

SEATS - POWER

1998 Toyota Supra

1998 ACCESSORIES & EQUIPMENT
Toyota - Power Seats

Lexus; LX470
Toyota; Avalon, Camry, Land Cruiser, Sienna, Supra, 4Runner

DESCRIPTION & OPERATION

Avalon

Both front seats move 6 ways (front up and down, rear up and down, and slide forward and backward). See Fig. 1. Seat back reclines forward and backward. Switch controls power and ground circuits of power seat motors. Circuit breaker in power seat motor protects circuit.

Camry

Both front seats move 4 ways (up and down, and slide forward and backward). See Fig. 2. Both seat backs recline forward and backward. Switch controls power and ground circuits of power seat motors. Circuit breaker in power seat motor protects circuit.

Land Cruiser & Lexus LX470

Both front seats move 6 ways (front up and down, rear up and down, and slide forward and backward). Seat backs recline forward and backward. Driver's seat is also equipped with an adjustable lumbar (lower back) support. See Fig. 3. Switch controls power and ground circuits of power seat motors. Circuit breaker in power seat motor protects circuit.

Sienna

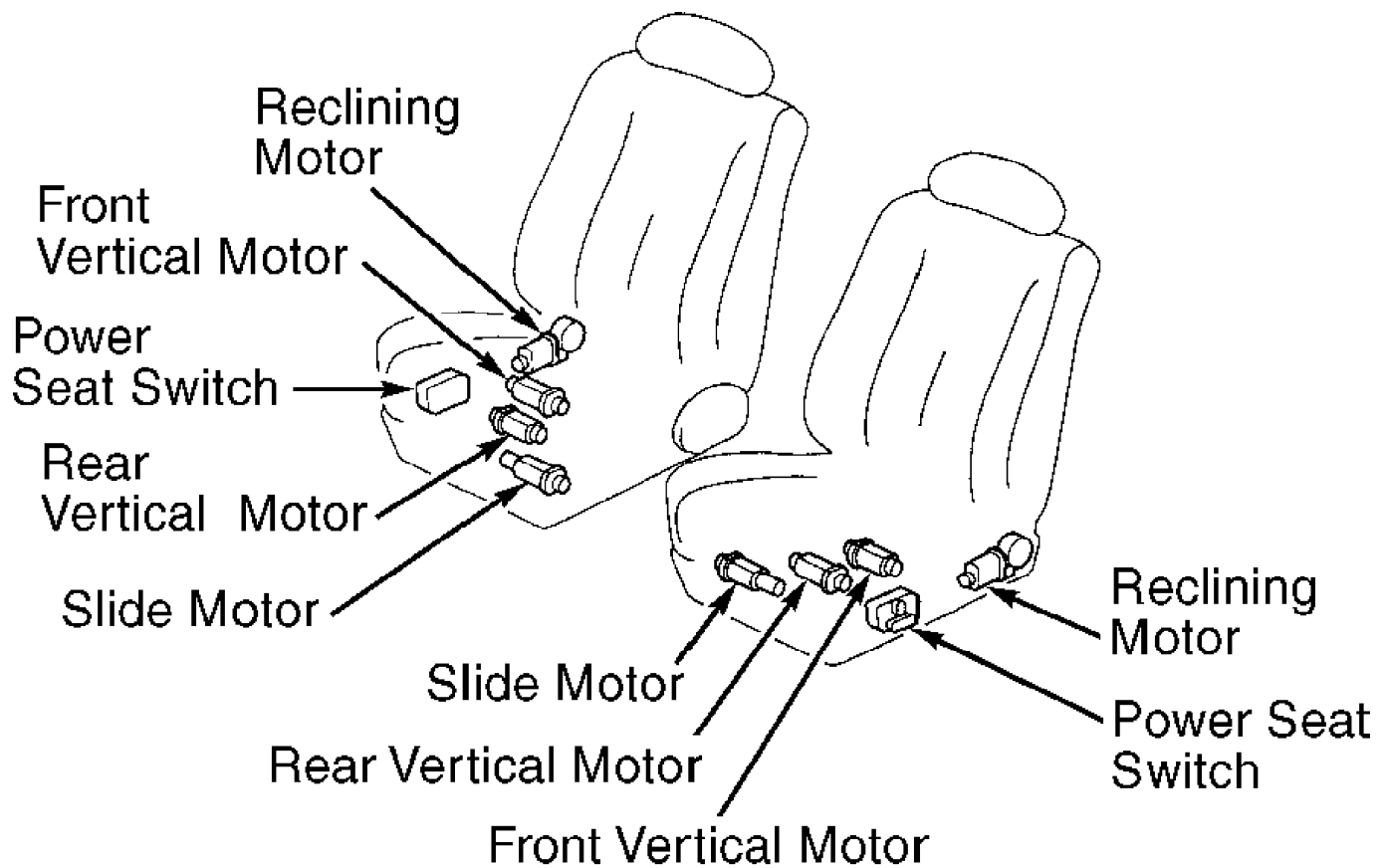
Driver's seat moves 4 ways (up and down, and slide forward and backward). Seat back also reclines forward and backward. See Fig. 4. Switch controls power and ground circuits of power seat motors. Circuit breaker in power seat motor protects circuit.

Supra

Driver's seat slides forward and backward, and reclines forward and backward. Switch controls power and ground circuits of power seat motors. See Fig. 5. Circuit breaker in power seat motor protects circuit.

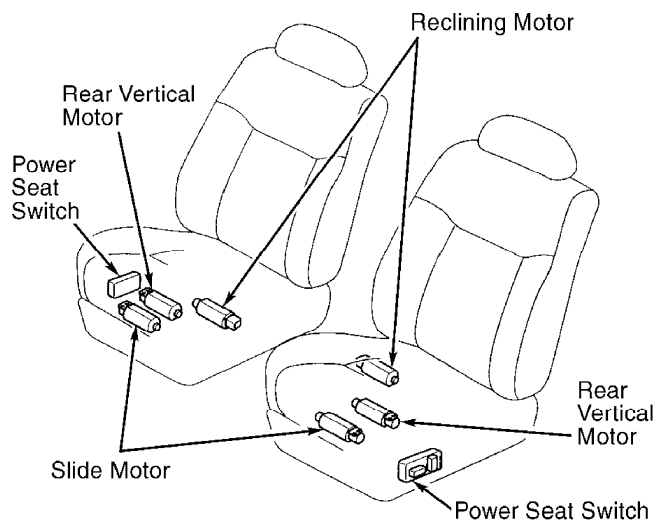
4Runner

Driver's seat moves 4 ways (rear up and down, and slide forward and backward). Passenger's seat slides forward and backward. Driver's seat is also equipped with an adjustable lumbar (lower back) support. See Fig. 6. Both seat backs recline forward and backward. Switch controls power and ground circuits of power seat motors. Circuit breaker in power seat motor protects circuit.



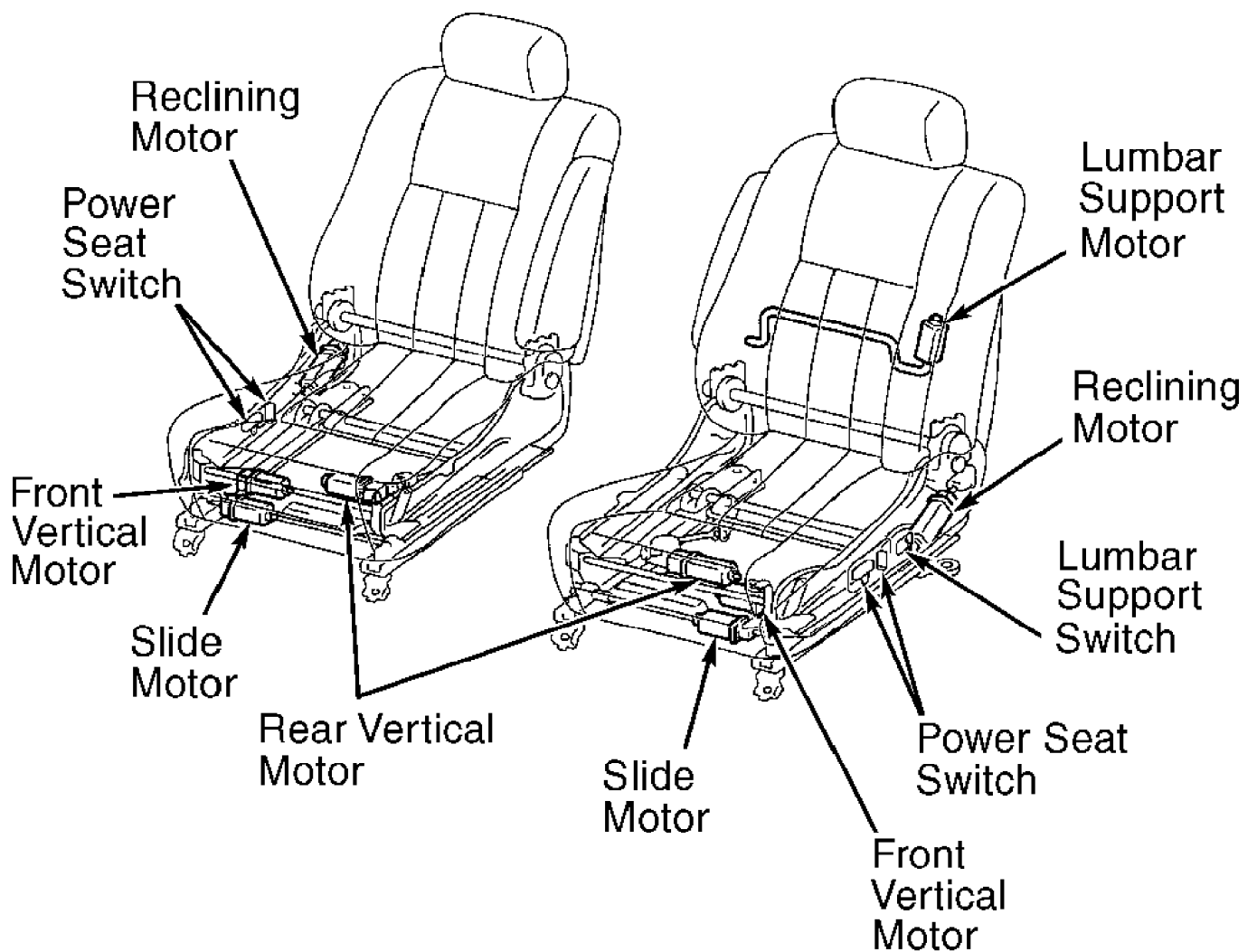
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Fig. 1: Locating Power Seat Components (Avalon)
 Courtesy of Toyota Motor Sales, U.S.A., Inc.



