AX0K9–01

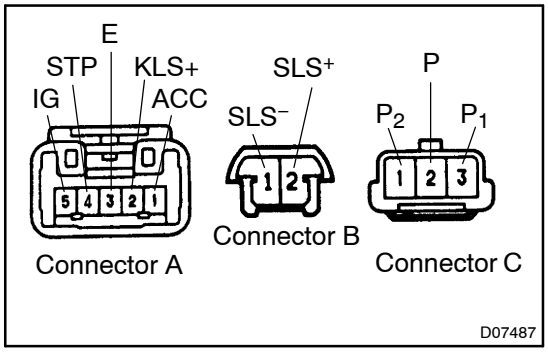
INSPECTION

1. INSPECT SHIFT LOCK CONTROL ECU

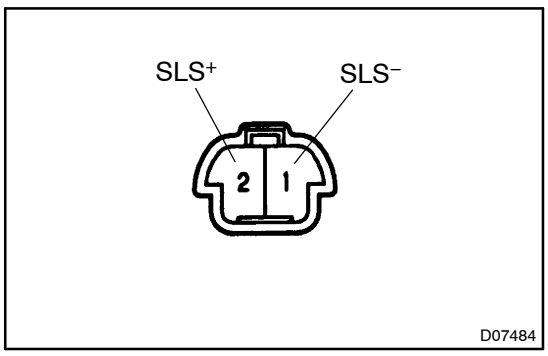
Using a voltmeter, measure voltage at each terminal.

HINT:

Do not disconnect the ECU connector.



Terminal	Measuring Condition	Voltage (V)
ACC (A – 1) – E (A – 3)	Ignition switch ACC	20 – 28
IG (A – 5) – E (A – 3)	Ignition switch ON	20 – 28
STP (A – 4) – E (A – 3)	Depressing brake pedal	20 – 28
KLS+ (A – 2) – E (A – 3)	1. Ignition switch ACC and P position 2. Ignition switch ACC and except P position 3. Ignition switch ACC and except P position (After approx. 1 second)	0 14 – 24 12 – 19
SLS+ (B – 2) – SLS– (B – 1)	1. Ignition switch ON and P position 2. Depress brake pedal 3. Except P position	0 18.5 – 27.5 0
P1 (C – 3) – P (C – 2)	1. Ignition switch ON, P position and depressing brake pedal 2. Shift except P position under conditions above	0 19 – 27.5
P2 (C – 1) – P (C – 2)	1. Ignition switch ACC, P position 2. Shift except P position under conditions above	19 – 27.5 0



2. INSPECT SHIFT LOCK SOLENOID

(a) Disconnect the solenoid connector.

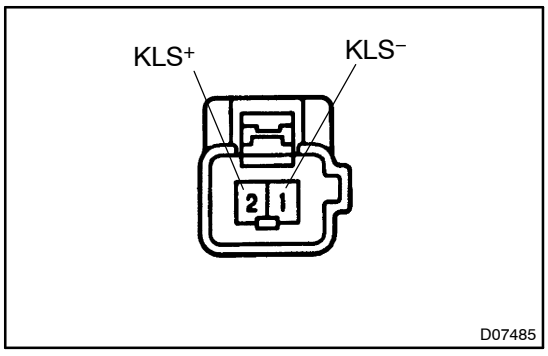
(b) Using an ohmmeter, measure resistance between terminals.

Standard resistance: 117 – 143 Ω

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

(c) Apply 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.

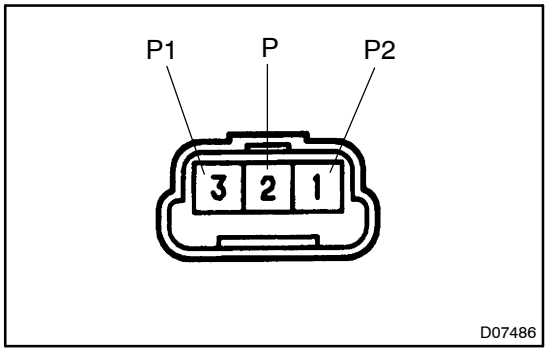
(b) Using an ohmmeter, measure resistance between terminals.

Standard resistance: 51.3 – 62.7 Ω

If 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 operate, replace the solenoid.



4. INSPECT SHIFT LOCK CONTROL SWITCH

Inspect that there is continuity between each terminal.

Shift position	Tester connection	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 continuity is not as specified, replace the switch.