



Figure 1

Illustration by Glen Beardard

PCM Duty Cycle Commands That Result in Fuel Pump "Off"

0-4%, 51-67%, 82.5-100%

The fuel pump is commanded off by the FPDM due to receiving one of these invalid signals from the PCM.

67.5-82%

The fuel pump is being commanded off by the PCM. This is a valid "off" signal. This is seen at KOEO after the first two-second fuel pump "burst on" and if the vehicle's theft deterrent system has been activated.

Note: Any duty cycle above 51% will result in the fuel pump being turned off. The difference is which module is turning it off and why. The yellow block represents signals that result in the FPDM commanding the pump off due to a communications problem with the PCM. The green block represents signals that result from the PCM commanding the pump off due to conditions the PCM "sees."

Figure 2