

October 11, 2019

Version 1

2017-18 NSX Wind Noise

AFFECTED VEHICLES

Year	Model	Trim	VIN Range
2017	NSX	ALL	ALL
2018	NSX	ALL	19UNC1...JY000001 - 19UNC1...JY000094

SYMPTOM

There is a whooshing or whistling from the driver's and/or passenger window area.

POSSIBLE CAUSE

There is an improper seal between the door glass and seal.

CORRECTIVE ACTION

Test drive the vehicle and verify the location of the wind noise, then verify the door glass alignment. Depending where the noise is coming from, you may replace the inner door seal and power mirror assembly, or outer door seal only as needed. 2018 models outside the VIN range do not apply.

CLIENT INFORMATION: The information in this bulletin is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely maintain your vehicle. These procedures should not be attempted by "do-it-yourselfers," and you should not assume this bulletin applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Acura automobile dealer.

PARTS INFORMATION

NOTE

Not all parts are needed for each repair. Do the inspection procedure first to determine the needed parts.

Part Name	Part Number	Quantity
Right Front Door Outer Seal	72310-T6N-A02	1
Left Front Door Outer Seal	72350-T6N-A02	1
Right Power Mirror Assembly	76216-T6N-A03	1
Left Power Mirror Assembly	76266-T6N-A03	1
Right Front Door Inner Seal	72315-T6N-A02	1
Left Front Door Inner Seal	72355-T6N-A02	1
Door Panel Clips (for each door panel)	91560-SLJ-901	14

REQUIRED MATERIALS

Part Name	Part Number	Quantity
Shin-Etsu Silicone Grease (One tube repairs about 30 vehicles.)	08798-9013	1
Wool Felt (1 mm) (One roll repairs about 500 vehicles.)	06993-SA5-000	1
3M General Purpose Adhesive Cleaner	Commercially Available	1
3M Automotive Adhesive Promoter	Commercially Available	1

TOOL INFORMATION

Tool Name	Part Number	Quantity
Plastic Trim Tool (pack of 10)	SILTRIMTL10	1
Rubber Roller	MHLE54D	1

These tools are available for purchase through the Acura Tool and Equipment program

WARRANTY CLAIM INFORMATION

The normal warranty applies.

NOTES

- Due to possible combination of repairs, there are no template IDs.
- In some cases, based on the results of your inspections, you may be directed to do REPAIR PROCEDURE A and B on the same side of the vehicle, however, in these cases, the window adjustment only needs to be done one time.

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Failed Part Number
8265A0	Test-drive vehicle, and verify the location of the wind noise.	0.3 hr	07480	05604	73350-T6N-A00
8275A0	Verify the door glass adjustment (either right or left side, includes administration time).	0.4 hr			

REPAIR PROCEDURE A

Use add codes only if applicable to repairs above

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Failed Part Number
A	Verify door glass adjustment on opposite side (use only if both sides are needed).	0.2 hr	07480	05604	73350-T6N-A00
B	Adjust door glass, and re-check measurement (either right or left side).	0.8 hr			
C	Adjust door glass, and re-check measurement on opposite side (use only if both side are needed).	0.8 hr			
F	Replace right outer door seal and right power mirror (includes door grip cover felt replacement).	1.1 hr			
G	Replace left outer door seal and left power mirror (includes door grip cover felt replacement).	1.1 hr			

REPAIR PROCEDURE B

Use add codes only if applicable to repairs above

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Failed Part Number
A	Verify door glass adjustment on opposite side (use only if both sides are needed).	0.2 hr	07480	05604	73350-T6N-A00
B	Adjust door glass, and re-check measurement (either right or left side).	0.8 hr			
C	Adjust door glass, and re-check measurement on opposite side (use only if both side are needed).	0.8 hr			
D	Replace right inner door seal.	0.4 hr			
E	Replace left inner door seal.	0.4 hr			

Skill Level: Repair Technician

INSPECTION PROCEDURE

Test-drive the vehicle with the client 1 mile out and 1 mile back. Listen and determine if the noise is coming from the following areas:

- Outer Door Seal and Power Mirror
- Inner Door Seal

NOTES

- Heavy cross winds may affect the noise.
 - If the wind noise is coming from a different area than the ones shown below, continue with normal system troubleshooting.
1. Check to see if there is any noticeable deformation / pinching in the door outer seal. If there is, go to REPAIR PROCEDURE A (OUTER DOOR SEAL AND POWER MIRROR). If not, go to the next step.

OUTER DOOR SEAL GAP

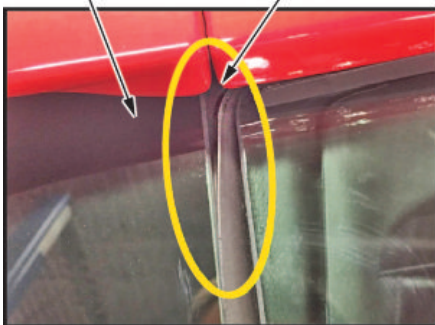


OUTER DOOR SEAL PINCHED

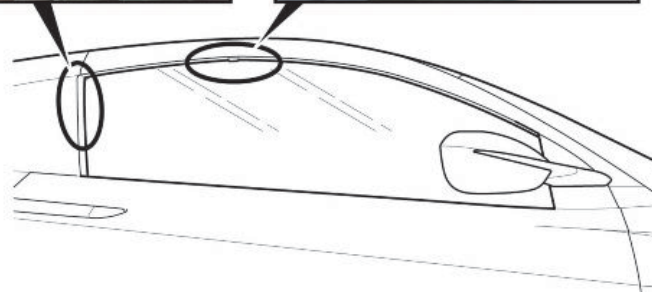
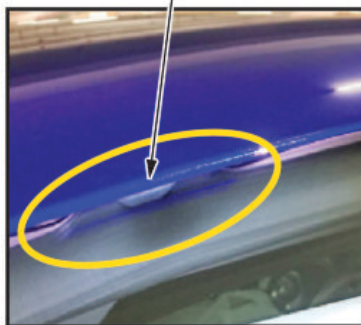


2. Check to see if the guide clip on the inner door seal is pinched or if there is a gap between the inner door seal and quarter glass. If either of these conditions are found, and/or additional damage is found, go to REPAIR PROCEDURE B (INNER DOOR SEAL). If not, go to the next step.

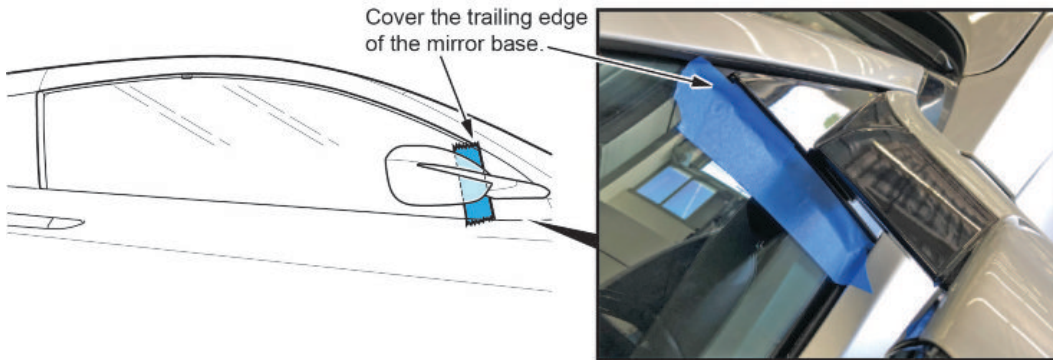
QUARTER GLASS INNER DOOR SEAL GAP



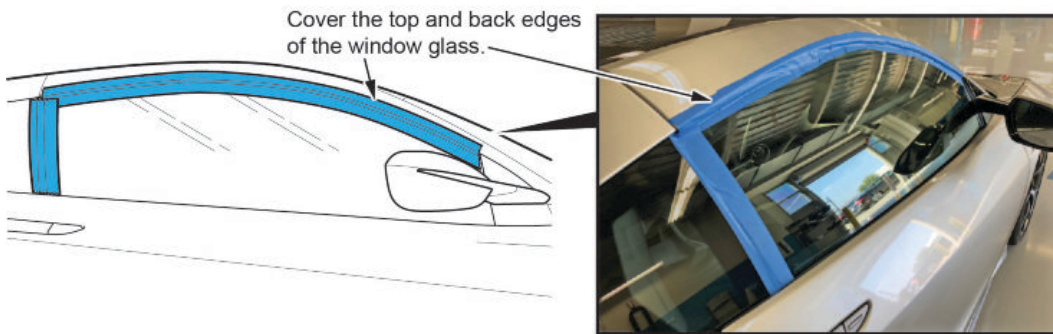
PINCHED GUIDE CLIP



3. Tape the outer door seal / run channel to the door glass, and cover the trailing edge of the mirror base. Then, test-drive the vehicle to verify that the wind noise decreases. If it does, go to REPAIR PROCEDURE A (OUTER DOOR SEAL AND POWER MIRROR). If not, go to the next step.



4. Apply tape around the top and back edge of the front window glass, and test-drive the vehicle to verify that the wind noise decreases. If it does, go to REPAIR PROCEDURE B (INNER DOOR SEAL).



