

SHIFT LOCK SYSTEM (ATM)

4012A-02

ON-VEHICLE INSPECTION

1. CHECK SHIFT LOCK OPERATION

- Move the shift lever to the P position.
- Turn the ignition switch to the LOCK position.
- Check that the shift lever cannot be moved to any position other than P.
- Turn the ignition switch to the ON position, depress the brake pedal and check that the shift lever can be moved to another position.

If the operation cannot be done as specified, inspect the shift lock control unit.

2. CHECK SHIFT LOCK RELEASE BUTTON OPERATION

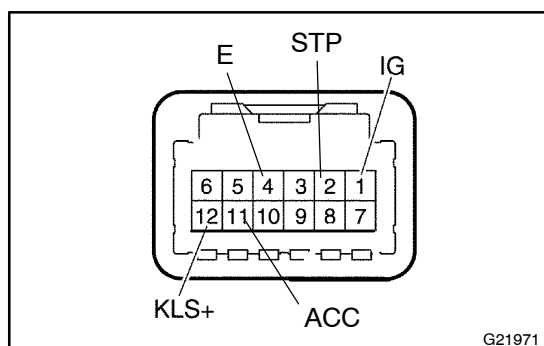
- Using a small screwdriver, remove the shift lock release cover.
- When operating the shift lever with the shift lock release button pressed, check that the lever can be moved to any position other than P.

If the operation cannot be done as specified, check the shift lever assy installation condition.

3. CHECK KEY INTERLOCK OPERATION

- Turn the ignition switch to the ON position.
- Depress the brake pedal and adjust the shift lever to any position other than P.
- Check that the ignition key cannot be turned to the LOCK position.
- Move the shift lever to the P position, turn the ignition key to the LOCK position and check that the ignition key can be removed.

If the operation cannot be done as specified, inspect the shift lock control unit.



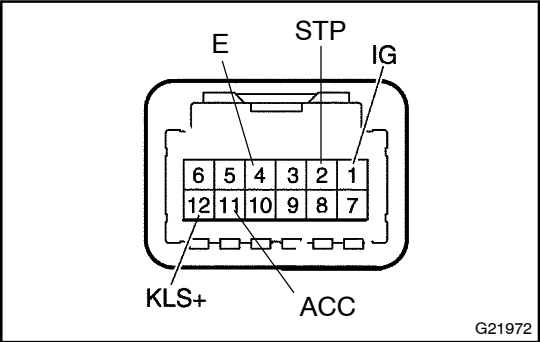
4. INSPECT SHIFT LOCK CONTROL UNIT ASSEMBLY

- Measure the voltage according to the values in the table below.

HINT:

Do not disconnect the shift lock control unit assembly connector.

Terminal	Measuring Condition	Voltage (V)
11 (ACC) - 4 (E)	Ignition switch ACC	10 to 14
11 (ACC) - 4 (E)	Ignition switch OFF	Below 1
2 (STP) - 4 (E)	Depress brake pedal	10 to 14
2 (STP) - 4 (E)	Release brake pedal	Below 1
12 (KLS+) - 4 (E)	6. Ignition switch ACC and shift lever P position	Below 1
	7. Ignition switch ACC and shift lever not in P position	7.5 to 11
	8. Ignition switch ACC and shift lever not in P position (After approx. 1 second)	6 to 9
1 (IG) - 4 (E)	Ignition switch ON	10 to 14
1 (IG) - 4 (E)	Ignition switch OFF	Below 1



(b) Measure the resistance according to the value in the table below.

HINT:

Do not disconnect the shift lock control unit assembly connector.

If the operation cannot be done as specified, replace the shift lever assy.

Terminal	Measuring Condition	Specified Value
4 (E) - Body ground	Constant	Below 1 Ω