

SEATS - POWER

1998 Mitsubishi Montero

1998 ACCESSORIES & EQUIPMENT
Mitsubishi - Power Seats

Eclipse, Galant, Montero, 3000GT

DESCRIPTION & OPERATION

Power seat system consists of reversible motors, a control switch assembly and a wiring harness. Circuit is protected by a fusible link, located in main relay box in engine compartment.

Power assist adjustments offered are: forward and backward movement, height adjustment and separately adjusted front or rear seat tilt. Controls are located on side of seat cushion or on center console.

COMPONENT LOCATIONS

COMPONENT LOCATIONS TABLE

Component	Location
Data Link Connector (DLC)	Under Left Of Dash, Below Steering Column
ETACS-ECU	
3000GT	Left Of Steering Column
Seat Adjusting Motors	Under Each Front Seat

COMPONENT TESTS

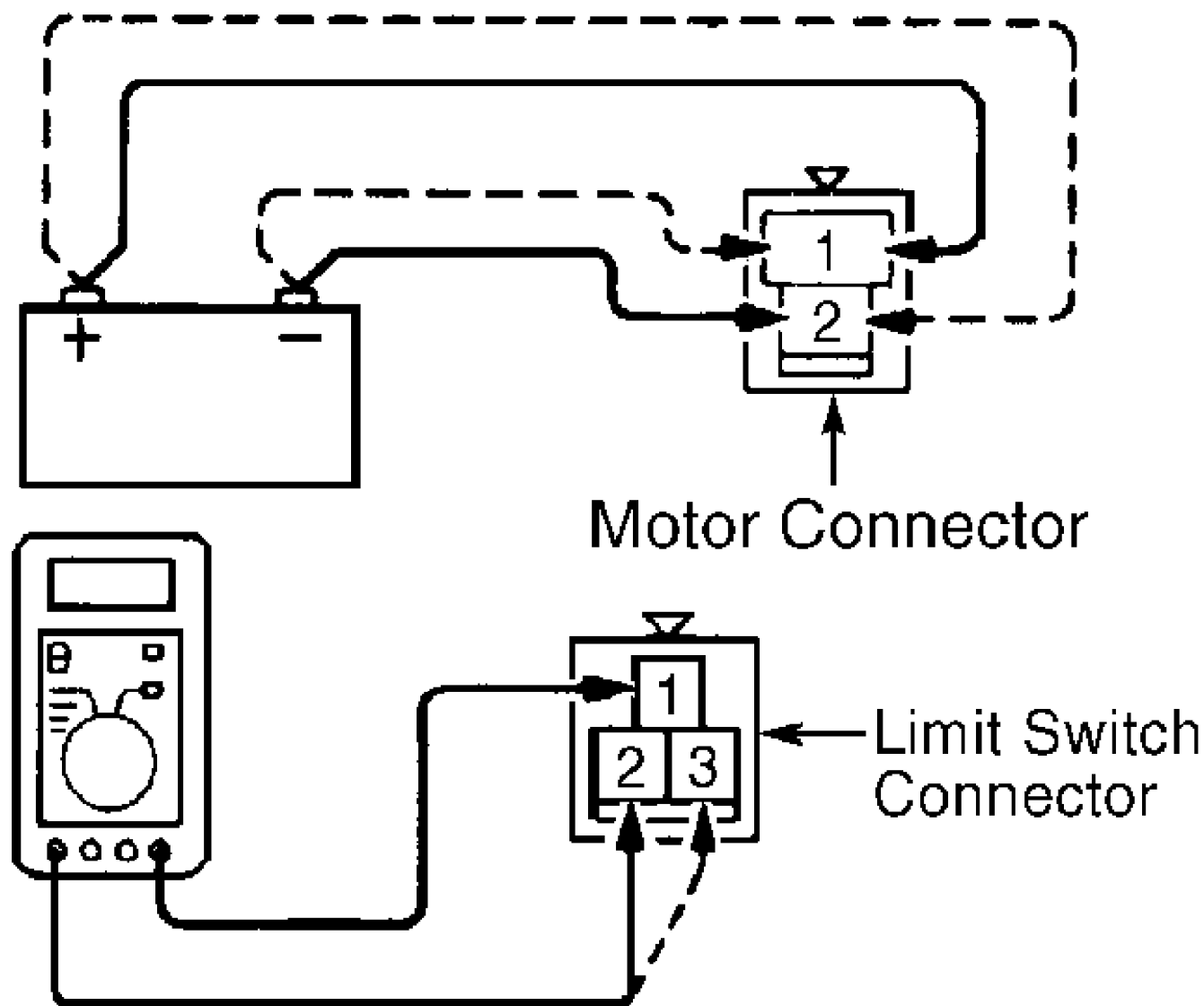
LIMIT SWITCH/SENSOR

Galant (Driver's Seat)

Disconnect each limit switch harness connector. Operate each switch to check continuity between specified pins using ohmmeter. See LIMIT SWITCH CONTINUITY TABLE (GALANT). See Fig. 1. Replace power seat adjuster assembly if any switch fails testing.

LIMIT SWITCH CONTINUITY TABLE (GALANT)

Switch Position	Check Continuity Between Pins No.
Slide Limit Switch	
Forward	1 & 2
Backward	1 & 3
Middle (ON)	1, 2 & 3
Front & Rear Height Limit Switch	
Front Up	1 & 3
Front Down	1 & 2
Front Middle (ON)	1, 2 & 3
Rear Up	1 & 3
Rear Down	1 & 2
Rear Middle (ON)	1, 2 & 3



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Fig. 1: Identifying Limit Switch Connectors (Galant)
 Courtesy of Mitsubishi Motor Sales of America

