SERVICE BULLETIN

Classification: BT05-012
Reference: NTB05-043
Date: June 1, 2005

2003-2005 MURANO; DRIVERS SEAT NOISE AND / OR ROCKS BACK AND FORTH

APPLIED VEHICLE(S): 2003-2005 Murano (Z50)
APPLIED DATE: Vehicles built before February 2005

IF YOU CONFIRM
The drivers seat is noisy and / or rocks back and forth slightly.

ACTION
Disassemble the seat as shown, install the parts listed below and reassemble the drivers seat.

PARTS INFORMATION

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>PART #</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lifter Link Assembly FR-LH</td>
<td>87458-AR00A</td>
<td>1</td>
</tr>
<tr>
<td>(2003-2005 MY for vehicles built before 2/05)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lift Motor-FR-LH (w/Memory System)</td>
<td>87454-CA61A</td>
<td>1</td>
</tr>
<tr>
<td>(2003 MY for vehicles built before 7/03)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lift Motor-FR-LH (w/o Memory System)</td>
<td>87454-CA01A</td>
<td>1</td>
</tr>
<tr>
<td>(2003 MY for vehicles built before 7/03)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CLAIMS INFORMATION
Submit a Primary Failed Part (PP) line claim using the following claims coding:

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>PFP</th>
<th>OP CODE</th>
<th>SYM</th>
<th>DIA</th>
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</tr>
</thead>
<tbody>
<tr>
<td>RPR Left Front Power Seat</td>
<td>(1)</td>
<td>VX43AA</td>
<td>ZL</td>
<td>46</td>
<td>1.6 hrs</td>
</tr>
</tbody>
</table>

(1) Reference the FAST Parts Catalog and use the applicable LH Front Seat Adjuster Assy P/N as the PFP.

IMPORTANT: The purpose of “ACTIONS” (above) is to give you a quick idea of the work you will be performing. You MUST closely follow the entire Service Procedure (starting on page 2) as it contains information that is essential to successfully completing the repair.

Nissan Bulletins are intended for use by qualified technicians, not 'do-it-yourselfers'. Qualified technicians are properly trained individuals who have the equipment, tools, safety instruction, and know-how to do a job properly and safely. NOTE: If you believe that a described condition may apply to a particular vehicle, DO NOT assume that it does. See your Nissan dealer to determine if this applies to your vehicle.
Exploded View of Front Seat (For Reference)

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Seatback board</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>Headrest holder (free)</td>
<td>5</td>
</tr>
<tr>
<td>7</td>
<td>Seatback pad</td>
<td>8</td>
</tr>
<tr>
<td>10</td>
<td>Side air bag module</td>
<td>11</td>
</tr>
<tr>
<td>13</td>
<td>Seat cushion frame</td>
<td>14</td>
</tr>
<tr>
<td>16</td>
<td>Reclining inner device</td>
<td>17</td>
</tr>
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</tr>
<tr>
<td>28</td>
<td>Seat control unit</td>
<td>29</td>
</tr>
</tbody>
</table>
SERVICE PROCEDURE

1. Remove headrest.

2. Move the seat bottom forward to remove both rear seat rail covers and seat anchor bolts.

3. Move the seat bottom rearward to remove both front seat rail covers and seat anchor bolts.

4. Use the “tilt up” switch to move the seat bottom to the highest position.

5a Record all radio presets.

5b Turn the ignition key OFF.

6. Disconnect both battery cables (negative cable first) and wait 3 minutes before going to the next step.

7. Lean the entire seat assembly backwards (so the seat back touches the rear seat) so you can reach the underside of the seat.

   Disconnect 1 side air bag connector and 2 ADP Control Unit connectors.

8. Cover the door sill plate and lower B-Pillar finisher with a clean dry cloth fender cover.

9. Carefully remove the seat assembly from vehicle and place it on a clean dry work surface.

10. Place the seat upside down, to reach the underside.
11. Remove 3 connectors from the LH side bracket, and then disconnect the connectors.
12. Remove power seat slide and tilt switch knobs from lower LH side finisher.

13. Use flat blade to release clip between the lower front and LH side finishers.

14. Lift up the lower side finisher.
15. Disconnect power seat switch connectors.

Remove the power seat switch connector from the seat frame held by a clip.

16. Remove the LH seat slide finisher. (2 screws)
17. Release power seat switch harness from bracket.

18. Now remove LH lower side finisher.
19. Remove lower front finisher (2 clips).

20. Release elastic band from cushion spring.

22. Remove seat back panel 2 clips located at lower end of seat back.

23. Disconnect the seat back panel and then slide it up and off.

24. Disconnect connectors at ADP control unit (CU).
25. Remove seat harness from ADP CU bracket (1 clip).

26. Remove connector from ADP CU bracket.

27. Remove side air bag connector from ADP CU bracket (1 clip).
28. Remove connectors from ADP CU bracket (2 clips).

29. Disconnect seat slide motor connector.
30. Disconnect the tilt seat motor connectors.

31. Remove seat belt connector from seat frame and disconnect the connector.
32. Remove seat belt harness from seat lifter adjuster (1 clip).
33. Disconnect side air bag harness from seat cushion frame (2 clips).
34. Remove both clips at the back of the seat cushion frame. (see Figures 33 and 34)

35. Remove the bolts at each pivot end (14mm bolt). This will detach the seat cushion pad from seat back pad.
36. Remove seat cushion trim (3 clips on each side, 1 clip along front, and 1 clip along rear).

