

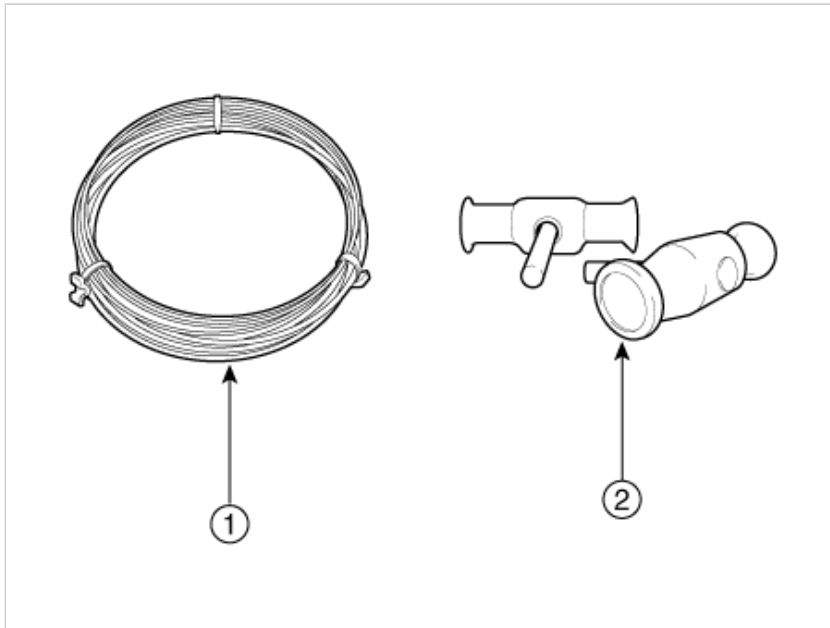


Removal

i Information

- To remove the wide sunroof assembly, use the tools shown in the following figure:

[Tools Composition]

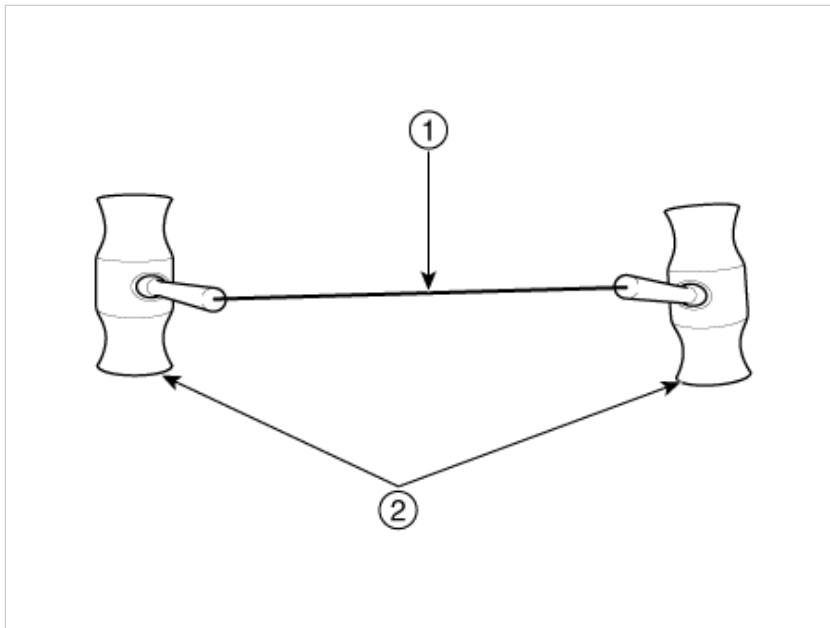


① Square wire

② Insert-type wire grip

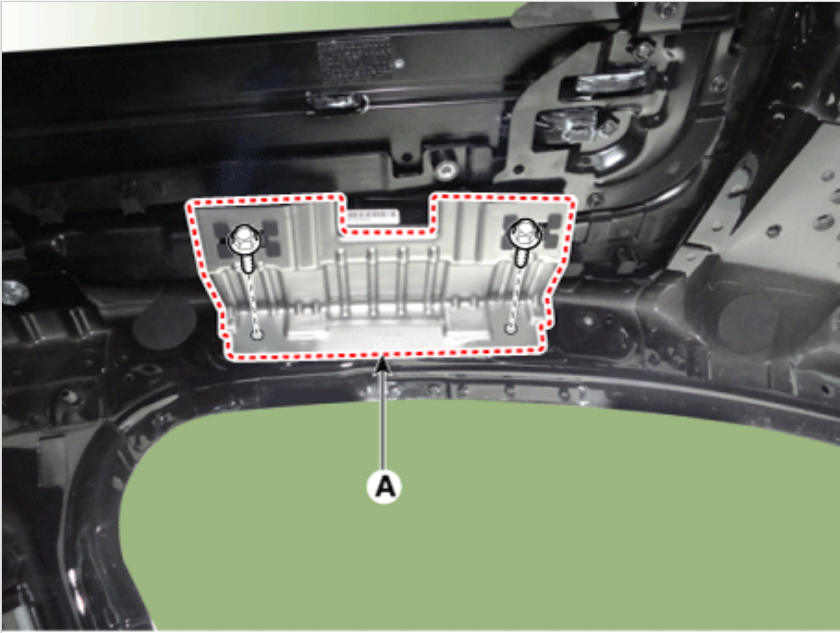
[Tool Assembly]

- Insert and affix square wire ① into the insert hole of the wire grip ②.

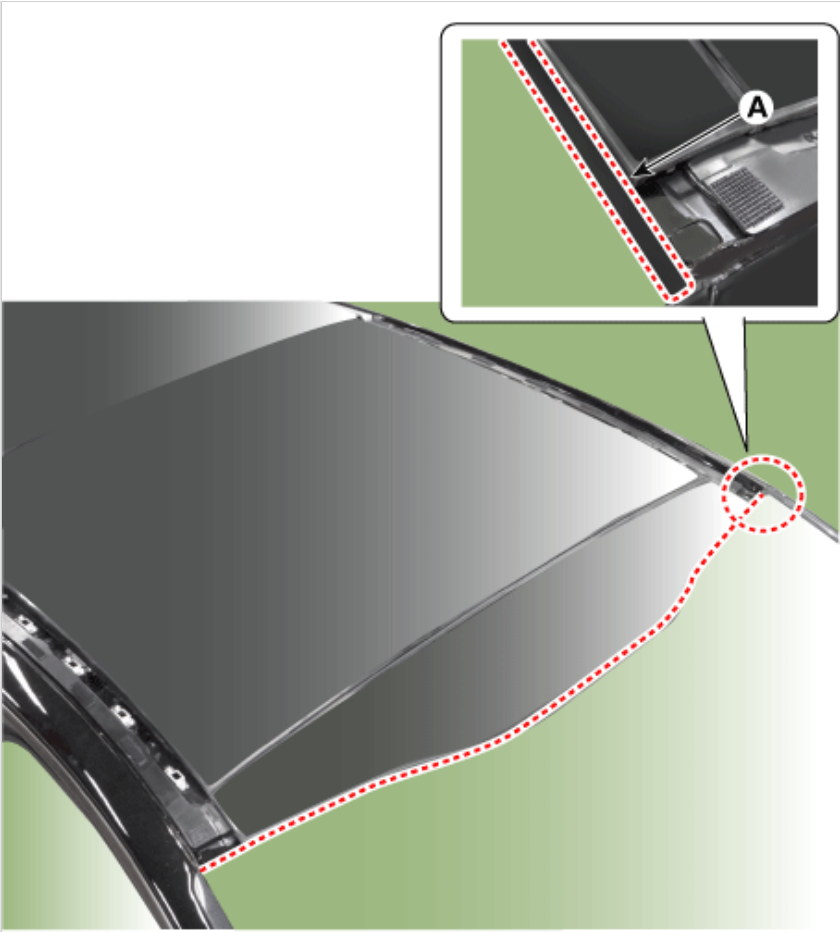


1. Remove the moving glass.
(Refer to Wide Sunroof - "Moving Glass")
2. Remove the roof side molding.
(Refer to Body Side Molding - "Roof Side Molding")
3. Remove the roof trim.
(Refer to Roof Trim - "Roof Trim Assembly")
4. Remove the curtain airbag (CAB) module.
(Refer to Restraint - "Curtain Airbag (CAB) Module")

5. Remove the assist handle bracket (A) after loosening the mounting bolts.



6. Fix the windshield glass upper molding (A) as below figure.



7. Pull the square wire (A) to the left and right, then apply a force in the direction of the arrow to cut off the residual sealant.

i Information

Longer wires require more power, so divide Sections ① and ② in half to cut off residual sealant.

