

<b>2006 Acura MDX</b>
2003-06 ACCESSORIES & EQUIPMENT Power Seats - MDX

**2003-06 ACCESSORIES & EQUIPMENT**

**Power Seats - MDX**

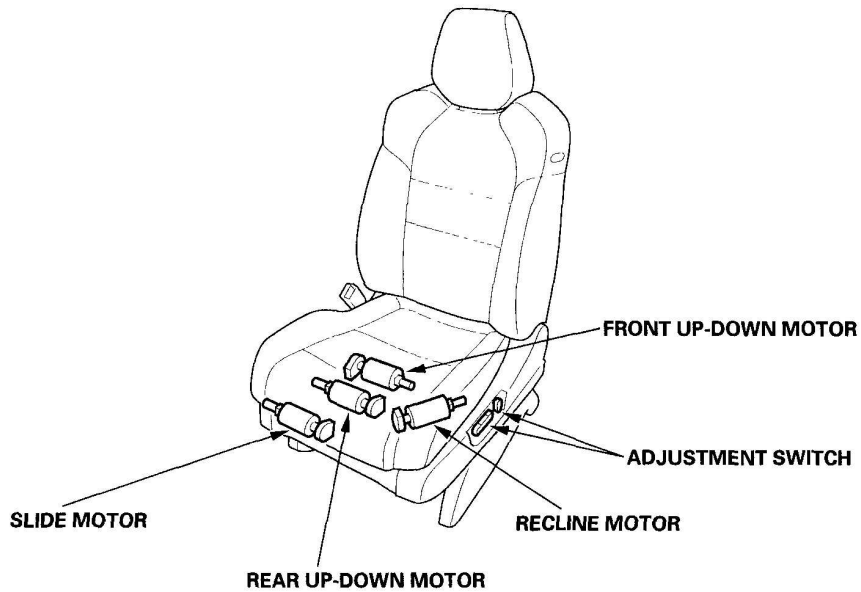
**COMPONENT LOCATION INDEX**

**NOTE:** For the Driving Position Memory System (DPMS), refer to the **DRIVING POSITION MEMORY SYSTEMS (DPMS)** .

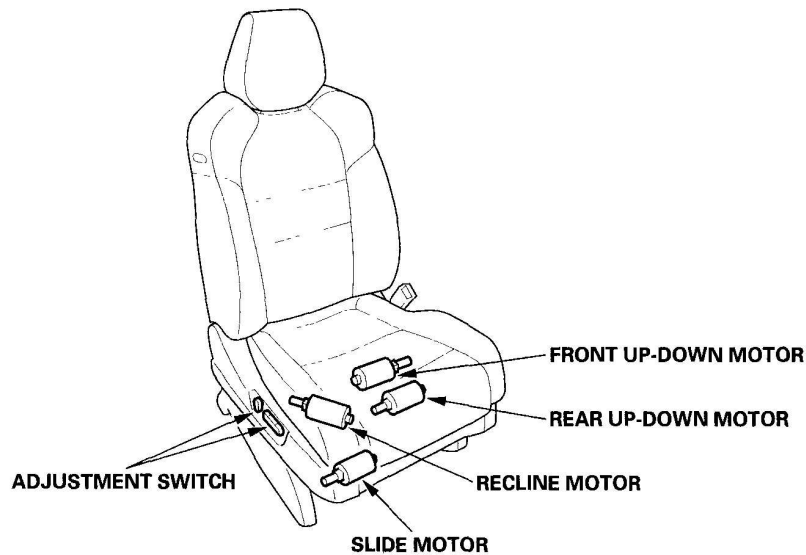
## 2006 Acura MDX

### 2003-06 ACCESSORIES & EQUIPMENT Power Seats - MDX

**Driver's Power Seat (8-way Adjustable) (Without DMPS) :**



**Passenger's Power Seat (8-way Adjustable) :**



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**Fig. 1: Identifying Power Seat Components**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.