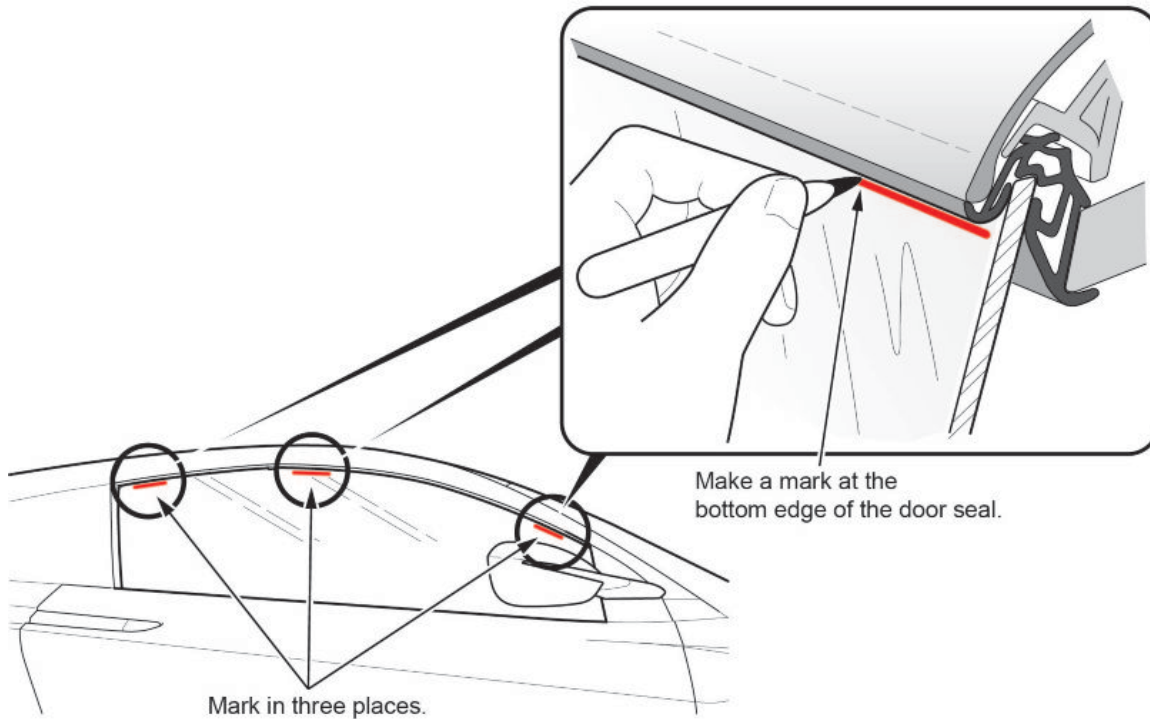
REPAIR PROCEDURE A (OUTER DOOR SEAL AND POWER MIRROR)

Before replacing any parts, make sure to follow every step, check all door glass position measurements, and make adjustments so the door glass is within the tolerance range. Every measurement must be checked before continuing. In addition to the information below, you can refer to the service information for door glass position / tilt adjustment, measurement, and tolerance range.

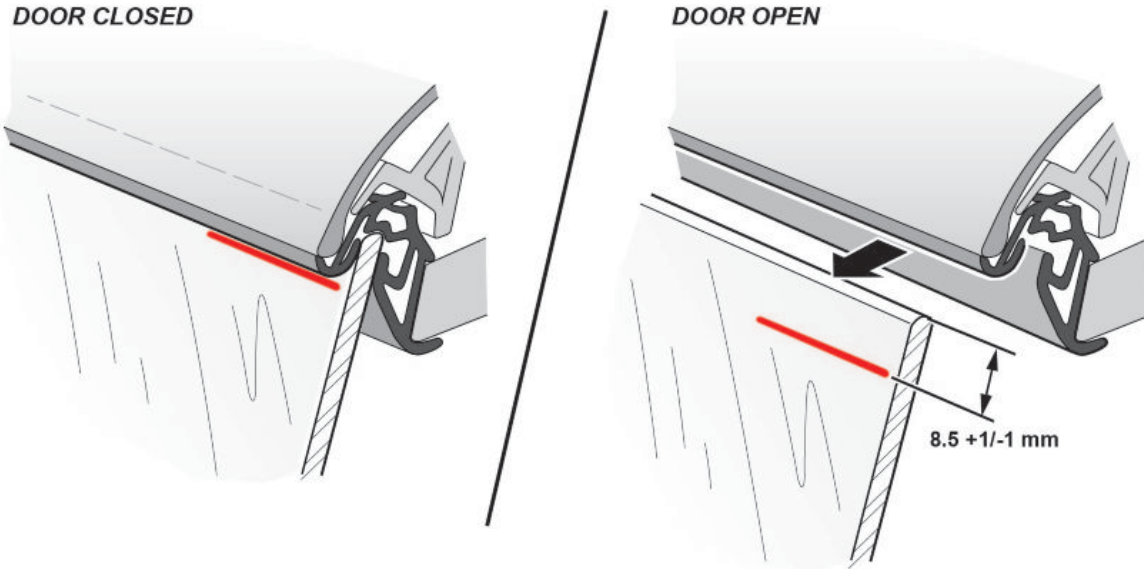
NOTE

In some cases, based on the results of your inspections, you may be directed to do REPAIR PROCEDURE A and B on the same side of the vehicle, however, in these cases, the window adjustment only needs to be done one time.

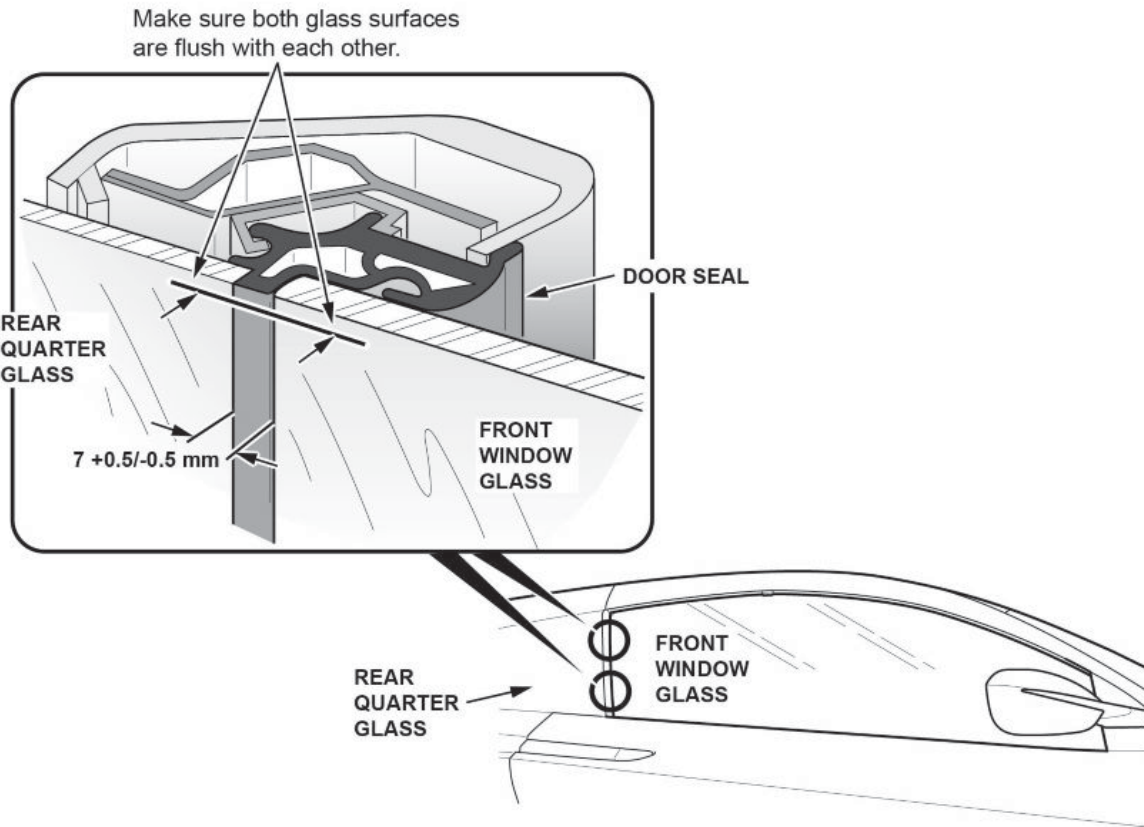
1. With the window fully closed, use a dry erase marker to mark the window as shown. Be sure to mark the glass where the edge of the seal ends.



Open the door, and let the window index down. Measure the distance from the mark to the very top edge of the window glass. Check that this measurement is within **8.5 +1 / -1 mm**.

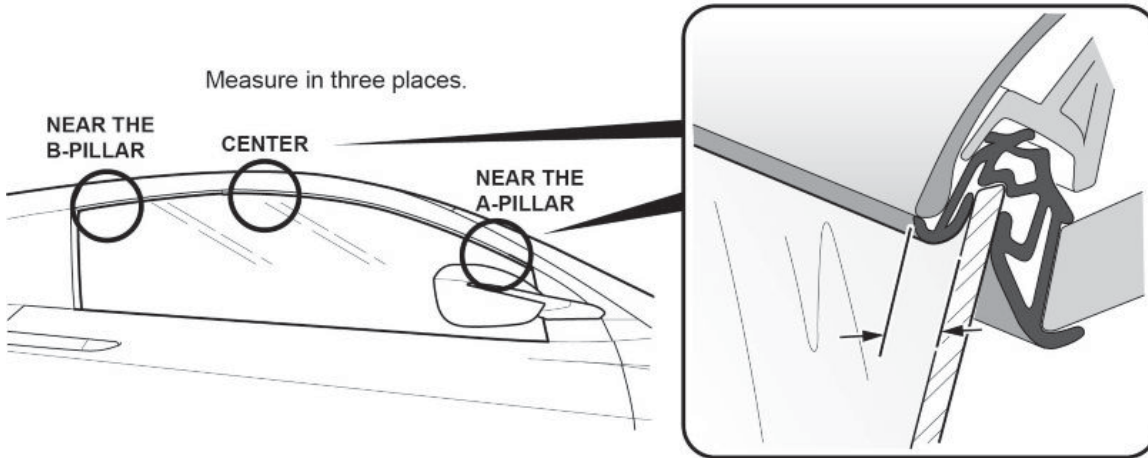


2. With the door closed, measure the distance between the front window glass and the rear quarter glass. Check that this measurement is within **7 +0.5 / -0.5 mm**.

