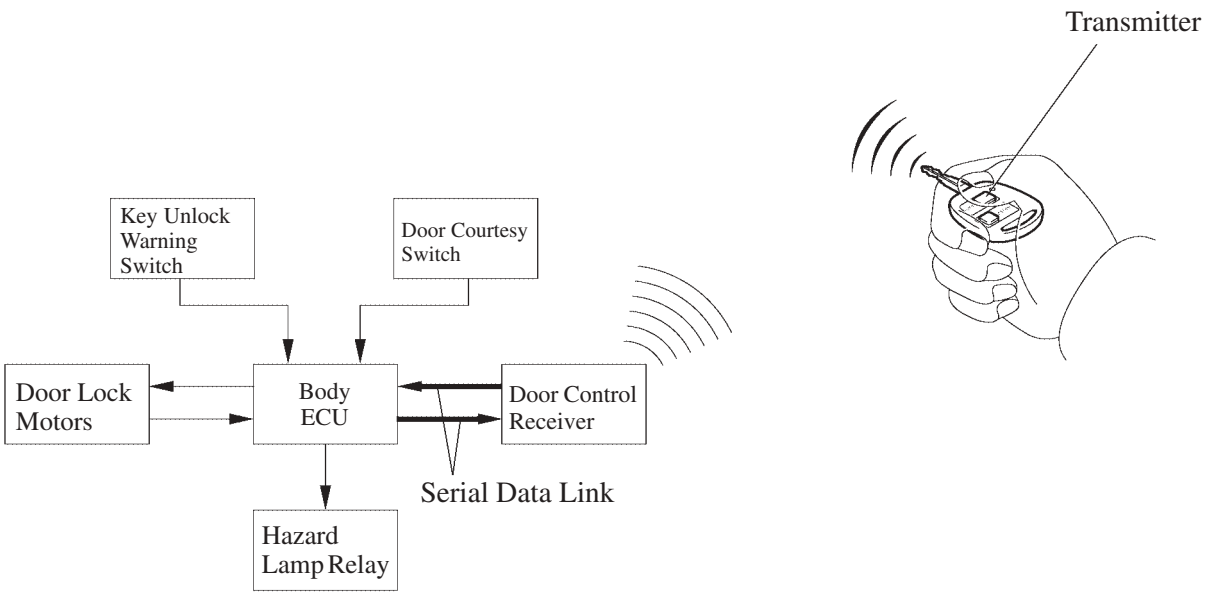
■ WIRELESS DOOR LOCK REMOTE CONTROL SYSTEM

1. General

The wireless door lock remote control system is a convenient system for locking and unlocking all the doors, at a distance. This system in the new CELICA has the following features:

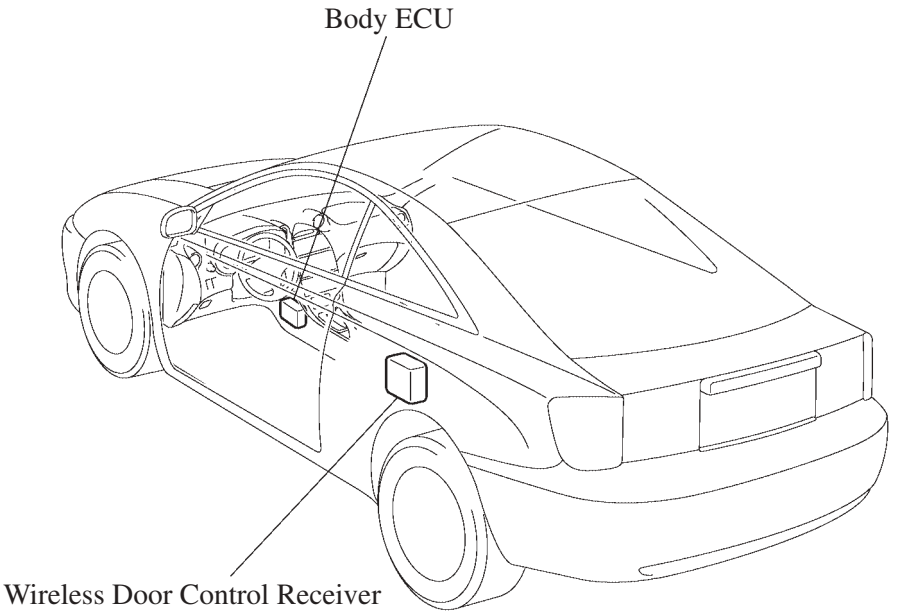
- In this system, the wireless door control receiver performs the code identification process and the body ECU effects the door lock control. Serial data link is provided for communication between the wireless door control receiver and the body ECU.
- A key-integrated, two-button (lock, unlock) type transmitter has been adopted.
- A rolling code system, in which the signal configuration changes each time when a signal is transmitted by the transmitter, has been adopted.
- The hazard light is flashed once when locking, and the hazard light is flashed twice when unlocking, to inform that the operation has been completed.

