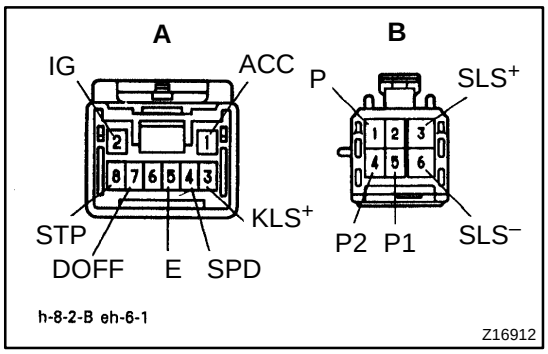
AT039–01



INSPECTION

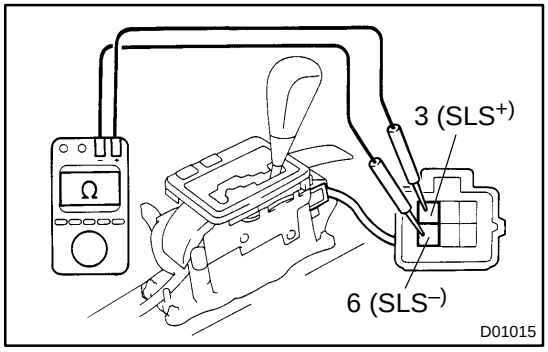
1. INSPECT SHIFT LOCK CONTROL ECU

Using a voltmeter, measure the voltage at each terminal.

HINT:

Do not disconnect the ECU connector.

Terminal	Measuring Condition	Voltage (V)
A, 1 – A, 5 (ACC – E)	IG SW ACC	10 – 14
A, 2 – A, 5 (IG – E)	IG SW ON	10 – 14
A, 8 – A, 5 (STP – E)	Depress brake pedal	10 – 14
A, 3 – A, 5 (KLS^+ – E)	(1) IG SW ACC and shift lever P position	Below 1.5
	(2) IG SW ON and shift lever R, N, D, 3, 2, L position	8.5 – 10.5
	(3) IG SW ON and shift lever R, N, D, 3, 2, L position (after 1 second)	7.0 – 8.5
A, 4 – A, 5 (SPD – E)	(1) IG SW ON, shift lever D or 3 position and vehicle speed more than 11 km/h (6.8 mph)	Below 2
	(2) IG SW ON, shift lever D or 3 position and vehicle speed less than 11 km/h (6.8 mph)	10 – 14
A, 7 – A, 5 (DOFF – E)	(1) IG SW ON and shift lever D, 3 position	10 – 14
	(2) IG SW ON and shift lever P, R, N, 2, L position	0
B, 3 – B, 6 (SLS^+ – SLS–)	(1) IG SW ON and shift lever P position	0
	(2) IG SW ON and depress brake pedal	8.8 – 12.5
	(3) IG SW ON and depress brake pedal (after 20 seconds)	6.5 – 9.2
	(4) IG SW ON and shift lever D, 3, 2, L position	0
B, 5 – B, 1 (P1 – P)	(1) IG SW ON and shift lever P position	0
	(2) IG SW ON and shift lever R, N, D, 3, 2, L position	10 – 14
B, 4 – B, 1 (P2 – P)	(1) IG SW ACC and shift lever P position	10 – 14
	(2) IG SW ACC and shift lever R, N, D, 3, 2, L position	0



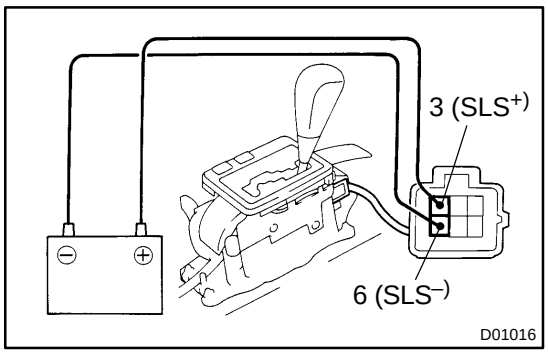
2. INSPECT SHIFT LOCK SOLENOID

(a) Disconnect the solenoid connector.

(b) Using an ohmmeter, measure the resistance between terminals 3 and 6.

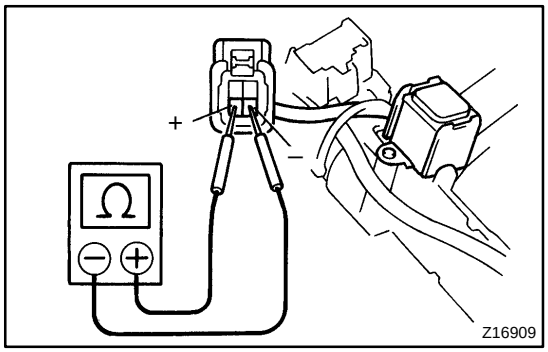
Standard resistance: 20 – 28 Ω

If the resistance is not as specified, replace the solenoid.



(c) Apply the battery voltage between terminals 3 and 6. At this time, confirm that the solenoid operates.

If the operation is not as specified, replace the solenoid.



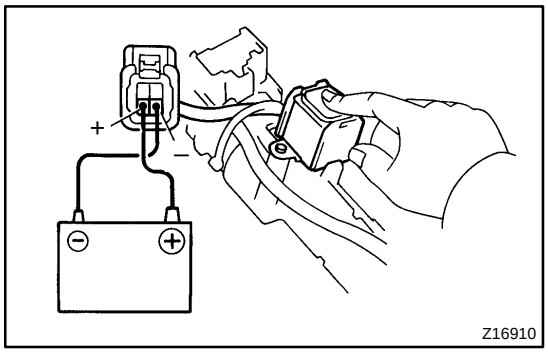
3. INSPECT KEY INTERLOCK SOLENOID

(a) Disconnect the solenoid connector.

(b) Using an ohmmeter, measure the resistance between terminals 3 and 4.

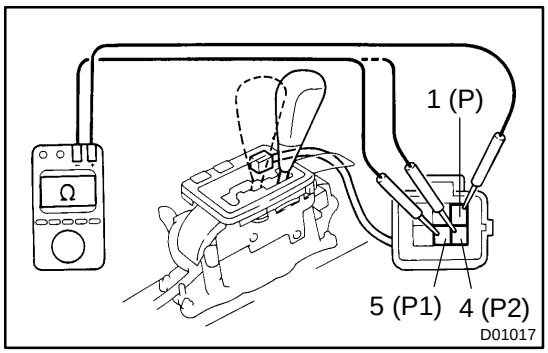
Standard resistance: 12 – 17 Ω

If the resistance value is not as specified, replace the solenoid.



(c) Touch the solenoid with your finger and check that the solenoid operation can be felt when battery voltage is applied intermittently to terminals 3 and 4.

If the operation is not as specified, replace the solenoid.



4. INSPECT SHIFT LOCK CONTROL SWITCH

Inspect that there is continuity between each terminal.

Shift position	Tester condition	Specified value
P position (Shift lever at left side)	5 – 1 (P1 – P)	Continuity
P position (Shift lever at right side)	5 – 1 (P1 – P) 4 – 1 (P2 – P)	Continuity
R, N, D, 3, 2, L position	4 – 1 (P2 – P)	Continuity

If the continuity is not as specified, replace the switch.