

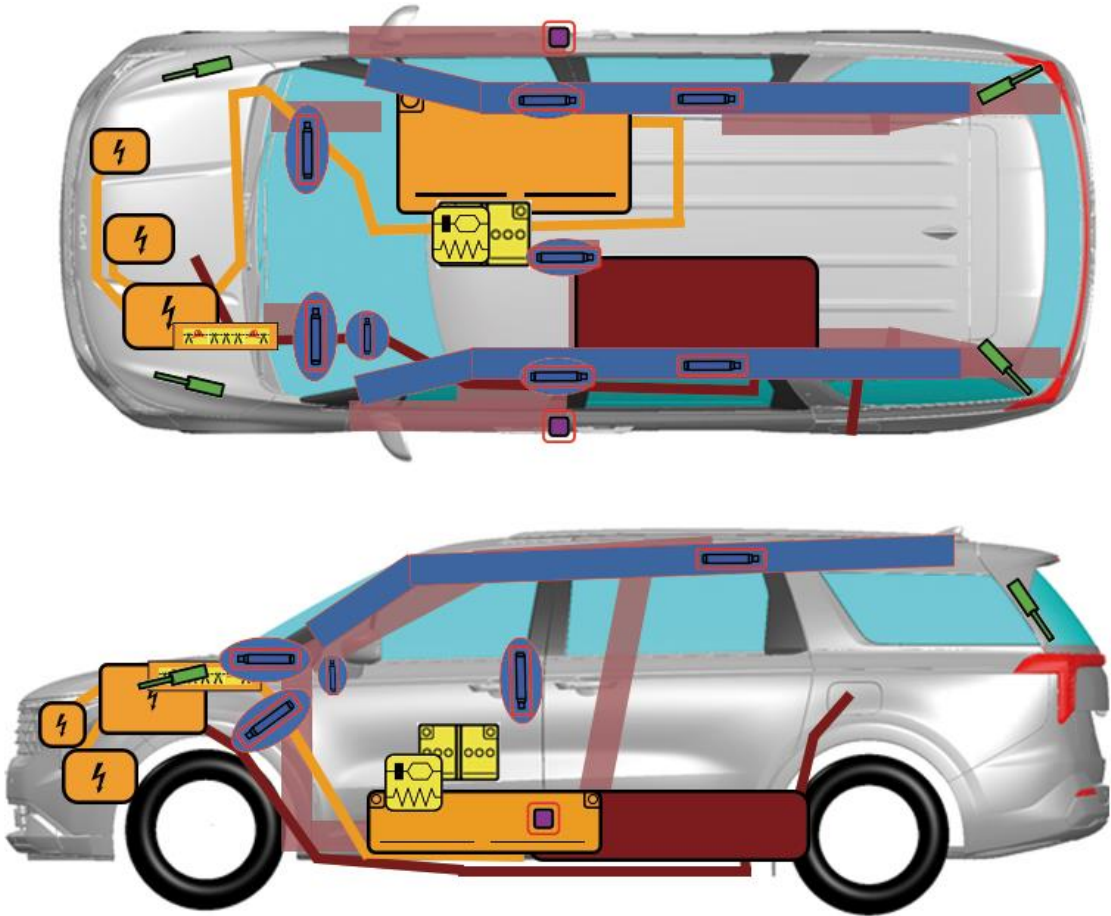


Kia Carnival HEV

Hybrid, Since 2024

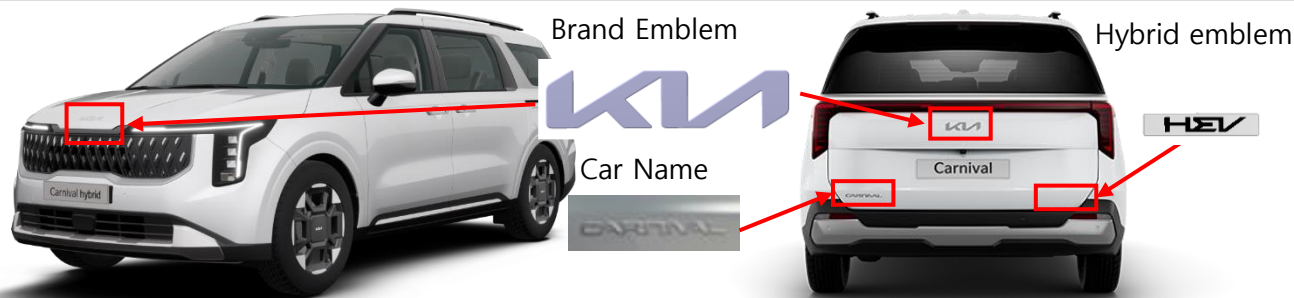


Note: The Rescue Sheet depicts a LHD vehicle (as allowed under the ISO 17840-1). All components (other than steering wheel and passenger airbag) are located in the same position in the Aust/NZ RHD model.