⚠ CAUTION

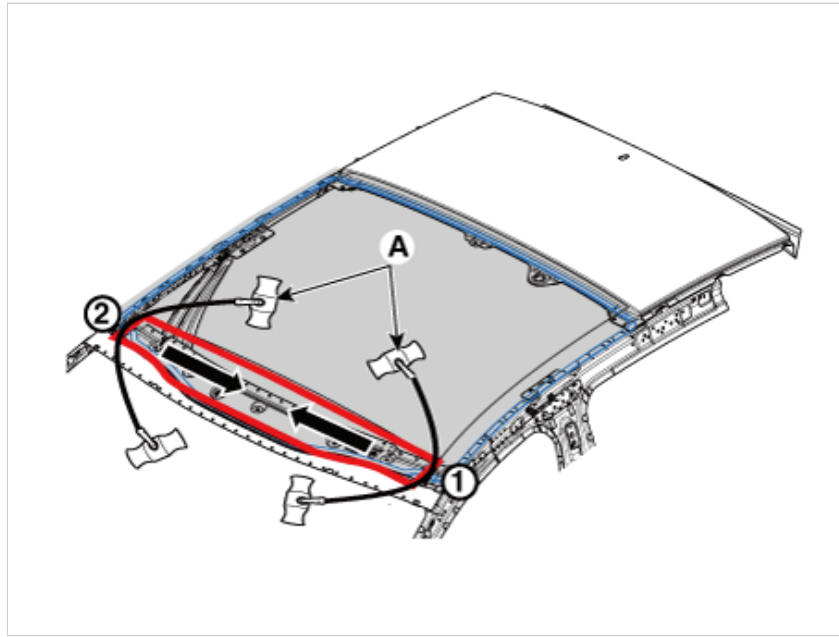
- Put on gloves to protect your hands from potential injury.
-

Be careful not to burn hands due to the heat generated from wire in use.

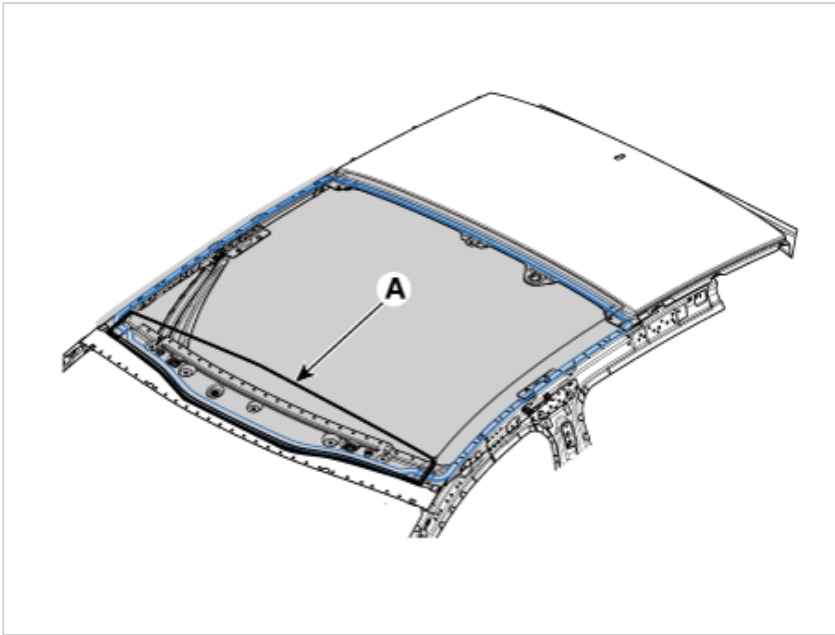
- Be careful not to cut fingers when working with wires.

NOTICE

Be careful not to damage the body.



8. Remove the front glass (A) carefully without damaging it.



9. Loosen the wide sunroof mounting nuts (A).

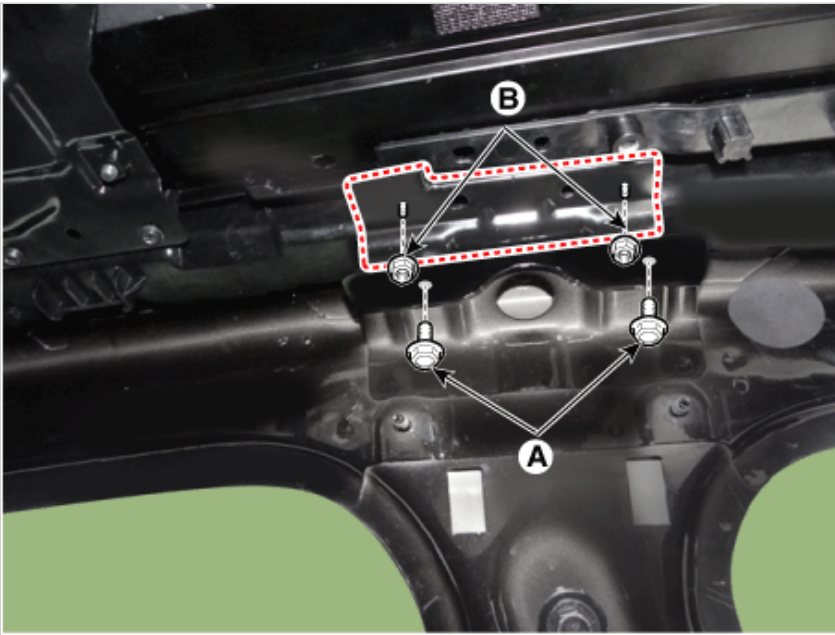
[Front]



[Rear]



10. Loosen the bolts (A) and nuts (B) on the side of the wide sunroof.



11. Pull the square wire (A) to the left and right, then apply a force in the direction of the arrow to cut off the residual sealant on front edge (B).

CAUTION

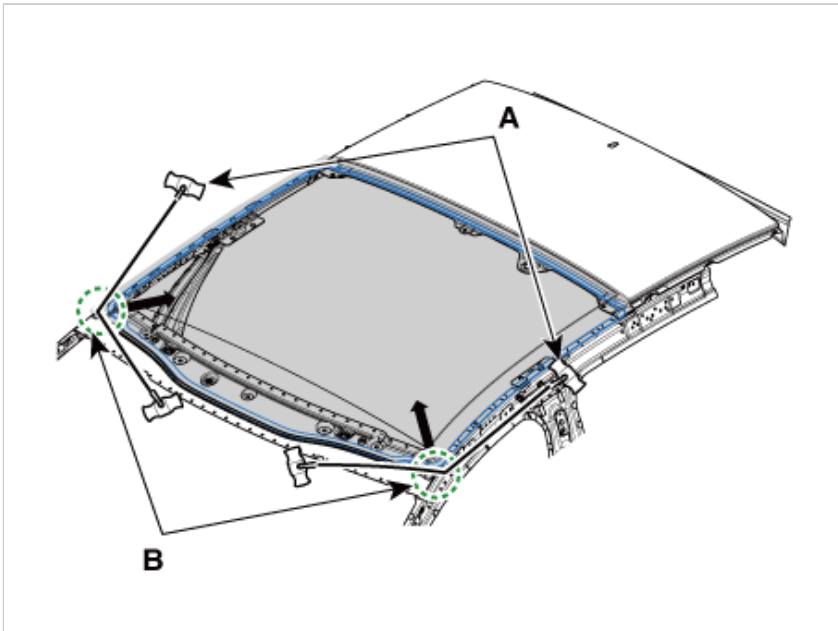
- Put on gloves to protect your hands from potential injury.
- Be careful not to burn hands due to the heat generated from wire in use.
- Be careful not to cut fingers when working with wires.

NOTICE

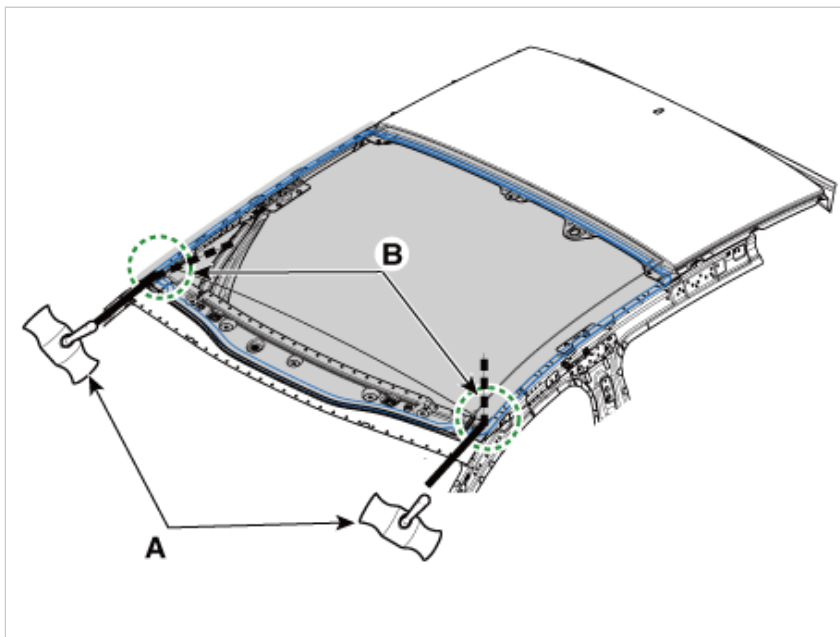
Be careful not to damage the body.

