

FKB_0041AA

VIN: **XXXXXXX** Vehicle: **5/E60/SEDAN/530d/M57/AUTO/EUR/LL/2008/08**
 System Version: **3.47.30.13232** Data Version: **R3.47.30.13232**

Fault description	<p>Plausibility check of charging pressure with exhaust gas pressure and ambient pressure.</p> <p>The fault is detected when the difference between the charging pressure and the mean value of two reference pressures (ambient pressure and exhaust gas pressure) is above the following limit value: 300 mbar</p> <p>The difference between the reference pressures needs to be less than the following value: 60 mbar</p>
Condition for fault identification	<p>The plausibility check is carried out when one of the valid operating ranges is active:</p> <p>Engine in standby mode: Change in status from wake-up for at least the debounce time: 2 s</p> <p>Terminal 15 ON:</p> <ul style="list-style-type: none"> - Terminal 15 on for the minimum duration: 6000 ms. - Engine speed less than maximum speed: 10 rpm. <p>During longer idle phase and low load in diesel particulate filter:</p> <ul style="list-style-type: none"> - Engine running. - Operating range valid for at least the following period: 8000 ms. - Engine speed between the following values: <p>Lower value: 650 rpm.</p> <p>Upper value: 900 rpm.</p> <ul style="list-style-type: none"> - Fuel injection rate between the following values: <p>Lower value: 0 mg/stroke.</p> <p>Upper value: 15 mg/stroke.</p> <ul style="list-style-type: none"> - Throttle valve activation signal less than following value: 10 %. - The maximum value for the amount of soot deposits in the diesel particulate filter is below the following value: 25 g. - Duration since last regeneration of the diesel particulate filter is above following value: 250 s. - Driving speed is below following value: 8 km/h. <p>Engine in after-run for at least the after-running period: 4000 ms.</p> <p>Driving Active</p> <p>Pruefen_Analyse_Diagnose Active</p> <p>Living Active</p>
Condition for fault memory entry	The fault is entered if it is present for longer than the following period: 500 ms
Action in service	<ol style="list-style-type: none"> 1. Check line and plug connections 2. If lines and plug connections are OK: <p>Replace charging pressure sensor.</p>
Fault effect and breakdown warning	<p>None</p> <p>Visit your nearest BMW Service Centre.</p>
Driver information	None
Service instruction	-