

POWR SEATS

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GENERAL INFORMATION

Power seats can be adjusted in six different directions up, down, forward, back, tilt forward, or tilt rearward.

A three armature permanent magnet reversible motor is coupled through cables to worm gear box assemblies located in the seat tracks, providing the various seat movements.

The electrical circuit is protected by a 30 amp circuit breaker located on the fuse block.

TEST PROCEDURES

Before any testing is attempted the battery should be carefully charged and all connections and terminals cleaned and tightened to insure proper continuity and grounds.

With dome lamp on, apply switch in direction of failure. If dome lamp dims the seat motor is trying to work indicating mechanical jamming. If dome lamp does not dim, then proceed with the following electrical tests.

CIRCUIT BREAKER TEST

Find correct circuit breaker on fuse block. Pull out slightly but be sure that circuit breaker terminals still contact terminals in fuse block. Connect ground wire of voltmeter to a good ground. With probe of voltmeter positive wire, check both terminals of circuit breaker for battery voltage. If only one terminal checks at battery voltage, circuit breaker is defective and must be replaced. If neither terminal shows battery voltage, check for open or shorted circuit to circuit breaker.

HARNESS VOLTAGE TEST

The following test will determine whether or not voltage is continuous through the body harness to the switch.

(1) Remove power seat switch from mounting position and disconnect switch from wiring harness.

(2) Connect one lead of test light to ground terminal, black wire (BK) of center section, and touch other test light lead to red wire (RD) terminal.

(3) If test light comes on, harness to switch is good. If test light does not come on, perform circuit breaker test.

MOTOR TESTS

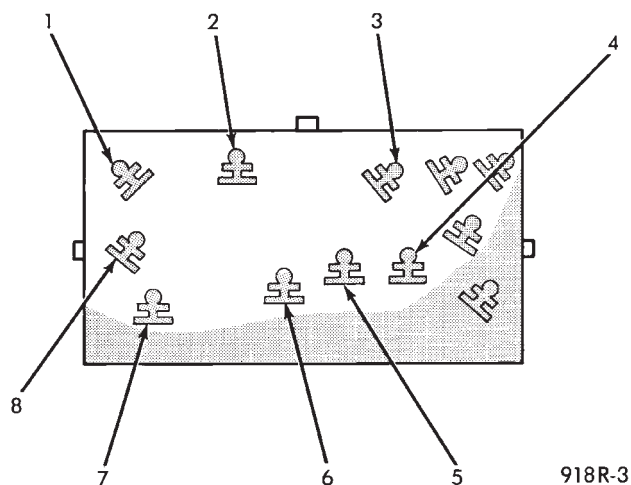
AA BODY

(1) Remove switch from mounting position and disconnect from harness.

(2) To check the center motor, connect a jumper wire between pin 5 and pin 3 (Fig. 1). Connect a second jumper wire between pin 7 and pin 4. If motor does not operate, reverse the jumpers, pin 5 to pin 4 and pin 7 to pin 3. If motor still does not operate check wiring between switch connector and motor assembly. If wiring checks good replace motor assembly.

(3) To check the front motor, connect a jumper wire between pin 5 and pin 1 (Fig. 1). Connect a second jumper wire between pin 7 and pin 8. If motor does not operate, reverse the jumpers, pin 5 to pin 8 and pin 7 to pin 1. If motor still does not operate check wiring between switch connector and motor assembly. If wiring checks good replace motor assembly.

(4) To check the rear motor, connect a covered jumper wire between pin 5 and pin 6 (Fig. 1). Con-



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Fig. 1 Power Seat Switch Connector-AA Body

nect a second jumper wire between pin 7 and 2. If motor does not operate, reverse the jumpers, pin 5 to pin 2 and pin 7 to 6. If motor still does not operate check wiring between switch connector and motor assembly. If wiring checks good replace motor assembly.

(5) If all motors and the seat operate properly, perform Switch Test.

AG & AJ BODIES

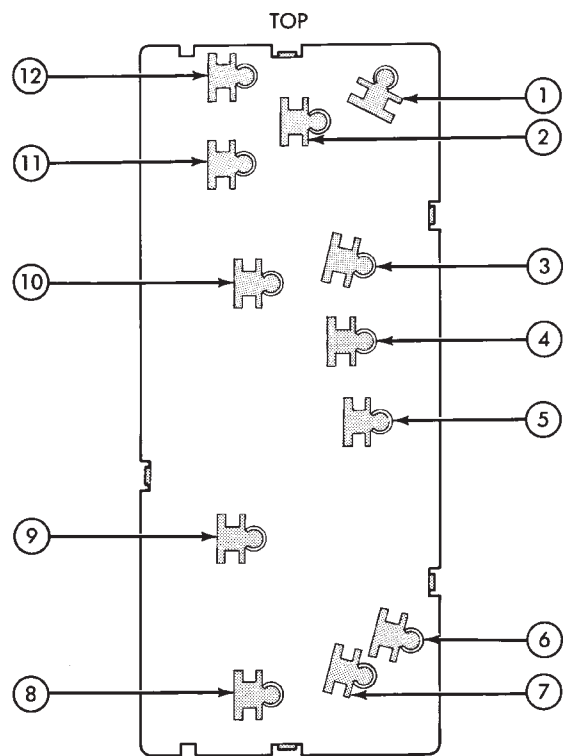
(1) Remove switch from mounting position and disconnect from harness.

(2) To check the front motor, connect a jumper wire between cavity number 2 and cavity number 9 (Fig. 2). Connect a second jumper wire between cavity number 6 and cavity number 5. If the motor does not operate, reverse the jumpers, 2 to 5 and 6 to 9. If motor still does not operate check wiring between switch connector and motor assembly. If wiring checks good replace motor assembly.

(3) To check the center motor, connect a jumper wire between cavity number 2 and cavity number 8. Connect a second jumper wire between cavity number 6 and cavity number 7. If the motor does not operate, reverse the jumpers, 2 to 7 and 6 to 8. If motor still does not operate check wiring between switch connector and motor assembly. If wiring checks good replace motor assembly.

(4) To check the rear motor, connect a jumper between cavity number 2 and cavity number 10. Connect a second jumper wire between cavity number 6 and cavity number 3. If the motor does not operate, reverse the jumpers, 2 to 3 and 6 to 10. If motor still does not operate, check wiring between switch connector and motor assembly. If wiring checks good replace motor assembly.

(5) To check the seatback recliner motor if equipped, connect a jumper wire between cavity number 2 and cavity number 1. Connect a second jumper wire between cavity number 6 and cavity number 11.



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Fig. 2 Power Seat Switch Connector-AG & AJ Bodies

If the motor does not operate, reverse the jumpers (2 to 11 and 6 to 1). If motor still does not operate check wiring between switch connector and motor assembly. If wiring checks good replace motor assembly.

(6) If all motors and the seat operate properly, perform Switch Test.

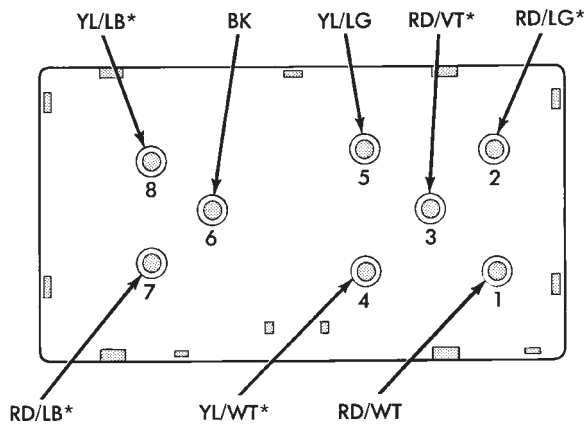
AC AND AY BODIES

The following tests do not apply to left seat on vehicles equipped with memory mirrors/seats. Refer to test procedures for power memory mirrors/seats in this section.

(1) Remove switch from mounting position and disconnect from harness.

(2) To check the front motor, connect a jumper wire between cavity number 3 and cavity number 8 (Fig. 3 and 4). Connect a second jumper wire between cavity number 6 and cavity number 7. If the motor does not operate, reverse the jumpers, 3 to 7 and 6 to 8. If the motor still does not operate check the wiring between switch connector and motor assembly. If wiring checks good replace motor assembly.

(3) To check the center motor, connect a jumper wire between cavity number 3 and cavity number 5. Connect a second jumper wire between cavity number 6 and cavity number 2. If the motor does not operate, reverse the jumpers, 3 to 2 and 6 to 5. If the



*VIEW FROM SWITCH SIDE OF CONNECTOR

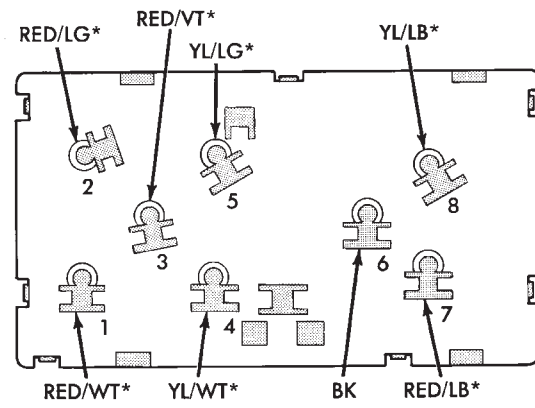
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Fig. 3 Left Power Seat Switch-AC & AY Bodies

motor still does not operate check the wiring between switch connector and motor assembly. If wiring checks good replace motor assembly.

(4) To check the rear motor, connect a jumper wire between cavity number 3 and cavity number 4. Connect a second jumper wire between cavity number 6 and cavity number 13. If the motor does not operate, reverse the jumpers, 3 to 13 and 6 to 4. If the motor still does not operate check the wiring between switch connector and motor assembly. If wiring checks good replace motor assembly.

(5) If all motors and the seat operate properly, perform Switch Test.



