



Haynes
shows you how

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

17 Engine/transmission mounts - inspection and replacement

Inspection

- 1 Two engine mounts are used, one on either side of the engine.
- 2 If improved access is required, raise the front of the vehicle and support it securely on jackstands.
- 3 Check the mount rubber to see if it is cracked, hardened or separated from the metal at any point. Replace the engine mounts if any such damage or deterioration is evident.
- 4 Check that all the mount bolts and nuts are securely tightened.
- 5 Using a large screwdriver or a crowbar, check for wear in the mounts by carefully prying against it to check for free play. Where this is not possible, enlist the aid of an assistant to move the engine/transmission back-and-forth, or from side-to-side, while you observe the mounts. While some freeplay is to be expected, even from new components, excessive wear should be obvious. If excessive freeplay is found, check first that the fasteners are correctly secured, then replace any worn components as required.

Replacement

- 6 Support the engine, either using a hoist and lifting chain connected to the engine lifting brackets (refer to *Engine - removal and installation* in Part B of this Chapter), or by positioning a jack and block of wood under the oil pan. Ensure that the engine is adequately supported before proceeding.
- 7 Remove the nuts securing the left and right-hand engine mount brackets to the mounts, then unbolt the mount brackets from the engine block, and remove the mounts. Disconnect the engine ground straps from the mount (see illustrations) .

17.7a Unbolt the engine mounting bracket from the engine block



17.7b A ground strap is installed to the right-hand engine mounting bracket



8 Remove the nuts securing the mounts to the body, then remove the mounts.

9 Installation is the reverse of removal, but ensure that the metal protector plates are in position on the mounts, and securely tighten all fasteners.

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