## CIRCUIT DIAGRAM

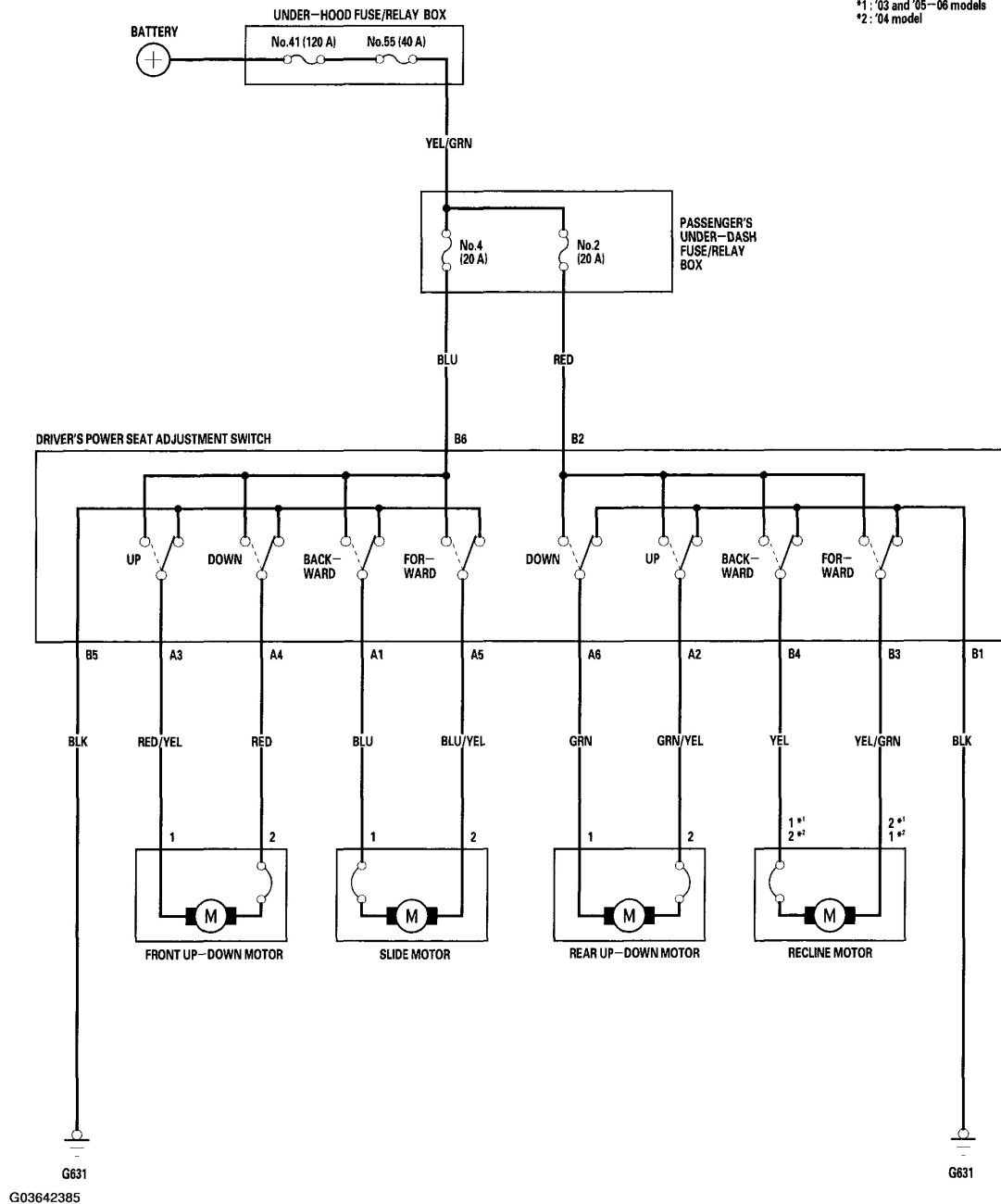
### DRIVER'S SEAT (WITHOUT MEMORY)

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### Driver's Seat (Without Memory)

