

ANCAP Safety Rating KIA PICANTO (2016 - onwards)



Kia Picanto

This ANCAP safety rating applies to:

Make / Model	Kia Picanto
Year Range	2016 - onwards
Variants*	All Australian & New Zealand variants
Vehicle Type	Small Car

The Kia Picanto was introduced in New Zealand in 2011 and Australia in 2016. This ANCAP safety rating applies to all variants and is based on Euro NCAP testing conducted in 2011. Dual frontal, side chest and side head airbags (curtains) are standard. In addition, a knee airbag is available as an option in NZ.

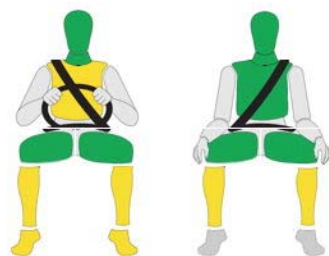
NOTE: In June 2016 ANCAP conducted a frontal offset crash test of an Australian Picanto for audit purposes. The audit test score was 12.95 points which meets the minimum 5 star eligibility criteria for this test. Audit test results for driver chest and lower leg protection rated 'Marginal' indicating a moderate risk of serious injury.

Injury Outcomes.

Frontal Offset

Driver

Passenger



Side Impact & Pole#

Driver



Whiplash Protection

Driver



Head protection only.

Test Results Summary.

Airbags	Dual Frontal, Side, Head
Frontal Offset Test	15.12 (out of 16)
Side Impact Test	14.14 (out of 16)
Pole Test	2 (out of 2)
Whiplash Protection	Acceptable
Pedestrian Protection	Marginal
ESC	Standard
Seat Belt Reminders	3.0 (out of 3)
Overall Score	34.26 (out of 37)
ANCAP Safety Rating	★★★★★
Rating Year [^]	2013

Occupant Protection.

Frontal Offset Test

Each body region is scored out of 4 points

Head / neck:	4.00 points
Chest:	3.98 points
Upper legs:	4.00 points
Lower legs:	3.14 points

The passenger compartment held its shape well in the frontal offset crash test however the clutch pedal moved excessively rearwards. All doors remained closed during the crash. After the crash the driver's door could be opened with high manual effort.

Side Impact Test

Each body region is scored out of 4 points

Head:	4.00 points
Chest:	3.14 points
Abdomen:	4.00 points
Pelvis:	4.00 points

There was a slight risk of serious chest injury. The rear door on the driver side opened during the test and 1 point was deducted.

Pole Test

Scored out of 2 points

Score:	2.00 points
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The Picanto was eligible for a pole test as it has side curtain airbags. Head protection was good in this test.

Whiplash Protection Test

Whiplash protection is assessed to the RCAR Protocol

Geometric test:	Good
Dynamic test:	Acceptable
Overall whiplash rating:	Acceptable

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Pedestrian Protection.

Pedestrian Test

Scored out of 36 points

Adult & child head impacts: 9.22 points
 Upper leg impacts: 1.54 points
 Lower leg impacts: 6.00 points

This vehicle scored 16.76 out of 36 points (Marginal). The bonnet was rated as poor or marginal in most areas likely to be struck by a pedestrian's head. Similarly, the front edge of the bonnet did not provide good protection for pedestrians' legs. Only the bumper scored maximum points, offering good protection for pedestrians in all areas tested. (Tested by Euro NCAP v5)



Score Deductions.

Deductions from frontal offset test scores

Head / neck: No deduction
 Chest: No deduction
 Upper legs: No deduction
 Lower legs: -0.16 points from foot score (excessive clutch pedal rearward movement (104mm))

Deductions from side impact test score

Overall: -1.00 point (door opened)

Deductions from pole test score

Head: No deductions

Safety Features & Technologies.

Descriptions of each of these safety features and safety assist technologies (SAT) and detail on fitting requirements for each star rating level can be found at ancap.com.au.

