

# **Opel Astra - lamp illuminates sporadically | HELLA**

**Opel**

**Astra G model year: 2003**

**Astra H model year: 2004 - 2007 engine code: Z16XEP**

**Vectra C model year: 2006 - 2008 engine code: Z16XEP**

**Meriva model year: 2006 - 2010 engine code: Z16XEP**

**Zafira B model year: 2005 - 2007 engine code: Z16XEP**

## **Insufficient engine power malfunction indicator lamp illuminates sporadically**

Complaints about insufficient engine power have been received with respect to the aforementioned vehicles.

MIL (malfunction indicator lamp) illuminates sporadically, in addition the following fault codes are set.

- P0171 (air / fuel ratio lean)
- P0300 (misfire on multiple cylinders detected)
- P0303 (cylinder 3 - misfire detected)
- P1300 (EOBD error due to empty tank)

The cause of the aforementioned problem can be a dirty EGR valve (exhaust gas recirculation valve) (figure 1 / 2) and/or an EGR channel that is blocked with impurities

(figure 3) in the intake manifold.

Remedy:

- Release the plug connection and remove the EGR valve
- Check the EGR valve and replace if necessary

- Remove the intake manifold
- Check EGR channels for impurities and clean if necessary (use a suitable tool)
- Install the intake manifold
- Carry out a test drive
- Read the faults using a diagnostic unit and delete them if necessary



Figure 1



Figure 2



Figure 3