

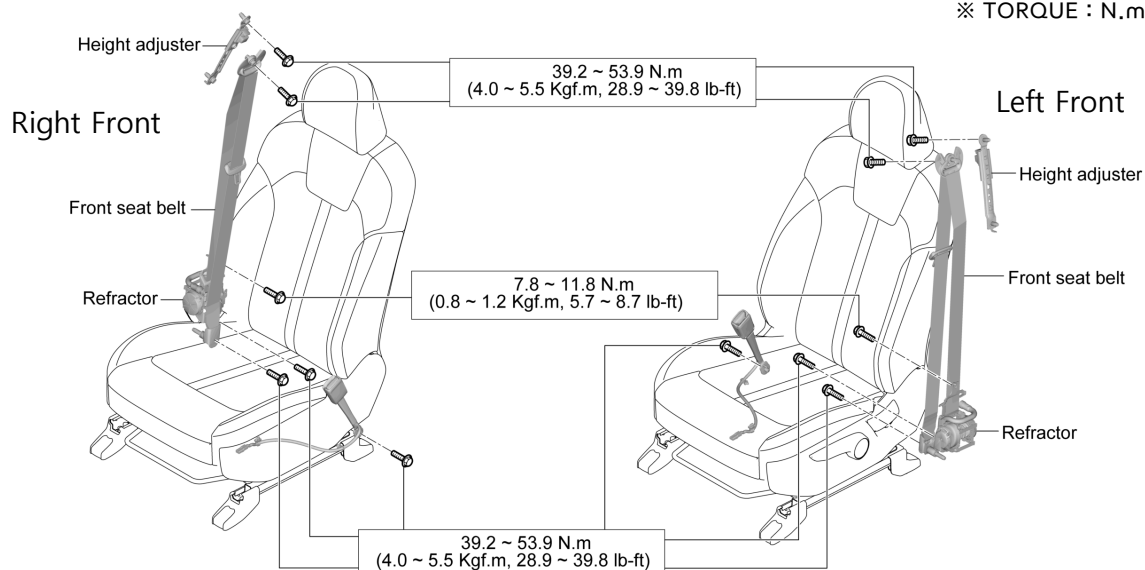
The seat belt installation instruction



MODEL : SORENTO 2021~

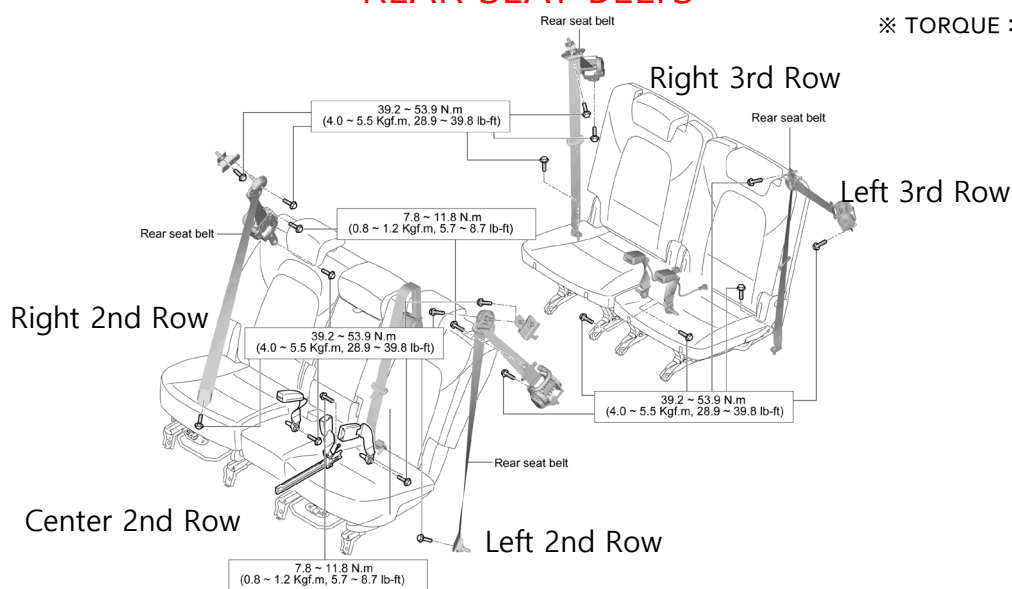
FRONT SEAT BELTS

※ 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

Seat belts are designed to bear upon the bony structure of the body and should be worn low across the front of the pelvis, chest and shoulders.

