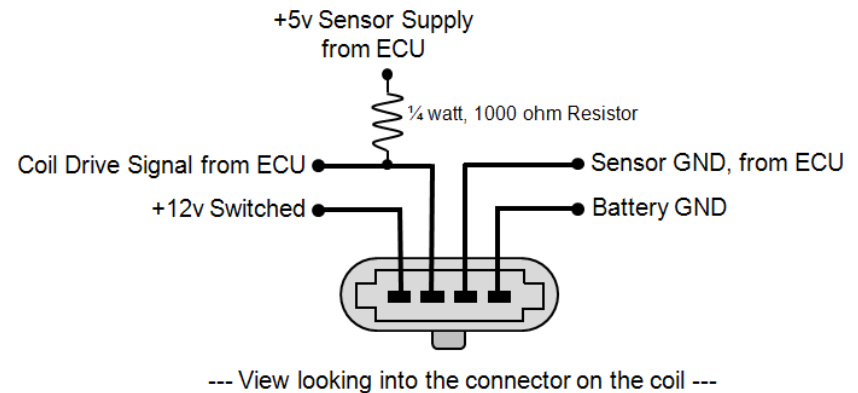


<b>Firmware/Software Version:</b>	PE3 V3.03.02 and higher
<b>Vehicle:</b>	Any using GM LS2 or LS9 coils
<b>Additional Notes:</b>	<p>This Application Note covers GM LS2 and LS9 'coil near plug' ignition coils. These coils are used on a variety of GM product family vehicles.</p> <p>This coil may require an external pull-up resistor to be added by the user to the wire harness in order to drive the coil.</p> <p>If using a PE3 ECU configured to drive 'smart coils' (i.e. PE3-8405) no external resistor is required.</p> <p>If using a PE3 ECU not configured for smart coils (i.e. PE3-8400), an external resistor for each coil is required.</p> <p>See wiring to the right.</p>



**Wiring Using Standard ECU (i.e. PE3-8400)**



Coil Configuration Details	
<b>Trigger Mode:</b>	External igniter. Must 'Enable External Coil Drivers' in the ignition tab of 'Setup Engine'
<b>Coil Charge Time:</b>	see chart below
<b>Special Features:</b>	May require an external 1000 ohm pull-up resistor. See wiring diagram to the right.

Voltage	LS2 Charge Time (ms)	LS9 Charge Time (ms)
8.0	10.0	5.5
10.0	6.5	4.2
12.0	4.8	3.1
14.0	4.0	2.6
16.0	3.2	2.0

**Wiring Using Smart Coil ECU (i.e. PE3-8405)**

