

P064200	Sensor reference voltage A circuit low (internal to engine control module (ECM))	<ul style="list-style-type: none"> <li>ECM circuits: short circuit to ground</li> <li>ECM circuits: open circuit</li> <li>ECM fault</li> </ul>	Check the ECM power supply and relay circuits. Refer to the electrical guides. Rectify as necessary. Clear the DTC. Cycle the ignition and retest. If the DTC resets suspect the ECM. Refer to the warranty policy and procedures manual if a module is suspect.
P064300	Sensor reference voltage A circuit low (internal to engine control module (ECM))	<ul style="list-style-type: none"> <li>ECM circuits: short circuit to power</li> <li>ECM fault</li> </ul>	Check the ECM power supply and relay circuits. Refer to the electrical guides. Rectify as necessary. Clear the DTC. Cycle the ignition and retest. If the DTC resets suspect the ECM. Refer to the warranty policy and procedures manual if a module is suspect.
P064523	Air conditioning (A/C) clutch relay control circuit - signal stuck low	<ul style="list-style-type: none"> <li>A/C clutch relay control circuit: short circuit to ground</li> <li>A/C clutch relay control circuit: open circuit</li> <li>A/C clutch relay fault</li> </ul>	Check A/C clutch relay and circuits. Refer to the electrical guides. Rectify as necessary. Clear the DTCs and test for normal operation.
P064524	Air conditioning (A/C) clutch relay control circuit - signal stuck high	<ul style="list-style-type: none"> <li>A/C clutch relay control circuit: short circuit to power</li> <li>A/C clutch relay control circuit: open circuit</li> <li>A/C clutch relay fault</li> </ul>	
P065116	Sensor reference voltage B circuit / open - circuit voltage below threshold	<ul style="list-style-type: none"> <li>Engine control module (ECM) fault</li> </ul>	Refer to the warranty policy and procedures manual if the ECM is suspect.
P065117	Sensor reference voltage B circuit / open -circuit voltage above threshold	<ul style="list-style-type: none"> <li>Engine control module (ECM) fault</li> </ul>	
P06662F	Engine control module (ECM) internal temperature sensor circuit -signal erratic	<ul style="list-style-type: none"> <li>ECM fault</li> </ul>	Check for related DTCs. Rectify as necessary. Clear the DTCs and test for normal operation. Refer to the warranty policy and procedures manual if a module is suspect.
P066621	Engine control module (ECM) internal temperature sensor circuit - signal amplitude less than minimum	<ul style="list-style-type: none"> <li>ECM fault</li> </ul>	
P066622	Engine control module (ECM) internal temperature sensor circuit - signal amplitude greater than maximum	<ul style="list-style-type: none"> <li>ECM fault</li> </ul>	
P068A00	Engine control module (ECM) power relay de-energized - too early	<ul style="list-style-type: none"> <li>ECM power relay: open circuit</li> <li>ECM power relay: short circuit to ground</li> </ul>	Check the ECM power relay power supply and relay circuits. Refer to the electrical guides. Rectify as necessary. Clear the DTC and test for normal operation.
P068B00	Engine control module (ECM) power relay de-energized - too late	<ul style="list-style-type: none"> <li>ECM power relay: open circuit</li> <li>ECM power relay: short circuit to ground</li> </ul>	
P068516	Engine control module (ECM) power relay control circuit/open - circuit voltage below threshold	<ul style="list-style-type: none"> <li>ECM fault</li> </ul>	Refer to the warranty policy and procedures manual if the ECM is suspect.
P068596	Engine control module (ECM) power relay control circuit/open - component internal failure	<ul style="list-style-type: none"> <li>ECM fault</li> </ul>	
P070464	Clutch switch input circuit - signal plausibility failure	<ul style="list-style-type: none"> <li>Clutch switch circuit: short circuit to ground</li> <li>Clutch switch fault</li> </ul>	Check the clutch switch and circuits. Refer to the electrical guides. Clear the DTCs and test for normal operation.
P110200	Mass air flow (MAF) sensor in range but lower than expected	<ul style="list-style-type: none"> <li>Intake air path fault</li> <li>MAF sensor</li> </ul>	