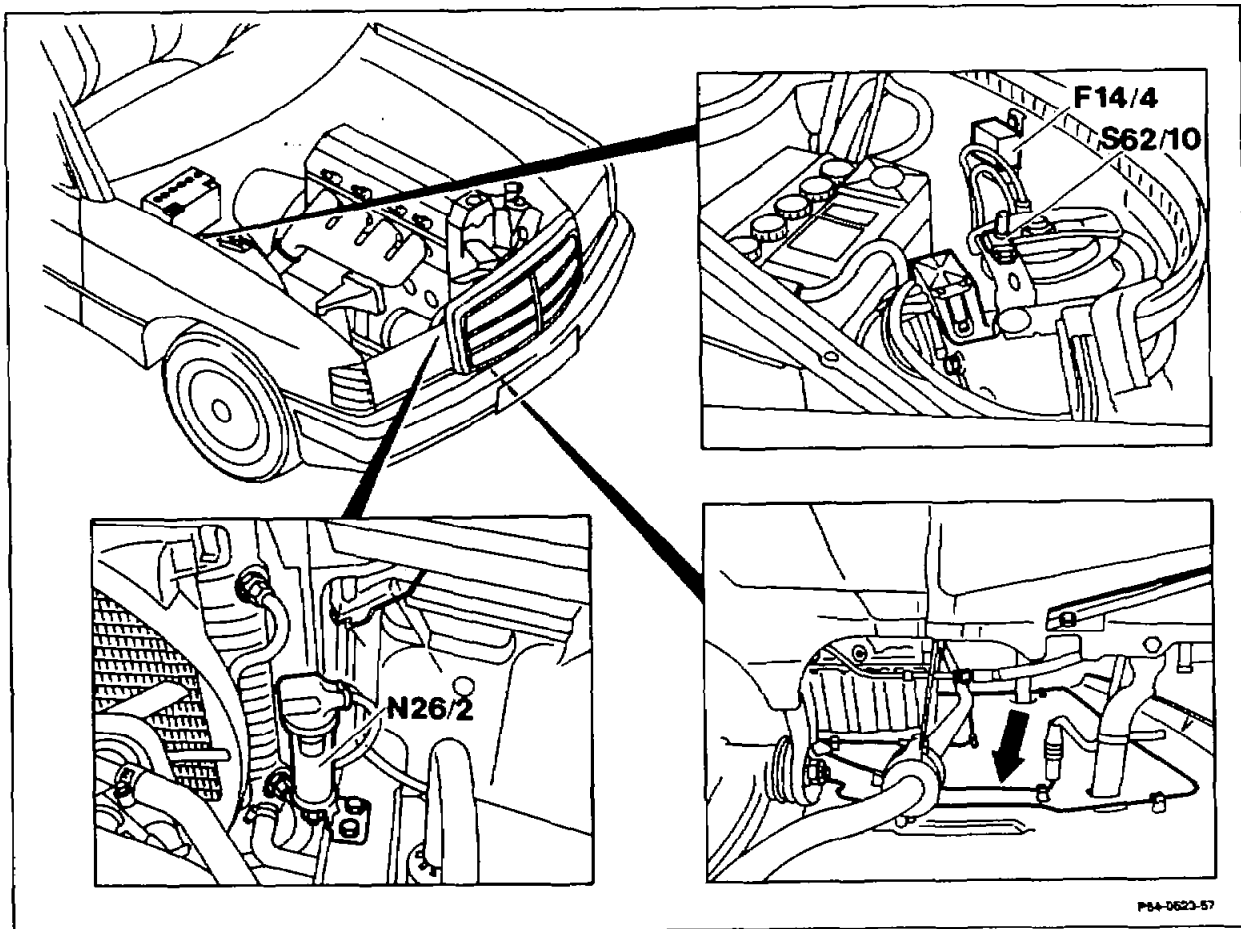


54-0080 Checking marten protection system (model 124.0 up to approx. 09/92)

Preceding work:
Hood raised to vertical position (01-0008).