\*1: '03 and '05-'06 models  
\*2: '04 model



**Fig. 2: Power Seat Circuit Diagram (Without Memory)**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.

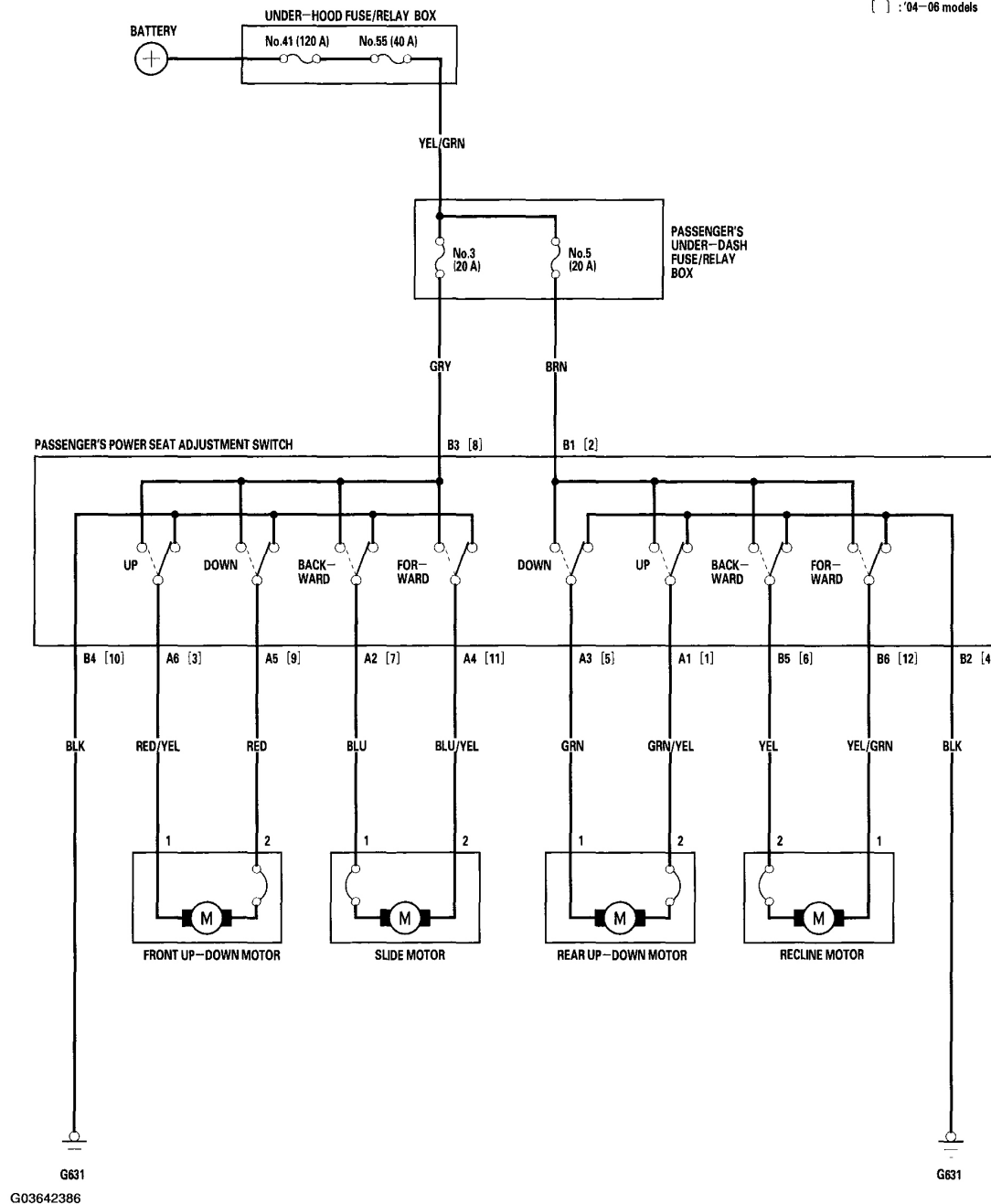
### PASSENGER'S SEAT

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### Passenger's Seat

[ ] : '04-'06 models



**Fig. 3: Power Seat Circuit Diagram (Passenger's Seat)**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.

## SWITCH TEST/REPLACEMENT

DRIVER'S SWITCH ('03 MODEL, '04-06 MODELS WITHOUT DPMS)

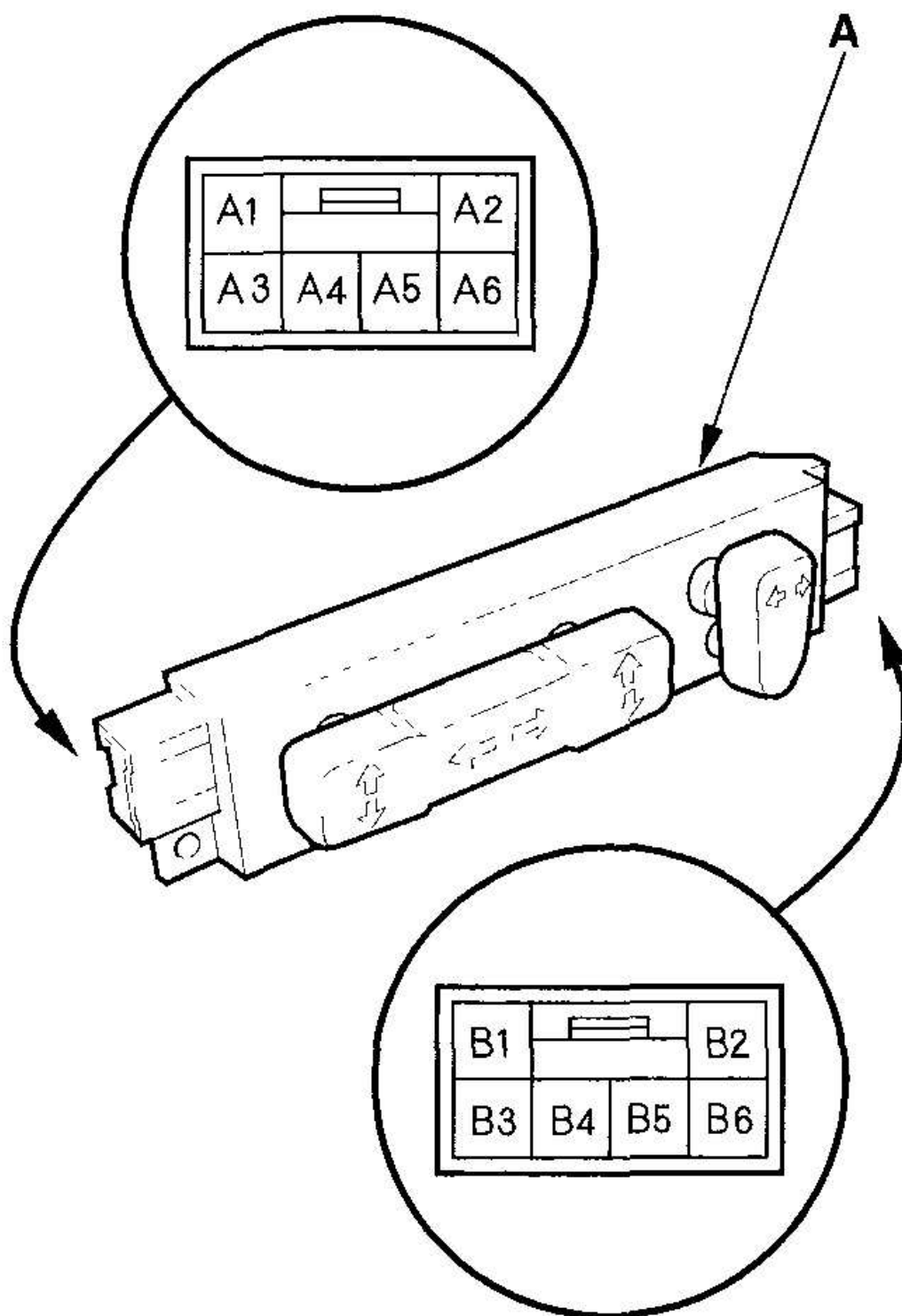
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1. Remove the power seat adjustment switch knobs and recline cover from the driver's seat, then remove the power seat switch '03 model (see **'03 MODEL** ), '04-'06 models (see **'04-06 MODELS** ).
2. Disconnect the 6P connectors from the power seat adjustment switch (A).

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**Fig. 4: Disconnecting 6P Connectors From Power Seat Adjustment Switch**  
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Reinstall the adjustment switch knobs to the switch.
4. Check for continuity between the terminals in each switch position according to **Fig. 5**.

Terminal		A1	A2	A3	A4	A5	A6	B1*	B2	B3	B4	B5*	B6
Position													
SLIDE SWITCH	Forward	○				○						○	○
	Backward	○				○						○	○
RECLINE SWITCH	Forward							○	○	○	○		
	Backward							○	○	○	○		
FRONT UP-DOWN SWITCH	UP			○	○							○	○
	DOWN			○	○							○	○
REAR UP-DOWN SWITCH	UP		○				○	○	○				
	DOWN		○				○	○	○				

\*: Used only the seat without DPMS.