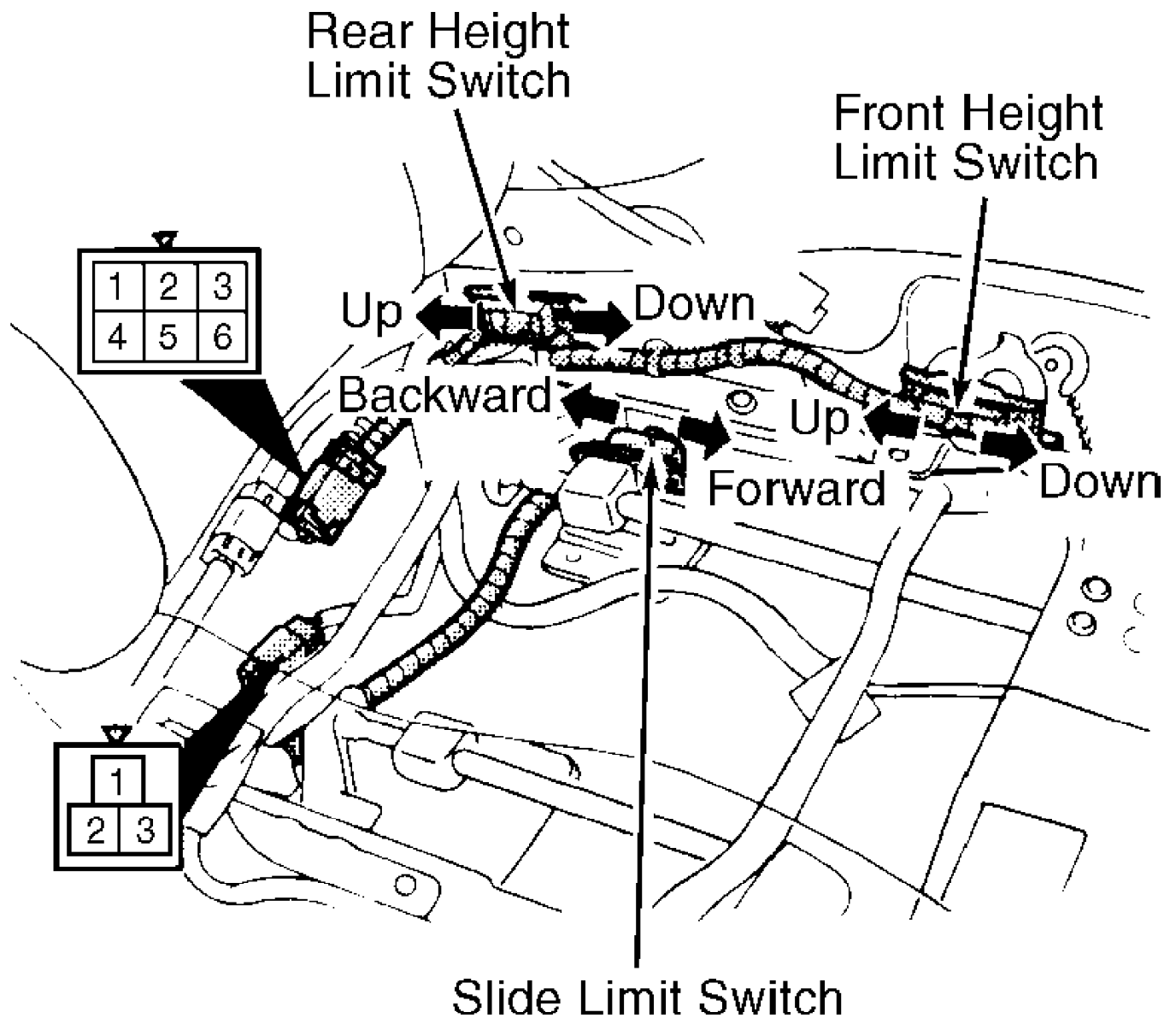
3000GT (Driver's Seat)

Disconnect each limit switch harness connector. Operate each switch to check continuity between specified pins using ohmmeter. See LIMIT SWITCH CONTINUITY TABLE (3000GT). See Fig. 2. Replace power seat adjuster assembly if any switch fails testing.

LIMIT SWITCH CONTINUITY TABLE (3000GT)

Switch Position	Check Continuity Between Pins No.
Slide Limit Switch	
Forward	1 & 3
Backward	1 & 2
Middle (ON)	1, 2 & 3
Front & Rear Height Limit Switch	

Front Up	1 & 3
Front Down	1 & 2
Front Middle (ON)	1, 2 & 3
Rear Up	4 & 6
Rear Down	4 & 5
Rear Middle (ON)	4, 5 & 6



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Fig. 2: Identifying Limit Switch Connectors (3000GT)
 Courtesy of Mitsubishi Motor Sales of America

LUMBAR/SIDE ADJUSTMENT SWITCH

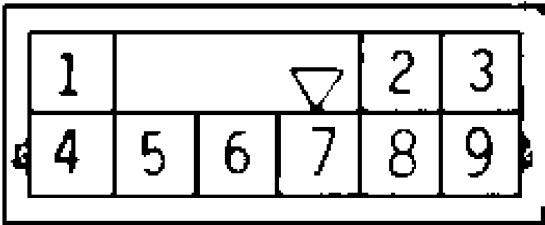
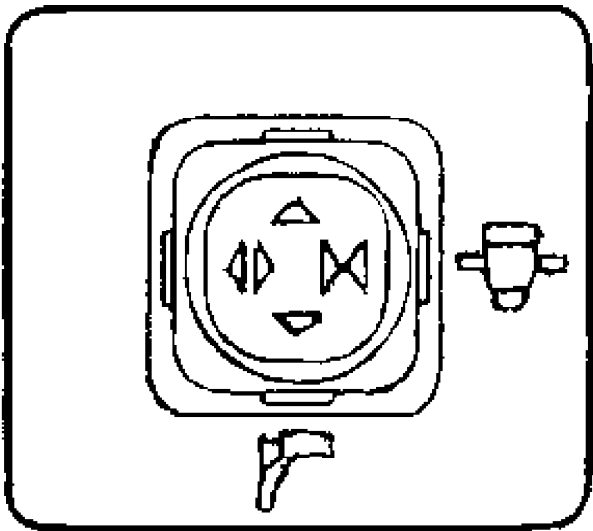
3000GT

Remove switch from center console. Using ohmmeter, check continuity of switch. See LUMBAR/SIDE ADJUSTMENT SWITCH CONTINUITY TABLE (3000GT). See Fig. 3.

Replace switch if continuity is not as specified.

LUMBAR/SIDE ADJUSTMENT SWITCH CONTINUITY TABLE (3000GT)

Switch Position	Check Continuity Between Pins No.
Lumbar Support	
Push	2 & 3; 5 & 7
Off	2, 3 & 5
Release	2 & 5; 3 & 7
Side Support	
Spread	1 & 2; 7 & 8
Off	1, 2 & 8
Close	1 & 7; 2 & 8



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Fig. 3: Identifying Lumbar/Side Adjustment Switch Terminals (3000GT)
Courtesy of Mitsubishi Motor Sales of America

POWER SEAT MOTORS

Eclipse, Galant & Montero

Disconnect each motor harness connector. Connect 12-volt power supply to motor connector terminals. Reverse power supply leads to reverse direction of motor operation. Motor should operate freely and smoothly. If any motor does not operate correctly, replace power seat adjuster assembly. Motors cannot be replaced individually.

3000GT

Disconnect each motor harness connector. To access lumbar and side support motor harness connectors, remove seatback panel. Connect 12-volt power supply to motor connector terminals. Reverse power supply leads to reverse direction of motor operation. Motor should operate freely and smoothly. If any motor does not operate correctly, replace power seat adjuster assembly or seatback assembly. Motors cannot be replaced individually.