Information

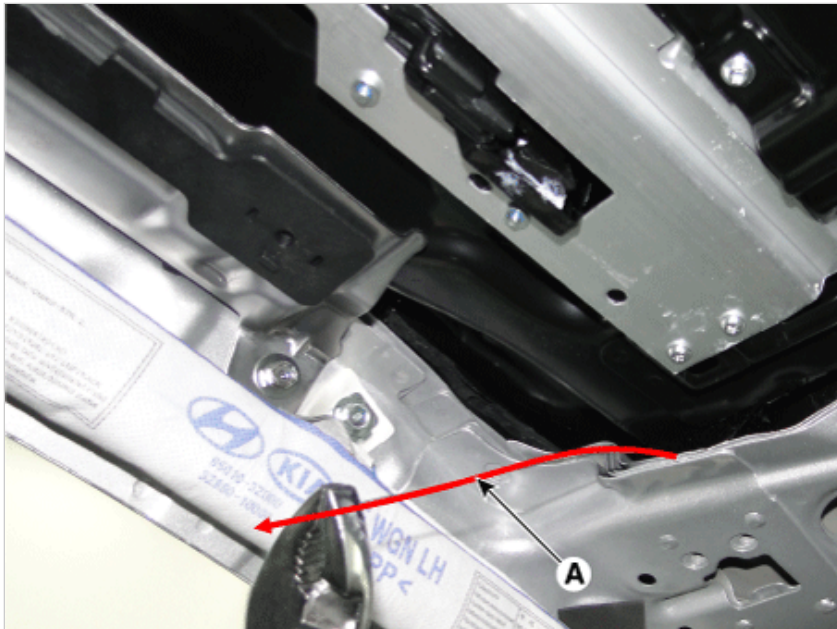
When working on wires, work in a group of two or more.



12. Push wire (A) from the outside of the body toward the face of edge (B) in the direction of the arrow.



13. Pull the wire lead (A) inward when it is visible inside the body.



14. Pull the square wire (B) to the left and right, then apply a force in the direction of the arrow to cut off the residual sealant on front section (A-A).

- B(1): Work inside car
- B(2): Work outside car

CAUTION

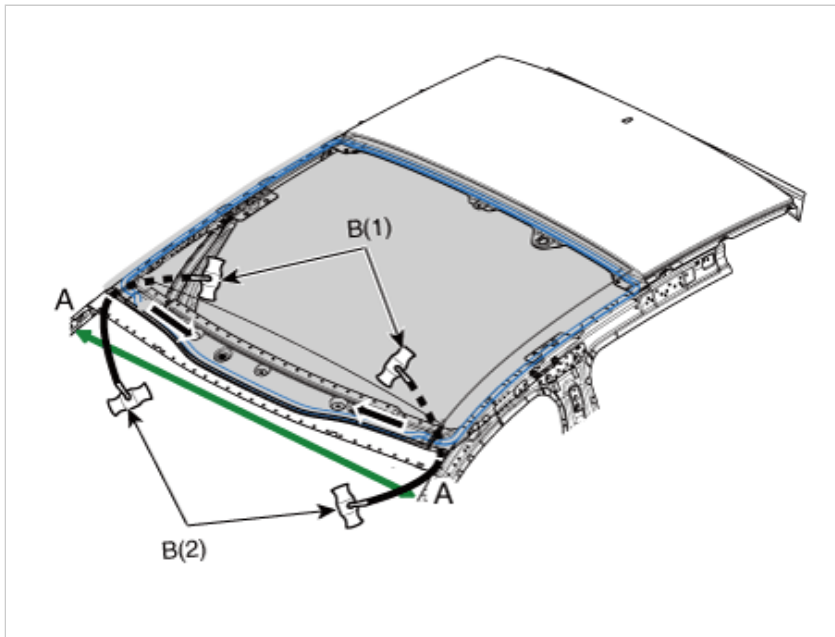
- Put on gloves to protect your hands from potential injury.
- Be careful not to burn hands due to the heat generated from wire in use.
- Be careful not to cut fingers when working with wires.

NOTICE

Be careful not to damage the body.

Information

When working on wires, work in a group of two or more.

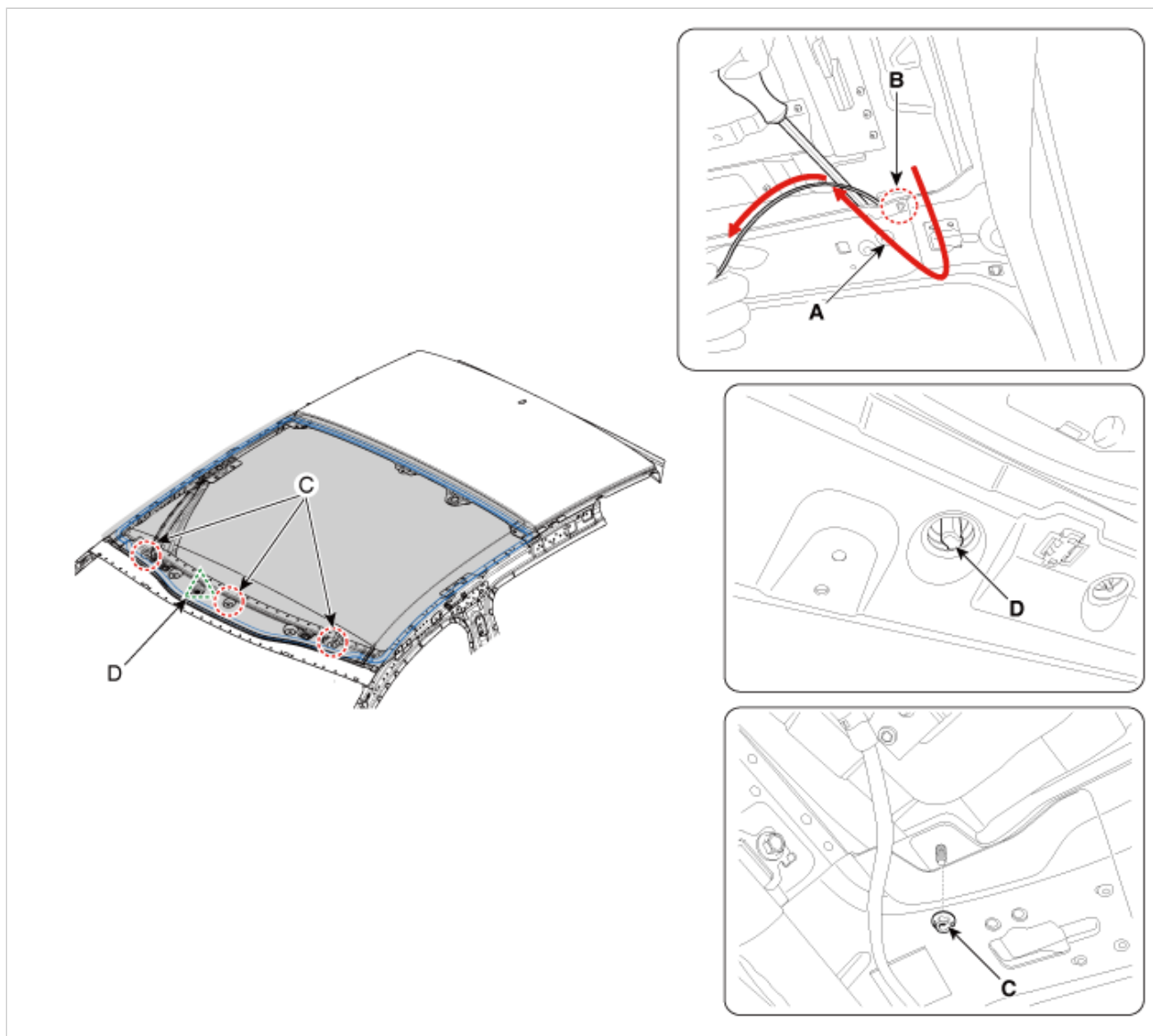


i Information

- When using wires to remove the residual sealant, there may be an interference between the nut hole and device hole. Thus, perform sealant removal work as shown in the following figure:
 - ① Use a scraper or flathead driver to lift up a region between the body and wide sunroof.
 - ② Turn and pull out wire (A) between the nut hole and device hole (B) in the direction of the arrow. Next, cut off the residual sealant again.

NOTICE

- Be careful not to damage the nut hole (C).
- Be careful not to damage the device hole (D).



15. Pull the square wire (B) to the left and right, then apply a force in the direction of the arrow to cut off the residual sealant on side section (A-A).

