



P41.10-2071-01

Fig. 19: Screen Display - Angle 1 Measurement
Courtesy of MERCEDES-BENZ USA

i The vehicle must be on its wheels for the measurement.

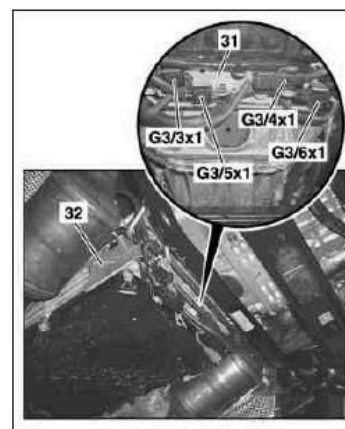
The measurement of all angles (four angles on vehicles with 2-piece propeller shaft and five for vehicles with 3-piece propeller shaft) should be conducted without any interruption.

An angle that has already been measured can be measured a second time if required. To do this, with the Measurement menu displayed, press the STEP button repeatedly until the display indicates Ready to measure the relevant angle.

3. Unclip electrical lines and electrical connectors (G3/3x1, G3/4x1, G3/5x1, G3/6x1) of O2 sensors from bracket (31).
4. Detach bracket (31) and heat shield (32) from transmission.

31 Bracket
32 Heat shield

G3/3x1 Left O2 sensor upstream of TWC [KAT] connector
G3/4x1 Right O2 sensor upstream of TWC [KAT] connector
G3/5x1 Left O2 sensor downstream of TWC [KAT] connector
G3/6x1 Right O2 sensor downstream of TWC [KAT] connector

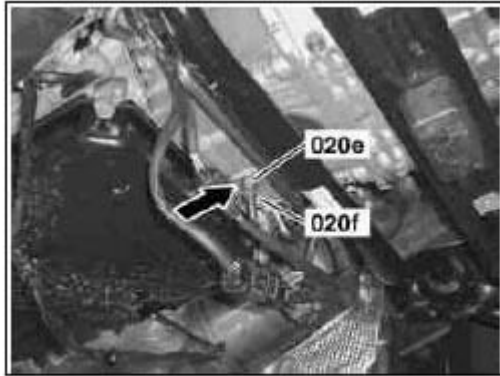


P41.10-2293-02

Fig. 20: Locating O2 Sensors, Bracket & Heat Shield
Courtesy of MERCEDES-BENZ USA

5. Clean transmission bore and surroundings (arrow).

6. Select suitable adapter for transmission bore.
7. Remove measuring sleeve socket (020e) from adapter, insert in transmission bore and fix. Do so by turning lower threaded stud (020f) to left and tightening.



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Fig. 21: Locating Sleeve Socket And Threaded Stud
Courtesy of MERCEDES-BENZ USA

8. Screw measuring sleeve adapter (020g) on to measuring sleeve socket (020e) and tighten all the way to transmission by hand.
- i Ensure that the measuring sleeve adapter (020g) contacts the surface of the transmission exactly.



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Fig. 22: Identifying Sleeve Adapter
Courtesy of MERCEDES-BENZ USA

9. Mount sensor mount (020c) with the two knurled bolts centrally on the sensor (020a).

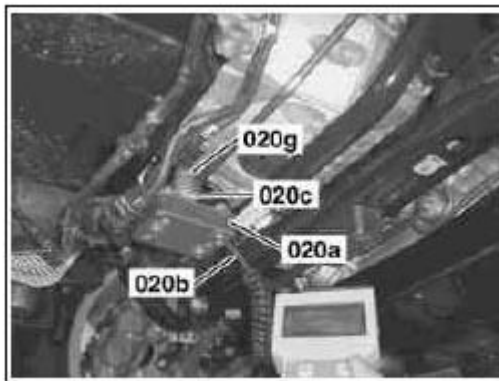


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Fig. 23: Mounting Sensor Mount On Sensor
Courtesy of MERCEDES-BENZ USA

10 Fit sensor mount (020c) with sensor (020a) to measuring sleeve adapter (020g) by turning slightly to left/right (magnetic).

i For each measurement the helical line (020b) of the sensor (020a) must point in the direction of travel, otherwise an incorrect measurement will ensue.



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Fig. 24: Fitting Sensor Mount To Measuring Sleeve Adapter
Courtesy of MERCEDES-BENZ USA

i The equipment is ready for measurement, the measured values are shown in the display.

10. Press SAVE button. The values are saved.

Measured values screen for angle 1: display e.g. 1.92°