Safety Feature / Safety Assist Technology	Availability
Seat belts (three-point) for all forward-facing seats	S
Seat belt pretensioners (front)	S
Seat belt pretensioners (rear outboard)	X
Intelligent seat belt reminder (driver)	S
Intelligent seat belt reminder (front passenger)	S
Intelligent seat belt reminder (2 nd row seats)	S
Airbag - Front (driver)	S
Airbag - Front (passenger)	S
Airbag - Side, chest protection (front seats)	S
Airbag - Side, chest protection (2 nd row seats)	X
Airbag - Side, head protection (front seats)	S
Airbag - Side, head protection (2 nd row seats)	S
Airbag - Knee (driver)	V (NZ)
Airbag - Knee (front passenger)	X
Head restraints for all seats	S
Adaptive cruise control (ACC)	X
AEB - Interurban	X
AEB - Vulnerable road user	X
AEB (Autonomous emergency braking) - City	X
Antilock braking system (ABS)	S
Automatic headlights	E
Daytime running lights (DRL)	S
Electronic brakeforce distribution (EBD)	S
Electronic stability control (ESC)	S
Emergency brake assist (EBA)	S
Emergency stop signal	S
Hill launch assist	S
Lane support system (LSS)	X
Reversing collision avoidance	X
Speed assistance - automatic speed limiting (ISA)	X
Speed assistance - manual speed limiting	X
Speed assistance - map/speed sign recognition	X
Top speed limiter	V (NZ)
Tyre pressure monitoring system (TPMS)	X

These specifications are subject to change. Please check with the manufacturer for the latest specifications.

S = Standard on all variants.
O = Optional on base variant. May be standard on higher variants.
V = Not available on base variant but standard or optional on higher variants.
X = Not available on any variant.
E = Available in Europe / USA but not available on any Australasian variant.

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Injury Values & Measurements.

Body Region	Frontal offset test at 64 km/h (v5)		Side impact test at 50 km/h (v5)
	Driver	Passenger	Driver
Head			
HIC	352.00	263.00	35.00
Acceleration (g for 3ms)	47.80	42.20	24.40
Neck			
Shear (kN)	0.61	0.37	-
Tension (kN)	1.18	0.98	-
Extension (Nm)	30.00	14.40	-
Chest			
Acceleration (g for 3ms)	-	-	-
Compression (mm)	22.15	19.52	26.31
Viscous criterion (m/s)	0.08	0.09	0.18
Abdomen			
Force (kN)	-	-	0.98
Pelvis			
Force (kN)	-	-	1.72
Upper legs			
Femur force left (kN)	0.15	1.40	
Femur force right (kN)	0.20	0.20	
Knee displacement left (mm)	0.20	0.90	
Knee displacement right (mm)	0.00	0.00	
Lower legs			
Force left (kN)	2.56	2.64	
Force right (kN)	3.29	2.68	
Index (upper / lower) left	0.43 / 0.29	0.29 / 0.26	
Index (upper / lower) right	0.48 / 0.43	0.47 / 0.16	
Intrusion Measurements*			
Steering column			
Forward (mm)	46		
Upward (mm)	6		
Sideways (mm)	9		
Pedals			
Clutch - rearward (mm)	104		
Clutch - upward (mm)	54		
A-Pillar			
Rearward (mm)	11		

* ANCAP safety ratings do not automatically extend to variants that have different body styles, engine configurations, driven wheels or occupant restraint systems (e.g. fewer airbags). In these cases, ANCAP considers technical evidence submitted by manufacturers before deciding on extending a rating to additional variants of a model. For further information about the application of ANCAP safety ratings to model variants, see the ANCAP Variant Policy.

^ The Rating Year denotes the year requirements against which a vehicle has been assessed. The Rating Year is determined by ANCAP and may be based on the year in which a new vehicle model is first launched into the Australian and/or New Zealand markets; the year in which the vehicle was tested (if tested by Euro NCAP); or, for vehicles which hold an existing ANCAP safety rating, the year in which the rating was updated (or earlier applicable year).

Assessment Details.

Tested Make / Model	Kia Picanto 1 litre (3 cylinder)
Tested Vehicle(s) Built	2011
Tested Body Type	5 door hatch
Tested Vehicle Kerb Weight	940 kg
Tested Vehicle Engine	1.0 litre 3 cyl petrol
Tested By	Euro NCAP
Assessed By	ANCAP
Document Reference	PICANTO16
Document Created / Revised	13 April 2016 / 14 September 2016
Rating Published	April 2016
Rating Updated	September 2016



Frontal offset test at 64km/h