

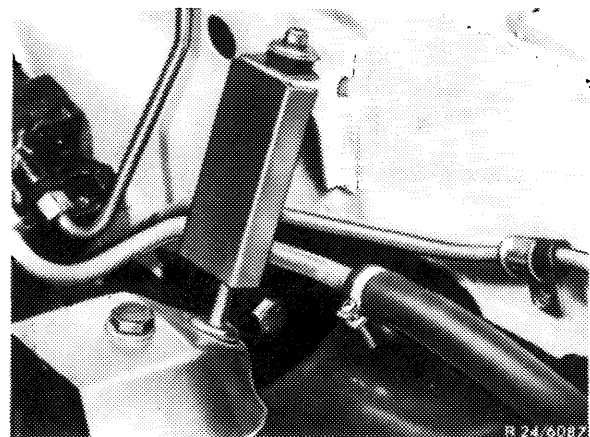
49–450 Removal and installation of exhaust manifold

A. Model 107

Tightening torque	Nm	(kpm)
Screw for engine mount	75	(7.5)

Removal

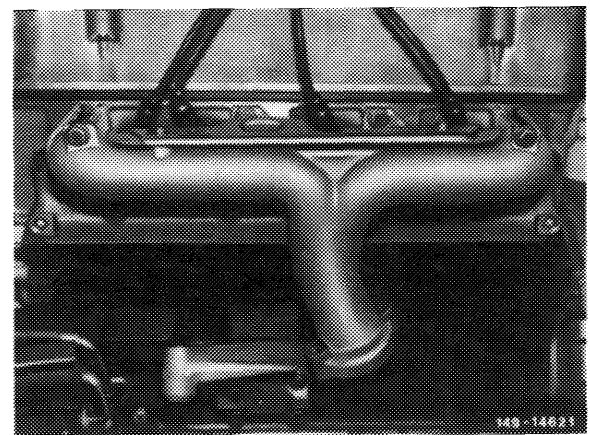
- 1 Remove exhaust system (49–100).
- 2 Pull-off ignition cable.
- 3 Unscrew shielding plates on exhaust manifold.
- 4 Unscrew engine shock absorber with holder and shielding plates. For this purpose, remove screw for engine mount.



Exhaust manifold left

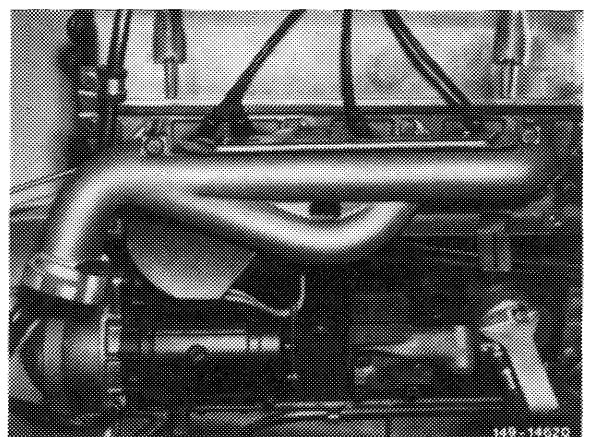
- 5 Remove air filter.
- 6 Remove cylinder head cover.
- 7 Remove vacuum hoses.
- 8 Unscrew exhaust nuts and screws and remove exhaust manifold. Slightly lift engine by means of pit lift, if required.

Note: For exhaust manifolds without slots, unscrew one stud each at front and rear on cylinder head.



Exhaust manifold right

- 9 Remove windshield washer reservoir. Unscrew coolant reservoir. Unscrew fastening clip for cooling water hose. Loosen cable strap for electric line and put reservoir aside.
- 10 Remove battery, battery holder and shielding plate.



11 Unscrew exhaust nuts and screws and remove exhaust manifold. Slightly lift engine with pit lift, if required.

Note: On exhaust manifolds without slots, unscrew one stud each at front and rear on cylinder head.