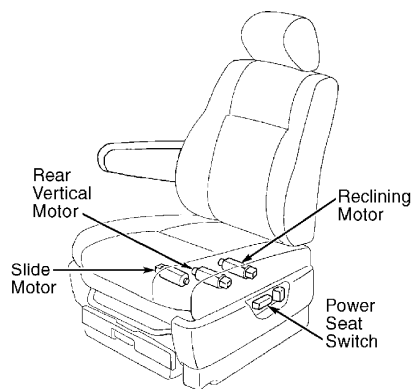
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Fig. 2: Locating Power Seat Components (Camry)
 Courtesy of Toyota Motor Sales, U.S.A., Inc.



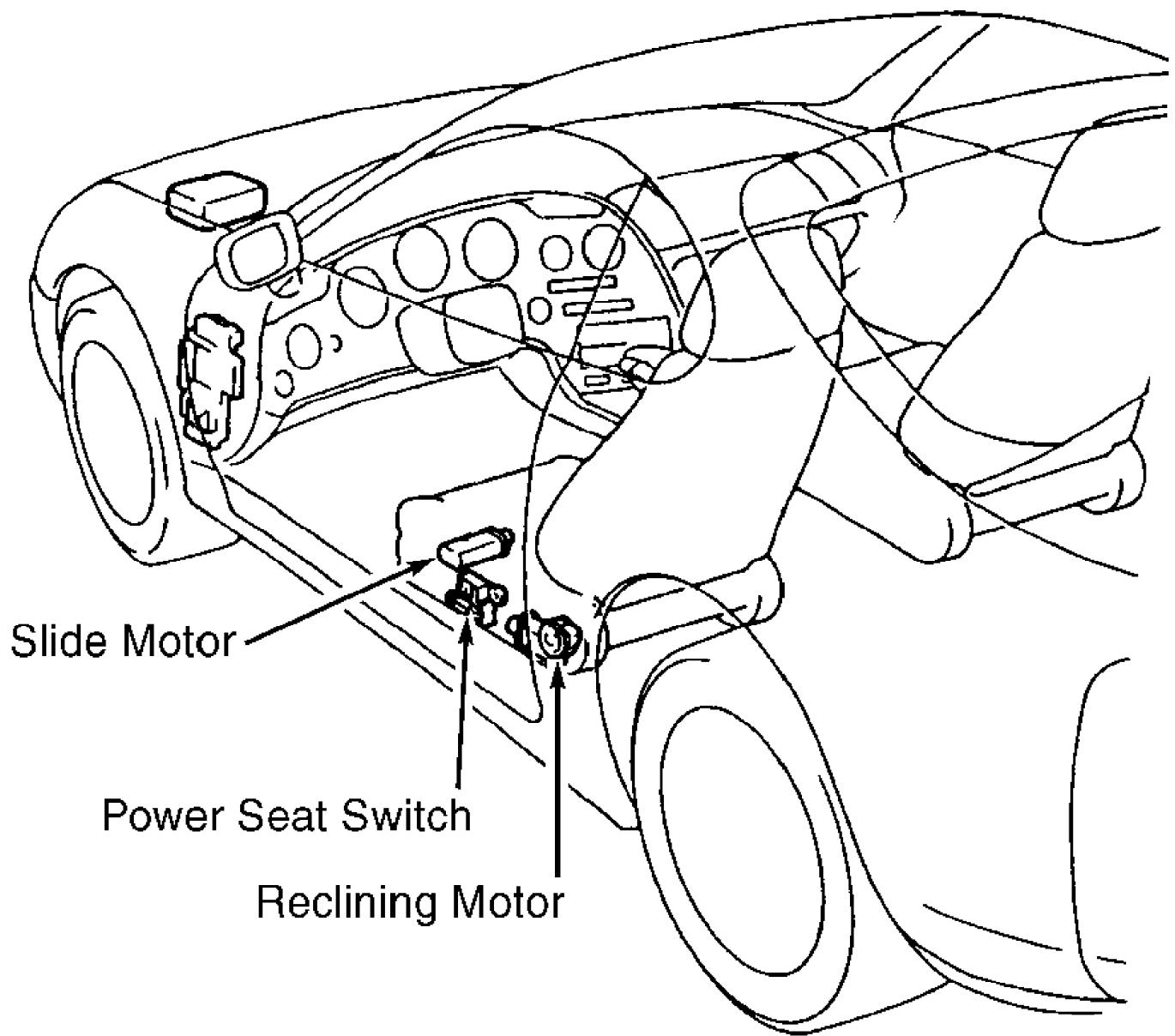
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Fig. 3: Locating Power Seat Components (Land Cruiser & Lexus LX470)
Courtesy of Toyota Motor Sales, U.S.A., Inc.



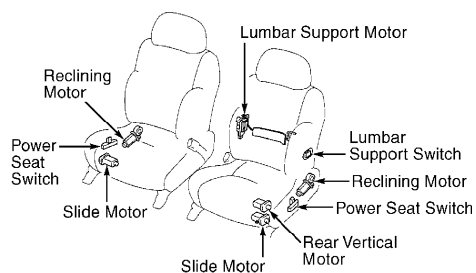
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Fig. 4: Locating Power Seat Components (Sienna)
Courtesy of Toyota Motor Sales, U.S.A., Inc.



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Fig. 5: Locating Power Seat Components (Supra)
 Courtesy of Toyota Motor Sales, U.S.A., Inc.



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Fig. 6: Locating Power Seat Components (4Runner)
 Courtesy of Toyota Motor Sales, U.S.A., Inc.

TROUBLE SHOOTING

SEAT DOES NOT OPERATE IN ANY DIRECTION

Check fuse. Check power seat switch. See POWER SEAT SWITCH under COMPONENT TESTS. Check wiring harness. See WIRING DIAGRAMS.

SLIDE MOTOR DOES NOT OPERATE

Check power seat switch. See POWER SEAT SWITCH under COMPONENT TESTS. Check slide motor. See POWER SEAT MOTOR under COMPONENT TESTS. Check wiring harness. See WIRING DIAGRAMS.

FRONT VERTICAL MOTOR DOES NOT OPERATE

Check power seat switch. See POWER SEAT SWITCH under COMPONENT TESTS. Check front vertical motor. See POWER SEAT MOTOR under COMPONENT TESTS. Check wiring harness. See WIRING DIAGRAMS.

REAR VERTICAL MOTOR DOES NOT OPERATE

Check power seat switch. See POWER SEAT SWITCH under COMPONENT TESTS. Check rear vertical motor. See POWER SEAT MOTOR under COMPONENT TESTS. Check wiring harness. See WIRING DIAGRAMS.

RECLINING OPERATION DOES NOT OPERATE

Check power seat switch. See POWER SEAT SWITCH under COMPONENT TESTS. Check reclining motor. See POWER SEAT MOTOR under COMPONENT TESTS. Check wiring harness. See WIRING DIAGRAMS.

LUMBAR SUPPORT DOES NOT OPERATE

Check power seat switch. See POWER SEAT SWITCH under COMPONENT TESTS. Check lumbar support motor. See POWER SEAT MOTOR under COMPONENT TESTS. Check wiring harness. See WIRING DIAGRAMS.

COMPONENT TESTS

POWER SEAT MOTOR

1) Disconnect power seat motor to be tested. Apply battery voltage across power seat motor connector terminals. Reverse polarity to move seat in opposite direction. If power seat motor does not operate, replace power seat motor.

