



Kia Picanto
With Safety Pack

2017



Adult Occupant



87%

Child Occupant



64%

VRU Impact Protection



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

X Rating Expired

SAFETY EQUIPMENT

	Driver	Passenger	Rear
FRONTAL CRASH PROTECTION			
Frontal airbag	●	●	✘
Belt pretensioner	●	●	●
Belt loadlimiter	●	●	●
Knee airbag	○	✘	✘
SIDE CRASH PROTECTION			
Side head airbag	●	●	●
Side chest airbag	●	●	✘
Side pelvis airbag	●	●	✘
	Driver	Passenger	Rear
CHILD PROTECTION			
Isofix/i-Size	—	✘	●
Integrated CRS	—	✘	✘
Airbag cut-off switch	—	●	—
SAFETY ASSIST			
Seat Belt Reminder	●	●	●

SAFETY EQUIPMENT (NEXT)

	Driver	Passenger	Rear
CHILD PROTECTION			
Isofix/i-Size	—	✗	●
Integrated CRS	—	✗	✗
Airbag cut-off switch	—	●	—
SAFETY ASSIST			
Seat Belt Reminder	●	●	●

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

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
- Not fitted to the test vehicle but available as option or as part of the safety pack ✗ Not available — Not applicable

ADULT OCCUPANT

Total 33.3 Pts / 87%

■ GOOD
 ■ ADEQUATE
 ■ MARGINAL
 ■ WEAK
 ■ POOR

Frontal Offset Deformable Barrier 6.6 Pts

Passenger Driver

Frontal Full Width 6.5 Pts

Rear Passenger Driver

Whiplash Rear Impact 1.7 Pts

Front seat Rear seat

Lateral Impact 15.5 Pts

Car Pole

AEB City 3.0

Performance: ■ Good



ADULT OCCUPANT

Total 33.3 Pts / 87%



GOOD



ADEQUATE



MARGINAL



WEAK



POOR



ADULT OCCUPANT

Total 33.3 Pts / 87%

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. However, the car did not score points for its low-speed AEB system as the whiplash protection of the front seats was only marginal.

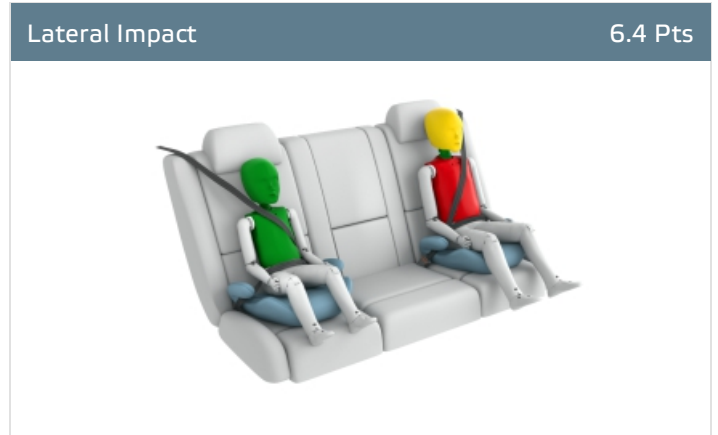
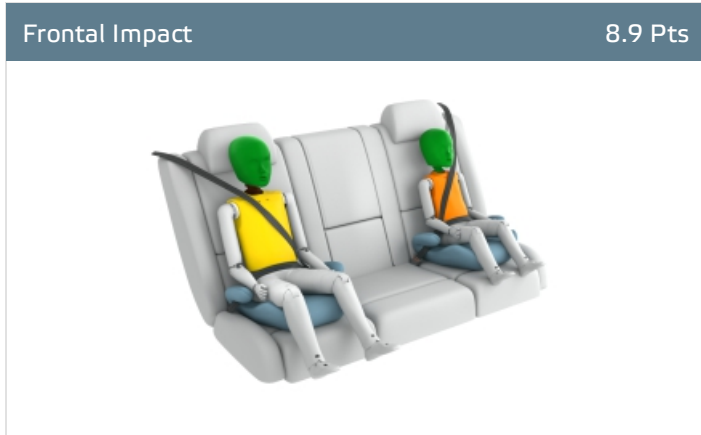
CHILD OCCUPANT

