

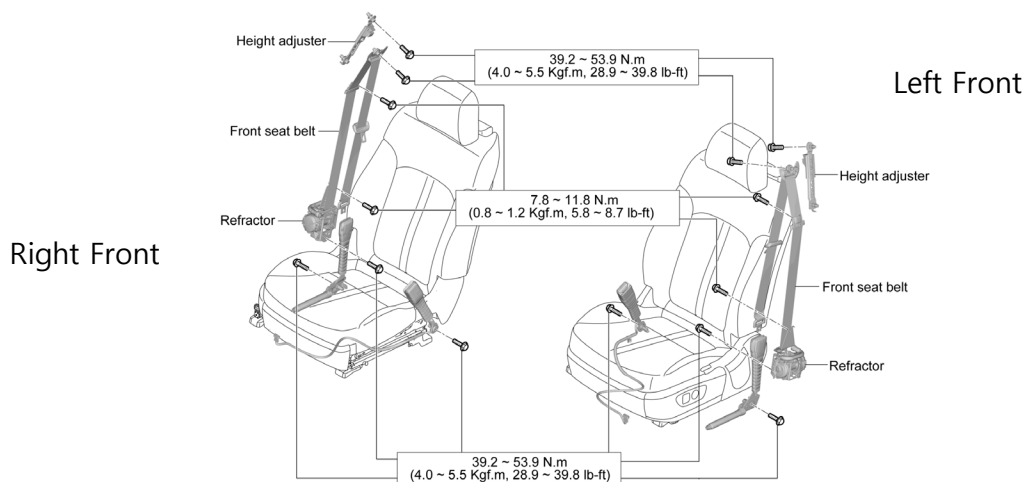
# The seat belt installation instruction



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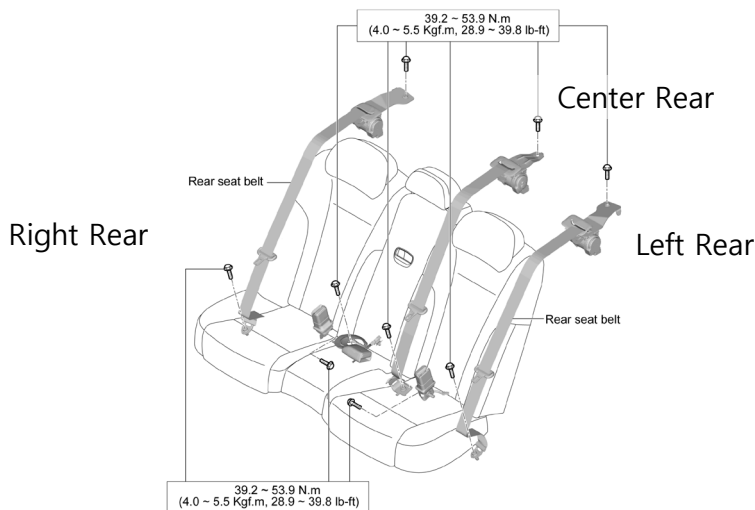
## FRONT SEAT BELTS

※ 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 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 section 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 a crash.
- Always wear both the shoulder portion and lap portion of the lap/shoulder belt.

#### ⚠ 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 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. Cleaning may safely be carried out using 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 would 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's very dangerous and you may not be protected by the seat belt properly.
- Do not unfasten the seat belt and do not fasten and unfasten the seat belt repeatedly while driving. This could result in 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, etc.) to obstruct the seat belt buckle. This may prevent the seat belt from fastening securely.

#### Seat belt warning



#### Driver's seat belt warning

As a reminder to the driver, the seat belt warning light will illuminate for approximately 6 seconds each time the engine start/stop button is in ON regardless of belt fastening and warning chime will sound for approximately 6 seconds each time the engine start/stop button is in ON when the belt is unfastened.

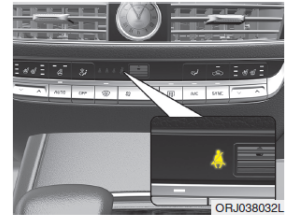
If a driver continues not to fasten the seat belt and drives 5.6 mph (9 km/h) or more the warning light will illuminate and warning chime will sound.

If a driver continues not to fasten the seat belt and drives 12 mph (20 km/h) or more the warning light will blink and the warning chime will sound for approximately 100 seconds.

When the seat belt is unfastened during driving, the warning light will illuminate when the speed is under 5.6 mph (9 km/h).

When the speed is over 5.6 mph (9 km/h), the warning light will illuminate and warning chime will sound until the belt is fastened.

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



#### Front passenger's seat belt warning

As a reminder to the front passenger, the front passenger's seat belt warning lights will illuminate for approximately 6 seconds each time you turn the Engine start/stop button in ON regardless of belt fastening.

If a passenger continues not to fasten the seat belt and the vehicle is moving 5.6 mph (9 km/h) or more the warning light will illuminate and warning chime will sound.

If a passenger continues not to fasten the seat belt and the vehicle is moving 12 mph (20 km/h) or more the warning light will blink and the warning chime will sound for approximately 100 seconds.

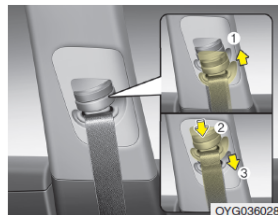
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If a passenger unfastens the seat belt while the vehicle is moving, the warning light will illuminate when the speed is under 5.6 mph (9 km/h).

When the speed is over 5.6 mph (9 km/h), the warning light will illuminate and warning chime will sound until the belt is fastened.