VIEW FROM SWITCH SIDE OF CONNECTOR

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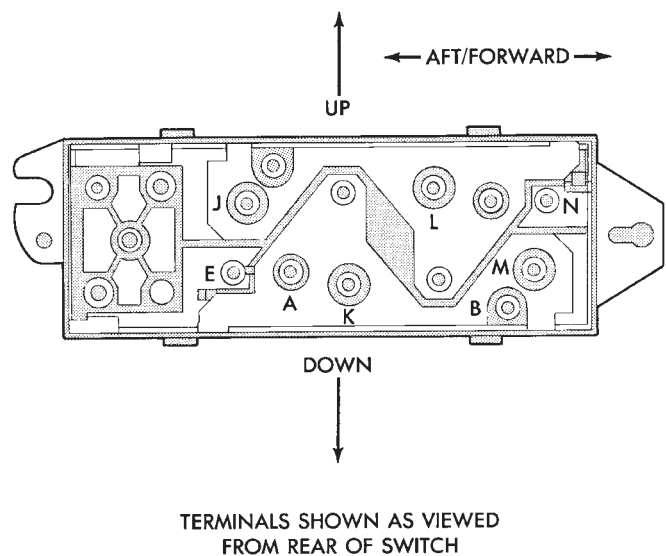
Fig. 4 Right Power Seat Switch-AC & AY Bodies**SWITCH TEST**

To check the switch, remove the switch from its mounting position. Using an ohmmeter, perform switch continuity test (Fig. 5, 6 and 7). If there is no continuity at any one of the switch positions, replace the switch.

SEAT ASSEMBLY**REMOVAL**

- (1) Remove adjuster attaching bolts and nuts from floor pan. Move adjuster as required for access.
- (2) Disconnect battery negative cable.
- (3) Disconnect wiring harness power lead at carpet.
- (4) Remove assembly from vehicle.

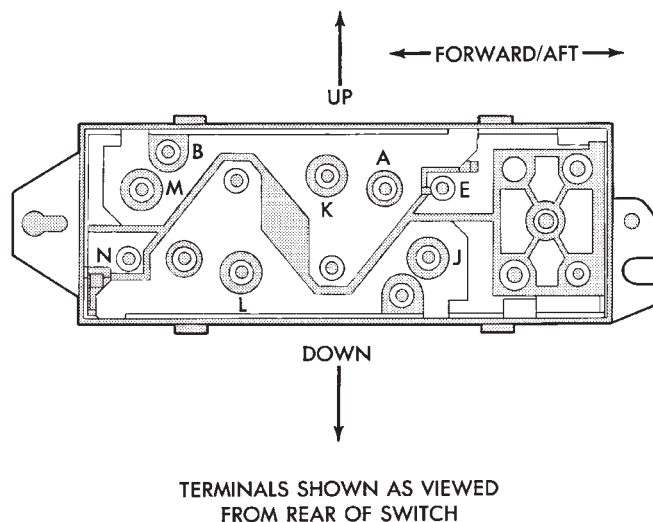
SWITCH POSITION	CONTINUITY BETWEEN
OFF	B-N, B-J, B-M, B-E, B-L, B-K
VERTICAL UP	A-E, A-M, B-N, B-J
VERTICAL DOWN	A-J, A-N, B-M, B-E
HORIZONTAL FORWARD	A-L, B-K
HORIZONTAL AFT	A-K, B-L
FRONT TILT UP	A-M, B-N
FRONT TILT DOWN	A-N, B-M
REAR TILT UP	A-E, B-J
REAR TILT DOWN	A-J, B-E



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Fig. 5 Switch Continuity-AA Body

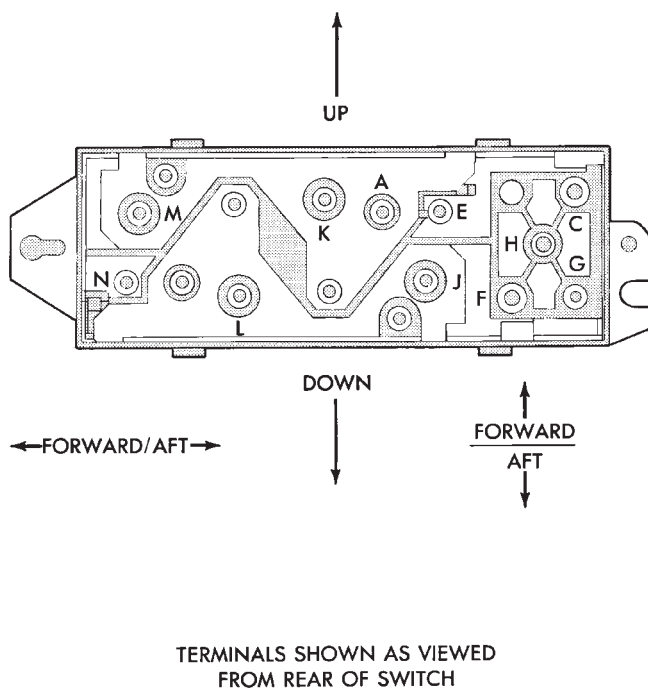
SWITCH POSITION	CONTINUITY BETWEEN
OFF	B-N, B-J, B-M, B-E, B-K, B-L
VERTICAL UP	B-M, B-E, A-N, A-J
VERTICAL DOWN	B-N, B-J, A-M, A-E
HORIZONTAL FORWARD	B-K, A-L
HORIZONTAL AFT	B-L, A-K
FRONT TILT UP	B-M, A-N
FRONT TILT DOWN	B-N, A-M
REAR TILT UP	B-E, A-J
REAR TILT DOWN	B-J, A-E



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Fig. 6 Switch Continuity–AJ Body

SWITCH POSITION	CONTINUITY BETWEEN
OFF	B-N, B-J, B-M, B-K, B-E, B-L, G-C
VERTICAL UP	B-M, B-E, A-N, A-J
VERTICAL DOWN	B-N, B-J, A-M, A-E
HORIZONTAL FORWARD	B-K, A-L
HORIZONTAL AFT	B-L, A-K
FRONT TILT UP	B-M, A-N
FRONT TILT DOWN	B-N, A-M
REAR TILT UP	B-E, A-J
REAR TILT DOWN	B-J, A-E
RECLINER FORWARD	G-C, H-F
RECLINER AFT	G-F, H-C



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Fig. 7 Switch Continuity–AG & AJ Bodies (8-Way)**INSTALLATION**

- (1) Position seat assembly in vehicle.
- (2) Connect wiring harness.

(3) Install and tighten mounting bolts and nuts to 28 N·m (250 in. lbs.) torque.

(4) Connect battery negative cable and check seat operation.

HORIZONTAL AND VERTICAL TRANSMISSIONS

Transmissions are not removable and no maintenance is required. If transmission fails replace entire seat adjuster assembly.

ADJUSTER

REMOVAL

- (1) Remove seat assembly from vehicle following procedure outlined under Seat Assembly Removal.
- (2) Lay seat on its back on some clean surface.
- (3) Remove bolts attaching adjuster to seat assembly (Fig. 8 through 11).
- (4) Disconnect wiring harness at switch if seat mounted switch is used.
- (5) Remove tie straps holding cable housing to seat for power bench seat adjuster only.

INSTALLATION

- (1) Lay seat on its back on a clean surface.
- (2) Position adjuster to seat assembly and install attaching bolts.
- (3) Connect wiring harness at switch and replace tie straps where removed.
- (4) Install seat following procedure outlined under Seat Assembly Installation.

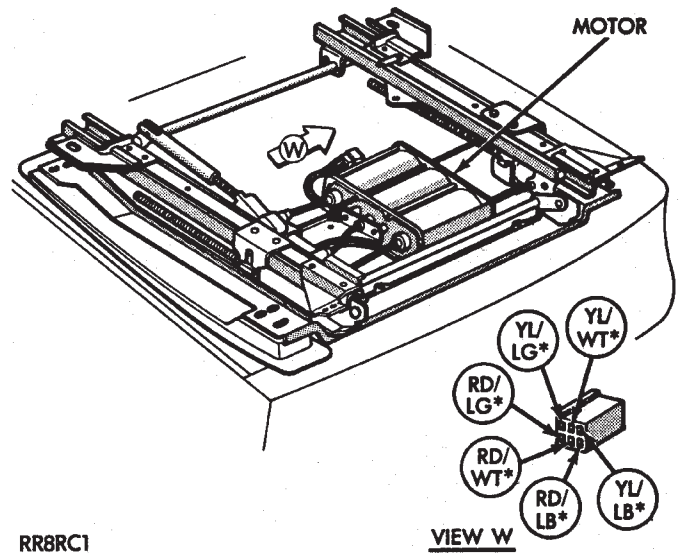


Fig. 8 Seat Adjuster-AC and AJ Bodies

MOTOR

REMOVAL

Anytime the motor, cable and housing assemblies, or vertical and horizontal transmission assemblies, require maintenance, the assemblies must be synchronized to insure easy and proper operation.

