

# Kia Sorento

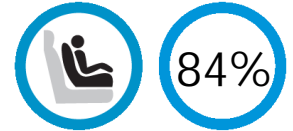
Kia Sorento 2.2 diesel GLS (EX), LHD

2009



87%

ADULT OCCUPANT



84%

CHILD OCCUPANT



44%

PEDESTRIAN



71%

SAFETY ASSIST

## ADULT OCCUPANT

Total 31 pts | 87%

### FRONTAL IMPACT

13,3 pts



Driver



Passenger

### SIDE IMPACT CAR

8 pts

### SIDE IMPACT POLE

6,5 pts



Car



Pole

### REAR IMPACT (WHIPLASH)

3,5 pts



GOOD



ADEQUATE



MARGINAL



WEAK



POOR

### FRONTAL IMPACT

#### HEAD

Driver airbag contact stable

Passenger airbag contact stable

#### CHEST

Passenger compartment stable

Windscreen Pillar rearward 9mm

Steering wheel rearward none

Steering wheel upward none

Chest contact with steering wheel none

#### UPPER LEGS, KNEES AND PELVIS

Stiff structures in dashboard yes: steering column and ignition barrel

Concentrated loads on knees none

#### LOWER LEGS AND FEET

Footwell Collapse none

Rearward pedal movement brake - 77mm

Upward pedal movement brake - 8mm

### SIDE IMPACT

Head protection airbag Yes

Chest protection airbag Yes

### WHIPLASH

Seat description Cloth, single control 4 way manual, continuous adjustment

Head restraint type Reactive

Geometric assessment 1 pts

#### TESTS

- High severity 2,6 pts

- Medium severity 2,5 pts

- Low severity 2,5 pts

## CHILD OCCUPANT

Total 41 pts | 84%

## 18 MONTH OLD CHILD

**Restraint** Fair G 0/1 ISOFIX  
**Group** 0, 0+  
**Facing** rearward  
**Installation** ISOFIX anchorages and support frame



PERFORMANCE 12 pts  
 INSTRUCTIONS 4 pts  
 INSTALLATION 2 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** Fair G 0/1 ISOFIX  
**Group** 1  
**Facing** forward  
**Installation** ISOFIX anchorages



PERFORMANCE 12 pts  
 INSTRUCTIONS 4 pts  
 INSTALLATION 2 pts

## FRONTAL IMPACT

Head forward movement protected  
 Head acceleration good  
 Chest load good

## SIDE IMPACT

Head containment protected  
 Head acceleration good

## VEHICLE BASED ASSESSMENT

5 pts

## Airbag warning Label

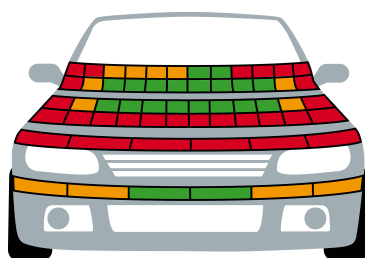
Text and pictogram warning label permanently attached to both sides of the passenger sun visor

## PEDESTRIAN

Total 16 pts | 44%

## SAFETY ASSIST

Total 5 pts | 71%



GOOD  
 MARGINAL  
 POOR

HEAD 10,2 pts  
 PELVIS 0 pts  
 LEG 5,7 pts

## SPEED LIMITATION ASSISTANCE 0 pts

- 0, not available

## ELECTRONIC STABILITY CONTROL (ESC) 3 pts

- standard

## SEATBELT REMINDER 2 pts

- driver 1 pts  
 - passenger 1 pts

## DETAILS OF TESTED CAR

### SPECIFICATIONS

Tested model	Kia Sorento 2.2 diesel GLS (EX), LHD
Body type	5 door SUV
Year of publication	2009
Kerb weight	1870kg
VIN from which rating applies	applies to all Sorentos of the specification tested

### SAFETY EQUIPMENT

Front seatbelt pretensioners	double pretensioners
Front seatbelt load limiters	
Driver frontal airbag	single stage
Front passenger frontal airbag	single stage
Side body airbags	
Side head airbags	

## COMMENTS

### Adult occupant

The passenger compartment remained stable in the frontal impact. Double pretensioners ensured that the dummies' knees were kept away from the dashboard, and low readings were recorded. However the steering column and ignition barrel were thought to present a potential risk of injury to drivers of different sizes. The chest lost a fraction of a point in the side barrier impact. In the more severe side pole test, rib deflections indicated marginal protection of the chest. Protection of the neck against whiplash injuries was good.

### Child occupant

Based on dummy readings in the frontal and side barrier tests, the Sorento scored maximum points for protection of both the 3 year old and the 1½ year old infants. The heads of both dummies were properly contained by the restraints in the side barrier impact. The passenger airbag can be deactivated to allow a rearward facing child restraint to be used in that seating position. However, information provided to the driver regarding the status of the airbag is not sufficiently clear.

### Pedestrian

The protection provided by the front edge of the bonnet to pedestrians' legs is poor. The protection offered by most of the bumper was rated as marginal, although some points towards the centre of the car performed well. In most areas likely to be struck by the head of a child, the bonnet offered poor protection. For adult, the bonnet offered good protection towards the centre but was rated as poor along the edges, where it is supported by stiff structures.

### Safety assist

Electronic stability control (ESC) is standard equipment on all Sorento variants. The car also has a standard-fit seatbelt reminder system for the driver and front seat passenger.