

Applies To: **1999 Odyssey EX (KA) – ALL**
2000 Odyssey EX (KA) – ALL
(KX) – ALL
2001 Odyssey EX – ALL

August 2002

Power Sliding Door(s) Do Not Work and DTC 25 Is Set

(Supersedes 99-028, *Power Sliding Door(s) Do Not Work and DTC 25 Is Stored*, dated June 2000)

SYMPTOM

One or both power sliding doors do not work, the power sliding door indicator light is on, and DTC 25 is set.

PROBABLE CAUSES

- Loose or poor connections at ground G551, G552, G581, and G582.
- Misalignment or poor contact of the door or body junction switch pins.

CORRECTIVE ACTION

| KA Vehicles Year and VIN | Procedure |
|--|-----------|
| 1999 — ALL | A & B |
| 2000 from VIN 2HKRL....YH500001 thru VIN 2HKRL....YH603416 | A & B |
| 2000 above VIN 2HKRL....YH603416 | B |
| 2001 — ALL | B |

| KX Vehicles Year and VIN | Procedure |
|--|-----------|
| 2000 from VIN 2HKRL....YH900001 thru VIN 2HKRL....YH901384 | A & B |
| 2000 above VIN 2HKRL....YH901384 | B |
| 2001 — ALL | B |

REPAIR PROCEDURE A: Clean the affected grounding points, and install star washers. If this repair was done earlier, do only **REPAIR PROCEDURE B**.

REPAIR PROCEDURE B: Replace the door and body junction switches. Adjust both sliding doors, then align the junction switches.

PARTS INFORMATION

NOTE: For 1999–00 KA vehicles and 2000 KX vehicles, order only junction switches with P/Ns ending with A03. Junction switch P/Ns ending with A02 do not apply to the LAC market.

Junction Switches

1999–00, Left Body:
P/N 35435-S0X-A03, H/C 6787626

1999–00, Left Door:
P/N 35436-S0X-A03, H/C 6787659

1999–00, Right Body:
P/N 35430-S0X-A03, H/C 6787568

1999–00, Right Door:
P/N 35431-S0X-A03, H/C 6787592

2001, Left Body:
P/N 35435-S0X-A32, H/C 6787642

2001, Left Door:
P/N 35436-S0X-A32, H/C 6787675

2001, Right Body:
P/N 35430-S0X-A32, H/C 6787584

2001, Right Door:
P/N 35431-S0X-A32, H/C 6787618

6 mm Star Washer (four required):
Commercially available

WARRANTY CLAIM INFORMATION

In warranty: The normal warranty applies.

REPAIR PROCEDURE A

Operation Number: 744301

Flat Rate Time: 1.5 hours

Failed Part: P/N 64370-SOX-A00ZZ
H/C 5955042

Defect Code: 066

Contention Code: B99

REPAIR PROCEDURE B

Operation Number: 745112

Flat Rate Time: 1.5 hours

Failed Part: P/N 35435-SOX-A01
H/C 5963194

Defect Code: 066

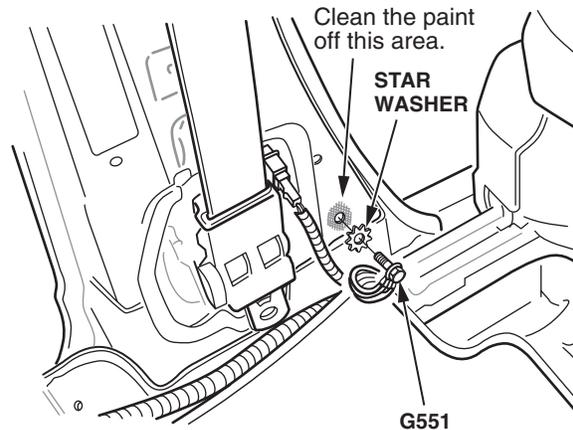
Contention Code: B99

If you do both **REPAIR PROCEDURE A** and **REPAIR PROCEDURE B**, you must submit two separate claims.

