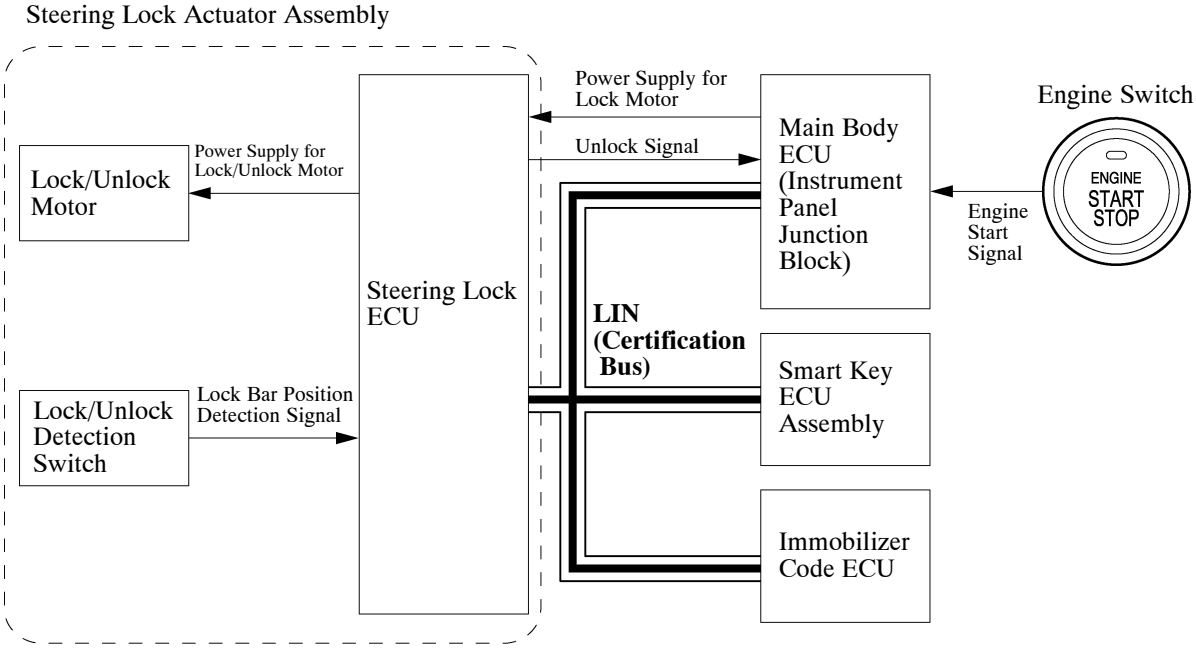
■STEERING LOCK SYSTEM

According with the use of the smart key system, the steering lock system uses a lock/unlock motor to lock and unlock the steering wheel. This system mainly consists of the steering lock actuator assembly, main body ECU (Instrument Panel Junction Block), smart key ECU assembly and immobilizer code ECU.

- The steering lock actuator assembly 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 lock/unlock motor.
- The steering lock ECU detects the position (lock/unlock) of the lock bar and transmits this information to the main body ECU (Instrument Panel Junction Block) and smart key ECU assembly.
- In this system, the smart key ECU assembly determines whether to lock or unlock the steering based on communication with the main body ECU (Instrument Panel Junction Block). Then, the smart key ECU assembly sends lock or unlock command signals to the steering lock ECU through the immobilizer code ECU. Upon receiving the signals, the steering lock ECU operates the lock/unlock motor to lock or unlock the steering. For details, see page BE-140.

▶ System Diagram ◀



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Service Tip

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.