2) If power seat motor operates, move seat fully in one direction until it stops. With seat stopped, keep battery voltage applied to terminals until circuit breaker is heard operating (4-60 seconds). If circuit breaker does not operate within 60 seconds, replace power seat motor.

3) If circuit breaker operates within 60 seconds, reverse polarity and wait until seat moves in opposite direction. If seat moves in opposite direction within 60 seconds, power seat motor is okay. If seat does not move in opposite direction within 60 seconds, replace power seat motor.

POWER SEAT SWITCH

Disconnect power seat switch connector. Check continuity

between specified terminals of power seat switch connector. See appropriate POWER SEAT SWITCH CONTINUITY TEST table. See Figs. 7-11. Replace switch if continuity is not as specified.

POWER SEAT SWITCH CONTINUITY TEST TABLE (AVALON)

Switch Position	(1) Terminals No.
Slide	
Forward	5 & 10; 8 & 9
Off	5 & 9; 8 & 9
Backward	5 & 9; 8 & 10
Front Up/Down	
Up	10 & 12; 4 & 11
Off	4 & 11; 4 & 12
Down	4 & 12; 10 & 11
Rear Up/Down	
Up	2 & 10; 6 & 7
Off	2 & 7; 6 & 7
Down	2 & 7; 6 & 10
Recline	
Forward	4 & 10; 7 & 9
Off	4 & 9; 7 & 9
Backward	4 & 9; 7 & 10

(1) - See Figs. 7-11.

POWER SEAT SWITCH CONTINUITY TEST TABLE (CAMRY - TOYOTA MOTOR CORP. JAPAN)

Switch Position	(1) Terminals No.
Driver's Seat	
Slide	
Forward	4 & 7; 8 & 11
Off	4 & 7; 7 & 8
Backward	7 & 8; 4 & 11
Rear Up/Down	
Up	2 & 11; 3 & 7
Off	3 & 7; 2 & 7
Down	2 & 7; 3 & 11
Recline	
Forward	1 & 11; 5 & 7
Off	1 & 7; 5 & 7
Backward	1 & 7; 5 & 11
Passenger's Seat	
Slide	
Forward	4 & 7; 8 & 11
Off	4 & 7; 7 & 8
Backward	7 & 8; 4 & 11
Rear Up/Down	
Up	2 & 7; 3 & 11
Off	3 & 7; 2 & 7
Down	3 & 7; 2 & 11
Recline	
Forward	1 & 11; 5 & 7
Off	1 & 7; 5 & 7
Backward	1 & 7; 5 & 11

(1) - See Figs. 7-11.

POWER SEAT SWITCH CONTINUITY TEST TABLE (CAMRY - TOYOTA MOTOR MFG.
U.S.A.)

Switch Position	(1) Terminals No.
Driver's Seat	
Slide	
Forward	2 & 11; 4 & 7
Off	4 & 11; 4 & 7
Backward	2 & 7; 4 & 11
Rear Up/Down	
Up	2 & 5; 4 & 8
Off	4 & 5; 4 & 8
Down	2 & 8; 4 & 5
Recline	
Forward	2 & 12; 4 & 6
Off	4 & 12; 4 & 6
Backward	2 & 6; 4 & 12
Passenger's Seat	
Slide	
Forward	2 & 11; 4 & 7
Off	4 & 11; 4 & 7
Backward	2 & 7; 4 & 11
Rear Up/Down	
Up	2 & 8; 4 & 5
Off	4 & 5; 4 & 8
Down	2 & 5; 4 & 8
Recline	
Forward	2 & 12; 4 & 6
Off	4 & 12; 4 & 6
Backward	2 & 6; 4 & 12

(1) - See Figs. 7-11.

POWER SEAT SWITCH CONTINUITY TEST TABLE (LAND CRUISER & LEXUS LX470)

Switch Position	(1) Terminals No.
Driver's Seat	
Slide	
Forward	4 & 6; 8 & 12
Off	4, 6 & 8
Backward	6 & 8; 4 & 12
Front Up/Down	
Up	6 & 9; 10 & 12
Off	6, 9 & 10
Down	6 & 10; 9 & 12
Rear Up/Down	
Up	2 & 12; 3 & 6
Off	2, 3 & 6
Down	2 & 6; 3 & 12
Recline	
Forward	1 & 12; 5 & 6
Off	1, 5 & 6
Backward	1 & 6; 5 & 12
Passenger's Seat	
Slide	
Forward	4 & 6; 8 & 12
Off	4, 6 & 8
Backward	6 & 8; 4 & 12
Front Up/Down	
Up	6 & 10; 9 & 12

Off	.....	6, 9 & 10
Down	.....	6 & 9; 10 & 12
Rear Up/Down		
Up	.....	2 & 6; 3 & 12
Off	.....	2, 3 & 6
Down	.....	2 & 12; 3 & 6
Recline		
Forward	.....	1 & 12; 5 & 6
Off	.....	1, 5 & 6
Backward	.....	1 & 6; 5 & 12

(1) - See Figs. 7-11.

POWER SEAT SWITCH CONTINUITY TEST TABLE (SIENNA)

Switch Position	(1) Terminals No.
Driver's Seat	
Slide	
Forward	..... 2 & 11; 4 & 7
Off	..... 4 & 11; 4 & 7
Backward	..... 2 & 7; 4 & 11
Rear Up/Down	
Up	..... 2 & 5; 4 & 8
Off	..... 4 & 5; 4 & 8
Down	..... 2 & 8; 4 & 5
Recline	
Forward	..... 2 & 12; 4 & 6
Off	..... 4 & 12; 4 & 6
Backward	..... 2 & 6; 4 & 12

(1) - See Figs. 7-11.

POWER SEAT SWITCH CONTINUITY TEST TABLE (SUPRA)

Switch Position	(1) Terminals No.
Slide	
Forward	..... A1 & A3; A2 & A4
Off	..... A1 & A3; A1 & A4
Backward	..... A1 & A4; A2 & A3
Recline	
Forward	..... A1 & B1; A2 & B2
Off	..... A1 & B1; A1 & B2
Backward	..... A1 & B2; A2 & B1

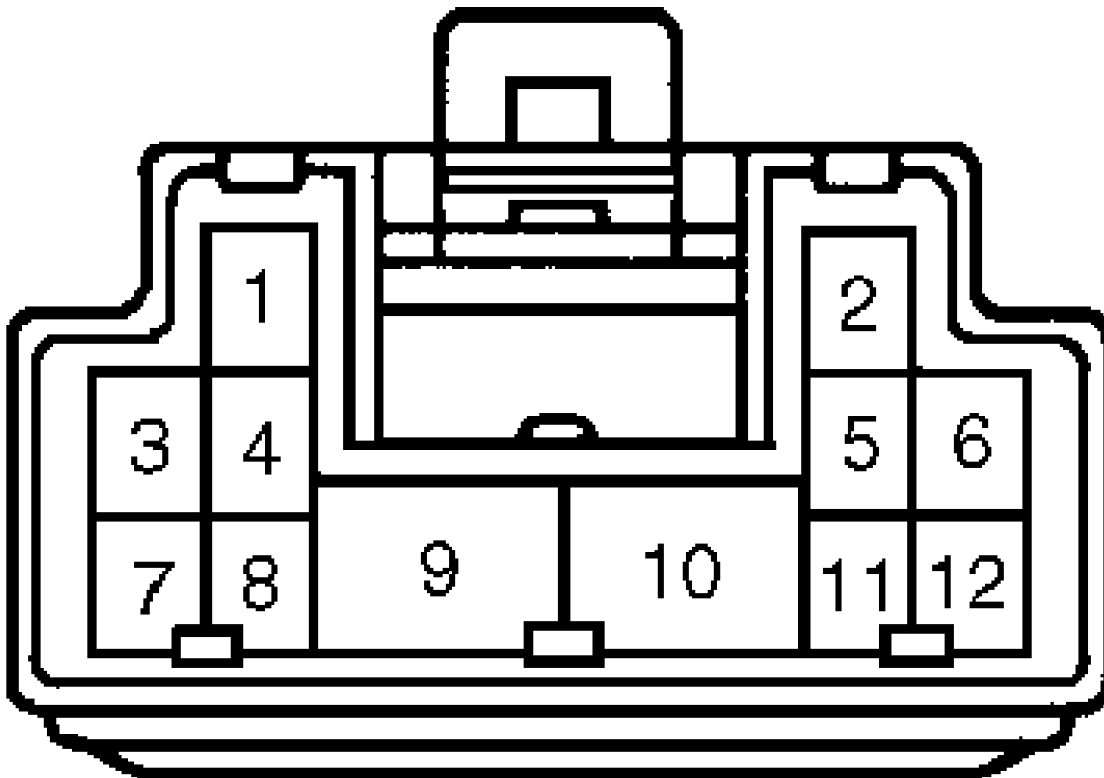
(1) - See Figs. 7-11.