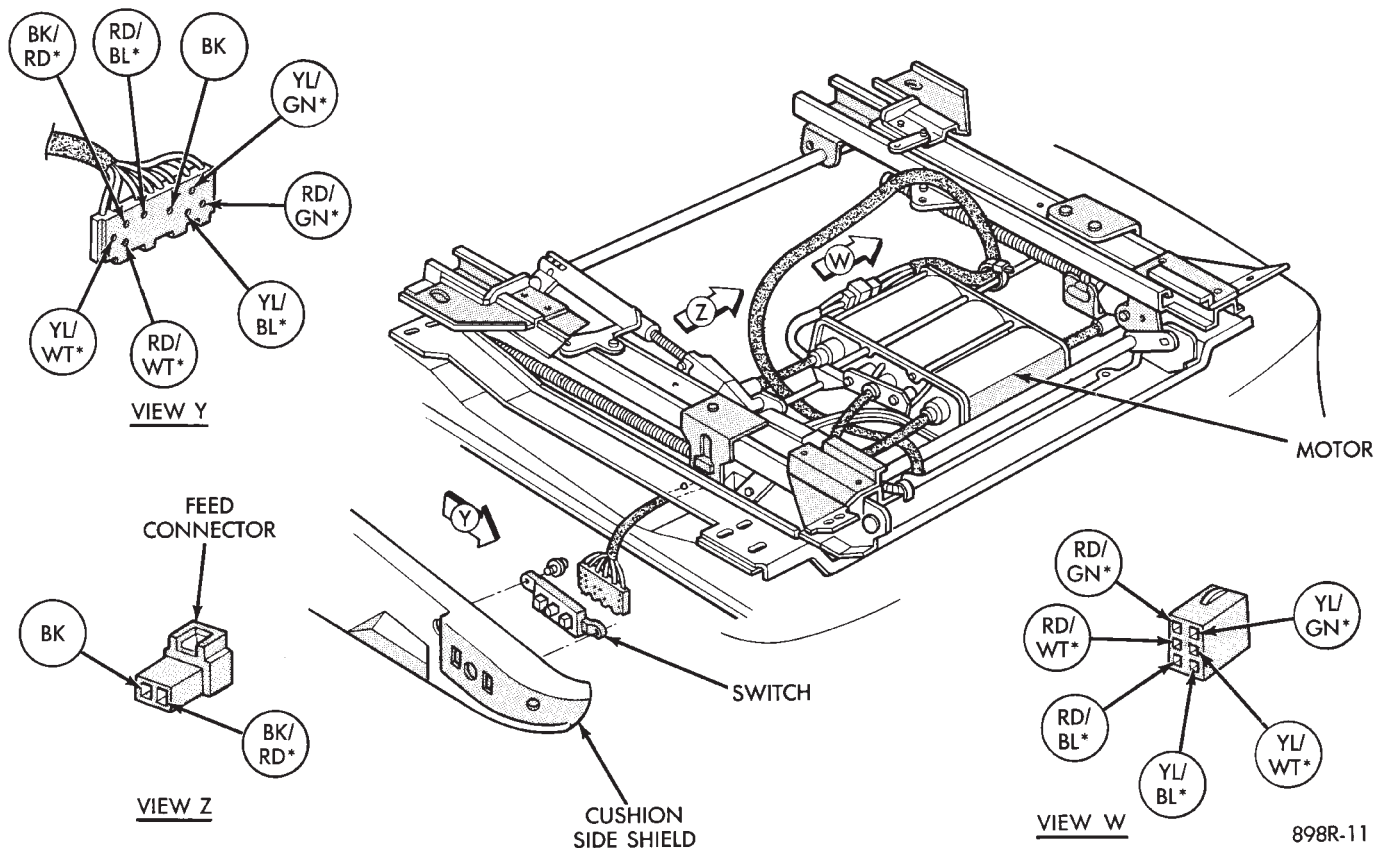


Fig. 9 Seat Adjuster-AA Body

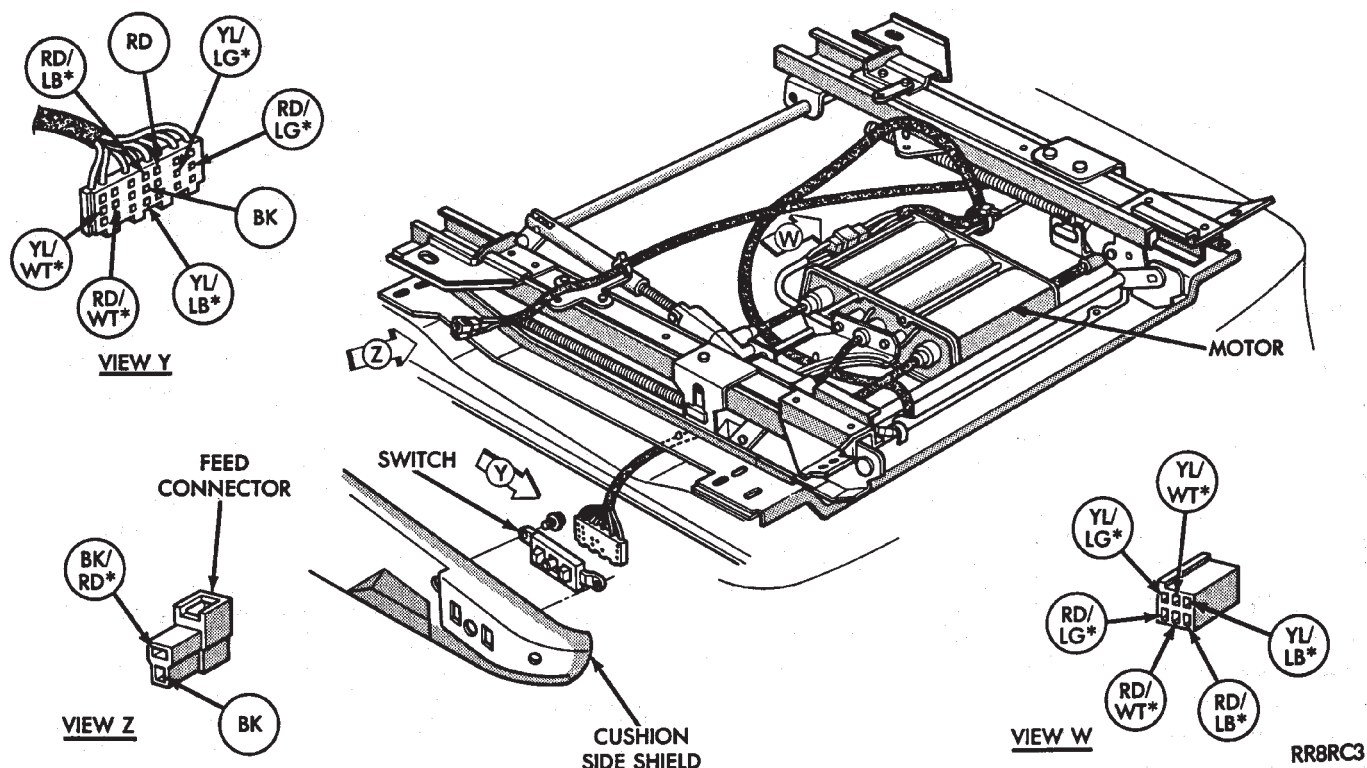
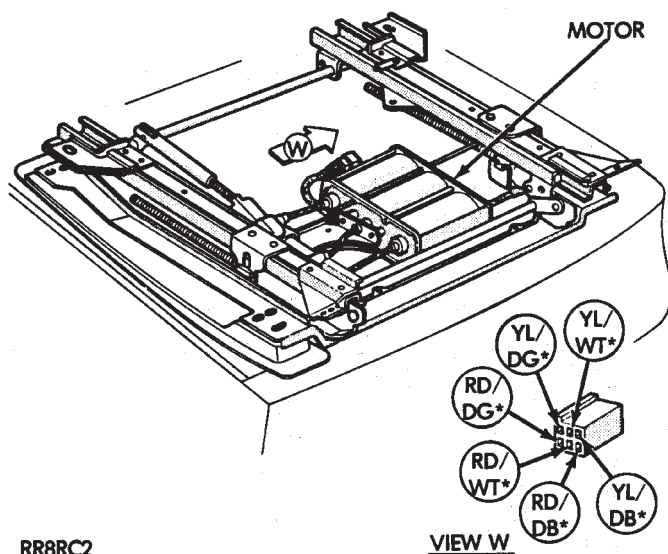


Fig. 10 Seat Adjuster-AP Body



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Fig. 11 Seat Adjuster-AG Body

(1) Remove seat assembly from vehicle following procedure outlined under Seat Assembly Removal (Fig. 8 through 11).

(2) Lay seat assembly on its back on a clean surface.

(3) Remove motor mounting screws.

(4) Carefully disconnect housing and cables from motor assembly.

INSTALLATION

(1) Place motor assembly into position.

(2) Carefully connect cables and housings to motor assembly.

(3) Install mounting screws.

(4) Install bolt holding motor assembly to adjuster.

(5) Install seat following procedure outlined under Seat Assembly Installation.

ENTHUSIAST SEAT

AG and AJ body vehicles have, as an option, a special enthusiast seat package. The seat includes not only the normal six-way power seat adjuster, but also special lumbar air filled support bag and adjustable seat back side wings (Fig. 12). These mechanisms are adjusted by a switch located on the right side seat wing. Refer to Owner Manual supplied with vehicle for complete instructions for seat operation.

SWITCH TEST

For switch testing, remove switch from its mounting location. Using an ohmmeter, refer to Figures 13 and 14 to determine if continuity is correct. If these results are not obtained, replace the switch.

SWITCH REPLACEMENT REMOVAL

(1) Remove left cushion side shield.

(2) Disconnect wiring from switch.

(3) Depress bezel retainers and push switch from bezel.

(4) For installation, reverse above procedure.