37. Disconnect seat heater switch connector, located between seat back and seat bottom.

38. Push harness through seat springs and out of the way.
39. Remove the Seat Cushion Frame (4 nuts – 12mm)

40. Remove side brackets from seat lift adjuster (Both sides)

- Long bracket (LH side)

- Short bracket (RH side)
41. Remove Seat Lifter Motor Assembly (4 bolts & 2 nuts) from Seat Lift Adjuster Assembly.

**IMPORTANT:** Please pay close attention to the next step.

42. **Install Seat Lift Adjuster Assembly** back into the vehicle and tighten down all 4 seat anchor bolts.

**NOTE:** This step is IMPORTANT to maintain proper alignment. It will securely hold the seat lift adjust assembly during removal of the lifter link assembly.

43. Remove ADP control unit (CU) bracket (2 nuts).
44. Remove the old Lifter Link Assembly (2 nuts) from the seat lift adjuster assembly.

45. Place the new lifter link assembly onto the seat lift adjust assembly. Then, re-install the ADP CU bracket onto the seat adjust assembly.

Tighten the nuts for the lifter link assembly and ADP CU bracket to the specified torque:

Torque to 11.0-14.5 N•M (1.12-1.47 kg-m, 8.1-10.7 ft-lb.)

46. Remove the seat lift adjuster assembly from the vehicle.
47. For 2003 MY Vehicles:
Install the **NEW** seat lifter motor assembly onto the seat lift adjuster assembly.

Install the nuts and bolts finger tight, in the following order:
1. N1 and N2.
2. B5 and B6.
3. B3 and B4.

Torque to 11.0-14.5 N•M (1.12-1.47 kg-m, 8.1-10.7 ft-lb.) in the following order:
1. B5 and B6.
2. B3 and B4.
3. N1 and N2.

48. For 2004 & 2005 MY Vehicles:
Re-install the original seat lifter motor assembly onto the seat lift adjuster assembly. Tighten the nuts and bolts using the same sequence as Step 47 above.
49. Install side support bracket (both sides)

- Install the mounting bolts for the Long bracket (LH side). Torque to 11.0-14.5 N•M (1.12-1.47 kg-m, 8.1-10.7 ft-lb.)

- Install the mounting bolts for the Short bracket (RH side). Torque to 11.0-14.5 N•M (1.12-1.47 kg-m, 8.1-10.7 ft-lb.)

50. Re-install seat cushion frame to the seat lift adjuster assembly.
51. Install the front side of cushion frame into the slots.
   a. Lock in front with nuts, 1 turn each. (see Figure 52)
   b. Next install the rear side of cushion frame into slots by pulling in a rearwards direction.
   c. Lock in rear with nuts.
   d. Now tighten down all 4 nuts completely.

   **NOTE:** Improper tightening (nuts not tight enough) may cause a customer to come back with complaint of a spring-type noise.

52a. Route the seat harness (which is attached to the seat back) through the cushion spring as shown and

52b. Attach to seat cushion frame (2 clips).
53. Turn the seat bottom frame upside down. (see Figure 55)

a. Connect ADP CU connectors.

b. Connect tilt motor connectors.

c. Connect front slide motor connector.

d. Connect seat belt connector and attach it to frame (1 clip).

e. Re-attach seat belt harness to frame (1 clip).

54. Route air bag harness under seat lifter motor assembly and attach to frame (2 clips).

55. Re-attach connectors to ADP CU bracket (2 clips).
56. Turn seat bottom frame over so it’s right side up. Place seat cushion pad onto seat cushion frame, attach the trim on both sides (3 clips on each side).

57. Connect seat heater connector.

58. Attach seat back to the seat bottom. Install 2 bolts at seat hinge (both sides). Then tighten the nuts and bolts to the specified torque,

Torque specs for the pivot bolts are: 43.1-54.0 Nm, 4.4-5.5 kg-m, 32-40 in –lb.
59. Turn the seat assembly upside down to access the bottom.
   a. Attach clips to the front. (see Figure 60)

   b. Attach rear clips of the seat cushion trim to the frame.

60. Attach elastic band to cushion spring. Make sure it is pulled tight.
61. Attach seat back panel at the top, then reattach two clips at the bottom.

62. Install LH seat slide trim.

63. Install LH seat side finisher.
   a. First, connect power seat switch connectors together
   b. Then re-attach connector to seat frame (1 clip).
64. Secure the LH seat side finisher in place at the hinge end, then push the connector through seat frame bracket.

65. Attach 3 connectors to seat frame bracket (3 clips), then connect the connectors.

66. Install power seat switch knobs.
67. Install front lower finisher.
   a. Hook LH side first,
   b. then snap RH side in place.

68. Install RH Seat Cushion Inner Finisher.

69. Install seat assembly into the vehicle.
   a. Lean the entire seat assy back (so the seat back touches the rear seat) to access the under side of the seat.
   b. Connect the 3 connectors at front of seat

70. Tighten seat anchor bolts and install front and rear seat rail covers (both sides)

71. Reconnect battery, positive cable first.

72. Reprogram radio presets and set the clock.
SERVICE BULLETIN

Classification: BT05-012a
Reference: NTB05-043a
Date: August 18, 2005

2003-2005 MURANO; DRIVERS SEAT NOISE AND / OR ROCKS BACK AND FORTH

This bulletin supersedes NTB03-095. Please discard all paper copies of that bulletin.

