



- 1) Power comes into ignition switch. (1)
 - 2) Switch has internal resistors that change voltage values depending on position. Changed voltage is read by PCM and sent to starter motor relay control coil circuit. (3)
 - 3) PCM checks TCC (4) to see if auto transmission is in Park or Neutral. In Manual trans vehicles, PCM sends voltage to clutch interlock switch and looks for return voltage.
 - 4) PCM sends reference voltage to TPS (5) to ensure foot is off gas.
 - 5) PCM provides ground (6) for control coil on starter motor relay.
 - 6) Contacts in starter motor relay close and power flows from fuse (7) through relay and down to starter solenoid (8)
- To Diagnose: Check fuses. Check for power coming out of ignition switch in START position. Check for ground at (6) when key in START. If no ground at (6), check reference voltage to TPS. Check power and ground to PCM.**