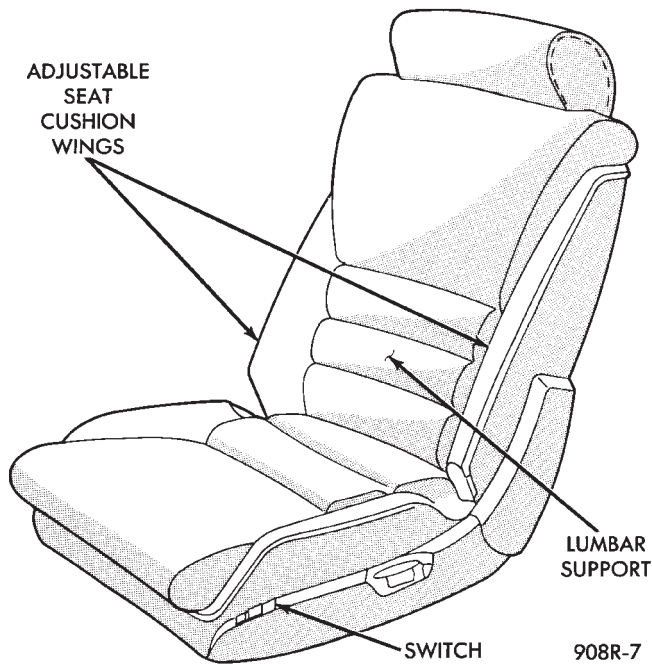
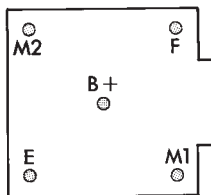


Fig. 12 Enthusiast Seat-AG and AJ Body

SEAT WING SWITCH CONTINUITY



REAR VIEW OF SWITCH

OFF	E-M1, F-M2
OUT	E-M1, M2-B +
IN	F-M2, M1-B +

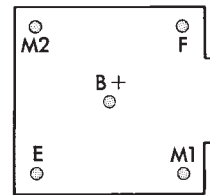
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Fig. 13 Seat Wing Switch Continuity

POWER MEMORY SEAT, RECLINER AND MIRRORS

AC & AY Body vehicles have, as an option, a special 2 position memory power seat, recliner and memory power outside rear view mirror system. Each of the components can be moved to a desired position by operating switches (Fig. 15). The seat and recliner use potentiometers as position sensors and the mirrors use rheostats to send their positioning information back to the control module in the driver's seat. After the desired seat and mirror position is set. The

LUMBAR SWITCH CONTINUITY



REAR VIEW OF SWITCH

OFF	E-M1, F-M2
INFLATE	E-M1, M2-B +
DEFLATE	F-M2, M1-B +

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Fig. 14 Lumbar Switch Continuity

seat, recliner, and mirror position can be memorized at any time by pressing and release the Set button. Followed by pressing the Position 1 or 2 button, for the specific position desired. DO NOT press any other seat related switch for at least 5 seconds. However, for the driver to recall a position, the vehicle must not be moving and the seat belt must NOT be buckled. Refer to the Owners Manual supplied with the vehicle for complete instructions on system operation.

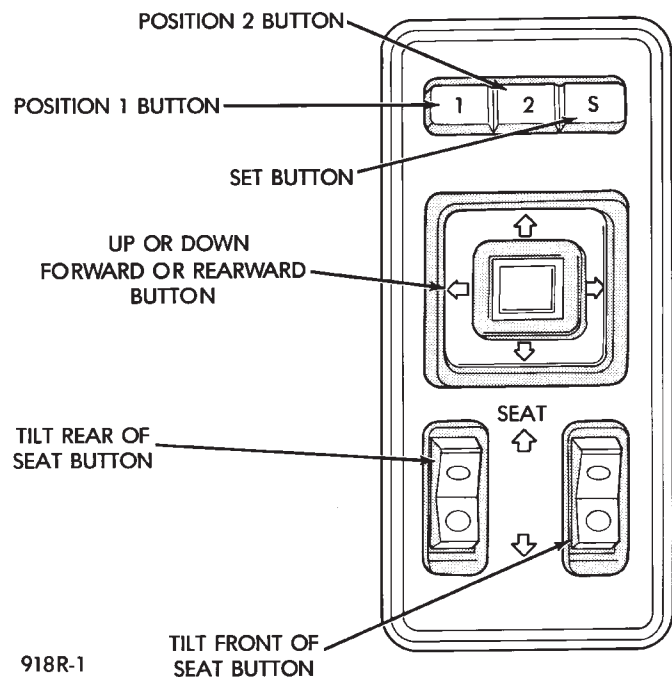


Fig. 15 Memory Seat Switch



SYSTEM SOFT LIMITS

This portion of the system becomes activated when the control module must shut off a specific seat, recliner or mirror motor because it has reached the end of its travel. When a mechanical stall condition is detected, the control module will set a soft limit in its memory and will not allow the motor to be driven past that point.

To override the soft limits, activate the seat or recliner switch twice in the desired direction holding the switch activated until the end of travel has been reached. Reactivate and hold the switch once more for three seconds. This will cause new soft limits to be set in the control module.

SETTING SYSTEM SOFT LIMITS

If the control module or motor assemblies have been replaced, the control module must learn its new soft limits. To do this, perform the memory seat diagnostic self-test. After the tests are completed, the control module will have learned and memorized its new soft limits.

TEST PROCEDURES

Before any testing is attempted, the battery should be carefully charged and all connections and terminals cleaned and tightened to insure proper continuity and grounds.

MEMORY SEAT AND MIRROR DIAGNOSTIC SELF-TESTS

The system has a built-in set of three self-tests which check all components in the system while giving a visual feedback.

To enter the first self-test mode, switch test, press memory position 1 and 2 buttons, hold for at least five seconds and no longer than ten seconds. Follow this immediately by pressing the Set button and hold for at least five seconds but less than ten seconds. Three seconds after the button is released, the seat, recliner and mirrors will move to a mid-travel position. Within ten seconds, press and release a seat button to activate a seat or recliner motor. All switches except the mirror switches may now be tested one at a time. The memory switches, Position 1 and 2 and Set buttons, may also be tested. A good switch contact actuation will NOD the seat. The seat nod consists of seat front up and seat track forward followed by seat front down and seat track rearward. The nod also includes both outside power rear view mirrors operating in the vertical plane. The system will continue NODDING for good switches until 10 seconds pass without any switch actuation.

Within 10 seconds of the last seat nod, press memory position 1 and 2 buttons for at least 5 seconds but less than 10 seconds, and then release. The seat will move, after 3 seconds, to a full down and rearward position.

This is the seat check mode. The control module will now move the motors to a stall in forward, rearward, front up, front down, rear up, rear down, recliner forward, and recliner rearward positions. If a problem exists, the control module will not move that part of the seat. After all motors have been run to stall, the system will pause 3 seconds, then return to the mid-travel position.

The control module will now move the seat through its position for a second run time.

If a problem has been found, the control module will go into a loop and just move the problem part of the system. To exit the loop, press the Set or Position 1 or 2 buttons or repair the fault, i.e.: repair a terminal push out, etc.

When the seat movements are complete, the system will return to its normal operating mode unless memory Position 1 and 2 buttons are held for at least five seconds, but less than ten seconds and then released. The seat will return to its mid-travel position and the mirrors will move full downward and to the left. This is the mirror check mode. The control module will then move the right mirror fully horizontal outboard, and horizontal inboard. This is followed by the left mirror fully horizontal inboard, horizontal outboard, vertical up, and vertical down. Each motor will be driven until the associated mirror plane face has been stalled for up to 1-1/2 seconds at each end of travel. If the control module encounters a problem with any position sensing rheostat that is connected to each motor, that particular motor will not be actuated. After another three second pause, the control module will again try running the mirror motors in the directions given above plus the right mirror vertical up and vertical down. Any motor that has no problem will run for two seconds in each of the given directions.

If a problem is found, the control module will go into a loop and move only the problem part of the system. To exit the loop, repair the fault, or press the Set, Position 1 or 2 buttons. The control module will then finish the motor actuation that are shown above. When the control module has finished, it will return to the normal operating mode after ten seconds if no further switches are activated.

The control module will also return to normal operating mode if any manual seat or recliner movement switch is actuated during the ten second timeout.

If the system has found a problem, refer to the appropriate diagnosis condition.

POWER MEMORY SEAT, RECLINER AND MIRRORS DIAGNOSIS

Before any diagnosis is done on the system, move the seat switches and listen for relays clicking in the control module under the seat. If relays can be heard, the main battery and ground circuits to the control

module as well as the battery circuit to the switches in the driver's door are good.

When checking for voltage or continuity, always use a volt/ohm meter to get accurate readings. The seat and recliner switches must be activated to check for voltage at the seat and recliner motors or at the input to the control module from the switches.

The control module creates a special voltage supply for the position sensing functions. It also shuts down after five seconds, in order to check this or any other voltage being fed back to the control module. A switch may have to be activated more than once to verify a voltage reading. The voltage from the control module that feeds the seat and recliner position sensing potentiometer, will be between 4.5 to 5 volts. For simplicity in the diagnosis section, the feed voltage will be called 5 volts. On the position sensing wires, these voltages will always be less than 5 volts but more than 0 volts. Typically the high level is at a maximum of about 4.25 volts and the low level can be as little as 0.1 volts.

If any seat or recliner potentiometer or mirror rheostat position sense wires are crossed, the control module will not move that part of the system. The seat or mirror will be in a fault diagnostic mode.

CONDITION: SYSTEM WILL NOT OPERATE.

PROCEDURE

(1) Check for forward/rearward operation of recliner. If not operable, check for an open or loose circuit breaker mounted in board on the relay bank in cavity 15.

(2) Check for continuity between 2-way connector under driver's seat and pin 1 at control module 10-way connector (Fig. 16 and 17).

(3) Check for continuity between 2-way connector under driver's seat and pin 6 at control module 10-way connector.

(4) Check for any movement of the seat by operating the seat switch. If movement the circuit is good into the control module.

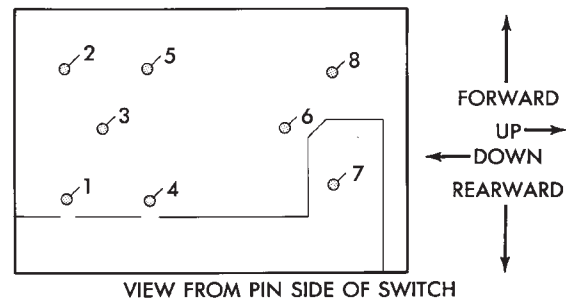
(5) No movement check for an open or loose fuse in cavity 15 of the fuse block.

(6) Check for battery voltage to pin 3 of driver's power seat switch.

(7) If battery is good, check for continuity of driver's power seat switch. Refer to Power Memory Seat Switch Continuity (Fig. 16).

(8) Check that all connectors are securely plugged into control module under driver's seat with no terminal push outs.