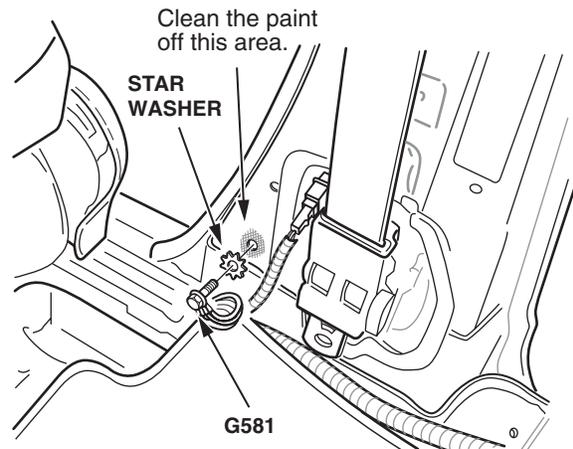
REPAIR PROCEDURE A

1. Make sure you have the anti-theft code for the radio, then write down your customer's radio station presets.
2. Open the power sliding doors.
3. Disconnect the negative cable from the battery. Failure to disconnect the negative cable may damage the power sliding door control units.
4. Remove the left and right center pillar trim pieces (see the Body section of the 2000 Odyssey Shop Manual).
5. Check if G551 and G581 have star washers between the mounting bolts and the body.
 - If they have star washers, go to step 12.
 - If they do not have star washers, go to step 6.

6. At the left center pillar, remove the mounting bolt for G551.

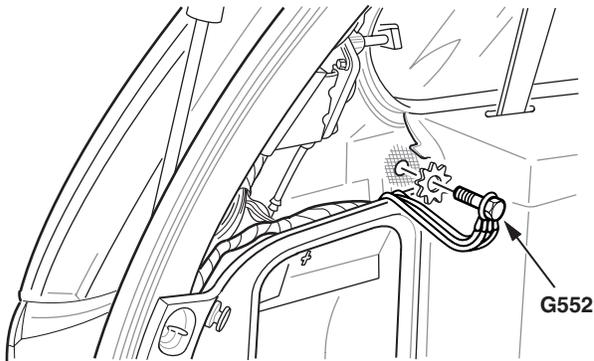


7. Use sandpaper to remove the paint around the bolt hole.
8. Clean the paint out of the bolt hole by running a 6 mm x 1.0 tap through the hole.
9. Install a star washer between the body and the wire terminals, then reinstall the bolt. Torque the bolt to 9 N·m (7 lb-ft).
10. At the right center pillar, remove the mounting bolt for G581.

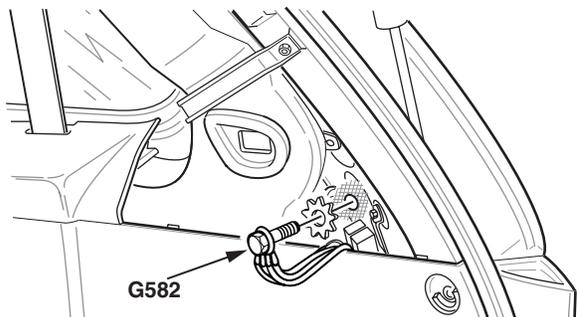


11. Repeat steps 7 thru 9 for G581.
12. Remove the left and right rear pillar trim pieces (see the Body section of the 2000 Odyssey Shop Manual).
13. Check if G552 and G582 have star washers between the mounting bolts and the body.
 - If they have star washers, go to step 20.
 - If they do not have star washers, go to step 14.

14. At the left rear pillar, remove the mounting bolt for G552.



15. Use sandpaper to remove the paint around the bolt hole.
16. Clean the paint out of the bolt hole by running a 6 mm x 1.0 tap through the hole.
17. Install a star washer between the body and the wire terminals, then reinstall the bolt. Torque the bolt to 9 N·m (7 lb-ft).
18. At the right rear pillar, remove the mounting bolt for G582.



