

01-1000 Notes regarding crankcase

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

Model designation identification

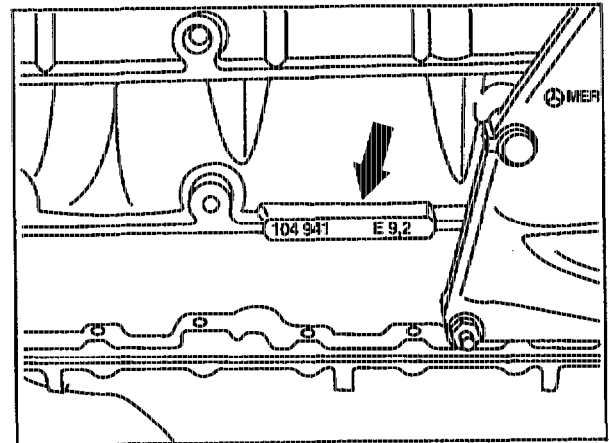
Replacement crankcases and short blocks do not have a stamped engine model designation and engine number.

The workshop performing repairs must stamp the engine model designation in the crankcase in the space provided for the engine number (arrow) on the right in front of the engine support to enable the engine of the vehicle to be properly identified (e.g. by vehicle inspection authority after vehicle has been laid up or by Customs if vehicle is exported etc.).

Example:

104.941 (engine model designation in model 202.028), see also (01-0010).

The engine compression ratio (E) is stamped after the engine number.

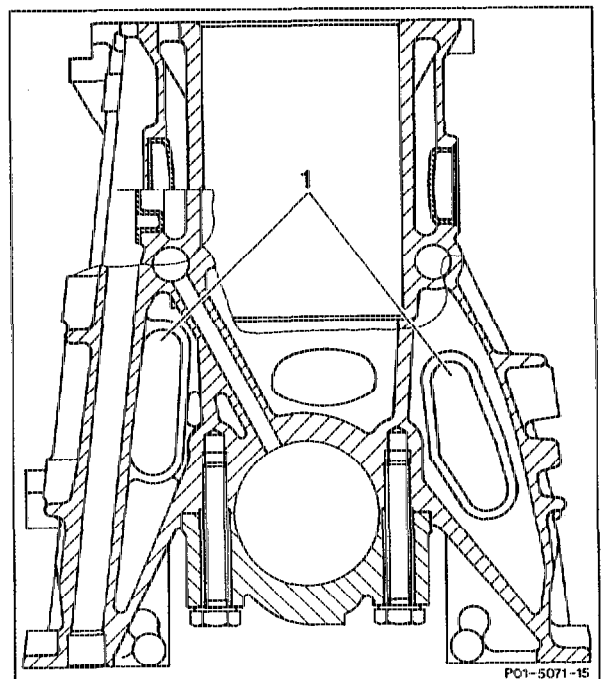


P01.40-0235-13

Since January 1991 crankcases with additional bearing seat openings on the side (1) have been used as standard.

This improves the pressure distribution in the crank chamber.

Threaded holes in crankcase, see (01-1220).



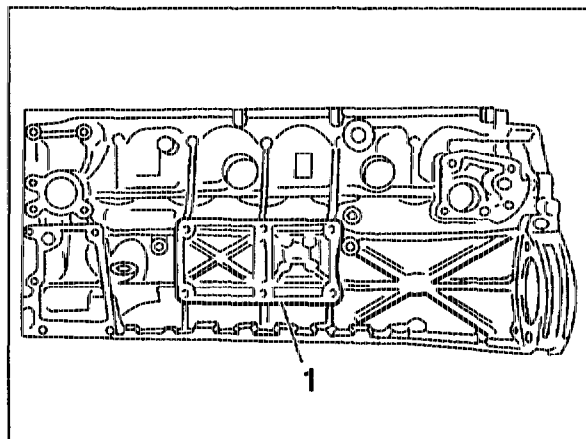
P01-5071-15



The crankcase of engine 104.990 has been strengthened with additional cast ribs (1) at the outer contours. This results in a change in the knock sensor signals (KSS) which necessitates a modified ignition control module (DI).

Production breakpoint April 1991 (2nd version)
 as of engine as of vehicle ident no.
 104.990-10-000 081 140.032/033-1A-002520
 104.990-12-001 169

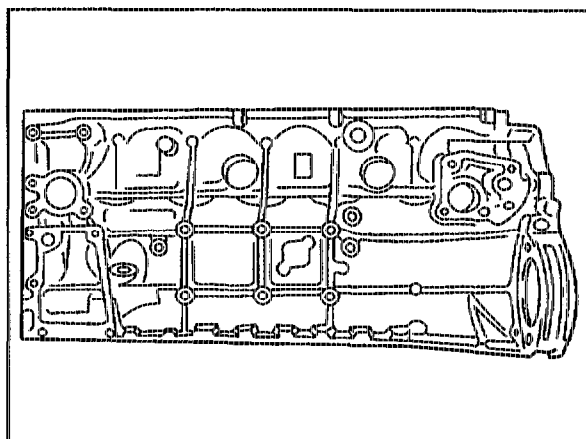
As of April 1991 2nd version



P01.40-0269-13

When replacing the crankcase or installing a reconditioned engine, the matched ignition control module (DI) should be used (see table). Except for USA models.

Up to April 1991 1st version



P01.40-0270-13

Matching crankcase and DI ignition control module (except USA models)

Crankcase	Bosch DI	Siemens DI
1st version up to April 1991	009 545 64 32 up to April 1991	009 545 67 32 up to April 1992
2nd version as of April 1991	012 545 71 32 as of April up to June 1991	012 545 72 32 as of April up to June 1991
2nd version as of April 1991	012 545 80 32 as of June 1991	012 545 81 82 as of June 1991