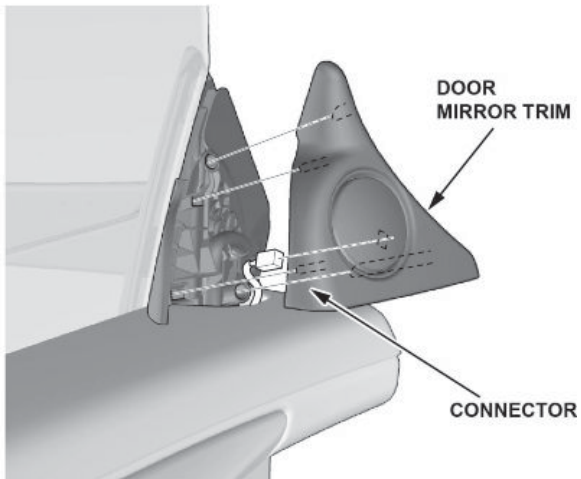


3. Measure from the surface of the glass to the edge of the roofline. Check that these measurement are within ranges shown below.

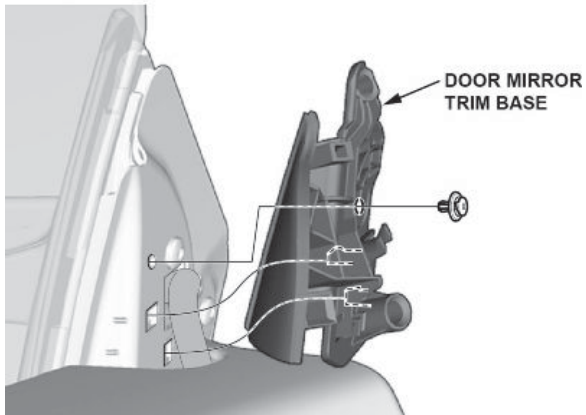
Measuring Point	Acceptable Limit
Near the A-Pillar	10.5 - 12 mm
Center	11.3 - 12.8 mm
Near the B-Pillar	18.4 - 19.9 mm



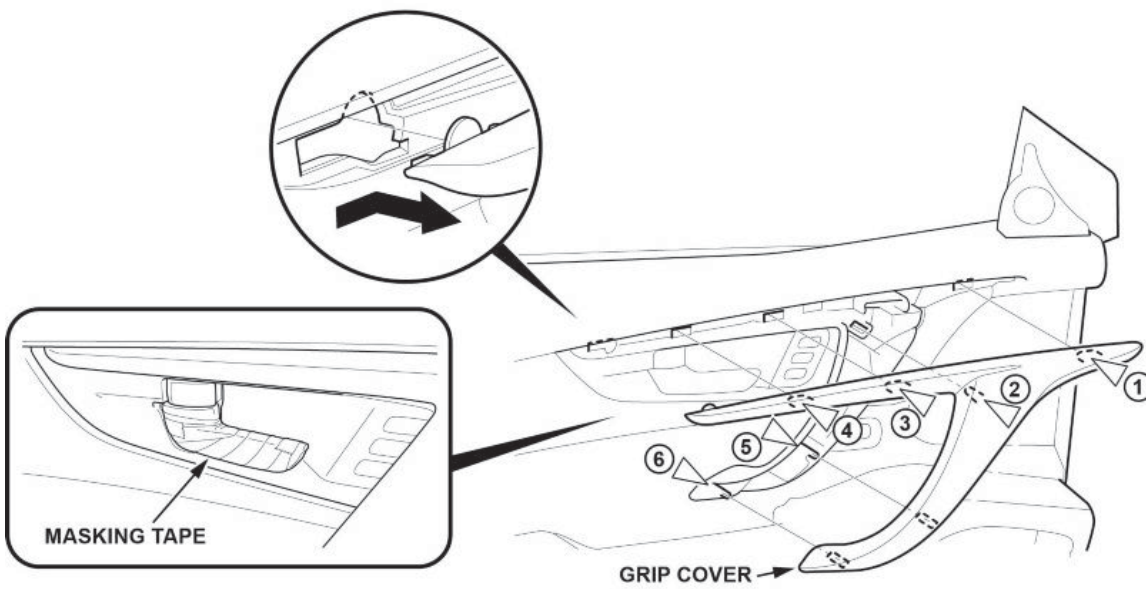
4. Remove the door mirror trim.



5. Remove the door mirror trim base.



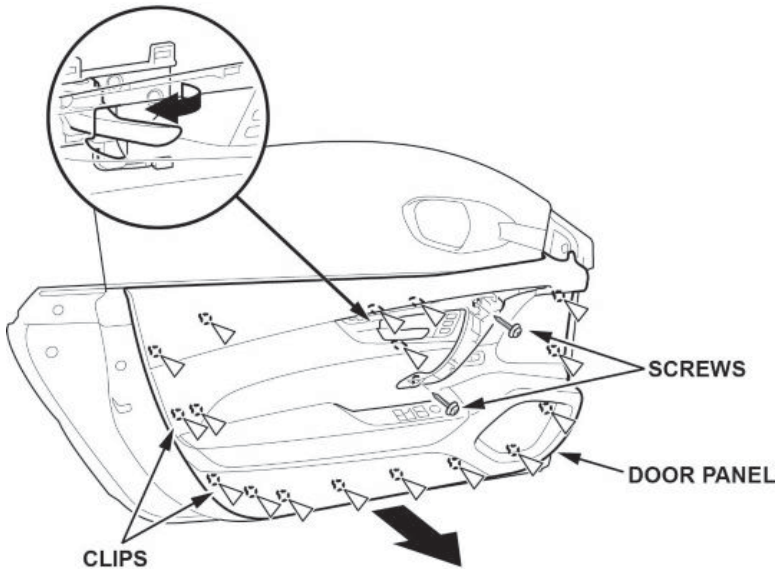
6. Remove the grip cover, apply masking tape around the inner door handle to protect it from scratches.



7. Remove the door panel.

NOTE

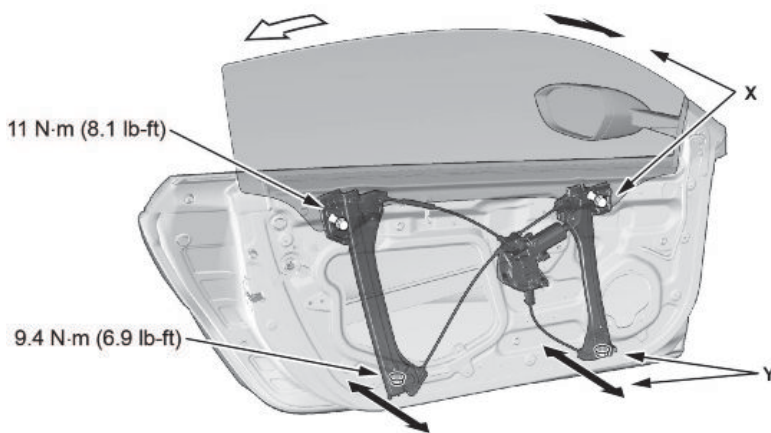
Door panel clips must be replaced after removal.



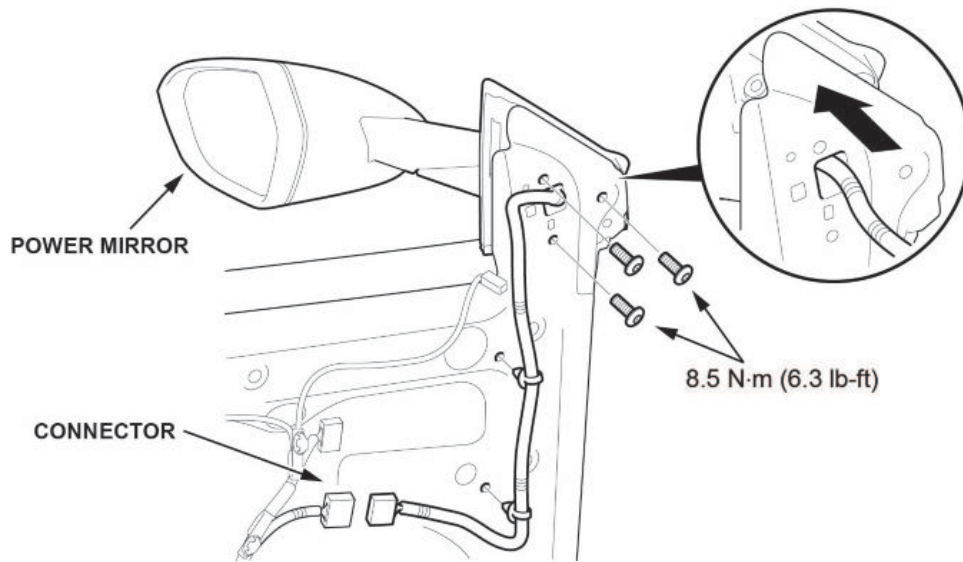
- If adjustment is needed continue to step 8.
 - If no adjustment is needed continue to step 9.
8. Loosen the window regulator bolts, and adjust the window glass to be within the tolerance range indicated. In addition to the information shown here, you can also refer to the service information for door glass position / tilt adjustment, measurement, and tolerance range.