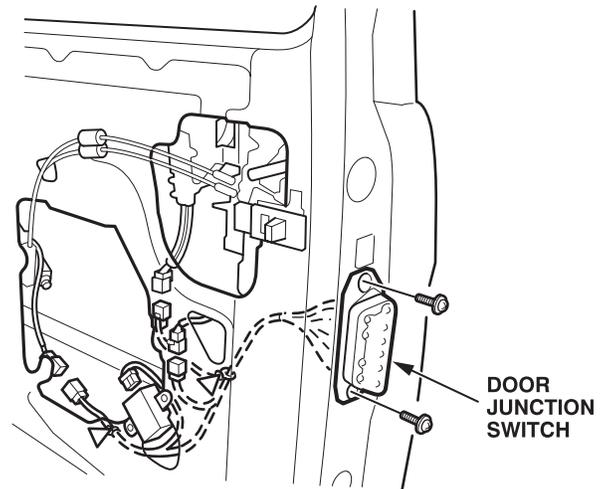
19. Repeat steps 15 thru 17 for G582.
20. Reinstall the left and right rear pillar trim pieces. Make sure the rear seat belts retract smoothly.
21. Reconnect the negative cable to the battery.
22. Enter the anti-theft code and your customer's radio station presets. Reset the clock.
23. Clear the DTCs from the power sliding door control units (see the Body Electrical section of the 2000 Odyssey Shop Manual).
24. Close the power sliding door.
25. Turn off the power sliding door main switch.
26. Manually open the power sliding door all the way.
27. Turn the power sliding door main switch to ON.
28. Press and hold the appropriate power sliding door switch to close the door you just opened. Continue to hold the switch until the door is fully closed.

29. Do steps 24 thru 28 for the other power sliding door.

30. Open and close both sliding doors using the power sliding door switches, the inner and outer door handles, and the keyless entry remote transmitters.

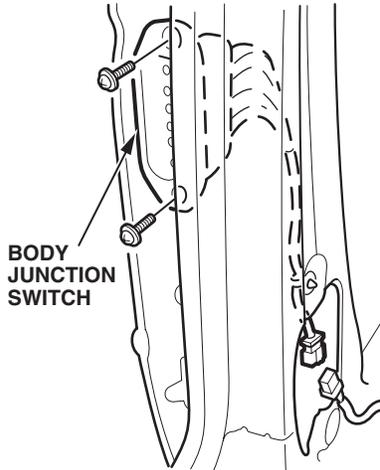
REPAIR PROCEDURE B

1. Remove the door panel (see the Body section of the 2000 Odyssey Shop Manual).
2. Inside the door, unplug the door junction switch from its electrical connectors, and unclip its wire clips.

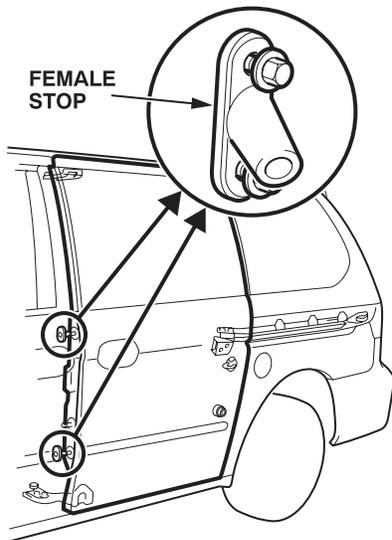


3. Remove the door junction switch (two screws).
4. Install the new door junction switch, making sure to plug in all its connectors and to route its wires with the wire clips.
NOTE: If any wires on the new switch are touching each other, separate them.
5. Remove the center pillar trim piece (see the Body section of the 2000 Odyssey Shop Manual).
NOTE: Do not do this step if you did **REPAIR PROCEDURE A**.
6. Remove the front seat belt retractor, but keep the tensioner connector plugged in (see the Body section of the 2000 Odyssey Shop Manual).

