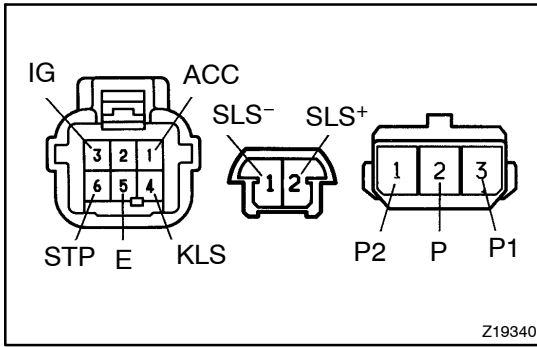




SHIFT LOCK SYSTEM INSPECTION

AT017-02

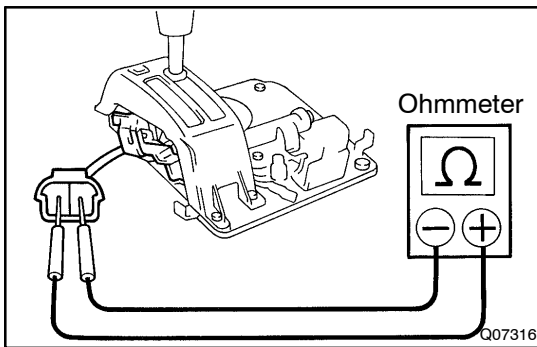
1. INSPECT SHIFT LOCK CONTROL ECU

Using a voltmeter, measure the voltage at each terminal.

HINT:

Do not disconnect the ECU connector.

Terminal	Measuring Condition	Voltage (V)
1 – 5 (ACC – E)	Ignition switch ACC	10 – 14
3 – 5 (IG – E)	Ignition switch ON	10 – 14
6 – 5 (STP – E)	Depressing brake pedal	10 – 14
4 – 5 (KLS – E)	2. Ignition switch ACC and P position	0
	3. Ignition switch ACC and except P position	10 – 14
	4. Ignition switch ACC and except P position (After approx. 1 second)	6 – 9
2 – 1 (SLS+ – SLS-)	5. Ignition switch ON and P position	0
	6. Depress brake pedal	8 – 13.5
	7. Depress brake pedal (After approx. 20 seconds)	5.5 – 9.5
	8. Shift except P position under conditions above	0
3 – 2 (P1 – P)	9. Ignition switch ON, P position and depress brake pedal	0
	10. Shift except P position under conditions above	9 – 13.5
1 – 2 (P2 – P)	11. Ignition switch ACC and P position	9 – 13.5
	12. Shift except P position under conditions above	0

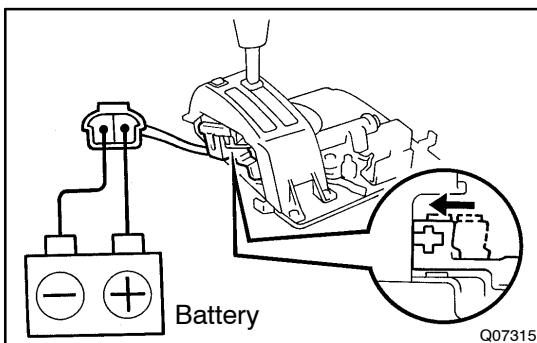


2. INSPECT SHIFT LOCK SOLENOID

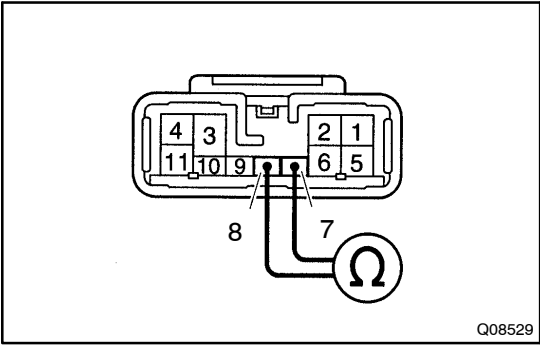
- Disconnect the solenoid connector.
- Using an ohmmeter, measure the resistance between terminals.

Standard resistance: 20 – 28 Ω

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



- Apply the battery positive voltage between terminals. Check that operation noise can be heard from the solenoid. If the solenoid does not operate, replace the solenoid.

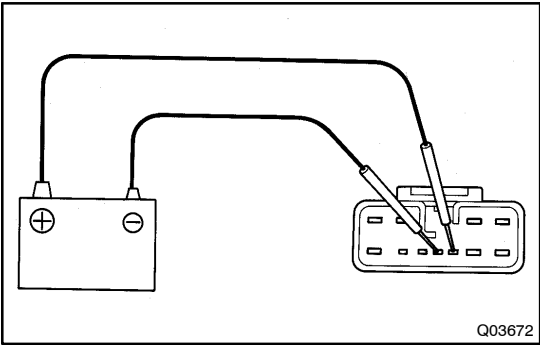


3. INSPECT KEY INTERLOCK SOLENOID

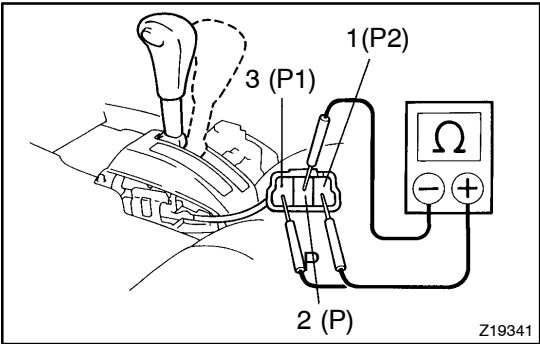
- (a) Disconnect the solenoid connector.
- (b) Using an ohmmeter, measure the resistance between terminals 7 and 8.

Standard resistance: 12 – 17 Ω

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



- (c) Apply battery positive voltage between terminals, Check that an operation noise can be heard from the solenoid. If the solenoid does not operated, replace the solenoid.



4. INSPECT SHIFT LOCK CONTROL SWITCH

Inspect that there is continuity between each terminal.

Shift position	Tester condition to terminal number	Specified value
P position (Release button is not pushed)	2 – 3 (P – P1)	Continuity
P position (Release button is pushed)	2 – 3 (P – P1) 2 – 1 (P – P2)	Continuity
R, N, D, 2, L position	2 – 1 (P – P2)	Continuity

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