

# Symptom-to-Component Chart

## Electrical System

Diagnostic Trouble Code (DTC)*	D indicator	Symptom	Possible Cause	Refer to Page
P0743 (1)	Blinks	<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>	<ul style="list-style-type: none"> <li>Disconnected torque converter clutch (lock-up control) solenoid valve A connector</li> <li>Short or open in torque converter clutch (lock-up control) solenoid valve A wire</li> <li>Faulty torque converter clutch (lock-up control) solenoid valve A</li> </ul>	14-5 in this supplement
P2756 (2)	Blinks	<ul style="list-style-type: none"> <li>Lock-up clutch does not engage.</li> </ul>	<ul style="list-style-type: none"> <li>Disconnected torque converter clutch (lock-up control) solenoid valve B connector</li> <li>Short or open in torque converter clutch (lock-up control) solenoid valve B wire</li> <li>Faulty torque converter clutch (lock-up control) solenoid valve B</li> </ul>	14-7 in this supplement
P1790 (3)	Blinks or OFF	<ul style="list-style-type: none"> <li>Lock-up clutch does not engage.</li> </ul>	<ul style="list-style-type: none"> <li>Disconnected throttle position (TP) sensor connector</li> <li>Short or open in TP sensor wire</li> <li>Faulty TP sensor</li> </ul>	H-60 (61SL006)
P0502 (4)	Blinks	<ul style="list-style-type: none"> <li>Lock-up clutch does not engage.</li> </ul>	<ul style="list-style-type: none"> <li>Disconnected vehicle speed sensor (VSS) connector</li> <li>Short or open in VSS wire</li> <li>Faulty VSS</li> </ul>	14-9 in this supplement
P0501 (4)	Blinks	<ul style="list-style-type: none"> <li>Lock-up clutch does not engage.</li> </ul>	<ul style="list-style-type: none"> <li>Disconnected vehicle speed sensor (VSS) connector</li> <li>Short or open in VSS wire</li> <li>Faulty VSS</li> </ul>	14-10 in this supplement
P0705 (5)	Blinks	<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>	<ul style="list-style-type: none"> <li>Short in transmission range (A/T gear position) switch wire</li> <li>Faulty transmission range (A/T gear position) switch</li> </ul>	14-11 in this supplement
P0706 (6)	OFF	<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>	<ul style="list-style-type: none"> <li>Disconnected transmission range (A/T gear position) switch connector</li> <li>Open in transmission range (A/T gear position) switch wire</li> <li>Faulty transmission range (A/T gear position) switch</li> </ul>	14-13 in this supplement
P0753 (7)	Blinks	<ul style="list-style-type: none"> <li>Fails to shift (between 1st – 4th, 2nd – 4th or 2nd – 3rd gear only).</li> <li>Fails to shift (stuck in 4th gear).</li> </ul>	<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>	14-14 (61SL007)
P0758 (8)	Blinks	<ul style="list-style-type: none"> <li>Fails to shift (stuck in 1st or 4th gears).</li> </ul>	<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>	14-16 (61SL007)
P0722 (9)	Blinks	<ul style="list-style-type: none"> <li>Lock-up clutch does not engage.</li> </ul>	<ul style="list-style-type: none"> <li>Disconnected output shaft (countershaft) speed sensor connector</li> <li>Short or open in output shaft (countershaft) speed sensor wire</li> <li>Faulty output shaft (countershaft) speed sensor</li> </ul>	14-15 in this supplement

(DTC)\*: The DTC in parentheses is the code the D indicator indicates when the SCS service connector is connected, or the SCS line is jumped with the HDS.



