

POWER SEAT SYSTEM

id091300262000

Outline

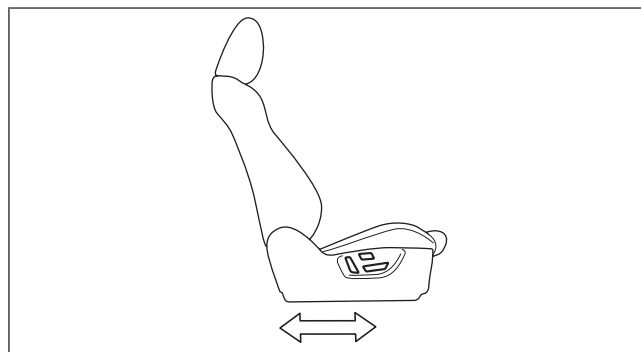
- The power seat system drives the electric motor, operates the front seat safely, and changes the driving posture to suit the occupant by operating the power seat switch.
- 8 way power seats have been adopted on the driver's seat.

Function

- The 8 way power seats are equipped with the following functions:
 - Slide mechanism
 - Recliner mechanism
 - Lift mechanism
 - Front tilt mechanism
 - Lumbar support mechanism

Slide mechanism

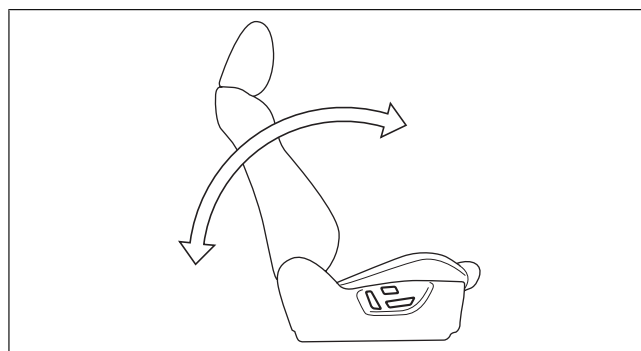
- The sliding function adjusts the front and back positions of the front seat.



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Recliner mechanism

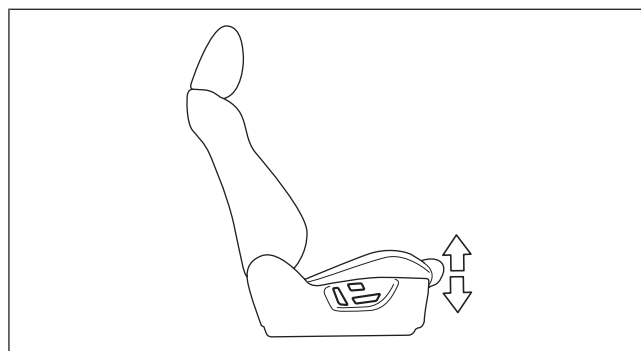
- The recliner function adjusts the angle of the front seat back.



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Front tilt mechanism

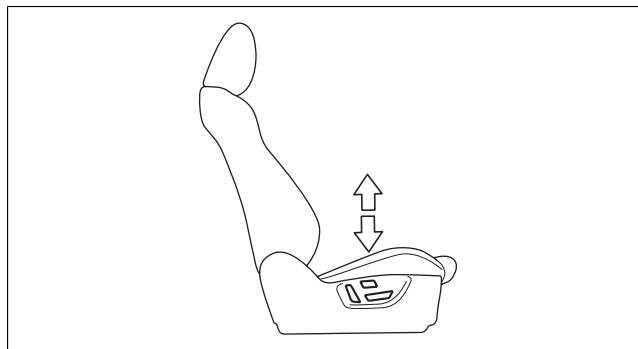
- The front tilt function adjusts the height of the front part of the front seat cushion.



