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2018 Chrysler Pacifica

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Description & Operation

DESCRIPTION AND OPERATION

DESCRIPTION

When equipped, the memory seat switch is located on the driver door trim panel. The driver seating position can be automatically adjusted for two different driver preference settings using the memory seat switch. The memory seat system is able to store and recall all driver power seat positions (fore/aft, tilt and recline), driver side power rear view mirror position and the power adjustable steering column position, when equipped. The memory system is also able to store and recall up to twenty radio station presets for two drivers (ten AM and ten FM). The memory system also will store and recall the last station listened to for each driver, even if it is not one of the twenty preset stations.

OPERATION

When one of the two driver memory seat switches is pressed, a resistance signal is sent to the Memory Seat Module (MSM) over the Controller Area Network (CAN) Interior High Speed (IHS) data bus. The MSM is responsible for the 12 volt Direct Current (DC) feed and ground path to the power seat motors.

The MSM receives the memory seat switch set and selection inputs through the CAN IHS bus circuit, along with input signals from the hall effect sensors in the driver side mirror and power adjustable steering column (when equipped), and hardwired input signals from the hall effect sensors mounted in each of the driver power seat motors. The programmed software in the module allow it to know where the driver seat, driver side mirror and power adjustable steering column (when equipped) are located in their designed travel, by the pulse count generated from each hall effect sensor. This way, when a memory switch is pressed, the MSM powers the driver seat, driver side mirror and power adjustable steering column (when equipped), until each correct preset location is achieved. The MSM will prevent seat memory recall function from being initiated if the transmission gear selector lever is not in the Park position or if the driver seat belt is latched. These inputs are monitored by the MSM over the CAN IHS bus.

- A memory setting is saved by pressing the “set” button, then pressing either the memory “1” or “2” button within five seconds of pressing the “set” button.
- A memory setting is recalled by pressing either the memory “1” or “2” button, or by pressing the unlock button on a “linked” Remote Keyless Entry (RKE) transmitter.

The memory seat switch is diagnosed using a scan tool (Refer to DTC-Based Diagnostics/MODULE, Memory Seat (MSMD) - Diagnosis and Testing)(Refer To List 1).

The memory seat switch cannot be adjusted or repaired and must be replaced if damaged or inoperative.

Refer To List:

List 1

- 28 - DTC-Based Diagnostics / MODULE, Memory Seat, Driver (MSMD) / Diagnosis and Testing
- 28 - DTC-Based Diagnostics / MODULE, Memory Seat, Passenger (MSMP) / Diagnosis and Testing