POWER SEAT SWITCH CONTINUITY TEST TABLE (4RUNNER)

Switch Position	(1) Terminals No.
Driver's Seat	
Slide	
Forward	..... 5 & 10; 8 & 9
Off	..... 5 & 9; 8 & 9
Backward	..... 5 & 9; 8 & 10
Rear Up/Down	
Up	..... 2 & 10; 6 & 9
Off	..... 2 & 9; 6 & 9

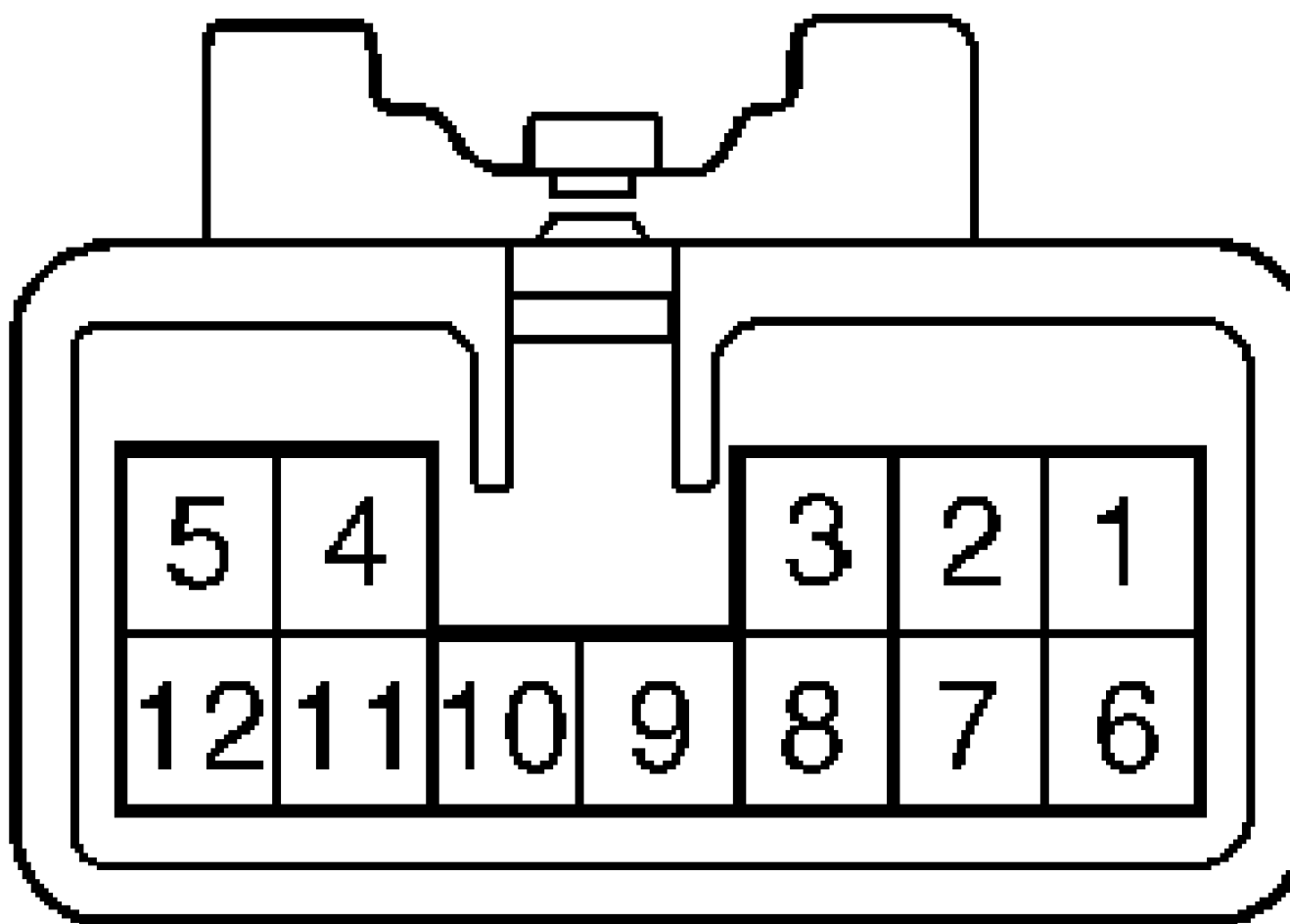
Down	2 & 9; 6 & 10
Recline	
Forward	4 & 10; 7 & 9
Off	4 & 9; 7 & 9
Backward	4 & 9; 7 & 10
Lumbar	
Forward (Outward)	1 & 3; 2 & 4
Off	2, 3 & 4
Backward (Inward)	1 & 4; 2 & 3
Passenger's Seat	
Slide	
Forward	4 & 8; 5 & 7
Off	4 & 7; 4 & 8
Backward	4 & 7; 5 & 8
Recline	
Forward	2 & 5; 3 & 4
Off	2 & 4; 3 & 4
Backward	2 & 4; 3 & 5

(1) - See Figs. 7-11.



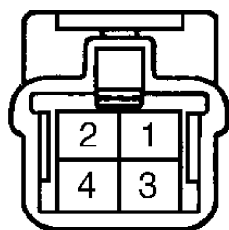
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Fig. 7: Identifying Power Seat Switch Connector Terminals (Avalon & 4Runner - Driver's Seat)
 Courtesy of Toyota Motor Sales, U.S.A., Inc.



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Fig. 8: Identifying Power Seat Switch Connector Terminals (Camry, Land Cruiser, Lexus LX470 & Sienna)
 Courtesy of Toyota Motor Sales, U.S.A., Inc.



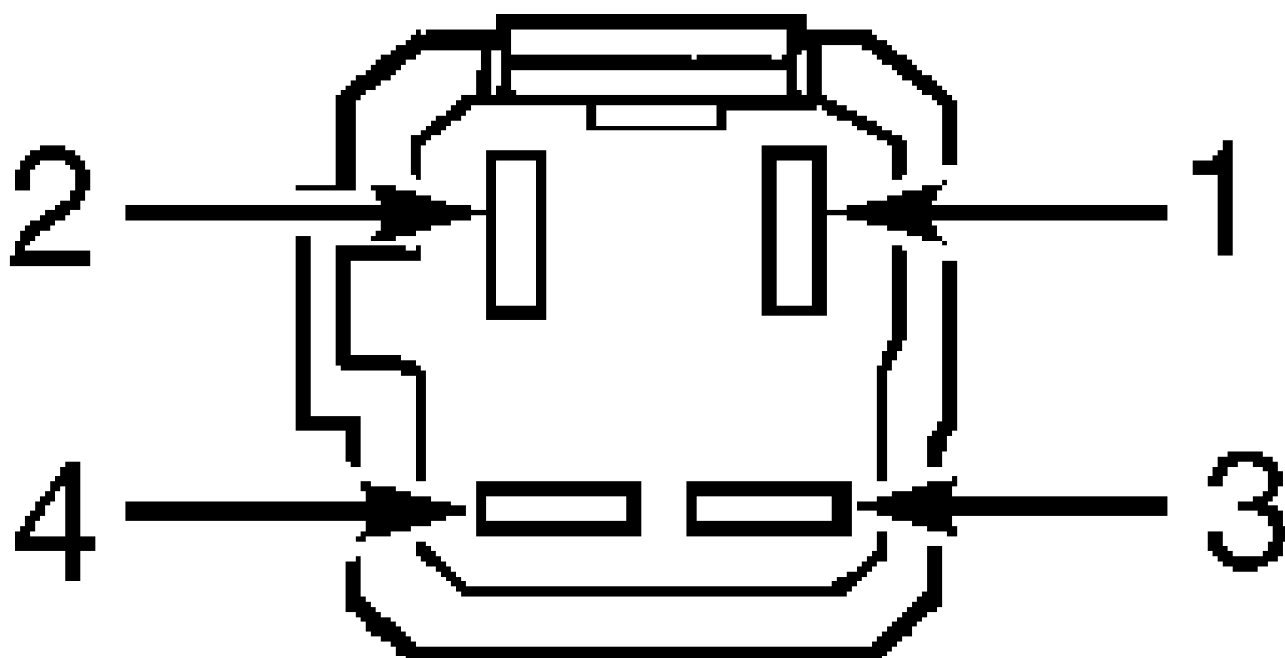
CONNECTOR "A"



CONNECTOR "B"

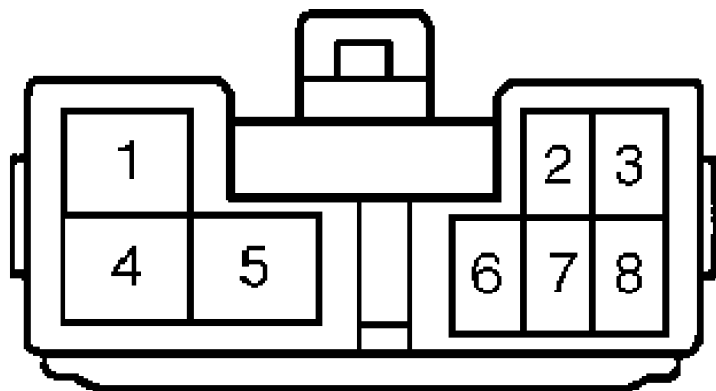
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Fig. 9: Identifying Power Seat Switch Connector Terminals (Supra)
 Courtesy of Toyota Motor Sales, U.S.A., Inc.