▶ System Diagram ◀



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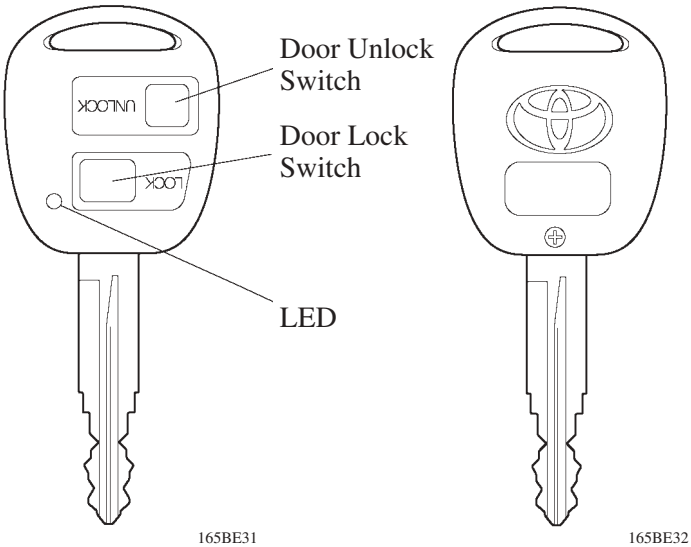
2. Layout of Main Components



3. Construction

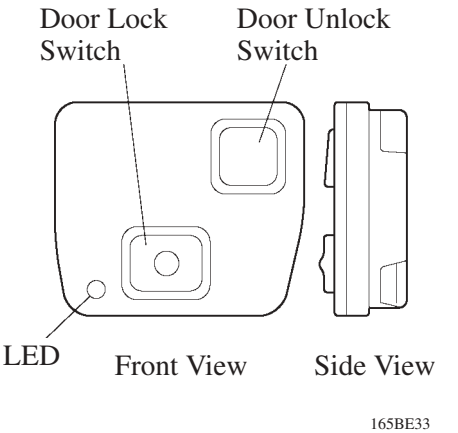
Transmitter

A key-integrated, two-button (lock, unlock) type transmitter has been adopted.
This transmitter is equipped with an LED display function to monitor the condition of the battery. Furthermore, its construction allows the key molded portion and the transmitter body to be separated completely for improved serviceability.



Front Side

Reverse Side



Transmitter Body

4. Function

The wireless door lock remote control system in the new CELICA has the following functions.

Function	Outline
All Doors Lock or Unlock Operation	Pressing the door lock switch or the door unlock switch locks or unlocks all the doors. The hazard light is flashed once when locking, and the hazard light is flashed twice when unlocking, to inform that the operation has been completed.
Auto Lock Function	If none of the doors are opened within 30 seconds after they are unlocked by the wireless door lock remote control, all the doors are locked again automatically.
Illuminated Entry Function	When all the doors are locked, pressing the “door unlock” switch causes the interior lights to illuminate simultaneously with the unlock operation.
Transmitter Switch Misoperation Prevention Function	When an ignition key is in the ignition key cylinder or any of the doors is not closed completely, the wireless door lock remote control is temporarily cancelled to prevent misoperation.
Security Function	Send an operation signal as a rolling code.
Repeat Function	If no changes occur in the lock condition when the door lock switch is pressed once, this function causes the body ECU to output a lock signal once again.
Transmitter Recognition Code Registration Function	Enables the registering (writing and storing) of 4 types of transmitter recognition code in the EEPROM that is contained in the door control receiver.

Transmitter Recognition Code Registration Function

The table below shows the 4 special coded ID registration function modes through which up to 4 different codes can be registered. The codes are electronically registered (written to and stored) in the EEPROM. For details of the recognition code registration procedure, refer to the CELICA Chassis & Body Repair Manual (Pub. No. RM734E) to register the codes correctly.

Mode	Function
Rewrite Mode	Erases all previously registered codes and registers only the newly received codes. This mode is used whenever a transmitter or the body ECU is replaced.
Add Mode	Adds a newly received code while preserving any previously registered codes. This mode is used when adding a new transmitter. If the number of codes exceeds 4, the oldest registered code is erased first.
Confirm Mode	Confirms how many codes are currently registered. When adding a new code, this mode is used to check how many codes already exist.
Prohibit Mode	To delete all the registered codes and to prohibit the wireless door lock function. This mode is used when the transmitter is lost.