POWER SEAT SWITCH

Eclipse & 3000GT

Disconnect power seat switch harness connector. Using ohmmeter, check continuity of switch. See POWER SEAT SWITCH CONTINUITY TABLE (ECLIPSE & 3000GT) . See Fig. 4. Replace switch if continuity is not as specified.

POWER SEAT SWITCH CONTINUITY TABLE (ECLIPSE & 3000GT)

Switch Position	Check Continuity Between Pins No.
Slide Switch	
Forward	2 & 3; 4 & 14
Backward	1 & 4; 3 & 14
Front Height Switch	
Up	9 & 10; 11 & 14
Down	8 & 11; 10 & 14
Rear Height Switch	
Up	6 & 12; 7 & 14
Down	5 & 7; 12 & 14
All Switches Off	No Continuity, All Terminals

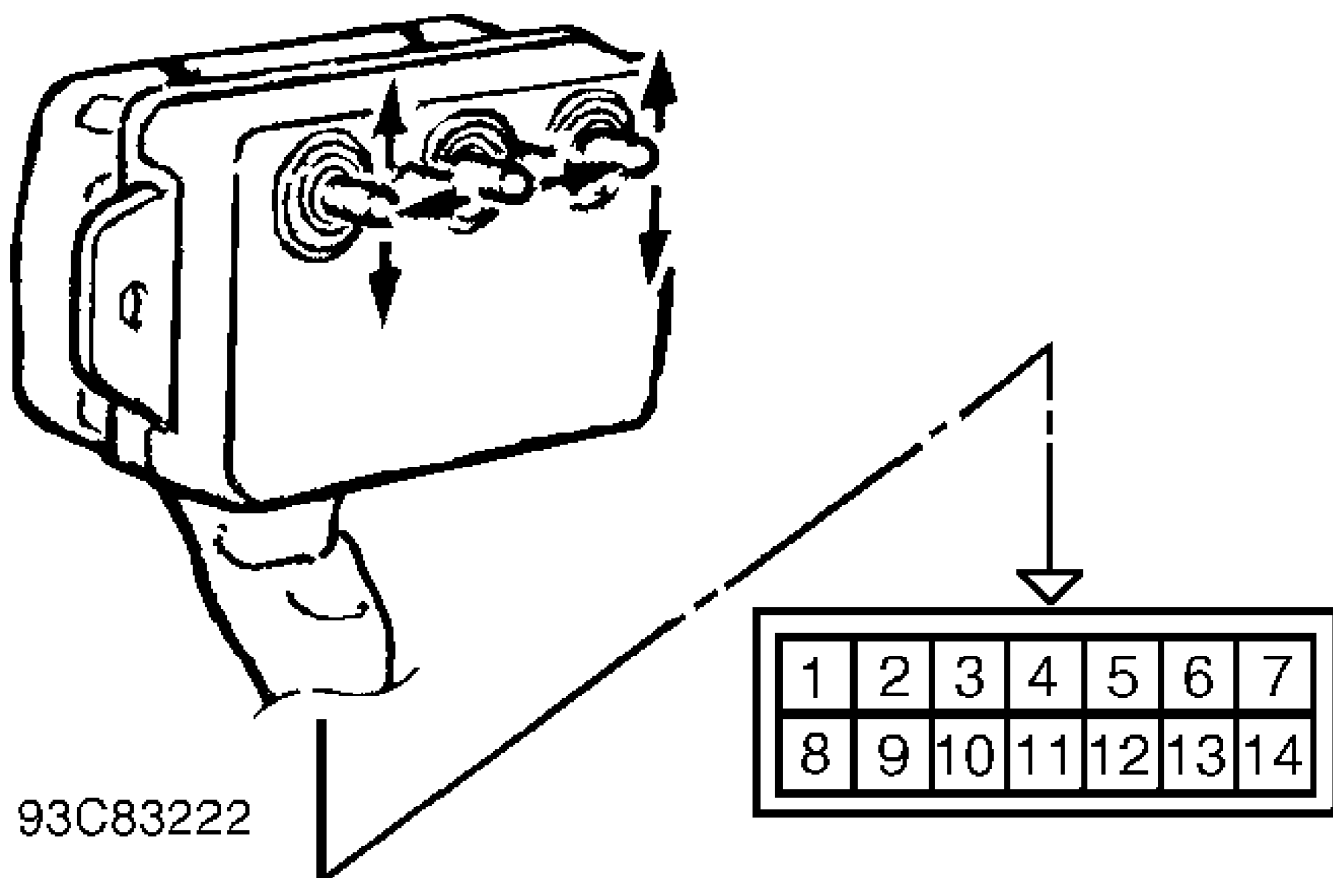


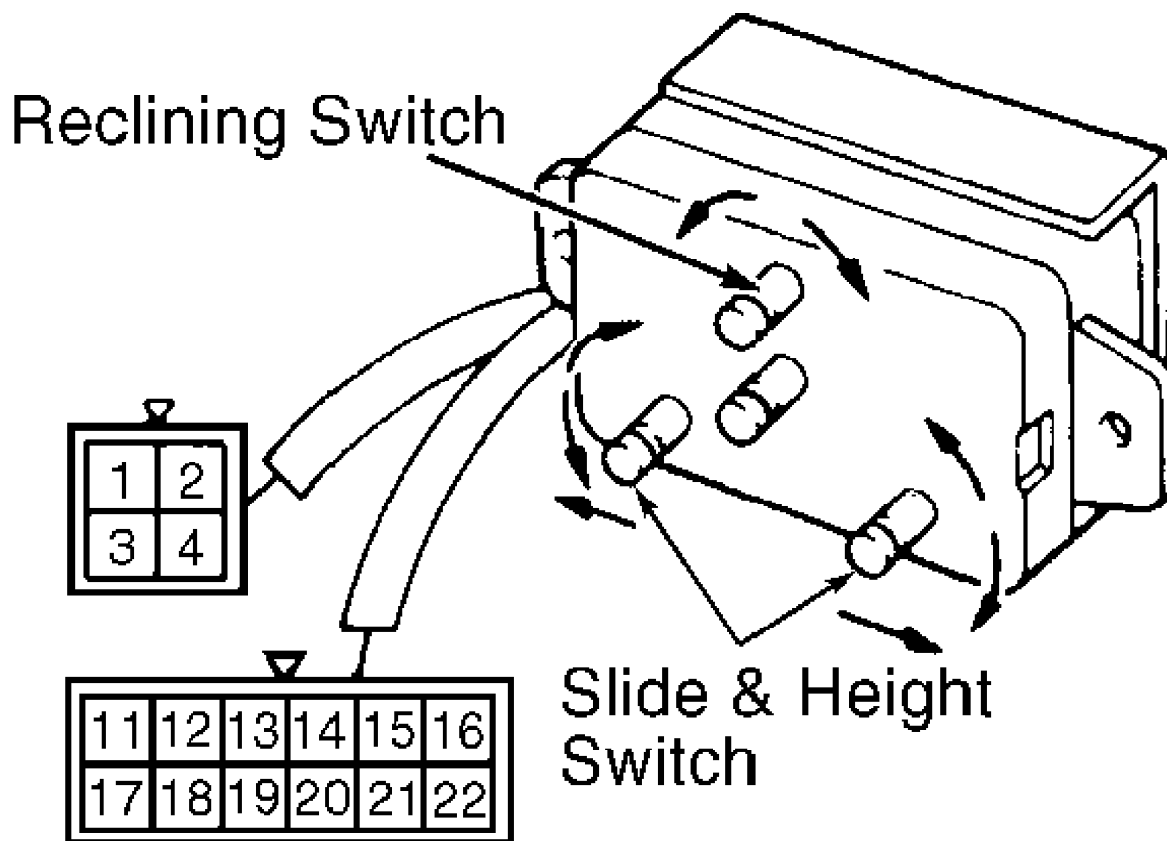
Fig. 4: Identifying Power Seat Switch Terminals (Eclipse & 3000GT)
Courtesy of Mitsubishi Motor Sales of America

