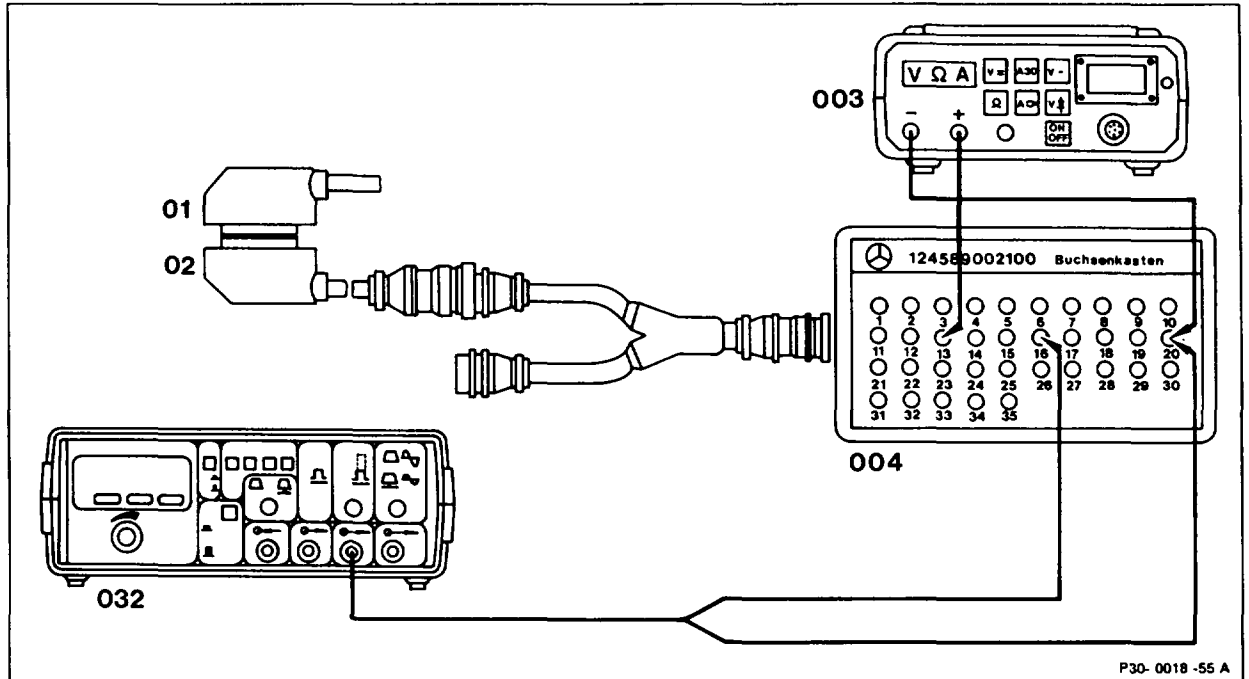


30-0360 ABS/ASR and electronic accelerator pedal initial test

Operation no. of operation texts and work units or standard texts and flat rates:

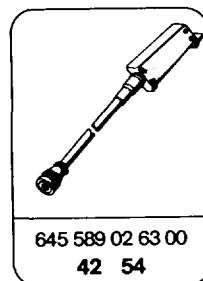
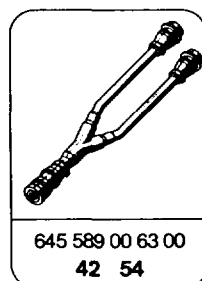
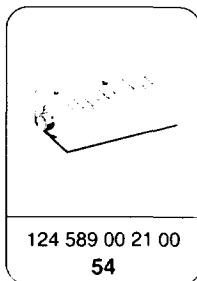


P30-0018-55 A

Connection diagram function generator and multimeter to contact box

01	Vehicle cable harness (ABS/ASR control unit)	003	Multimeter
02	Test cable 645 589 02 63 00	004	35-pin contact box
		032	Function generator

Special tools



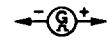
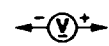
Commercially available tools and testers (see Workshop Equipment Manual)



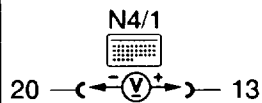


Designation	e.g. Make, order no.
Multimeter	Sun, DMM-5
Function generator	Sun, DTR 8416

Symbols for testers

 35-pin contact box
 Contact

Symbols for test mode with multimeter

 Function generator, square-wave signal
 Multimeter, DC voltage test mode

Test step	Test scope	Test connection	Operation/Requirement	Specification	Possible cause/Remedy
1.0	Throttle valve signal from/to electronic accelerator pedal control unit	<p>N4/1</p>  <p>20 —  — 16</p> <p>N4/1</p>  <p>20 —  — 13</p>	<p>Disconnect ABS/ASR control unit, connect frequency generator.</p> <p> red cable to contact 16. Set $f = 200 \text{ Hz}$ $U = 10 \text{ V}$.</p> <p>Ignition: ON Full throttle</p>	<p>4–7 V and actuator must move only approx. 50% from idle speed.</p>	<p>Test wiring between ABS/ASR control unit (N30/1) and electronic accelerator pedal (N4/1) for open circuit/short circuit.</p> <p>If specification is achieved: Perform ABS/ASR test program. If specification is not achieved: Perform electronic accelerator pedal test program (30–1050).</p>