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Lift mechanism

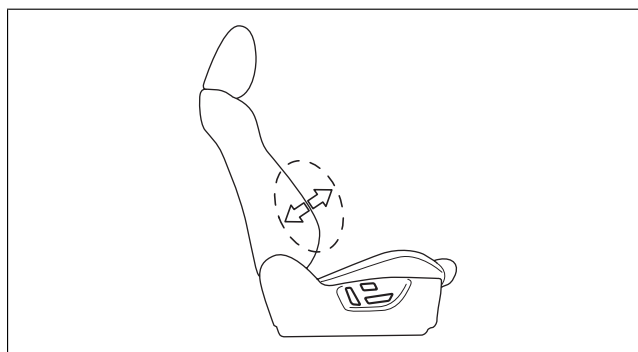
- The lift function adjusts the height of the front seat.



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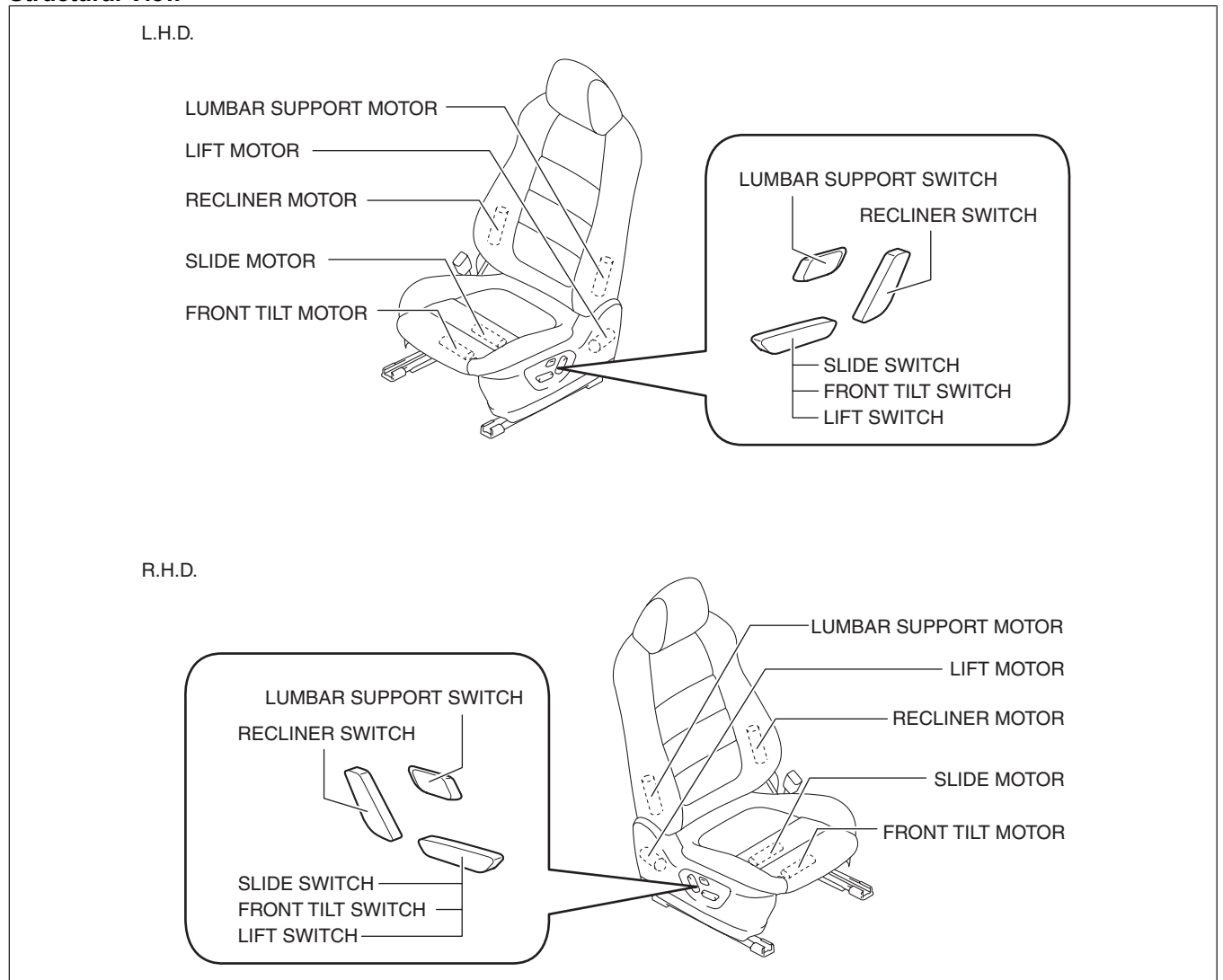
Lumbar support mechanism