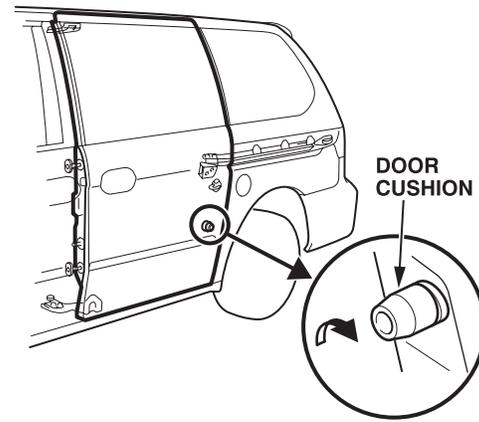
7. Inside the center pillar, unplug the body junction switch from its electrical connector, and unclip its wire clips.



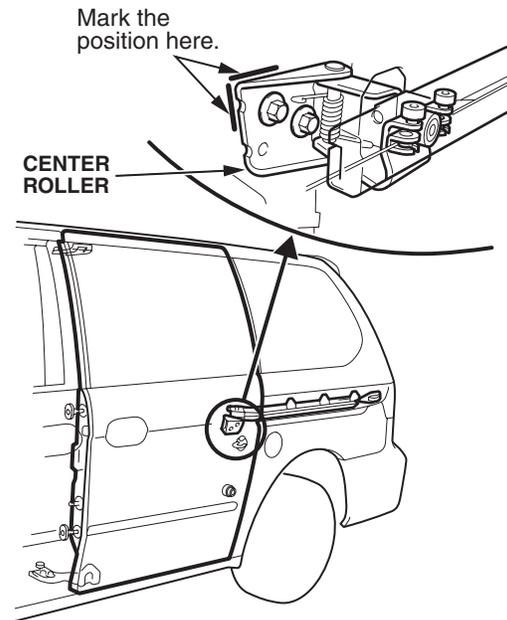
8. Remove the body junction switch (two screws).
9. Install the new body junction switch, making sure to plug in its connector and to route its wires with the wire clips.
- NOTE: If any wires on the new switch are touching each other, separate them.
10. Open the sliding door, then turn off the power sliding door main switch on the dashboard.
11. Loosen the bolts on the door's female stops enough to move the stops.



12. Turn the door cushion clockwise as far as it will go.

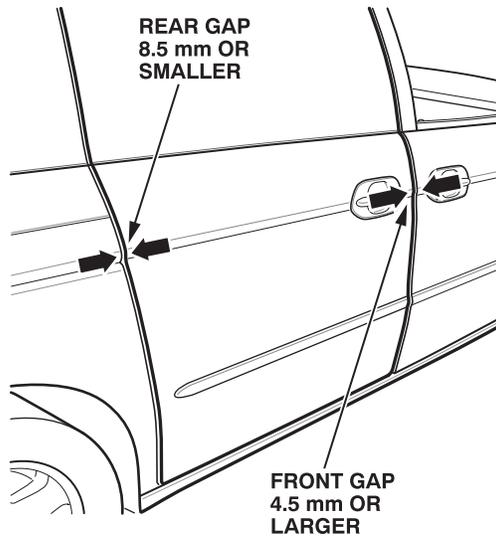


13. Mark the position of the center roller with a permanent marker. This will help you gauge the amount of adjustment needed for the roller.

