

<b>Fault description</b>	<p>Monitoring of positive control deviation (rail pressure too low) and for excessively high control variable of rail pressure regulating valve in rail pressure control via rail pressure regulating valve.</p> <p>The fault is detected if the positive control deviation is greater than the limit value and if the control variable is greater than or equal to the operating point-dependent limit value.</p> <p>Control deviation limit value: 250 bar</p>
<b>Condition for fault identification</b>	<p>Monitoring is running continuously.</p> <p>Control unit voltage: 9.5 V to 16 V.</p>
<b>Condition for fault memory entry</b>	<p>The fault is entered if it is present for longer than the following period (debounce time): 750 ms</p>
<b>Action in service</b>	<p>Check the following possible fault causes:</p> <ul style="list-style-type: none"> <li>- Pre-supply pressure too low (filter blocked, leakage on low pressure side).</li> <li>- Incorrect value displayed by rail pressure sensor.</li> <li>- Leakage in the high pressure area.</li> <li>- Injector jammed open.</li> <li>- Worn high pressure pump.</li> <li>- Worn injection system.</li> <li>- Leaking rail pressure regulating valve.</li> <li>- Internal leakage in the common rail system.</li> <li>- External leakage in the common rail system.</li> <li>- Air in the common rail system.</li> </ul> <p>Check possible fault causes, perform system test - rail pressure control</p>
<b>Note on effect of fault</b>	<p>Attempt to start the engine again following a terminal change.</p> <p>Visit your nearest BMW Service Centre.</p>
<b>Driver information</b>	<p>CC message</p>
<b>Service instruction</b>	<p>If the following components are renewed:</p> <ul style="list-style-type: none"> <li>- Rail pressure sensor</li> <li>- Rail pressure regulating valve</li> <li>- Fuel quantity control valve</li> <li>- High pressure pump</li> </ul> <p>The following service function must be carried out: Delete adaptations, fuel system.</p> <p>If an injector is replaced, the following service function must be carried out: Injection quantity compensation.</p>