

D1803-CR-E4, V2403-CR-E4, V2403-CR-TE4, DM

COMMON RAIL SYSTEM

<b>Name</b>		<b>SCV (MPROP) stuck</b>
<b>ISO 14229 P-Code</b>		<b>P0089</b>
<b>J1939-73</b>	<b>SPN</b>	1347
	<b>FMI</b>	7
<b>SPN Name SAE J1939 Table C1</b>		Engine Fuel Feed Pump Pressurizing Assembly #1
<b>DTC Name</b>		SCV (MPROP) stuck
<b>Detection item</b>		<ul style="list-style-type: none"> <li>• SCV stuck at open position (Actual rail pressure continuously exceeds the command rail pressure)</li> </ul>
<b>DTC Set Preconditions</b>		<ul style="list-style-type: none"> <li>• Supply pump is normal and pump calibration has been executed</li> <li>• Engine is operating (Q: 3 mm<sup>3</sup>/st or higher)</li> <li>• Injector is normal</li> <li>• Battery voltage is normal</li> <li>• Sensor supply voltage VCC# is normal</li> <li>• Rail pressure sensor is normal</li> </ul>
<b>DTC set parameter</b>		<ul style="list-style-type: none"> <li>• Discharge request of supply pump goes below 1800 mm<sup>3</sup>/st and the actual rail pressure is 20 MPa (100 kgf/cm<sup>2</sup>, 1400 psi) higher than command pressure.</li> </ul>
<b>Time to action or number of error detection</b>		<ul style="list-style-type: none"> <li>• 5 sec. or more</li> </ul>
<b>Limp Home Action by engine ECU (system action)</b>		<ul style="list-style-type: none"> <li>• Output limitation: Approximately 50 % of normal condition</li> <li>• Speed limitation (Accelerator limitation: 50 %)</li> <li>• EGR stop</li> <li>• Intake throttle full open</li> <li>• Engine forcibly stopped 180 sec later</li> </ul>
<b>Behaviour During Malfunction</b>		<ul style="list-style-type: none"> <li>• Insufficient output</li> <li>• Worsening exhaust gas performance</li> <li>• Engine stops in some case</li> </ul>
<b>Engine Warning Light</b>		<ul style="list-style-type: none"> <li>• ON</li> </ul>
<b>Recovery from error</b>		<ul style="list-style-type: none"> <li>• Key switch turn OFF</li> </ul>
<b>Delay time for recovery</b>		—
<b>Remark</b>		<ul style="list-style-type: none"> <li>• To minimize PM emission to DPF</li> </ul>

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