- The lumbar support function adjusts the bulge amount of the abdominal area of the front seat back.



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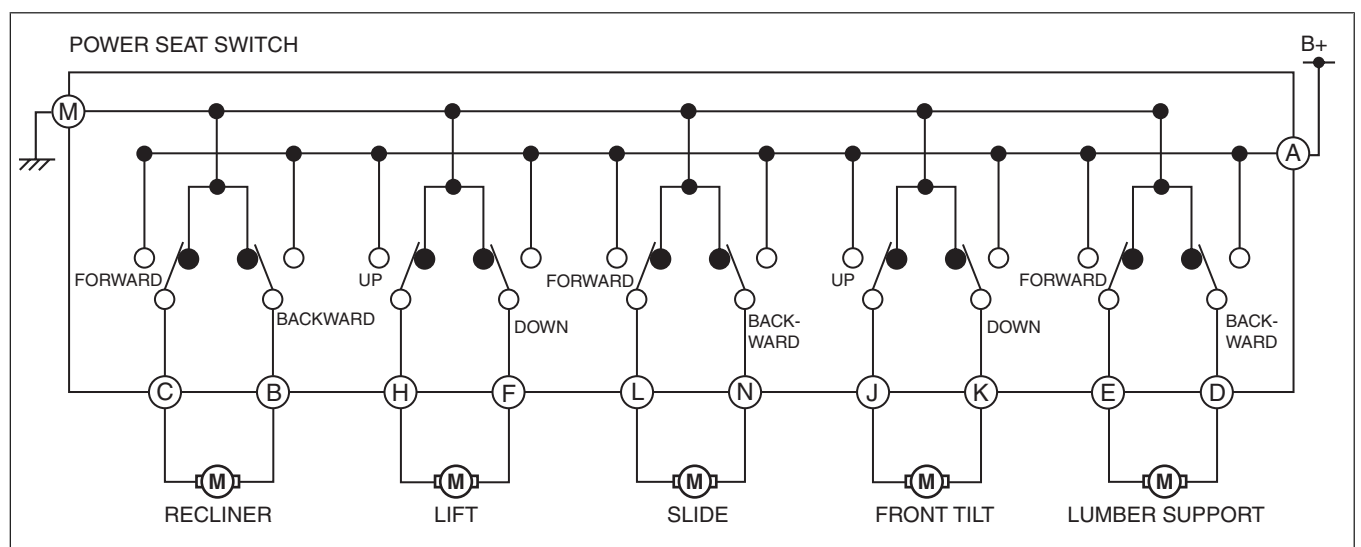
Structural View



