

INSPECTION

1. Column shift:

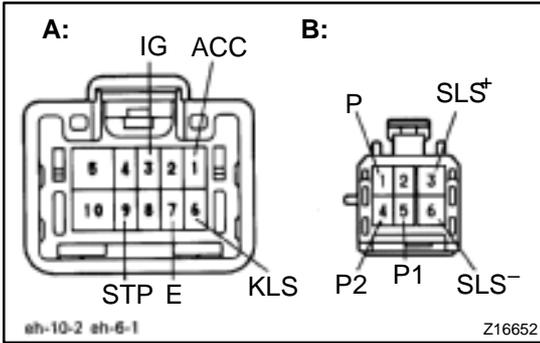
INSPECT SHIFT LOCK CONTROL ECU

Using a voltmeter, measure the voltage at each terminal.

HINT:

Do not disconnect the ECU connector.

Terminal (Symbols)	Measuring Condition	Voltage (V)
4 (ACC) – 5 (E)	IG SW ACC	10 – 14
3 (IG) – 5 (E)	IG SW ON	10 – 14
1 (STP) – 5 (E)	Depressing brake pedal	10 – 14
10 (KLS ⁺) – 5 (E)	1. IG SW ACC and P position	0
	2. IG SW ACC and except P position	10 – 14
	3. (After—approx. 1 second)	6 – 9
2 (SLS ⁺) – 5 (E)	1. IG SW ON and P position	0
	2. Depress brake pedal	8.5 – 13.5
	3. Except P position	0
7 (P1) – 5 (E)	1. IG SW ON, P position and depress brake pedal	0
	2. Shift except P position under condition above	9 – 13.5
8 (P2) – 5 (E)	1. IG SW ACC and P position	9 – 13.5
	2. Shift except P position under condition above	0



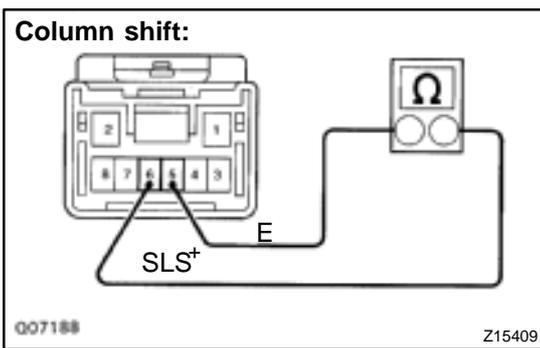
**2. Floor shift:
INSPECT SHIFT LOCK CONTROL ECU**

Using a voltmeter, measure the voltage at each terminal.

HINT:

Do not disconnect the ECU connector.

Terminal (Symbols)	Measuring Condition	Voltage (V)
A1 (ACC) – A7 (E)	Ignition switch ACC	10 – 14
A3 (IG) – A7 (E)	Ignition switch ON	10 – 14
A9 (STP) – A7 (E)	Depress brake pedal	10 – 14
A6 (KLS) – A7 (E)	1. Ignition switch ACC and P position	0
	2. R, N, D, 2, L position	7.5 – 11
	3. R, N, D, 2, L position (After—approx. 1 second)	6 – 9.5
B3 (SLS ⁺) – B6 (SLS ⁻)	1. Ignition switch ON and P position	0
	2. Depress brake pedal	8 – 13.5
	3. Depress brake pedal (After—approx. 20 seconds)	6 – 8.5
	4. R, N, D, 2, L position	0
B5 (P1) – B1 (P)	1. Ignition switch ON, P position and depress brake pedal	0
	2. R, N, D, 2, L position	9 – 13.5
B4 (P2) – B1 (P)	1. Ignition switch ACC and P position	9 – 13.5
	2. R, N, D, 2, L position	0

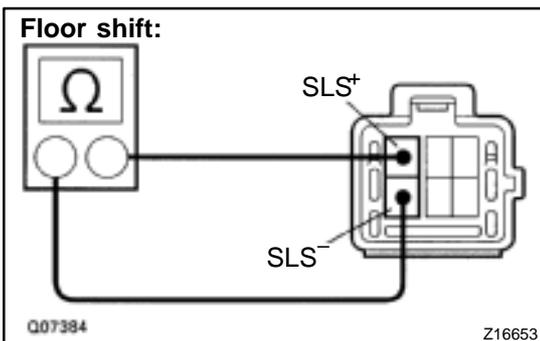


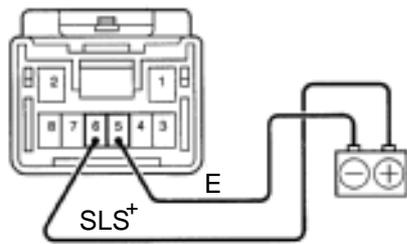
3. INSPECT SHIFT LOCK SOLENOID

- (a) Disconnect the solenoid connector.
- (b) Using an ohmmeter, measure the resistance at each terminal.