Galant

Disconnect power seat switch harness connector. Using ohmmeter, check continuity of switch. See POWER SEAT SWITCH CONTINUITY TABLE (GALANT) . See Fig. 5. Replace switch if continuity is not as specified.

POWER SEAT SWITCH CONTINUITY TABLE (GALANT)

Switch Position	Check Continuity Between Pins No.
Driver's & Passenger's Seat	
Front Height Switch	
Up	11 & 14; 13 & 22
Down	12 & 13; 14 & 22
Rear Height Switch	
Up	17 & 18; 15 & 22
Down	15 & 19; 17 & 22
Slide Switch	
Forward	1 & 4; 3 & 22
Backward	2 & 3; 4 & 22
Reclining Switch	
Forward	16 & 21; 20 & 22
Backward	16 & 20; 21 & 22
All Switches	
Off	1 & 4; 2 & 3; 11 & 14; 12 & 13; 15 & 19; 16, 20 & 21; 17 & 18



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Fig. 5: Identifying Power Seat Switch Terminals (Galant)
Courtesy of Mitsubishi Motor Sales of America

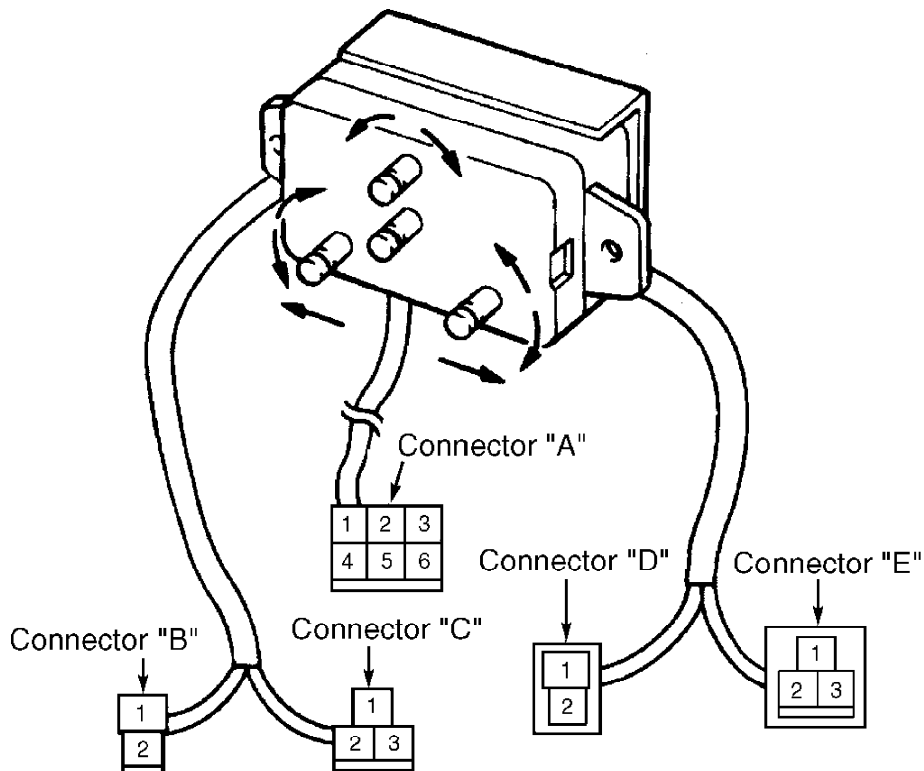
Montero
Disconnect power seat switch harness connector. Using

ohmmeter, check continuity of switch. See POWER SEAT SWITCH CONTINUITY TABLE (MONTERO) . See Fig. 6. Replace switch if continuity is not as specified.

POWER SEAT SWITCH CONTINUITY TABLE (MONTERO)

Switch Position	(1) Check Continuity Between Pins No.
Driver's Seat	
Front Height Switch	
Up	A-1 & B-2; B-1 & C-3
Down	A-1 & B-1; B-2 & C-2
Rear Height Switch	
Up	A-1 & D-2; D-1 & E-2
Down	A-1 & E-3; D-2 & E-3
Slide Switch	
Forward	A-1 & A-2
Backward	A-1 & A-5
Reclining Switch	
Forward	A-1 & A-3
Backward	A-1 & A-6
All Switches	
Off	A-2, A-3, A-4, A-5, A-6, C-1 & E-1

(1) - Letter prefix identifies connector.



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Fig. 6: Identifying Power Seat Switch Terminals (Montero)
Courtesy of Mitsubishi Motor Sales of America

REMOVAL & INSTALLATION

SEAT ASSEMBLY

Removal & Installation (Functioning Power Seat)