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

#### Lap/shoulder belt



#### 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. 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.

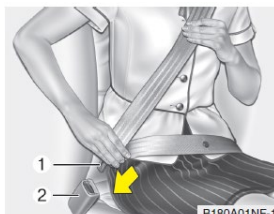
Improperly positioned seat belts can cause serious injuries in an accident.

#### ⚠ WARNING - Shoulder belt positioning

Never position the shoulder belt across your neck or face.

#### ⚠ WARNING - Seat belt replacement

Replace your seat belts after being in an accident. Failure to replace seat belts after an accident could leave you with damaged seat belts that will not provide protection in the event of another collision.



#### To fasten your seat belt:

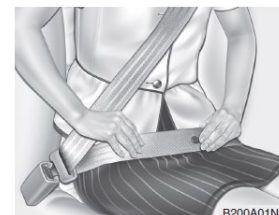
To fasten your seat belt, pull it out of the retractor and insert the metal tab (1) into the buckle (2). There will be an audible "click" when the tab locks into the buckle.

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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

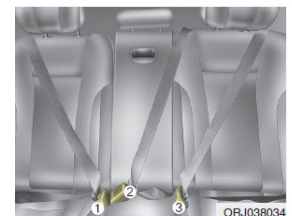
If you are not able to pull out the seat belt from the retractor, firmly pull the belt out and release it. Then you will be able to pull the belt out smoothly.



#### ⚠ WARNING

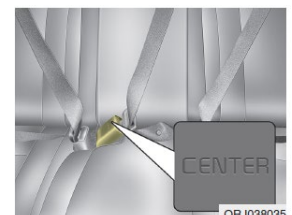
You should place the lap belt portion as low as possible and snugly across your hips, not on your waist. If the lap belt is located too high on your waist, it may increase the chance of injury in the event of a collision. Both arms should not be under or over the belt. Rather, one should be over and the other under, as shown in the illustration.

Never wear the seat belt under the arm near the door.



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

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

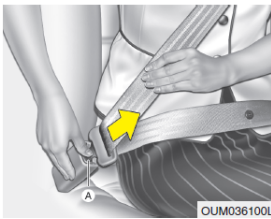


When using the rear center seat belt, the buckle with the "CENTER" mark must be used.



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## To release the seat belt:

The seat belt is released by pressing the release button (A) 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.

## 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.

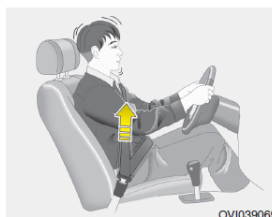
## Pre-tensioner seat belt



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Pre-tensioners are designed to operate only one time. After activation, pre-tensioner seat belts must be replaced. If the pre-tensioner must be replaced, contact an authorized K900 Kia dealer.

## Pre-active Seat belt (PSB) (if equipped)



The purpose of the pre-active seat belt is to prevent passengers from getting hurt by tightening the seat belt right before a collision or dangerous maneuver.

## CAUTION

The pre-active seat belt activates only when the passenger is wearing his/her seat belt.



The pre-active seat belt warning will turn on if there is a problem with your pre-active seat belt.

Your vehicle is equipped with driver's and front passenger's pre-tensioner seat belts (retractor pretensioner and EFD (Emergency Fastening Device)). 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 into tighter contact against the occupant's body.

## (1) Retractor Pretensioner

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.

## (2) EFD (Emergency Fastening Device)

The purpose of the EFD is to make sure that the pelvis belts fit in tightly against the occupant's lower body in certain frontal collisions.

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.

In this case, have the system checked by an authorized K900 Kia dealer.

The warning message comes on while the vehicle is in motion. If the PSB warning message disappears, the warning indicator (master symbol) will turn on.

In order to maximize the safety of the passenger, the pre-active seat belt system operates as below

- The seat belt is tightened when:
  - The vehicle senses a collision
  - Emergency braking situation occurs
  - Losing control of the vehicle
- The seat belt vibrates when:
  - The vehicle senses a object too near the vehicle

## CAUTION

Do not be surprised when the seat belt vibrates. It's not a malfunction but a warning for your safety.

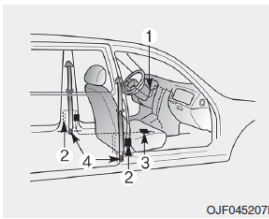
This system also tightens a loose seat belt after unfastening the seat belt.

## Seat belt precautions

### 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" in this section.

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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
- (4) Emergency fastening device (EFD)

## 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 breathed for prolonged periods.

## \* NOTICE

- Both the driver's and front passenger's seat belt pre-tensioner system 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 warning light on the instrument panel will illuminate for approximately 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 illuminate even if there is not a malfunction with the SRS air bag. If the SRS air bag warning light does not illuminate when the Engine Start/Stop button is turned ON, or if it remains illuminated after illuminating for approximately 6 seconds, or if it illuminates while the vehicle is being driven, have an authorized K900 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 K900 Kia dealer.

## WARNING - Hot pretensioner

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.

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## \* NOTICE

Small children 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 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 "Child restraint system" in this section.

### Larger children

Children who are too large for child restraint systems should always occupy the rear seat and use the available lap/shoulder belts. The lap portion should be fastened and snugged on the hips as low as 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.

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<div>1</div> <div><p><b>One person per belt</b></p><p>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.</p><p><b>Do not lie down</b></p><p>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.</p><p><b>Care of seat belts</b></p><p>Seat belt systems should never be disassembled or modified. In addition, care should be taken to assure that seat belts and belt hardware are not damaged by seat hinges, doors or other abuse.</p><div><div></div><div><p><b>WARNING - Pinched seat belt</b></p><p>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.</p></div></div></div>	<div>2</div>
<div>3</div>	<div>4</div>