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

14 Flywheel/driveplate - removal, inspection and installation

Note:

New flywheel/driveplate retaining bolts must be used on installation.

Removal

1 On manual transmission models, remove the transmission (see [Chapter 7A](#)) and the clutch assembly (see [Chapter 8](#)). On automatic transmission models, remove the transmission and torque converter (see [Chapter 7B](#)).

2 Prevent the flywheel/driveplate from turning by locking the ring gear teeth with a similar arrangement to that shown in [Chapter 2A](#), [illustration 14.2](#). Alternatively, bolt a strap between the flywheel/driveplate and the cylinder block/ crankcase.

3 Loosen and remove the retaining bolts and remove the flywheel/driveplate, noting its locating dowel.

Caution:

Be careful - the flywheel/driveplate is very heavy. Discard the bolts; they must be replaced with new ones whenever they are loosened or removed.

Inspection

4 If the flywheel-to- clutch mating surface is deeply scored, cracked or otherwise damaged, then the flywheel must be replaced, unless it is possible to have it surface-ground. Seek the advice of a BMW dealer or engine reconditioning specialist.

5 If the ring gear is badly worn or has missing teeth, then it must be replaced. This job is best left to a BMW dealer or engine reconditioning specialist.

6 Manual transmission models are equipped with a dual-mass flywheel. While the manufacturer does not publish any checking procedures, rotate the inner mass by hand counterclockwise, mark its position in relation to the outer mass, then rotate it by hand clockwise and measure the travel. As a general rule, if the movement is more

than one inch (30 mm) or less than half-inch (15 mm), consult a dealer or transmission specialist as to whether a new unit is needed.

Installation

7 Clean the mating surfaces of the flywheel/driveplate and crankshaft and remove all traces of locking compound from the crankshaft threaded holes.

8 Install the flywheel/driveplate to the crankshaft, engaging it with the crankshaft locating dowel, and install the new retaining bolts.

Note:

If the new bolts are not supplied pre-coated with locking compound, apply a few drops prior to installing the bolts.

9 Lock the flywheel/driveplate using the method employed on removal, then tighten all the retaining bolts to the specified torque setting, in a diagonal sequence.

10 Install the clutch assembly (see [Chapter 8](#)) and manual transmission (see [Chapter 7A](#)) or the automatic transmission and torque converter (see [Chapter 7B](#)).

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