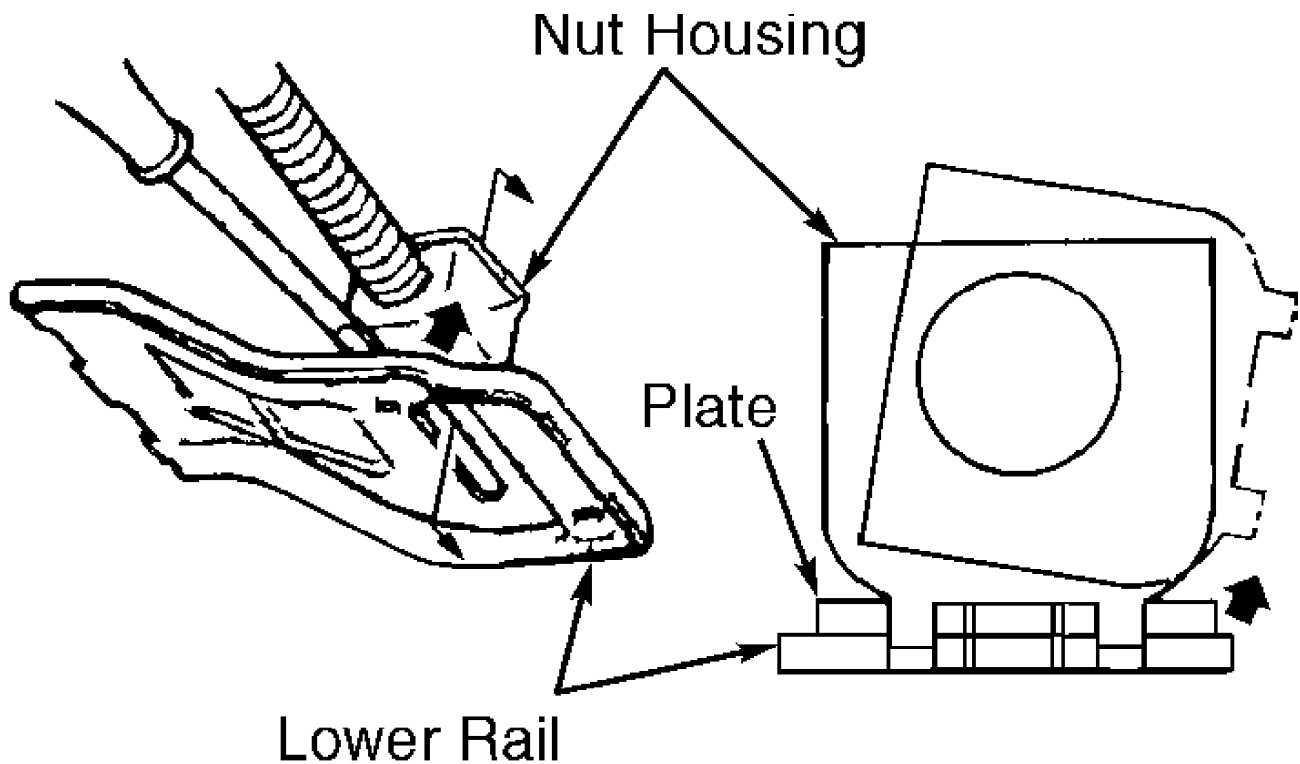
With ignition on, move seat fully rearward. Remove front seat anchor covers and remove nuts. Move seat fully forward. Remove rear seat anchor covers and remove bolts. Turn ignition off. Disconnect electrical harness connectors. Remove seat assembly. To install, reverse removal procedure.

Removal & Installation (Malfunctioning Power Seat)

1) Removal of seat assembly front or rear mounting bolt is not possible due to malfunction of slide motor, slide switch or frozen slide rails. If seat is stuck in forward position, go to next step. If seat is stuck in rearward position, go to step 3).

2) Remove rear seat anchor covers and mounting bolts. Remove adjuster screw nut housing mounting bolt. See Fig. 7. Both adjuster screw nut housings mount to center of slider frame rail. Insert screwdriver blade between housing nut and rail. Lift and rotate housing nut. Slide seat back and remove front anchor nuts. Once seat is repaired, install housing nut bolts.

3) Lift up front seat cushion cover to expose slide motor. Remove slide motor mounting bolts. If seat assembly cannot be moved forward, remove slide motor bracket mounting bolts. Move seat forward and remove rear anchor bolts. Once seat is repaired, install slide motor bracket mounting bolts.



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Fig. 7: Disconnecting Nut Housing (Typical)
Courtesy of Mitsubishi Motor Sales of America

WIRING DIAGRAMS

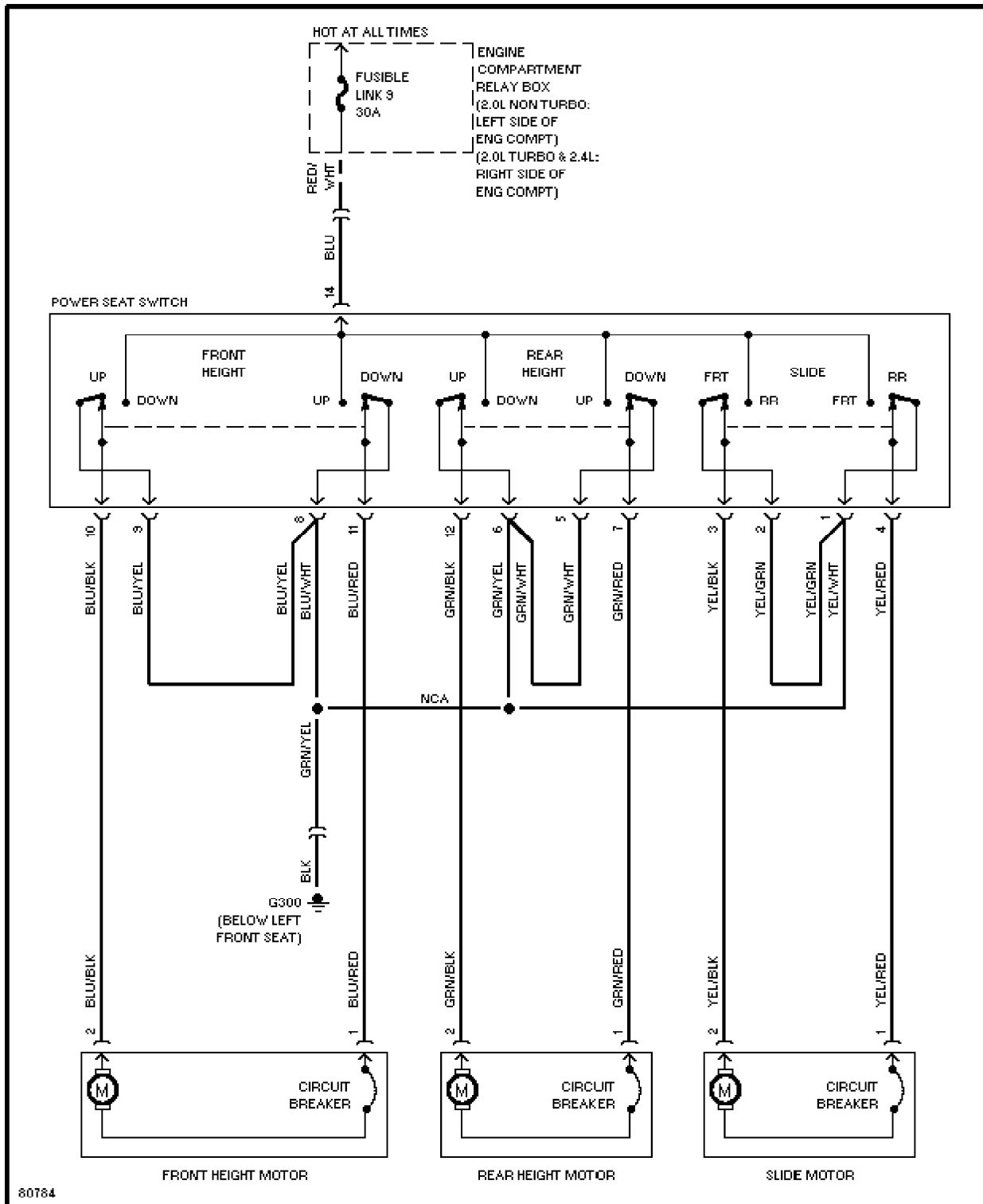


Fig. 8: Power Seats Wiring Diagram (Eclipse)