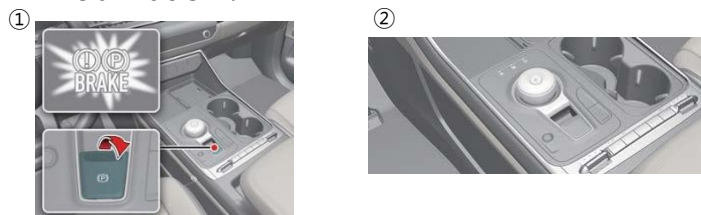
	Airbag		Stored gas inflator		Seat belt pretensioner		SRS control unit
	Battery low voltage		Ultra steel plate		Fuel tank		Fuel tank line
	Gas strut/ Preloaded spring						
	High voltage battery pack		High voltage power cable/ component		High voltage component		Cable cut

1. Identification / recognition



2. Immobilization / stabilization / lifting

Immobilization :



① Lock the wheels and pull the switch to secure the vehicle.

② For automatic transmission vehicles, shift the lever into park(P) with the pedal pressed, or press P button to enter the parking mode.

For vehicle's safety, hold wooden blocks or similar objects at the 4 spots below the front and rear body pillar.

Lifting points under the vehicle :



3. Disable direct hazards / safety regulations



In the event of an accident in which the airbag and seat belt pretensioner are activated, the high-voltage switch is automatically turned off. If it is necessary to disconnect the high-voltage switch, use the deactivation method below.



Access to the 12 V battery



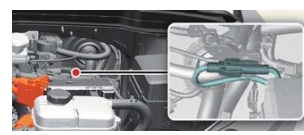
1. Pull the release lever to unlatch the hood. The hood should pop open slightly.



2. Go to the front of the vehicle, raise the hood slightly, push the secondary hood release lever (1) upside and lift the hood (2).

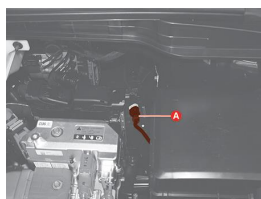


3. When the engine hood is raised to the middle, it opens completely by itself.



4. Check the battery connector because the auxiliary battery (12 V) is installed in the internal floor console.

Disabling High Pressure procedure



① Disconnect the positive (+) connector (A) of the auxiliary battery (12 V).



② Remove the engine room fuse box cover (A).



③ Disconnect the service interlock connector (A).



The high voltage service interlock connector cannot be completely removed.

4. Access to the occupants

Steering column adjustment :



Seat adjustment :

Front seat manual seat



Sliding

Reclining

Changing seat cushion height (for driver's seat)

Front seat power seat (if equipped)



Sliding

Reclining

Changing seat cushion tilt and height

Tailgate :



1. Insert a long, flat object into the opening at the bottom of the tailgate.
2. Slide the latch in the direction of the arrow to unlock the tailgate.
3. Push the tailgate to open.

Rear seat

Seatback angle (2nd, 3rd row seat)



Forward and backward (2nd row seat)

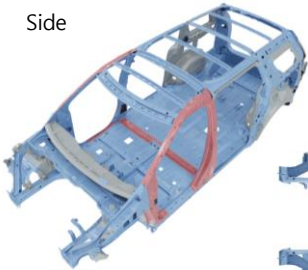
2nd row outboard seat

2nd row center seat (for 8 seats)

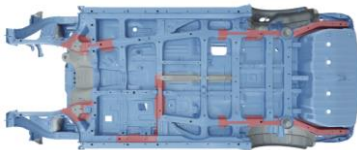
3rd row seat

Vehicle Body → Ultra steel plate

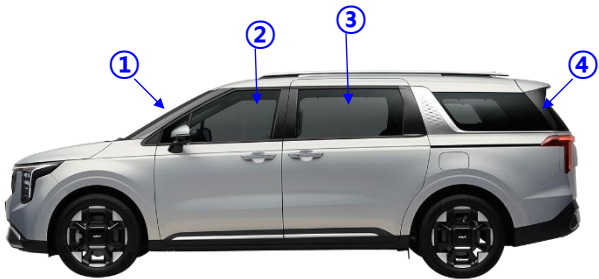
Side



Bottom



※ The red parts are ultra steel plates.



