

**Haynes**
shows you how

BMW 3-Series (92-98) & Z3 (96-98) Haynes Online Manual

15 Engine overhaul - reassembly sequence

1 Before reassembly begins, ensure that all new parts have been obtained, and that all necessary tools are available. Read through the entire procedure to familiarize yourself with the work involved, and to ensure that all items necessary for reassembly of the engine are at hand. In addition to all normal tools and materials, thread-locking compound will be needed. A suitable tube of liquid sealant will also be required for the joint faces that are fitted without gaskets.

2 In order to save time and avoid problems, engine reassembly can be carried out in the following order, referring to Part A or B of this Chapter unless otherwise stated:

- A. Crankshaft ([Section 10](#)).
- B. Piston/connecting rod assemblies ([Section 9](#)).
- C. Oil pump.
- D. Oil pump and oil pan.
- E. Flywheel/driveplate.
- F. Cylinder head.
- G. Timing chain, tensioner and sprockets.
- H. Engine external components.

3 At this stage, all engine components should be absolutely clean and dry, with all faults repaired. The components should be laid out (or in individual containers) on a completely clean work surface.

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