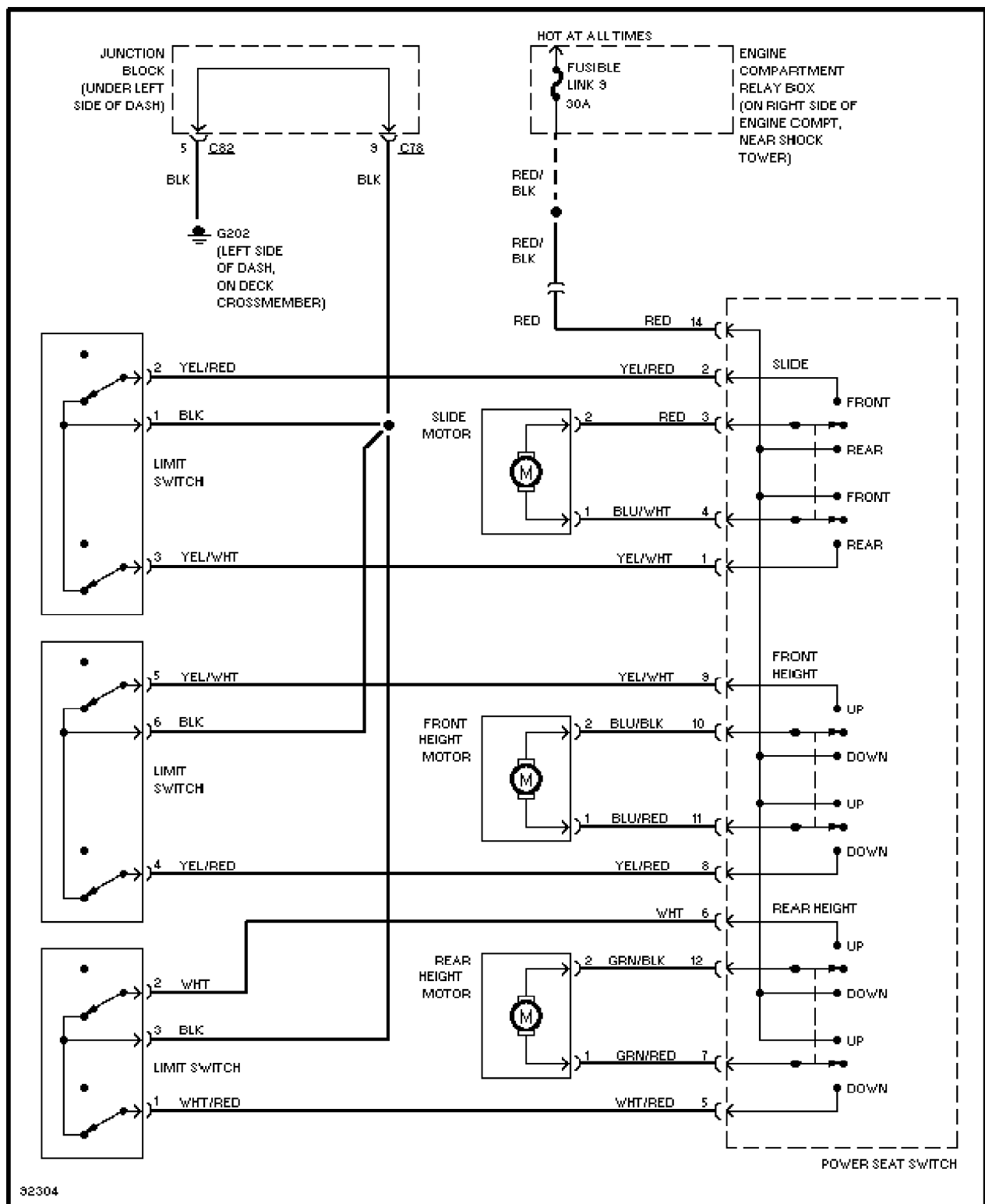


Fig. 9: Power Seats Wiring Diagram (3000GT)