APPLIED VEHICLE(S): 2003-2005 Murano (Z50)
APPLIED DATE: Vehicles built before February 2005

IF YOU CONFIRM
The drivers seat is noisy and / or rocks back and forth slightly.

ACTION
Disassemble the seat as shown, install the parts listed below and reassemble the drivers seat.

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<td>VX43AA</td>
<td>ZL</td>
<td>46</td>
<td>1.6 hrs</td>
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(1) Reference the FAST Parts Catalog and use the applicable LH Front Seat Adjuster Assy P/N as the PFP.

IMPORTANT: The purpose of “ACTIONS” (above) is to give you a quick idea of the work you will be performing. You MUST closely follow the entire Service Procedure (starting on page 2) as it contains information that is essential to successfully completing the repair.

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## Exploded View of Front Seat (For Reference)

![Diagram of seat components](image)

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<tr>
<th>Number</th>
<th>Component</th>
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</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Seatback board</td>
<td>2</td>
<td>Headrest</td>
<td>3</td>
<td>Headrest holder (locked)</td>
</tr>
<tr>
<td>4</td>
<td>Headrest holder (free)</td>
<td>5</td>
<td>Lumbar support lever knob</td>
<td>6</td>
<td>Seatback trim</td>
</tr>
<tr>
<td>7</td>
<td>Seatback pad</td>
<td>8</td>
<td>Seatback frame</td>
<td>9</td>
<td>Inner stay</td>
</tr>
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<td>10</td>
<td>Side air bag module</td>
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<td>Seat cushion trim</td>
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<td>Seat cushion pad</td>
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<td>13</td>
<td>Seat cushion frame</td>
<td>14</td>
<td>Power seat harness</td>
<td>15</td>
<td>Seat cushion inner finisher</td>
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<tr>
<td>16</td>
<td>Reclining inner device</td>
<td>17</td>
<td>Reclining device rod</td>
<td>18</td>
<td>Reclining outer device</td>
</tr>
<tr>
<td>19</td>
<td>Seat belt buckle</td>
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<td>Seat lifter link slide assembly</td>
<td>21</td>
<td>Power seat switch</td>
</tr>
<tr>
<td>22</td>
<td>Pedal adjusting switch</td>
<td>23</td>
<td>Seat cushion outer finisher</td>
<td>24</td>
<td>Slide &amp; lifter switch knob</td>
</tr>
<tr>
<td>25</td>
<td>Reclining switch knob</td>
<td>26</td>
<td>Seat cushion under cover</td>
<td>27</td>
<td>Seat cushion front finisher</td>
</tr>
<tr>
<td>28</td>
<td>Seat control unit</td>
<td>29</td>
<td>Seat cushion outer cover</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Note: Always replace after every disassembly. Apply body grease.*

**Torque Specifications:**
- **Nut:** 4.9 - 9.8 (0.5 - 1.0, 44 - 86)
- **Bolt:** 43.1 - 54.9 (4.4 - 5.5, 32 - 40)
SERVICE PROCEDURE

1. Remove headrest.

2. Move the seat bottom forward to remove both rear seat rail covers and seat anchor bolts.

3. Move the seat bottom rearward to remove both front seat rail covers and seat anchor bolts.

4. Use the “tilt up” switch to move the seat bottom to the highest position.

5a Record all radio presets.

5b Turn the ignition key OFF.

6. Disconnect both battery cables (negative cable first) and wait 3 minutes before going to the next step.

7. Lean the entire seat assembly backwards (so the seat back touches the rear seat) so you can reach the underside of the seat.

   Disconnect 1 side air bag connector and 2 ADP Control Unit connectors.

8. Cover the door sill plate and lower B-Pillar finisher with a clean dry cloth fender cover.

9. Carefully remove the seat assembly from vehicle and place it on a clean dry work surface.

10. Place the seat upside down, to reach the underside.
11. Remove 3 connectors from the LH side bracket, and then disconnect the connectors.
12. Remove power seat slide and tilt switch knobs from lower LH side finisher.

13. Use flat blade to release clip between the lower front and LH side finishers.

14. Lift up the lower side finisher.
15. Disconnect power seat switch connectors.

Remove the power seat switch connector from the seat frame held by a clip.

16. Remove the LH seat slide finisher. (2 screws)
17. Release power seat switch harness from bracket.

18. Now remove LH lower side finisher.
19. Remove lower front finisher (2 clips).

20. Release elastic band from cushion spring.

22. Remove seat back panel 2 clips located at lower end of seat back.

23. Disconnect the seat back panel and then slide it up and off.

24. Disconnect connectors at ADP control unit (CU).

Figure 16

Figure 17

Figure 18
25. Remove seat harness from ADP CU bracket (1 clip).

26. Remove connector from ADP CU bracket.

27. Remove side air bag connector from ADP CU bracket (1 clip).
28. Remove connectors from ADP CU bracket (2 clips).

29. Disconnect seat slide motor connector.
30. Disconnect the tilt seat motor connectors.

31. Remove seat belt connector from seat frame and disconnect the connector.
32. Remove seat belt harness from seat lifter adjuster (1 clip).
33. Disconnect side air bag harness from seat cushion frame (2 clips).
34. Remove both clips at the back of the seat cushion frame. (see Figures 33 and 34)

35. Remove the bolts at each pivot end (14mm bolt). This will detach the seat cushion pad from seat back pad.
36. Remove seat cushion trim (3 clips on each side, 1 clip along front, and 1 clip along rear).

