

Cylinder head - removal and refitting

Only remove the cylinder head from a cool engine. The exhaust and inlet manifolds remain connected.

A defective cylinder head gasket is recognisable by the following signs:

- Loss of performance.
- Loss of coolant. White exhaust clouds from a warm engine.
- Coolant in engine oil; level of oil increases rather than decreases. Oil is grey in colour; bubbles on the dipstick; oil thin.
- Oil in the coolant.
- Strong bubbling in the coolant.
- Low compression in two adjacent cylinders.

Removal

- Open the bonnet vertically, see page 13.
- Pull out the green control lead at the distributor.
- Drain the coolant, see page 79.
- Remove the air filter, see page 96.
- Unclamp the battery earth cable.
- In cars with ride level control: unbolt the oil pressure pump and put to one side, see page 13.



- Remove the mounting bolt -arrow- for the clip of the leakage return line from the engine inlet manifold heater.
- Pull the heater hose away from the cylinder head; open the clip first and push back.
- Mark all the fuel and vacuum hoses on the cylinder head with tape and remove.
- Mark all the electrical cables on the cylinder head with tape and remove.
- Disconnect the return spring of the accelerator linkage.
- Remove the axial throttle regulating shaft, see page 14.



- **Carburetor engine:** Remove the securing nut -arrow- of the bracket of the inlet manifold.
Caution: Until 6/81 the bracket was attached directly to the inlet manifold.



- **Injection engine:** Remove the bolts of the inlet manifold.



- Loosen the guide tube for the dipstick at the exhaust flange -arrow-. Unclip the pipe, pull out the dipstick and block the guide tube.

Mercedes Benz Repair Manual Cooling

D Keegan



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