

49-5910 Retrofitting open-loop catalytic converter

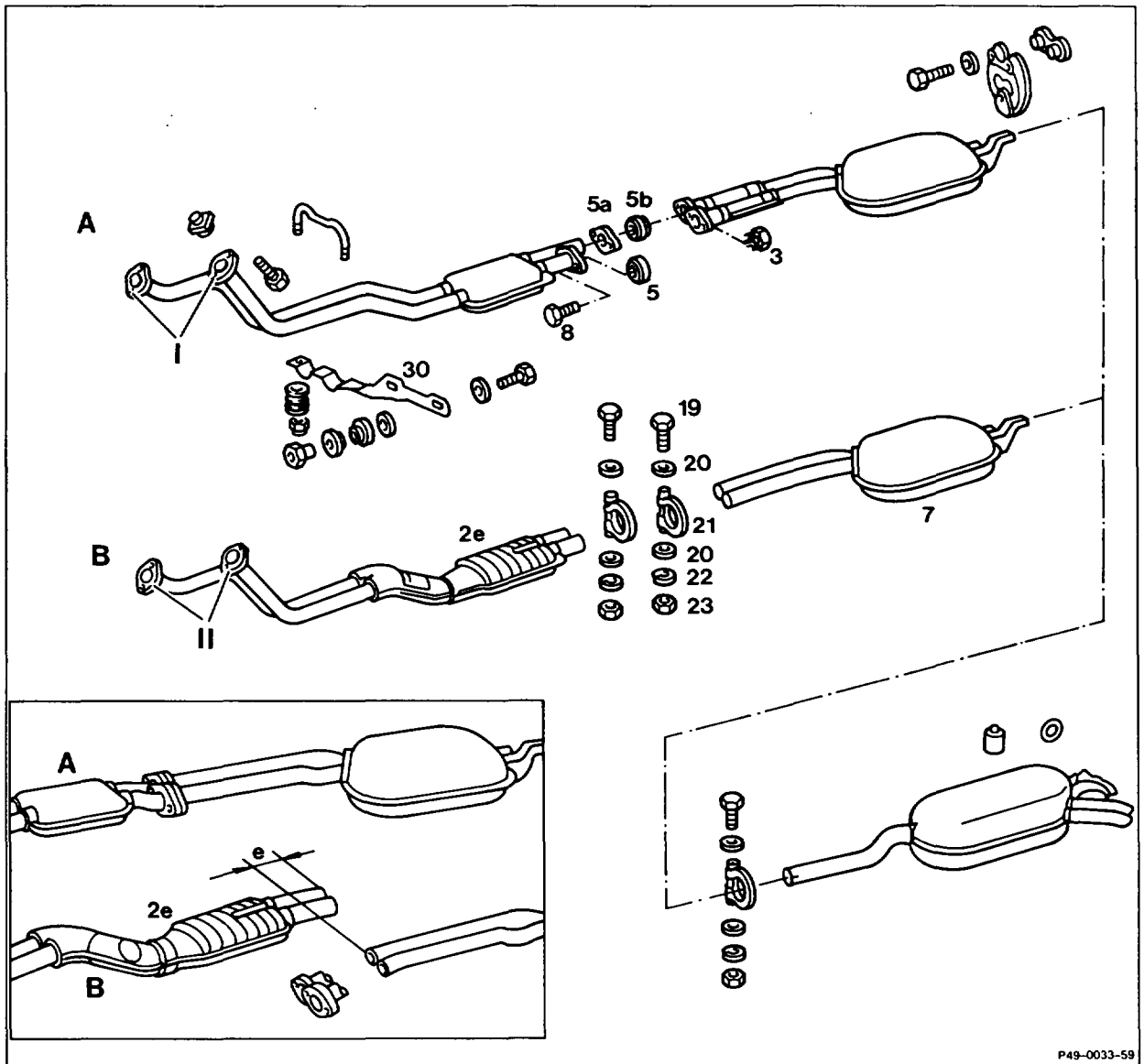
Operation no. of operation texts and work units or standard texts and flat rates:

A. General

An open-loop catalytic converter can be retrofitted to vehicles with the chassis or vehicle ident end nos. stated below.

Model	Sales designations	Engine	Chassis or vehicle ident end no. as of
124.030	300 E	103.980	000 001

B. Installing open-loop catalytic converter



P49-0033-59

- A Exhaust system without catalytic converter
- B Retrofitted exhaust system with open-loop catalytic converter
- e Pipe insertion depth

Note

Before installing the catalytic converter, check that the number affixed to the catalytic converter agrees with the part no. stated in the list.

Exhaust system remove (49-7000).
 Front exhaust pipe with open-loop catalytic
 converter (2e) place next to exhaust system.



The manifold flanges (I, II) must be at the same height.

Exhaust pipes of centre silencer (7) cut to length.



Pay attention to pipe insertion depth (e) of catalytic converter (e = 80 mm).

Exhaust system with open-loop catalytic
 converter install (49-7000).

Note

Sintered seal (5), flange (5a), graphite seal (5b) no longer fitted.

