

# Electrical Troubleshooting

## Symptom-to-Component Chart

Number of D4 indicator light blinks while Service Check Connector is jumped.	D4 indicator light	Possible Cause	Symptom	Refer to page
1	Blinks	<ul style="list-style-type: none"> <li>• Disconnected lock-up control solenoid valve A connector</li> <li>• Short or open in lock-up control solenoid valve A wire</li> <li>• Faulty lock-up control solenoid valve A</li> </ul>	<ul style="list-style-type: none"> <li>• Lock-up clutch does not engage.</li> <li>• Lock-up clutch does not disengage.</li> <li>• Unstable idle speed.</li> </ul>	14-50
2	Blinks	<ul style="list-style-type: none"> <li>• Disconnected lock-up control solenoid valve B connector</li> <li>• Short or open in lock-up control solenoid valve B wire</li> <li>• Faulty lock-up control solenoid valve B</li> </ul>	<ul style="list-style-type: none"> <li>• Lock-up clutch does not engage.</li> </ul>	14-51
3	Blinks or OFF	<ul style="list-style-type: none"> <li>• Disconnected throttle angle sensor connector</li> <li>• Short or open in throttle angle sensor wire</li> <li>• Faulty throttle angle sensor</li> </ul>	<ul style="list-style-type: none"> <li>• Lock-up clutch does not engage.</li> </ul>	14-52
4	Blinks	<ul style="list-style-type: none"> <li>• Disconnected speed sensor connector</li> <li>• Short or open in speed sensor wire</li> <li>• Faulty speed sensor</li> </ul>	<ul style="list-style-type: none"> <li>• Lock-up clutch does not engage.</li> </ul>	14-53
5	Blinks	<ul style="list-style-type: none"> <li>• Short in shift position console switch wire</li> <li>• Faulty shift position console switch</li> </ul>	<ul style="list-style-type: none"> <li>• Fails to shift other than 2nd ↔ 4th gears.</li> <li>• Lock-up clutch does not engage.</li> </ul>	14-54
6	OFF	<ul style="list-style-type: none"> <li>• Disconnected shift position console switch connector</li> <li>• Open in shift position console switch wire</li> <li>• Faulty shift position console switch</li> </ul>	<ul style="list-style-type: none"> <li>• Fails to shift other than 2nd ↔ 4th gears.</li> <li>• Lock-up clutch does not engage.</li> <li>• Lock-up clutch engages and disengages alternately.</li> </ul>	14-56
7	Blinks	<ul style="list-style-type: none"> <li>• Disconnected shift control solenoid valve A connector</li> <li>• Short or open in shift control solenoid valve A wire</li> <li>• Faulty shift control solenoid valve A</li> </ul>	<ul style="list-style-type: none"> <li>• Fails to shift (between 1st ↔ 4th, 2nd ↔ 4th or 2nd ↔ 3rd gears only).</li> <li>• Fails to shift (stuck in 4th gear).</li> </ul>	14-58
8	Blinks	<ul style="list-style-type: none"> <li>• Disconnected shift control solenoid valve B connector</li> <li>• Short or open in shift control solenoid valve B wire</li> <li>• Faulty shift control solenoid valve B</li> </ul>	<ul style="list-style-type: none"> <li>• Fails to shift (stuck in 1st or 4th gears).</li> </ul>	14-59
9	Blinks	<ul style="list-style-type: none"> <li>• Disconnected NC speed sensor connector</li> <li>• Short or open in the NC speed sensor wire</li> <li>• Faulty NC speed sensor</li> </ul>	<ul style="list-style-type: none"> <li>• Lock-up clutch does not engage.</li> </ul>	14-60



Number of D4 indicator light blinks while Service Check Connector is jumped.	D4 indicator light	Possible Cause	Symptom	Refer to page
10	Blinks	<ul style="list-style-type: none"> <li>• Disconnected water temperature sensor connector</li> <li>• Short or open in the water temperature sensor wire</li> <li>• Faulty water temperature sensor</li> </ul>	• Lock-up clutch does not engage.	14-62
11	OFF	• Trouble in ECU	• Lock-up clutch does not engage.	14-63
14	OFF	• Trouble in ECU	• Transmission jerks hard when shifting.	14-64
15	OFF	<ul style="list-style-type: none"> <li>• Disconnected NM speed sensor connector</li> <li>• Short or open in NM speed sensor wire</li> <li>• Faulty NM speed sensor</li> </ul>	• Transmission jerks hard when shifting.	14-65
16	Blinks	<ul style="list-style-type: none"> <li>• Disconnected linear solenoid connector</li> <li>• Short or open in linear solenoid wire</li> <li>• Faulty linear solenoid</li> </ul>	<ul style="list-style-type: none"> <li>• Transmission jerks hard when shifting.</li> <li>• Lock-up clutch does not engage.</li> </ul>	14-68
17	OFF	<ul style="list-style-type: none"> <li>• Short in kick-down switch wire</li> <li>• Faulty kick-down switch</li> </ul>	• 4th → 2nd kick-down speed is low.	14-69

If the self-diagnosis **D4** indicator light does not blink, perform an inspection according to the table listed below.

Symptom	Probable Cause	Ref. page
D4 indicator light does not come on for 2 seconds after ignition is first turned on.	—	14-70
D4 indicator light is on steady, not blinking whenever the ignition is on.	—	14-72
Transmission does not kick-down when the kick-down switch is on.	Check kick-down switch signal.	14-69

- If a customer describes the symptoms for codes 3, 6, 11 or 17, yet the **D4** indicator light is not blinking, it will be necessary to recreate the symptom by test driving, and then checking the **D4** indicator light with the ignition still ON.
- If the **D4** indicator light displays codes 1, 2, 3, 7, 8, or 16, check first the No. 31, 25, 5 and 22 fuse before electrical troubleshooting. If any of the fuses have blown, repair them and then recheck.
- If the **D4** indicator light displays codes other than those listed above or stays lit continuously, the ECU is faulty.
- Sometimes the **D4** indicator light and the Check Engine light may come on simultaneously. If so, check the PGM-FI system according to the number of blinks on the PGM-FI self-diagnosing indicator, then reset the memory by removing the No.15: ACG(s) fuse in the under dash fuse box for more than 10 seconds. Drive the vehicle for several minutes at speeds over 30 mph (50 Km/h), then recheck the lights.