## Firmware/Software Version
PE3 V3.03.02 and higher

## Vehicle
Subaru, 4-cylinder, 2.5L, Coil on Plug

## Additional Notes
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.

If using a PE3 ECU configured to drive ‘smart coils’ (i.e. PE3-8405) no external resistor is required.

If using a PE3 ECU not configured for smart coils (i.e. PE3-8400), an external resistor for each coil is required.

See wiring to the right.

## Coil Configuration Details

<table>
<thead>
<tr>
<th>Trigger Mode</th>
<th>External igniter. Must ‘Enable External Coil Drivers’ in the ignition tab of ‘Setup Engine’</th>
</tr>
</thead>
</table>
| Coil Charge Time | 8.0 v 4.0 ms  
10.0 v 3.0 ms  
12.0 v 2.0 ms  
14.0 v 2.0 ms  
16.0 v 2.0 ms |
| Special Features | • May require an external 1000 ohm pull-up resistor.  
• If the coil charge time is greater than 2 ms and the engine speed is less than ~2500 RPM, this coil will fire multiple times per ignition event. This is controlled by internal coil electronics and not the ECU. |

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

- 12v Switched
- GND
- 1/4 watt, 1000 ohm Resistor
- Coil Drive Signal from ECU

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

- 12v Switched
- GND
- Coil Drive Signal from ECU

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**Disclaimer:** The information contained in this document is believed to be correct. It is up to the end user to verify the correct setup for his/her application. ---
Scratch.....

+12v Switched

GND

¼ watt, 1000 ohm Resistor

Coil Drive Signal from ECU

+12v Switched

GND

Coil Drive Signal from ECU

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