- Glass :
- ①:Laminated
 - ②:Laminated
 - ③:Tempered / Laminated
 - ④:Tempered(W/Heated)

5. Stored energy / liquids / gases / solids


	270 V		
	12 V		
	Type	Amount (g)	
	R-1234yf	770 ± 25 g	
	R-134a	800 ± 25 g	



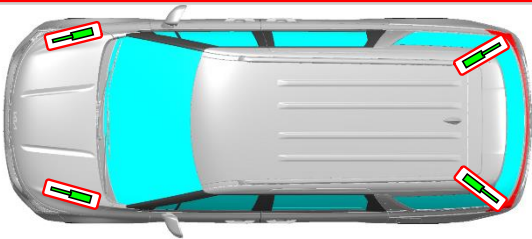
If coolant leaks from the battery pack, it is dangerous and the battery is unstable. Check battery pack temperature with thermal imaging camera.



6. In case of fire




Use large amount of water






BATTERY RE-IGNITION!






Warning Gas Strut!




Thermal firing may occur.

7. In case of submersion

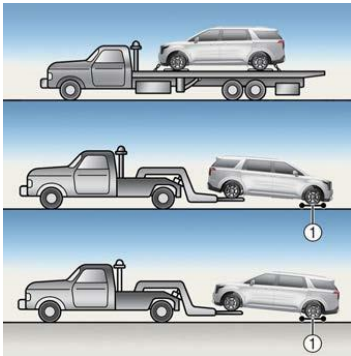


Do not touch any of the high-voltage components or cables including the high voltage cut-off switch, as doing so poses an electrocution hazard. Work on the vehicle only after the vehicle has been pulled out of the water.




8. Towing / transportation / storage

OK



(1) dolly















Not OK



Notice : Do not tow with a sling equipment (1). Do not tow with the drive wheels touching the ground. The vehicle may be damaged (2).

9. Additional key information

10. Explanation of pictograms used

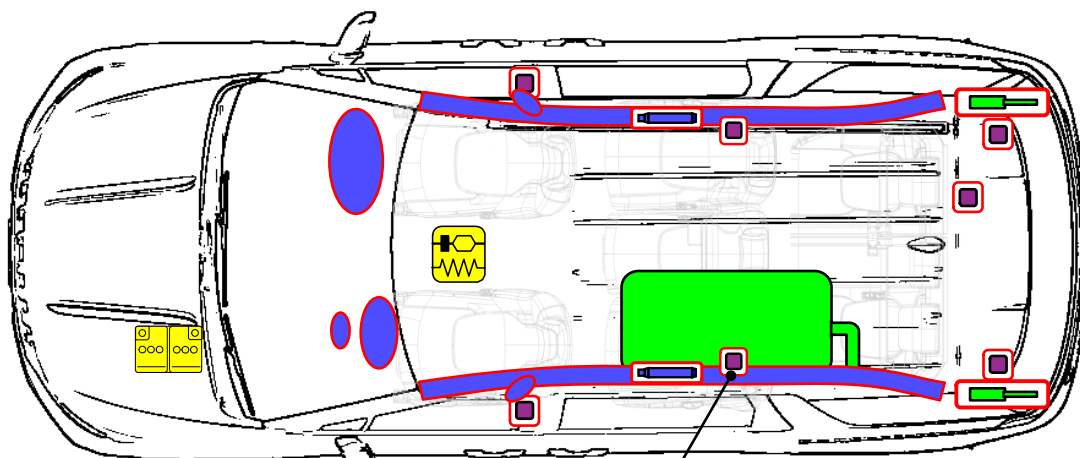
	Caution		Warning high voltage		Electric vehicle
	Air-conditioning component		Use IR Camera (thermal imaging)		Use water to extinguish the fire
	Risk of acute toxicity		Risk of corrosive material/substances		Risk of environmental pollution
	Risk of an explosion		Risk of flammability		Risk of damaging human health
	Hood		Tailgate		



