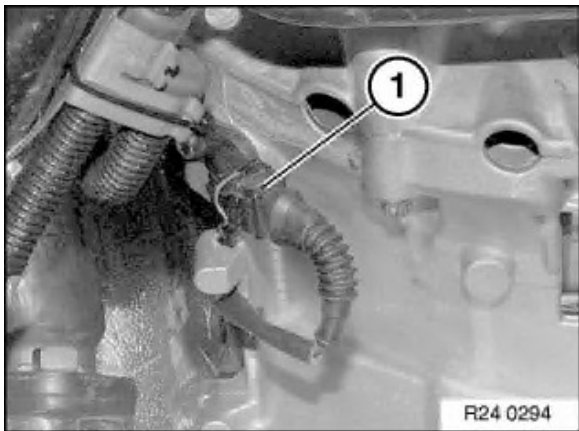
**Special tools required:**

- 00 2 407
- 00 2 550

Interrogate fault memory of DME control unit.  
Switch off ignition.

Unfasten plug connection (1).



Unscrew screw. Remove impulse sensor.

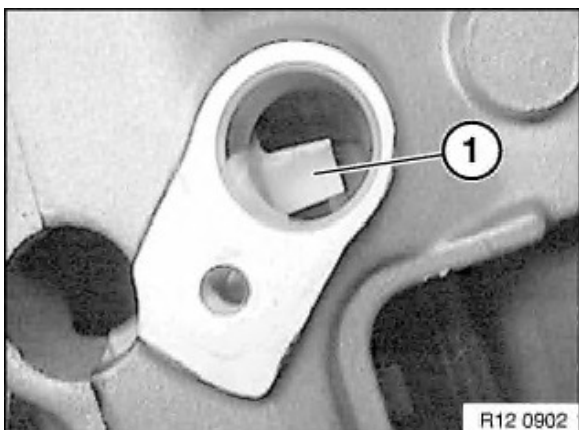
*Installation:*

Observe the following when replacing the transmission, the flywheel or the pulse sensor:

Note whether one or more shims are installed between the transmission housing and the pulse sensor. If one or more shims are installed, the distance between the pulse sensor and the pulse teeth of the increment wheel must be measured.



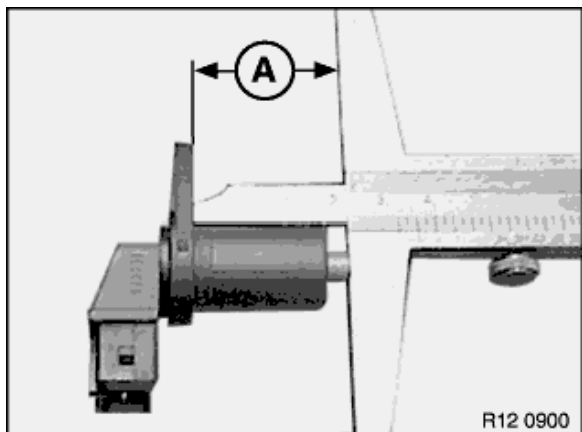
Crank engine at front central bolt so that a full pulse tooth (1) can be seen through opening in removed pulse generator. Make sure that the pulse tooth (1) is exactly centered in the hole.





Use special tool 00 2 407 or 00 2 550 to determine depth to flywheel pulse gears.

Note depth.



Measure depth (A) of pulse generator.

Subtract depth (A) of pulse generator from depth of flywheel. This result is the gap dimension.

Set a gap of  $0.55 \pm 0.2$  mm with the shims.

The gap of 0.55 mm should be achieved as closely as possible so as to:

1. Enable exact misfiring recognition.
2. Prevent pulse sensor from contacting pulse teeth.

Refer to BMW Parts Service for shims.

#### Installation:

Interrogate fault memory of control unit on Digital Engine Electronics (DME), check fault messages in memory, rectify faults and cancel fault memory.