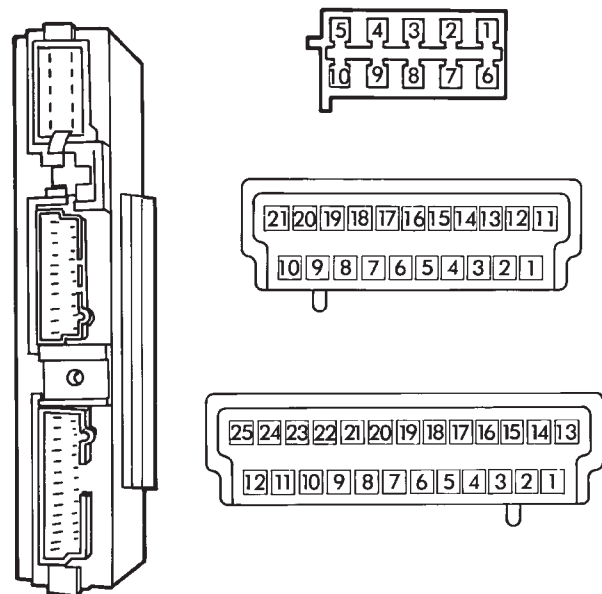
(9) No correctable faults are found in the above steps. The battery voltage and ground circuits are good into the control module. There is battery voltage through the seat switch to the control module. Then replace the control module.



SWITCH POSITION	CONTINUITY BETWEEN
NO SWITCH OPERATED	PINS 6 AND 8; PINS 6 AND 7 PINS 6 AND 5; PINS 6 AND 4 PINS 6 AND 2; PINS 6 AND 1
FRONT ROCKER UP	PINS 3 AND 5
FRONT ROCKER DOWN	PINS 3 AND 2
REAR ROCKER UP	PINS 3 AND 4
REAR ROCKER DOWN	PINS 3 AND 1
SQUARE KNOB UP	PINS 3 AND 5; PINS 3 AND 4
SQUARE KNOB DOWN	PINS 3 AND 2; PINS 3 AND 1
SQUARE KNOB FORWARD	PINS 3 AND 8
SQUARE KNOB REARWARD	PINS 3 AND 7

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Fig. 16 Memory Seat Switch Continuity



VIEWED FROM WIRE END

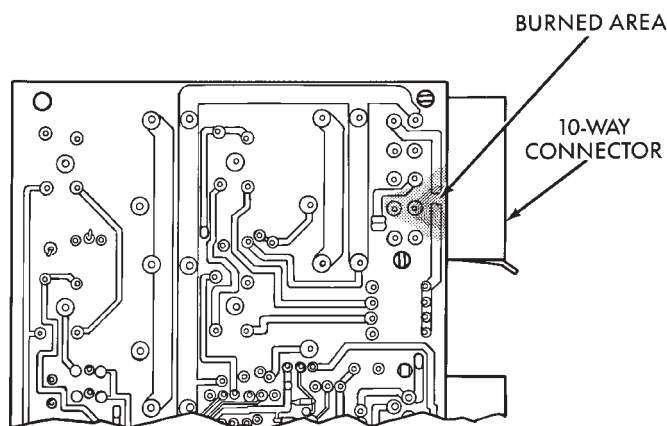
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Fig. 17 Memory Seat Module Connectors

(10) If the control module must be replaced, open it and observe the non-relay side of the printed circuit board. The module may be damaged by an intermittent short on the inside of the recliner switch. If a

trace is burnt open near the 10-way connector, may be caused by the recliner switch (Fig. 18).

(11) If module is burnt, remove recliner switch. Open the switch and observe the movable contacts staking at the staked end. If the contact, arm can be rotated, by a sideways motion, the switch must be replaced. This will prevent the new control module from damaged by the switch.



928R-1

Fig. 18 Memory Module Burnt Area

CONDITION: NO RECLINER MOTION FORWARD OR REARWARD AND NO RELAYS CAN BE HEARD CLICKING WHEN THE RECLINER SWITCH IS ACTIVATED.

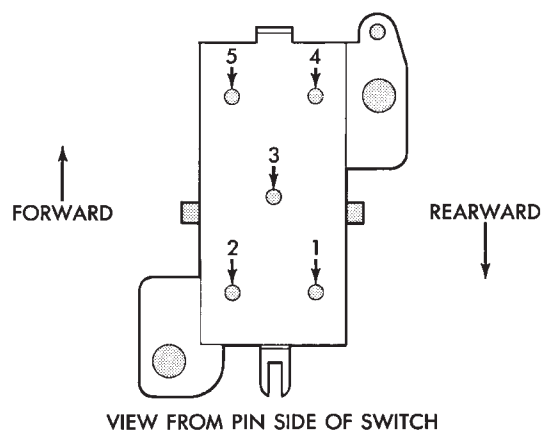
PROCEDURE

- (1) Check for battery voltage at pin 11 of the control module 21-way connector.
- (2) Check for battery voltage at pin 3 of the recliner switch connector.
- (3) Check for ground at pin 1 of the control module 21-way connector.
- (4) Check for ground at both pins 1 and 5 of recliner switch connector. If ground is missing at only one of these pins, repair or replace the seat wiring harness.
- (5) If battery voltage and ground are correct to the recliner switch connector, check continuity of the recliner switch. Refer to Left Power Memory Recliner Switch Continuity (Fig. 19).

CONDITION: NO RECLINER MOTION FORWARD, AND A RELAY CAN BE HEARD CLICKING WHEN THE RECLINER SWITCH IS ACTIVATED.

PROCEDURE

- (1) Check for battery voltage at pin 2 of the control module 10-way connector with the recliner switch activated.



SWITCH POSITION	CONTINUITY BETWEEN
NO SWITCH OPERATION	PINS 5 AND 2; PINS 1 AND 4
RECLINER FORWARD	PINS 3 AND 2
RECLINER REARWARD	PINS 3 AND 4

908R-11

Fig. 19 Memory Recliner Switch Continuity

- (2) Check for ground at pin 4 of the control module 10-way connector with the recliner switch activated.

(3) If battery voltage and ground are NOT present at the above pins of the 10-way connector, replace the control module. If battery and ground are present, then continue procedure.

- (4) Check for battery voltage and ground at recliner motor connector in seat.

- (5) If recliner motor will not operate, refer to Service Procedure for Recliner Motor and Cable.

CONDITION: NO RECLINER MOTION REARWARD, AND RELAYS CAN BE HEARD CLICKING WHEN THE RECLINER SWITCH IS ACTIVATED.

PROCEDURE

- (1) Check for ground at pin 2 of the control module 10-way connector with the recliner switch activated.

- (2) Check for battery voltage at pin 4 of the control module 10-way connector with the recliner switch activated.

(3) If battery voltage and ground are NOT present at the above pins of the 10-way connector, replace the control module. If battery and ground are present, then continue procedure.

- (4) Check for battery voltage and ground at recliner motor connector in seat.

- (5) If recliner motor will not operate, refer to Service Procedure for Recliner Motor and Cable.

CONDITION: NO RECLINER MANUAL MOVEMENT FORWARD OR REARWARD, RECLINER MOVES IN RECALL MODE ONLY.

PROCEDURE

(1) Check wiring harness in seat between control module and recliner switch for shorted wires to ground or crossed wires. If the ground pins 1 and 5 are in the wrong cavities of the recliner switch connector, the control module may be damaged. Determine the cause and replace the control module after repairing the wiring if necessary.

(2) The recliner moves forward in the recall mode only. Press the recliner switch in the forward direction and check for battery voltage at pin 2 of the recliner switch connector and at pin 5 of the 21-way control module connector.

(3) The recliner moves rearward in the recall mode only. Press the recliner switch in the rearward direction and check for battery voltage at pin 4 of the recliner switch connector and at pin 6 of the 21-way control module connector.

CONDITION: NO RECLINER MOVEMENT IN THE RECALL MODE, RECLINER WILL MOVE MANUALLY WITHOUT STALL DETECTION.

PROCEDURE

(1) Check for 5 volts at pin 9 of the control module 21-way connector (This is the 5 volt feed from the control module to the recliner position sensing resistor).

(2) Check for ground at pin 7 of the 21-way control module connector. To test for ground, one lead of the voltmeter must be connected to the 5 volt supply for the control module. If the sense voltage and ground are NOT present, at the above pins of the 21-way control module connector when the recliner switch is pressed. Replace the control module since an inadvertent application of battery voltage to the circuit could damage the control module. If the circuits are present then continue this procedure.

(3) Check for 5 volts at pin 2 of the black 5-way connector plugged into the recliner motor end-bell.

(4) Check for ground at pin 4 of the black 5-way connector plugged into the recliner motor end-bell.

(5) Unplug the black 5-way connector and observe the male pins for deformation. If deformed, carefully straighten to mate properly with the connector. Carefully reconnect 5-way connector.

(6) Check for a voltage at pin 3 of the black 5-way connector plugged into the recliner motor end-bell with the recliner switch activated. Less than 5 volts when fully forward and more than 0 volts when fully reclined that is variable when the recliner is moving. This is the position sense voltage the control module must have or it will not move the recliner in recall since it has no reference for movement. To test for

this voltage, one lead of the voltmeter must be connected to either pin 4 of the black 5-way connector or pin 7 of the 21-way connector. If the above steps have been followed and the voltage is 0, check for a seat wiring harness short to ground of this circuit, repair as necessary, before continuing with this procedure.

(7) Check for the position sense voltage at pin 3 of the control module 21-way connector. If the voltage appears correct, and varies as indicated in step (6) above and there is continuity back to the 5-way connector, then replace the control module.

CONDITION: NO SEAT OR RECLINER MOVEMENT FROM THE MANUAL SWITCHES. SEAT AND RECLINER WILL MOVE IN THE RECALL MODE ONLY.

PROCEDURE

(1) Check for a stuck switch contact in the recliner switch mounted in the driver's left seat side shield. Refer to the Memory Recliner Switch Continuity (Fig. 19).

