

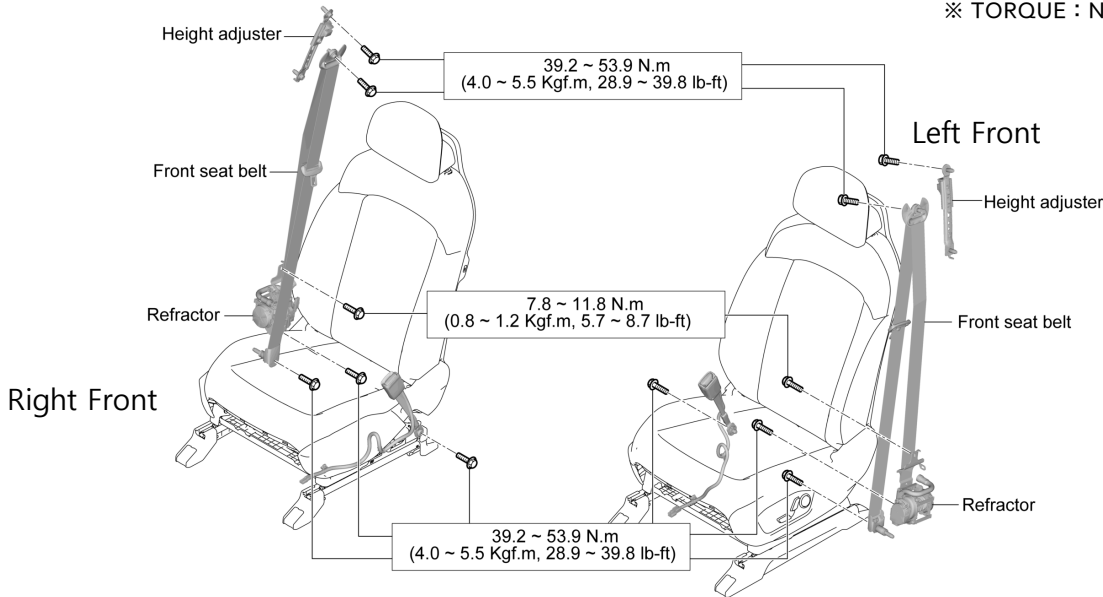
The seat belt installation instruction



MODEL : EV9 2023~

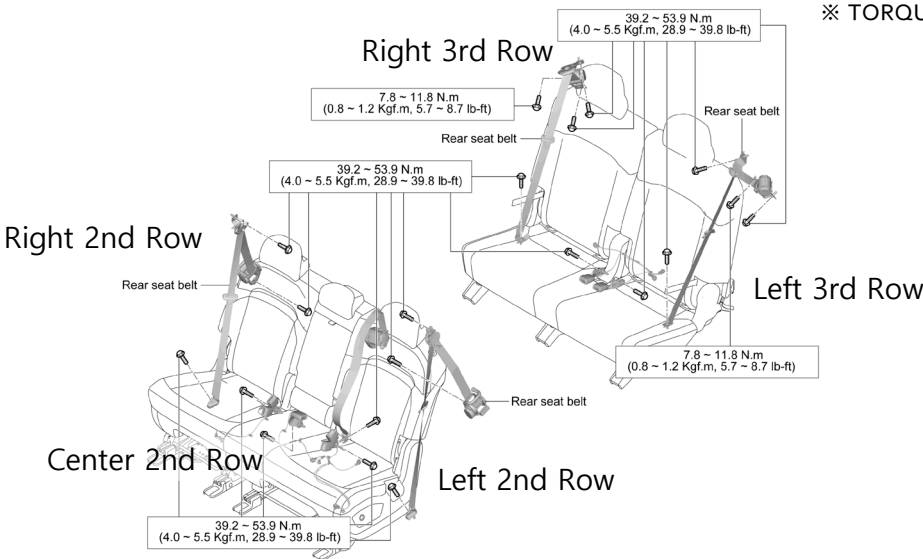
FRONT SEAT BELTS

※ TORQUE : N.m (kgf.m, lb.ft)



REAR SEAT BELTS

※ TORQUE : N.m (kgf.m, lb.ft)



※ The images shown are for illustration purposes only and may not be an exact representation of the product.