Diagnostic Trouble Code (DTC)*	D indicator	Symptom	Possible Cause	Refer to Page
P0721 (9)	Blinks	<ul style="list-style-type: none"> <li>Lock-up clutch does not engage.</li> </ul>	<ul style="list-style-type: none"> <li>Disconnected output shaft (countershaft) speed sensor connector</li> <li>Short or open in output shaft (countershaft) speed sensor wire</li> <li>Faulty output shaft (countershaft) speed sensor</li> </ul>	14-16 in this supplement
P1792 (10)	Blinks	<ul style="list-style-type: none"> <li>Lock-up clutch does not engage.</li> </ul>	<ul style="list-style-type: none"> <li>Disconnected engine coolant temperature (ECT) sensor connector</li> <li>Short or open in ECT sensor wire</li> <li>Faulty ECT sensor</li> </ul>	14-71 (61SL006)
P0725 (11)	OFF	<ul style="list-style-type: none"> <li>Lock-up clutch does not engage.</li> </ul>	<ul style="list-style-type: none"> <li>Disconnected ignition coil connector</li> <li>Short or open in ignition coil wire</li> <li>Faulty ignition coil</li> </ul>	14-72 (61SL006)
P1793 (12)	Blinks	<ul style="list-style-type: none"> <li>No specific symptom appears.</li> </ul>	<ul style="list-style-type: none"> <li>Disconnected manifold absolute pressure (MAP) sensor connector</li> <li>Short or open in MAP sensor wire</li> <li>Faulty MAP sensor</li> </ul>	14-73 (61SL006)
P0717 (15)	OFF	<ul style="list-style-type: none"> <li>Transmission jerks hard when shifting.</li> </ul>	<ul style="list-style-type: none"> <li>Disconnected input shaft (mainshaft) speed sensor connector</li> <li>Short or open in input shaft (mainshaft) speed sensor wire</li> <li>Faulty input shaft (mainshaft) speed sensor</li> </ul>	14-17 in this supplement
P0716 (15)	OFF	<ul style="list-style-type: none"> <li>Transmission jerks hard when shifting.</li> </ul>	<ul style="list-style-type: none"> <li>Disconnected input shaft (mainshaft) speed sensor connector</li> <li>Short or open in input shaft (mainshaft) speed sensor wire</li> <li>Faulty input shaft (mainshaft) speed sensor</li> </ul>	14-19 in this supplement
P0748 (16)	Blinks	<ul style="list-style-type: none"> <li>Transmission jerks hard when shifting.</li> <li>Lock-up clutch does not engage.</li> </ul>	<ul style="list-style-type: none"> <li>Disconnected linear solenoid connector</li> <li>Short or open in clutch pressure control solenoid valve (linear solenoid) wire</li> <li>Faulty linear solenoid</li> </ul>	14-21 in this supplement
P1788 (19)	Blinks	<ul style="list-style-type: none"> <li>Transmission jerks hard when shifting.</li> </ul>	<ul style="list-style-type: none"> <li>Short or open in ATSDLA (WHT/YEL) wire between A20 terminal and ECM</li> <li>Trouble in ECM</li> </ul>	14-77 (61SL006)
P1795 (20)	Blinks or OFF	<ul style="list-style-type: none"> <li>No specific symptom appears.</li> </ul>	<ul style="list-style-type: none"> <li>Short or open in AP sensor wire</li> <li>Faulty AP sensor</li> </ul>	14-79 (61SL006)
P1709 (24)	Blinks	<ul style="list-style-type: none"> <li>Transmission does not shift into sequential sportshift mode.</li> </ul>	<ul style="list-style-type: none"> <li>Disconnected transmission gear selection switch connector</li> <li>Short or open in transmission gear selection switch wire</li> <li>Faulty transmission gear selection switch</li> </ul>	14-4 (61SL009)
P0741 (40)	OFF	<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>	<ul style="list-style-type: none"> <li>Faulty lock-up control system</li> </ul>	14-22 in this supplement
P0730 (41)	OFF	<ul style="list-style-type: none"> <li>Fails to shift (between 1st – 2nd, 2nd – 4th or 2nd – 3rd gears only).</li> <li>Fails to shift (stuck in 1st or 4th gears).</li> </ul>	<ul style="list-style-type: none"> <li>Faulty shift control system</li> </ul>	14-20 (61SL007)

(DTC)\*: The DTC in parentheses is the code the D indicator indicates when the SCS service connector is connected, or the SCS line is jumped with the HDS.

# Symptom-to-Component Chart

## Electrical System (cont'd)

If the self-diagnostic D indicator does not blink, perform an inspection according to the table below.

Symptom	Inspection	Ref. page
D indicator does not come on for two seconds after ignition is first turned on.	_____	<a href="#">14-84</a> (61SL006)
D indicator is on constantly (not blinking) whenever the ignition is on.	_____	<a href="#">14-86</a> (61SL006)
Lock-up clutch does not have duty operation (ON ↔ OFF).	Check A/C signal with A/C on.	<a href="#">14-87</a> (61SL006)
Lock-up clutch does not engage.		
Shift lever cannot be moved from P position with the brake pedal pressed.	Check brake switch signal.	<a href="#">14-88</a> (61SL006)
The shift indicator does not indicate selected gear while the shift lever is in 3/M position.	Check shift switch LED signal.	<a href="#">14-91</a> (61SL006)

### NOTE:

- If a customer describes the symptom for code P1790 (3) or P1795 (20), yet the D indicator is not blinking, it will be necessary to recreate the symptom by test-driving, then recheck the DTC.
- Sometimes the D indicator and the Malfunction Indicator Lamp (MIL) may come on simultaneously. If so, check the PGM-FI system according to the DTC, then reset the memory by removing the CLOCK fuse in the under-dash fuse/relay box for more than 10 seconds. Drive the car for several minutes at a speed over 30 mph (50 km/h), then recheck the DTC.