(2) Check for a stuck switch contact in the driver's power seat switch. Refer to Memory Seat Switch Continuity (Fig. 16).

CONDITION: NO MEMORY RECALL OF SEAT, RECLINER, OR MIRRORS. SEAT, RECLINER, AND MIRRORS WILL MOVE BY MANUAL SWITCH ACTUATION ONLY.

PROCEDURE

(1) Check for a stuck switch contact in the memory switch. Refer to the Memory Switch Continuity (Fig. 20).

(2) Check for battery voltage pin 1 of the memory switch (Fig. 20).

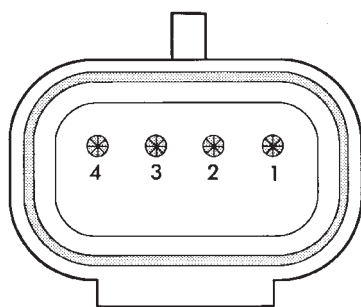
CONDITION: NO MEMORY RECALL OF SEAT, RECLINER, OR MIRRORS TO POSITION 1 ONLY. UNABLE TO ENTER DIAGNOSTIC SELF TEST MODES. POSITION 2 RECALL WORKS.

PROCEDURE

(1) Check for continuity of actuated memory position 1 switch. Refer to the Memory Switch Continuity (Fig. 19). If there is continuity, continue with procedure. If not replace switch.

(2) Check for a terminal push out at pin 2 of the memory switch connector.

(3) Check for battery voltage at pin 14 of the control module 25-way connector with position 1 switch actuated. If battery voltage is OK. There is no terminal push out, and the connector is properly seated. But no reaction from the control module, manually move the seat to a different position than 2. To insure that the Position 1 is not simply a duplicate of



VIEW FROM PIN SIDE OF SWITCH

SWITCH POSITION	CONTINUITY BETWEEN
NO SWITCH OPERATED	NONE
"1" ACTUATED	PINS 1 AND 2
"2" ACTUATED	PINS 1 AND 3
"S" (SET) ACTUATED	PINS 1 AND 4

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Fig. 20 Memory Switch Continuity

Position 2. If there is still no reaction of the control module to the actuation of the Position 1 button, then replace the control module.

CONDITION: NO MEMORY RECALL OF SEAT, RECLINER, OR MIRRORS TO POSITION 2 ONLY. UNABLE TO ENTER DIAGNOSTIC SELF TEST MODES. POSITION 1 RECALL WORKS.

PROCEDURE

(1) Check for continuity of actuated memory Position 2 button. Refer to the Memory Switch Continuity (Fig. 20). If there is continuity, continue with procedure. If not replace switch.

(2) Check for a terminal push out at pin 3 of the memory switch connector.

(3) Check for battery voltage at pin 1 of the control module 25-way connector with Position 2 button actuated. If battery voltage OK. There is no terminal push out, and the connector is properly seated. But no reaction from the control module, manually move the seat to a different position than 1. To insure that the position 2 is not simply a duplicate of position 1. If there is still no reaction of the control module to the actuation of the 2 switch, then replace the control module.

CONDITION: ACTUATION OF THE SET BUTTON WILL NOT SET ANY NEW POSITIONS IN MEMORY. UNABLE TO ENTER DIAGNOSTIC SELF TEST MODES. ONLY PREVIOUSLY SET MEMORY POSITIONS CAN BE RECALLED.

PROCEDURE

(1) Check for continuity of actuated memory switch Set button. Refer to the Memory Switch Continuity (Fig. 20). If there is continuity, continue with procedure. If not replace switch.

(2) Check for a terminal push out at pin 4 of the memory switch connector.

(3) Check for battery voltage at pin 2 of the control module 25-way connector with the Set button actuated. If battery voltage is OK, there is no terminal push out, and the connector is properly seated then replace the control module.

CONDITION: NO MEMORY POSITIONS CAN BE RECALLED AND THE MEMORY SEAT DIAGNOSTIC SELF SWITCH CHECK IS THE ONLY PART OF SELF TEST THAT WORKS. THE SEAT MOVES OK WITH MANUAL SWITCH.

PROCEDURE

(1) Check for continuity of the seat belt buckle switch in its unbuckled state. Operate the buckle switch to ensure the contact opens when the seat belt is buckled.

(2) Check for continuity between pin 2 of the 2-way seat belt buckle switch connector, harness side, to ground.

(3) Check for continuity between pin 1 of the 2-way seat belt buckle switch connector, harness side, to pin 13 of the control module 25-way connector.

CONDITION: MEMORY RECALLS CAN BE MADE WHILE THE VEHICLE IS IN MOTION WITH THE SEAT BELT UNBUCKLED.

PROCEDURE

(1) Check for continuity of the circuit between the left side instrument panel blue 16-way connector cavity 9 and pin 7 of the control module 25-way connector. The distance sensor signal can be tested with a volt/ohmmeter at pin 7 of the control module 25-way connector. Turn on the vehicle ignition and check for a 5 volt signal as the vehicle is moved about 3 to 5 feet. If not repair open wiring, terminal push out, bad crimp, drive in distance sensor, etc., as necessary to correct condition. Ensure that the 25-way connector is plugged into the control module securely. Road test vehicle after repairs have been made to ensure that no recalls can occur while moving.

CONDITION: INSTRUMENT CLUSTER SPEEDOMETER STAYS AT 0 MPH/(0 KM/H) WHILE VEHICLE IS MOVING, BODY COMPUTER DOES NOT LOCK DOORS AT 15 MPH (24 KM/H), AND THE SPEED CONTROL WILL NOT ACCEPT A SPEED SET.

PROCEDURE

(1) Remove driver's seat anchor bolts and nuts. Adjust the driver's seat to a safe driving position. Disconnect the 25-way connector from the memory seat control module. Replace the driver's seat anchor bolts and nuts. Road test the vehicle to complete this diagnosis. If the doors lock, the cruise control accepts a set, and the speedometer now works, replace the Memory Seat control module.

(2) After replacing the Memory Seat control module, perform the memory seat diagnostic self tests. This teaches the new module it's soft limits and now re-road test the vehicle before returning it to the customer.

CONDITION: NO SEAT MOVEMENT IN THE RECALL MODE, SEAT WILL MOVE BY MANUAL SWITCH ACTUATION IN ALL DIRECTIONS WITHOUT STALL DETECTION.

PROCEDURE

(1) Check for 5 volts at pin 10 of the control module 25-way connector. This is the 5 volt feed from the control module to the seat track position sensing potentiometer.

(2) Check for ground at pin 8 of the control module 25-way connector. To test for ground, one lead of the voltmeter must be connected to either the 5 volt supply for the control module or the battery positive. If the sense voltage and ground are NOT present at the above pins of the 21-way control module connector. When the seat switch is pressed, replace the control module. An inadvertent application of battery voltage to the circuit could damage the control module. If the voltage and ground circuits are present then continue this procedure.

(3) Check for 5 volts at pin 5 of the natural 5-way connector plugged into the power seat adjuster motors end-bell.

(4) Check for ground at pin 4 of the natural 5-way connector plugged into the power seat adjuster motors end-bell. If the power seat adjuster still has no movement in the recall mode, then continue this procedure.

(5) Disconnect the natural 5-way connector from the power seat adjuster motors end-bell.

(6) Check with an ohmmeter for a resistance reading that may be from 2600 to 4000 ohms between pins 4 and 5 of the motors end-bell connector. If there is an open circuit reading or the reading obtained falls

outside this range, then replace the seat motor package assembly. After replacement of the seat motor package, reconnect all wiring connectors and reinstall seat assembly in vehicle. Operate the switches manually to cause maximum seat movement in all directions. Perform the memory seat diagnostic self check so the control module will learn the new soft limits of the assembly.

CONDITION: NO SEAT TRACK FORWARD OR REARWARD MOVEMENT IN THE RECALL MODE, SEAT TRACK WILL MOVE FORWARD OR REARWARD BY MANUAL SWITCH ACTUATION WITHOUT STALL DETECTION.

PROCEDURE

(1) Check for a voltage at pin 12 of the control module 21-way connector. Less than 5 volts for the seat track fully forward and more than 0 volts when fully rearward. This voltage should vary corresponding to the position.

(2) Check for a voltage at pin 1 of the natural 5-way connector, same as in step (1) above. The ground lead connected to pin 4 of the 5-way connector. If the voltage reading is at 0 volts, disconnect the 5-way natural connector and check for a short to ground in the harness. If no short is found, reconnect the connector and continue the procedure.

(3) Check for the voltage to vary as noted above, if it does not vary as the seat track is moved forward and rearward, the sensing potentiometer is defective. Replace the seat motor package assembly. After replacement of the seat motor package, reconnect all wiring connectors and reinstall seat assembly in vehicle. Operate the switches manually to cause maximum seat movement in all directions. Perform the memory seat diagnostic self check so the control module will learn the new soft limits of the assembly.

CONDITION: NO SEAT TRACK FRONT UP OR DOWN MOVEMENT IN THE RECALL MODE, SEAT TRACK FRONT WILL MOVE UP OR DOWN BY MANUAL SWITCH ACTUATION WITHOUT STALL DETECTION.

PROCEDURE

(1) Check for a voltage at pin 2 of the control module 21-way connector. Less than 5 volts for the seat track front full up and more than 0 volts when fully down.

(2) Check for a voltage at pin 2 of the natural 5-way connector. Same as in step (1) above. With the ground lead of the meter at pin 4 of this connector. If the voltage reading is at 0 volts, disconnect the 5-way natural connector and check for a short to ground in the harness. If no short is found, reconnect the connector and continue the procedure.

(3) Check for the voltage to vary as noted above, if it does not vary as the seat track front is moved up and down, the sensing potentiometer is defective. Replace the seat motor package assembly. After replacement of the seat motor package, reconnect all wiring connectors and reinstall seat assembly in vehicle. Operate the switches manually to cause maximum seat movement in all directions. Perform the memory seat diagnostic self check so the control module will learn the new soft limits of the assembly.

