

Troubleshooting

Troubleshooting Guide

After completing the power and ground tests (see page [23-335](#)), select the flowchart(s) listed below for the symptom(s) you want to troubleshoot. If the symptom(s) are related to automatic adjusting, read first the explanation for the automatic adjustment modes on the next page .

NOTE:

- Make all voltage checks in the flowcharts with the connectors connected.
- Make all continuity checks in the flowcharts with the connectors disconnected.
- When backprobing, be careful not to cause shorts or damage wire insulation.
- Page [23-342](#) shows all control units and their connectors.
- In the flowcharts, "DPMS control unit" stands for "driving position memory system control unit", "PS control unit" stands for "power seat control unit", and "SC control unit" stands for "steering column control unit".
- All connector views in the flowcharts are from the wire side.

Symptom		Flowchart No.
Automatic Adjustments	Adjustment mode 1 doesn't work.	1
	Adjustment mode 2 doesn't work.	2
	Adjustment mode 3 doesn't work.	3
	Adjustment mode 4 doesn't work.	4
	Seat and steering column can't be automatically adjusted.	5
	Only the seat can't be automatically adjusted.	6
	Only the steering column can't be automatically adjusted.	7



Automatic Adjustment Modes

- Mode 1: When the ignition key is pulled out (ignition switch turned OFF) with the AUTO switch (in the steering column switch assembly) ON and the car parked (shift lever in **P**), the steering column will automatically move to the highest tilt position and the fully-retracted position to ease exit from the car.
- Mode 2: When the ignition key is inserted at the end of mode 1, without turning the ignition ON and with the car still parked, the steering column will return to the position it had before mode 1 began.
- Mode 3: When one of the position buttons is pressed (one touch) with the car parked (shift lever in **P**), the driver's door open, and the ignition key inserted, the seat and steering column will move to their memorized positions. (If the key is not inserted, only the seat will move.)
- Mode 4: When you press and hold one of the position buttons with the driver's door closed and the ignition key inserted, the seat and steering column will move to their memorized positions. (If the key is not inserted, only the seat will move.)

Symptom		Flowchart No.
Automatic Adjustments	Adjustment mode 3 works though the car is parked with the driver's door closed.	8
	Adjustment mode 3 doesn't work when the car is parked and the driver's door is open.	9
	Adjustment mode 3 works though the car is running with the driver's door open.	10
	Adjustment mode 1 works though the AUTO switch is OFF.	11
	Seat reclining doesn't stop at the reclining limit in adjustment modes 3 and 4.	12
	Automatic adjustment can't be stopped by pressing the power seat, steering column, MEMO, or a position switch.	13
	Automatic adjustment can't be stopped by pressing the power seat switch.	14
	Automatic adjustment can't be stopped by pressing the steering column switch.	15
	Automatic adjustment can't be stopped by pressing the MEMO switch or one of the position buttons.	16
	The steering column adjusts automatically though the ignition key is pulled out.	17
Manual Adjustments	The seat and steering column can't be manually adjusted.	18
	The seat can't be manually adjusted at all.	19
	The steering column can't be manually adjusted at all.	20
	The seat can't be adjusted with the slide switch.	21
	The seat can't be adjusted with the recline switch.	22
	The seat can't be adjusted with the front up-down switch.	23
	The seat can't be adjusted with the rear up-down switch.	24

(cont'd)

Troubleshooting

Troubleshooting Guide (cont'd)

Symptom		Flowchart No.
Manual Adjustments	The steering column can't be adjusted with the tilt switch.	25
	The steering column can't be adjusted with the extend-retract switch.	26
	The seat slide switch works only for about one second.	27
	The seat recline switch works only for about one second.	28
	The seat front up-down switch works only for about one second.	29
	The seat rear up-down switch works only for about one second.	30
	The steering column tilt switch works only for about one second.	31
	The steering column extend-retract switch works only for about one second.	32
Others	The driving position can't be stored at all.	33
	The driving position can't be stored with position button 1.	34
	The driving position can't be stored with position button 2.	35
	The steering column control unit buzzer doesn't sound.	36
	The position button indicators don't go on or don't blink.	37
	The glowing or blinking position button indicators don't go off when doing manual adjustments.	38
	The self-diagnostic function doesn't work.	39