- B(1): Work inside car
- B(2): Work outside car

CAUTION

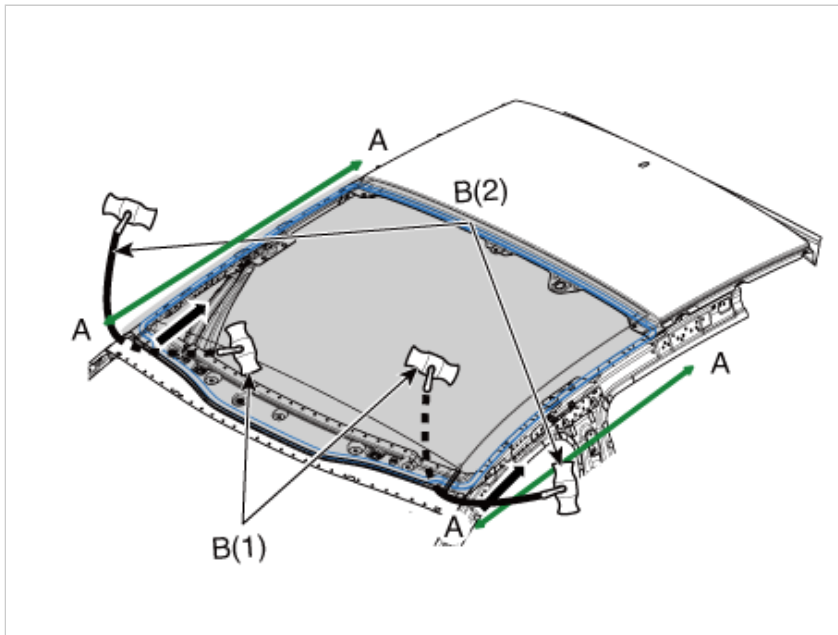
- Put on gloves to protect your hands from potential injury.
- Be careful not to burn hands due to the heat generated from wire in use.
- Be careful not to cut fingers when working with wires.

NOTICE

Be careful not to damage the body.

Information

When working on wires, work in a group of two or more.



16. Pull the square wire (B) to the left and right, then apply a force in the direction of the arrow to cut off the residual sealant on rear section (A-A).

- B(1): Work inside car
- B(2): Work outside car

CAUTION

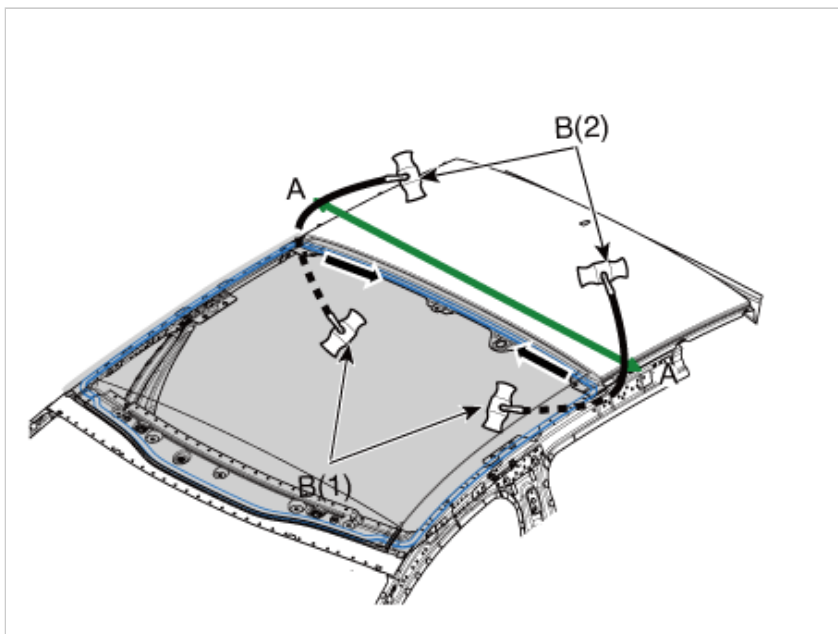
- Put on gloves to protect your hands from potential injury.
- Be careful not to burn hands due to the heat generated from wire in use.
- Be careful not to cut fingers when working with wires.

NOTICE

Be careful not to damage the body.

Information

When working on wires, work in a group of two or more.



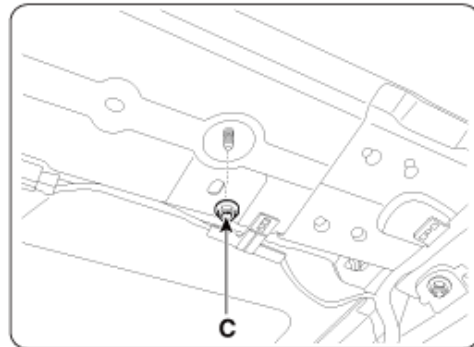
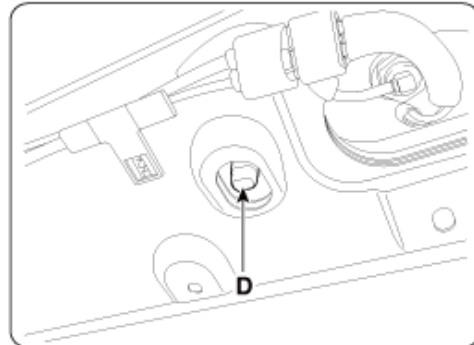
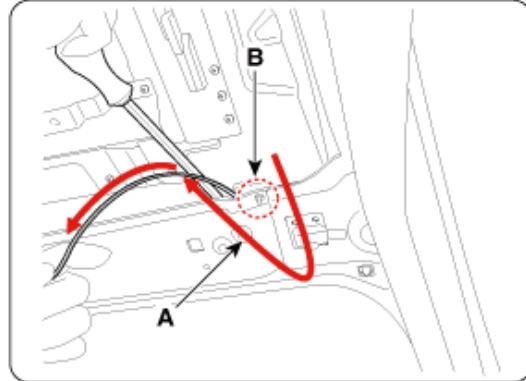
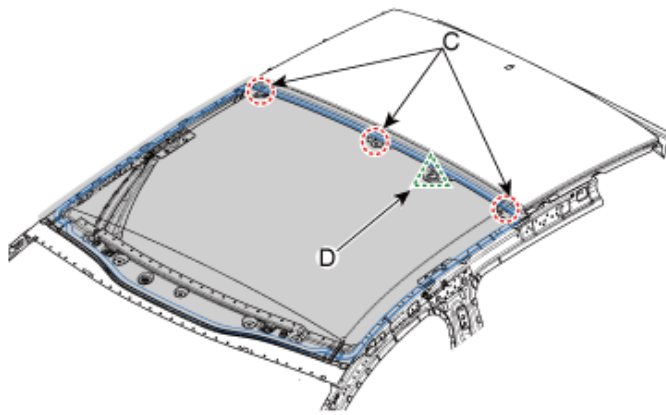
Information

- When using wires to remove the residual sealant, there may be an interference between the nut hole and device hole. Thus, perform sealant removal work as shown in the following figure:

- ① Use a scraper or flathead driver to lift up a region between the body and wide sunroof.
- ② Turn and pull out wire (A) between the nut hole and device hole (B) in the direction of the arrow. Next, cut off the residual sealant again.

NOTICE

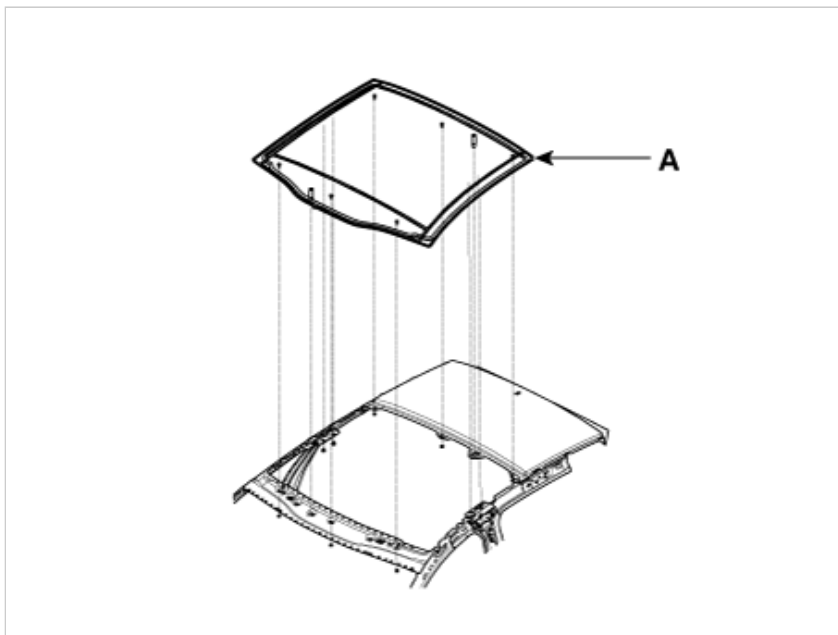
- Be careful not to damage the nut hole (C).
- Be careful not to damage the device hole (D).



