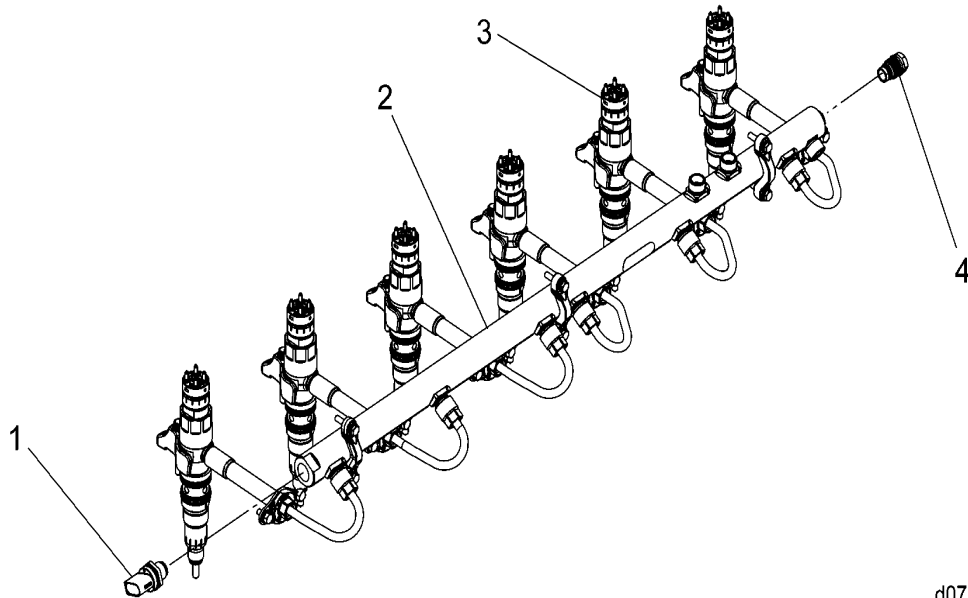


2.23.1 Description and Operation of the Pressure Limiting Valve - Three-Filter System

The pressure limiting valve is a safety element which limits the maximum rail pressure in the injection system to about 1280-1380 bar. If the current rail pressure exceeds the maximum rail pressure of about 1280-1380 bar, the push spring is pressed together by the pressure plate. A connection is opened at the same time to the cutoff bore, and the excess fuel flows into the return.



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1. Fuel Rail Pressure Sensor
2. Fuel Rail
3. Fuel Injector
4. Pressure Limiting Valve

Figure 1. Pressure Limiting Valve