NOTE

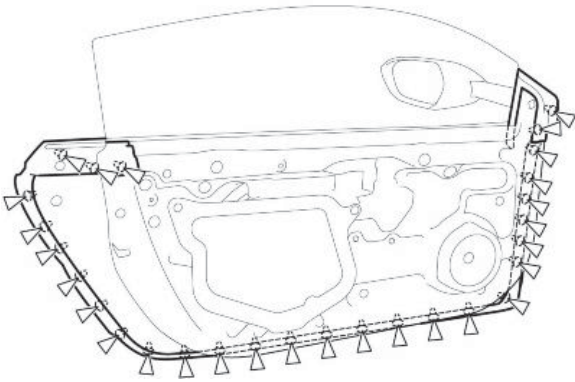
After adjusting the glass, torque the window regulator bolts as shown.



9. Remove the power mirror.



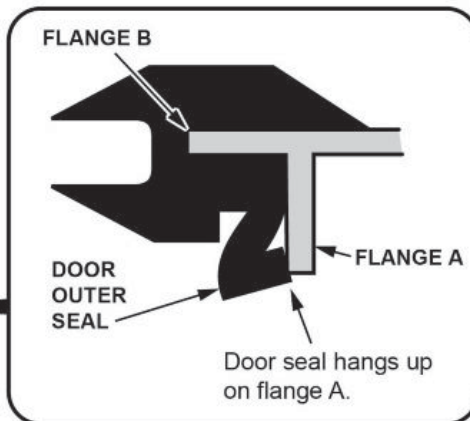
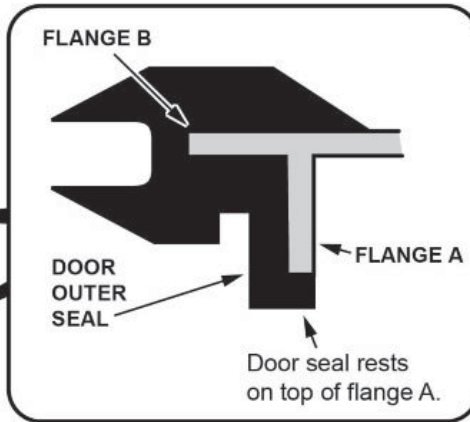
10. Remove and replace the door outer seal. Refer to the service information.



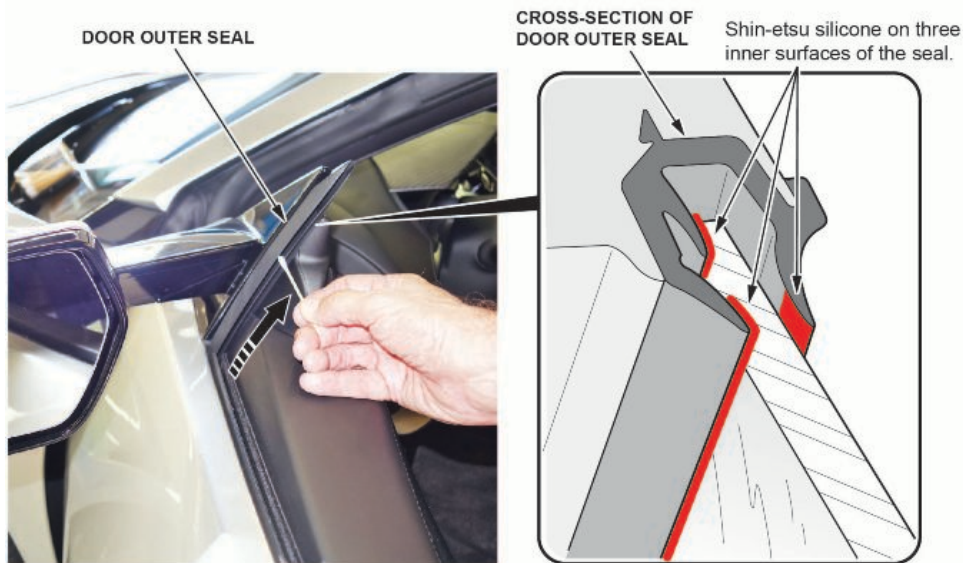
When installing the door outer seal, press the seal against the edge of flange B. Make sure the lip of the door outer seal rests on the top edge of flange A. Do not stretch the opening of the outer door seal greater than 10 mm. This will cause permanent damage to the seal and result in a wind noise.

NOTE

After installing the door outer seal, take a straight edge and make sure the upper edge of the seal is flat. The top corner will have a small gap; this is normal.



11. After installing a new door outer seal, be sure to apply Shin-Etsu silicone grease to the window seal. Clean off any excess grease.



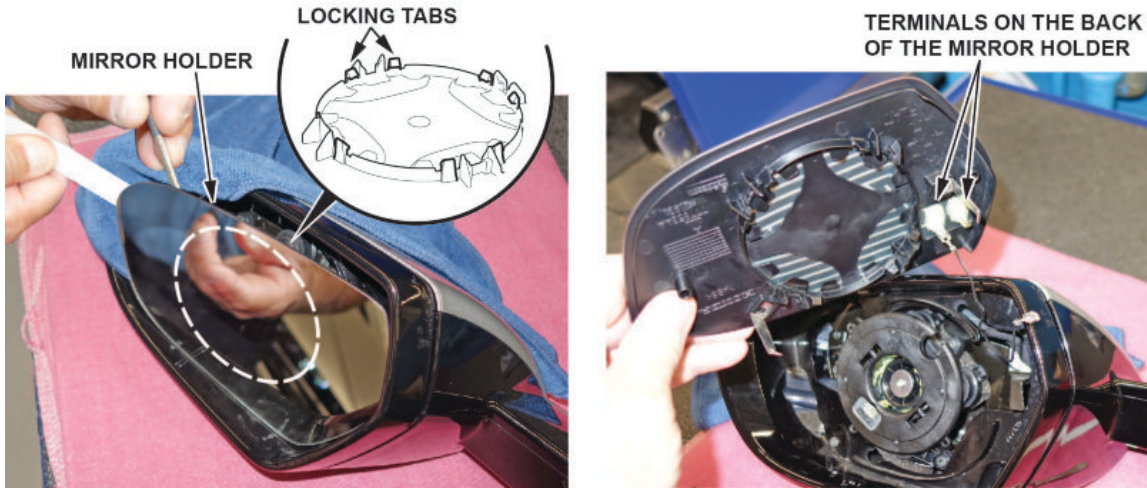
12. Verify the new mirror assembly has the EPDM seal installed on the mirror base as shown. If the seal is missing, do not install this mirror. Return the mirror assembly to American Honda and order a new one.



13. Transfer the painted panels from the original mirror assembly to the new one. Carefully push on the bottom edge of the mirror holder. Then, press on the right edge to create an opening on the upper-left-hand corner between the mirror holder and the mirror housing. Using the plastic trim tool, disengage the locking tabs. Separate the mirror holder, and disconnect the mirror heater terminals.

NOTE

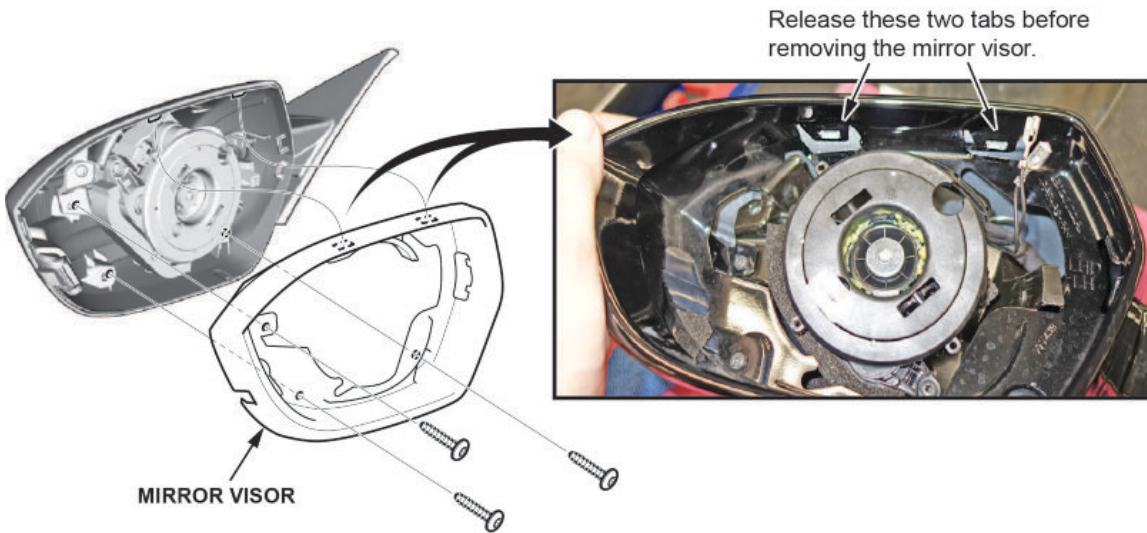
Rest the mirror on a soft material to prevent scratching the mirror's painted surfaces.



14. Remove the three screws. Then, use a plastic trim tool to disengage the two tabs shown below, and remove the mirror visor.