17. Cut residual sealant on every surface, and then remove wide sunroof assembly (A).

NOTICE

Be careful not to damage the wide sunroof assembly when removing it.

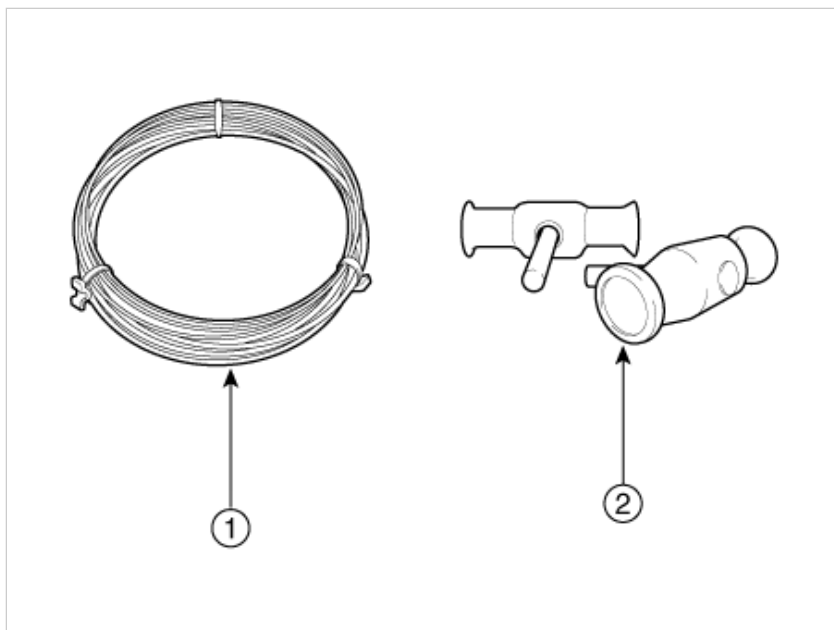


Installation

i Information

- To remove the wide sunroof assembly, use the tools shown in the following figure:

[Tools Composition]

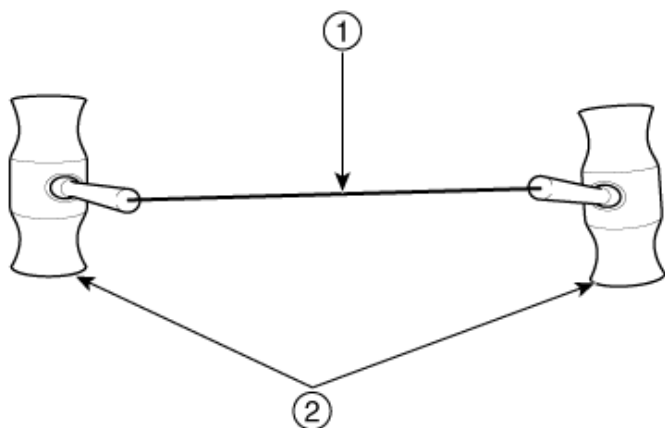


① Square wire

② Insert-type wire grip

[Tool Assembly]

- Insert and affix square wire ① into the insert hole of the wire grip ②.



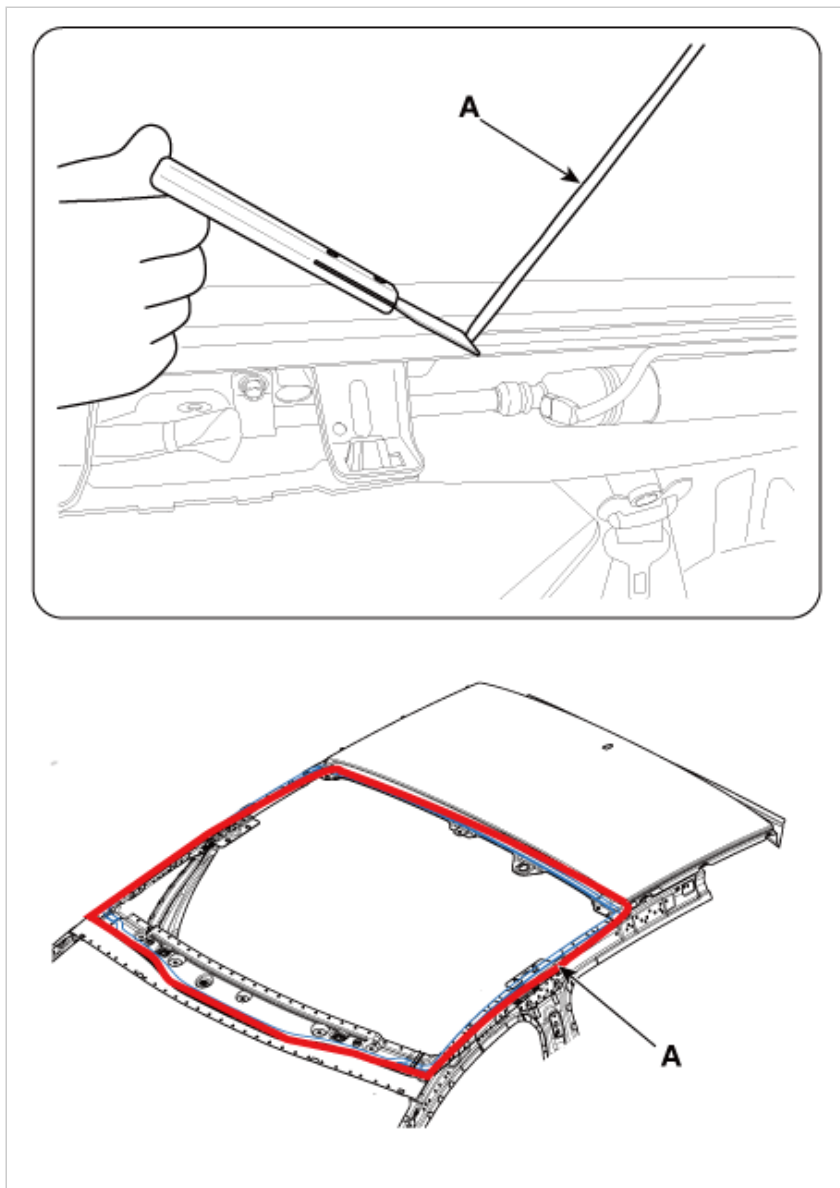
1. Use a blade to cut off residual sealant (A) around body panel.

i Information

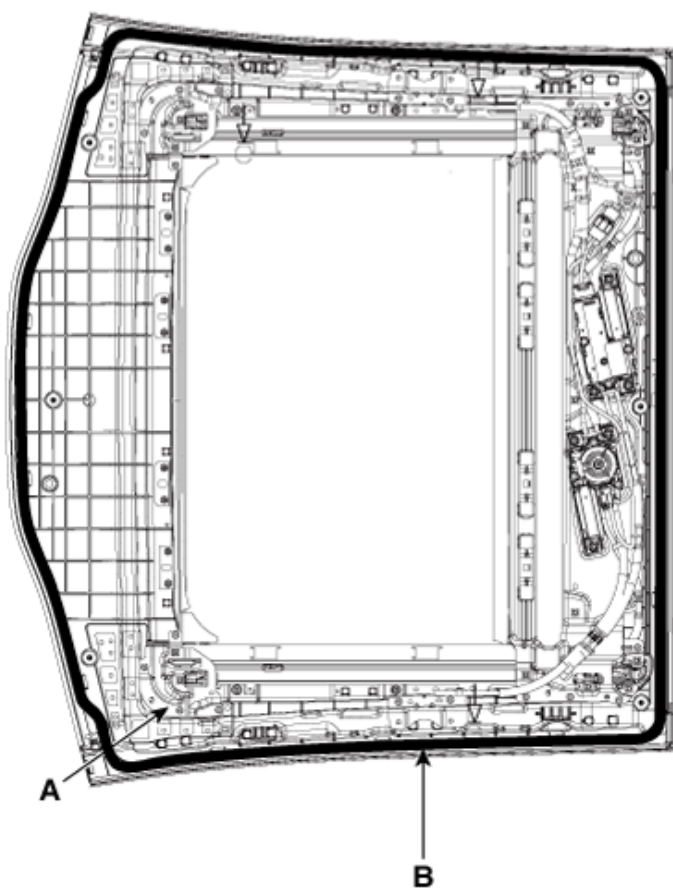
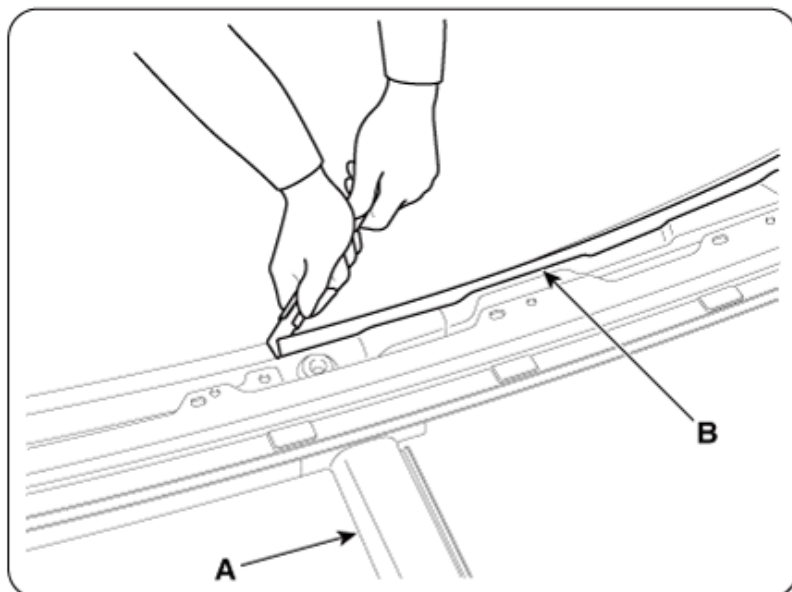
When cutting off the residual sealant around the body panel, make sure to leave about 2 mm in thickness from the adhesive surface.

