

**Haynes**  
shows you how

BMW 3-Series 320i & 320xi (12-14), 325i, 325xi, 330i & 330xi (06) & 328i & 328xi (07-14) Haynes Online Manual

## 16 Flywheel pilot bearing - inspection, removal and installation

### Inspection

1 The pilot bearing is installed into the center of the dual-mass flywheel, and provides support for the free end of the transmission input shaft on manual transmission vehicles. It can only be examined once the clutch has been removed (see [Chapter 8](#)). Using a finger, rotate the inner race of the bearing and check for any roughness, binding or looseness in the bearing. If any of these conditions are evident, the bearing must be replaced.

### Removal

2 Remove the flywheel (see [Section 14](#)).

3 The bearing must be pressed out using a hydraulic press with a drift that bears only on the inner bearing race. The bearing is pressed from the engine side of the flywheel and out of the clutch side (see illustration) . *Note: The act of pressing the bearing out will render it unusable - it must be replaced.*

**16.3 Press the pilot bearing from the engine side of the flywheel**



### Installation

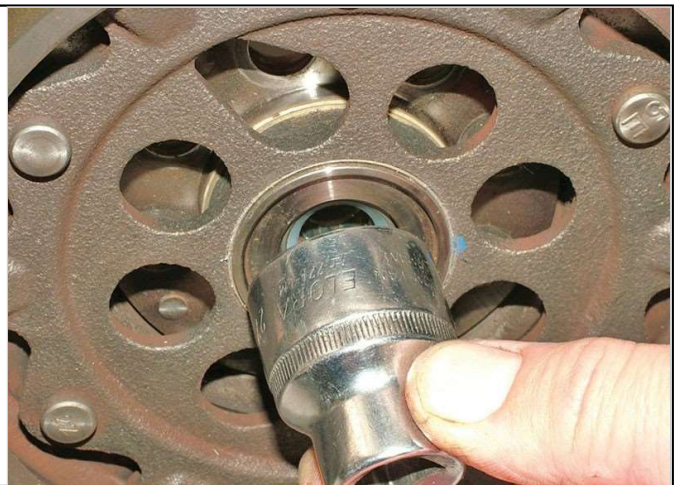
4 Using a suitable socket or piece of pipe, that bears only on the hard outer edge of the bearing, press the new

bearing into the flywheel until it contacts the shoulder (see illustrations) .

**16.4a Position the bearing . . .**



**16.4b . . . and drive it into place**



5 Install the flywheel (see [Section 14](#) ).