

Reference	SSM51357
Models	XK / X150 F-TYPE / X152 X-TYPE / X400 XK / X100 S-TYPE / X200 XJ / X351 XF / X250 XJ / X350 XJ V8 / X308
Title	Fuel sender unit fault - incorrect diagnosis
Category	Electrical
Last modified	07-Oct-2014 00:00:00
Symptom	204000 Instrumentation
Attachments	
Content	<p>Issue:</p> <p>When investigating customer reports for incorrect fuel gauge concerns the dealer technician may diagnose that the fuel senders are open circuit. This diagnosis may be incorrect depending on the multimeter settings selected by the technician during measurement.</p> <p>Cause:</p> <p>The multi meter range maybe set at 'auto' and during a sweep of the sender from 50ohms to 998ohms the multi meter has to change its measurement range. For approximately 1 second, during the range switch over point, the multi meter display indicates an open circuit. This is incorrectly being diagnosed as a sender fault</p> <p>Action:</p> <p>When measuring fuel sender resistance values with a multimeter please ensure it is not in the 'Auto' setting and is set to 'Manual'. This will help prevent incorrect diagnosis and unnecessary fuel senders replacements.</p>