Seat belt restraint system

For maximum restraint system protection, the 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 3-30 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 even 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 the event of a crash.
- Always wear both the shoulder portion and lap portion of the lap/shoulder belt.

WARNING

Damaged seat belt

Any damage to webbing or hardware may cause serious injury or death in an accident. The entire seat belt assembly

should be replaced when any part of the webbing or hardware is damaged.

Seat belts are designed to bear upon the bony structure of the body, and should be worn low across the front of the pelvis, chest and shoulders, as applicable; 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 protection for which they have been designed.

A slack belt will greatly reduce the protection afforded to the wearer.

Care should be taken to avoid contamination of the webbing with polishes, oils and 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 or prevent the seat belt assembly from being adjusted 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.

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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.

Seat belt warning



The seat belt warning light and warning chime operate under the following conditions:

Driver's seat belt warning

As a reminder to the driver, the seat belt warning light will appear for approximately 6 seconds each time you turn the ENGINE START/STOP button ON regardless of belt fastening. If the seat belt is not fastened, the warning chime will sound for about 6 seconds.

If you start to drive without the seat belt fastened over approximately 5 mph (9 km/h) and less than approximately 12 mph (20 km/h), the corresponding warning light will appear. The warning light will turn off when the vehicle speed drops below approximately 5 mph (9 km/h).

If you start to drive without the seat belt fastened or you unfasten the seat belt when you drive approximately 12 mph (20 km/h) and faster, the warning light will blink and warning chime will sound for approximately 100 seconds. When the seat belt is unfastened during driving, the warning light will appear when

the speed is over approximately 5mph (9 km/h) and less than approximately 12 mph (20 km/h). When the speed is approximately 12 mph (20 km/h) and faster, the warning light will blink and warning chime will sound for approximately 100 seconds.

Front passenger's seat belt warning

As a reminder to the front passenger, the seat belt warning light will appear for approximately 6 seconds each time you turn the ENGINE START/STOP button ON regardless of belt fastening. If you start to drive without the passenger seat belt fastened when you drive over approximately 5 mph (9 km/h) and less than approximately 12 mph (20 km/h), the corresponding warning light will appear. The warning light will turn off when the vehicle speed drops approximately below 5 mph (9 km/h).

If you start to drive without the passenger seat belt fastened or you unfasten the seat belt when you drive approximately 12 mph (20 km/h) and faster, the warning light will blink and warning chime will sound for approximately 100 seconds. When the passenger seat belt is unfastened during driving, the warning light will appear when the speed is over approximately 5mph (9 km/h) and less than approximately 12 mph (20 km/h). When the speed is approximately 12 mph (20 km/h) and faster, the warning light will blink and warning chime will sound for approximately 100 seconds.

NOTICE

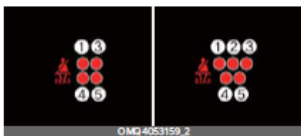
- Even if the front passenger seat is not occupied, the seat belt warning light will appear for approximately 6 seconds.

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- The front passenger's seat belt warning may operate when luggage is placed on the front passenger seat.

Rear passenger's seat belt warning

6 seats/7 seats



- 2nd row seat: (1) Left side, (2) Center, (3) Right side
- 3rd row seat: (4) Left side, (5) Right side

As a reminder to the rear passenger, the rear passenger's seat belt warning lights will appear for approximately 6 seconds each time you turn the ignition switch ON regardless of belt fastening.

If you start to drive without the seat belt fastened, the seat belt warning light will blink for approximately 70 seconds.

If you unfasten the seat belt when you drive under 12 mph (20 km/h), the seat belt warning light will blink for approximately 70 seconds.

If you unfasten the seat belt when you drive over 12 mph (20 km/h), the seat belt warning chime will sound for approximately 35 seconds and the corresponding warning light will blink.

If the rear door is opened or closed under 6 mph (10 km/h), warning light and warning sound does not work even if driving over 12 mph (20 km/h).

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

Buckling your seat belt



- To buckle 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.

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.

WARNING

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

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in the illustration. Never wear the seat belt under the arm closest to the door.

NOTICE

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

Releasing the seat belt



- Press the release button (1) in 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 be sure it is not twisted, then try again.

Adjusting the height of shoulder belt

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. You will not be getting the most effective protection. The shoulder portion should be adjusted so that it lies across your chest and midway over your shoulder near the door and not your neck.

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 into 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. Never position the shoulder belt across your neck or face. Improperly positioned seat belts can cause serious injuries in an accident.

