

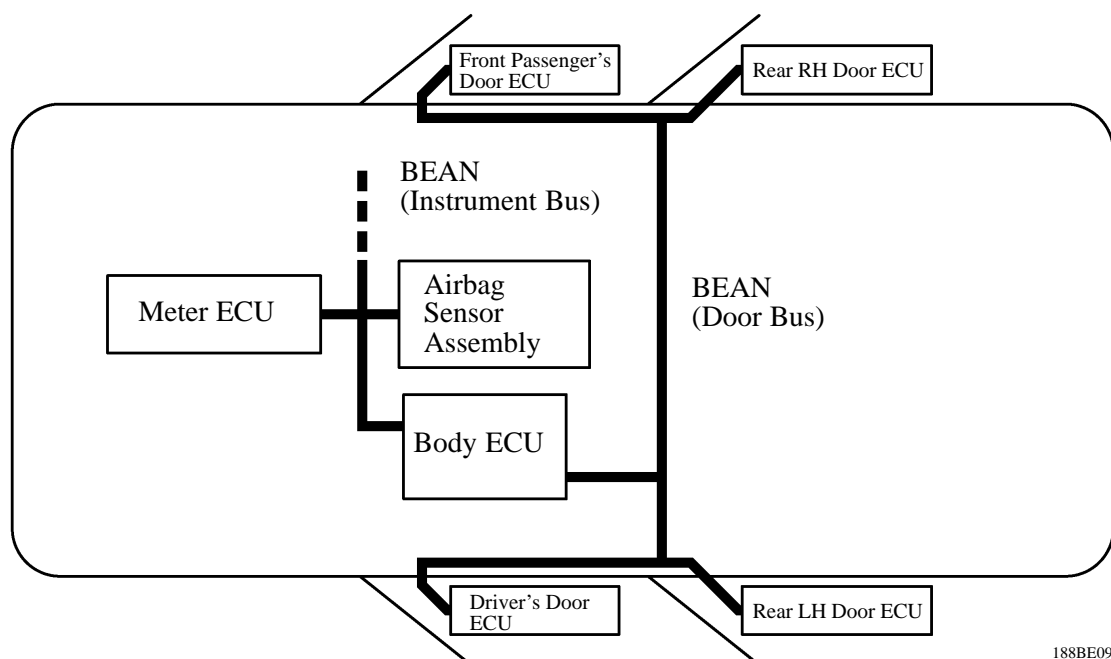
## ■ DOOR LOCK CONTROL SYSTEM

### 1. General

1

“Automatic door lock,” “One-motion door unlock” and “Collision door lock release” functions have been added to the door lock control system.

#### ► System Diagram ◀



### 2. Automatic Door Lock Function

#### General

“Shift-linked automatic door lock” function has been established as standard. Also, the selection of “Speed-sensitive automatic door lock” or “Shift and brake release-linked automatic door lock” function has become possible for the customized body electronics system using LEXUS hand-held tester.

#### Shift-linked Automatic Door Lock Function

When the conditions listed below are met consecutively, this function causes all the doors to be automatically locked.

- The ignition switch is turned from the “OFF” or “ACC” position to the “ON” position.
- All doors are closed.
- The shift lever is moved out of P position.

#### Speed-sensitive Automatic Door Lock Function

When the vehicle is being driven with any of the front or rear doors is unlocked at speeds higher than 20 km/h (13 mph), a signal is output by the body ECU to cause the ECUs of all doors to lock their doors.

**Shift and Brake Release-linked Automatic Door Lock Function**

When the conditions listed below are met consecutively, this function causes all the doors to be automatically locked.

- The ignition switch is turned from the “OFF” or “ACC” position to the “ON” position.
- All doors are closed.
- The shift lever is moved out of P position and the brake pedal is released for the first time.

**3. One-motion Door Unlock Function**

In addition to the door unlock function operated by the usual power door lock switch, the function which enables the driver to unlock the driver’s door by pulling the driver’s door inside knob has been adopted.

**4. Collision Door Lock Release Function**

During a collision, when the body ECU detects the signal that is output by the airbag sensor assembly, the body ECU outputs a control signal to all the door ECUs to unlock their doors a few seconds later. However, depending on the collision condition, there is a case where this function will not operate.