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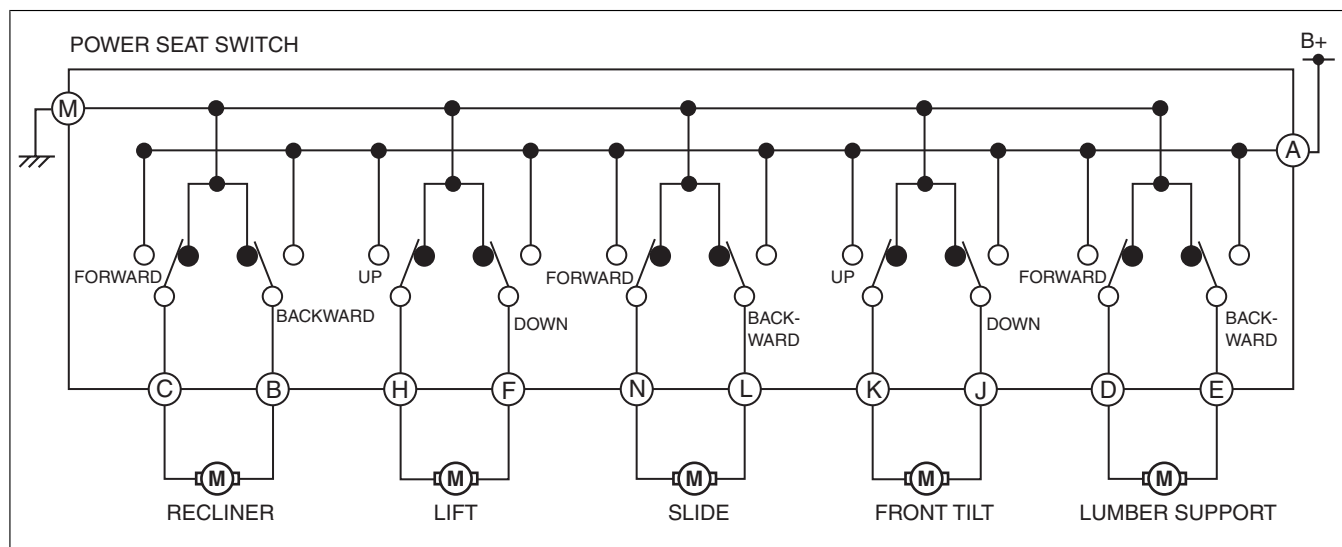
System Diagram

L.H.D.



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R.H.D.

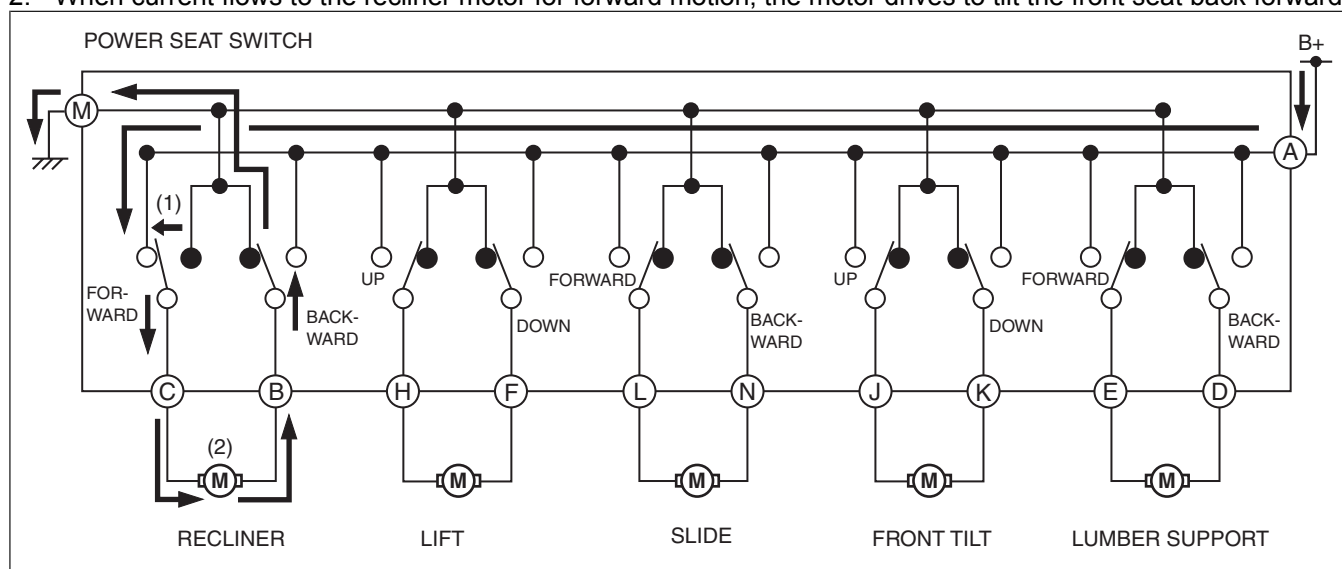


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Operation

Recliner operation (example: L.H.D. forward recline operation)

