

Kia Picanto With Safety Pack

2017





# Adult Occupant



79%



Child Occupant

64%

## Pedestrian



54%



Safety Assist

47%

# **SPECIFICATION**

Tested Model	Kia Picanto 1.0 GLS, LHD
Safety pack	Advanced Driving Assistance Pack
Body Type	- 5 door hatchback
Year Of Publication	2017
Kerb Weight	899kg
VIN From Which Rating Applies	- all Picantos with optional safety pack
Class	Supermini

# **SAFETY EQUIPMENT**

	Driver	Passenger	Rear
FRONTAL CRASH PROTECTION			
Frontal airbag	•	•	×
Belt pretensioner	•	•	•
Belt loadlimiter	•	•	•
Knee airbag	0	×	×
SIDE CRASH PROTECTION			
Side head airbag	•	•	•
Side chest airbag	•	•	×
Side pelvis airbag	Furo	NCAP © Kia Pican	<b>X</b>



# SAFETY EQUIPMENT (NEXT)

	Driver	Passenger	Rear
CHILD PROTECTION			
Isofix	_	×	•
Integrated CRS	_	×	×
Airbag cut-off switch		•	
SAFETY ASSIST			
Seat Belt Reminder	•	•	•

OTHER SYSTEMS	
Active Bonnet (Hood)	×
AEB Pedestrian	×
AEB City	0
AEB Inter-Urban	0
Speed Assistance System	0
Lane Assist System	×

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





Passenger

Total 30.3 Pts / 79%

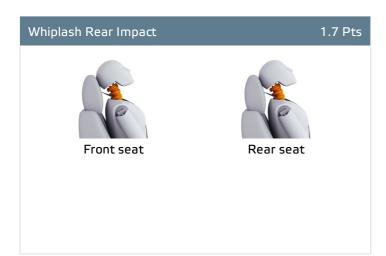
**POOR** 

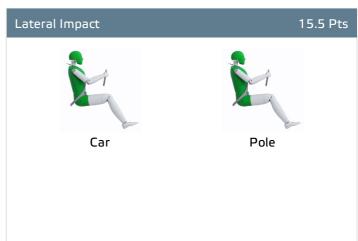


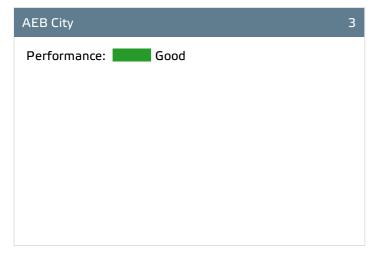
Driver



WEAK











Total 30.3 Pts / 79%

#### Comments

The passenger compartment remained stable in the frontal offset test. 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 sizes and to those sat in different positions. Protection of the driver's chest was rated as marginal, based on readings of rib compression. In the full-width rigid barrier test, high decelerations indicated weak protection of the rear passenger's head and marginal protection of the chest. Protection of the driver was good or adequate. In both the side barrier test and the more severe side pole impact, the Picanto scored maximum points with good protection of all critical body areas. Tests on the front seats and head restraints demonstrated marginal protection against whiplash injuries in the event of a rear-end collision. A geometric assessment of the rear seats also indicated marginal whiplash protection. An autonomous emergency braking system is available as part of the optional safety pack. Tests of its performance at the low speeds at which many whiplash injuries are caused showed good performance, with collisions avoided at all test speeds.



Total 31.6 Pts / 64%



## Crash Test Performance based on 6 & 10 year old children

15.3 Pts





Restraint for 6 year old child: *Römer KidFix XP*Restraint for 10 year old child: *Graco Maxi Junior* **Safety Features** 

5 Pts

	Front Passenger	2nd row outboard	2nd row center
Isofix	×	•	×
i-Size	×	•	×
Integrated CRS	×	×	×

Fitted to test car as standard

O Not on test car but available as option

🗶 Not available

#### **CRS Installation Check**

11.3 Pts

Install without problem
 Install with care
 Safety critical problem
 Installation not allowed

### i-Size CRS









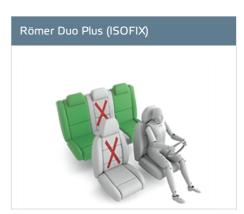


Total 31.6 Pts / 64%

#### ISOFIX CRS









#### Universal Belted CRS











Total 31.6 Pts / 64%

	Seat Position			
	Front 2nd row			
	PASSENGER	LEFT	CENTER	RIGHT
Maxi Cosi 2way Pearl & 2wayFix (rearward) (iSize)		•		•
Maxi Cosi 2way Pearl & 2wayFix (forward) (iSize)		•		•
BeSafe iZi Kid X2 i-Size (iSize)		•		•
Maxi Cosi Cabriofix & FamilyFix (ISOFIX)		•		•
BeSafe iZi Kid X4 ISOfix (ISOFIX)		•		•
Römer Duo Plus (ISOFIX)		•		•
Römer KidFix XP (ISOFIX)		•		•
Maxi Cosi Cabriofix (Belt)	•	•	•	•
Maxi Cosi Cabriofix & EasyBase2 (Belt)	•	•	×	•
Römer King II LS (Belt)	•	•	•	•
Römer KidFix XP (Belt)	•	•	•	•

