

P30-0018-55A

Connection diagram of function generator and multimeter at contact box

- 01 Vehicle cable harness (ABS/ASR control unit)
- 02 Test cable 645 589 02 63 00
- 003 Multimeter
- 004 Contact box 124 589 00 21 00
- 032 Function generator

## Explanation of symbols

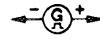


Multimeter



Contact box



Function generator



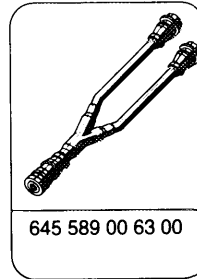
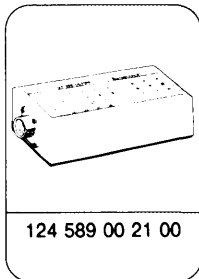
Function generator, square-wave signal



Multimeter, D.C. voltage mode

Test step/ Test scope	Tester/ Test connection	Operation/ Requirement	Specification	Possible cause/Remedy
<b>1</b> Connect testers	-	Ignition: <b>OFF</b> Detach ABS/ASR control unit connector	-	-
<b>2</b> Throttle valve signal from/to electronic accelerator control unit	20  16	Frequency generator: <b>Connect</b> <b>f = 200 Hz</b> <b>U = 10 V</b>	Actuator must only move approx. 50% from idle	Test cables between control unit (N30/1 and N4/1) for open/short circuit.  If specification not reached, perform ABS/ASR test routine (42-720).
	20  13	Ignition: <b>On</b> Full throttle Full throttle position	4-7 V	If specification not reached, test electronic accelerator (30-365).

## Special tools



## Commercial tools

Multimeter

e.g. Sun, DMM-5

Function generator

e.g. Sun