

Common hand tools

BMW 3-Series and Z4 (99-05) Includes 2006 325ci/330ci Coupe and Convertible models Haynes Online Manual.

10 Engine overhaul - reassembly sequence

1 Before beginning engine reassembly, make sure you have all the necessary new parts, gaskets and seals as well as the following items on hand:

A 1/2-inch drive torque wrench
New engine oil
Gasket sealant
hread locking compound
2 If you obtained a short block it will be necessary to install the <u>cylinder head</u> , the oil pump and pick-up tube, the <u>oil pan</u> , the water pump, the <u>timing chain</u> and timing chain cover, and the valve cover (see <u>Chapter 2A</u>). In order to save time and avoid problems, the external components must be installed in the following general order:
Thermostat and housing cover
Water pump
Intake and exhaust manifolds
Fuel injection components
Emission control components
Spark plugs
Ignition coils
Oil filter
Engine mounts and mount brackets
Flywheel/driveplate

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