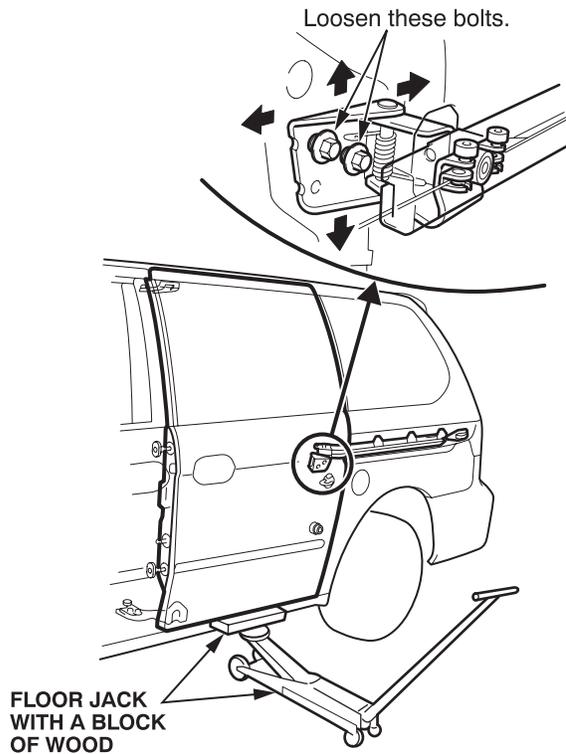


14. Close the sliding door fully, then inspect the gaps at the front and rear of the door. Also inspect the top-to-bottom position of the rear of the door, using the center body line as a reference.

NOTE: For best junction switch contact, make the gap at the front of the door smaller than the rear gap. But do not make the front gap smaller than 4.5 mm or the rear gap larger than 8.5 mm.

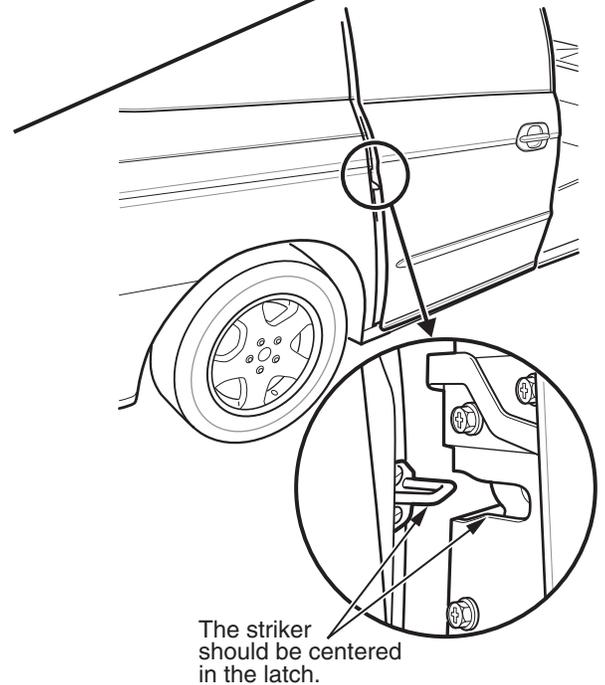
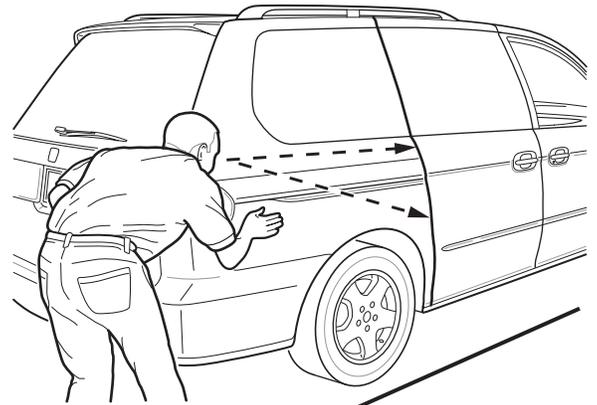


