

Symptom-to-Component Chart

Electrical System

Diagnostic Trouble Code (DTC)*	 indicator light	Symptom	Possible Cause	Refer to Page
P1753 (1)	Blinks	- Lock-up clutch does not engage. - Lock-up clutch does not disengage.	- Disconnected lock-up control solenoid valve A connector - Short or open in lock-up control solenoid valve A wire - Faulty lock-up control solenoid valve A	14-10
P1758 (2)	Blinks	Lock-up clutch does not engage.	- Disconnected lock-up control solenoid valve B connector - Short or open in lock-up control solenoid valve B wire - Faulty lock-up control solenoid valve B	14-12
P1790 (3)	Blinks or OFF	Lock-up clutch does not engage.	- Disconnected throttle position (TP) sensor connector - Short or open in TP sensor wire - Faulty TP sensor	61SL006 14-60
P1791 (4)	Blinks	Lock-up clutch does not engage.	- Disconnected vehicle speed sensor (VSS) connector - Short or open in VSS wire - Faulty VSS	61SL006 14-61
P1705 (5)	Blinks	- Fails to shift other than 2nd – 4th gears. - Lock-up clutch does not engage.	- Short in A/T gear position switch wire - Faulty A/T gear position switch	61SL006 14-62
P1706 (6)	OFF	- Fails to shift other than 2nd – 3rd – 4th gears. - Lock-up clutch does not engage.	- Disconnected A/T gear position switch connector - Open in A/T gear position switch wire - Faulty A/T gear position switch	61SL006 14-64
P0753 (7)	Blinks	Fails to shift (between 1st – 4th or 2nd – 3rd gear only).	- Disconnected shift control solenoid valve A connector - Short or open in shift control solenoid valve A wire - Faulty shift control solenoid valve A	14-14
P0758 (8)	Blinks	Fails to shift (stuck in 4th gear).	- Disconnected shift control solenoid valve B connector - Short or open in shift control solenoid valve B wire - Faulty shift control solenoid valve B	14-16
P0720 (9)	Blinks	Lock-up clutch does not engage.	- Disconnected countershaft speed sensor connector - Short or open in countershaft speed sensor wire - Faulty countershaft speed sensor	61SL006 14-70
P1792 (10)	Blinks	Lock-up clutch does not engage.	- Disconnected engine coolant temperature (ECT) sensor connector - Short or open in ECT sensor wire - Faulty ECT sensor	61SL006 14-71
P0725 (11)	OFF	Lock-up clutch does not engage.	- Disconnected ignition coil connector - Short or open in ignition coil wire - Faulty ignition coil	61SL006 14-72

(DTC)*: The DTCs in the parentheses are the numbers the  indicator light indicates when the service check connector is connected to the special tool (SCS service connector).



Diagnostic Trouble Code (DTC)*	indicator light	Symptom	Possible Cause	Refer to Page
P1793 (12)	Blinks	• No specific symptom appears.	• Disconnected manifold absolute pressure (MAP) sensor connector • Short or open in MAP sensor wire • Faulty MAP sensor	61SL006 14-73
P0715 (15)	Blinks	• Lock-up clutch does not engage.	• Disconnected mainshaft speed sensor connector • Short or open in mainshaft speed sensor wire • Faulty mainshaft speed sensor	61SL006 14-74
P1768 (16)	Blinks	• Fails to shift (stuck in 4th gear). • Lock-up clutch does not engage.	• Disconnected linear solenoid connector • Short or open in linear solenoid wire • Faulty linear solenoid • Open in PG wire or poor ground (G101)	14-18
P1788 (19)	Blinks	• No specific symptom appears.	• Short or open in ATSDLA (WHT/YEL) wire between A20 terminal and ECM • Trouble in ECM	61SL006 14-77
P1795 (20)	Blinks	• No specific symptom appears.	• Short or open in AP sensor wire • Faulty AP sensor	61SL006 14-79
P0740 (none)	OFF	• Lock-up clutch does not engage.	• Faulty lock-up control system	14-19
P0730 (none)	OFF	• Fails to shift (between 1st – 2nd, 1st – 2nd – 3rd, 1st – 2nd – 4th, 1st – 3rd – 4th and 2nd – 3rd – 4th gears only). • Fails to shift (stuck in 1st gear).	• Faulty shift control system	14-20

(DTC)*: The DTCs in the parentheses are the numbers the indicator light indicates when the service check connector is connected to the special tool (SCS service connector).

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

Symptom	Inspection	Ref. page
indicator light does not come on for two seconds after ignition is first turned ON (II).	_____	61SL006 14-84
indicator light is on constantly (not blinking) whenever the ignition is ON (II).	_____	61SL006 14-86
Lock-up clutch does not have duty operation (ON ↔ OFF).	Check A/C signal with A/C on.	61SL006 14-87
Lock-up clutch does not engage.		
Shift lever cannot be moved from position with the brake pedal depressed.	Check brake switch signal.	61SL006 14-88
Transmission does not shift up and down while the shift lever is in position.	Check shift switch signal.	61SL006 14-89
The shift indicator does not indicate selected gear while the shift lever is in position.	Check shift switch LED signal.	61SL006 14-91

NOTE:

- If a customer describes the symptom for code P1790 (3), yet the indicator light is not blinking, P1706 (6), or P0725 (11), it will be necessary to recreate the symptom by test-driving, then rechecking the DTC.
- Sometimes the indicator light 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 vehicle for several minutes at a speed over 30 mph (50 km/h), then recheck the DTC.