In place of the bolted joints, use nuts (3), bolts (8), pipe clips (21), bolts (19), washers (20), spring lock washers (22), nuts (23) from the installation kit.

Insert new carrier (30) from the installation kit.

Tightening torque of nuts (23) 25 Nm (reference value).

Fuel pump relay install 002 545 26 05.

This is necessary because the engine speed on KAT vehicles must be limited by fuel shutoff.

Engine adjust. Set ignition timing point, idling speed and CO value upstream of catalytic converter (07.3-2053).

To set CO, use measuring point (screw plug) upstream of catalytic converter.

Note

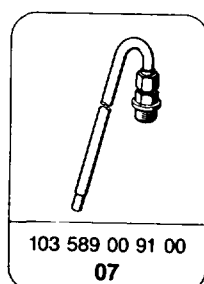
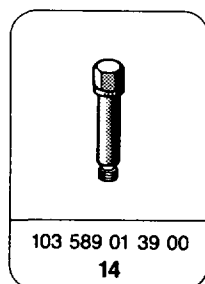
For values see table "test and adjustment data." The same conditions apply to conditioning as for vehicles without catalytic converter.

Engine data plate (open-loop KAT) stick on radiator beam on left or right and enter current engine setting data with ballpoint pen.

Guide funnel in filler neck install (47-4100, section A).

Information plate for unleaded fuel stick into fuel filler recess.

Special tools



Parts

Model	Designation	Part no.
124.030	KAT installation kit	124 490 12 15
124.030	Fuel pump relay	002 545 26 05

Available from: Plant 50 (PEW Sindelfingen)

Listing (model, catalytic converter model designation/part no. and homologation approval number)

Model	Part no.	Homologation approval no.
124.030	124 490 11 14 124 490 14 14 (optionally)	1)

1) The homologation no. (general operating permit) should be obtained by referring to the respective vehicle registration documents and entered in the manufacturer's confirmation.

Note

After installing the catalytic converter, the vehicle must only be operated with unleaded fuel.

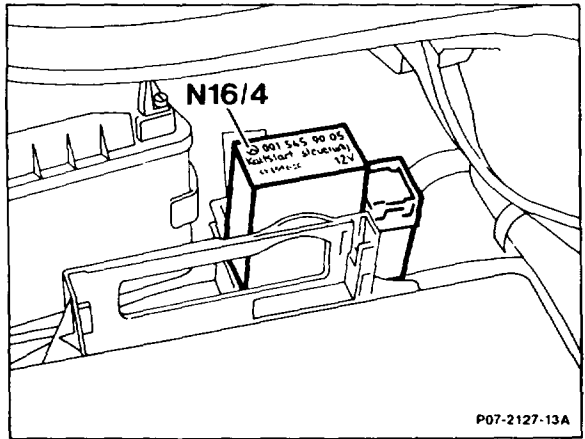
Even before installing the catalytic converter, we recommend driving the vehicle with at least two tank fillings of unleaded fuel so that the contents of the tank do not have to be replaced.

Pay attention to notes for use of unleaded fuels (15-0509).

If the catalytic converter is to optimally reduce all pollutants, the ignition timing point, idle speed and idle emissions level must be set as stated in the table. A slight additional fuel consumption is permissible as a result of the altered engine setting.

For vehicles which are registered in the Federal Republic of German, an ASU certificate should be issued and a new test disc affixed to the front license plate.

For obtaining a reduction in vehicle license duty in the Federal Republic of Germany, the workshops in which installation is performed must issue a manufacturer's certificate to the respective Motor Vehicle Authority/Motor Vehicle Registration Authority. The manufacturer's confirmation should be submitted to the Motor Vehicle Authorities together with the vehicle registration documents.



N16/4 Fuel pump relay

P07-2127-13A

KAT (ungeregelt)

↓ °F ↓ °C

176 80

140 60

↑ ↑

126 584 71 21

± 1° / _____

_____ ± 50

↓

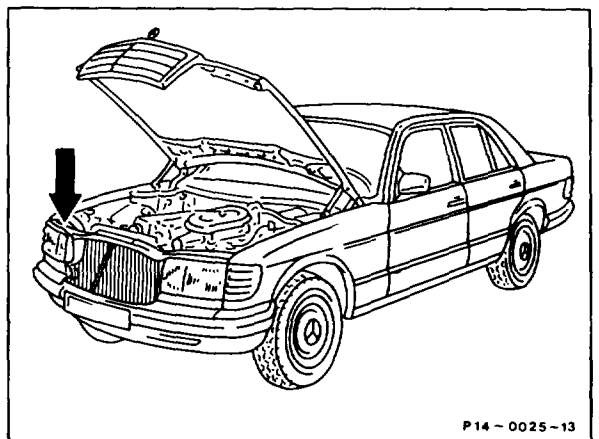
vor KAT _____ ± 0,5 % CO

↓

≡ _____ % CO (ASU)

P00-0022-53

Engine data plate (open-loop KAT)



Location of engine data plate

P14 - 0025 -13