

P1509, Replaced Idle Speed Control Motor Fixed It! 20**Complaint**

The customer states the check engine light is on.

Cause

Connected a scan tool and found code P1509 - Idle Control System Circuit Shorted. Performed a visual inspection of the idle air control motor and found no obvious faults. With the key on, engine off, connected a test light across the idle air control motor harness connector and used the scan tool to command the motor on. Observed the test light illuminated as the idle air control motor was commanded on, which indicated the motor harness operated properly. Used a set of fused jumper wires to apply voltage and ground to the idle air control motor, and found the motor was inoperative. The result of these tests verified the idle air control motor was faulty.

Correction

Replaced the idle air control motor, cleared codes, performed a road test and verified the vehicle operated properly. The check engine light did not illuminate and no fault codes returned.