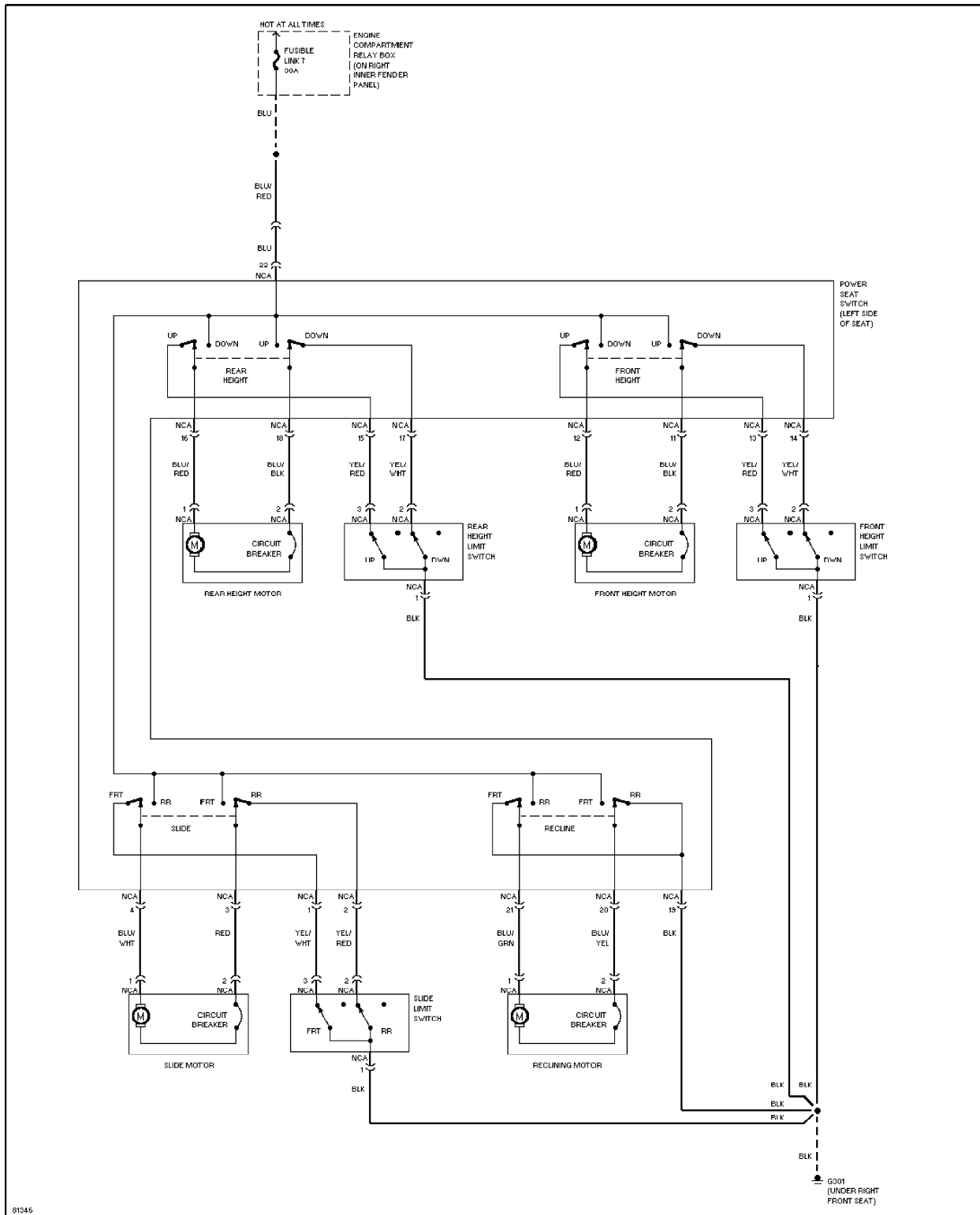


Fig. 10: Power Seats Wiring Diagram (Galant)

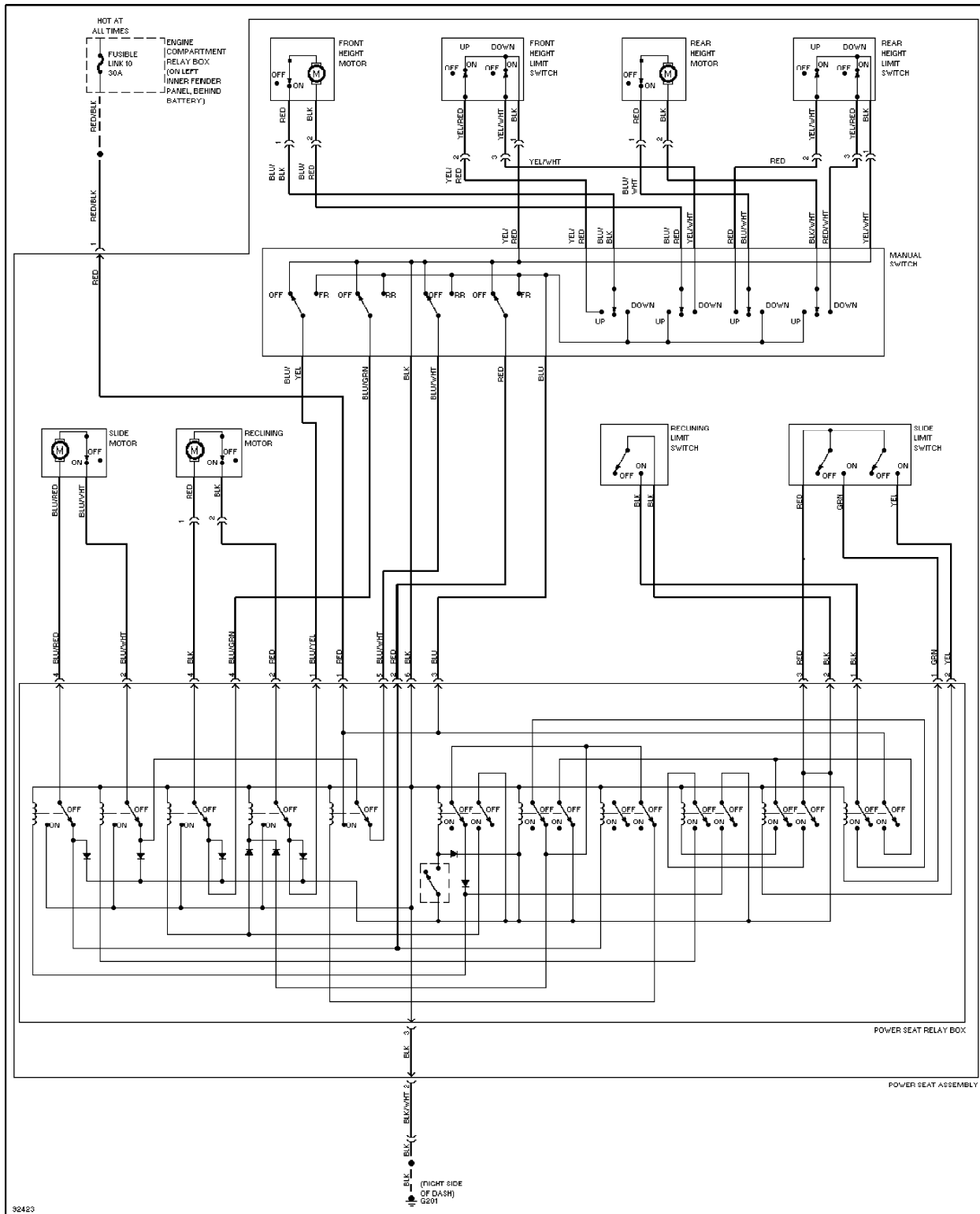


Fig. 11: Power Seats Wiring Diagram (Montero)