37. Disconnect seat heater switch connector, located between seat back and seat bottom.

38. Push harness through seat springs and out of the way.
39. Remove the Seat Cushion Frame (4 nuts – 12mm)

40. Remove side brackets from seat lift adjuster (Both sides)

- Long bracket (LH side)

- Short bracket (RH side)
41. Remove Seat Lifter Motor Assembly (4 bolts & 2 nuts) from Seat Lift Adjuster Assembly.

IMPORTANT: Please pay close attention to the next step.

42. Install Seat Lift Adjuster Assembly back into the vehicle and tighten down all 4 seat anchor bolts.

   NOTE: This step is IMPORTANT to maintain proper alignment. It will securely hold the seat lift adjust assembly during removal of the lifter link assembly.

43. Remove ADP control unit (CU) bracket (2 nuts).
44. Remove the old Lifter Link Assembly (2 nuts) from the seat lift adjuster assembly.

45. Place the new lifter link assembly onto the seat lift adjust assembly. Then, re-install the ADP CU bracket onto the seat adjust assembly.

Tighten the nuts for the lifter link assembly and ADP CU bracket to the specified torque:

Torque to 11.0-14.5 N•M (1.12-1.47 kg-m, 8.1-10.7 ft-lb.)

46. Remove the seat lift adjuster assembly from the vehicle.
47. **For 2003 MY Vehicles:**

Install the **NEW** seat lifter motor assembly onto the seat lift adjuster assembly.

Install the nuts and bolts finger tight, in the following order:
1. **N1** and **N2**.
2. **B5** and **B6**.
3. **B3** and **B4**.

Torque to 11.0-14.5 N•M (1.12-1.47 kg-m, 8.1-10.7 ft-lb.) in the following order:
1. **B5** and **B6**.
2. **B3** and **B4**.
3. **N1** and **N2**.

48. **For 2004 & 2005 MY Vehicles:**

Re-install the original seat lifter motor assembly onto the seat lift adjuster assembly. Tighten the nuts and bolts using the same sequence as Step 47 above.
49. Install side support bracket (both sides)

- Install the mounting bolts for the Long bracket (LH side). Torque to 11.0-14.5 N•M (1.12-1.47 kg-m, 8.1-10.7 ft-lb.)

- Install the mounting bolts for the Short bracket (RH side). Torque to 11.0-14.5 N•M (1.12-1.47 kg-m, 8.1-10.7 ft-lb.)

50. Re-install seat cushion frame to the seat lift adjuster assembly.
51. Install the front side of cushion frame into the slots.
   a. Lock in front with nuts, 1 turn each. (see Figure 52)
   b. Next install the rear side of cushion frame into slots by pulling in a rearwards direction.
   c. Lock in rear with nuts.
   d. Now tighten down all 4 nuts completely.

**NOTE:** Improper tightening (nuts not tight enough) may cause a customer to come back with complaint of a spring-type noise.

52a. Route the seat harness (which is attached to the seat back) through the cushion spring as shown and

52b. Attach to seat cushion frame (2 clips).
53. Turn the seat bottom frame upside down. (see Figure 55)
   a. Connect ADP CU connectors.
   b. Connect tilt motor connectors.
   c. Connect front slide motor connector.
   d. Connect seat belt connector and attach it to frame (1 clip).
   e. Re-attach seat belt harness to frame (1 clip).

54. Route air bag harness under seat lifter motor assembly and attach to frame (2 clips).

55. Re-attach connectors to ADP CU bracket (2 clips).
56. Turn seat bottom frame over so it’s right side up. Place seat cushion pad onto seat cushion frame, attach the trim on both sides (3 clips on each side).

57. Connect seat heater connector.

58. Attach seat back to the seat bottom. Install 2 bolts at seat hinge (both sides). Then tighten the nuts and bolts to the specified torque,

Torque specs for the pivot bolts are: 43.1-54.0 Nm, 4.4-5.5 kg-m, 32-40 in –lb.
59. Turn the seat assembly upside down to access the bottom.

   a. Attach clips to the front. (see Figure 60)

   b. Attach rear clips of the seat cushion trim to the frame.

60. Attach elastic band to cushion spring. Make sure it is pulled tight.
61. Attach seat back panel at the top, then reattach two clips at the bottom.

62. Install LH seat slide trim.

63. Install LH seat side finisher.
   a. First, connect power seat switch connectors together
   b. Then re-attach connector to seat frame (1 clip).
64. Secure the LH seat side finisher in place at the hinge end, then push the connector through seat frame bracket.

65. Attach 3 connectors to seat frame bracket (3 clips), then connect the connectors.

66. Install power seat switch knobs.
67. Install front lower finisher.
   a. Hook LH side first,
   b. then snap RH side in place.