15. Support the door, then loosen the center roller bolts.

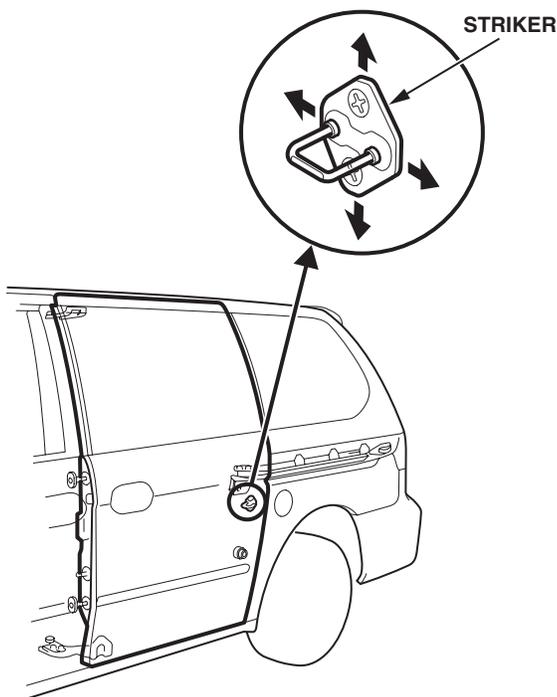


16. To equalize the gaps between the door and the body, move the door forward or backward and up or down while keeping the center roller level. When you are finished with this adjustment, torque the center roller bolts to 22 N·m (16 lb-ft).

17. Inspect the rear of the door for in or out overhang from the rear panel; it should overhang the panel about 0.5 mm. Also inspect the position of the striker in the latch opening while you close the door; it should be centered up and down.



18. Loosen the striker screws.



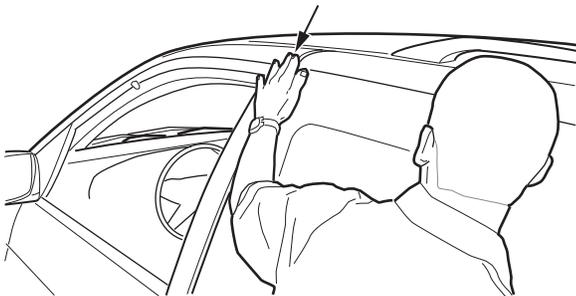
19. Adjust the striker left or right to make the rear of the door overhang the rear panel about 0.5 mm (but not more than 1 mm). Then adjust the striker up or down to center it in the latch when the door closes. When you are finished with this adjustment, torque the striker screws to 18 N·m (13 lb-ft).

NOTE: Make sure the striker is level after your adjustments.

20. Close the power sliding door, then check if the upper corner is flush with the front door.

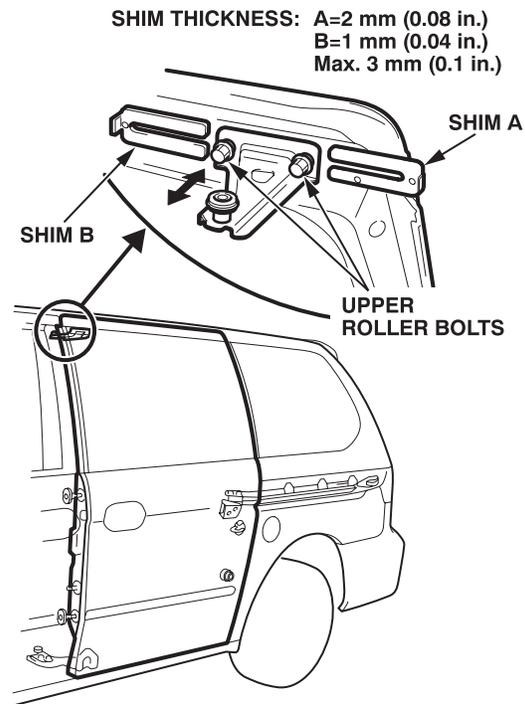
- If the power sliding door is flush, go to step 22.
- If the power sliding door is not flush, go to step 21.

Front and rear doors should be flush.



21. Loosen the upper roller bolts, then add or remove shims under the upper roller to make the sliding door flush with the body and the front door. Do not shim the door more than 3 mm. When you are finished with this adjustment, torque the upper roller bolts to 10 N·m (7 lb-ft).

NOTE: Adding or removing shims improves door flushness only at the upper front corner.