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Fig. 10: Identifying Power Seat Switch Connector Terminals (4Runner - Lumbar Switch)
 Courtesy of Toyota Motor Sales, U.S.A., Inc.



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Fig. 11: Identifying Power Seat Switch Connector Terminals (4Runner - Passenger's Seat)
 Courtesy of Toyota Motor Sales, U.S.A., Inc.

WIRING DIAGRAMS



Fig. 12: Power Seat System Wiring Diagram (Avalon - Driver's Memory Seat With Column Shift)

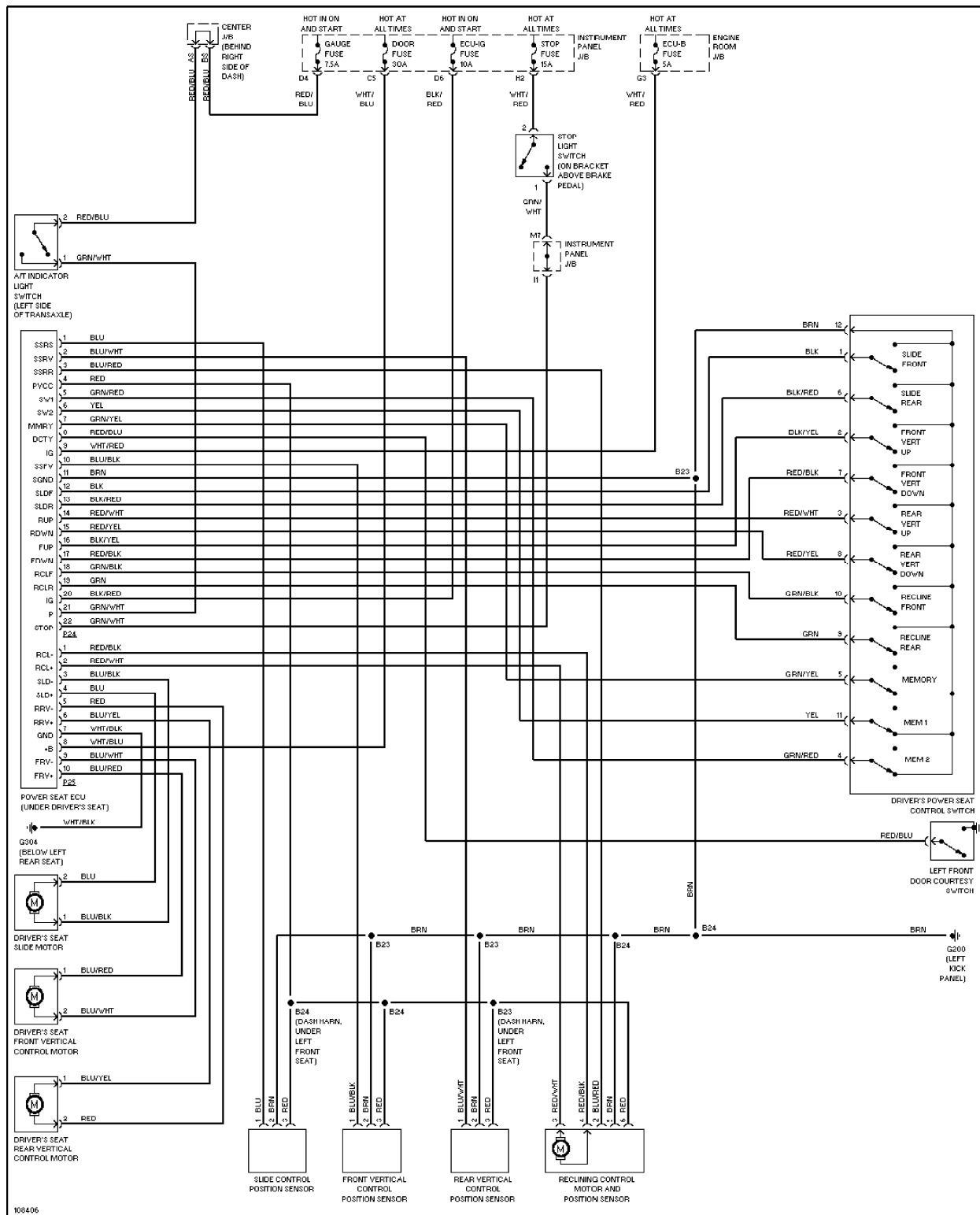
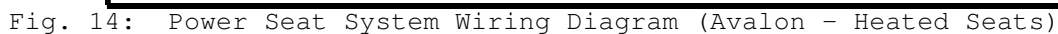


Fig. 13: Power Seat System Wiring Diagram (Avalon - Driver's Memory Seat With Floor Shift)



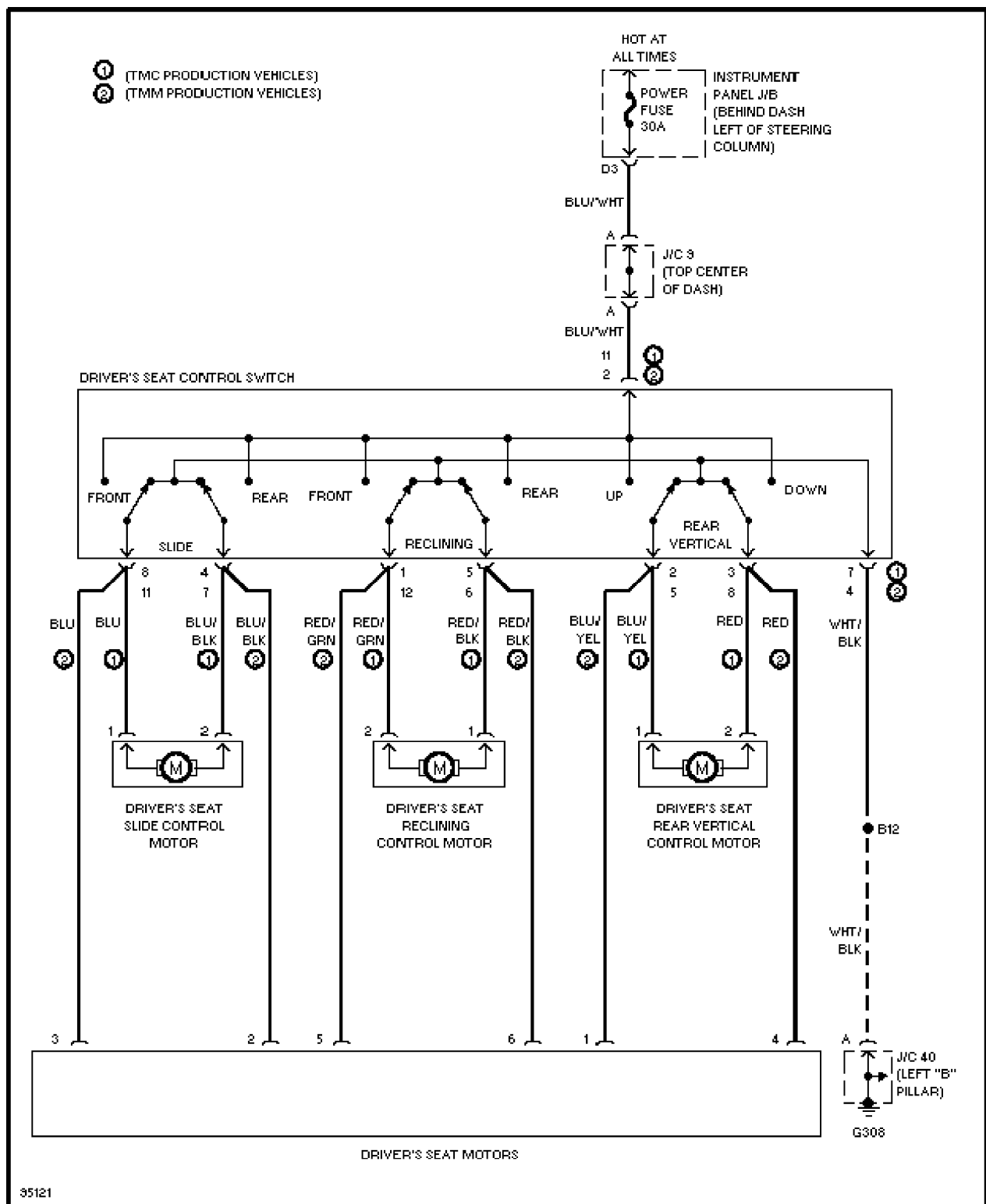


Fig. 15: Power Seat System Wiring Diagram (Camry - Driver's Seat)