1. Remove any trim panels required to access the seatbelt and mounting hardware. Note the location and position of each to aid in reassembly.
2. Remove the existing seatbelt carefully. Note the location, position, and order in which all bolts, washers, and/or spacers are assembled.
Also note any electrical connectors.
3. Install the new seatbelt.
Refer to the diagram included in the installation instructions to ensure the new seatbelt is installed in the same way that the original assembly was installed, including proper routing of the webbing. Torque each bolt to the proper specification and reconnect any electrical connectors.
4. Replace any trim panels or covers taking care not to pinch, twist or restrict the safety belt webbing or damage any electrical connectors or wiring.
5. Test the system for properly functionality as applicable, including: DTCs or warning lamps, latching and unlatching of the belt buckle, extension and retraction of the belt, the retractor locking operation [retractor should lock when the belt webbing is pulled rapidly and when the vehicle brake is rapidly applied], functionality of the driver seat belt use warning lamp and chime, and the anchorage height adjuster.
6. If you have any concerns or are unsure if there is an issue with the seatbelt, consult an authorized Kia dealer.

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Seat belts

The following explains seat belts precautions and how to fasten seat belts.

Seat belt restraint system

For maximum restraint system protection, seat belts must always be used whenever the vehicle is moving.

- A properly positioned shoulder belt should be positioned midway over your shoulder across your collarbone.
- Never allow children to ride in the front passenger seat. See "Child Restraint System (CRS)" on page 4-42 for further discussion.

WARNING

Twisted Seat Belt

Make sure your seat belt is not twisted when worn. A twisted seat belt may not properly protect you in an accident and could cut into your body.

WARNING

Shoulder Belt

Never wear the shoulder belt under your arm or behind your back. An improperly positioned shoulder belt cannot protect the occupant in an accident.

WARNING

Damaged Seat Belt

Replace the entire seat belt assembly if any part of the webbing or hardware is damaged, as you can no longer be sure that a damaged seat belt will provide protection in a crash.

Seat belts are designed to bear upon the bony structure of the body and should be worn low across the front of the pel-

wearing the lap section of the belt across the abdominal area must be avoided. Seat belts should be adjusted as firmly as possible, consistent with comfort, to provide the most protection.

A slack belt will greatly reduce protection.

Care should be taken to avoid contamination of the webbing with polishes, oils, chemicals, and particularly battery acid. Use mild soap and water. The belt should be replaced if webbing becomes frayed, contaminated or damaged.

- No modifications or additions should be made by the user which could either prevent the seat belt adjusting devices from operating to remove slack.
- When you fasten the seat belt, be careful not to latch the seat belt in buckles of other seats. It is very dangerous and you may not be properly protected.
- Do not fasten and unfasten the seat belt repeatedly while driving. This could cause loss of control and an accident causing death, serious injury, or property damage.
- When fastening the seat belt, make sure that the seat belt does not pass over objects that are hard or can break easily.

WARNING

Seat Belt Buckle

Do not allow foreign material (gum, crumbs, coins, liquids, etc.) to obstruct the seat belt buckle orifice. This may prevent the seat belt from fastening securely.

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Seat belt warning light

The seat belt warning light and warning sound operate under the following conditions to let you know the importance of wearing a seat belt.

Front seat belt warning light



- When the vehicle is ON, the warning light will illuminate for approximately 6 seconds. The warning light will continue to stay illuminated until the seat belt is fastened. If the driver's seat belt is not fastened, the warning chime will sound for about 6 seconds.
- If the seat belt is unfastened while driving and the vehicle's speed is 6 mph (9 km/h) or more but less than 12 mph (20 km/h), the warning light will remain illuminated. If the vehicle's speed is above approximately 12 mph (20 km/h) and the seat belt is unfastened while driving, the warning light (flashing) and warning sound will operate for about 100 seconds. After that, the warning light will continue to stay illuminated until the seat belt is fastened.
- When the front passenger seat is not occupied, the seat belt warning light turns on for approximately 6 seconds and then turns off. In addition, when the warning is already activated, the seat belt not fastened warning may remain for about 6 seconds after the passenger gets out of the vehicle.