22. Open the front door on the side you are working on.

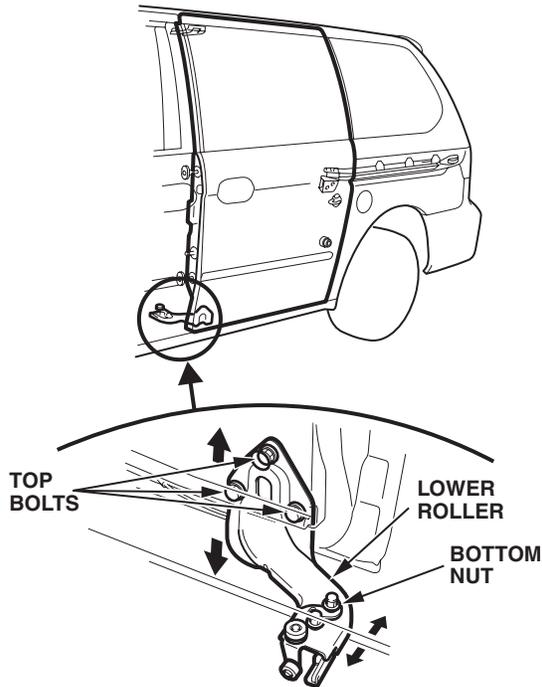
23. Check the tightness of the sliding door by pulling hard in and out on the leading edge, about 1/3 of the way up from the bottom. The door should fit tightly against the seals. Also inspect the top-to-bottom position at the front of the sliding door, using the center body line as a reference to the front door.

- If the door does not fit tightly, go to step 24.
- If the door fits tightly, go to step 25.

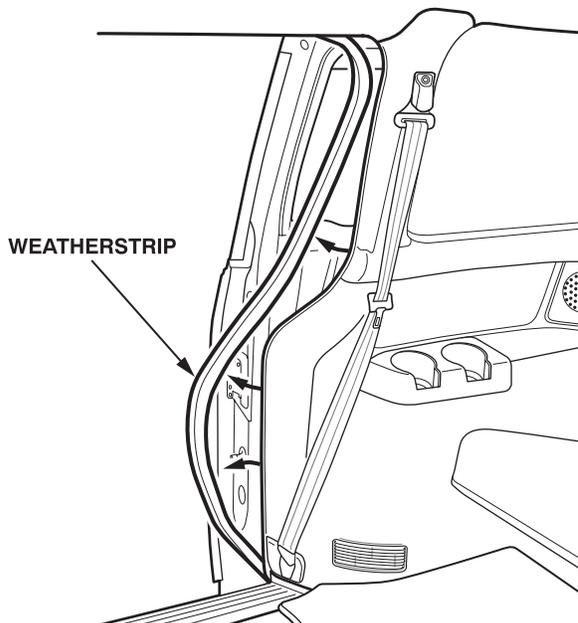


24. Loosen the three top bolts for the lower roller, and move the door up or down to align the body lines and to provide good junction switch contact. Loosen the bottom nut for the lower roller to adjust the door in or out until the door is held tightly against the seals. When you are finished with this adjustment, torque the three top bolts to 22 N·m (16 lb-ft); torque the bottom nut to 10 N·m (7 lb-ft).

NOTE: For best junction switch contact, make sure there is minimal in and out movement at the front of the door while keeping the door flush with the body.

