**A340E:**

Back Side   Q08943



**A340F:**

Back Side   Q08944
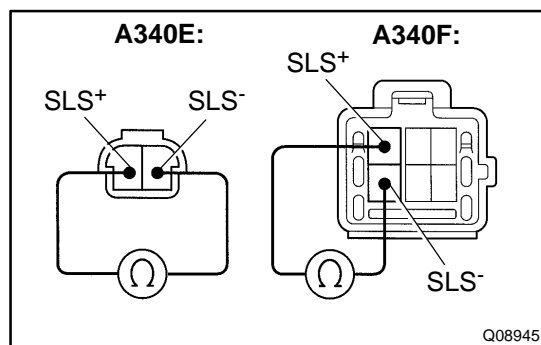
AT00I-04

# INSPECTION

## 1. INSPECT SHIFT LOCK CONTROL ECU

Using a voltmeter, measure voltage at each terminal.
HINT:
Do not disconnect the ECU connector.

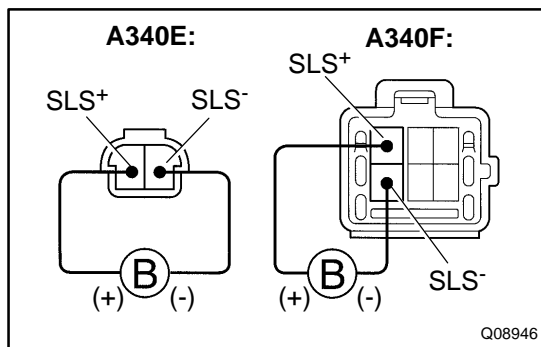| Terminal | Measuring Condition | Voltage (V) |
|---|---|---|
| ACC - E | Ignition switch ACC | 10 - 14 |
| IG - E | Ignition switch ON | 10 - 14 |
| STP - E | Depressing brake pedal | 10 - 14 |
| $KLS^+$ - E | (1) Ignition switch ACC and P position<br>(2) Ignition switch ACC and except P position<br>(3)　　(After approx. 1 second) | 0<br>7.5 - 11<br>6 - 9.5 |
| $SLS^+$ - $SLS^-$ | (1) Ignition switch ON and P position<br>(2) Depress brake pedal<br>(3)　　(After approx. 20 seconds)<br>(4) Shift except P position | 0<br>8 - 13.5<br>6 - 8.5<br>0 |
| P1 - P | (1) Ignition switch ON, P position and depress brake pedal<br>(2) Shift except P position under conditions above | 0<br>9 - 13.5 |
| P2 - P | (1) Ignition switch ACC and P position<br>(2) Shift except P position under conditions above | 9 - 13.5<br>0 |



**A340E:**　　　　**A340F:**

Q08945

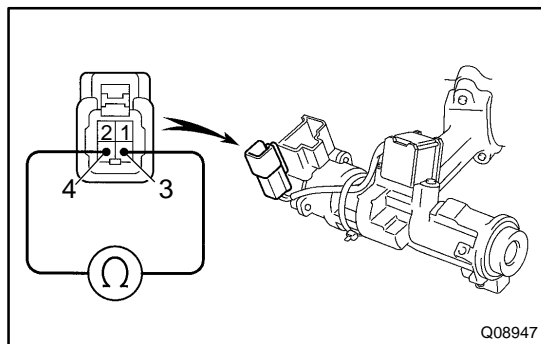## 2. INSPECT SHIFT LOCK SOLENOID

(a) Disconnect the solenoid connector.
(b) Using an ohmmeter, measure resistance between terminals.
**Standard resistance: 21 - 27 Ω**
If resistance value is not as specified, replace the solenoid.

2002 4RUNNER (RM887U)

A340E:    A340F:

SLS⁺    SLS⁻    SLS⁺

SLS⁻

(+) B (-)    (+) B (-)

Q08946

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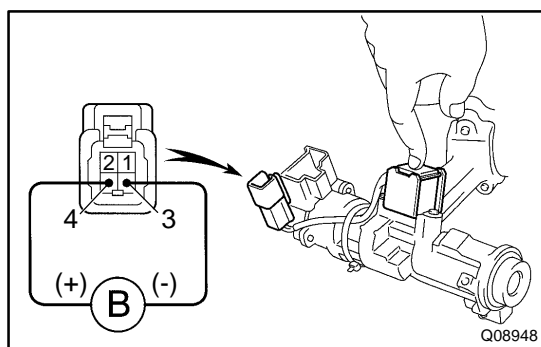If the solenoid dose not operate, replace the solenoid.
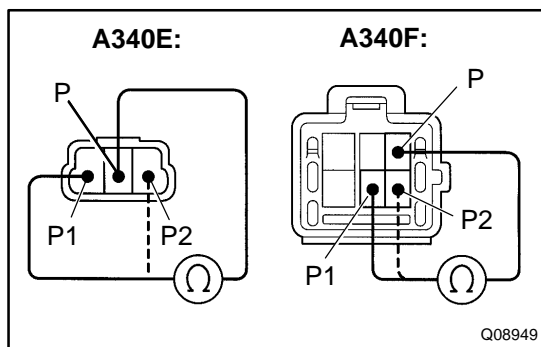


Q08947

### 3.    INSPECT KEY INTERLOCK SOLENOID
(a)    Disconnect the solenoid connector.
(b)    Using an ohmmeter, measure resistance between terminals.
   **Standard resistance: 12.5 - 16.5 $\Omega$**
If resistance valve is not as specified, replace the solenoid.



Q08948

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



A340E:    A340F:

P    P

P1    P2    P2

P1

Q08949

### 4.    INSPECT SHIFT LOCK CONTROL SWITCH
Inspect that continuity exists between at each terminal.

| Shift position | Tester condition to terminal number | Specified value |
|---|---|---|
| P position (Release button is not pushed) | P - P1 | Continuity |
| P position (Release button is pushed) | P - P1<br>P - P2 | Continuity |
| R, N, D, 2, L position | P - P2 | Continuity |

If continuity is not as specified, replace the switch.