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**Fig. 5: Checking For Continuity Between Terminals In Switch Position Chart**  
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

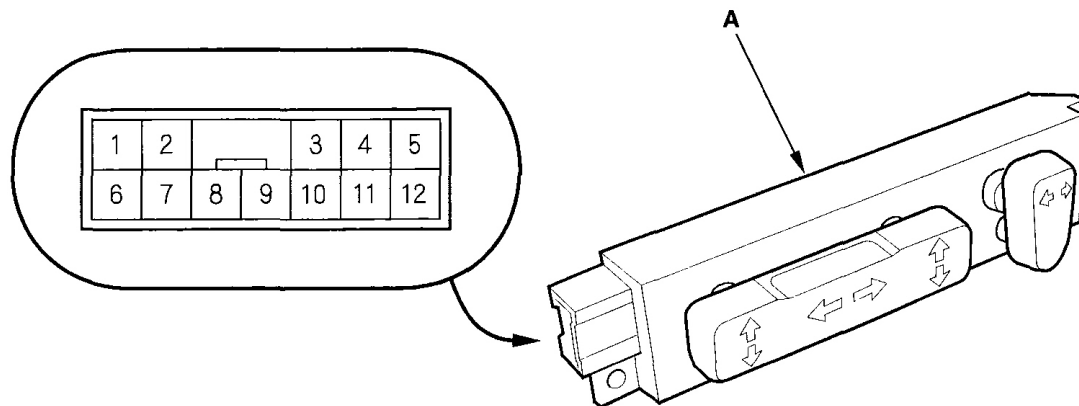
5. If the continuity is not as specified, replace the switch.

#### DRIVER'S SWITCH ('04-06 MODELS WITH DPMS)

1. Remove the power seat adjustment switch knobs and recline cover from the driver's seat, then remove the power seat switch (see '**04-06 MODELS**').
2. Disconnect the 12P connector from the power seat adjustment switch (A).

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**Fig. 6: Disconnecting 12P Connector From Power Seat Adjustment Switch**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Reinstall the adjustment switch knobs to the switch.
4. Check for continuity between the terminals in each switch position according to **Fig. 7**.

Terminal		1	2	3	5	6	7	8	9	11	12
Position											
SLIDE SWITCH	Forward							○	—	○	
	Backward						○	○			
RECLINE SWITCH	Forward		○	—	—	—	—	—	—	—	○
	Backward		○	—	—	○					
FRONT UP-DOWN SWITCH	UP			○	—	—	—	○			
	DOWN							○	—	○	
REAR UP-DOWN SWITCH	UP	○	○								
	DOWN		○	—	○						

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**Fig. 7: Checking Continuity Between Terminals In Each Switch Position Chart**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.

5. If the continuity is not as specified, replace the switch.

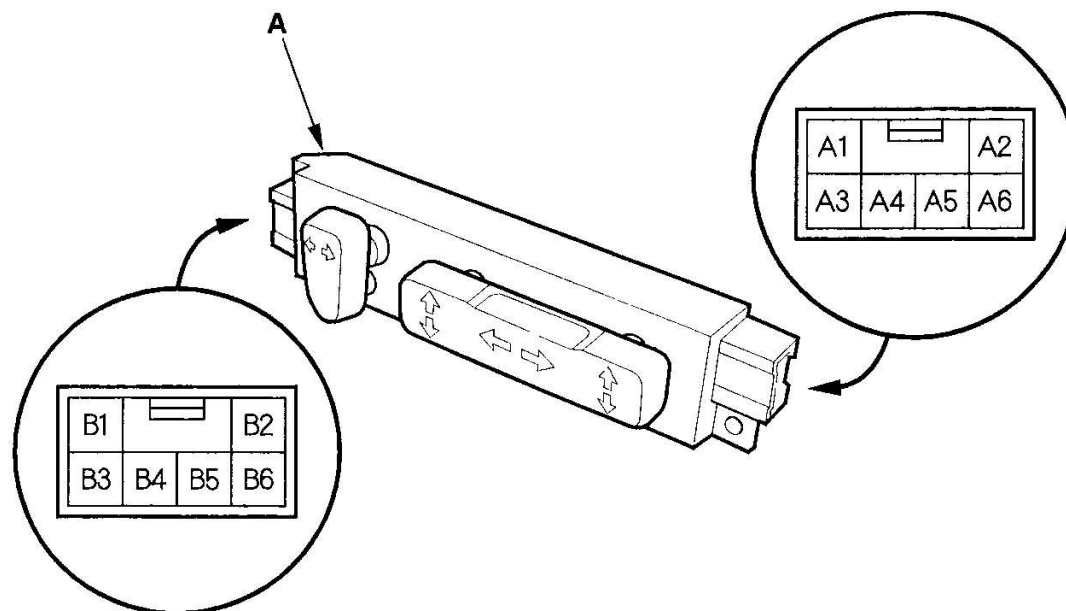
### PASSENGER'S SWITCH ('03 MODEL)

1. Remove the power seat adjustment switch knobs and recline cover from the passenger's seat, then remove



the power seat switch (see '**04-06 MODELS** ).

2. Disconnect the 6P connectors from the power seat adjustment switch (A).



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**Fig. 8: Disconnecting 6P Connectors From Power Seat Adjustment Switch**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Reinstall the adjustment switch knobs to the switch.
4. Check for continuity between the terminals in each switch position according to **Fig. 9** .

