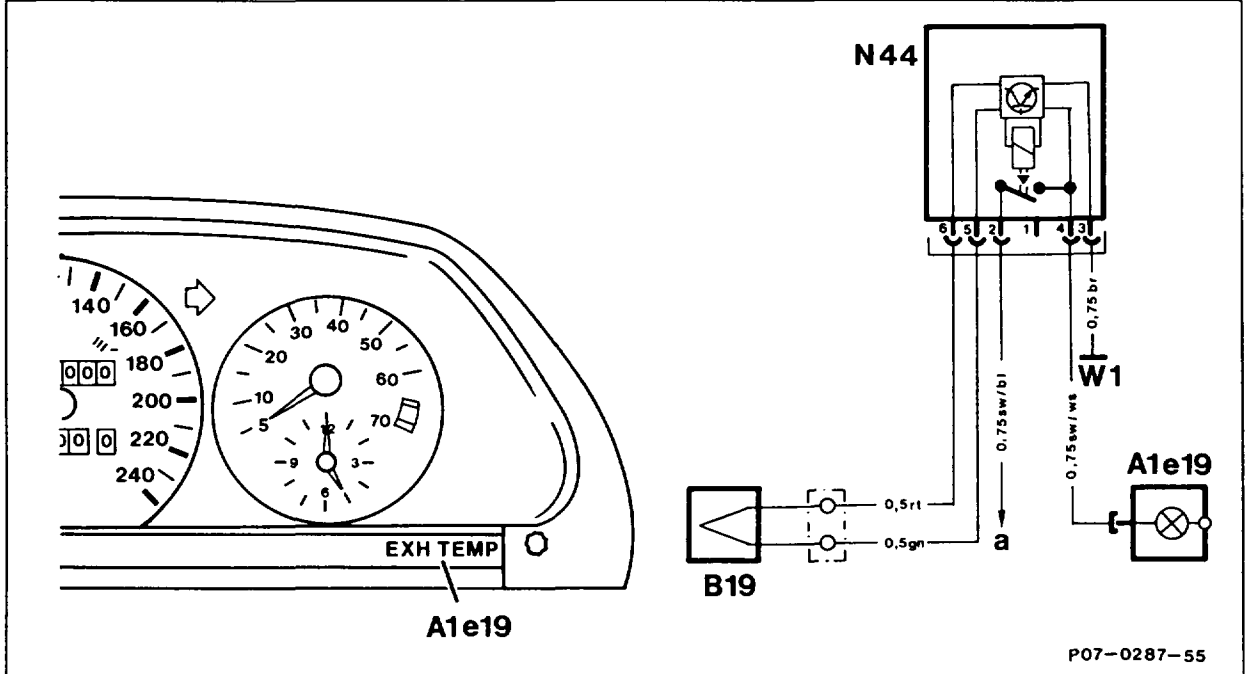
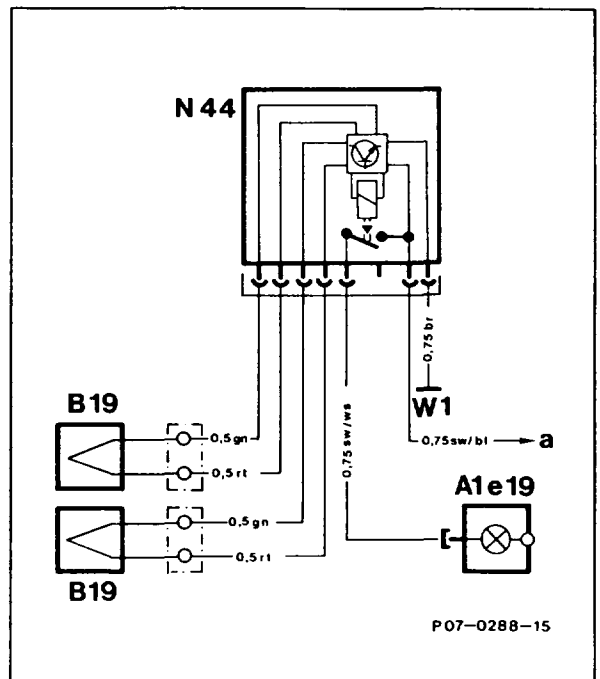


14-0115 Testing catalytic converter warning system (J)



