

# Kia Soul EV

Soul EV 81.4kW EV 'SX', LHD

2014 ★★★★★



ADULT OCCUPANT



CHILD OCCUPANT



PEDESTRIAN



SAFETY ASSIST

## DETAILS OF TESTED CAR

### SPECIFICATIONS

Tested model	Soul EV 81.4kW EV 'SX', LHD
Body type	5 door wagon
Year of publication	2014
Kerb weight	1513kg
VIN from which rating applies	applies to all Soul EV's of the specification tested

### SAFETY EQUIPMENT

Frontal airbags	Driver (Single Stage), Passenger (Single Stage)
Pre-tensioners	Driver (dual)
Load-limiters	Driver
Knee airbags	None
Side airbags	Head (front and rear), Thorax (front only)
Front head restraints	Passive
Passenger airbag switch	Manual switch
ISOFIX anchorages	Rear outboard seats
Integrated child restraint	None
Active Pedestrian Protection	None,
Seatbelt Reminder	Driver, Passenger, Rear
Electronic Stability Control	ESC, Standard, Manual Switch
Speed Assistance Systems	Driver-set speed limitation, Standard
Lane Support	Not available
Autonomous Braking	None, Not Available
Other	Not applicable

Safety equipment is standard across the model range unless stated otherwise

**ADULT OCCUPANT**

Total 32 pts | 84%

**CRASH TEST PERFORMANCE**

**FRONT OFFSET**

15,6 pts



Driver



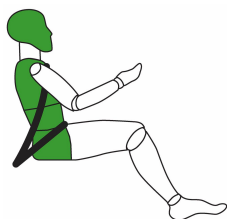
Passenger

**SIDE CAR**

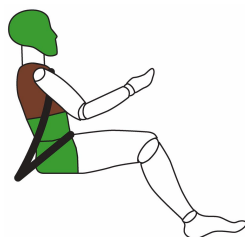
8 pts

**SIDE POLE**

6,5 pts



Side car



Side pole

**FRONT OFFSET**

**HEAD**

Driver airbag contact	stable
Passenger airbag contact	stable

**CHEST**

Passenger compartment	stable
Windscreen Pillar rearward	13mm
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 - 37mm
Upward pedal movement	Brake - 17mm

**SIDE**

Head protection airbag	Yes
Chest protection airbag	Yes

**WHIPLASH PROTECTION**

**FRONT, REAR SEATS**

2 pts



Front seats



Rear seats

**HEAD RESTRAINT**

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

**TESTS**

- High severity	2 pts
- Medium severity	2,7 pts
- Low severity	2,3 pts

**AEB CITY**

0 pts

System name	Not applicable
Fitment	Not available



## CHILD OCCUPANT

Total 40 pts | 82%

### 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 **11,4 pts**

#### FRONTAL IMPACT

**Head forward movement** protected  
**Head acceleration** good  
**Chest load** good

#### SIDE IMPACT

**Head containment** protected  
**Head acceleration** good

### CHILD SAFETY FEATURES AND CRS INSTALLATION CHECK



Isifix

**Safety features score** **5 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	N/A	N/A	N/A
Römer King Plus (Seatbelt)	N/A	Pass	Pass	Pass	Pass	N/A	N/A	N/A
Römer Duo Plus (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	N/A	N/A	N/A
Römer KidFix (Seatbelt)	N/A	Pass	Pass	Pass	Pass	N/A	N/A	N/A
Maxi Cosi Cabriofix and EasyFix (Seatbelt)	N/A	Pass	Pass	Exempt	Pass	N/A	N/A	N/A
Maxi Cosi Cabriofix and EasyFix (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	N/A	N/A	N/A
BeSafe iZi Kid X3 ISOfix (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	N/A	N/A	N/A
Maxi Cosi Pearl and Familyfix (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	N/A	N/A	N/A
Römer KidFix (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	N/A	N/A	N/A
Römer BabySafe + ISOFIX Base (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	N/A	N/A	N/A
Römer Duo Plus (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	N/A	N/A	N/A

**SAFETY ASSIST**

Total 7 pts | 56%

**SPEED ASSISTANCE SYSTEM 1,3 pts**

Standard	
Speed Information	Not applicable
Speed Assistance (Manual)	Pass

**ELECTRONIC STABILITY CONTROL (ESC) 3 pts**

- ESC	Meets requirements
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**SEATBELT REMINDER 3 pts**

- driver and passenger	Pass
- rear	Pass

**LANE SUPPORT SYSTEMS 0 pts**

Not available	0
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## PEDESTRIAN

Total 21 pts | 59%



HEAD	15,3 pts
PELVIS	0 pts
LEG	6 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 barrier test, the Soul EV scored maximum points, with good protection of all critical body areas. However, in the more severe side pole test, dummy readings of rib compression indicated weak protection for the chest area. The front seats and head restraints demonstrated good protection against whiplash injury in the event of a rear-end collision while a geometric assessment of the rear restraints indicated marginal whiplash protection.

**Child occupant**

The Soul EV scored maximum points for its protection of the 1½ year dummy in the frontal and side barrier crash tests. In the frontal impact, forward movement of the head of the 3 year dummy, sat in a forward-facing restraint, was not excessive although neck loads were marginally high. In the side impact, both dummies were properly contained within the protective shells of their restraints, minimising the likelihood of head contact with the vehicle interior. The front passenger airbag can be disabled to allow a rearward-facing 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 Soul EV.

**Pedestrian**

The protection provided by the bumper to pedestrians' legs was good at almost every test location. However, the protection provided to the pelvis by the front edge of the bonnet was poor and the Soul scored no points in this area. The protection provided by the bonnet to a pedestrian's head was predominantly good or adequate with poor results recorded only on the stiff windscreen pillars.

**Safety assist**

Electronic stability control is standard on the Soul EV, together with a seatbelt reminder system for the front and rear seating positions. A driver-set speed limitation device is an option which is expected to be fitted to most cars sold so it was included in the assessment and met Euro NCAP's requirements for systems of that type. Neither a lane assist system nor autonomous emergency braking are available on the Soul.