

Kia Sorento

Kia Sorento 2.2 diesel GLS, LHD

2014 ★★★★★



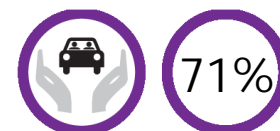
ADULT OCCUPANT



CHILD OCCUPANT



PEDESTRIAN



SAFETY ASSIST

DETAILS OF TESTED CAR

SPECIFICATIONS

Tested model	Kia Sorento 2.2 diesel GLS, LHD
Body type	5 door SUV
Year of publication	2014
Kerb weight	1843kg
VIN from which rating applies	applies to all Kia Sorentos of the specification tested

SAFETY EQUIPMENT

Frontal airbags	Driver (Single Stage), Passenger (Single Stage)
Pre-tensioners	Driver (dual), Passenger (dual)
Load-limiters	Driver, Passenger
Knee airbags	None
Side airbags	Head (front and rear), Thorax (front only)
Front head restraints	Reactive
Passenger airbag switch	Manual switch
ISOFIX anchorages	Rear outboard seats
Integrated child restraint	None
Active Pedestrian Protection	deployable bonnet, Standard
Seatbelt Reminder	Driver, Passenger, Rear
Electronic Stability Control	ESP, Standard, Manual Switch
Speed Assistance Systems	Driver-set speed limitation, Optional (meeting fitment requirements)
Lane Support	Lane Departure Warning, Optional (meeting fitment requirements)
Autonomous Braking	None, Not Available
Other	'Trailer Stability Assist (standard); 'Emergency Stop Signal' (optional)

Safety equipment is standard across the model range unless stated otherwise

ADULT OCCUPANT

Total 34 pts | 90%

CRASH TEST PERFORMANCE

FRONT OFFSET

15,6 pts



Driver



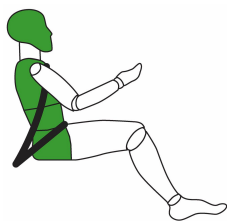
Passenger

SIDE CAR

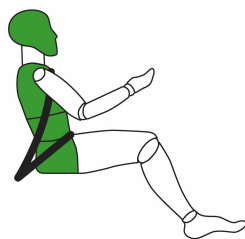
8 pts

SIDE POLE

8 pts



Side car



Side pole

FRONT OFFSET

HEAD

Driver airbag contact	stable
Passenger airbag contact	stable

CHEST

Passenger compartment	stable
Windscreen Pillar rearward	1mm
Steering wheel rearward	none
Steering wheel upward	none
Chest contact with steering wheel	none

UPPER LEGS, KNEES AND PELVIS

Stiff structures in dashboard	none
Concentrated loads on knees	none

LOWER LEGS AND FEET

Footwell Collapse	none
Rearward pedal movement	Brake - 26.32mm
Upward pedal movement	Brake - 8.57mm

SIDE

Head protection airbag	Yes
Chest protection airbag	Yes

WHIPLASH PROTECTION

FRONT, REAR SEATS

2,6 pts



Front seats



Rear seats

HEAD RESTRAINT

Seat description	Standard cloth, 6 way manual
Head restraint type	Reactive
Front geometric assessment	2 pts

TESTS

- High severity	2,6 pts
- Medium severity	2,7 pts
- Low severity	2,5 pts

AEB CITY

0 pts

System name	Not applicable
Fitment	Not available



CHILD OCCUPANT

Total 41 pts | 83%

CRASH TEST PERFORMANCE

18 MONTH OLD CHILD

Restraint Römer BabySafe + ISOFIX Base
Facing rearward facing
Installation ISOFIX and Supportleg



PERFORMANCE **12 pts**

FRONTAL IMPACT

Head forward movement protected
Head acceleration good
Chest load good

SIDE IMPACT

Head containment protected
Head acceleration good

3 YEAR OLD CHILD

Restraint Römer Duo Plus
Facing forward facing
Installation ISOFIX and TopTether



PERFORMANCE **10 pts**

FRONTAL IMPACT

Head forward movement protected
Head acceleration good
Chest load fair

SIDE IMPACT

Head containment protected
Head acceleration good

CHILD SAFETY FEATURES AND CRS INSTALLATION CHECK



Isifix

Safety features score **7 pts**
Installation check score **12 pts**

Pass Install without problem
Partial Fail Install with care
Fail Safety critical problem
Exempt Installation not allowed