Install without problem

Install with care

Safety critical problem

🗶 Installation not allowed

#### Comments

In the frontal offset test, dummy readings of neck tension indicated weak protection of this part of the body for the 10 year dummy. Chest protection for the 6 year dummy was rated as marginal. In the side barrier test, protection of the 6 year dummy was good. However, protection of the chest was poor for the 10 year dummy, sat on the struck side of the car and the head made contact with the vehicle interior. 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 rear centre seat cannot accommodate universal child restraints which make use of the seatbelt. Otherwise, restraints could be properly installed and accommodated by the car.





Total 22.8 Pts / 54%



Pedestrian Protection

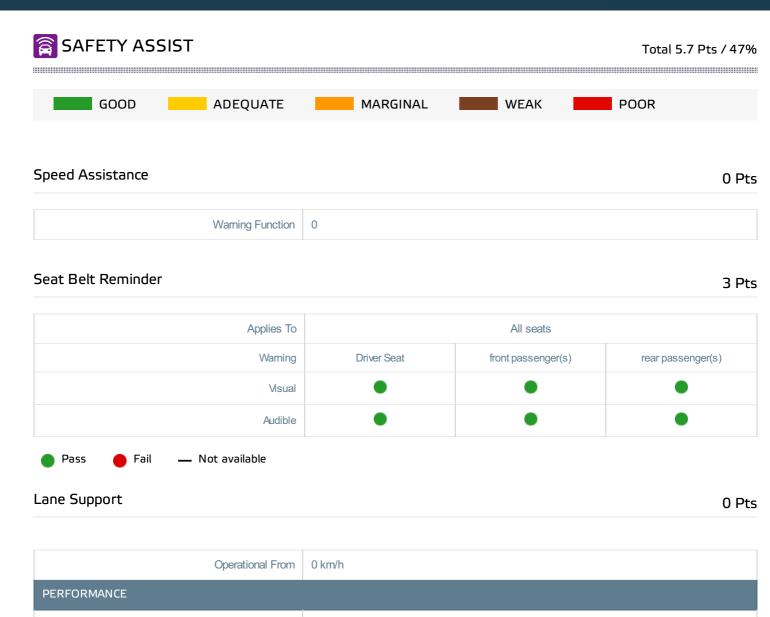
Head Impact
13.8 Pts
Pelvis Impact
3 Pts
Leg Impact
6 Pts

AEB Pedestrian 0 Pts

#### Comments

Protection of the head of a struck was predominantly marginal or weak over the bonnet surface, with poor results recorded on the stiff windscreen pillars. The bumper provided good protection to pedestrians' legs but protection of the pelvis was mixed, with good and poor test results.





LDW Confirmation Test

Fail





Total 5.7 Pts / 47%

AEB Interurban 2.7 Pts

System Name	Forward Collision Avoidance Assist System			
Туре	Forward Collision Warning with Auto-Brake			
Operational From	10 Km/h			
Additional Information	Default On			
PERFORMANCE   PE				
Operational Speed	10-160 Km/h	10-160 Km/h		
	Autobrake Function Only	Driver reacts to warning		
Approaching a stationary car	See AEB City	Crash avoided up to 60km/h. Crash speed reduced up to 70km/h.		
Approaching a slower moving car	Crash avoided up to 70km/h.	Crash avoided up to 80km/h.		
FOI	FOLLOWING A CAR AT SHORT DISTANCE			
Car in front brakes gently	Avoidance	Avoidance		
Car in front brakes harshly	Avoidance	Avoidance		
FO	LLOWING A CAR AT LONG DISTANCE			
Car in front brakes gently	Avoidance Avoidance			
Car in front brakes harshly	Avoidance	Avoidance		

## Comments

As standard, the Picanto has a seatbelt reminder for the front and rear seats. The autonomous emergency braking system is part of the optional safety pack. Tests of its performance at highway speeds indicated good performance, with collisions avoided or mitigated in most test scenarios.



# **RATING VALIDITY**

# Variants of Model Range

Body Type Engine & TransmissionDrivetrainRating Applies				
			LHD	RHD
5 door hatchback	1.0 petrol*	4 x 2	✓	✓
5 door hatchback	1.2 petrol	4 x 2	<b>✓</b>	✓
5 door hatchback	1.0 T-GDI	4 x 2	<b>✓</b>	✓

## **Annual Reviews and Facelifts**

Date Event Outcome Rating Published





<sup>\*</sup> Tested variant