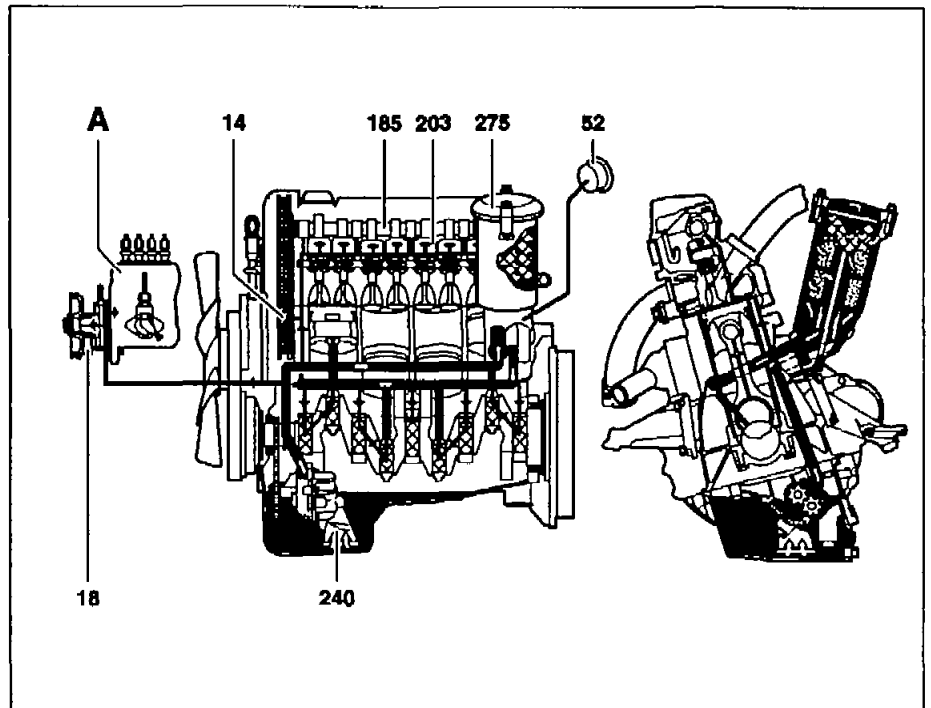



ENGINE 601, 602, 603 (except, 602.982)



P18.00-0400-06

The engine oil is drawn in by the oil pump.
 An oil overpressure valve, which controls oil pressure, is integrated in the oil pump.
 The engine oil flows through the main oil gallery at the left side of the engine to the oil filter.
 The engine oil is filtered in the oil filter. Cleaned engine oil flows along the cross-gallery at the rear of the crankcase to the main oil gallery at the right-hand side of the engine.
 The right main oil gallery is sealed at the front and rear with ball seals.

The right main oil gallery supplies engine oil to the main and conrod bearings.
 A cross-gallery is positioned at the front of the crankcase, which supplies the chain tensioner, the injection pump, and the oil spray nozzle for the timing chain with engine oil. The oil riser gallery at the front to the cylinder head supplies engine oil to the hydraulic compensation element (203) and to the camshaft bearings through a longitudinal gallery in the cylinder head.

	Engine oil pressure circuit as-built description	Engine 601.91, 603.91 without exhaust gas recirculation Engine 601.91, 602.91, 603.91 with exhaust gas recirculation Engine 602.96, 603.96/97	GF18.00-P-1106A GF18.00-P-1106A GF18.00-P-1106C GF18.00-P-1106C
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