	SEAT POSITION							
	FRONT		2nd ROW			3rd ROW		
	CENTER	RIGHT	LEFT	CENTER	RIGHT	LEFT	CENTER	RIGHT
Maxi Cosi Cabriofix (Seatbelt)	N/A	Pass	Pass	Pass	Pass	Pass	N/A	Pass
Römer King Plus (Seatbelt)	N/A	Pass	Pass	Pass	Pass	Pass	N/A	Pass
Römer Duo Plus (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	Exempt	N/A	Exempt
Römer KidFix (Seatbelt)	N/A	Pass	Pass	Pass	Pass	Pass	N/A	Pass
Maxi Cosi Cabriofix and EasyFix (Seatbelt)	N/A	Pass	Pass	Pass	Pass	Exempt	N/A	Exempt
Maxi Cosi Cabriofix and EasyFix (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	Exempt	N/A	Exempt
BeSafe iZi Kid X3 ISOfix (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	Exempt	N/A	Exempt
Maxi Cosi Pearl and Familyfix (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	Exempt	N/A	Exempt
Römer KidFix (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	Exempt	N/A	Exempt
Römer BabySafe + ISOFIX Base (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	Exempt	N/A	Exempt
Römer Duo Plus (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	Exempt	N/A	Exempt

SAFETY ASSIST

Total 9 pts | 71%

SPEED ASSISTANCE SYSTEM 2,3 pts

Optional (meeting fitment requirements)	
Speed Information	PASS
Speed Assistance (Manual)	Pass

ELECTRONIC STABILITY CONTROL (ESC) 3 pts

- ESP	Meets requirements
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SEATBELT REMINDER 3 pts

- driver and passenger	Pass
- rear	Pass

LANE SUPPORT SYSTEMS 1 pts

Optional (meeting fitment requirements)	
Lane Departure Warning	Meets requirements

PEDESTRIAN

Total 24 pts | 67%



HEAD	18,3 pts
PELVIS	0 pts
LEG	5,9 pts



COMMENTS

Adult occupant

The passenger compartment remained stable in the frontal impact. Dummy readings indicated good protection of the knees and femurs of the driver and passenger. KIA showed that a similar level of protection would be provided to occupants of different statures and to those sat in different positions, whose knees might contact the dashboard in different places. In the side pole test, protection of all critical body regions was rated as good and the Sorento scored maximum points. Even in the more severe side pole test, maximum points were scored, with good protection of all body areas. Tests on the front seats and head restraints indicated good protection against whiplash injuries in the event of a rear-end collision. A geometric assessment of the rear seats, including the optional third row, also indicated good whiplash protection for these seating positions.

Child occupant

Based on dummy readings in the dynamic crash tests, the Sorento scored maximum points for its protection of the 1½ year dummy, sat in a rearward-facing restraint. In the frontal impact, forward movement of the head of the 3 year dummy, sat in a forward-facing restraint, was not excessive but neck and chest forces were marginally high. In the side impact test, both dummies were properly contained within the protective shells of their restraints, minimising the likelihood of dangerous head contact with the vehicle interior. The front passenger airbag can be deactivated 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. All of the restraint types for which the car is designed could be properly installed and accommodated in the car.

Pedestrian

The bumper showed good or adequate protection to pedestrians' legs. However, the front edge of the bonnet scored no points, providing poor protection to the pelvis region. The Sorento has an active bonnet. When sensors detect that a pedestrian has been struck, actuators lift the bonnet, providing extra clearance to the stiff structures in the engine bay. Kia showed that the system operated robustly for a variety of pedestrian statures and over a broad range of speeds. Therefore, Euro NCAP's tests were performed with the bonnet in the raised (deployed) position. Tests results on the bonnet surface were predominantly good or adequate with poor results recorded only at the base of the windscreen and on the stiff windscreen pillars.

Safety assist

Electronic stability control is standard equipment on the Sorento, together with a seatbelt reminder for the front and rear seats. A lane departure warning system is an option. It is expected to be fitted to most cars sold so it was included in the assessment and met Euro NCAP's requirements. A speed assistance system combines information from digital mapping with a speed-sign recognition camera to determine the speed limit at any point whilst driving. The driver is informed and can choose to set the speed limiter appropriately. The system met Euro NCAP's requirements and was rewarded. An autonomous emergency braking system is not available for the Sorento.