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## Tests 8 - 12

TEST	ACTION	APPLICABILITY
8	Turn the ignition off. Disconnect the PCM harness connector(s). Disconnect the ECM harness connector. Determine if a short to ground exists between the PCM (APPS) and Engine Block (Ground). Does a short to ground exist?  Yes → Repair the short to ground. Perform POWERTRAIN VERIFICATION TEST VER - 5.  No → Test Complete.	All
9	Turn the ignition off. Disconnect the PCM harness connector(s). Disconnect the ECM harness connector. Determine if a short to ground exists between the ECM (APPS) and engine block (ground). Does an short circuit exist?  Yes → Repair the short circuit. Perform POWERTRAIN VERIFICATION TEST VER - 5.  No → Go To 10	All
10	Turn the ignition off. Disconnect the PCM harness connector(s). Disconnect the ECM harness connector. Does an open circuit exist?  Yes → Repair the open circuit. Perform POWERTRAIN VERIFICATION TEST VER - 5.  No → Go To 11	All
11	Turn the ignition off. Disconnect the PCM harness connector(s). Turn the ignition on. Measure the voltage between PCM (APPS) circuit and ground. Is the voltage above 0.4 volts?  Yes → Test Complete.  No → Go To 12	All
12	Turn the ignition off. Disconnect the APPS harness connector. determine if a short to ground exists between the APPS signal circuit and ground. Is circuit shorted to ground?  Yes → Replace the ECM in accordance with the Service Information. Perform POWERTRAIN VERIFICATION TEST VER - 5.  No → Replace the APPS in accordance with the Service Information. Perform POWERTRAIN VERIFICATION TEST VER - 5.	All