NOTE

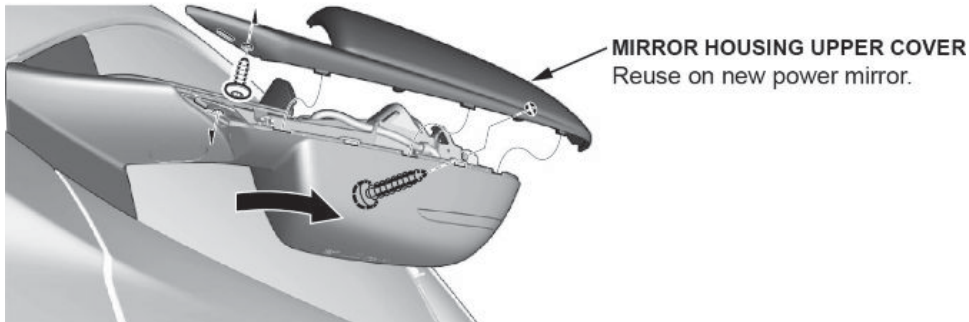
Take care not to damage or break the tabs.



15. Remove the mirror housing upper cover from the original power mirror, and install it on the new power mirror. Make sure all of the tabs are properly engaged with the mirror assembly and the housing upper cover does not pinch the rubber slit seal. Do not overtighten the screws.

NOTE

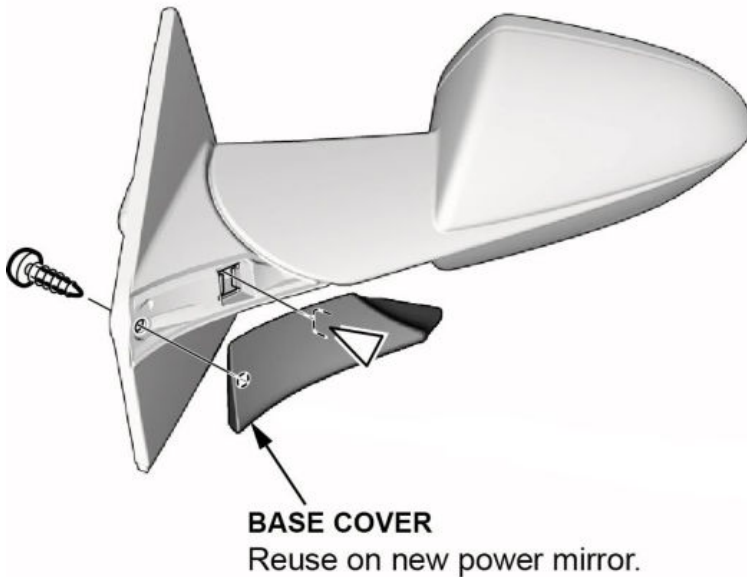
Take care not to damage or break the tabs or scratch the painted surface.



16. Remove the screw, then pull the base cover straight out in the direction of the arrow shown below. This will disengage the spring clips so the base cover can be removed. Then, install it on the new power mirror, making sure not to overtighten the screw.

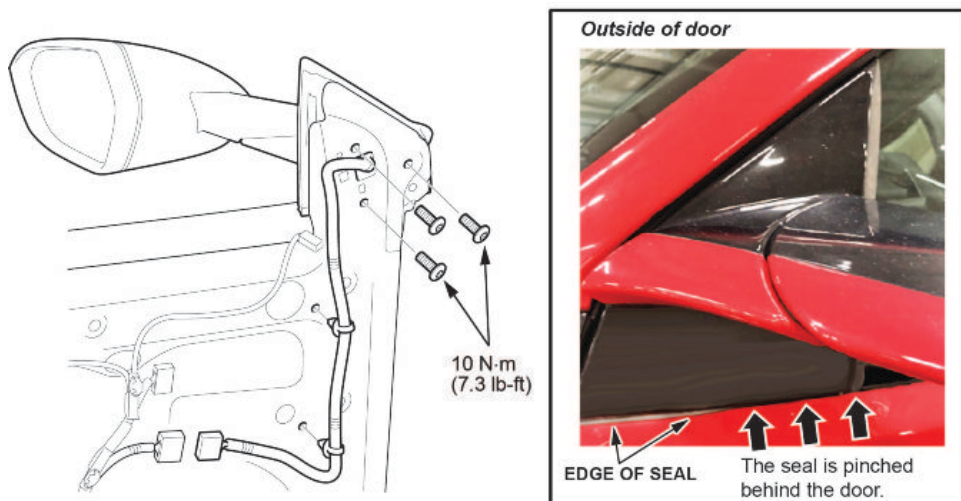
NOTE

Take care not to damage or break the clips or scratch the painted surface.



17. Install the visor to the new power mirror.
18. Install the mirror holder to the power mirror.

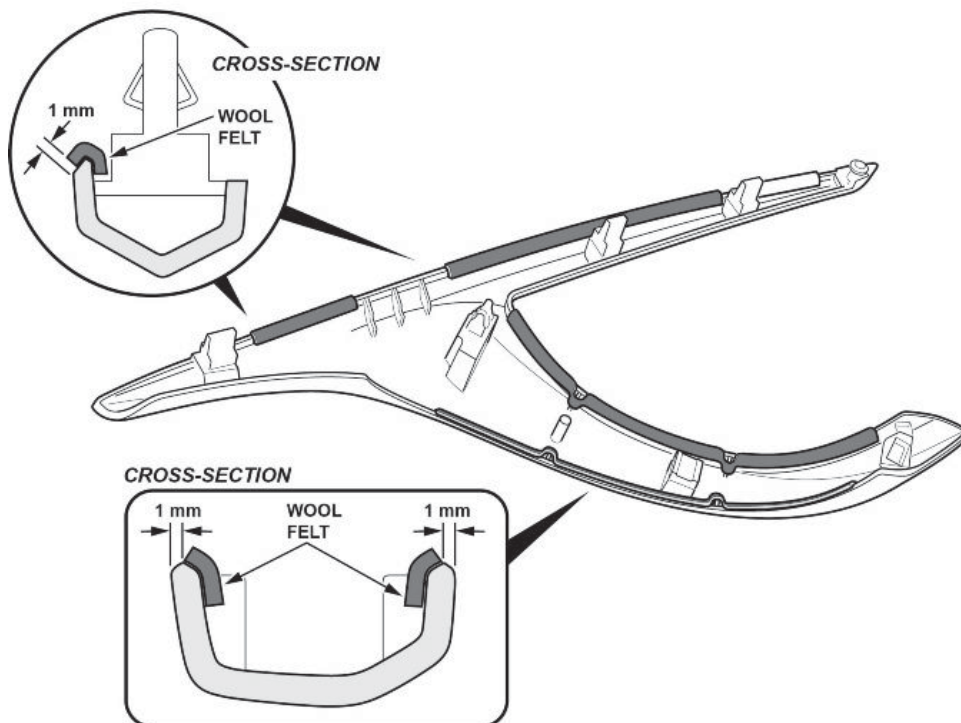
19. Install the new power mirror, and torque the bolts to **10 N•m (7.3 lb-ft)**. Make sure there are no gaps in the base of the power mirror seal and the power mirror seal is not pinched behind the door.



20. Install the door panel in the reverse order of removal.

NOTE

Before installing the door grip cover, make sure the wool felt on the back of the cover is attached evenly and has not been damaged during removal. The felt should be positioned **1 mm** as shown. If it is not applied evenly, or it is damaged or missing, noise could result. Remove any uneven, damaged, or missing felt, and apply new felt as needed.



21. Test-drive vehicle, and make sure the wind noise is gone. If you still hear wind noise, go back to INSPECTION PROCEDURE and determine where the noise is coming from.

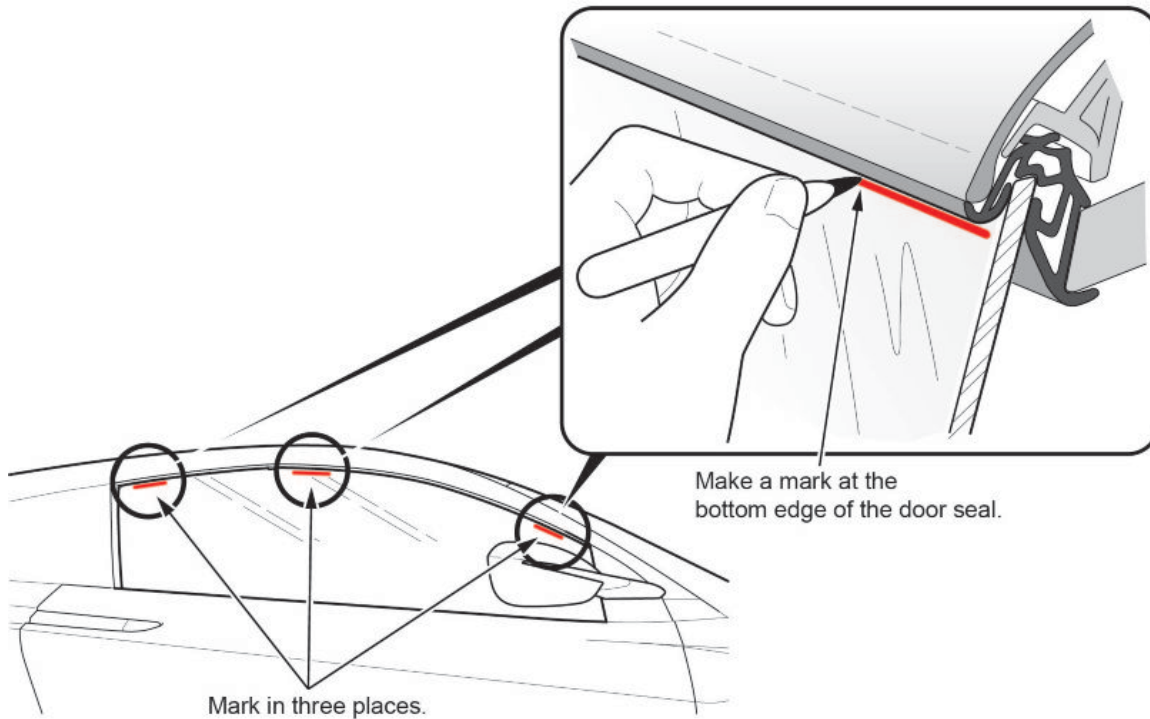
REPAIR PROCEDURE B (INNER DOOR SEAL)

Before replacing any parts, make sure to follow every step, check all door glass position measurements, and make adjustments so the door glass is within the tolerance range. Every measurement must be checked before continuing. In addition to the information below, you can refer to the service information for door glass position / tilt adjustment, measurement, and tolerance range.