68. Install RH Seat Cushion Inner Finisher.

69. Install seat assembly into the vehicle.
   a. Lean the entire seat assy back (so the seat back touches the rear seat) to access the under side of the seat.
   b. Connect the 3 connectors at front of seat

70. Tighten seat anchor bolts and install front and rear seat rail covers (both sides)
71. Reconnect battery, positive cable first.
72. Reprogram radio presets and set the clock.
SERVICE BULLETIN

Classification: BT05-012b  Reference: NTB05-043b  Date: October 27, 2005

2003-2005 MURANO; DRIVER’S SEAT NOISE AND / OR ROCKS BACK AND FORTH

This bulletin has been amended. The Parts Information and Applied Date sections have been revised. No other content has been changed. Please discard all previous copies.

APPLIED VEHICLE(S): 2003-2005 Murano (Z50)
APPLIED DATE: Vehicles built before August 2005

IF YOU CONFIRM
The driver's seat is noisy and / or rocks back and forth slightly.

ACTION
Disassemble the seat as shown, install the parts listed below and reassemble the driver’s seat.

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IMPORTANT: The purpose of "ACTIONS" (above) is to give you a quick idea of the work you will be performing. You MUST closely follow the entire Service Procedure (starting on page 2) as it contains information that is essential to successfully completing the repair.

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SERVICE PROCEDURE

1. Remove headrest.

2. Move the seat bottom forward to remove both rear seat rail covers and seat anchor bolts.

3. Move the seat bottom rearward to remove both front seat rail covers and seat anchor bolts.

4. Use the “tilt up” switch to move the seat bottom to the highest position.

5a Record all radio presets.

5b Turn the ignition key OFF.

6. Disconnect both battery cables (negative cable first) and wait 3 minutes before going to the next step.

7. Lean the entire seat assembly backwards (so the seat back touches the rear seat) so you can reach the under side of the seat.

   Disconnect 1 side air bag connector and 2 ADP Control Unit connectors.

   Figure 1

8. Cover the door sill plate and lower B-Pillar finisher with a clean dry cloth fender cover.

9. Carefully remove the seat assembly from vehicle and place it on a clean dry work surface.

10. Place the seat upside down, to reach the underside.
11. Remove 3 connectors from the LH side bracket, and then disconnect the connectors.
12. Remove power seat slide and tilt switch knobs from lower LH side finisher.

13. Use flat blade to release clip between the lower front and LH side finishers.

14. Lift up the lower side finisher.
15. Disconnect power seat switch connectors.

Remove the power seat switch connector from the seat frame held by a clip.

16. Remove the LH seat slide finisher. (2 screws)
17. Release power seat switch harness from bracket.

18. Now remove LH lower side finisher.
19. Remove lower front finisher (2 clips).

20. Release elastic band from cushion spring.

22. Remove seat back panel 2 clips located at lower end of seat back.

23. Disconnect the seat back panel and then slide it up and off.

24. Disconnect connectors at ADP control unit (CU).
25. Remove seat harness from ADP CU bracket (1 clip).

26. Remove connector from ADP CU bracket.

27. Remove side air bag connector from ADP CU bracket (1 clip).
28. Remove connectors from ADP CU bracket (2 clips).

29. Disconnect seat slide motor connector.
30. Disconnect the tilt seat motor connectors.

31. Remove seat belt connector from seat frame and disconnect the connector.
32. Remove seat belt harness from seat lifter adjuster (1 clip).
33. Disconnect side air bag harness from seat cushion frame (2 clips).
34. Remove both clips at the back of the seat cushion frame. (see Figures 33 and 34)

35. Remove the bolts at each pivot end (14mm bolt). This will detach the seat cushion pad from seat back pad.
36. Remove seat cushion trim (3 clips on each side, 1 clip along front, and 1 clip along rear).

37. Disconnect seat heater switch connector, located between seat back and seat bottom.

38. Push harness through seat springs and out of the way.
39. Remove the Seat Cushion Frame (4 nuts – 12mm)

40. Remove side brackets from seat lift adjuster (Both sides)

- Long bracket (LH side)

- Short bracket (RH side)
41. Remove Seat Lifter Motor Assembly (4 bolts & 2 nuts) from Seat Lift Adjuster Assembly.

**IMPORTANT:** Please pay close attention to the next step.

42. **Install Seat Lift Adjuster Assembly back into the vehicle and tighten down all 4 seat anchor bolts.**

**NOTE:** This step is IMPORTANT to maintain proper alignment. It will securely hold the seat lift adjust assembly during removal of the lifter link assembly.

43. Remove ADP control unit (CU) bracket (2 nuts).
44. Remove the old Lifter Link Assembly (2 nuts) from the seat lift adjuster assembly.

45. Place the new lifter link assembly onto the seat lift adjust assembly. Then, re-install the ADP CU bracket onto the seat adjust assembly.

Tighten the nuts for the lifter link assembly and ADP CU bracket to the specified torque:

Torque to 11.0-14.5 N•M (1.12-1.47 kg-m, 8.1-10.7 ft-lb.)

46. Remove the seat lift adjuster assembly from the vehicle.
47. **For 2003 MY Vehicles:**
   Install the **NEW** seat lifter motor assembly onto the seat lift adjuster assembly.
   
   Install the nuts and bolts finger tight, in the following order:
   1. N1 and N2.
   2. B5 and B6.
   3. B3 and B4.

   Torque to 11.0-14.5 N•M (1.12-1.47 kg-m, 8.1-10.7 ft-lb.) in the following order:
   1. B5 and B6.
   2. B3 and B4.
   3. N1 and N2.