Terminal		A1	A2	A3	A4	A5	A6	B1	B2	B3	B4	B5	B6
Position													
SLIDE SWITCH	Forward		○		○					○	○		
	Backward		○		○					○	○		
RECLINE SWITCH	Forward							○	○			○	○
	Backward							○	○			○	○
FRONT UP-DOWN SWITCH	UP					○	○			○	○		
	DOWN					○	○			○	○		
REAR UP-DOWN SWITCH	UP	○		○				○	○				
	DOWN	○		○				○	○				

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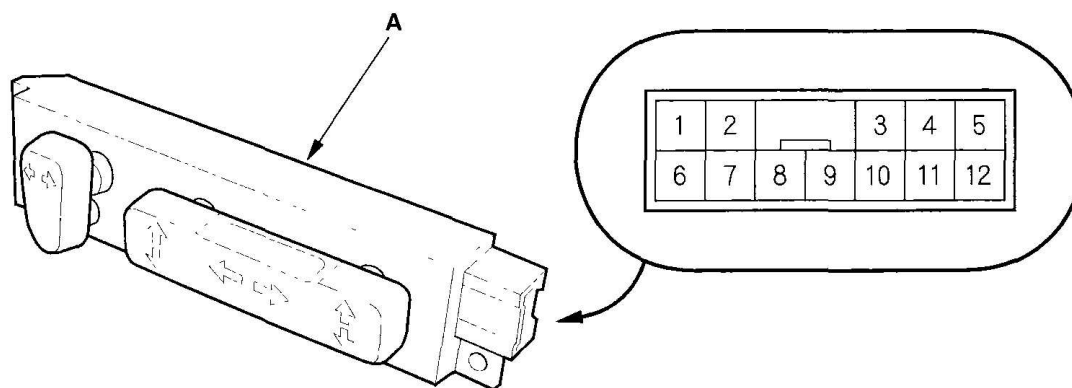
**Fig. 9: Checking For Continuity Between Terminals In Each Switch Position Chart**

Courtesy of AMERICAN HONDA MOTOR CO., INC.

5. If the continuity is not as specified, replace the switch.

### PASSENGER'S SWITCH ('04-06 MODELS)

1. Remove the power seat adjustment switch knobs and recline cover from the passenger's seat, then remove the power seat switch (see '**04-06 MODELS**').
2. Disconnect the 12P connector from the power seat adjustment switch (A).



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**Fig. 10: Disconnecting 12P Connector From Power Seat Adjustment Switch**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Reinstall the adjustment switch knobs to the switch.
4. Check for continuity between the terminals in each switch position according to **Fig. 11**.

Terminal		1	2	3	4	5	6	7	8	9	10	11	12
Position													
SLIDE SWITCH	Forward							○	○		○	○	
	Backward							○	○		○	○	
RECLINE SWITCH	Forward		○		○	○	○						○
	Backward		○		○	○	○						○
FRONT UP-DOWN SWITCH	UP			○					○	○	○		
	DOWN			○					○	○	○		
REAR UP-DOWN SWITCH	UP	○	○		○	○							
	DOWN	○	○		○	○							

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**Fig. 11: Checking For Continuity Between Terminals In Each Switch Position Chart**

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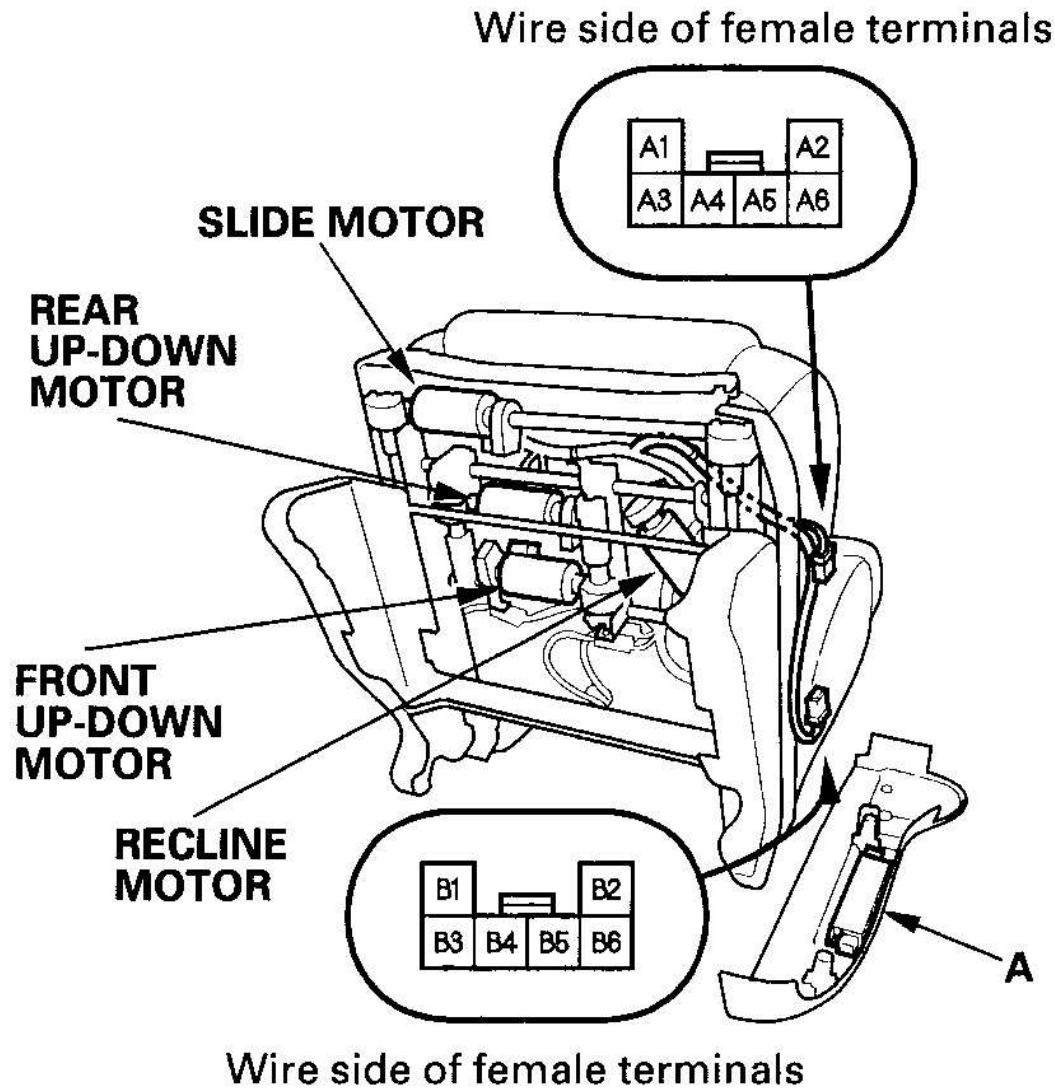
**Courtesy of AMERICAN HONDA MOTOR CO., INC.**

