ACCESSORIES

■ AUTOMATIC DOOR SYSTEM

1. General

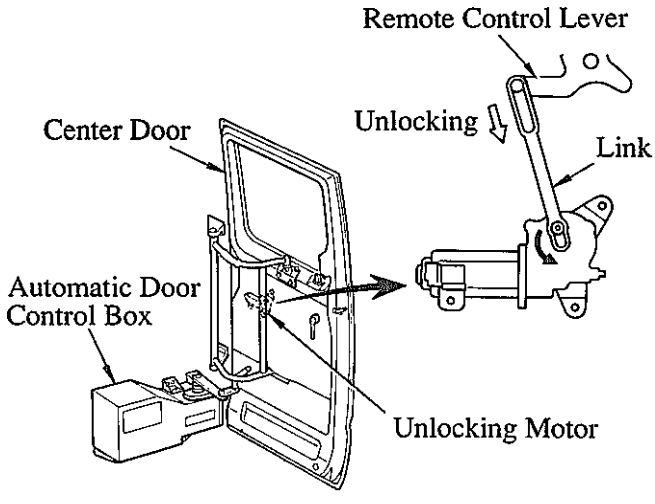
Either a folding or a glide type automatic door is used, in the same way as the previous model. The basic construction and operation of the automatic door system is the same as in the previous model, except for the following changes:

- The glide type center door's unlocking method has been changed from the conventional cable system to the motor system.
- The folding type automatic door is now equipped with the same warning buzzer as the glide type.

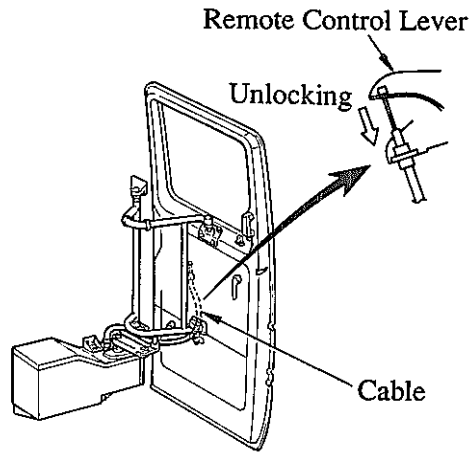
2. Construction and Operation

Center Door Lock Unlocking Mechanism (Glide Type)

The previous model used a cable unlocking system in which the cable, activated by the auto door regulator motor, pulled on the remote control lever to unlock the door. The new model uses a motor system in which a dedicated unlocking motor pulls on the remote control lever by way of a linkage.



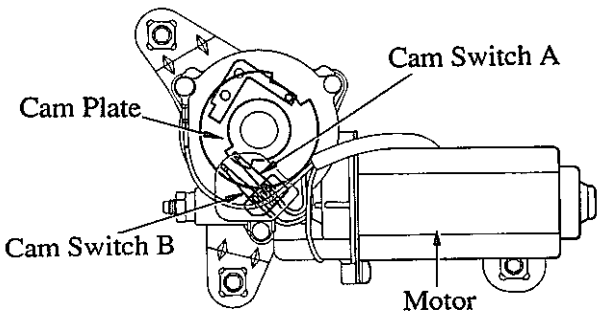
New (Motor System)



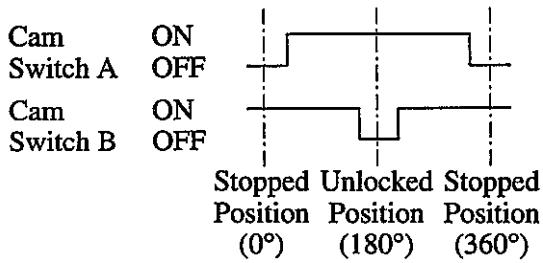
Previous (Cable System)