CONDITION: NO SEAT TRACK REAR UP OR DOWN MOVEMENT IN THE RECALL MODE, SEAT TRACK REAR WILL MOVE UP OR DOWN BY MANUAL SWITCH ACTUATION WITHOUT STALL DETECTION.

PROCEDURE

(1) Check for a voltage at pin 13 of the control module 21-way connector. Less than 5 volts for the seat track rear full up and more than 0 volts when fully down.

(2) Check for a voltage at pin 3 of the natural 5-way connector. Same as in step (1) above. The ground lead connected to pin 4 of the 5-way connector. If the voltage reading is at 0 volts, disconnect the 5-way natural connector and check for a short to ground in the harness. If no short is found, reconnect the connector and continue the procedure.

(3) Check for the voltage to vary as noted above, if it does not vary as the seat track rear is moved up and down, the sensing potentiometer is defective. Replace the seat motor package assembly. After replacement of the seat motor package, reconnect all wiring connectors and reinstall seat assembly in vehicle. Operate the switches manually to cause maximum seat movement in all directions. Perform the diagnostic self seat check so the control module will learn the new soft limits of the assembly.

CONDITION: NO MOVEMENT OF THE SEAT, SEAT WILL MOVE IN THE RECALL MODE ONLY.

PROCEDURE

(1) Check for battery voltage to terminal 3 of driver's power seat switch.

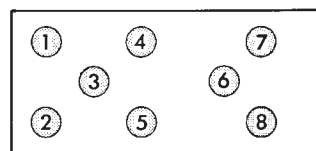
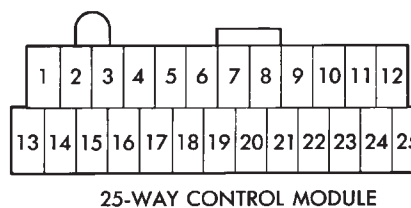
(2) Check for continuity of driver's power seat switch. Refer to Memory Seat Switch Continuity (Fig. 19). If switch is good, check for continuity between the driver's door switch and the 25-way connector in the control module in the driver's seat (Figs. 21 and 22).

(3) Use an ohmmeter to test the wiring between the door switch and the control module in the driver's seat. The circuits should be disconnected from their components at each end. Repair the wiring as required for open circuits, terminal push outs, or bad

DIRECTION	CONTINUITY BETWEEN	
	SEAT SW. PIN NO.	CONT. MOD. PIN NO.
FORWARD	8	5
REARWARD	7	17
FRONT UP	5	16
FRONT DOWN	2	4
REAR UP	4	15
REAR DOWN	1	3

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Fig. 21 Driver's Door Switch to 25-Way Connector at the Seat Control Module Continuity



VIEW SHOWN FROM WIRE SIDE

908R-14

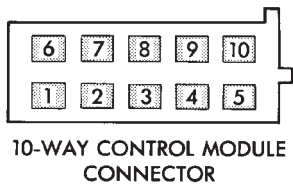
Fig. 22 Control Module and Seat Switch Pin Location

crimps. If the circuits are good to the control module but the function is still missing, replace the control module.

CONDITION: NO MOVEMENT OF THE SEAT, RELAYS CAN BE HEARD CLICKING WHEN THE SEAT SWITCH IS ACTIVATED.

PROCEDURE

(1) Check for battery voltage and ground at the appropriate pins of the control module 10-way connector (Fig. 23). If the proper results are not obtained, replace the control module. If the circuits are correct, then continue the procedure.



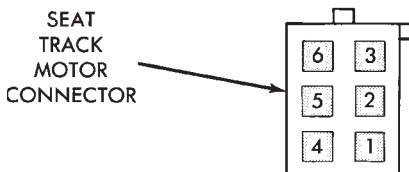
VIEW SHOWN FROM WIRE SIDE

DIRECTION	BATTERY VOLTAGE	GROUND
	CONTROL MODULE 10-WAY PIN NO.	
FORWARD	7	8
REARWARD	8	7
FRONT UP	3	5
FRONT DOWN	5	3
REAR UP	10	9
REAR DOWN	9	10

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Fig. 23 Control Module 10-Way Connector Voltage and Ground Test

(2) Check for continuity of the motor circuits from the control module 10-way connector to the left power seat motor package (Fig. 24).



VIEW SHOWN FROM WIRE SIDE

CONTINUITY BETWEEN	
MOTOR CONN. PIN	10-WAY PIN
1	7
2	10
3	3
4	8
5	9
6	5

908R-16

Fig. 24 Control Module 10-Way Connector to Power Seat Motor Connector Continuity

(3) Repair the wiring as required for open circuits, terminal push outs, or bad crimps. If the circuits are good but the seat movement direction is still missing, replace the seat motor package assembly. After replacement of the seat motor package, reconnect all wiring connectors and reinstall seat assembly in vehicle. Operate the switches manually to cause maximum seat movement in all directions. Perform the memory seat diagnostic self check so the control module will learn the new soft limits of the assembly.

CONDITION: NO MOVEMENT OF THE MEMORY MIRRORS WHEN THE POWER MIRROR SWITCH IS ACTUATED, MEMORY MIRRORS MOVE DURING RECALL ONLY.

PROCEDURE

(1) Check for battery voltage at pin 1 of the memory mirror switch 8-way connector in the driver's door. This battery feed is through a diode package that is located in the left cowl side area. A grounded wire on the switch side of the diode would most likely cause the diode package to open. Solder and tape the connections if replacement is necessary. The fuse is in cavity 13 of the fuse block.

(2) Check for ground at pin 5 of the memory mirror switch 8-way connector. Repair as needed.

(3) Check for continuity of the memory mirror switch. Refer to the Group 8T, Mirror Switch Test Procedure and the Continuity.

CONDITION: NO MOVEMENT OF BOTH MEMORY MIRRORS OR ONLY ONE MEMORY MIRROR DURING THE RECALL MODE, MEMORY MIRRORS WILL MOVE ONLY WHEN THE POWER MIRROR SWITCH IS ACTUATED. MEMORY SEAT AND RECLINER MOVE IN RECALL.

PROCEDURE

(1) Determine the fault precisely. If all memory mirror recall movements appear to be missing, first set the mirrors to two different vertical and horizontal positions for both mirrors. Refer to the General Information paragraph at the beginning of this section for position setting instructions. Try to recall these set positions that were just placed in memory.

(2) Observe for no movement in a specific direction for a specific mirror. If there is still no movement of either mirror in any direction, replace the control module. Perform the memory seat diagnostic self check so the control module will learn the new soft limits of the assembly. If the non-movement is in a specific direction or a specific mirror, continue with the procedure.

(3) Perform the diagnostic self tests, mirror check mode, to determine if the fault is with a motor or

with a position sensing rheostat circuit. Refer to Memory Seat and Mirror Diagnostic Self-Tests explanation for further information and understanding of the diagnostic process and identifying of the fault. If the fault is with a motor, continue this procedure as follows in step (4) below. If the fault is with a rheostat, as indicated by the mirror nod in the vertical or horizontal plane, continue the procedure with step (5) of this procedure that follows.

(4) Check for continuity of the motor drive circuits between the control module 25-way connector and the mirror 8-way connector (Fig. 25 and 26).

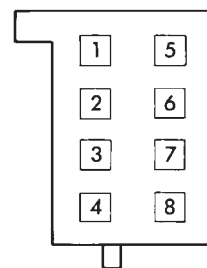
CONTINUITY BETWEEN		
CONTROL MODULE 25-WAY		LEFT MIRROR 8-WAY
CAVITY	COLOR	CAVITY
24	YL/PK	1
10	DB/*	2
25	YL	3
CONTROL MODULE 25-WAY		RIGHT MIRROR 8-WAY
CAVITY	COLOR	CAVITY
11	WT	1
12	DB	2
23	YL/*	3

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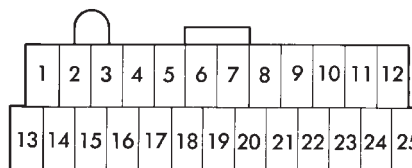
Fig. 25 Control Module 25-Way Connector to Mirror 8-Way Connector Continuity

Repair open wiring, terminal push outs or bad crimps as necessary to correct the fault. If there is still no recall movement of an individual mirror after ensuring continuity of the motor drive circuits, then replace the control module. Perform the memory seat diagnostic self check so the control module will learn the new soft limits of the assembly.

(5) Check for continuity of the position sensing rheostat circuits at the disconnected 25-way connector under the driver's seat. Connect an ohmmeter between the cavities of the 25-way connector as indicated in the charts for the left or right mirrors as required (Fig. 27). If the resistance values cannot be obtained, i.e., an open circuit, continue the procedure.



8-WAY OUTSIDE MIRROR CONNECTOR



25-WAY CONTROL MODULE CONNECTOR

VIEW SHOWN FROM WIRE SIDE

908R-18

Fig. 26 Mirror 8-Way Connector and 25-Way Control Module Connector

LEFT MEMORY MIRROR RHEOSTAT TEST CHART		
MIRROR FACE POSITION	RESISTANCE VALUE	BETWEEN 25-WAY CAVITIES
DOWN	$\geq 100 \Omega$	6 AND 9
LEFT	$\geq 100 \Omega$	6 AND 21
UP	$\leq 4500 \Omega$	6 AND 9
RIGHT	$\leq 4500 \Omega$	6 AND 21
RIGHT MEMORY MIRROR RHEOSTAT TEST CHART		
MIRROR FACE POSITION	RESISTANCE VALUE	BETWEEN 25-WAY CAVITIES
DOWN	$\geq 100 \Omega$	19 AND 8
LEFT	$\geq 100 \Omega$	19 AND 20
UP	$\leq 4500 \Omega$	19 AND 8
RIGHT	$\leq 4500 \Omega$	19 AND 20

(\geq means: is equal to or greater than.)