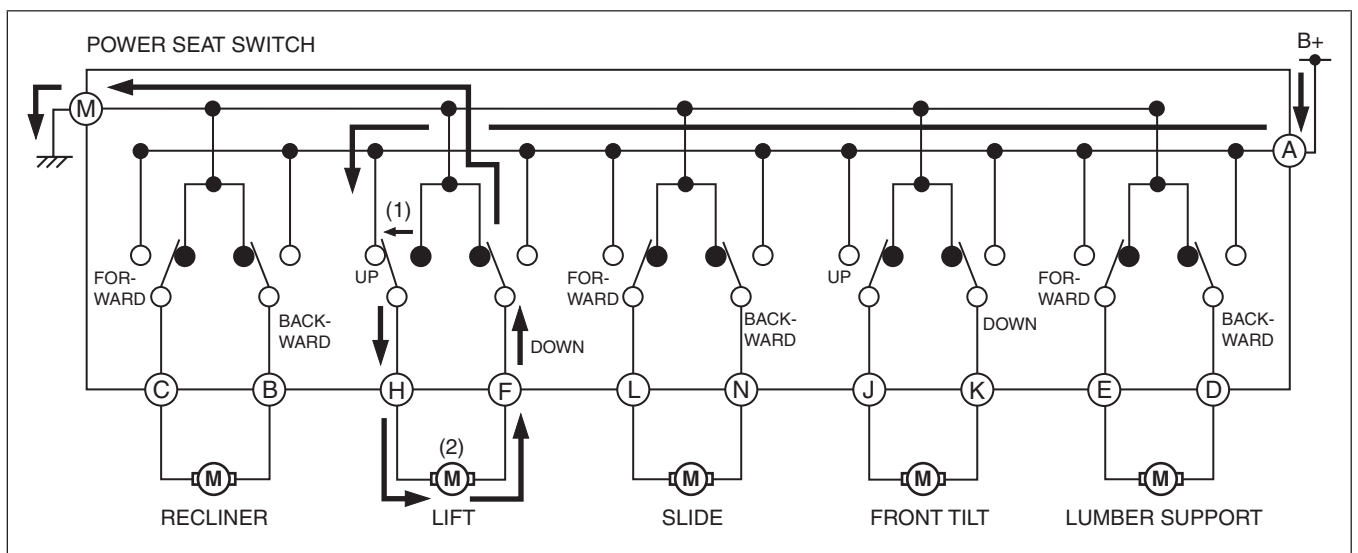
1. When the recliner switch is operated (1) forward, current from the battery flows (2) to the recliner motor.
2. When current flows to the recliner motor for forward motion, the motor drives to tilt the front seat back forward.



