

ANCAP Safety Rating TOYOTA RAV4 (From 2013)



Test Variant:	AWD 2.2 diesel
Variant Applicability*:	All variants
Kerb Mass:	1680 kg
Vehicles Built:	2013
Engine:	2.2 Diesel
Category:	Medium SUV

Note: The diesel left-hand-drive European model was tested by Euro NCAP. ANCAP was provided with information which showed that the Euro NCAP results apply to all Australasian variants.



Frontal offset test at 64 km/h

Airbags	ESC	Frontal Offset	Side Impact	Pole	Whiplash	Pedestrian	Seat Belt Reminders	Overall Score	ANCAP Safety Rating
Frontal + Side + Head + Knee	Standard	13.56 (out of 16)	16.00 (out of 16)	2 (out of 2)	GOOD	ACCEPTABLE	3 (out of 3)	34.56 (out of 37)	★★★★★

The tested model of Toyota RAV4 was introduced in Australia and New Zealand in 2013. This ANCAP safety rating applies to all variants.

Dual frontal, side chest and side head airbags (curtains) and a driver knee airbag are standard. Antilock brakes (ABS), electronic brake distribution (EBD) and electronic stability control (ESC) are also standard. Advanced seat belt reminders are fitted to all seats.

In the frontal offset crash test driver head, chest and leg protection was acceptable. Passenger leg protection was acceptable. In the side impact crash test all driver injury results were good. Performance in the side pole test was good.

OCCUPANT PROTECTION

Frontal Offset Test.

Each body region is scored out of 4 points

Head / neck:	3.00 points
Chest:	3.85 points
Upper legs:	4.00 points
Lower legs:	2.71 points

The passenger compartment held its shape well in the frontal offset test. Pedal and steering wheel displacements were well controlled. The driver airbag allowed the head to contact the steering wheel lightly and a point was deducted. All doors remained closed during the crash. After the crash all doors could be opened with normal effort.

Side Impact Test.

Each body region is scored out of 4 points

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

Good protection was provided for the driver in the side impact test. The side airbags performed well.

Pole Test.

Scored out of 2 points

The vehicle was eligible for a side pole test because it has side curtain airbags. The vehicle scored the maximum 2 points for head protection in this test.

Whiplash Protection Test.

Whiplash protection is assessed to the RCAR Protocol

Geometric test:	GOOD
Dynamic test:	GOOD

Injury Outcomes.

Frontal Offset Driver



Passenger



Side Impact & Pole Driver



Whiplash



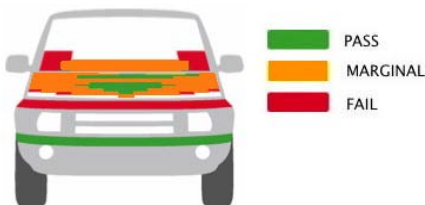
PEDESTRIAN PROTECTION

Pedestrian Test.

Scored out of 36 points

Child head impacts: 9.00 points
 Adult head impacts: 8.99 points
 Upper leg impacts: 0.00 points
 Lower leg impacts: 6.00 points

The bumper provided good protection to pedestrians' legs in all areas tested and scored maximum points. However, the front edge of the bonnet scored no points, offering poor protection to the pelvis area. The bonnet offered predominantly fair protection for the head of a struck pedestrian, with some good protection in the areas where a child's head and an adult's head might strike.



(Tested by Euro NCAP v6.0)



Toyota RAV4

SAFETY FEATURES

These specifications are subject to change. Please check with manufacturer for the latest specifications. For a description of these safety features and safety rating requirements see the ANCAP Road Map.

Safety Assist Technology (SAT)	Availability
Front airbag - driver	S
Front airbag - passenger	S
Side airbags (chest protection) - front seats	S
Side airbags (head protection) - front seats	S
Side airbags (head protection) - 2nd row seats	S
Knee airbag - driver	S
Three-point seat belts for all forward facing seats	S
Seat belt pretensioners (front / rear outboard)	S / X
Intelligent seat belt reminder - driver	S
Intelligent seat belt reminder - front passenger	S
Intelligent seat belt reminder - 2nd row seats	S
Head restraints for all seats	S
Antilock brakes (ABS)	S
Electronic brake distribution (EBD)	S
Emergency brake assist (EBA)	S
Electronic stability control (ESC)	S
Adaptive cruise control (ACC)	X
Autonomous emergency braking (AEB)	X
Lane support system	X
Adaptive front lighting	V
Automatic headlights	V
Blind spot monitoring	V

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.

INJURY MEASUREMENTS

Body Region	Frontal offset test at 64 km/h (v5.1)		Side impact test at 50 km/h (v5.1)
	Driver	Passenger	Driver
Head			
HIC	408.00	289.00	39.00
Acceleration (g for 3ms)	46.60	47.70	17.90
Neck			
Shear (kN)	0.47	0.65	-
Tension (kN)	1.39	0.81	-
Extension (Nm)	7.50	32.50	-
Chest			
Acceleration (g for 3ms)			-
Compression (mm)	23.07	17.47	9.66
Viscous criterion (m/s)	0.07	0.05	0.03
Abdomen			
Force (kN)	-	-	0.40
Pelvis			
Force (kN)	-	-	1.11
Upper legs			
Force left (kN)	1.55	1.01	
Force right (kN)	1.61	0.50	
Knee displacement left (mm)	0.20	2.96	
Knee displacement right (mm)	1.57	0.12	
Lower legs			
Force left (kN)	2.21	2.41	
Force right (kN)	3.93	1.56	
Index (upper / lower) left	0.33 / 0.23	0.27 / 0.23	
Index (upper / lower) right	0.33 / 0.41	0.30 / 0.35	

INTRUSION MEASUREMENTS

Steering Column

Forwards:	-25mm
Upwards:	0mm
Sideways:	9mm

Pedals

Brake (rearwards):	72mm
Brake (upwards):	18mm
A-Pillar (rearwards):	-2mm

SCORE DEDUCTIONS

Deductions from frontal offset test scores

Driver head contacted steering wheel through airbag: 1 point from head score.

Deductions from side impact test score

No deductions for side impact test.

Deductions from pole test score

No deductions for pole test.

* For information about the application of ANCAP ratings to model variants see the ANCAP Variant Policy. In brief, 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.

^ Refer ANCAP Rating Road Map (www.ancap.com.au/media).

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