5. If the continuity is not as specified, replace the switch.

## **MOTOR TEST**

### **DRIVER'S SEAT**

1. Remove the driver's seat (see **FRONT SEAT REMOVAL/INSTALLATION** ).
2. Disconnect the connector(s) from the adjustment switch (A).

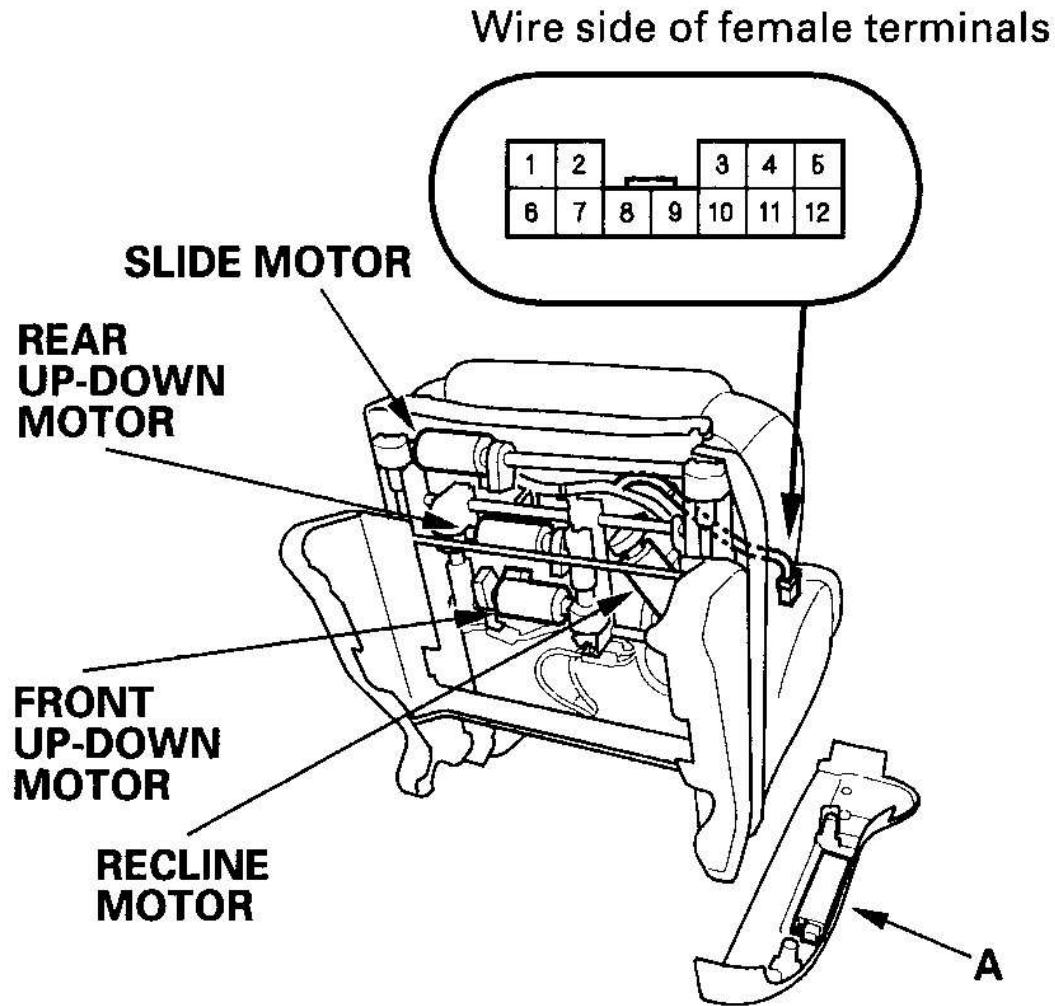


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**Fig. 12: Disconnecting Connector From Adjustment Switch ('03 Model, '04-06 Models Without DPMS)**

Courtesy of AMERICAN HONDA MOTOR CO., INC.

'04-06 models with DPMS



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**Fig. 13: Disconnecting Connector From Adjustment Switch ('04-06 Models With DPMS)**  
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Test each motor by applying battery voltage and body ground to the terminals.

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<b>Terminal Position</b>	<b>A1 [7]</b>	<b>A5 [11]</b>
<b>Forward</b>	⊖	⊕
<b>Backward</b>	⊕	⊖

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**Fig. 14: Testing Each Motor By Applying Battery Voltage (Slide Motor)**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.

