

Reference	SSM71910
Models	XK / X100
Title	Comprehensive Component Monitor- XK (X100) ONLY.
Category	Driveability
Last modified	29-Jul-2014 00:00:00
Symptom	623000 Emissions Compliance
Attachments	DSG_03-06MY_X100_Pedal_Sensors.xml, Drive Cycles.pdf
Content	<p>Issue: 2003-2006 XK (X100) Vehicles may fail the state inspection in some states which require the completion of the comprehensive component monitor, such as in New Jersey.</p> <p>Cause: The Accelerator Pedal Demand Position Sensor voltage is out of range, at 0% pedal angle. The voltage for pedal demand position sensor 1 should be between 0.88V and 0.99V. The voltages for pedal demand position sensor 2 should be between 3.89V and 4.18V. If the voltage for either sensor is not within the specified range at 0% pedal angle, it will inhibit the comprehensive component monitor from running.</p> <p>Solution:</p> <ol style="list-style-type: none"> 1. Carry out an initial check on both the reference voltage and ground wiring to the Pedal Demand Sensor. 2. If no fault found, continue to investigate accelerator pedal sensor. Check the pedal demand position sensor voltages using IDS/SDD with ignition on. Refer to SSM 54457 - New Datalogger Signal Grouping Feature to assist in installing the attached xml file which will assist you in monitoring these two signals. 3. At 0% pedal angle, the voltage for pedal demand position sensor 1 should be between 0.88V and 0.99V. The voltages for pedal demand position sensor 2 should be between 3.89V and 4.18V. If either sensor voltage reading is outside of these ranges, replace entire pedal demand position sensor(s) assembly. Follow the Removal and Installation procedure found in TOPIx if replacement is required. Jaguar Special Tool 310-101 accelerator cable adjustment tool is required to successfully complete this repair. 4. After fitting a new Pedal Demand Sensor, conduct the following: with the engine running, depress accelerator pedal, raising pedal demand position sensor 1 voltage above 1.9V. Release pedal and idle for 10 seconds. Repeat until comprehensive component monitor sets to complete. If required, perform the attached drive cycles in order to get all other remaining monitors to set.