



# Bulletin

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## Vauxhall Astra G / H Model year: from 2003/2004 Engine: Z16XEP

### Engine control lamp comes on Engine does not run smoothly

#### **Fault code: P1113**

Indicating port deactivation position sensor; circuit voltage too low / too high.

If the fault listed above is determined, it may be caused by a defective intake-manifold flap potentiometer.  
In this case, first check the engine harness and the correct fit of the vacuum hoses.

If no defect is determined here, the potentiometer's limit values need to be tested using a diagnostic tool.

To rule out a defect in the potentiometer, the target values specified by the manufacturer must be compared with the actual measured values in the measuring value block.

Manual movement of the intake flaps from the lower to the top limit stop:

- Lower value: max. 0.5 volts
- Upper value: min. 4.5 volts

If these values are not achieved, the potentiometer should be replaced. If the potentiometer does not display any defects, but the fault still occasionally occurs when the engine is warm, another cause may be mechanical deformation of the plastic components in the intake-manifold duct.

This may result in the intake manifold flaps jamming.

If this fault is determined, the intake manifold must be replaced.

According to the vehicle manufacturer, it is only available complete with wiring harness, injector nozzles and the sensor.