



Driving Position Memory System (DPMS)

– How the Circuit Works

The power mirrors, driver's seat and steering column have a memory feature. The two outside mirror adjustments, the driver's three seat adjustments (back and forth, up and down, seat back angle) and the two steering column adjustments (extend and retract, and steering column angle) can be regulated separately. All of the adjustments can be memorized by pressing the MEMO button on the driving position memory switch, and then (within five seconds) pressing one of the two position buttons. If you press that same position button after the adjustments are memorized, the seat and the steering column will move to those memorized positions.

NOTE: Disconnecting the battery for more than 30 seconds will cancel the memorized positions.

The driving position memory system is controlled by three separate control units. The steering wheel position is controlled by the steering column control unit, the driver's seat position is controlled by the power seat control unit, and the outside mirror position is controlled by the power mirror control unit. The driving position memory switch is linked directly to the steering column control unit which relays the position switch commands to the power seat control unit and the power mirror control unit.

Each power mirror has two Hall-effect type sensors to detect the changes in voltage caused by the movements of the mirror. The power mirror control unit then stores the voltage changes for that mirror's position in its memory.

Each power seat motor has a reed switch sensor which sends a pulse to the power seat control unit when the motor rotates. The power seat control unit then stores the number of pulses for that seat position in its memory.

The steering column control unit uses variable resistor-type tilt sensors to detect the changes in voltage caused by the movements of the steering column. The steering column control unit then stores the voltage changes for that column position in its memory.

When you push one of the position buttons, the driving position memory switch commands the steering column control unit, power seat control unit, and the power mirror control unit to retrieve the corresponding steering wheel, power seat, and outside mirror positions. This function is disabled at speeds above 6 mph (10 km/h).

When you pull out the ignition key with the AUTO switch ON and the car parked, the steering column will automatically move to the highest tilt position and fully retracted position to ease your exit from the car.

Refer to the Service Manual (Section 23, Electrical) for specific tests and troubleshooting procedures.