(\leq means: is equal to or less than.)

908R-19

Fig. 27 Sensing Rheostat Resistance

(6) Check for continuity of the position sensing rheostat circuits between the control module 25-way connector and the mirror 8-way connector for the left or right mirrors as required (Fig. 28). Repair the

open wiring, terminal push outs or bad crimps as necessary to correct the fault. If continuity exists in these circuits, then continue this procedure.

CONTINUITY BETWEEN		
CONTROL MODULE 25-WAY		LEFT MIRROR 8-WAY
CAVITY	COLOR	CAVITY
6	WT/RD	8
21	DB/YL	7
9	YL/OR	6
CONTROL MODULE 25-WAY		RIGHT MIRROR 8-WAY
CAVITY	COLOR	CAVITY
19	WT/*	8
20	DG/RD	7
8	YL/RD	6

908R-20

Fig. 28 Sensing Rheostat Continuity

(7) Check for resistance values in the left or right mirror assembly as indicated by the diagnostic self test fault locator. Connect an ohmmeter between the mirror 8-way connector cavities as shown in the chart (Fig. 29). Both left and right mirrors use the same cavities. As the mirror face is moved manually the resistance value will change between the values given in the chart. If these results are not obtained, replace the mirror assembly.

(8) If the resistance values from procedure (5) cannot be obtained and indicate a short to ground or battery, use an ohmmeter to isolate the circuits and components at fault. If the fault is in the wiring harness, repair or replace the wiring harness as necessary. If the fault is in the mirror, replace the mirror assembly.

(9) If after checking the rheostat circuits of an individual mirror and all circuits are correct then replace the control module. Perform the memory seat diagnostic self check so the control module will learn the new soft limits of the assembly.

MEMORY MIRROR RHEOSTAT TEST CHART		
MIRROR FACE POSITION	RESISTANCE VALUE	BETWEEN 8-WAY CAVITIES
DOWN	$\geq 100 \Omega$	8 AND 6
LEFT	$\geq 100 \Omega$	8 AND 7
UP	$\leq 4500 \Omega$	8 AND 6
RIGHT	$\leq 4500 \Omega$	8 AND 7

(\geq means: is equal to or greater than.)

(\leq means: is equal to or less than.)

908R-21

Fig. 29 Mirror Rheostat Resistance

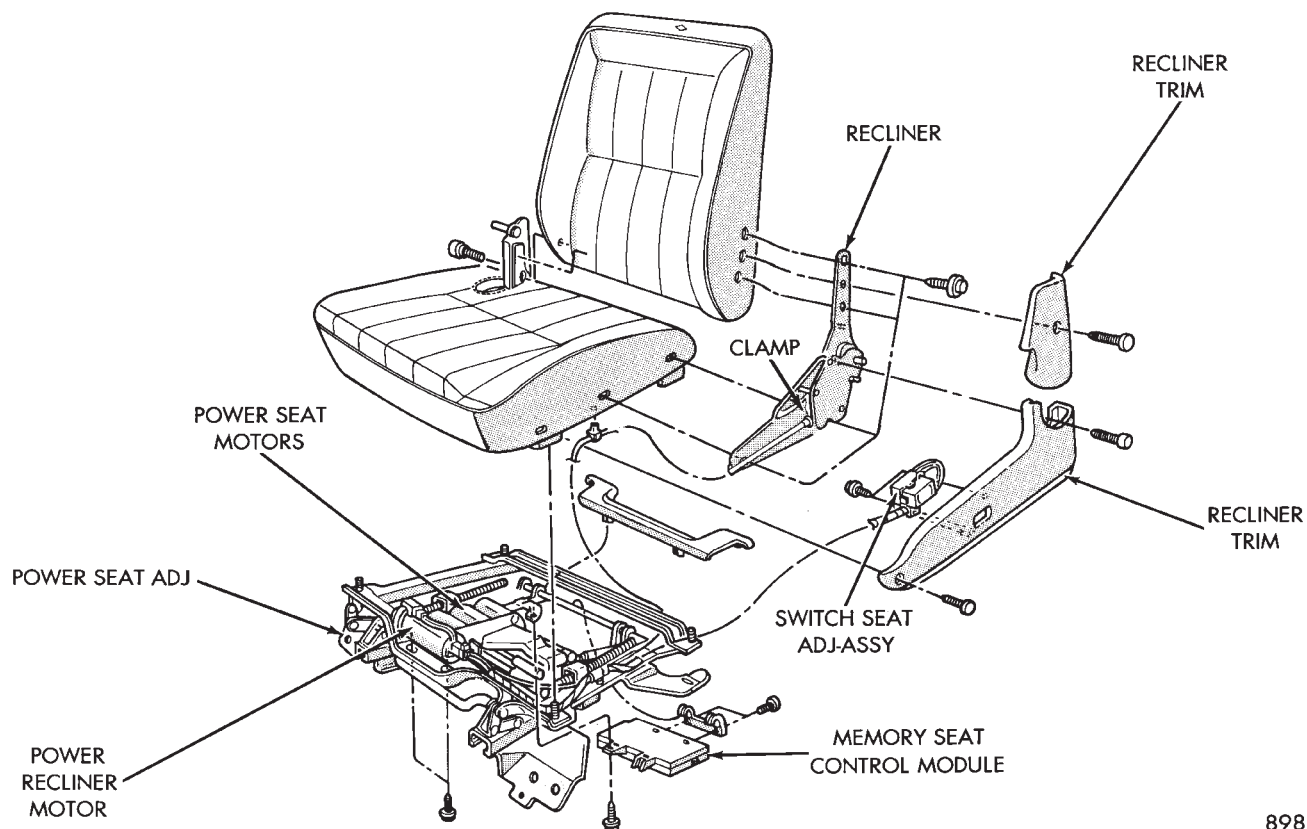
POWER RECLINER MOTOR AND CABLE

REMOVAL

- (1) Remove seat assembly from vehicle, following procedure outlined under Seat Assembly Removal.
- (2) Remove seat outboard side shields to expose recliner and cable (Fig. 30).
- (3) Remove cable housing clip from cushion frame.
- (4) Remove cable housing clamp from the recliner transmission housing, and remove drive cable.
- (5) Lay seat on its back on some clean surface.
- (6) Remove four bolts, attaching the power seat track to cushion frame.
- (7) Remove two motor attachment screws from power seat track cross strap.
- (8) Disconnect recliner motor connectors.
- (9) Remove recliner motor and cable assembly.

INSTALLATION

- (1) Position recliner motor and cable assembly to seat track. Check that the cable is equipped with a cable housing clip and clamp.
- (2) Connect wiring connectors.
- (3) Install power recliner motor to power seat track front cross strap with two attaching screws (Fig. 30).
- (4) Align power seat track with the cushion frame. The power recliner cable housing must be routed toward the recliner through the gap between the cushion frame and the power seat track side strap.
- (5) Install the power seat track to the cushion frame.
- (6) Install the square drive cable end into the square hole in the drive worm gear at transmission. The cable may have to be rotated manually in order to align properly with the square hole in the drive worm gear.
- (7) Position cable housing so that it is properly seated into the transmission housing.
- (8) Clamp the cable housing to the transmission housing with the clamp. The prongs of the clamp should be pointing towards the floor of the vehicle.



898R-6

Fig. 30 Power Memory Seat

(9) Install cable housing clip into the hole located in the cushion frame.

(10) Install the seat outboard side shield.

(11) Install the seat assembly into the vehicle following the procedure outlined under Seat Assembly Installation.

POWER RECLINER MECHANISM

REMOVAL

- (1) Remove seat outboard side shields (Fig. 30).
- (2) Remove four recliner attaching screws. Some vehicles require the trim to be lifted in order to expose recliner screws at the seat back attachment.
- (3) Disconnect cable housing clamp at transmission.
- (4) Remove cable from transmission drive worm gear. Be careful not to allow the cable to be pulled out of the housing. This will prevent possibility of disconnecting the cable from the motor at the other end.

INSTALLATION

- (1) Install the square drive cable end into the square hole in the drive worm gear at recliner mechanism. The cable may have to be rotated manually in order to align properly with the square hole in the drive worm gear.
- (2) Position the cable housing so that it is securely seated into the transmission housing.

(3) Clamp the cable housing to the transmission housing with clamp. The prongs of the clamp should be pointing towards the floor of the vehicle.

(4) Install the four recliner to seat frame fasteners (Fig. 30).

(5) Install seat outboard side shields.

(6) Set system soft limits.

MEMORY CONTROL MODULE REPLACEMENT

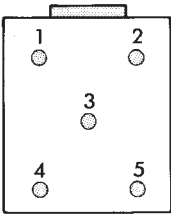
- (1) Remove seat assembly from vehicle and follow the procedure outlined under Seat Assembly Removal.
- (2) Lay seat on its back on a clean surface.
- (3) Remove screws attaching control module to seat track (Fig. 30).
- (4) Disconnect control module wiring.
- (5) Remove control module.
- (6) For installation reverse above procedures. Set system soft limits by performing the memory seat diagnostic self check. So that the control module will learn the soft limits of the assembly.

RECLINER SWITCH REPLACEMENT

- (1) Remove seat side shields (Fig. 30).
- (2) Disconnect wiring from switch.
- (3) Remove attaching screws from side shields.
- (4) Remove switch.
- (5) For installation reverse above procedures.

RECLINER SWITCH TEST

For switch testing, remove the switch from its mounting position. Using an ohmmeter, and referring to the Recliner Switch Continuity (Fig. 31), determine if continuity is correct. If there is no continuity at any one of the switch positions, replace the switch.



SWITCH POSITION	CONTINUITY BETWEEN
OFF	PINS 1 AND 4 PINS 2 AND 5
UPRIGHT	PINS 3 AND 4 PINS 2 AND 5
RECLINE	PINS 2 AND 3 PINS 1 AND 4

908R-22

Fig. 31 Recliner Switch Continuity 2