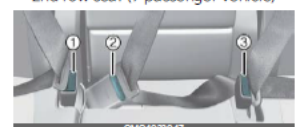
WARNING

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.

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

2nd row seat (7 passenger vehicle)



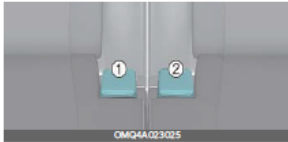
Always check the owner's manual for complete vehicle information and safety warnings.

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1. Rear right seat belt buckle
2. Rear center seat belt buckle
3. Rear left seat belt buckle

3rd row seat



1. Rear right seat belt buckle
2. Rear left seat belt buckle

WARNING

Prior to buckling the rear seat belts, ensure the latch matches the seat belt buckle. Forcefully connecting the left or right seat belt to the center buckle will not secure the occupant in an accident.

Stowing the rear seat belt

The rear seat belt buckles can be stowed in the pocket between the rear seatback and cushion when not in use.


2nd row seat (for 7 passenger vehicle)



2nd row seat (for 6 passenger vehicle)



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warning light  on the instrument panel will appear for approximately 3 ~ 6 seconds after the ENGINE START/STOP button has been turned to the ON position, and then it should 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 with the SRS air bag. If the SRS air bag warning light does not appear when the ENGINE START/STOP button has been turned to the ON position, or if it remains appears after illuminating for approximately 3 ~ 6 seconds, or if it appears while the vehicle is being driven, have an authorized Kia dealer inspect the pre-tensioner seat belt and SRS air bag system as soon as possible.

NOTICE

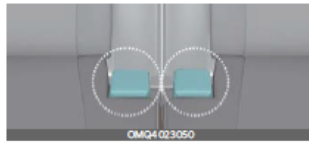
Do not attempt to service or repair the pre-tensioner seat belt system in any manner. Do not attempt to inspect or replace the pre-tensioner seat belts yourself. This must be done by an authorized Kia dealer.

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 fires during a collision the pre-tensioner becomes hot and can burn you.

3rd row seat



1. Route the seat belt webbing through the rear seat belt guides. It will help keep the belts from being trapped behind or under the seats.
2. After inserting the seat belt, tighten the belt webbing by pulling it up.

CAUTION

When pulling out to wear the seat belt, the tongue should be slowly pulled out of the seat belt guide so that the seat belt guide does not come off the trim.

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Pretensioner seat belt



Your Kia is equipped with pre-tensioner seat belts for the front driver and passenger, as well as the second row passengers.

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

The pre-tensioner seat belts may be activated in crashes where the collision is severe enough.

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

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.

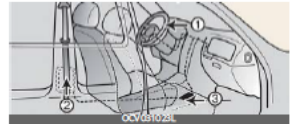
WARNING

For your safety, be sure that the belt webbing is not loose or twisted and always sit properly on your seat.

NOTICE

The pre-tensioner may activate not only in a frontal collision but also in a side collision, if the vehicle is equipped with a side or curtain air bag.

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



- 1 SRS air bag warning light
- 2 Front retractor pre-tensioner assembly
- 3 SRS control module

WARNING

Skin irritation

Wash all exposed skin areas thoroughly after an accident in which 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 be activated not only in certain frontal collisions, but also in certain side collisions or rollovers, if the vehicle is equipped with a side or curtain air bag.
- Because the sensor that activates the SRS air bag is connected with the pre-tensioner seat belt, the SRS air bag

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possible. Check periodically to insure that the belt fits. A child's squirming could put the belt out of position. Children are given the most safety in the event of an accident when they are restrained by a proper restraint system in the rear seat. If a larger child (over age 13) must be seated in the front seat, the child should be securely restrained by the available lap/shoulder belt and the seat should be placed in the rearmost position. Children age 13 and under should be restrained securely in the rear seat. NEVER place a child age 13 and under in the front seat. NEVER place a rear facing child seat in the front seat of a vehicle.

If the shoulder belt portion slightly touches the child's neck or face, try placing the child closer to the center of the vehicle. If the shoulder belt still touches their face or neck they need to be returned to a Child Restraint System.

WARNING

Small children

Do not allow small children to ride in the vehicle without an appropriate Child Restraint System. If the shoulder belt comes in contact with your child's neck or face, your child is too small to ride in the vehicle. In a crash, the seat belt will inflict injury to your child's neck, throat and face.

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 will crush 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 the severity of injuries 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 the 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.

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

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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 up in sunny weather. Please handle with care, as they could burn infants and children, if used abruptly.

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.

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