



## **Mercedes**

**Type: 170, 202, 203, 208, 210**

**With engine: 111. xxx**

**With automatic transmission**

### **Transmission in limp-home mode / ESP/BAS and ABS displays illuminate**

With the above-mentioned vehicles it is possible that the transmission switches to limp-home mode and the ESP/BAS warning light illuminates/flashes together with the ABS warning light or is shown in the multi-function display. This happens particularly often after an engine at running temperature is started, in which case the transmission goes into limp-home mode (max. 2<sup>nd</sup> gear and hard changing processes in "D" and "R"). This is caused by the control unit for the vacuum pump not recognising the CAN signal of the stop light switch. The following fault codes may be stored:

- ESP control unit: C1020, C1022, C1024
- EGS control unit: 134
- EWM control unit: P1875, P1876
- Control unit for el. vacuum pump: C1025, C1035

In the above-mentioned cases the control unit or another component is not necessarily faulty. The first step is to take a readout of the software status of the control unit for the electrical vacuum pump. This must be later than 40/99. Otherwise a newer software status should be installed. In most cases this will eliminate the problem.



## Legend:

ESP	Electronic stabilisation program
BAS	Braking assistant
ABS	Anti-lock braking system
CAN	<u>C</u> ontrolled <u>A</u> rea <u>N</u> etwork (data bus)
EGS	Electronic transmission control system
EWM	Electronic selection lever module