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

## 7 Electronic components/sensors - removal and installation

1 The turbine speed sensor, output speed sensor and transmission range switch are all contained within the transmission casing. Replacement of the components involves removal of the oil pan and partial dismantling of the transmission, therefore this should be entrusted to a BMW dealer or suitably-equipped specialist.

2 The transmission electronic control module (ECM) is located in the 'E-box' in the left-hand corner of the engine compartment. Loosen the screws, remove the E-box lid, disconnect the wiring connector and remove the ECM.

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