



2023





Adult Occupant



84%

Child Occupant



88%

Vulnerable Road Users



76%



Safety Assist

83%

SPECIFICATION

Tested Model	Kia EV9 4x4, LHD				
Body Type	- 5 door SUV				
Year Of Publication	2023				
Kerb Weight	2550kg				
VIN From Which Rating Applies	- all EV9s				
Class	Large SUV				



SAFETY EQUIPMENT

	Driver	Passenger	Rear
FRONTAL CRASH PROTECTION			
Frontal airbag		•	_
Belt pretensioner		•	•
Belt loadlimiter	•	•	•
Knee airbag	×	×	_
LATERAL CRASH PROTECTION			
Side head airbag		•	•
Side chest airbag	•	•	•
Side pelvis airbag	•	•	•
Centre Airbag	•	×	_

	Driver	Passenger	Rear
CHILD PROTECTION			
lsofix/i-Size		×	•
Integrated CRS	_	×	•
Airbag cut-off switch	_	•	_
Child presence detection	_	×	•
SAFETY ASSIST			
Seat Belt Reminder	•	•	•



SAFETY EQUIPMENT (NEXT)

OTHER SYSTEMS	
Active Bonnet	×
AEB Vulnerable Road Users	•
AEB Pedestrian - Reverse	0
Cyclist Dooring Prevention	
AEB Motorcyclist	
AEB Car-to-Car	
Speed Assistance	
Lane Assist System	
Fatigue / Distraction Detection	

Note: Other equipment may be available on the vehicle but was not considered in the test year.

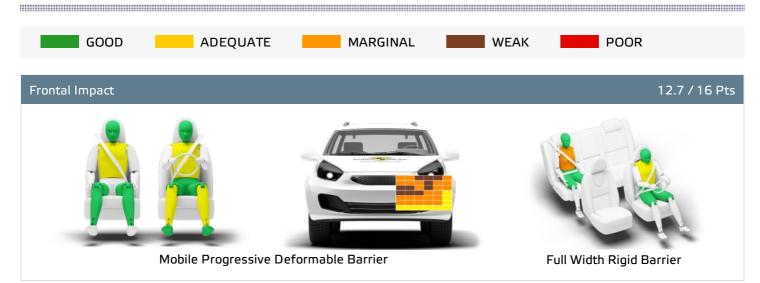
Fitted to the vehicle as standard	Fitted to the vehicle as part of the safety pack
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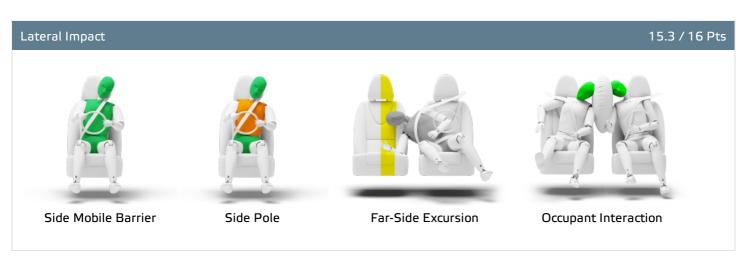
O Not fitted to the test vehicle but available as option or as part of the safety pack X Not available — Not applicable

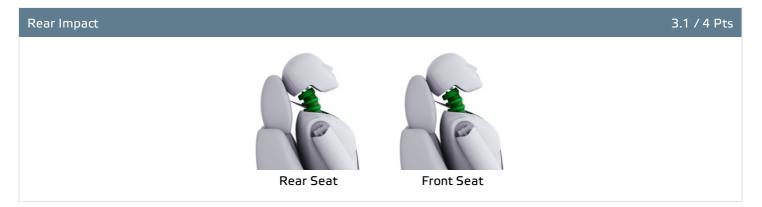




Total 33.6 Pts / 84%











Total 33.6 Pts / 84%

GOOD ADEQUATE	MARGINAL WEAK POOR
Rescue and Extrication	2.5 / 4 Pts
Rescue Sheet	Available, ISO compliant
Advanced eCall	Available
Multi Collision Brake	Available
Submergence Check	Non-compliant