NOTE

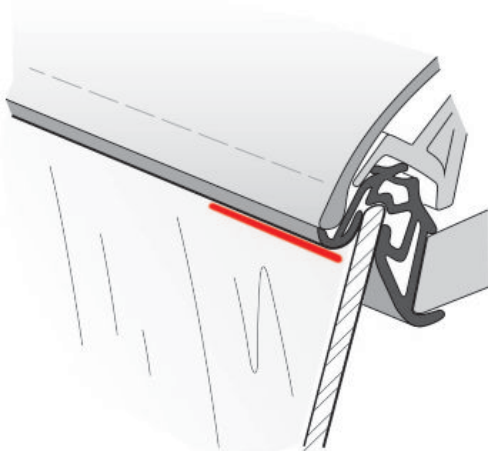
In some cases, based on the results of your inspections, you may be directed to do REPAIR PROCEDURE A and B on the same side of the vehicle, however, in these cases, the window adjustment only needs to be done one time.

1. With the window fully closed, use a dry erase marker to mark the window as shown. Be sure to mark the glass where the edge of the seal ends.

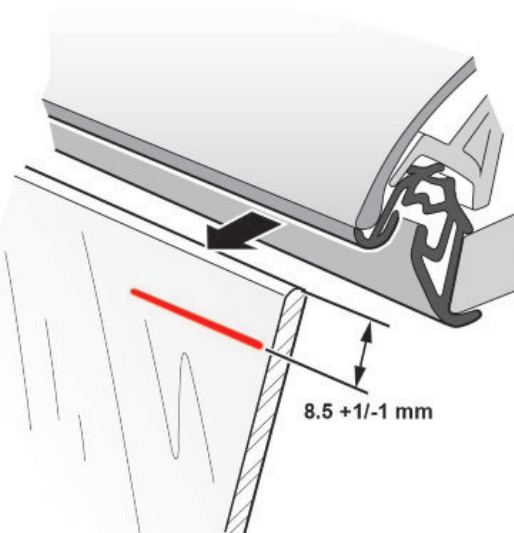


Open the door, and let the window index down. Measure the distance from the mark to the very top edge of the window glass. Check that this measurement is within **8.5 +1 / -1 mm**.

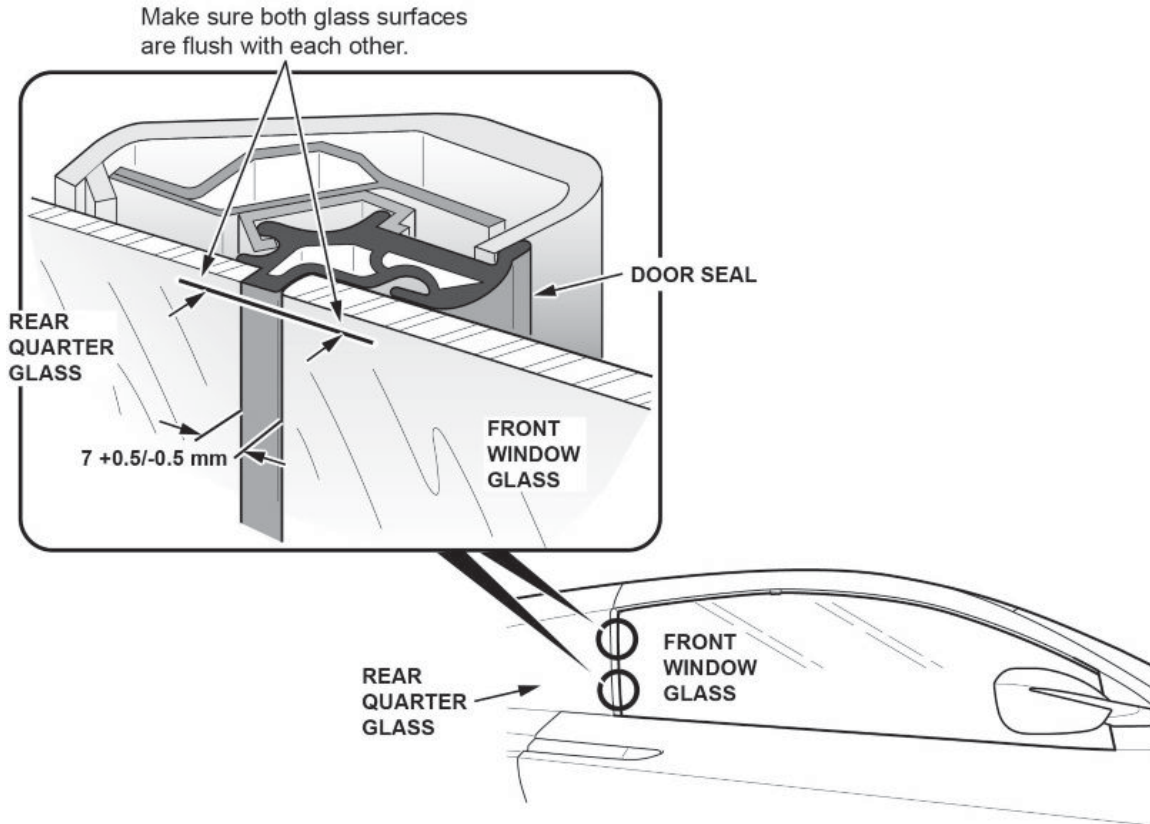
DOOR CLOSED



DOOR OPEN

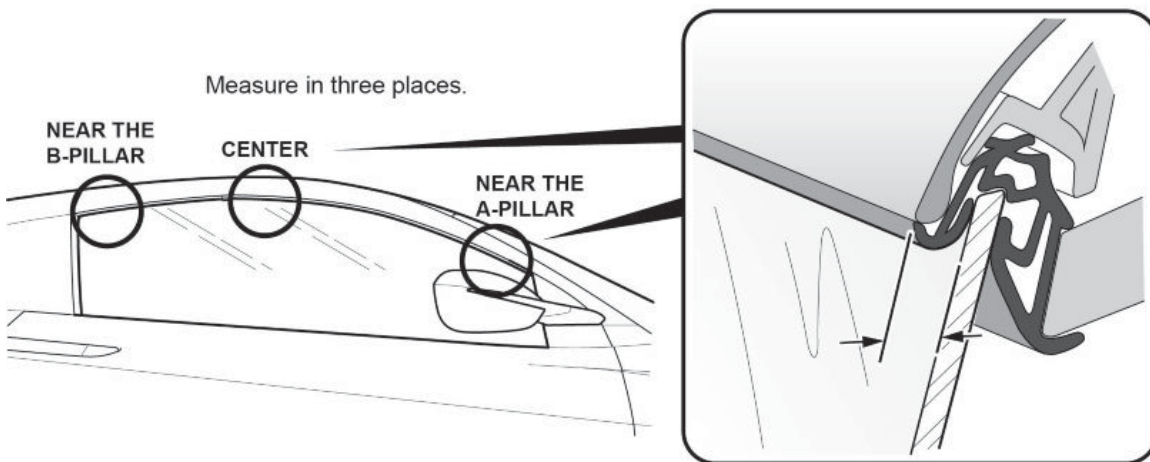


- With the door closed, measure the distance between the front window glass and the rear quarter glass. Check that this measurement is within $7 +0.5 / -0.5$ mm.



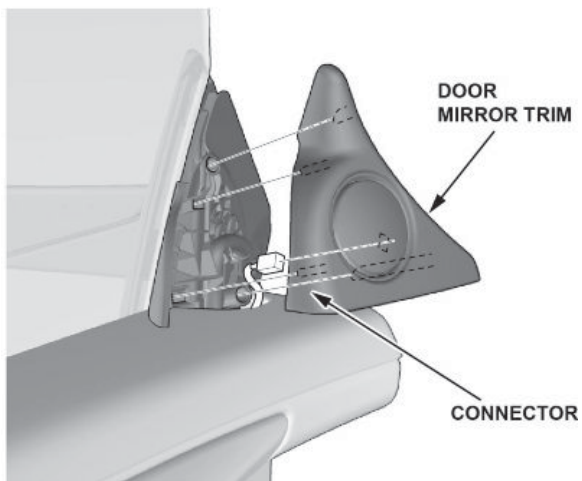
- Measure from the surface of the glass to the edge of the roofline. Check that these measurement are within ranges shown below.

