



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

15 Flywheel/driveplate - removal and installation

Note:

New flywheel/driveplate retaining bolts will be required on installation, and thread-locking compound may be required.

Removal

1 Remove the manual transmission as described in [Chapter 7A](#) , or the automatic transmission as described in [Chapter 7B](#) .

2 On models with a manual transmission, remove the clutch as described in [Chapter 8](#) .

3 In order to remove the bolts, the flywheel/driveplate must be locked in position. This can be done by bolting a flywheel locking tool (engage the tooth with the starter ring gear) to the engine block using one of the transmission-to-engine bolts (see illustration) .

15.3 Tool used to lock the flywheel in position when unscrewing flywheel bolts



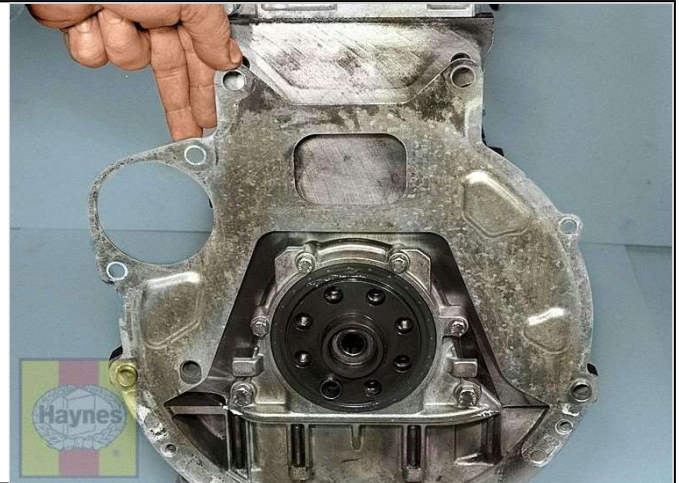
4 Progressively loosen and remove the retaining bolts, then withdraw the flywheel/driveplate from the crankshaft. Note that the flywheel/driveplate locates on dowels. **Warning:** *Take care as the flywheel/driveplate is heavy.*

5 Remove the engine/transmission intermediate plate (where installed), noting its orientation.

Installation

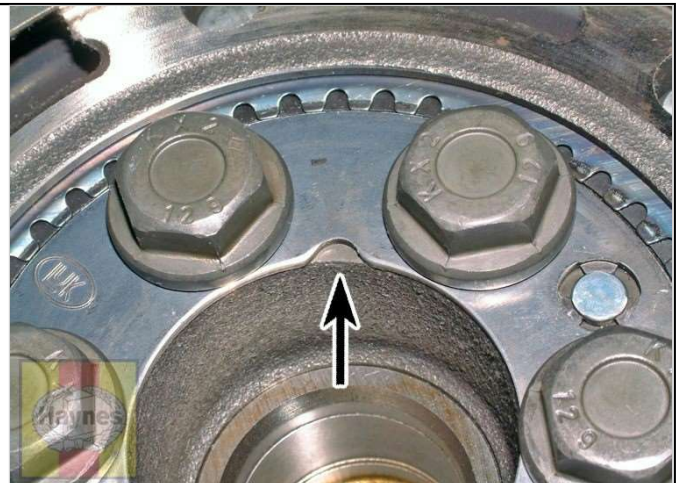
6 Reinstall the engine/transmission intermediate plate (where installed), ensuring that it is correctly located on the dowel(s) (see illustration) .

15.6 Ensure the engine/transmission intermediate plate is correctly located



7 Reinstall the flywheel/driveplate to the end of the crankshaft, ensuring that the locating dowel engages. Note that on dual-mass flywheels, the position of the dowel is indicated by one or two notches in the flywheel adjacent to the relevant locating hole (see illustration) .

15.7 The notch indicates the position of the locating hole for the dowel



8 Examine the threads of the new retaining bolts. If the threads are not already coated with thread-locking compound, apply a non-hardening thread-locking compound to them, then reinstall the bolts (see illustration) .

15.8 If the bolt threads are not already coated with thread locking compound, apply some



9 Tighten the bolts progressively in a diagonal sequence to the torque listed in [this Chapter's Specifications](#). Lock the flywheel/driveplate by reversing the tool used during removal.

10 Where applicable, reinstall the clutch as described in [Chapter 8](#).

11 Reinstall the transmission as described in Chapter [7A](#) or [7B](#).

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