Comments

The passenger compartment of the EV9 remained stable in the frontal offset test. Dummy numbers showed good protection of the knees and femurs of both the driver and passenger. Kia showed that a similar level of protection would be provided to occupants of different sizes and to those sitting in different positions. Analysis of the deceleration of the impact trolley during the test, and analysis of the deformable barrier after the test, revealed that the EV9 would be a moderately benign impact partner in a frontal collision. In the full-width rigid barrier test, protection the rear passenger's chest was rated as marginal, based on readings of compression. Otherwise, protection of all critical body areas was good or adequate for both the driver and the rear passenger. In the side barrier test, protection of all critical body areas was good and the EV9 scored maximum points in this part of the assessment. In the more severe side pole impact, dummy readings of rib compression indicated marginal chest protection. Control of excursion (the extent to which a body is thrown to the other side of the vehicle when it is hit from the far side) was adequate. The EV9 has a counter-measure to mitigate against occupant to occupant injuries in such impacts and this performed well in Euro NCAP's test. Tests on the front seats and head restraints demonstrated good protection against whiplash injuries in the event of a rear-end collision. A geometric analysis of the rear seats also indicated good whiplash protection. The EV9 has an advanced eCall system which alerts the emergency services in the event of a crash. The car also has a system which applies the brakes after an impact, to avoid secondary collisions. Kia demonstrated that if the car entered water the doors, if locked, could be opened within two minutes of power being lost but not that electric windows would remain functional long enough to allow occupants to escape.



Total 43.2 Pts / 88%



Crash Test Performance based on 6 & 10 year old children

24.0 / 24 Pts





Restraint for 6 year old child: Cybex Solution T i-Fix Restraint for 10 year old child: Graco Junior

Safety Features 7.3 / 13 Pts

	Front Passenger	2nd row outboard	2nd row center	3rd row outboard
Isofix	×	•	×	•
i-Size	×	•	×	•
Integrated CRS	×	×	×	×
Top tether	×	•	×	•
Child Presence Detection	×	•	•	•

Fitted to test car as standard

O Not on test car but available as option

🗶 Not available

CRS Installation Check 12.0 / 12 Pts

i-Size	Seat Position								
	Fro	Front 2nd row 3rd row							
		⊗ *⁄ ₂	Left	center	Right	Left	Right		
	×	×	•	×	•	•	•		

Easy

Difficult

Safety critical

X Not allowed



Airbag ON

Rearward facing restraint installation not allowed

Airbag OFF



CHILD OCCUPANT

Total 43.2 Pts / 88%

& Isofix	Seat Position						
	Fro	ont	2nd row 3rd row		d row		
		⊗ •⁄ ₂	Left	center	Right	Left	Right
	×	×	•	×	•	•	•
	×	×	•	×	•	•	•
K	×	×	•	×	•	•	•
	×	×	•	*	•	•	•
	×	×	•	×	•	•	•
	×	×	•	×	•	•	•

DifficultSafety criticalNot allowed Easy

Airbag ON Rearward facing restraint installation not allowed 👸 Airbag OFF

Seatbelt Attached	Seat Position						
	Fro	ont		2nd row		3r	d row
		⊗	Left	center	Right	Left	Right
	×	•	•	•	•	•	•
	×	•	•	•	•	•	•
	×	•	•	•	•	•	•
L	×	•	•	•	•	•	•
	×	•	•	•	•	•	•
	×	•	•	•	•	•	•

Easy

● Difficult ● Safety critical ★ Not allowed

Airbag ON Rearward facing restraint installation not allowed 2 Airbag OFF





Total 43.2 Pts / 88%

Comments

In both the frontal offset and side barrier tests, good protection was provided to all critical body areas for both child dummies, and the Kia EV9 scored maximum points in this part of the assessment. The front passenger airbag can be disabled to allow a rearward-facing child restraint to be used in that seating position. Clear information is provided to the driver regarding the status of the airbag and the system was rewarded. The EV9 is equipped with 'child presence detection', a system which issues a warning when it recognises that a child or infant has been left in the car. All of the child restraint types for which the EV9 is designed could be properly installed and accommodated in the car.



🔥 VULNERABLE ROAD USERS

Total 48.4 Pts / 76%

GOOD	ADEQUATE	MARGINAL	WEAK	POOR	

VRU Impact Protection

26.9 / 36 Pts



Pedestrian & Cyclist Head	12.1 Pts
Pelvis	1.3 Pts
Femur	4.5 Pts
Knee & Tibia	9.0 Pts

VRU Impact Mitigation

21.5 / 27 Pts

System Name	Forwards Collision-Avoidance Assist (FCA)
Туре	Auto-Brake with Forward Collision Warning
Operational From	10 km/h
PERFORMANCE	

AEB Pedestrian

5.6 / 9 Pts

Scenario	Day time	Night time
Car reversing into adult or child	_	<u> </u>
Adult crossing a road into which a car is turning		_
Adult crossing the road		
Child running from behind parked vehicles		
Adult along the roadside		

— Currently not tested

AEB Cyclist 6.8 / 8 Pts

Scenario	Day time
Approaching cyclist crossing from behind parked parked vehicles	
Turning across path of an oncoming cyclist	
Approaching a crossing cyclist	
Approaching a cyclist along the roadside	





Total 48.4 Pts / 76%

0.8 / 1 Pts

5.3 / 6 Pts

3.0 / 3 Pts

GOOD ADEQUATE MARGINAL WEAK PO	OOR

Cyclist Dooring Prevention

	Scenario	
Dooring a passing cyclist		warning"

