

# Latest Vehicle Concern Fixes



Check Engine Lamp with DTC P0496 stored	18-19MY RR, RRS, Velar, F PACE, XE, XF equipped with AJ126 or AJ133
<p><b>Customer Voice:</b></p> <ul style="list-style-type: none"> <li>The Check Engine Lamp is on.</li> </ul> <p><b>Technical Description:</b></p> <ul style="list-style-type: none"> <li>DTC P0496 is stored in the PCM.</li> <li>The fuel tank leak test routine and purge valve self test return passing results.</li> <li>This is caused by an bug in the software and is set when the gas cap is removed for refueling prior to the ignition being turned off.</li> </ul> <p><b>Status:</b></p> <ul style="list-style-type: none"> <li>Reference SSM 74279 or SSM 74280.</li> <li>Ensure the vehicle does not have a hardware fault present and do not replace parts if no hardware fault is identified.</li> <li>Updated PCM software is currently scheduled for release in April 2019.</li> </ul>	<pre> graph TD     EC1["Entry Conditions Ignition switch - On Battery voltage &gt; 11 v"] --&gt; C1{Conditions met}     EC2["Entry Conditions Ambient air temperature: 0 °C &lt; Amb temp &lt; 40 °C Altitude correction factor &gt; 0.69 After start timer for DMTL module &gt; 600 s Fuel level &lt; 85% Engine Coolant temperature &gt; 70 °C Battery voltage - 10.5 v &lt; Ubat &lt; 16 v Closed loop purge control active Vehicle speed - 15 km/h &lt; vsp &lt; 120 km/h Boosted purge pipe path not active"] --&gt; C2{Conditions met}          C1 -- Yes --&gt; P1{Powerstage terminal check}     P1 --&gt; P0458     P1 --&gt; P0459     P1 --&gt; P0444          C2 -- No --&gt; P1     C2 -- Yes --&gt; S1[Shut Purge valve]     S1 --&gt; D1[Determine Reference Current]     D1 --&gt; O1[Open DMTL Valve]     O1 --&gt; D2[Determine Idle current]     D2 --&gt; C3[Calculate Purge Reference and idle current difference]          C3 --&gt; M1[DMTL Reference Difference]     M1 --&gt; F1[Multiplicative factor]     F1 --&gt; C4{Purge difference &gt; DMTL difference}     C4 -- Yes CPV stuck open --&gt; P0496     </pre>