Measuring Point	Acceptable Limit
Near the A-Pillar	10.5 - 12 mm
Center	11.3 - 12.8 mm
Near the B-Pillar	18.4 - 19.9 mm

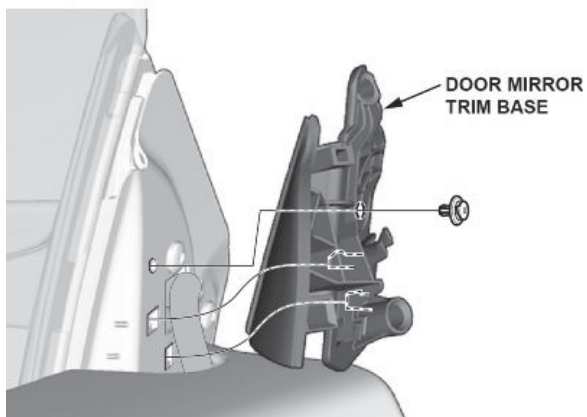


- If adjustment is needed continue to step 4.
- If no adjustment is needed continue to step 11.

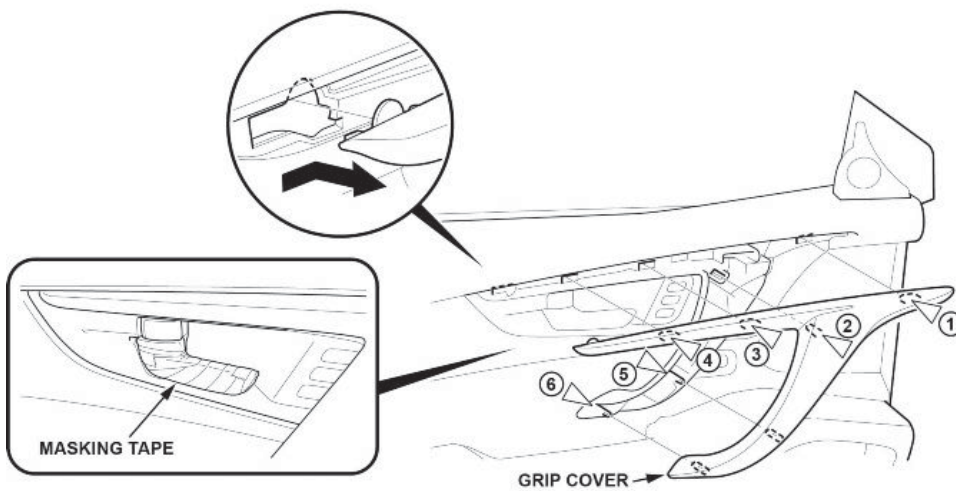
4. Remove the door mirror trim.



5. Remove the door mirror trim base.



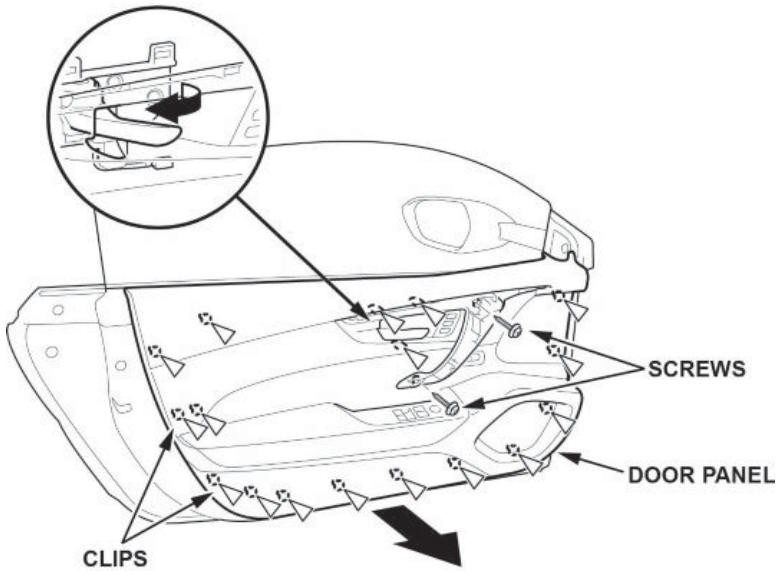
6. Remove the grip cover, apply masking tape around the inner door handle to protect it from scratches.



7. Remove the door panel.

NOTE

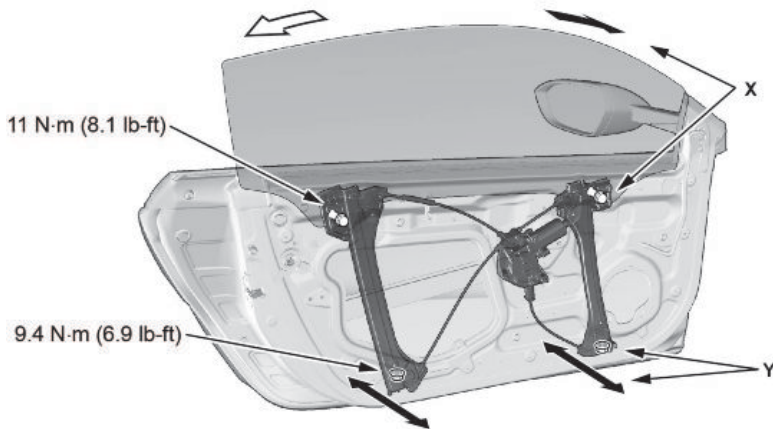
Door panel clips must be replaced after removal.



8. Loosen the window regulator bolts, and adjust the window glass to be within the tolerance range indicated. In addition to the information shown here, you can also refer to the service information for door glass position / tilt adjustment, measurement, and tolerance range.

NOTE

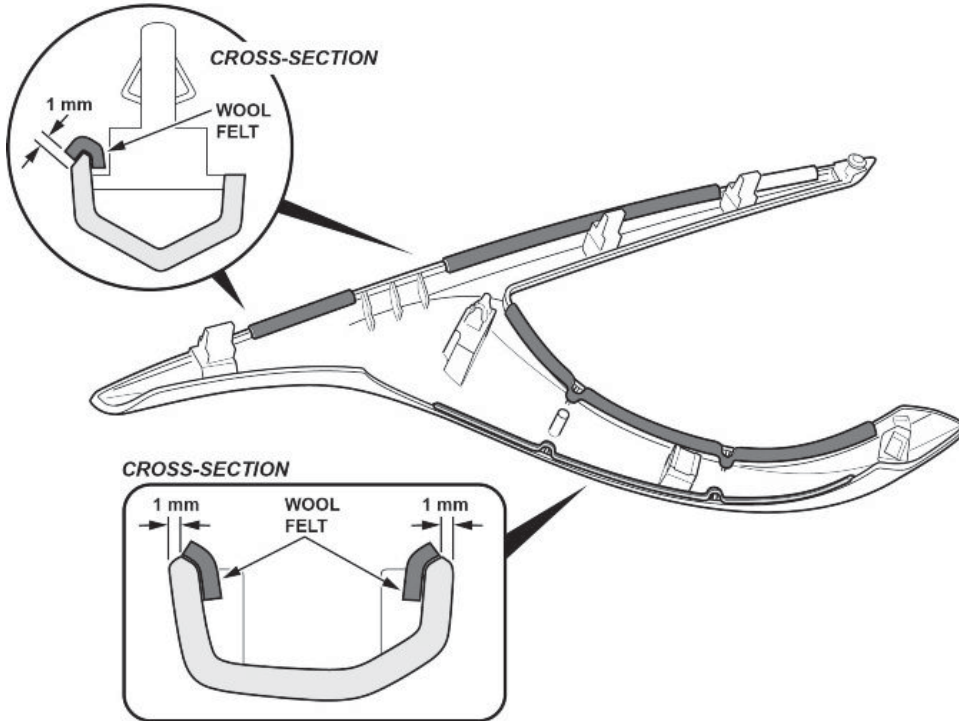
After adjusting the glass, torque the window regulator bolts as shown.



9. Install the door panel in the reverse order of removal.

NOTE

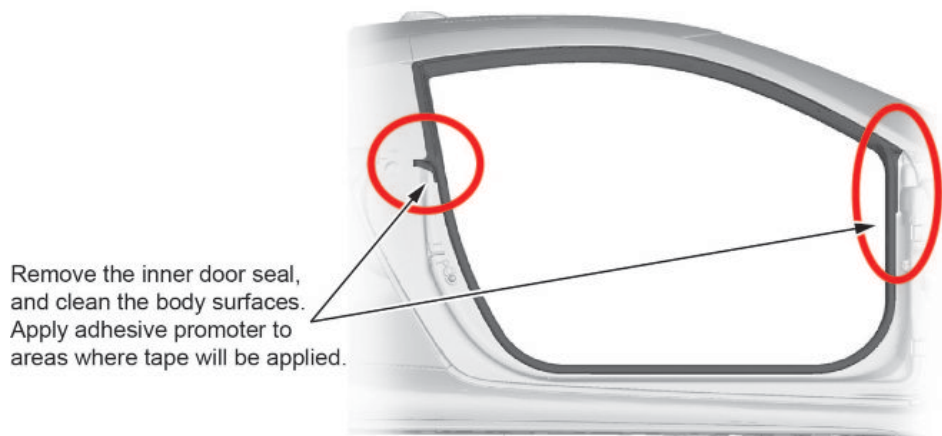
Before installing the door grip cover, make sure the wool felt on the back of the cover is attached evenly and has not been damaged during removal. The felt should be positioned **1 mm** as shown. If it is not applied evenly, or it is damaged or missing, noise could result. Remove any uneven, damaged, or missing felt, and apply new felt as needed.



10. Test-drive the vehicle again, and verify. Vehicles where the noise was decreased from taping the top and back edge of the door glass can be repaired with just the door glass adjustment.

- If the wind noise is gone, no parts need to be replaced.
- If the wind noise is still heard, continue to step 11.