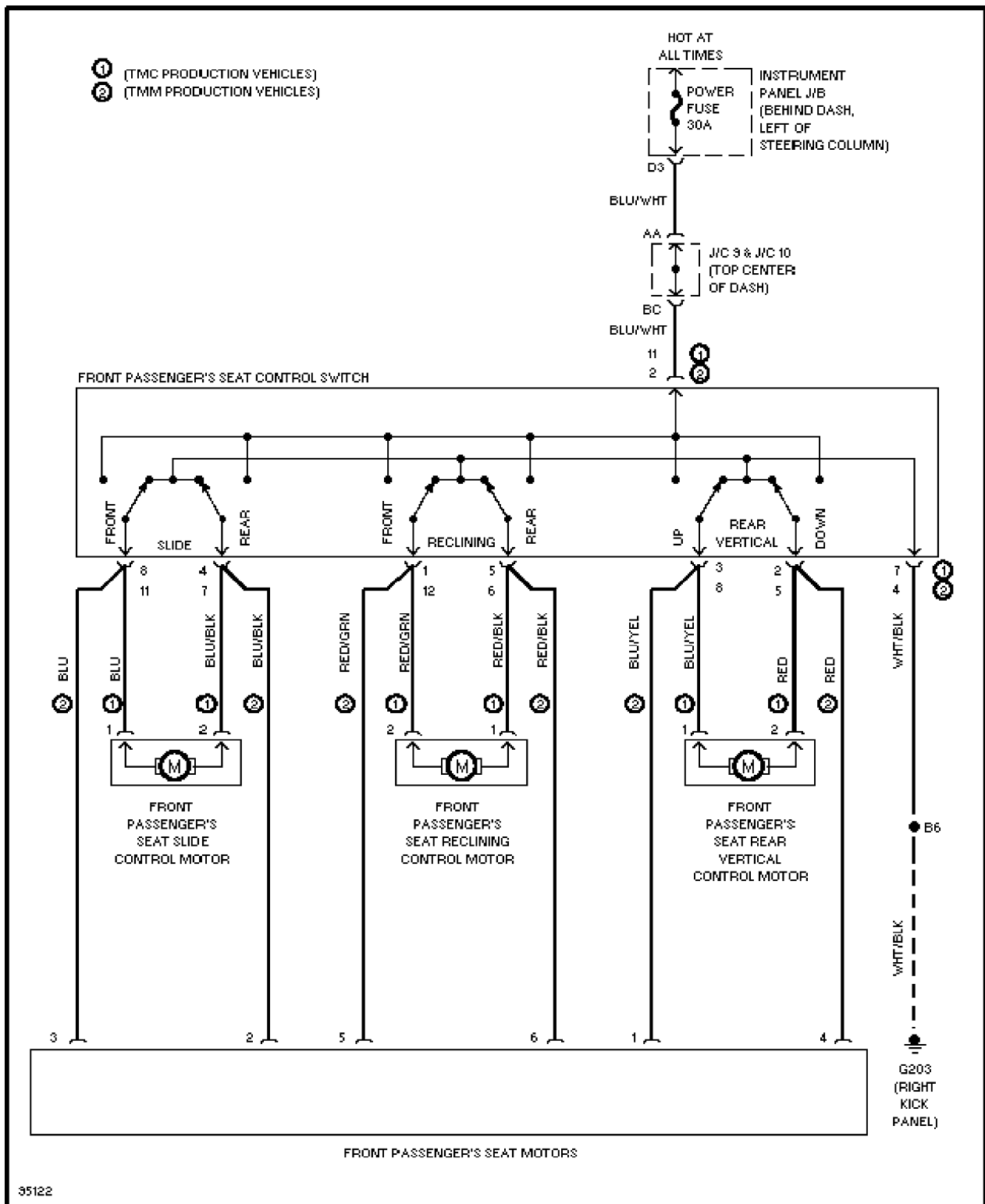


Fig. 16: Power Seat System Wiring Diagram (Camry - Passenger's Seat)

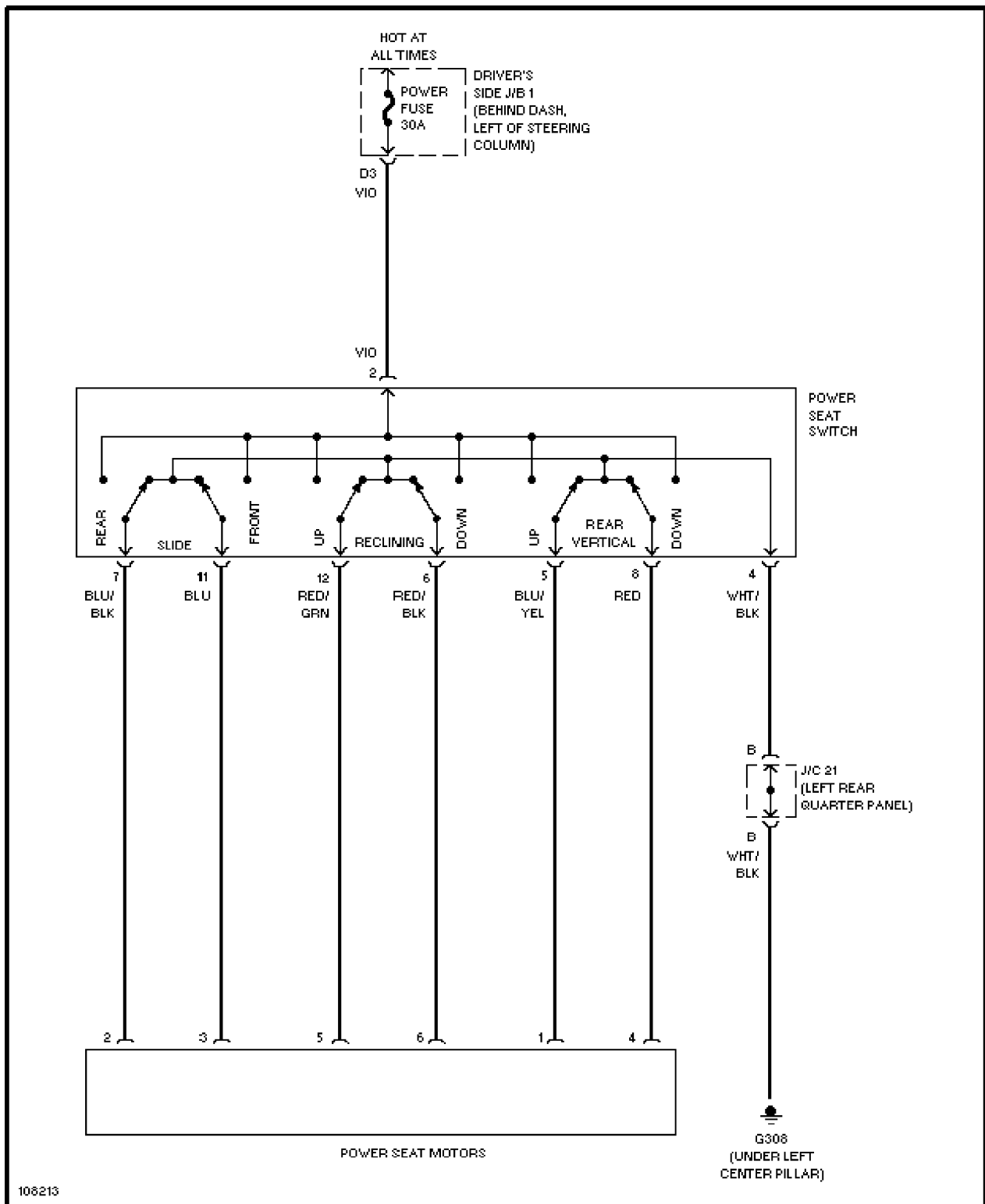


Fig. 17: Power Seat System Wiring Diagram (Sienna - Driver's Seat)