* NOTICE

- Even if the front passenger seat is not occupied, the seat belt warning light will appear for approximately 6 seconds.
- The front passenger's seat belt warning may operate when luggage is placed on the front passenger seat.

Rear passenger seat belt warning light

6 seats/7 seats



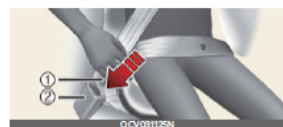
- 2nd row seats left side
 - 2nd row seats center side
 - 2nd row seats right side
 - 3rd row seats left side
 - 3rd row seats right side
- When the vehicle is ON, the warning light will illuminate for approximately 6 seconds. Afterwards, regardless of passenger occupancy, if the seat belt is not fastened, the warning light will stay illuminated for approximately 70 seconds.
 - If the seat belt is unfastened while driving after it has been initially fastened, and the vehicle's speed is below approximately 12 mph (20 km/h), the warning light will remain illuminated for approximately 70 seconds. If the vehicle's speed is above approximately 12 mph (20 km/h), the warning light (flashing) and warning sound will operate for approximately 35 seconds.

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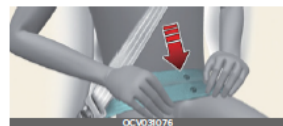
Seat belt - driver's 3-point system with emergency locking retractor

The following explains how to fasten and adjust the driver's seat belt.

Fastening your seat belt



- Pull it out of the retractor and insert the metal tab (1) into the buckle (2). There will be an audible "click" when the tab locks into the buckle.



You should place the lap belt portion as low as possible and snugly across your hips. If the lap belt is located too high on your waist, it may increase the chance of injury in the event of a collision.

The arm closest to the seat belt buckle should be over the belt while the other arm should be under the belt as shown in the illustration. Never wear the seat belt under the arm closest to the door.

The seat belt automatically adjusts to the proper length only after the lap belt portion is adjusted manually so that it fits snugly around your hips. If you lean forward in a slow, easy motion, the belt will extend and let you move around. If there is a sudden stop or impact, however, the belt will lock into position. It will also lock if you try to lean forward too quickly.

* NOTICE

If you are not able to pull out the seat belt from the retractor, firmly pull on the belt and release it. You should then be able to pull the belt out smoothly.

Height adjustment

You can adjust the height of the shoulder belt anchor to one of 4 positions for maximum comfort and safety.



The height of the adjusting seat belt should not be too close to your neck. The shoulder portion should be adjusted so that it lies across your chest and mid-way over your shoulder.

- To adjust the height of the seat belt anchor, lower or raise the height adjuster into an appropriate position.
- To raise the height adjuster, pull it up (1).
- To lower it, push it down (3) while pressing the height adjuster button (2).

Release the button to lock the anchor into position. Try sliding the height adjuster to make sure that it has locked in position.

Improperly positioned seat belts can cause serious injuries in an accident.

WARNING

Shoulder Belt Positioning

Verify the shoulder belt anchor is locked into position at the appropriate height.

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your neck or face. Improperly positioned seat belts can cause serious injuries in an accident.

WARNING

Seat Belt Replacement

After a collision, the seat belt system should be inspected to ensure it is operating normally. Replace any belts that are not functioning appropriately.

Seat belts - front passenger and rear seat 3-point system with combination locking retractor

The following explains how to fasten the passenger's and rear seat belt.

Fastening the seat belt

Combination retractor type seat belts are installed in the rear seat positions to help accommodate the installation of child restraint systems. Although a combination retractor is also installed in the front passenger seat position, it is strongly recommended that children always be seated in the rear seat. NEVER place any infant restraint system in the front seat of the vehicle.

This type of seat belt combines the features of both an emergency and automatic locking retractor.