AEB Motorcyclist

Scenario	Autobrake function only	Driver reacts to warning
Approaching a stationary motorcyclist		
Approaching a braking motorcyclist		
Turn across the path of an oncoming motorcyclist		_

- Currently not tested

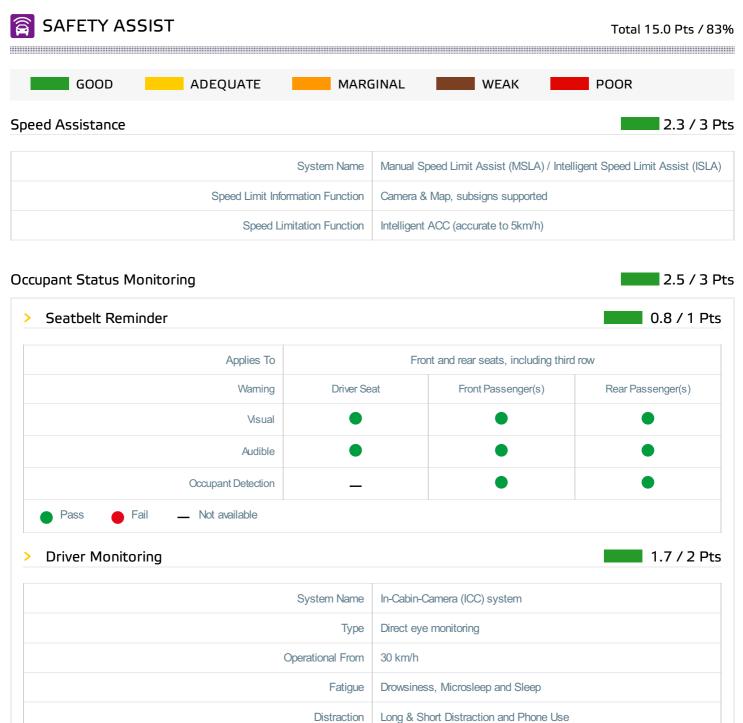
Lane Support Motorcyclist

Scenario	Day time
Changing lane across the path of an oncoming motorcyclist	
Changing lane across the path of an overtaking motorcyclist	

Comments

Protection of the head of a struck pedestrian or cyclist was predominantly good or adequate, with poor results recorded at the base of the windscreen and on the stiff windscreen pillars. Protection of the pelvis was mostly poor but that of the femur and of the knee and tibia was at good at all test locations. The autonomous emergency braking (AEB) system of the Kia can respond to vulnerable road users as well as to other vehicles. The system performed adequately in tests of its response to pedestrians. A system to protect those behind the car when it is reversing is available as an option, and was not included in this assessment. The AEB system scored highly in tests of its reaction to cyclists, including dooring, in which the car prevents or warns against door opening if a cyclist is approaching from behind. Similarly, the AEB system performed well in all tests of its response to motorcyclists.







Total 15.0 Pts / 83%

Lane Support	3.0 / 3 Pts
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System Name	Lane Keeping Assist (LKA)
Туре	LKA and ELK
Operational From	60 km/h
PERFORMANCE	
Emergency Lane Keeping	GOOD
Lane Keep Assist	GOOD
Human Machine Interface	GOOD

AEB Car-to-Car 7.3 / 9 Pts

System Name	Forward Collision-Avoidance Assist (FCA)
Туре	Autonomous emergency braking
Operational From	10 km/h
Sensor Used	camera and radar

Scenario	Autobrake function only	Driver reacts to warning
Approaching a car crossing a junction		
Approaching a car head-on		_
Turning across the path of an oncoming car		_
Approaching a stationary car		
Approaching a slower moving car		_
Approaching a braking car		_

— Currently not tested





Total 15.0 Pts / 83%

Comments

Overall, the autonomous emergency braking (AEB) system of the Kia EV9 performed well in tests of its reaction to other vehicles, including in the head-on test scenarios. A seatbelt reminder system is fitted as standard to the front and rear seats and the driver monitoring system scored well, detecting a broad range of driver distraction as well as fatigue. The lane support system gently corrects the vehicle's path if it is drifting out of lane and also intervenes in some more critical situations. The speed assistance system identifies the local speed limit, and the driver can choose to allow the limiter to be set automatically by the system.



RATING VALIDITY

Variants of Model Range

Body Type	Engine	Model Name/Code	Drivetrain	Rating Applies	
				LHD	RHD
5 door SUV	electric 160kW	EV9 RWD	4 x 2	✓	✓
5 door SUV	electric 160kW+160kW	EV9 AWD*	4 x 4	✓	✓

Annual Reviews and Facelifts

Date	Event	Outcome	
December 2023	Rating Published	2023 🖈 🖈 🖈 🛨	✓

^{*} Tested variant