Installation

12 For installation proceed vice versa and renew all gaskets and exhaust nuts.

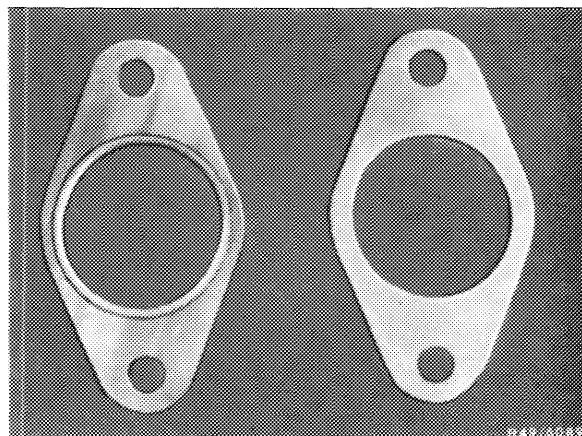
13 Mount flange gaskets with sheet metal facing cylinder head side.

14 Tighten screws for engine mount to 75 Nm (7.5 kpm).

15 Mount exhaust system.

16 Mount air filter.

17 Run engine and check exhaust system for leaks.



Cylinder head side

Exhaust manifold side

B. Model 116

Removal

1 Remove exhaust system (49–100).

2 Pull-off ignition cable.

3 Unscrew shielding plates from exhaust manifold.

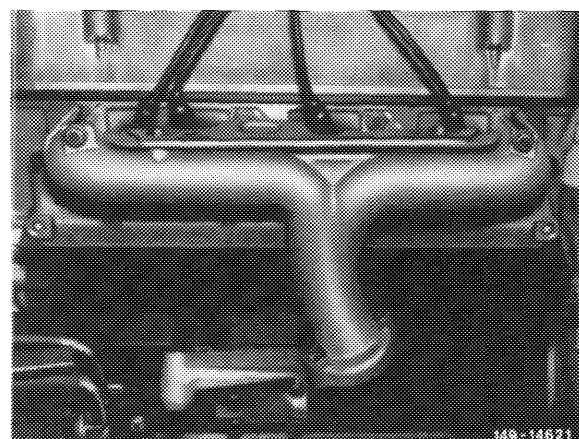
Exhaust manifold left

4 Remove air filter.

5 Remove cylinder head cover.

6 Remove vacuum hoses.

7 Unscrew exhaust nuts and screws and remove exhaust manifold. Slightly lift engine with pit lift, if required.



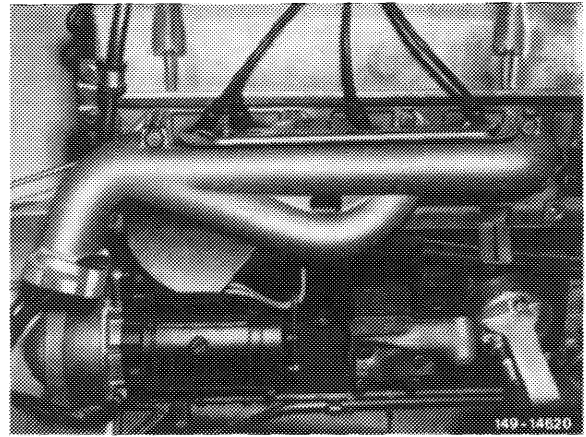
Note: On exhaust manifolds without slots unscrew one stud each at front and rear on cylinder head.

Exhaust manifold right

8 Remove battery and battery holder.

9 Unscrew exhaust nuts and screw and remove exhaust manifold. Slightly lift engine with pit lift, if required.

Note: On exhaust manifolds without slots, unscrew one stud each at front and rear on cylinder head.



