12.35 V

B28/9 (Left intake manifold tumble flap position sensor) : Hall sensor: 12.35 V

#### Specified values :

- The linkage for the tumble flap visibly moves. ( See arrow )

#### Specified values of Hall sensors :

- Voltage : NOT OPERATED [4.8...5.3] V

- Voltage : OPERATED [0.0...0.5] V

**Question :**

Are the actual values o.k.?

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**Filename:** C:\Program Files\Mercedes-Benz\DAS\bin\..\trees\pkw\motorott\me97\ps\b28\_x.s

**Cell co-ordinate:** 7 , 8