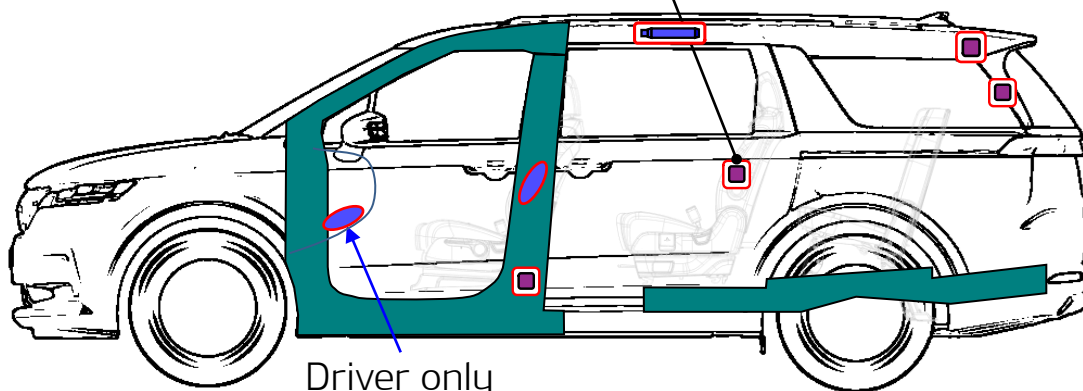
Kia Carnival

VAN, 4 doors

From October 2020



2nd row seat belt retractor (Inside the seat)



Driver only

	Airbag		Stored gas inflator		Seat belt pretensioner		SRS control unit		Pedestrian protection active system
	Automatic rollover protection system		Gas strut/Preloaded spring		High strength zone		Zone requiring special attention		
	Battery low voltage		Ultra capacitor, low voltage		Fuel tank		Gas tank		Safety valve
	High voltage battery pack		High voltage power cable/component		High voltage disconnect		Fuse box disabling high voltage system		Ultra capacitor, high voltage

ID No.

Version No.

Version date

Page

KNA-KA4-RSI-01-202010

01

10/2020

1 of 4

1. Identification / recognition



Carnival
Carnival

2. Immobilization / stabilization / lifting

■ Immobilization

1 Shift Lever



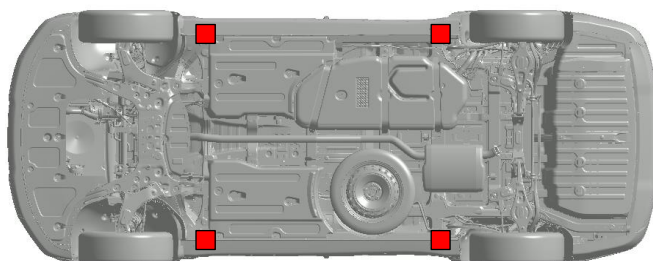
1. Move the shift lever to the P position.
2. Chock the wheels and pull the switch to set the parking brake.

2 Dial SBW (Shift-by-wire)



1. Push the P button.
2. Chock the wheels and pull the switch to set the parking brake.

■ Lifting positions at car underbody : ■



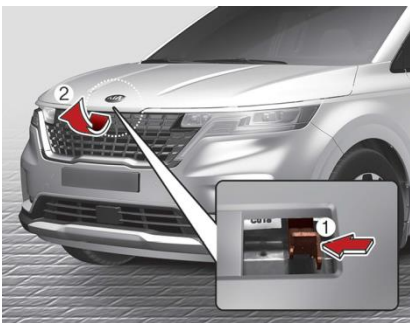
	ID No.	Version No.	Version date	Page
	KNA-KA4-RSI-01-202010	01	10/2020	2 of 4

