

Fault description	<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>
Condition for fault identification	<p>Monitoring is running continuously.</p> <p>Control unit voltage: 9.5 V to 16 V.</p>
Condition for fault memory entry	<p>The fault is entered if it is present for longer than the following period (debounce time): 750 ms</p>
Action in service	<p>Check the following possible fault causes:</p> <ul style="list-style-type: none"> - Pre-supply pressure too low (filter blocked, leakage on low pressure side). - Incorrect value displayed by rail pressure sensor. - Leakage in the high pressure area. - Injector jammed open. - Worn high pressure pump. - Worn injection system. - Leaking rail pressure regulating valve. - Internal leakage in the common rail system. - External leakage in the common rail system. - Air in the common rail system. <p>Check possible fault causes, perform system test - rail pressure control</p>
Note on effect of fault	<p>Attempt to start the engine again following a terminal change.</p> <p>Visit your nearest BMW Service Centre.</p>
Driver information	<p>CC message</p>
Service instruction	<p>If the following components are renewed:</p> <ul style="list-style-type: none"> - Rail pressure sensor - Rail pressure regulating valve - Fuel quantity control valve - High pressure pump <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>