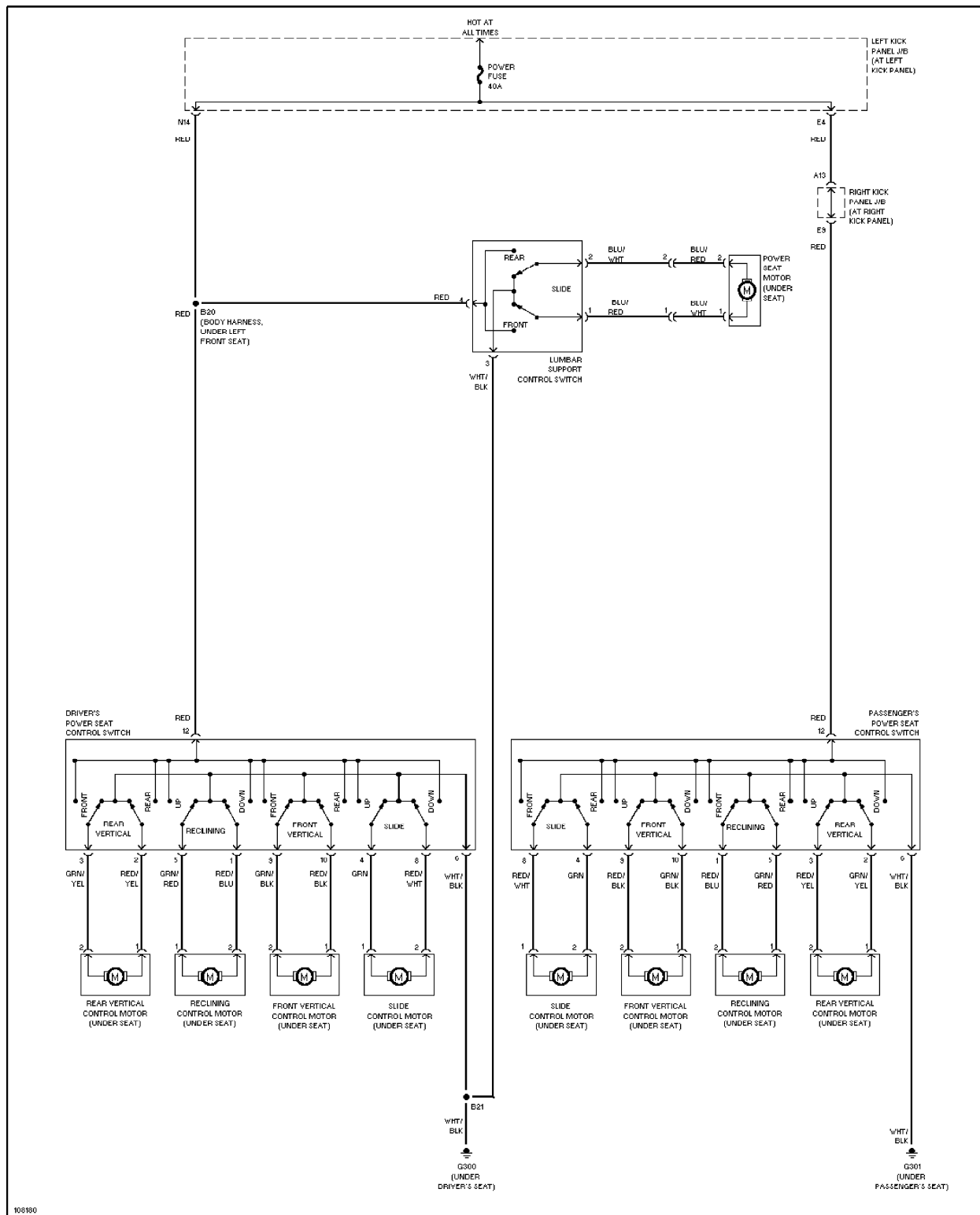


Fig. 18: Power Seat System Wiring Diagram (Land Cruiser & Lexus LX470)

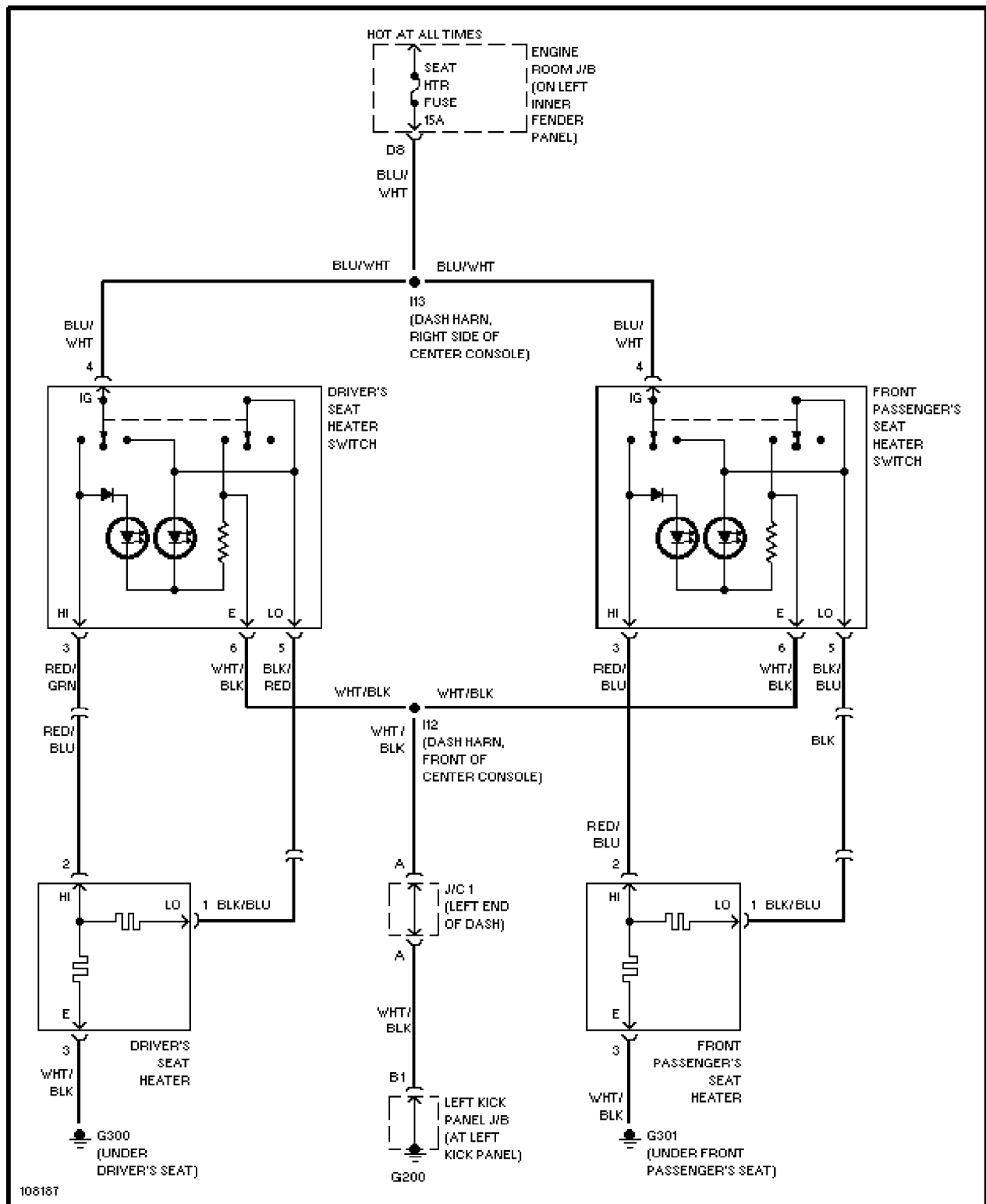


Fig. 19: Power Seat System Wiring Diagram (Land Cruiser & Lexus LX470 - Heated Seats)

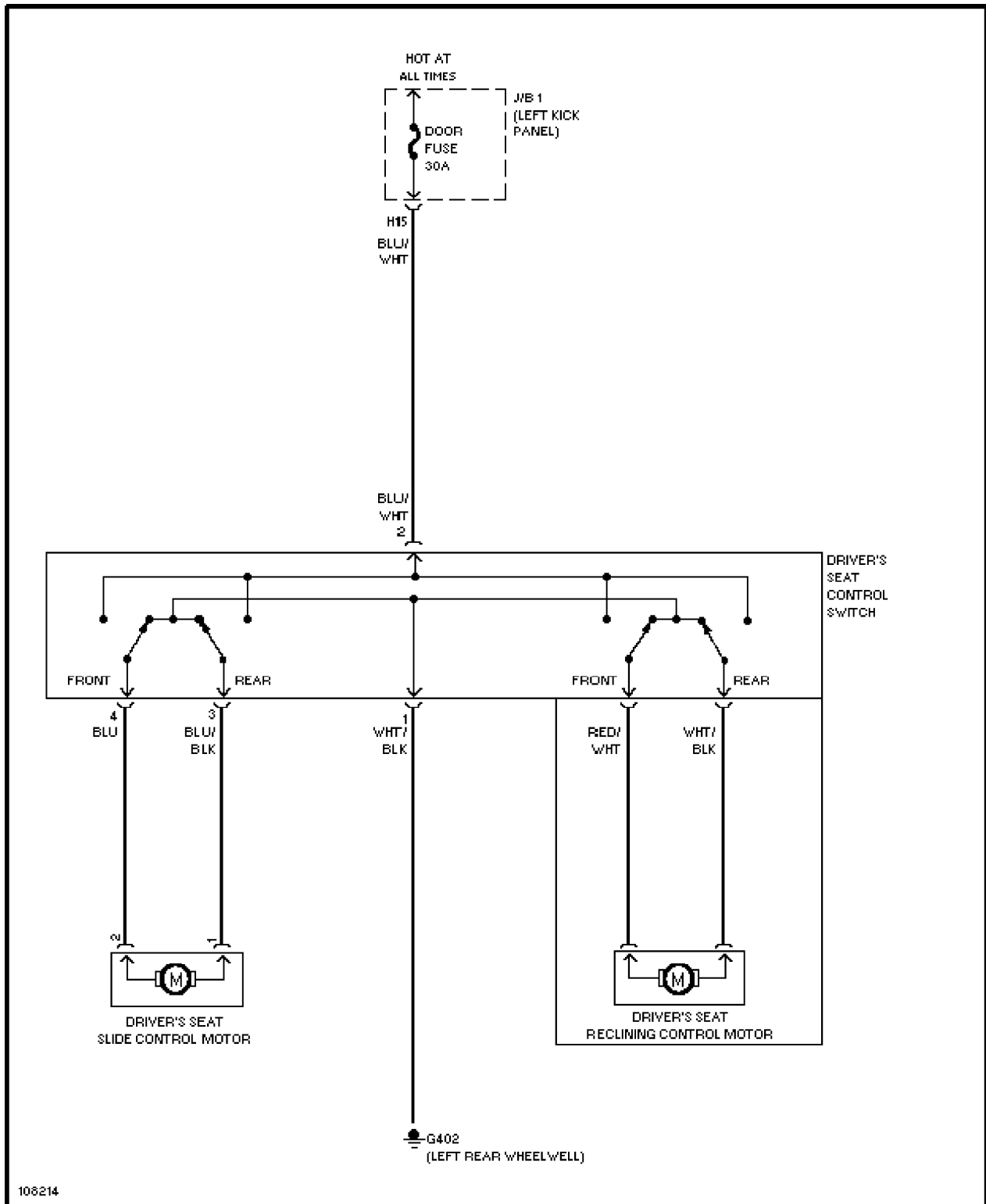


Fig. 20: Power Seat System Wiring Diagram (Supra - Driver's Seat)