Standard resistance: 20 – 28 Ω

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

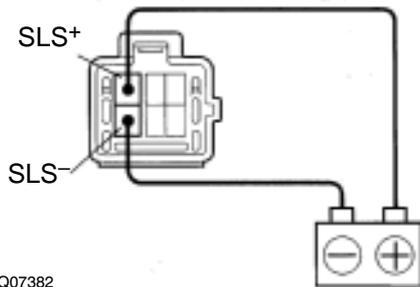


Column shift:

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- (c) Apply battery positive voltage at each terminal. At this time, check that the solenoid operates. If the solenoid does not operate, replace the solenoid.

Floor shift:

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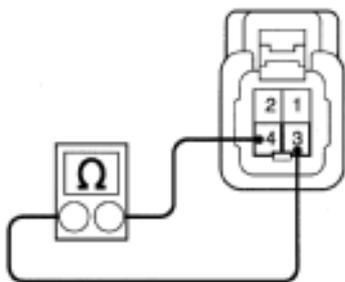
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4. INSPECT KEY INTERLOCK SOLENOID

- (a) Disconnect the solenoid connector.
 (b) Using an ohmmeter, measure the resistance between terminals 3 and 4.

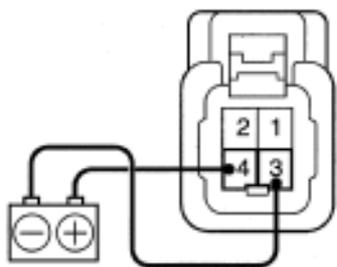
Standard resistance: 12 – 17 Ω

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

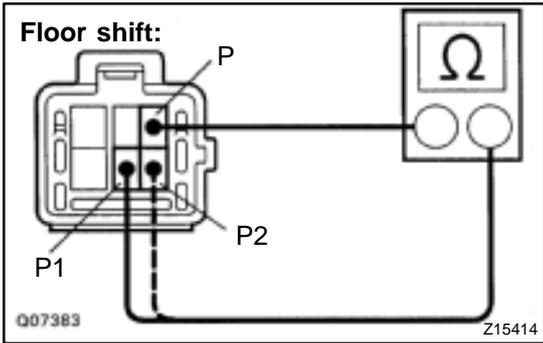
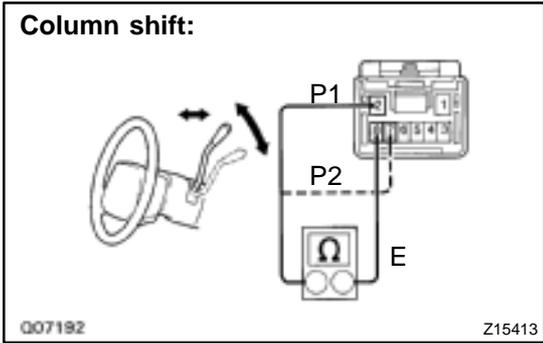


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- (c) Touch the solenoid with your finger and check that solenoid operation can be felt when battery positive voltage is applied intermittently to the terminals 1 and 2. If the solenoid does not operate, replace the solenoid.



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5. INSPECT SHIFT LOCK CONTROL SWITCH

Inspect that there is continuity between each terminal.

Shift position	Tester connection	Specified value
*1 P position	2 (P1) – 1 (P) or 8 (E)	Continuity
*2 P position	2 (P1) – 1 (P) or 8 (E) 7 (P2) – 1 (P) or 8 (E)	Continuity
R, N, D, 2, L position	7 (P2) – 1 (P) or 8 (E)	Continuity

*1: Floor shift release button is not pushed or column shift lever is not pulled.

*2: Floor shift release button is pushed or column shift lever is not pulled toward you.

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