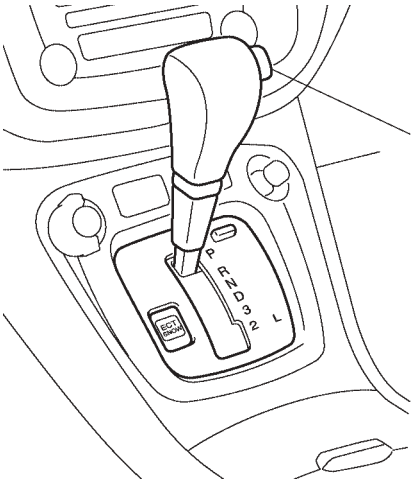
■SHIFT CONTROL MECHANISM

1. General

- The shift button must be pushed while sliding the shift lever, in order to prevent a shift down that is not intended by the driver.
- A shift lock system consists of the key interlock device and shift lock mechanism, has been adopted.



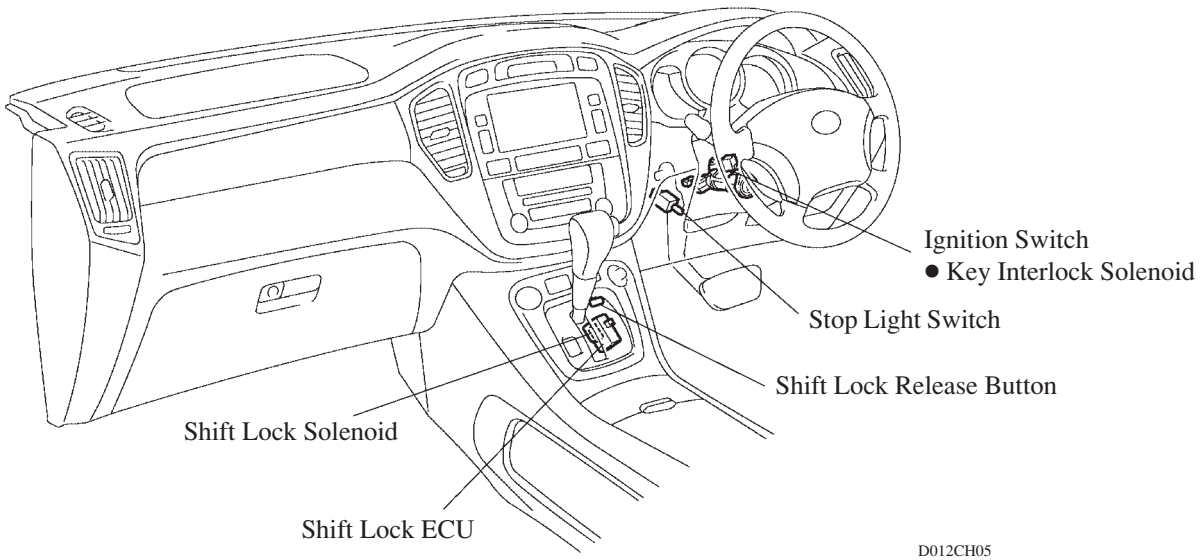
D012CH04

2. Shift Lock System

General

- The key interlock device prevents the key from being pulled out after the ignition switch is turned OFF, unless the shift lever is moved to the P position. Thus, the driver is urged to park the vehicle in the P position.
- The shift lock mechanism prevents the shift lever from being shifted to a position other than the P position, unless the ignition switch is ON and the brake pedal is pressed. It prevents the vehicle from starting off suddenly against the wish of the driver.

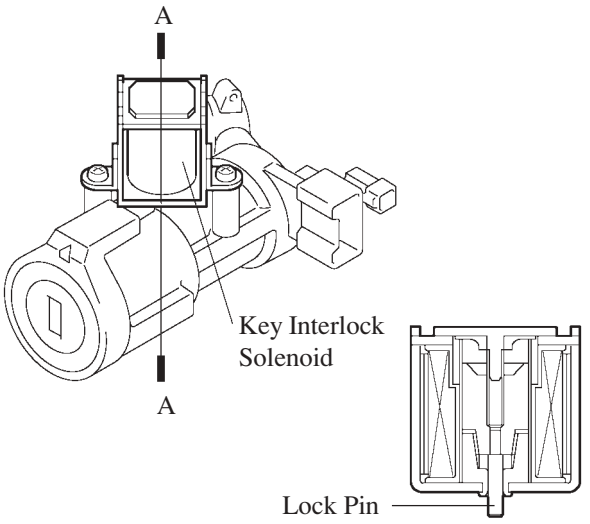
Layout of Main Components



D012CH05

Key Interlock Solenoid

The activation of the key interlock solenoid that is mounted on the upper column bracket moves the lock pin to restrict the movement of the key cylinder. Therefore, if the shift lever is shifted to any position other than "P", the ignition key cannot be moved from "ACC" to the "LOCK" position.



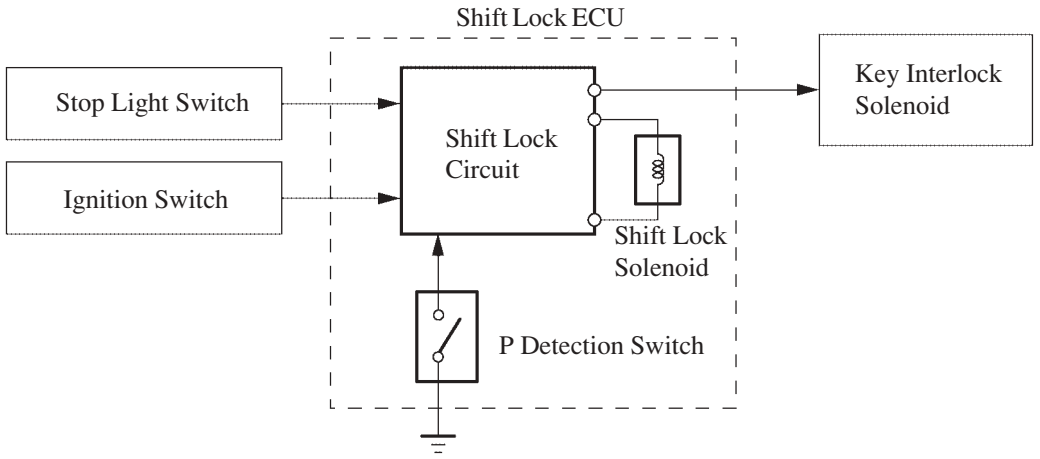
D012CH06

A – A Cross Section

System Operation

- The shift lock ECU uses the P detection switch to detect the shift lever position, and receives the inputs of the stop light switch and ignition switch signals. Upon receiving these signals, the shift lock ECU turns ON the key interlock solenoid and the shift lock solenoid in order to release the key interlock and shift lock.
- A shift lock override button, which manually overrides the shift lock mechanism, is provided.

▶ System Diagram ◀



232CH94