<b>Terminal Position</b>	<b>B3 [12]</b>	<b>B4 [6]</b>
<b>Forward</b>	⊕	⊖
<b>Backward</b>	⊖	⊕

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**Fig. 15: Testing Each Motor By Applying Battery Voltage (Recline Motor)**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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<b>Terminal Position</b>	<b>A3 [3]</b>	<b>A4 [9]</b>
<b>UP</b>	⊕	⊖
<b>DOWN</b>	⊖	⊕

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**Fig. 16: Testing Each Motor By Applying Battery Voltage (Front Up Down Motor)**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.

<b>Terminal Position</b>	<b>A2 [1]</b>	<b>A6 [5]</b>
<b>UP</b>	⊕	⊖
<b>DOWN</b>	⊖	⊕

**[ ] : '04-06 models with DPMS**

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**Fig. 17: Testing Each Motor By Applying Battery Voltage (Rear Up Down Motor)**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.

**[ ] : '04-'06 models with DPMS**

4. If the motor does not run or fails to run smoothly, check for an open in the power seat wire harness between the switch connector and the power seat motor 2P connector. If the harness is OK, replace the motor (see '**04-06 MODELS**').

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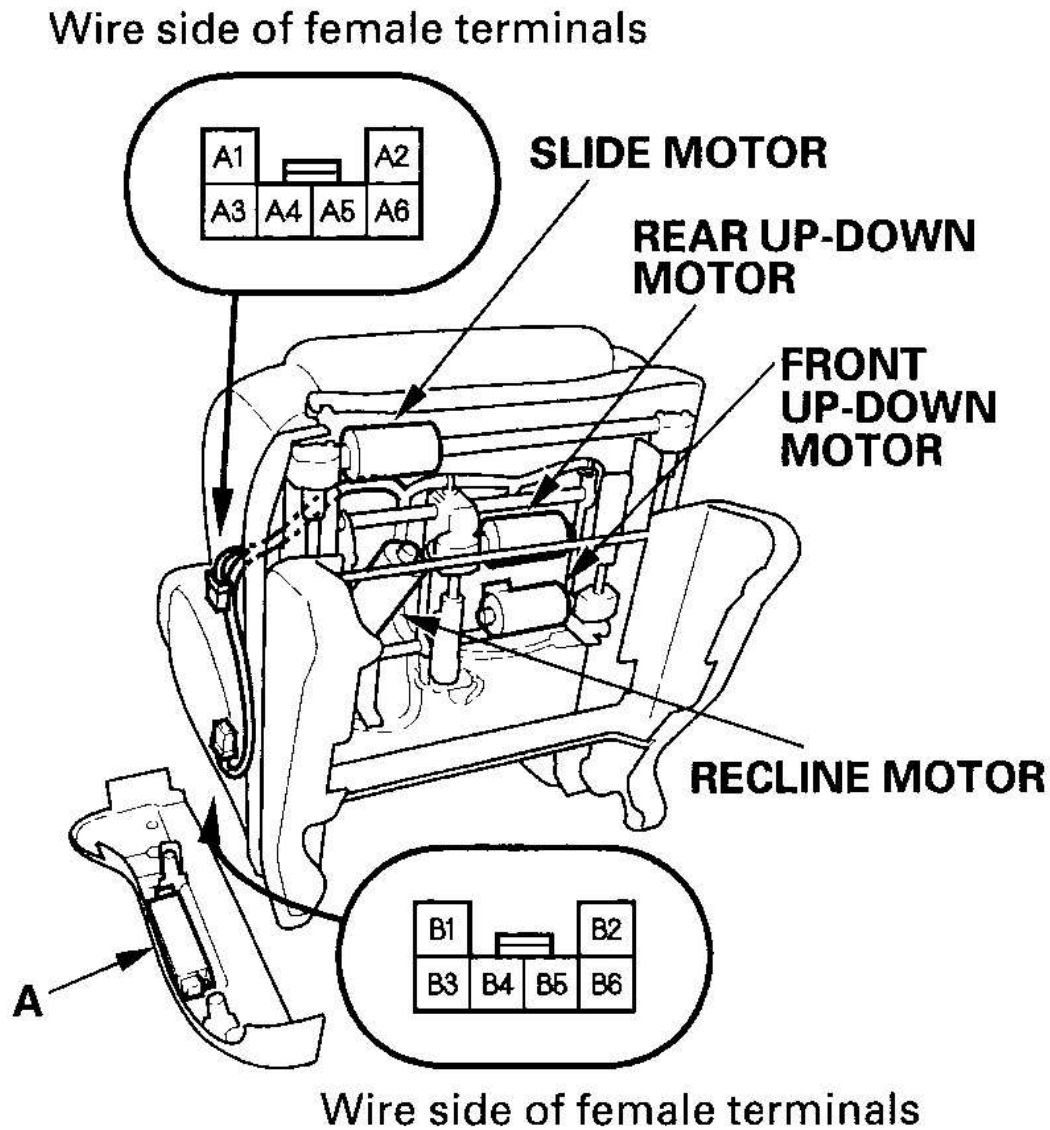
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**NOTE:** The motors are not available separately. The slide and up-down motors are part of the slide/up-down adjuster. The recline motor is part of the recline adjuster.

#### PASSENGER'S SEAT

1. Remove the front passenger's seat (see **FRONT SEAT REMOVAL/INSTALLATION** ).
2. Disconnect the connector(s) from the adjustment switch (A).

