1. Constitution of the Radio Frequency Keyless Entry System for vehicle

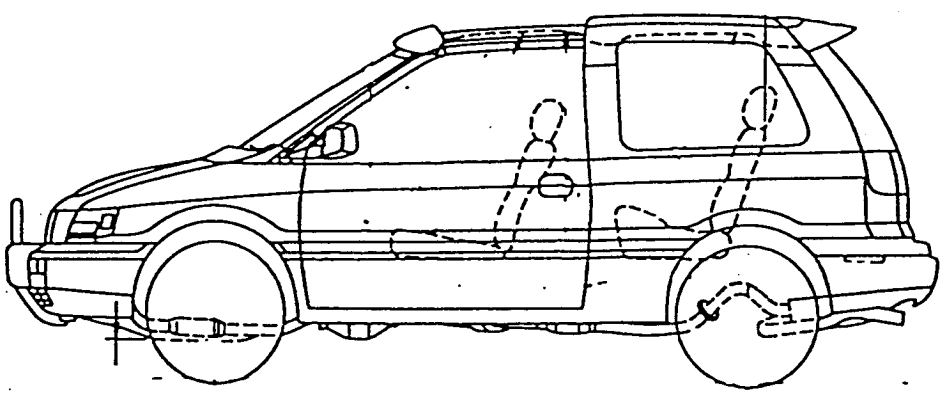
The radio frequency keyless entry is a system that it controls locking and unlocking the vehicle door and provides anti-theft protection using a wireless remote controller.

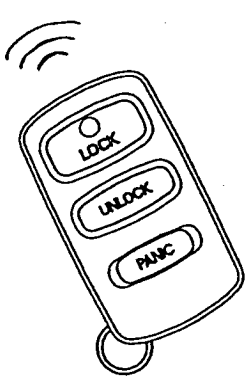
The system consists of two components. The TRANSMITTER is a device that transmits the signal when the button is pressed. The transmission signal consists of several synchronous codes, unique identification code, security code and function code. The RECEIVER is fixed inside the vehicle. It works intermittently 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 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
TRUNK	open the trunk
PANIC	vehicle is disarming will start sounding the horn and flushing the hazard lamp intermittently

Transmitter FCC ID:E4EG8D-522M-A has three model number. G8D-522M-A and G8D-523M-A and G8D-524M-A. The difference is operating buttons. G8D-522M-A has three buttons, LOCK and UNLOCK and PANIC. G8D-523M-A has two buttons, LOCK and UNLOCK. G8D-524M-A has four buttons, LOCK and UNLOCK, TRUNK, PANIC.





Transmitter
f = 315MHz