- Pull it out of the retractor and insert the metal tab into the buckle. There will be an audible "click" when the tab locks into the buckle. When not securing a child restraint, the seat belt operates in the same way as the driver's seat belt (emergency locking retractor type).

It automatically adjusts to the proper length only after the lap belt portion of the seat belt is adjusted manually so that

When the seat belt is fully extended from the retractor to allow the installation of a child restraint system, the seat belt operation changes to allow the belt to retract, but not to extend (automatic locking retractor type). Refer to "Securing a child restraint with a lap/shoulder belt" on page 4-48.

CAUTION

Do NOT fold down the left portion of the rear seatback when the rear center seat belt is buckled. ALWAYS UNBUCKLE the rear center seat belt before folding down the left portion of the rear seatback. If the rear center seat belt is buckled when the left portion of the rear seatback is folded down, distortion and damage to the top portion of the seatback and seat belt garnish may result, causing the seatback to lock into the folded down position.

* NOTICE

Although the combination retractor provides the same level of protection for seated passengers in either emergency or automatic locking modes, have the seated passengers use the emergency locking feature. The automatic locking function is intended only for child restraint installation. To convert from the automatic locking feature to the emergency locking operation mode, allow the unbuckled seat belt to fully retract.

The seat belt should be locked into the buckle on each seat cushion to be properly fastened.

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2nd row seats



2nd row seats

- 1 Rear right seat belt fastening buckle
- 2 Rear center seat belt fastening buckle
- 3 Rear left seat belt fastening buckle

WARNING

Prior to fastening the rear seat belts, ensure the latch matches the seat belt buckle. Forcefully fastening the left or right seat belt to the center buckle can result in an improper fastening scenario that will not protect you in an accident.

When using the rear center seat belt, the buckle with the "CENTER" mark must be used.



3rd row seats



- 1 Rear right seat belt fastening buckle
- 2 Rear left seat belt fastening buckle

3

WARNING

Hot Pre-tensioner

Do not touch the pre-tensioner seat belt assemblies for several minutes after they have been activated. When the pre-tensioner seat belt mechanism activates during a collision, the pre-tensioner becomes hot and can burn you.

Pre-tensioners operate only one time. After activation, pre-tensioner seat belts must be replaced. If the pre-tensioner must be replaced, contact an authorized Kia dealer.

Seat belt precautions

Take the following precautions when using seat belts.

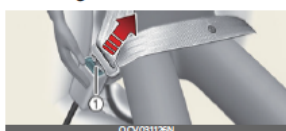
Infant or small child

All 50 states have child restraint laws. You should be aware of the specific requirements in your state. Child and/or infant seats must be properly placed and installed in the rear seat. For more information about the use of these restraints, refer to "Child Restraint System (CRS)" on page 4-42.

NOTICE

Children 13 and under are best protected from injury in an accident when properly restrained in the rear seat by a child restraint system that meets the requirements of the Federal Motor Vehicle Safety Standards. Before buying any child restraint system, make sure that it has a label certifying that it meets Federal Motor Vehicle Safety Standard (FMVSS) 213. The restraint must be appropriate for your child's height and weight. Check the label on the child restraint for this information. Refer to

Releasing the seat belt



The seat belt is released by pressing the release button (1) on the locking buckle. When it is released, the belt should automatically draw back into the retractor. If this does not happen, check the belt to make sure it is not twisted and try again.

Pre-tensioner seat belt

Your vehicle is equipped with pre-tensioner seat belts for the front driver and passenger, as well as the second row passengers (except the center).



The pre-tensioner seat belts may be activated when a frontal collision is severe enough, together with the air bags.

When the vehicle stops suddenly, or if the occupant tries to lean forward too quickly, the seat belt retractor may lock into position. In certain frontal collisions, the pre-tensioner will activate and pull the seat belt tighter.

1 Retractor pre-tensioner

The purpose of the retractor pre-tensioner is to make sure that the shoulder belts fit in tightly against the occupant's upper body in certain frontal collisions.