1) Unlocking Motor

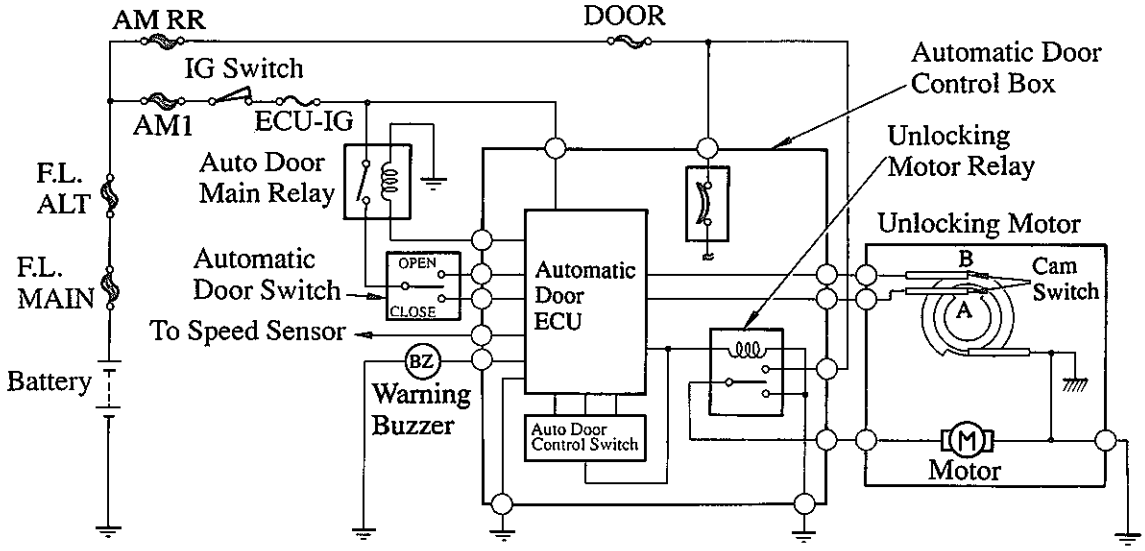
The cam plate, cam switch A (for stopped motor signal), and cam switch B (for unlocked signal) are enclosed inside the unlocking motor housing. The cam plate rotates a full 360° in conformity with the motor rotation. The automatic door ECU is able to control the function of the unlocking motor by way of the signals from switches A and B.



▶Cam Switch Operation◀

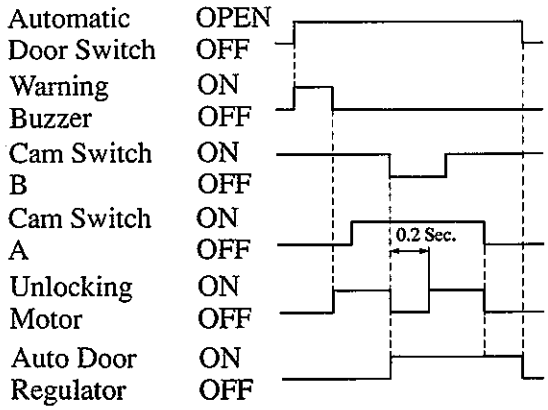


2) Wiring Diagram



3) System Operation

When the automatic door switch is turned to OPEN while the ignition switch is on and the mid-point limit switch (in the auto door control switch) is on, the automatic door ECU sounds the warning buzzer and activates the unlocking motor relay. This will activate the unlocking motor, causing the door lock to unlock. The cam switch B then disengages, causing the unlocking motor to stop temporarily, for 0.2 seconds. At the same time, the auto door regulator motor begins its operation. Although the automatic door ECU causes the unlocking motor to operate at this time, it will stop at the previous standby position, because the cam switch A will engage. The function of the center door itself is the same as that of the previous model.



Operation Mode

BE

Door Warning Buzzer

Located underneath the rear cross member, the door warning buzzer sounds for 0.6 seconds when the door is opened or closed by operation of the automatic door switch. The basic construction and operation of the door warning buzzer is the same as that found in the conventional glide type automatic door.

