

P009511	Intake air temperature (IAT) sensor 2 circuit - circuit short to ground	<ul style="list-style-type: none"> <li>• NOTE: The IAT sensor 2 is part of the manifold absolute pressure temperature (MAPT) sensor</li> <li>• IAT sensor 2: short circuit to ground</li> <li>• IAT sensor 2 fault</li> </ul>	<p>Check the IAT sensor 2 and circuits. Refer to the electrical guides. Install a new MAPT sensor if necessary. REFER to: <a href="#">Manifold Absolute Pressure and Temperature (MAPT) Sensor</a> (303-14 Electronic Engine Controls - 2.4L Duratorq-TDCi HPCR (103kW/140PS) - Puma, Removal and Installation). Clear the DTCs and test for normal operation.</p>
P009515	Intake air temperature (IAT) sensor 2 circuit - circuit short to battery or open	<ul style="list-style-type: none"> <li>• NOTE: The IAT sensor 2 is part of the manifold absolute pressure temperature (MAPT) sensor</li> <li>• IAT sensor 2: open circuit</li> <li>• IAT sensor 2: short circuit to power</li> <li>• IAT sensor 2 fault</li> </ul>	<p>Check the IAT sensor 2 and circuits. Refer to the electrical guides. Install a new MAPT sensor if necessary. REFER to: <a href="#">Manifold Absolute Pressure and Temperature (MAPT) Sensor</a> (303-14 Electronic Engine Controls - 2.4L Duratorq-TDCi HPCR (103kW/140PS) - Puma, Removal and Installation). Clear the DTCs and test for normal operation.</p>
P010029	Mass or volume air flow A circuit - signal invalid	<ul style="list-style-type: none"> <li>• Restricted air intake path</li> <li>• Check for leak between mass air flow (MAF) sensor and turbocharger</li> <li>• MAF sensor fault</li> <li>• Turbocharger fault</li> <li>• Exhaust gas recirculation (EGR) valve fault</li> </ul>	<p>Check the intake air system for leaks, restrictions, etc.. Check for related DTCs. Rectify as necessary. Clear the DTCs and test for normal operation.</p>
P023400	Turbocharger A over boost condition	<ul style="list-style-type: none"> <li>• Turbocharger circuit fault</li> <li>• Turbocharger fault</li> <li>• Engine control module (ECM) fault</li> </ul>	<p>Check the turbocharger and circuits. Refer to the electrical guides. Rectify as necessary. Check turbocharger operation, check for sticking turbocharger vanes etc.. Install a new turbocharger if necessary. REFER to: <a href="#">Turbocharger</a> (303-04B Fuel Charging and Controls - Turbocharger - 2.4L Duratorq-TDCi HPCR (103kW/140PS) - Puma, Removal and Installation). Clear the DTCs and test for normal operation. Refer to the warranty policy and procedures manual if a module is suspect.</p>
P023521	Turbocharger boost sensor A circuit - signal amplitude less than minimum	<ul style="list-style-type: none"> <li>• NOTE: The MAP sensor is part of the manifold absolute pressure temperature (MAPT) sensor</li> <li>• MAP sensor circuit: short circuit to other pins</li> <li>• MAP sensor circuit: open circuit</li> <li>• MAP sensor fault</li> </ul>	
P023522	Turbocharger boost sensor A	<ul style="list-style-type: none"> <li>• NOTE: The MAP sensor is part of the</li> </ul>	