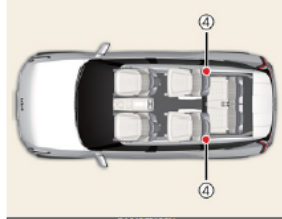
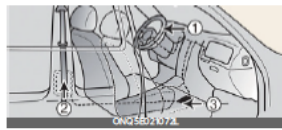
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If the system senses excessive tension on the driver or passenger's seat belt when the pre-tensioner system activates, the load limiter inside the retractor pre-tensioner will release some of the pressure on the affected seat belt.

NOTICE

When the pre-tensioner seat belts are activated, a loud noise may be heard and fine dust, which may appear to be smoke, may be visible in the passenger compartment. These are normal operating conditions and are not hazardous.

The seat belt pre-tensioner system consists mainly of the following components. Their locations are shown in the illustration:



* The actual position of seat belt pre-tensioner system components may differ from the illustration.

- 1 SRS (supplemental restraints system) air bag warning light

- 2 Front retractor pre-tensioner assembly
- 3 SRS control module
- 4 2nd row retractor pre-tensioner assembly

WARNING

Skin Irritation

Wash all exposed skin areas thoroughly after an accident when the pre-tensioner seat belts were activated. The fine dust from the pre-tensioner activation may cause skin irritation and should not be inhaled for prolonged periods.

NOTICE

- Both the driver's and front passenger's seat belt pre-tensioner systems may activate not only in certain frontal collisions, but also in certain side collisions or rollovers if the vehicle is equipped with side/curtain air bags, and/or the front center side air bag.
- The sensor that activates the SRS air bag operates with the pre-tensioner seat belt. The SRS air bag warning light (SRS) on the instrument panel will appear for approximately 3-6 seconds after the EV button has been changed to the ON position, and should then turn off.

If the pre-tensioner seat belt system is not working properly, this warning light will appear even if there is not a malfunction of the SRS air bag. If the SRS air bag warning light does not appear when the EV button is changed to ON, or if it remains illuminated after approximately 3-6 seconds, or if it appears while the vehicle is being driven, have an authorized Kia dealer inspect it as soon as possible.

4

Restraint of pregnant women

Pregnant women should wear lap/shoulder belt assemblies whenever possible according to specific recommendations by their doctors. The lap portion of the belt should be worn AS SECURELY AND LOW AS POSSIBLE.

WARNING

Pregnant Women

Pregnant women must never place the lap portion of the seat belt above or on the abdomen where the fetus is located. The force of the seat belt during a collision can seriously injure the fetus.

Injured person

A seat belt should be used when an injured person is being transported. When this is necessary, you should consult a physician for recommendations.

One person per belt

Two people (including children) should never attempt to use a single seat belt. This could increase injury severity in case of an accident.

Do not lie down

To reduce the chance of injuries in the event of an accident and to achieve maximum effectiveness of the restraint system, all passengers should be sitting up and the front and rear seats should be in an upright position when the vehicle is moving. A seat belt cannot provide proper protection if a person is lying down in the rear seat or if the front and rear seats are in a reclined position.

Care of seat belts

Seat belt systems should never be disassembled or modified. Care should be taken to assure that seat belts and belt hardware are not damaged by seat hinges, doors or abuse.

WARNING

Pinched Seat Belt

Make sure that the webbing and/or buckle does not get caught or pinched in the rear seat when returning the rear seatback to its upright position. A caught or pinched webbing/buckle may become damaged and could fail during a collision or sudden stop.

WARNING

Seatbelts can become hot in a vehicle that has been closed in sunny weather. They could burn infants and children.

Periodic inspection

All seat belts should be inspected periodically for any wear or damage. Any damaged parts should be replaced as soon as possible.

Keep belts clean and dry

Seat belts should be kept clean and dry. They can be cleaned by using a mild soap solution and warm water. Bleach, dye, strong detergents or abrasives should not be used because they may damage and weaken the fabric.

When to replace seat belts

The seat belt assembly should be replaced if the vehicle has been involved in an accident, even if no damage is visible. Additional questions concerning seat belt operation should be directed to an authorized Kia dealer.

Always check the owner's manual for complete vehicle information and safety warnings.