Installation

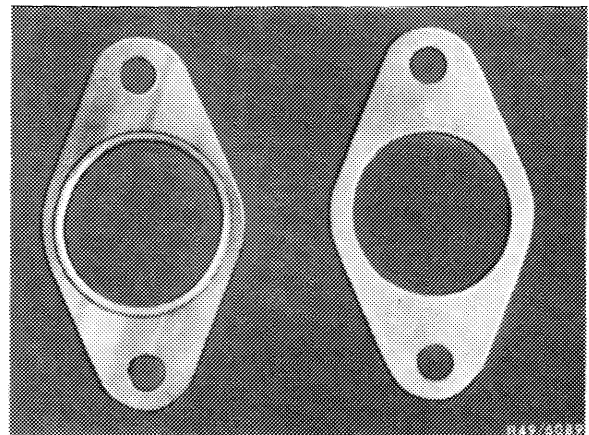
10 For installation proceed vice versa and renew all gaskets and exhaust nuts.

11 Mount flange seals with sheet metal facing cylinder head side.

12 Mount exhaust system.

13 Mount air filter.

14 Run engine and check exhaust system for leaks.



Cylinder head side

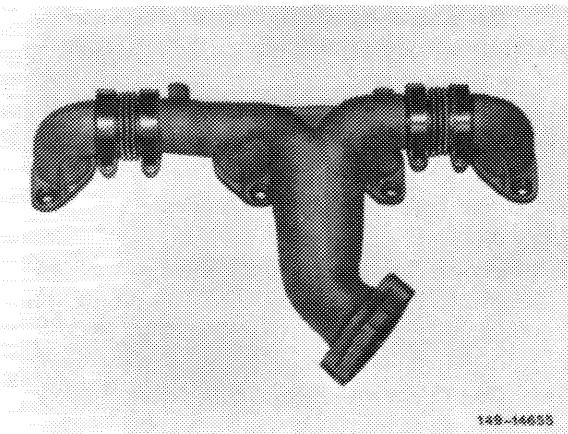
Exhaust manifold side

Repair versions

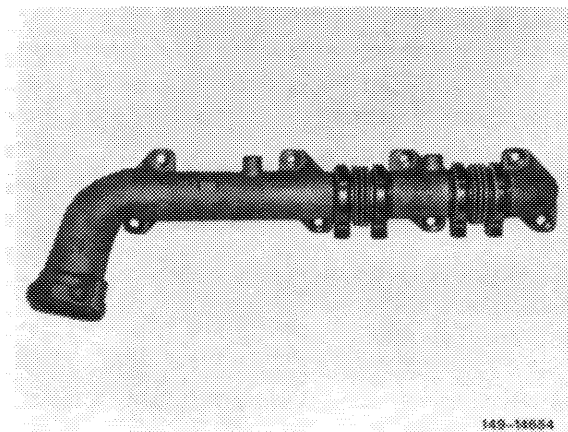
Left-hand steering

In the event of repairs, exhaust manifolds with outer ball connection (formerly trapezoidal connection) will be supplied. For this reason, when installing an exhaust manifold with outer ball connection, the front exhaust pipe with trapezoidal connection must be replaced by an exhaust pipe with outer ball connection.

Exhaust manifold left

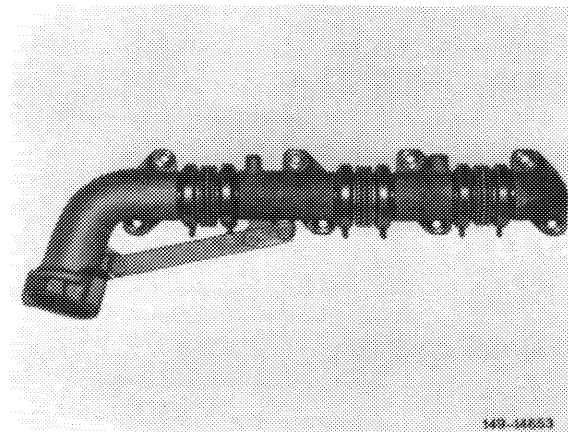


Exhaust manifold right



If during extremely sharp driving damage will show up even on exhaust manifolds with 2 bellows, the exhaust manifold can be subsequently provided with 3 bellows on right-hand engine side of model 116.

Exhaust manifold right model 116



Right-hand steering

On right-hand steering vehicles the exhaust manifolds are replaced like for like.