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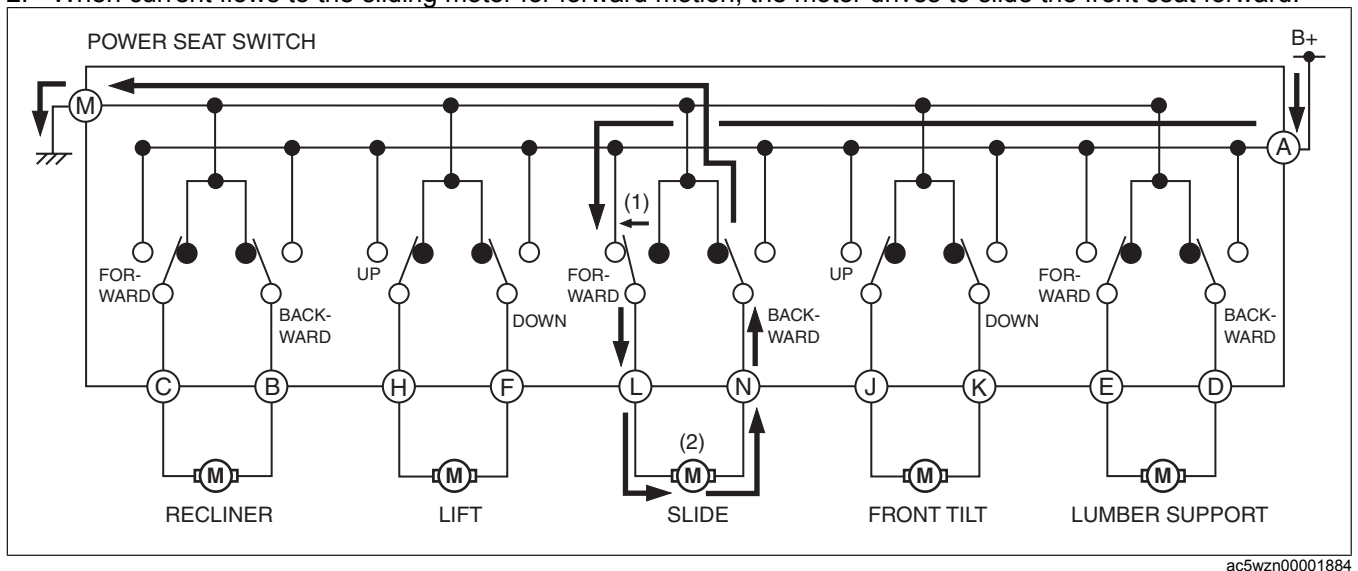
Lift operation (example: L.H.D. lift up operation)

1. When the lift switch is operated (1) in the lift-up direction, current from the battery flows (2) to the lift motor.
2. When current flows to the lift motor for lift-up motion, the motor drives to set the position of the front seat higher.



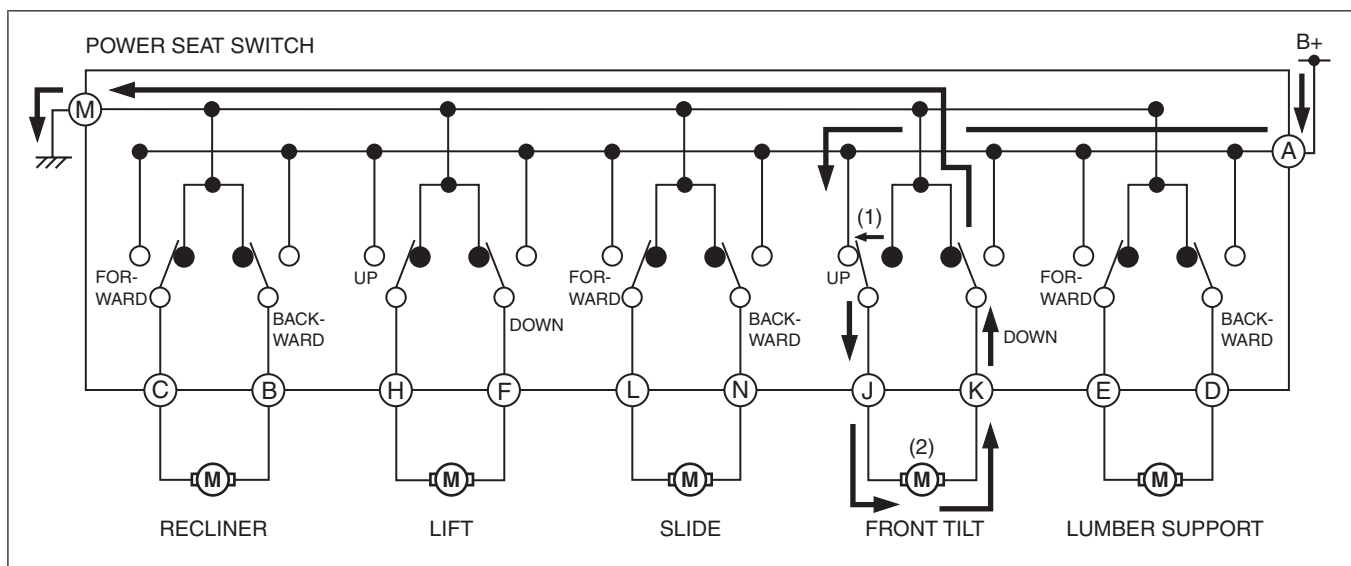
Slide operation (example: L.H.D. forward slide operation)