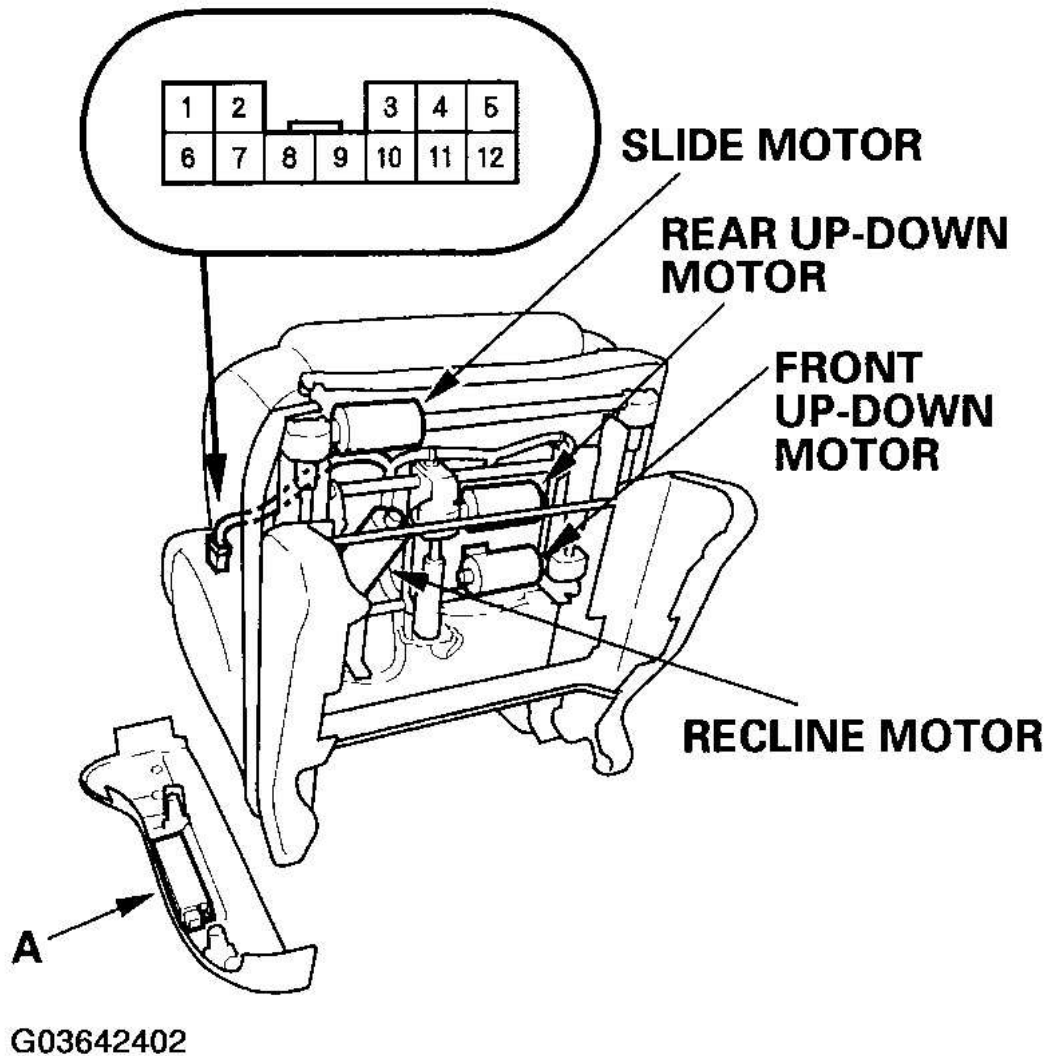




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**Fig. 18: Disconnecting Connector(s) From Adjustment Switch ('03 Motor)**  
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

Wire side of female terminals



**Fig. 19: Disconnecting Connector(s) From Adjustment Switch ('04-06 Motor)**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Test each motor by applying battery voltage and body ground to the terminals.

<b>Terminal Position</b>	<b>A2 [7]</b>	<b>A4 [11]</b>
<b>Forward</b>	⊖	⊕
<b>Backward</b>	⊕	⊖

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**Fig. 20: Testing Each Motor By Applying Battery Voltage And Body Ground To Terminals (Slide Motor)**

Courtesy of AMERICAN HONDA MOTOR CO., INC.

<b>Terminal Position</b>	<b>B5 [6]</b>	<b>B6 [12]</b>
<b>Forward</b>	⊖	⊕
<b>Backward</b>	⊕	⊖

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**Fig. 21: Testing Each Motor By Applying Battery Voltage And Body Ground To Terminals (Recline Motor)**

Courtesy of AMERICAN HONDA MOTOR CO., INC.

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<b>Terminal Position</b>	<b>A5 [9]</b>	<b>A6 [3]</b>
<b>UP</b>	⊖	⊕
<b>DOWN</b>	⊕	⊖

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**Fig. 22: Testing Each Motor By Applying Battery Voltage And Body Ground To Terminals (Front Up Down Motor)**

Courtesy of AMERICAN HONDA MOTOR CO., INC.

<b>Terminal Position</b>	<b>A1 [1]</b>	<b>A3 [5]</b>
<b>UP</b>	⊕	⊖
<b>DOWN</b>	⊖	⊕

[ ] : '04-06 models

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**Fig. 23: Testing Each Motor By Applying Battery Voltage And Body Ground To Terminals (Rear Up Down Motor)**

Courtesy of AMERICAN HONDA MOTOR CO., INC.

[ ] : '04-'06 models

4. If the motor does not run or fails to run smoothly, check for an open in the power seat wire harness between the switch connector and the power seat motor 2P connector. If the harness is OK, replace the

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motor (see **'04-06 MODELS** ).

**NOTE:**        The motors are not available separately. The slide and up-down motors are part of the slide/up-down adjuster. The recline motor is part of the recline adjuster.