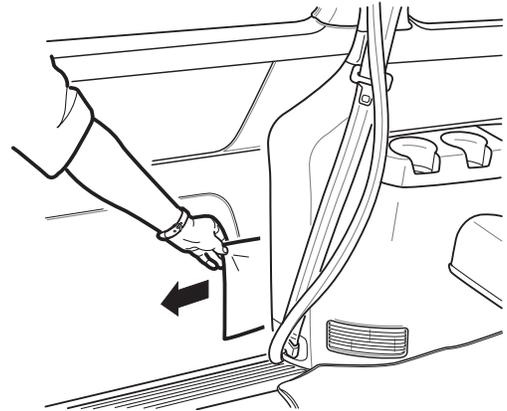


25. Remove the weatherstrip from the rear edge of the door opening.



26. Turn the power sliding door main switch to ON.

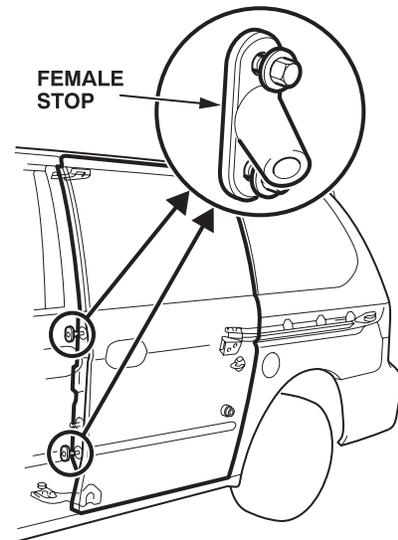
27. Hold a piece of paper over the door cushion, and close the door with the paper trapped between the cushion and the door. Make sure you do not pinch the weatherstrip.



28. Pull out the paper.

- If the paper is held tight but you can pull it out without ripping it, reinstall the weatherstrip, and go to step 29.
- If the paper rips or it is not held tight, adjust the door cushion. Then reinstall the weatherstrip, and go to step 29.

29. Tighten the bolts on the female stops to a point where the stops move but still hold their position.

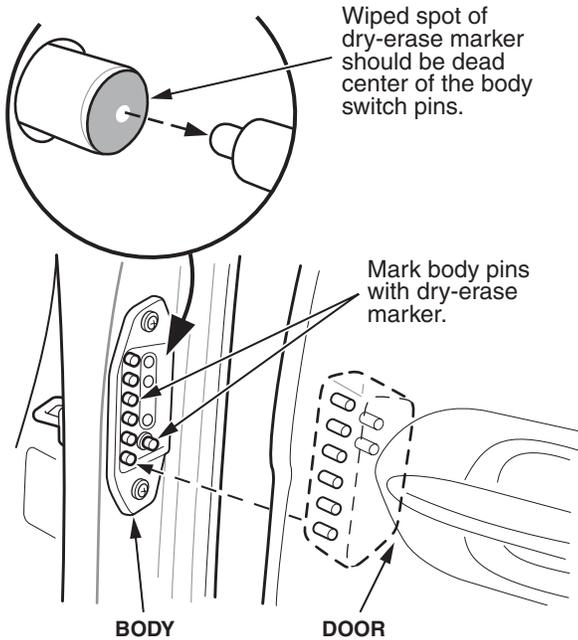


30. Close the sliding door, then open it.

31. Carefully tighten the stop bolts, alternating between the top and the bottom bolt, until all four bolts are torqued to 8 N·m (6 lb-ft).

NOTE: The stop will pivot if you apply too much torque to one bolt while the other is loose.

32. Mark each pin on the body junction switch with a dry-erase marker. (Dry-erase markers are commonly used on whiteboards.)



33. Close the door, then open it.

34. Inspect the pin contact points on the body junction switch. You should see a small spot where each door pin wiped an area clean on each body pin.
- If the spots are centered on every pin, go to step 35.
 - If the spots are not centered, loosen the screws on the door junction switch, then move the switch to align the contact points. When you are finished with this adjustment, tighten the switch screws, then go to step 35.

NOTE: If you cannot align the pins, adjust the door up or down by repeating steps 24 thru 34 as needed.

35. Wipe the door and body junction switch pins with a clean, dry shop towel, then clean each pin by wiping it with a pencil eraser.

NOTE: Never use sandpaper or other abrasives to clean the pins.

36. Install the door panel and the center pillar trim piece.
37. Do the junction switch replacement, door adjustment, and switch alignment procedures on the other power sliding door. Repeat steps 1 through 36 as needed.