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



F14/4 Auxiliary fuse holder, marten protection
N26/2 Control unit, marten protection

S62/10 Hood switch, marten protection



Persons with heart pacemakers must not work
on the marten protection system.

Note

The marten protection system only operates
when the engine is not running and the hood is
closed.

A. Function check

Cable with crocodile clamp from electrical connection set 201 589 00 99 00	connect to contact electrode (arrow).
End of cable	hold to ground, distance approx. 2 mm.
Hood switch (S62/10)	press. A spark must jump across every 5–8 seconds.

B. Marten protection system not functioning

Fuse in auxiliary fuse holder (F14/4)	check.
If fuse faulty	rectify short-circuit before performing renewed function check.
Connector of control unit (N26/2)	unplug.
Multimeter	connect, positive to contact 2, negative to contact 1, press hood switch (S62/10). Specification: battery voltage.
If specified value is not reached	test switch (S62/10) for continuity, replace if necessary. Test wiring for open circuit according to wiring diagram; rectify any open circuit.
Connector at control unit (N26/2)	plug in.
Engine compartment panel	remove (61–105).
Contact electrode	check; must not be touching engine compartment panel.
Ignition cable and connector	check.
Engine compartment panel	install (61–105).

Note

When installing engine compartment panel, ensure that the contact electrode does not touch any part of the bodywork and also not the engine/transmission grounding strap.

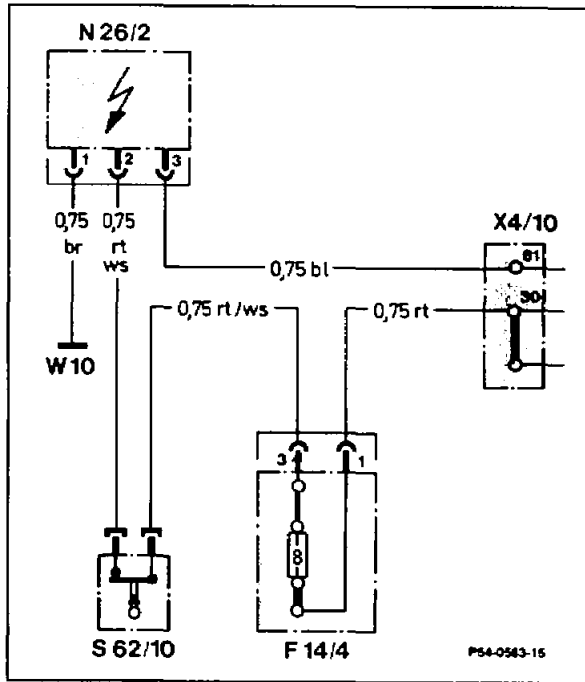
Fuse, wiring and switch	in order, replace control unit (N26/2).
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C. Function check with engine running

Engine	run. Perform function check as described under A.
No spark jumps across	marten protection system in order.

Spark jumps across
 Multimeter
 If specified value is reached
 If specified value is not reached
 Connector at control unit (N26/2)

unplug connector from control unit (N26).
 connect, positive to contact 3, negative to
 contact 1, run engine.
Specification: battery voltage.
 replace control unit (N26/2).
 test cable for open circuit according to wiring
 diagram; rectify any open circuit.
 plug in.

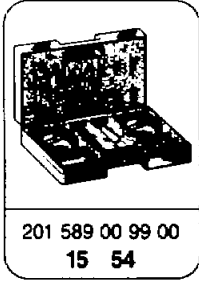


Connection schematic

F14/4 Auxiliary fuse box, marten protection
 N26/2 Marten protection control unit
 S62/10 Engine hood switch, marten protection

W10 Ground, battery
 X4/10 Terminal block, terminal 30/terminal 61,
 battery, 3-pin

Special tool



Commercially available tester

Multimeter

e. g. Sun DMM-5
or Avometer 2003