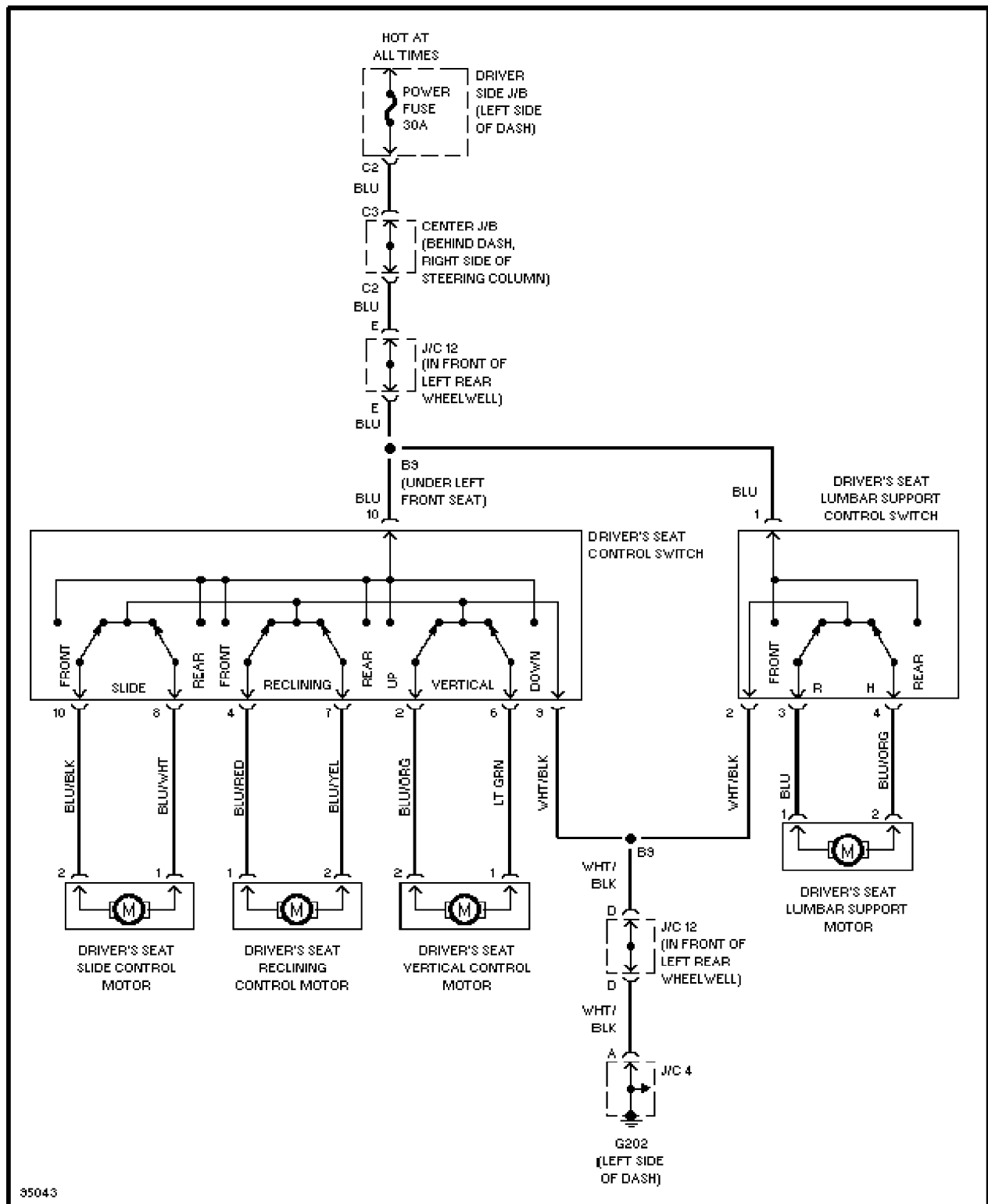
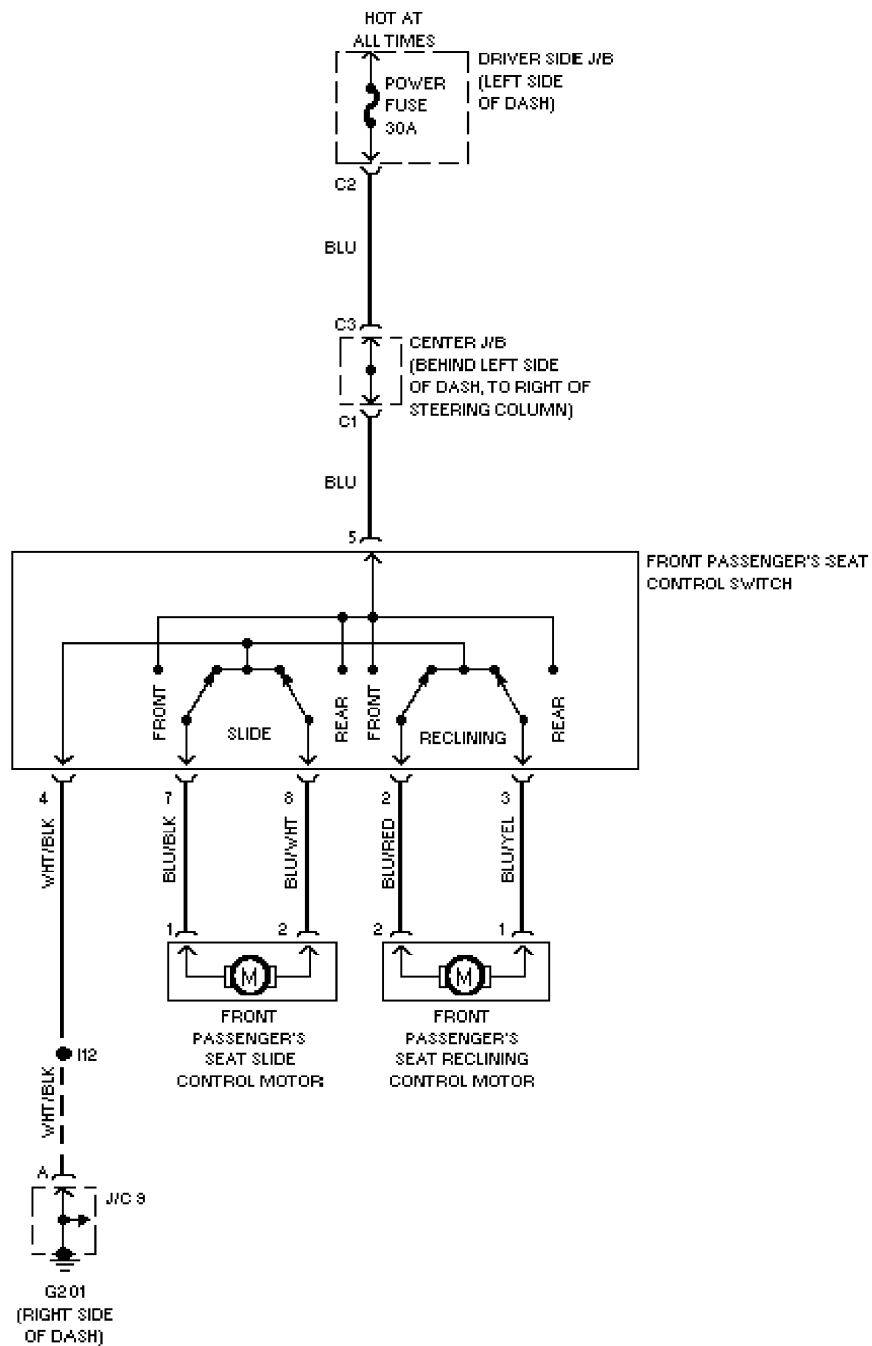


Fig. 21: Power Seat System Wiring Diagram (4Runner - Driver's Seat)



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Fig. 22: Power Seat System Wiring Diagram (4Runner - Passenger's Seat)