

2000 > G 2.0L DOHC > ENGINE > G 2.0L DOHC > P0452 Evaporative Emission System-
Pressure Sensor Low Input



Diagnostic Trouble Code Diagnosis Charts

P0452	Fuel tank pressure sensor low input
<p>Threshold Value ~ Fuel tank pressure:< -29.3 hPa</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>NOTE</p> <p>Multiply hPa by 0.0295 to get inches of mercury</p> </div> <p>Enable Conditions ~ NA Time Requirements ~ Continuous (0.5 seconds duration) MIL Illumination ~ 2 driving cycles</p>	<p>Related Items</p> <ul style="list-style-type: none"> • Short to GND between Fuel Tank Pressure Sensor (FTPS) C306-1 and (ECM) C211-59 or between (FTPS) C306-3 and (ECM) C211-76. • Open between (FTPS) C306-1 and (ECM) C211-59. • Defective FTPS.

STEP	INSPECTION	Y/N	ACTION
1	<p>With ignition off, disconnect C306 from FTPS. Connect adapter cable #K99U-2106-G17 to BOB and disconnect C211 from ECM.</p> <p>Connect adapter cable C211 to ECM and vehicle C211 to adapter cable. Turn ignition on (engine off) and measure voltage at C306-1 (5v). Is voltage approximately 5v?</p>	YES	Go to step 2.
		NO	<p>Turn ignition off and disconnect adapter cable C211 from ECM. Check for short to GND or open between C306-1 and C211-59. Repair as necessary.</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>NOTE</p> <p>Reference voltage circuit is shared by numerous components. Refer to 98 Sportage ETM for other possible causes of a short in this circuit.</p> </div>
2	<p>Measure voltage at C306-3 (5.6v to 5.8v). Is voltage between 5.6v and 5.8v?</p>	YES	Go to step 3.
		NO	Turn ignition off and disconnect adapter cable C211 from ECM. Check for short to GND between C306-3 and C211-76. Repair as necessary.
3	<p>Turn ignition off. Remove FTPS from vehicle and reconnect C306 to FTPS. Turn ignition on and measure output voltage at BOB pin 76 (2.5v +/- 0.32v). Is FTPS output voltage within specs?</p>	YES	Thoroughly check for loose, bent, misplaced or corroded connector terminals between FTPS and ECM. Repair as necessary.
		NO	Replace FTPS.
4	<p>Clear codes and return vehicle to original condition. Verify any repairs by driving vehicle with KIA Data Pro connected to OBD-II connector and monitoring for pending codes (refer to section 3 of the KIA Data Pro Generic OBD-II Program Card reference manual).</p>		