NOTICE

- Make sure that the body paint surface is not damaged at all.
- If it is damaged, apply paint or rust inhibitor for maintenance.



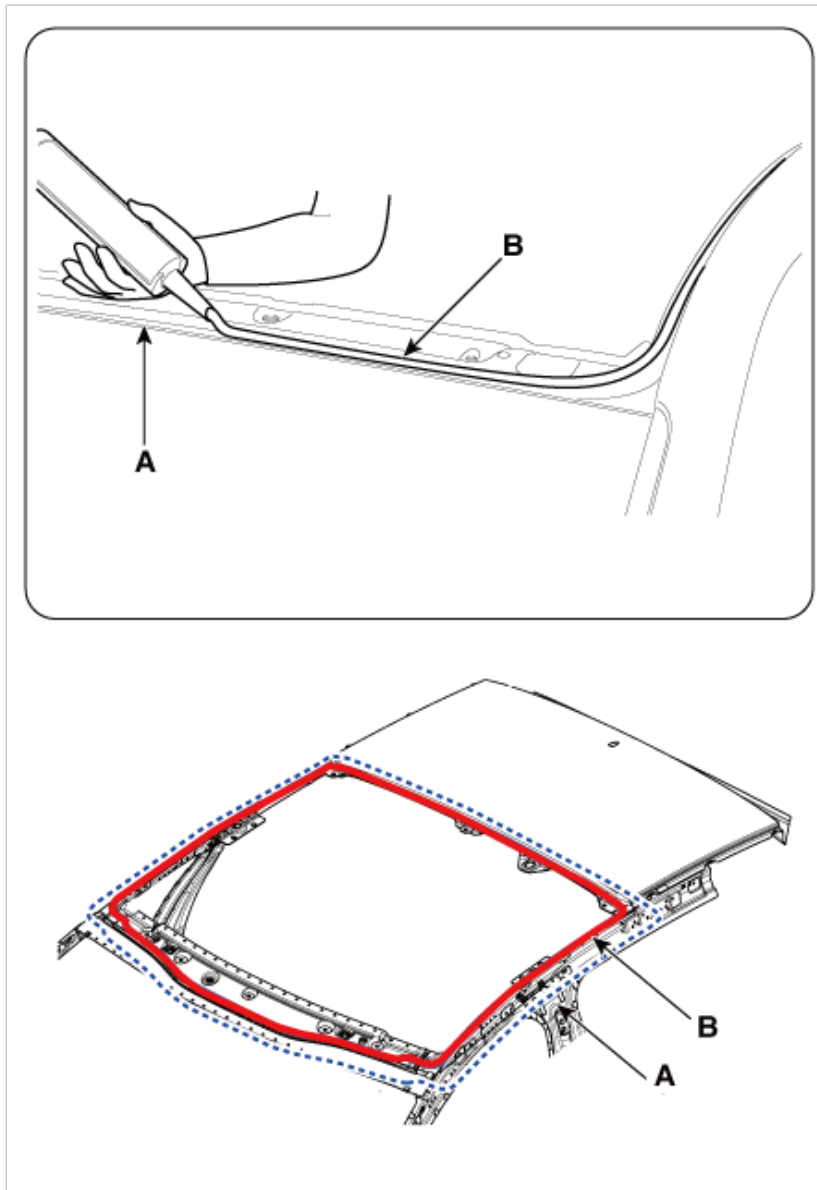
2. If wide sunroof assembly (A) is reused, use a blade to remove residual sealant (B) around the body panel.



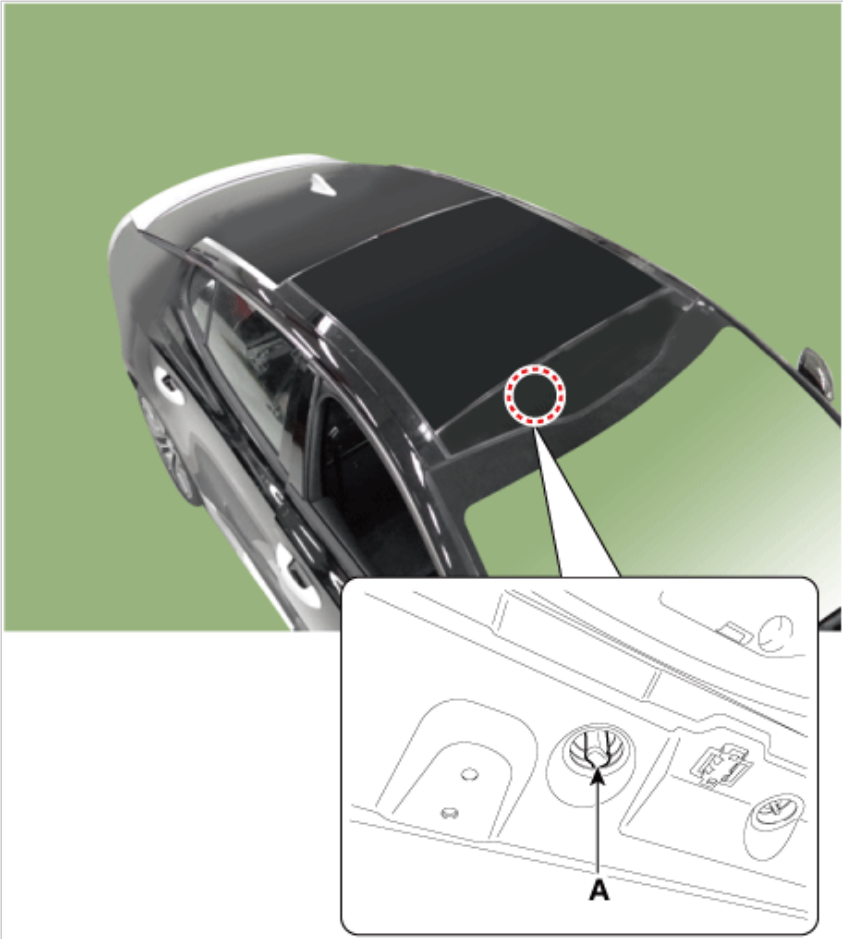
3. Use alcohol or an air gun to clean up the edges of the body panel and the wide sunroof.
4. Use a sealant gun to apply sealant (B) around body panel (A).

NOTICE

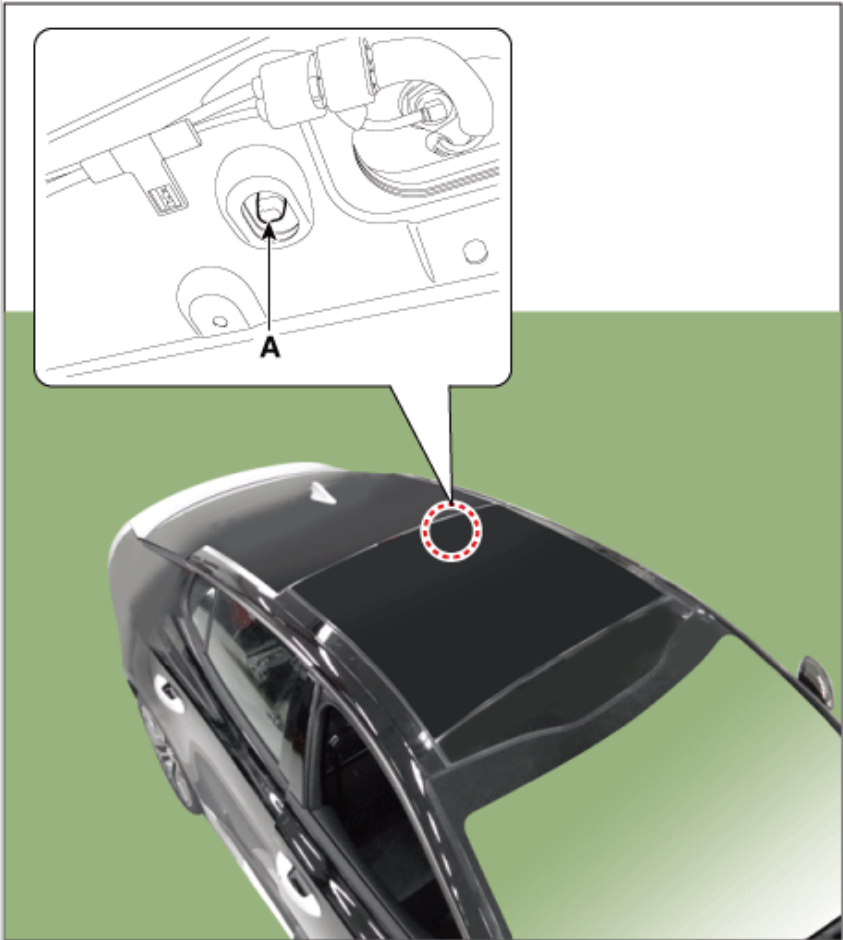
When using a sealant gun to apply the sealant, make sure that the sealant is not cracked to prevent water leaks.