11. Remove the inner door seal, and remove any remaining adhesive tape or residue from the body. Apply an adhesive promoter (commercially available) to the body where inner seal will mate.



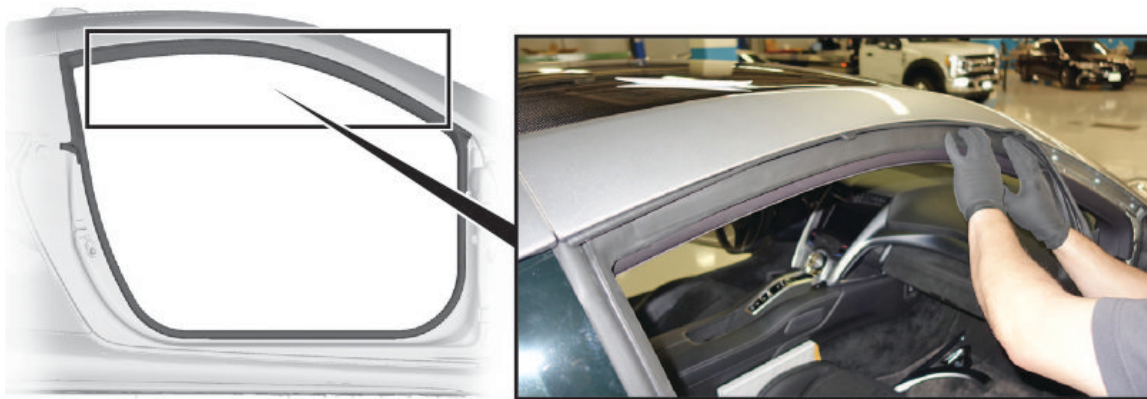
12. Start at the B-pillar upper corner area of the door opening.

NOTE

Make sure you properly seat this corner of the seal; otherwise, a gap will form between the seal and the rear quarter glass and possibly cause wind noise.



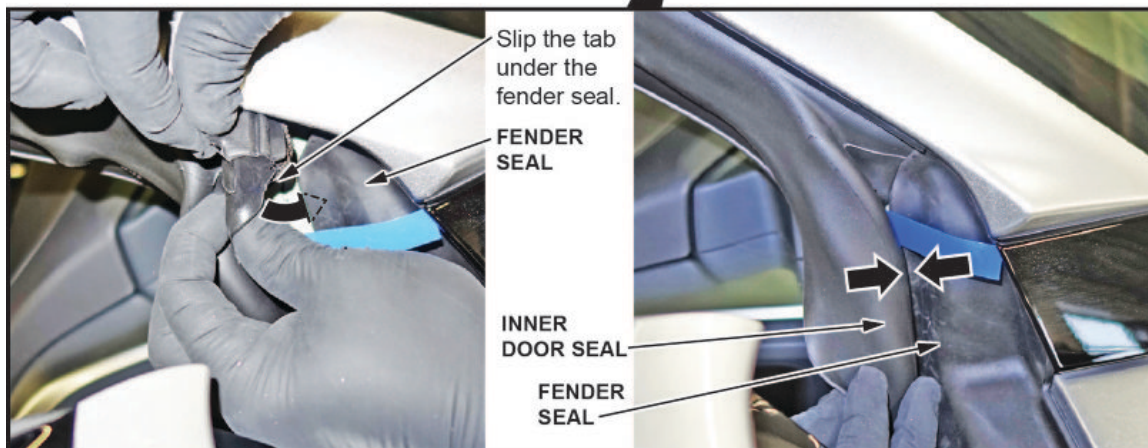
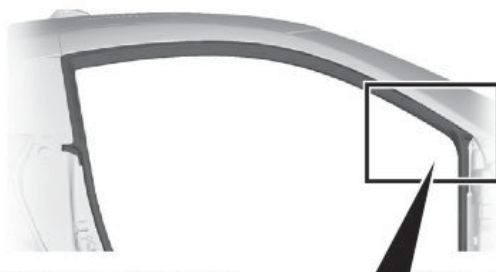
13. Temporarily set the upper section of the inner door seal to the roof retainer.



Position the inner door seal so it evenly fits into the A-Pillar curved area. Then, fully set the inner door seal to the roof retainer. When it is properly set, you will feel the seal lock into place.

NOTE

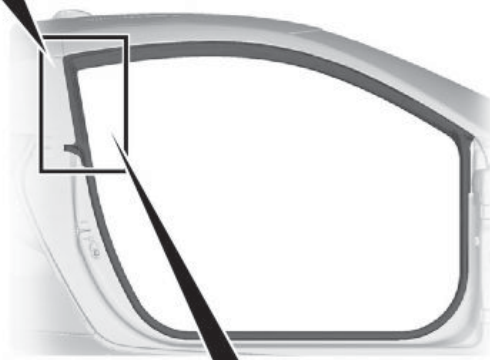
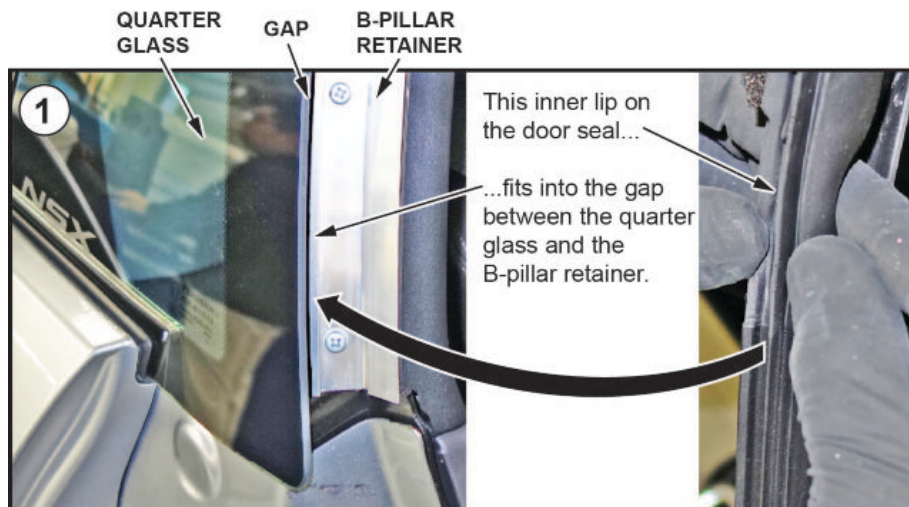
Make sure the inner door seal rests up against the fender seal. A poor seal in this location may result in a water leak.



14. Position the inner door seal to the front lower corner area of the quarter glass. Make sure the inner door seal tightly wraps around the lower corner of the quarter glass. Pull the adhesive backing on the inner door seal, and attach the adhesive tape to the body.

NOTE

Make sure the inner lip of the seal is properly installed in the gap between the quarter glass and the B-Pillar retainer. A plastic stick may help set this seal lip.

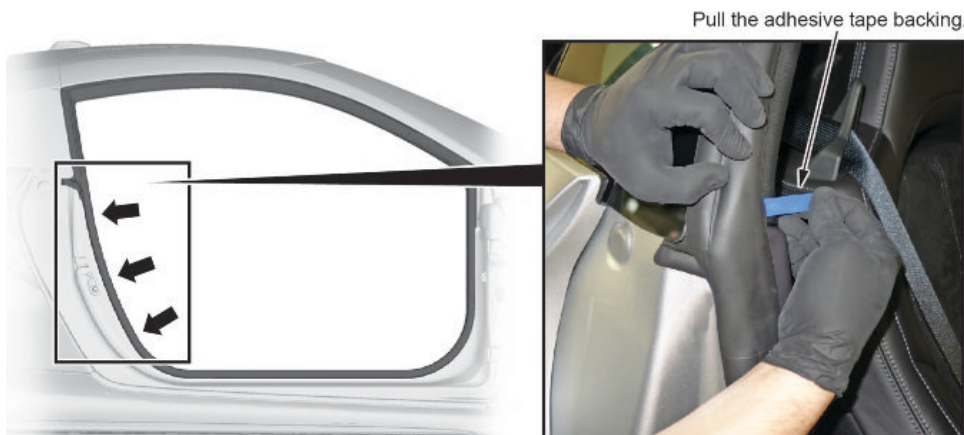


Ensure the door seal lip fits into the gap using a plastic stick.

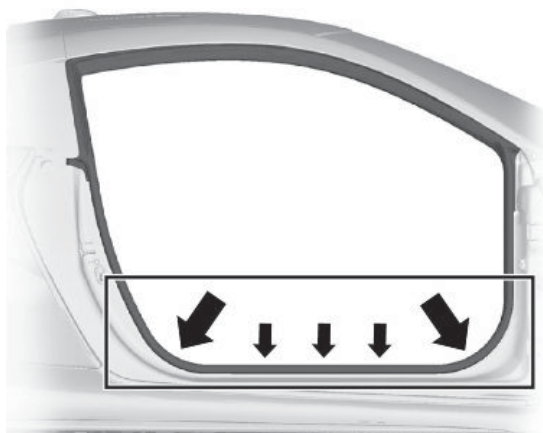


Pull the adhesive tape backing.

15. Temporarily set this lower section of the inner door seal to the flange near the adhesive tape. While holding the inner door seal in place to the flange, pull the adhesive backing on the inner door seal and attach the adhesive tape to the body.



16. Set the lower area of the door opening seal to the flange, focusing on getting the inner door seal to the corners. Pull the adhesive backing, and firmly press the adhesive tape to the body with a roller (MHLE54D or equivalent).



17. Test-drive vehicle and make sure the wind noise is gone. If you still hear wind noise, go back to INSPECTION PROCEDURE and determine where the noise is coming from.

END