- A1e19 Catalytic converter overheating warning lamp
- B19 KAT temperature sensor
- N44 KAT warning control unit
- W1 Main ground
- Model 126: behind instrument cluster
- Model 107: right footwell, right cross member
- a To fuse, terminal 15



Commercially available tools and testers

Designation	e.g. Make, order no.
Multimeter	Sun, DMM-5

Symbols for testers

—c	Contact
—■	Connector
⊥	Ground

Symbols for test mode with multimeter

←-V+→	Multimeter DC voltage mode
←-Ω+→	Multimeter Resistance mode

Preconditions for test

- Battery voltage 11–14 V

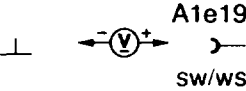
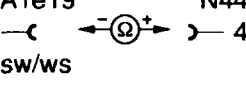
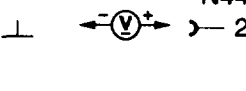
See corresponding wiring diagram volume for appropriate wiring diagrams.



Note

If the specification of a main test step, e.g. test step 1.0, is in order, proceed with the next main test step, e.g. test step 2.0.

If the specification in the main test step, e.g. test step 1.0, is not achieved, continue test with sub-test step, e.g. test step 1.1.

Test step	Test scope	Test connection	Operation/ Requirement	Specifi- cation	Possible cause/Remedy
1.0	Warning lamp (A1e19)	Visual check	Ignition: ON	Warning lamp (A1e19) lights up for 5–10 s	Warning lamp (A1e19) does not light up: Remove warning lamp, test or replace. Warning lamp (A1e19) does not go out after 5–10 s: ⇒ 2.0

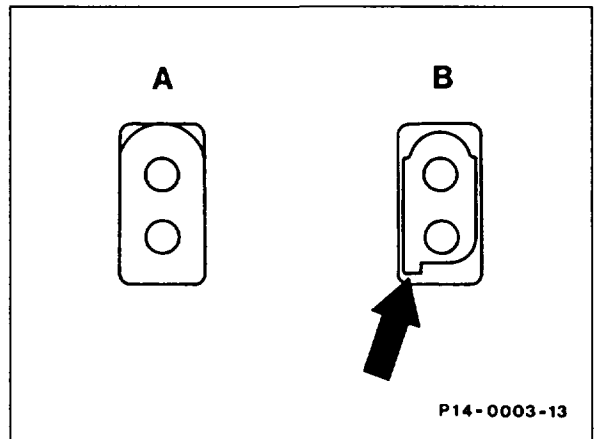
Test step	Test scope	Test connection	Operation/ Requirement	Specifi- cation	Possible cause/Remedy
1.1	Voltage at warning lamp (A1e19) test sw/ws cable		Ignition: ON Cable disconnected	11–14 V	Warning lamp (A1e19) has no ground, Open circuit in wiring Cable (A1e19) → (N44)
1.2	Cable		Ignition: OFF KAT warning control unit (N44) disconnected	< 1 Ω	Open circuit in wiring
1.3	Voltage supply of KAT warning control unit (N44)		Ignition: ON KAT warning control unit (N44) disconnected	11–14 V	Open circuit in wiring from and to fuse terminal 15, Fuse faulty, Open circuit in wiring cable (N44) contact 3 → W1
2.0	KAT temperature sensor (B19)		Ignition: ON	Warning lamp (A1e19) lights up for 5–10 s	Warning lamp (A1e19) does not go out after 5–10 s: Open circuit in wiring cable (B19) → (N44) contact 5, Open circuit in wiring cable (B19) → (N44) contact 6, KAT temperature sensor (B19) faulty.

Test step	Test scope	Test connection	Operation/Requirement	Specification	Possible cause/Remedy
2.1	Cable	B19  N44 5	Ignition: OFF Plug connection disconnected	< 1 Ω	Open circuit in wiring
2.2		B19  N44 6	Ignition: OFF Plug connection disconnected	< 1 Ω	Open circuit in wiring

Models 126.024

The shape of the coupling has been modified with production breakpoint 01/89 as of vehicle ident end no. A 460656.

- A Previous version
- B Present version with plug lock (arrow)



Note

To test the operation of the warning system, the wiring to the KAT temperature sensor (B19) can be disconnected. The warning lamp must light up.

Task, components, function description, see function of emissions control system (Repair Instructions KE Injection System Combustion II, 14-0030).