3. Disable direct hazards / safety regulations

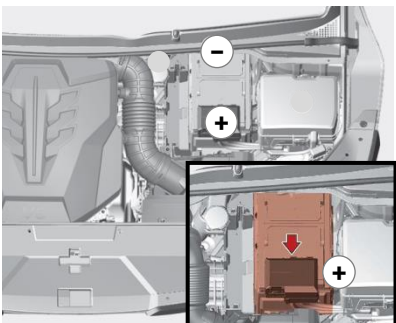
Access to the battery



1. Pull the release lever to unlatch the hood. The hood should pop open slightly.

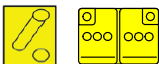


2. Go to the front of the vehicle, raise the hood slightly, push the secondary latch (1) up side and lift the hood (2).



Battery in the engine room

Disabling procedure



① Turn the ignition switch off



② Disconnect the negative(-) terminal



③ Disconnect the positive(+) terminal

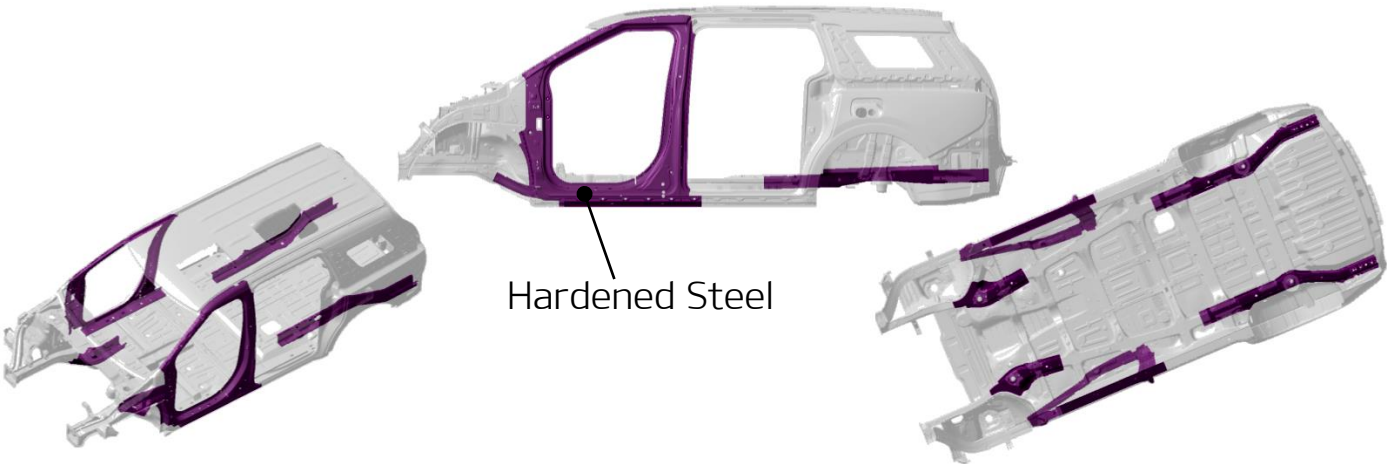
4. Access to the occupants

Glass

1 : Laminated
2-5 : Tempered



Vehicle body



5. Stored energy / liquids / gases / solids

Fuel Tank

72ℓ

Gasoline

72ℓ

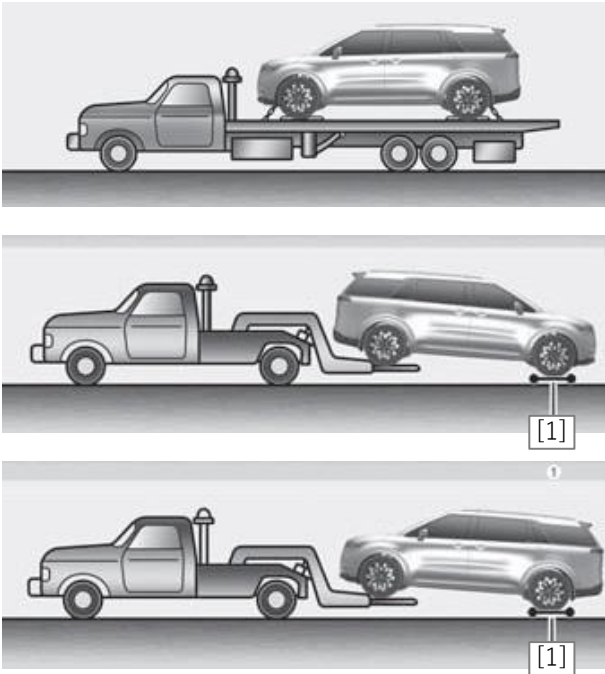
Turbo Diesel

Battery

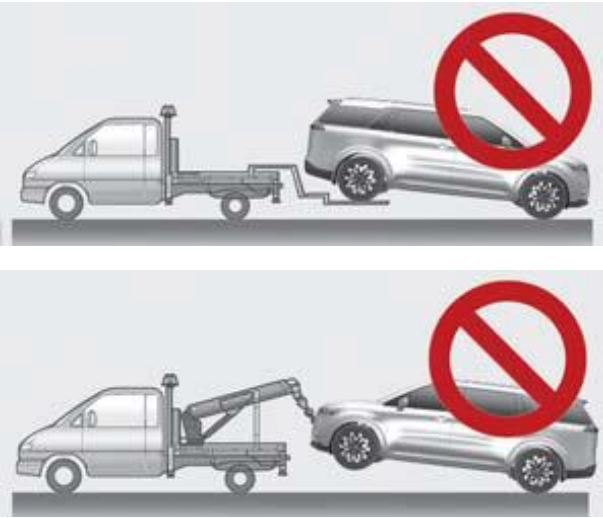
12 Volt Battery

6. Towing / transportation / storage

OK :



Not OK :



[1] : Dolly