

# Crash Test Results

## New Car Safety

### TOYOTA CAMRY

From Dec 11 Front+side+head+knee airbags



**ANCAP** Safety Rating  
Safety ★★★★★

**Occupant Protection Score 36.27 out of 37**

Variant: Altise

Eng: 2.5

Kerb mass: 1460 kg

Category: CAR - MEDIUM

Vehicles built: 2011

#### Model History and Safety Features

The tested model of Toyota Camry was introduced in Australia late in 2011. This ANCAP rating applies to all variants. A separate ANCAP rating is available for the Camry Hybrid.

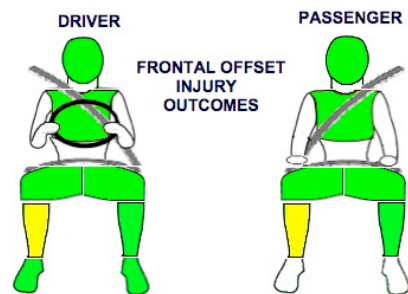
Dual front airbags, side airbags, head-protecting side curtains and knee airbags are standard equipment. Antilock brakes (ABS), electronic brake distribution (EBD) and electronic stability control (ESC) are also standard. Advanced seat belt reminders are fitted to all seats.

Pretensioners are fitted to the front seat belts to reduce slack in the event of a crash.

#### OCCUPANT PROTECTION: 5 Stars

The Camry scored 15.27 out of 16 in the offset crash test. The passenger compartment held its shape well. There was a slight risk of serious leg injury for the driver and passenger.

The vehicle scored 16 out of 16 in the side impact crash test and a further two points in the optional pole test.



#### Whiplash Protection (RCAR Protocol)



Offset crash test at 64km/h

#### FRONTAL OFFSET CRASH TEST

Body region scores out of 4 points each: Head/neck 4 pts, chest 4 pts, upper legs 4 pts, lower legs 3.27 pts.

The passenger compartment held its shape well in the offset crash test. The accelerator pedal moved rearwards by 83 mm and upwards 18 mm. The steering wheel hub moved 4mm forward, 33 mm upward and 1 mm sideways. The front ("A") pillar moved 20 mm rearwards. All doors remained closed during the crash. After the crash simple tools were needed to open driver's door.

The airbag cushioned the head of the driver and contact was stable. There were no knee hazards. The passenger's head was cushioned by the airbag.

#### SIDE IMPACT CRASH TEST

Body region scores out of 4 points each: Head 4 pts, chest 4 pts, abdomen 4 pts, pelvis 4 pts.

The vehicle was eligible for a pole impact test, since it had head-protecting side airbags. The vehicle earned the maximum two points in this test.

#### PEDESTRIAN PROTECTION: Marginal

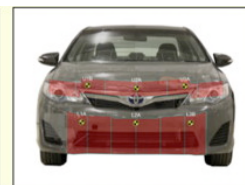
This rating is based on the ANCAP tests of the Camry Hybrid, which has equivalent pedestrian protection. Some points have been gained in the central area of the bonnet and windscreen base. All other areas provided poor protection from injury.

PEDESTRIAN PROTECTION	Child head impacts	8
<b>MARGINAL</b>	Adult head impacts	4
	Upper leg impacts	Zero
	Lower leg impacts	Zero
	Total (out of 36)	12

v5.3



Child and adult head impact



Adult leg impact (upper and full legforms)

pass marginal fail



**ANCAP**

Crash testing for safety

AUSTRALASIAN  
NEW CAR ASSESSMENT  
PROGRAM

[www.ancap.com.au](http://www.ancap.com.au)

**JANUARY 2012**

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camry12.doc Rated:2011

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# TECHNICAL DATA - TOYOTA CAMRY - From December 2011

## INJURY MEASUREMENTS

Body region	Offset Crash Test at 64km/h (v5.1)		Side Impact Crash Test at 50km/h (v5.1)
	Driver	Passenger	Driver
<b>Head HIC</b>	291	144	28
Acceleration (g for 3ms)	48.4	33.2	21.2
<b>Neck - Shear (kN)</b>	0.55	0.75	-
Tension (kN)	1.93	0.73	-
Extension (Nm)	37.0	27.1	-
<b>Chest Accln (g for 3ms)</b>	41.30	34.90	-
Compression (mm)	18.30	18.60	14.30
Viscous criterion (m/s)	0.07	0.06	0.04
<b>Abdomen - Force (kN)</b>	-	-	0.640
<b>Pelvis - Force (kN)</b>	-	-	1.750
<b>Upper legs Force (kN)</b>			
Left	1.33	0.81	
Right	1.43	1.81	
Knee displ (mm)			
Left	2.70	2.03	
Right	1.64	0.88	
<b>Lower legs Force (kN)</b>			
Left	1.96	1.76	
Right	2.20	3.10	
Index (Upper/Low)			
Left	0.24 /0.30	0.25 /0.24	
Right	0.26 /0.41	0.45/0.35	

### Bonus points (maximum 5)

Pole Test: 2 pts

Seat belt reminders: 3 (see table below for details)

### Modifiers - deductions from offset test scores

Head	No deduction
Chest	No deduction
Upper leg	No deduction
Lower leg	No deduction
Foot score	Score 4 points

Note: Steering column and pedal movements are measured relative to the driver's seat.

### Modifiers - deductions from side impact test scores

Chest	No deduction
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### Safety features

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

Driver airbag	S	Antilock (ABS) brakes / Electronic brake distribution / Brake Assist	S/S/S
Passenger front airbag	S	Electronic stability control (ESC, VSC, DSC, ESP, VSA)	S#
Side airbags, front seats - chest protection	S	3 point seat belt for all forward-facing seats	S
Side airbags, front seats - head protection	S	Whiplash rating (RCAR protocol)	Acceptable
Side airbags, rear seats - head protection	S	Intelligent seat belt reminder - driver	S
Driver knee airbag	S	Intelligent seat belt reminder - front passenger	S
Seat belt pretensioners (Front/rear outboard)	S/X	Intelligent seat belt reminder - rear seats	S

Key:

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

# ESC required by ANCAP for 5 star rating from 2008



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