5. Align with centering device hole (A) of the body, and carefully mount the wide sunroof on the body panel.
[Front]



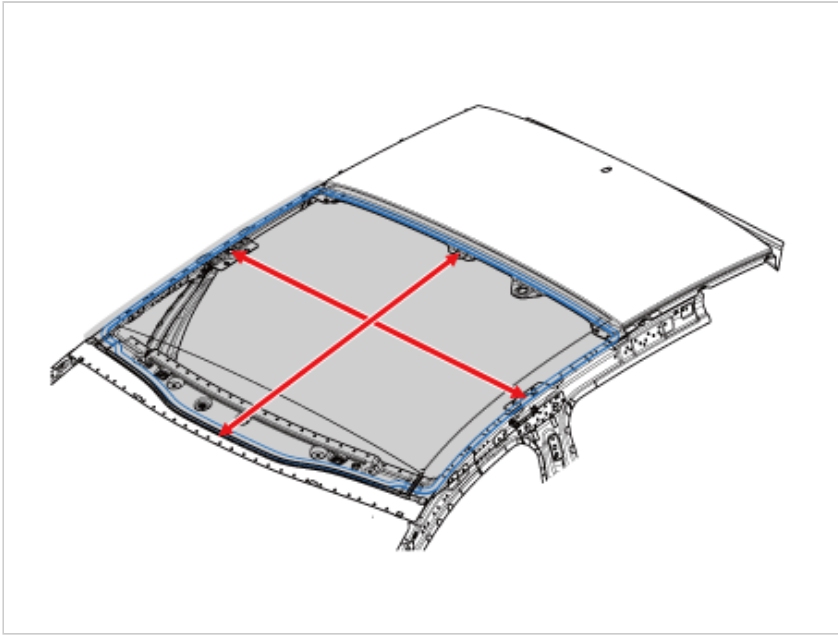
[Rear]



6. Check step and gap before fully mounting wide sunroof assembly (A).
7. Apply tape around the wide sunroof assembly to prevent the assembly from coming off.

NOTICE

If sealant is excessively applied, it may ooze out of the body. Use alcohol or a cleaning agent to wipe off the residual sealant.



8. Tighten wide sunroof mounting nuts (A).

[Front]

Tightening torque :

7.8 - 11.8 N·m (0.8 - 1.2 kgf·m, 5.8 - 8.7 lb·ft)



[Rear]

Tightening torque :

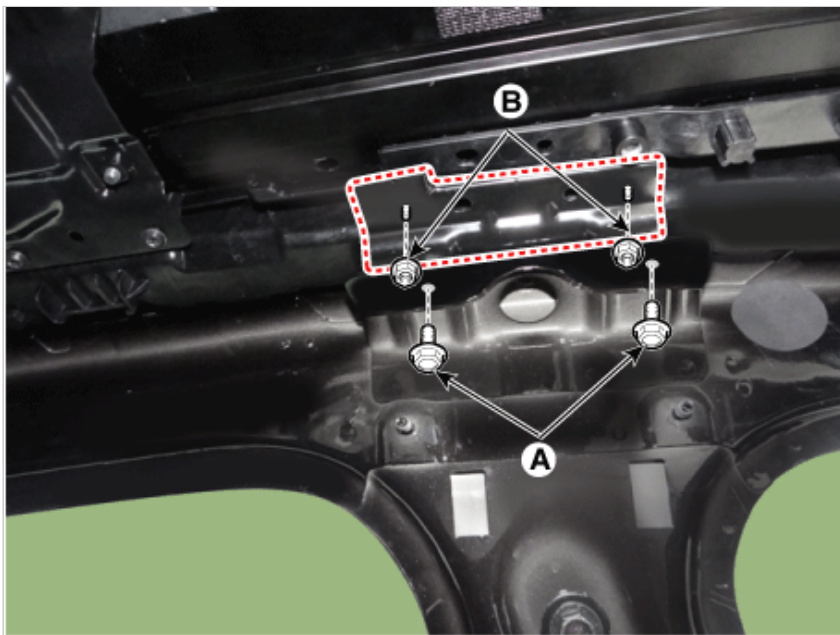
7.8 - 11.8 N·m (0.8 - 1.2 kgf·m, 5.8 - 8.7 lb·ft)



9. Tighten wide sunroof side mounting bolts (A) and nuts (B).

Tightening torque :

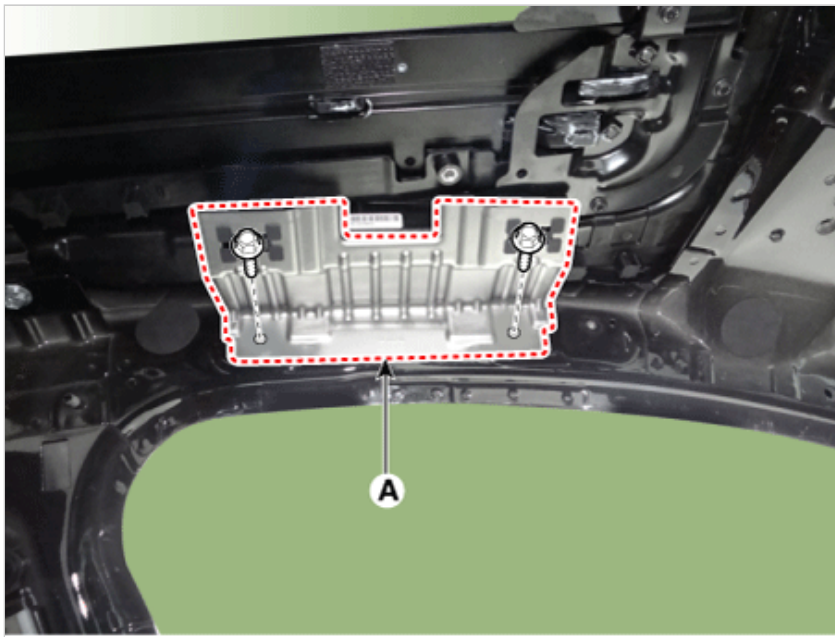
7.8 - 11.8 N·m (0.8 - 1.2 kgf·m, 5.8 - 8.7 lb·ft)



10. Install the assist handle bracket (A).

Tightening torque :

7.8 - 11.8 N·m (0.8 - 1.2 kgf·m, 5.8 - 8.7 lb·ft)



11. Install the moving glass.

(Refer to Wide Sunroof - "Moving Glass")

