

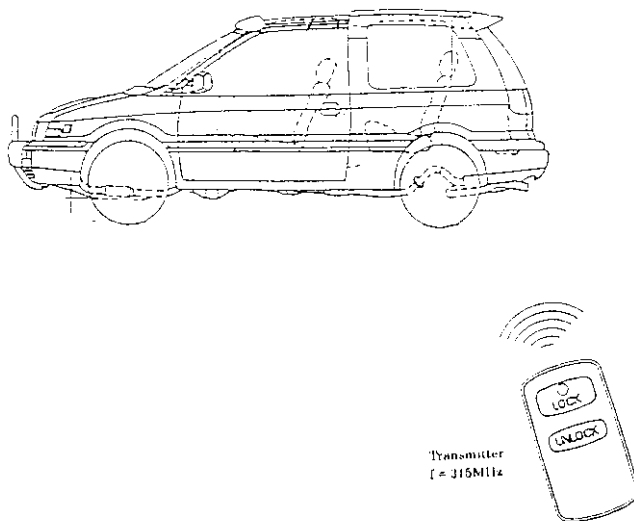
**SECTION 1**  
**GENERAL INFORMATION**

## 1.1 Product Description of EUT

### 1.1.1 Constitution of the Radio Frequency Keyless Entry System for vehicle

The radio frequency keyless entry is a system that it controls locking and unlocking the door by wireless remote controller. This system consists of two components. The TRANSMITTER is a device that transmits the signal when the button is pressed. The transmission signal consists of several synchronous codes, unique identification code, security code and function code. The RECEIVER is fixed inside the vehicle. It works intermittently to prevent the battery exhaustion. When the receiver detects the synchronous code, it runs continuously to receive the signals completely. After receiving the signal, the receiver decides which operation will be performed. The user can select the following operations by pressing the button of the remote transmitter.

| OPERATION | ACTION          |
|-----------|-----------------|
| LOCK      | lock the door   |
| UNLOCK    | unlock the door |



Receiver FCC ID:E4EG8CA has two model number, G8C-253M and G8D-254M. There is no difference of a keyless entry system between these receiver. The difference is the car body control. The following is explain the function of controller;

G8C-253M, G8C-254M is an integrated controller for a car body control, includes the keyless entry receiver. The integrated controller of the multiple control functions as follows, centralized door lock, turn-signal-lamp, room-lamp, intermitted wiper, power-window timer, ignition, autolight, warning buzzer and so on. These function have nothing to do with keyless entry. This document doesn't refer to the details the specification except the keyless entry.

### 1.1.2 Features

#### 1.1.2.1 Door lock control

The LOCK relay in the receiver drives the door lock actuators to "LOCK"-side when LOCK button of transmitter was pressed. The UNLOCK relay in the receiver drives the door lock actuators to "UNLOCK"-side when UNLOCK button of transmitter was pressed. These facility doesn't work if the key is inserted the key cylinder or the door is open.

#### 1.1.2.2 Automatic locking

The LOCK relay in the receiver drives the lock actuators to "LOCK"-side if the door has not opened within 30 seconds after UNLOCK button of transmitter was pressed. This facility helps accidental pressing the UNLOCK button such as the transmitter is a pocked.

#### 1.1.2.3 Battery saving

Because of the power source of the receiver is car battery, it is very important problem to minimize a power consumption. The receiver's CPU works intermittently to prevent the battery exhaustion.