



## **Opel Astra-G, Corsa-C, Combo, Vectra-B, Zafira ⇒ 2001-2002 With engines Z14XE, Z16XE, Z16SE, Y16XE, Z18XE**

### **Rough running, poor idling and juddering**

If there are complaints about the above-mentioned faults, a soiled EGR valve could be the cause.

In this case proceed as follows:

- Remove EGR valve and check for soiling.
- If the valve is soiled, remove the dirt particles using a brass brush or a scraper (see Fig. 1)

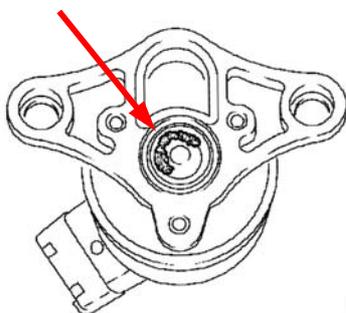


Fig.1

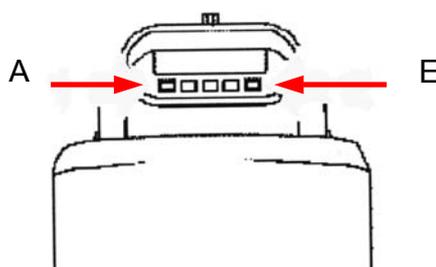


Fig.2

- Check the function of the EGR valve. With the aid of a cable, connect pin A of the valve to the negative pole of the battery. With the aid of a cable, connect pin E several times briefly to the positive pole (see Fig.2).
- Using a vacuum cleaner, vacuum the dirt particles from both EGR channels.
- Refit and reconnect the EGR valve.