12. Press wide sunroof switch to fully close the movable glass.

13. Perform water leak test.

NOTICE

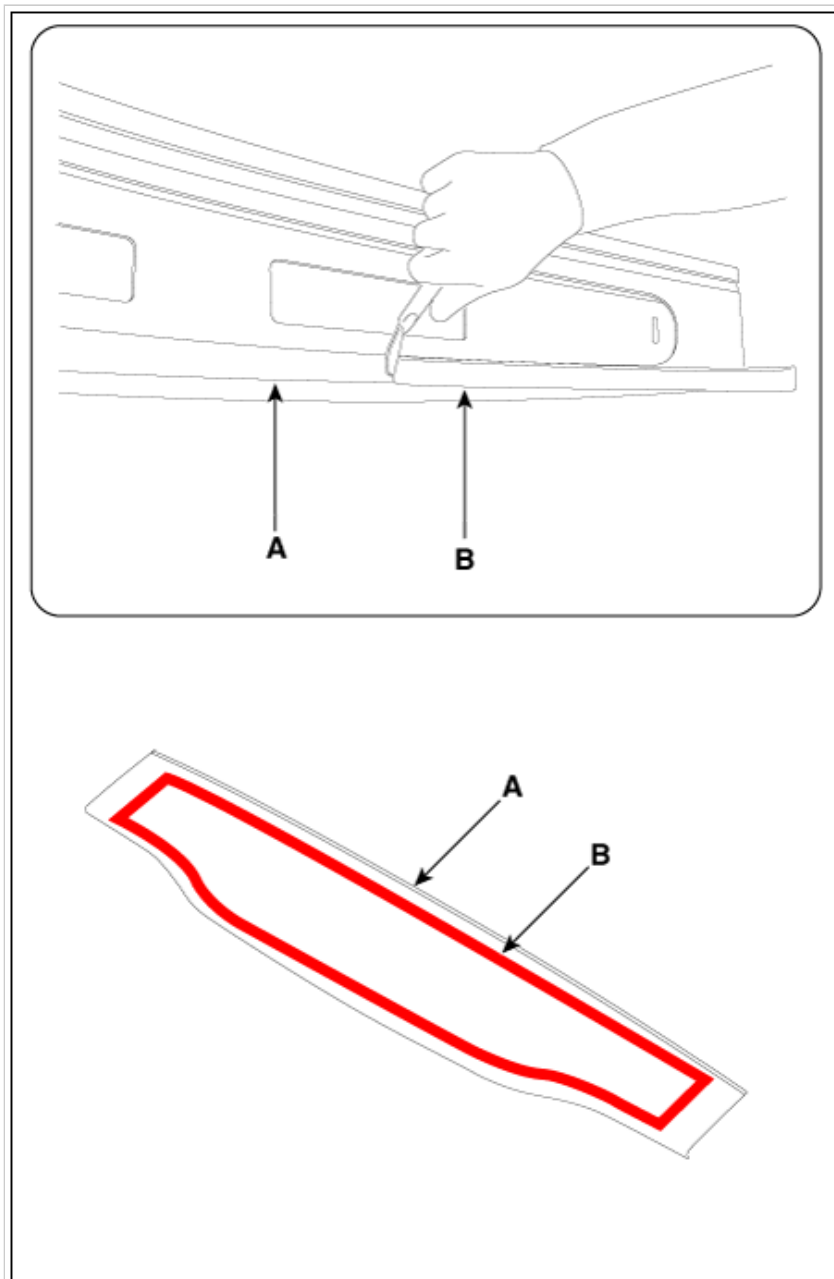
Make sure that a stream of water doesn't reach the newly mounted surface, but drops down the side of the glass instead.

14. In case of water leakage, apply sealant to the whole area of leakage.

NOTICE

- Mount wide sunroof and set the car on a flat surface for at least 4 hours.
- If you have to drive the car, be sure to drive SLOWLY for at least 8 hours after mounting.
- Alert the driver to avoid driving the car aggressively for 2-3 days, and driving on irregular road surfaces.

15. If front glass (A) is reused, use a blade to remove residual sealant (B) around the body panel.

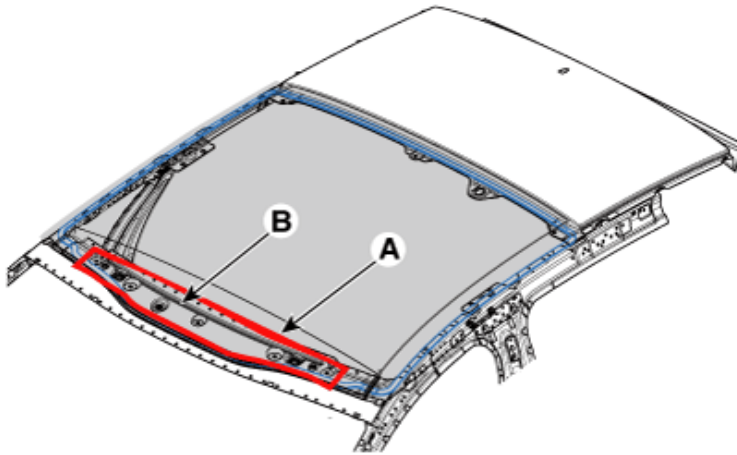
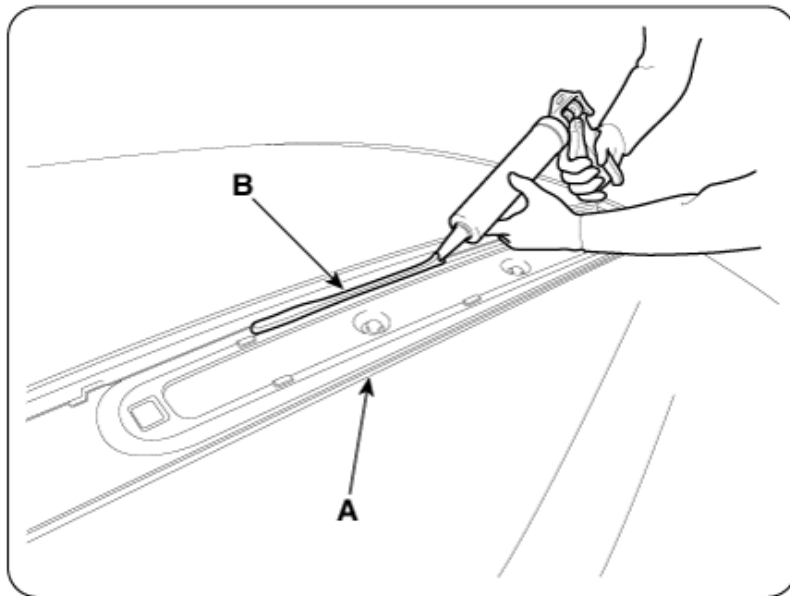


16. Use alcohol or an air gun to clean up the edges of the body panel and front glass.

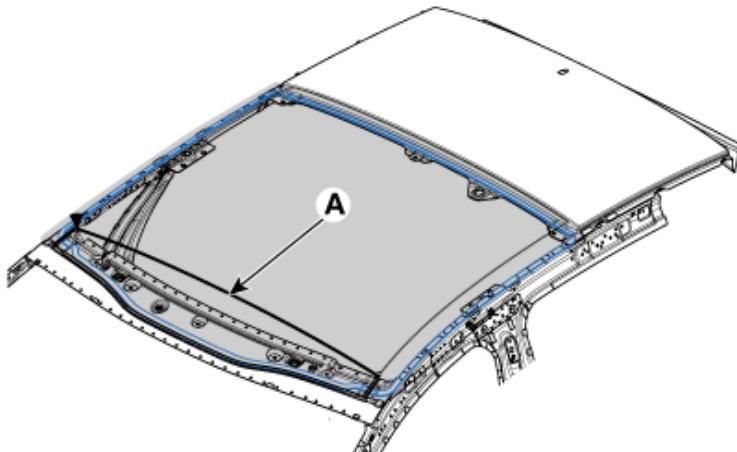
17. Use a sealant gun to apply sealant (B) around body panel (A).

NOTICE

When using a sealant gun to apply the sealant, make sure that the sealant is not cracked to prevent water leaks.



18. Install the front glass (A) loosely on the body panel.

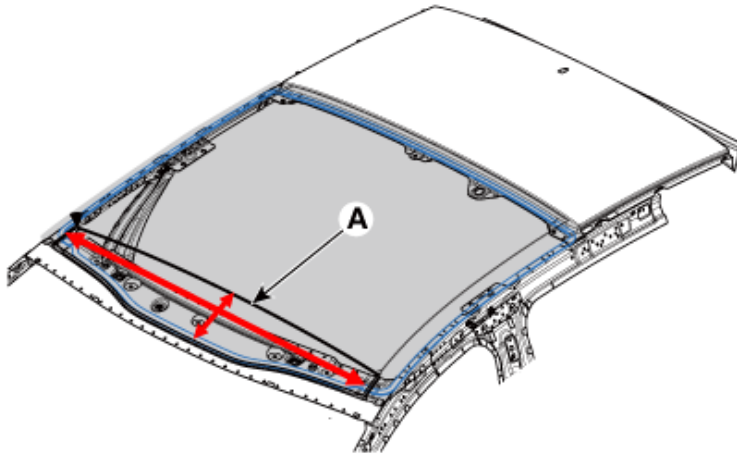


19. Check step and gap before front glass (A) is fully mounted.

20. Apply tape around the front glass to prevent the glass from coming off.

NOTICE

If sealant is excessively applied, it may ooze out of the body. Use alcohol or a cleaning agent to wipe off the residual sealant.



21. Install the curtain airbag (CAB) module.

(Refer to Restraint - "Curtain Airbag (CAB) Module")

22. Remove the roof side molding.

(Refer to Body Side Molding - "Roof Side Molding")

23. Remove the roof trim.

(Refer to Roof Trim - "Roof Trim Assembly")

i Information

- Mount front glass and set the car on a flat surface for at least 4 hours.
- If you have to drive the car, be sure to drive SLOWLY the car for at least 8 hours after mounting.
- Alert the driver to avoid driving the car aggressively for 2-3 days, and driving on irregular road surfaces.