1. When the sliding switch is operated (1) forward, current from the battery flows (2) to the sliding motor.
2. When current flows to the sliding motor for forward motion, the motor drives to slide the front seat forward.



Front tilt operation (example: L.H.D. tilt up operation)

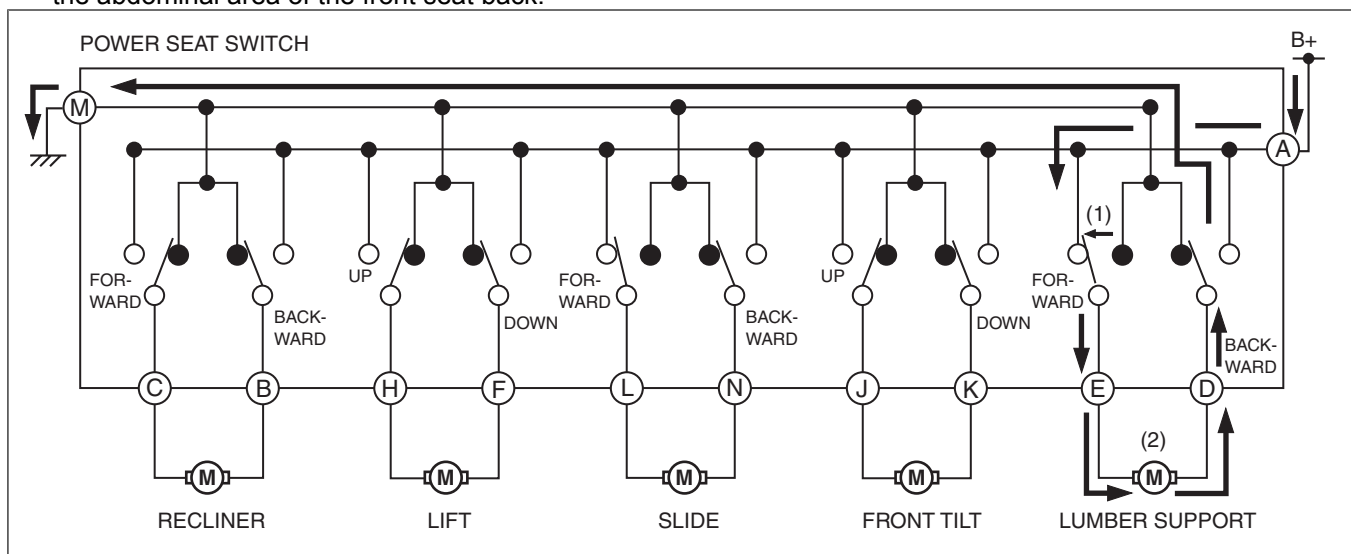
1. When the front tilt switch is operated (1) in the tilt-up direction, current from the battery flows (2) to the front tilt motor.
2. When current flows to the front tilt motor for tilt-up motion, the motor drives to set the position of the front part of the front seat cushion higher.



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Lumber support operation (example: L.H.D. forward operation)

1. When the lumbar support switch is operated (1) forward, current from the battery flows (2) to the lumbar support motor.
2. When current flows to the lumbar support motor for forward motion, the motor drives to set the bulge amount of the abdominal area of the front seat back.



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Fail-safe

- Function not equipped.