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# STEERING LOCK CONTROL

## 1. SYSTEM CONTROL

(a) The steering lock system is integrated in the steering lock ECU, and the ECU controls the lock bar operation in the steering lock actuator assembly through the control of the lock/unlock motor.

(b) The steering lock ECU detects the position (lock/unlock) of the lock bar and transmits this information to the certification ECU.

(c) In this system, the certification ECU determines whether to lock and unlock the steering wheel based on communication with the steering lock ECU. Then, the certification ECU sends the lock or unlock command signals to the steering lock ECU through the LIN communication. Upon receiving the signals, the steering lock ECU operates the lock/unlock motor to lock or unlock the steering wheel.

**HINT:**

It is not possible to replace only the steering lock ECU in the steering lock actuator assembly. Therefore, if the ECU malfunctions, the entire steering lock actuator assembly must be replaced.