Total 31.6 Pts / 64%

■ GOOD
 ■ ADEQUATE
 ■ MARGINAL
 ■ WEAK
 ■ POOR

Crash Test Performance based on 6 & 10 year old children

15.3 Pts



Restraint for 6 year old child: *Britax Römer KidFix II XP*
 Restraint for 10 year old child: *Graco Junior III*

Safety Features

5.0 Pts

	Front Passenger	2nd row outboard	2nd row center
Isofix	✘	●	✘
i-Size	✘	●	✘
Integrated CRS	✘	✘	✘

● Fitted to test car as standard
 ○ 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



■ ISOFIX CRS



CHILD OCCUPANT

Total 31.6 Pts / 64%

- Universal Belted CRS

Maxi Cosi Cabriofix (Belt)



Maxi Cosi Cabriofix & EasyBase2 (Belt)



Britax Römer King II LS (Belt)



Britax Römer KidFix XP (Belt)



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.

CHILD OCCUPANT

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)	—	●	—	●
Britax Römer Duo Plus (ISOFIX)	—	●	—	●
Britax Römer KidFix XP (ISOFIX)	—	●	—	●
Maxi Cosi Cabriofix (Belt)	●	●	●	●
Maxi Cosi Cabriofix & EasyBase2 (Belt)	●	●	✘	●
Britax Römer King II LS (Belt)	●	●	●	●
Britax Römer KidFix XP (Belt)	●	●	●	●

● Easy ● Difficult ● Safety critical ✘ Not allowed — Not available


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.

 VRU IMPACT PROTECTION

Total 22.8 Pts / 54%

■ GOOD
 ■ ADEQUATE
 ■ MARGINAL
 ■ WEAK
 ■ POOR

VRU Impact Protection	22.8 Pts						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;">Head Impact</td> <td style="text-align: right; padding: 5px;">13.8 Pts</td> </tr> <tr> <td style="padding: 5px;">Pelvis Impact</td> <td style="text-align: right; padding: 5px;">3.0 Pts</td> </tr> <tr> <td style="padding: 5px;">Leg Impact</td> <td style="text-align: right; padding: 5px;">6.0 Pts</td> </tr> </table>	Head Impact	13.8 Pts	Pelvis Impact	3.0 Pts	Leg Impact	6.0 Pts
Head Impact	13.8 Pts						
Pelvis Impact	3.0 Pts						
Leg Impact	6.0 Pts						

AEB Pedestrian	0.0 Pts
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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.

 SAFETY ASSIST

Total 5.7 Pts / 47%

GOOD
 ADEQUATE
 MARGINAL
 WEAK
 POOR

Speed Assistance 0 Pts

Seatbelt Reminder 3.0 Pts

Applies To	All seats		
	Driver Seat	Front Passenger(s)	Rear Passenger(s)
Warning			
Visual	●	●	●
Audible	●	●	●

● Pass
 ● Fail
 — Not available

Lane Support 0 Pts

SAFETY ASSIST

Total 5.7 Pts / 47%

AEB Inter-Urban

2.7 Pts

System Name	Forward Collision Avoidance Assist System
Type	Forward Collision Warning with Auto-Brake
Operational From	10 km/h
Additional Information	Default On

PERFORMANCE |

	Autobrake Function Only	Driver reacts to warning
Operational Speed	10-160 km/h	10-160 km/h
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.
FOLLOWING A CAR AT SHORT DISTANCE		
Car in front brakes gently	Avoidance	Avoidance
Car in front brakes harshly	Avoidance	Avoidance
FOLLOWING 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 & Transmission	Drivetrain	Rating Applies	
			LHD	RHD
5 door hatchback	1.0 petrol*	4 x 2	✓	✓
5 door hatchback	1.2 petrol	4 x 2	✓	✓
5 door hatchback	1.0 T-GDI	4 x 2	✓	✓

*Tested variant

Annual Reviews and Facelifts

Date	Event	Outcome
	Rating Published	2017 ★★☆☆☆ ✓
September 2018	Annual Review	2017 ★★☆☆☆ ✓
September 2019	Annual Review	2017 ★★☆☆☆ ✓
June 2020	Facelift Review	2017 ★★☆☆☆ ✓
September 2020	Annual Review	2017 ★★☆☆☆ ✓
September 2021	Annual Review	2017 ★★☆☆☆ ✓