48. **For 2004 & 2005 MY Vehicles:**
   Re-install the original seat lifter motor assembly onto the seat lift adjuster assembly. Tighten the nuts and bolts using the same sequence as Step 47 above.
49. Install side support bracket (both sides)

- Install the mounting bolts for the Long bracket (LH side). Torque to 11.0-14.5 N\(\cdot\)M (1.12-1.47 kg\(\cdot\)m, 8.1-10.7 ft\(\cdot\)lb.)

- Install the mounting bolts for the Short bracket (RH side). Torque to 11.0-14.5 N\(\cdot\)M (1.12-1.47 kg\(\cdot\)m, 8.1-10.7 ft\(\cdot\)lb.)

50. Re-install seat cushion frame to the seat lift adjuster assembly.
51. Install the front side of cushion frame into the slots.
   a. Lock in front with nuts, 1 turn each. (see Figure 52)
   b. Next install the rear side of cushion frame into slots by pulling in a rearwards direction.
   c. Lock in rear with nuts.
   d. Now tighten down all 4 nuts completely.

**NOTE:**
Improper tightening (nuts not tight enough) may cause a customer to come back with complaint of a spring-type noise.

52a. Route the seat harness (which is attached to the seat back) through the cushion spring as shown and

52b. Attach to seat cushion frame (2 clips).
53. Turn the seat bottom frame upside down. (see Figure 55)
   a. Connect ADP CU connectors.
   b. Connect tilt motor connectors.
   c. Connect front slide motor connector.
   d. Connect seat belt connector and attach it to frame (1 clip).
   e. Re-attach seat belt harness to frame (1 clip).

54. Route air bag harness under seat lifter motor assembly and attach to frame (2 clips).

55. Re-attach connectors to ADP CU bracket (2 clips).
56. Turn seat bottom frame over so it’s right side up. Place seat cushion pad onto seat cushion frame, attach the trim on both sides (3 clips on each side).

57. Connect seat heater connector.

58. Attach seat back to the seat bottom. Install 2 bolts at seat hinge (both sides). Then tighten the nuts and bolts to the specified torque,

Torque specs for the pivot bolts are: 43.1-54.0 Nm, 4.4-5.5 kg-m, 32-40 in –lb.
59. Turn the seat assembly upside down to access the bottom.

a. Attach clips to the front. (see Figure 60)

b. Attach rear clips of the seat cushion trim to the frame.

60. Attach elastic band to cushion spring. Make sure it is pulled tight
61. Attach seat back panel at the top, then reattach two clips at the bottom.

62. Install LH seat slide trim.

63. Install LH seat side finisher.
   
a. First, connect power seat switch connectors together
   
b. Then re-attach connector to seat frame (1 clip).
64. Secure the LH seat side finisher in place at the hinge end, then push the connector through seat frame bracket.

65. Attach 3 connectors to seat frame bracket (3 clips), then connect the connectors.

66. Install power seat switch knobs.
67. Install front lower finisher.
   a. Hook LH side first,
   b. then snap RH side in place.

68. Install RH Seat Cushion Inner Finisher.

69. Install seat assembly into the vehicle.
   a. Lean the entire seat assy back (so the seat back touches the rear seat) to access the under side of the seat.
   b. Connect the 3 connectors at front of seat

70. Tighten seat anchor bolts and install front and rear seat rail covers (both sides)
71. Reconnect battery, positive cable first.
72. Reprogram radio presets and set the clock.
2003-2007 MURANO; DRIVER’S SEAT NOISE AND / OR ROCKS BACK AND FORTH

This bulletin has been amended to include installation of the Lifter Link Assy. RR-LH. The Parts and Claims Information has also changed. Please discard all previous copies.

APPLIED VEHICLE(S): 2003-2007 Murano (Z50)
APPLIED DATE: Vehicles built before January 18, 2007

IF YOU CONFIRM
The driver’s seat is noisy and / or rocks back and forth slightly.

ACTION
Disassemble the seat as shown, install the parts listed below and reassemble the driver’s seat.

PARTS INFORMATION

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>PART #</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lifter Link Assembly FR-LH (2003-2005 MY)</td>
<td>87458-AR06A</td>
<td>1</td>
</tr>
<tr>
<td>Lifter Link Assembly RR-LH (all applied vehicles)</td>
<td>87473-CA00A</td>
<td>1</td>
</tr>
<tr>
<td>Lift Motor-FR-LH (w/ Memory System) (2003 MY)</td>
<td>87454-CA61A</td>
<td>1</td>
</tr>
<tr>
<td>Lift Motor-FR-LH (w/o Memory System) (2003 MY)</td>
<td>87454-CA01A</td>
<td>1</td>
</tr>
</tbody>
</table>

CLAIMS INFORMATION
Submit a Primary Failed Part (PP) line claim using the following claims coding:

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>PFP</th>
<th>OP CODE</th>
<th>SYM</th>
<th>DIA</th>
<th>FRT</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPR Left Front Power Seat</td>
<td>(1)</td>
<td>VX43AA</td>
<td>ZL</td>
<td>46</td>
<td>1.7 hrs</td>
</tr>
</tbody>
</table>

(1) Reference the FAST Parts Catalog and use the applicable LH Front Seat Adjuster Assy P/N as the PFP.