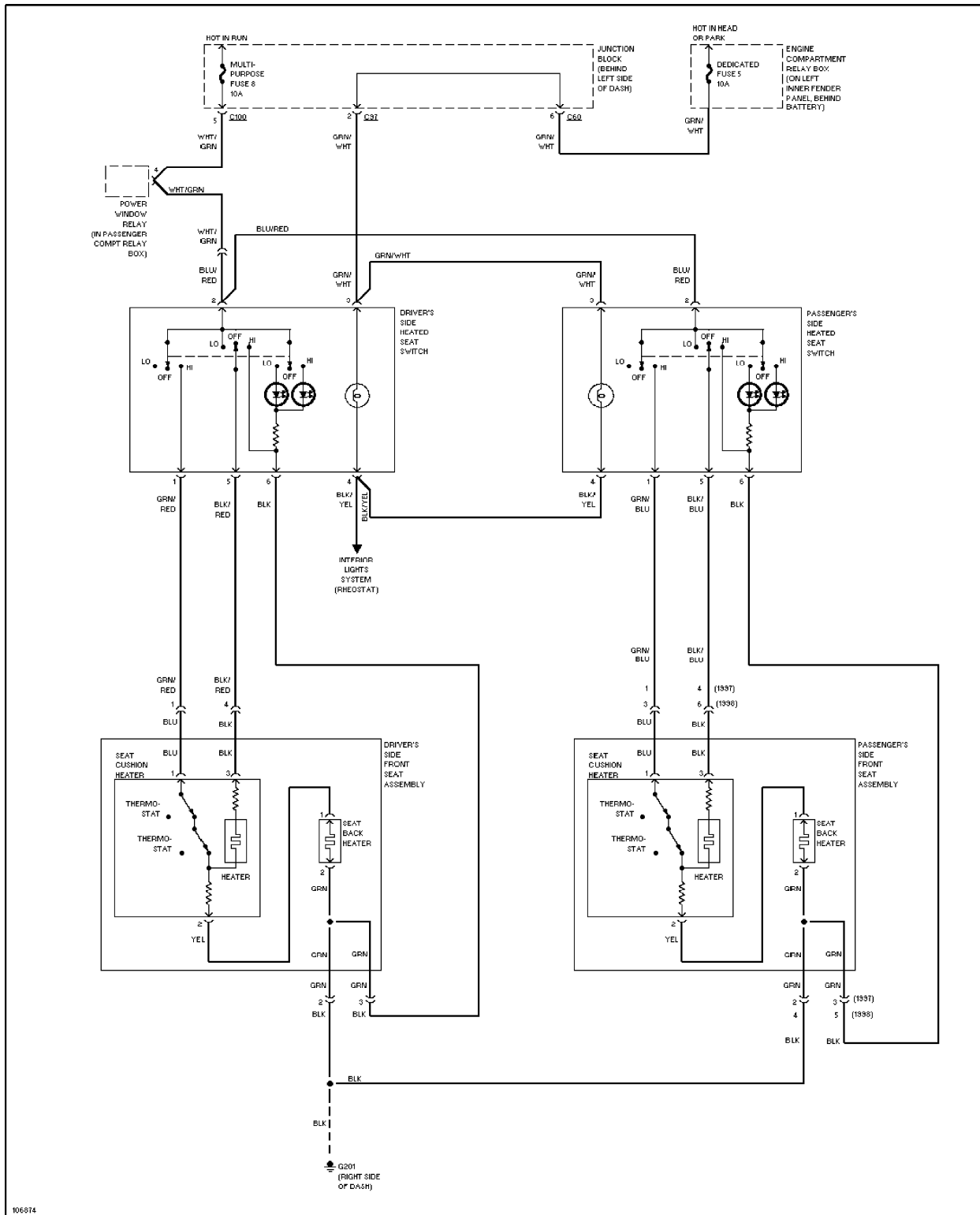


Fig. 12: Heated Seats Wiring Diagram (Montero)

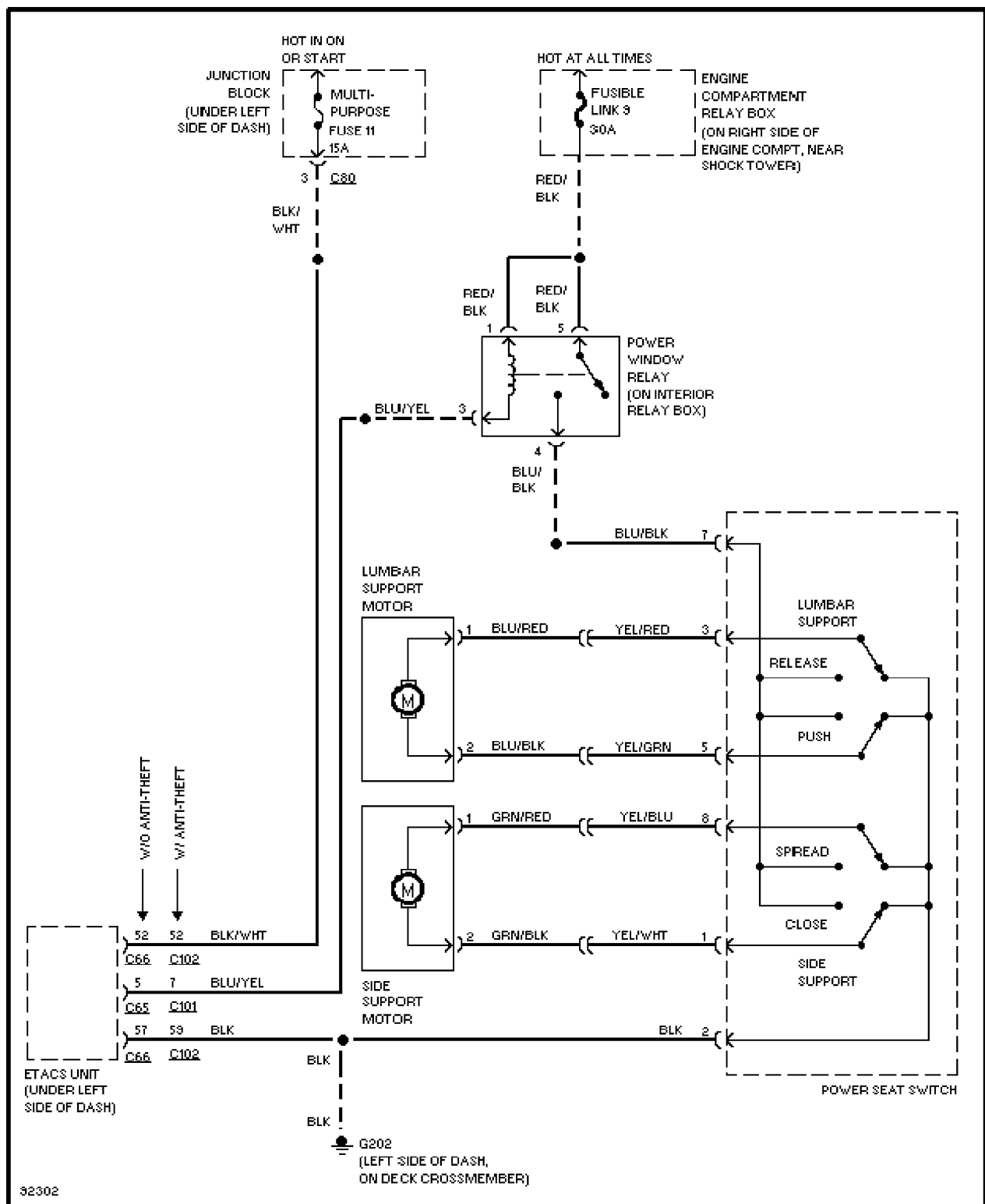


Fig. 13: Power Lumbar Support Wiring Diagram (3000GT)