

Diagnosis - Function Test

Connection of Multimeter and Signal Generator for Input Test (Electronic Accelerator/ASR Recognition Test)

Engines 104, 119

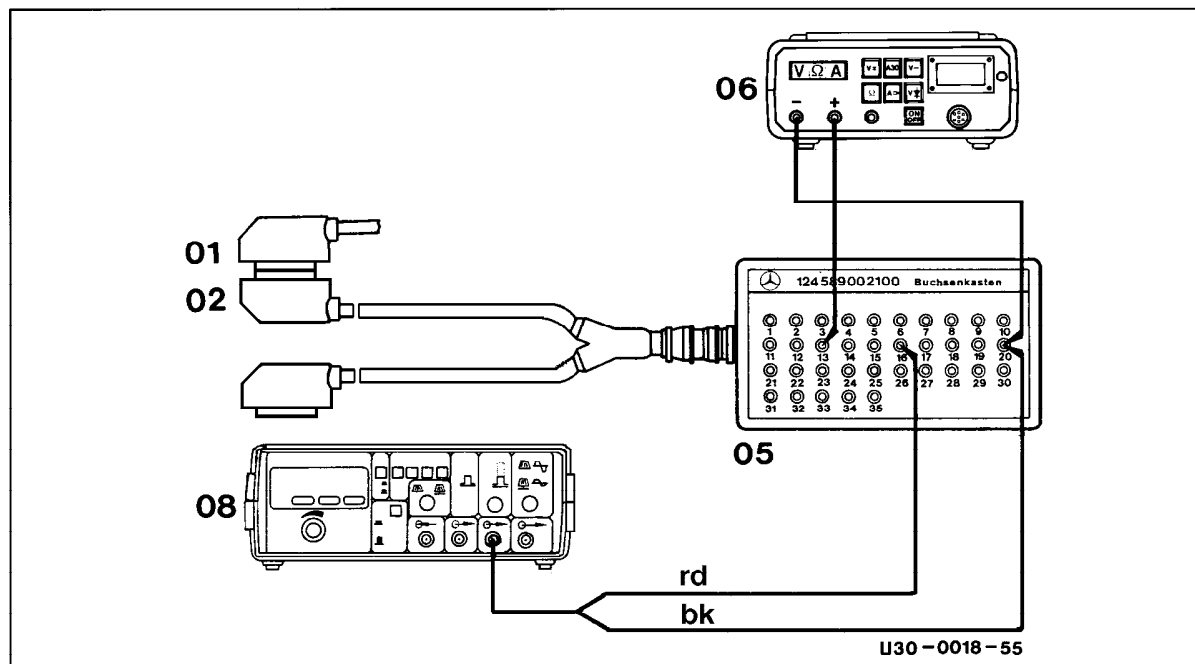


Figure 1

- | | | |
|----|---|------------------|
| 01 | Vehicle wiring harness (ABS/ASR control module) | |
| 02 | Test cable | 129 589 00 63 00 |
| 05 | Socket box | 124 589 00 21 00 |
| 06 | Multimeter | |
| 08 | Signal generator | |

U30-0018-55

Electrical wiring diagrams, see Electrical Troubleshooting Manual.

Engines 104, 119 CFI

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Test step	Scope of test	Test connection	Test condition	Nominal value	Possible cause/remedy
⇒ 1.0	Throttle valve signal from/to electronic accelerator/cruise control module (N4/1)	 	Ignition: OFF Unplug ABS/ASR control module (N30/1), Connect socket box and signal generator.  Connect red wire to socket 16, set frequency to 200 Hz and voltage to 10 V (square wave). Ignition: ON Move accelerator pedal to full load position.	4 - 7 V and electronic accelerator actuator (M16/1) must only move approx. 50% from idle position	Open/short circuit between control modules (N30/1 and N4/1). If nominal value is attained: perform ABS/ASR Test Program (see Diagnostic Manual, Chassis and Drivetrain), If nominal value is not attained: perform Test 23¹⁾.

1) Observe Preparation for Test, see 22.