IMPORTANT: The purpose of “ACTIONS” (above) is to give you a quick idea of the work you will be performing. You MUST closely follow the entire Service Procedure (starting on page 2) as it contains information that is essential to successfully completing the repair.
<table>
<thead>
<tr>
<th>Number</th>
<th>Component</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Seatback board</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Headrest</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Lumbar support lever knob</td>
<td>Seatback trim</td>
</tr>
<tr>
<td>4</td>
<td>Headrest holder (free)</td>
<td>Inner stay</td>
</tr>
<tr>
<td>5</td>
<td>Seatback frame</td>
<td>Seat cushion pad</td>
</tr>
<tr>
<td>6</td>
<td>Side air bag module</td>
<td>Seat cushion trim</td>
</tr>
<tr>
<td>7</td>
<td>Seat cushion trim</td>
<td>Seat cushion inner finisher</td>
</tr>
<tr>
<td>8</td>
<td>Reclining inner device</td>
<td>Reclining outer device</td>
</tr>
<tr>
<td>9</td>
<td>Seat belt buckle</td>
<td>Power seat switch</td>
</tr>
<tr>
<td>10</td>
<td>Pedal adjusting switch</td>
<td>Slide &amp; lifter switch knob</td>
</tr>
<tr>
<td>11</td>
<td>Reclining switch knob</td>
<td>Seat cushion outer finisher</td>
</tr>
<tr>
<td>12</td>
<td>Seat control unit</td>
<td>Seat cushion front finisher</td>
</tr>
</tbody>
</table>

Note: Always replace after every disassembly. Apply body grease.}

\( \begin{align*}
\text{N-m (kg-m, in-lb)} & : \\
\text{N-m (ft-lb)} & : \\
\end{align*} \)
SERVICE PROCEDURE

1. Remove headrest.

2. Move the seat bottom forward to remove both rear seat rail covers and seat anchor bolts.

3. Move the seat bottom rearward to remove both front seat rail covers and seat anchor bolts.

4. Use the “tilt up” switch to move the seat bottom to the highest position.

5a Record all radio presets.

5b Turn the ignition key OFF.

6. Disconnect both battery cables (negative cable first) and wait 3 minutes before going to the next step.

7. Lean the entire seat assembly backwards (so the seat back touches the rear seat) so you can reach the underside of the seat.

   Disconnect 1 side air bag connector and 2 ADP Control Unit connectors.

Figure 1

8. Cover the door sill plate and lower B-Pillar finisher with a clean dry cloth fender cover.

9. Carefully remove the seat assembly from vehicle and place it on a clean dry work surface.

10. Place the seat upside down, to reach the underside.
11. Remove 3 connectors from the LH side bracket, and then disconnect the connectors.
12. Remove power seat slide and tilt switch knobs from lower LH side finisher.

13. Use flat blade to release clip between the lower front and LH side finishers.

14. Lift up the lower side finisher.
15. Disconnect power seat switch connectors.

Remove the power seat switch connector from the seat frame held by a clip.

16. Remove the LH seat slide finisher. (2 screws)
17. Release power seat switch harness from bracket.

18. Now remove LH lower side finisher.
19. Remove lower front finisher (2 clips).

20. Release elastic band from cushion spring.

22. Remove seat back panel 2 clips located at lower end of seat back.

23. Disconnect the seat back panel and then slide it up and off.

24. Disconnect connectors at ADP control unit (CU).
25. Remove seat harness from ADP CU bracket (1 clip).

26. Remove connector from ADP CU bracket.

27. Remove side air bag connector from ADP CU bracket (1 clip).
28. Remove connectors from ADP CU bracket (2 clips).

29. Disconnect seat slide motor connector.
30. Disconnect the tilt seat motor connectors.

31. Remove seat belt connector from seat frame and disconnect the connector.
32. Remove seat belt harness from seat lifter adjuster (1 clip).
33. Disconnect side air bag harness from seat cushion frame (2 clips).
34. Remove both clips at the back of the seat cushion frame. (see Figures 31 and 32)

35. Remove the bolts at each pivot end (14mm bolt). This will detach the seat cushion pad from seat back pad.
36. Remove seat cushion trim (3 clips on each side, 1 clip along front, and 1 clip along rear).

37. Disconnect seat heater switch connector, located between seat back and seat bottom.

38. Push harness through seat springs and out of the way.
39. Remove the Seat Cushion Frame (4 nuts – 12mm)

40. Remove side brackets from seat lift adjuster (Both sides)

- Long bracket (LH side)

- Short bracket (RH side)
41. Remove Seat Lifter Motor Assembly (4 bolts & 2 nuts) from Seat Lift Adjuster Assembly.

42. Remove the seat belt bracket nuts, then the bracket.
IMPORTANT:

- Seat track alignment MUST be kept through the next few steps.
- This is done by carefully following the next few steps.

43. Install Seat Lift Adjuster Assembly back into the vehicle and tighten down all 4 seat anchor bolts.

**NOTE:** This step will securely hold the seat lift adjust assembly during removal of the lifter link assemblies.

44. Remove the seat switch cover bracket and its two nuts.

**NOTE:** Do not remove any of the other nuts at this time.
45. Remove the 3 nuts holding the Lifter Link Assy. FR-LH and ADP control unit (CU) bracket.

**CAUTION:** DO NOT loosen any other bolts at this time, only the 3 called out in Figure 44.

46. Remove the Lifter Link Assy. FR-LH and ADP control unit (CU) bracket.

47a. Install the new Lifter Link Assy. FR LF from the Parts Information section of this bulletin.

47b. Reinstall the ADP control unit bracket.

47c. Torque the three nuts to:

- 11.0-14.5 N m (1.12-1.47 Kg-m, 8.1-10.7 ft-lb)
48. Remove the 3 nuts holding the Lifter Link Assy. RR-LH, then remove the Assy.

49a. Install the new Lifter Link Assy. RR LF from the Parts Information section of this bulletin.

49b. Torque the 1 M8 “gold” nut to:
- 11.0-14.5 N·m (1.12-1.47 Kg-m, 8.1-10.7 ft-lb)

49c. Torque the 2 M10 “black” nuts to:
- 43.5-58.5 N·m (4.4-5.9 Kg-m, 32-43 ft-lb)

50. Reinstall the seat switch cover bracket. Torque the 2 M8 “gold” nuts to:
- 11.0-14.5 N·m (1.12-1.47 Kg-m, 8.1-10.7 ft-lb)
51. Remove the seat lift adjuster assembly from the vehicle.

52. Reinstall the seat belt bracket.
Torque the 2 M108 “black” nuts to:

- 43.5-58.5 N•m (4.4-5.9 Kg-m, 32-43 ft-lb)

53. For Applied 2003 MY Vehicles:
Install the **NEW** seat lifter motor assembly onto the seat lift adjuster assembly.

Install the nuts and bolts finger tight, in the following order:
1. **N1** and **N2**.
2. **B5** and **B6**.
3. **B3** and **B4**.

Torque to 11.0-14.5 N•M (1.12-1.47 kg-m, 8.1-10.7 ft-lb.) in the following order:
1. **B5** and **B6**.
2. **B3** and **B4**.
3. **N1** and **N2**.

**OR**

**For 2004 - 2007 MY Vehicles:**
Re-install the original seat lifter motor assembly onto the seat lift adjuster assembly. Tighten the nuts and bolts using the same sequence as Step 51 above.
54. Install side support bracket (both sides)

- Install the mounting bolts for the Long bracket (LH side). Torque to 11.0-14.5 N•M (1.12-1.47 kg-m, 8.1-10.7 ft-lb.)

- Install the mounting bolts for the Short bracket (RH side). Torque to 11.0-14.5 N•M (1.12-1.47 kg-m, 8.1-10.7 ft-lb.)

55. Re-install seat cushion frame to the seat lift adjuster assembly.
56. Install the front side of cushion frame into the slots.
   a. Lock in front with nuts, 1 turn each. (see Figure 56)
   b. Next install the rear side of cushion frame into slots by pulling in a rearwards direction.
   c. Lock in rear with nuts.
   d. Now torque down all 4 nuts completely to 11.0-14.5 N•M (1.12-1.47 kg-m, 8.1-10.7 ft-lb.).

**NOTE:** Improper tightening (nuts not tight enough) may cause a customer to come back with complaint of a spring-type noise.

57a. Route the seat harness (which is attached to the seat back) through the cushion spring as shown and

57b. Attach to seat cushion frame (2 clips).
58. Turn the seat bottom frame upside down.
   a. Connect ADP CU connectors.
   b. Connect tilt motor connectors.
   c. Connect front slide motor connector.
   d. Connect seat belt connector and attach it to frame (1 clip).
   e. Re-attach seat belt harness to frame (1 clip).

59. Route air bag harness under seat lifter motor assembly and attach to frame (2 clips).

60. Re-attach connectors to ADP CU bracket (2 clips).
61. Turn seat bottom frame over so it’s right side up. Place seat cushion pad onto seat cushion frame, attach the trim on both sides (3 clips on each side).

62. Connect seat heater connector.

63. Attach seat back to the seat bottom. Install 2 bolts at seat hinge (both sides). Then tighten the nuts and bolts to the specified torque,

   Torque specs for the pivot bolts are: 43.1-54.0 Nm, (4.4-5.5 kg-m, **32-40 in –lb**.)
64. Turn the seat assembly upside down to access the bottom.

- Attach clips to the front. (see Figure 63)

- Attach rear clips of the seat cushion trim to the frame.

65. Attach elastic band to cushion spring. Make sure it is pulled tight.
66. Attach seat back panel at the top, then reattach two clips at the bottom.

67. Install LH seat slide trim.

68. Install LH seat side finisher.
   a. First, connect power seat switch connectors together
   b. Then re-attach connector to seat frame (1 clip).
69. Secure the LH seat side finisher in place at the hinge end, then push the connector through seat frame bracket.

70. Attach 3 connectors to seat frame bracket (3 clips), then connect the connectors.

71. Install power seat switch knobs.
72. Install front lower finisher.
   a. Hook LH side first,
   b. then snap RH side in place.

73. Install RH Seat Cushion Inner Finisher.

74. Install seat assembly into the vehicle.
   a. Lean the entire seat assy back (so the seat back touches the rear seat) to access the under side of the seat.
   b. Connect the 3 connectors at front of seat

75. Tighten seat anchor bolts and install front and rear seat rail covers (both sides)
76. Reconnect battery, positive cable first.
77. Reprogram radio presets and set the clock.