

# ANCAP Safety Rating

## TOYOTA PRADO (August 2013 - onwards)



Toyota Prado

### This ANCAP safety rating applies to:

Make / Model	Toyota Prado
Year Range	August 2013 - onwards
Variant(s)*	All variants
Vehicle Type	Large SUV

The tested model of Toyota Prado was introduced in Australia and New Zealand in 2009. This ANCAP safety rating applies to all variants built from August 2013, including updated models built from August 2017 and on sale from November 2017.

Dual frontal, side chest and side head-protecting airbags (curtains) and a driver knee airbag are standard. Autonomous emergency braking (AEB) and lane support systems (LSS) are standard on Prado models built from August 2017 with an automatic transmission. A full list of safety features and technologies can be viewed within the *Safety Features & Technologies* table on page 2 of this report.

### Injury Outcomes.

#### Frontal Offset



#### Side Impact & Pole#



#### Whiplash Protection

Driver  
[NOT TESTED]



# Head protection only.

### Test Results Summary.

Airbags	Dual Frontal, Side, Head, Knee
Frontal Offset Test	15.11 (out of 16)
Side Impact Test	16.00 (out of 16)
Pole Test	2.00 (out of 2)
Whiplash Protection	[Not Tested]
Pedestrian Protection	Marginal
ESC	Standard
Seat Belt Reminders	2.00 (out of 3)
Overall Score	35.11 (out of 37)
ANCAP Safety Rating	★★★★★
Rating Year <sup>^</sup>	2011

### Occupant Protection.

#### Frontal Offset Test

Each body region is scored out of 4 points

Head / neck:	4.00 points
Chest:	4.00 points
Upper legs:	4.00 points
Lower legs:	3.11 points

The passenger compartment held its shape well in the frontal offset test. Pedal and steering wheel displacements were well controlled. Driver and passenger contact with the airbags was stable. 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

The side impact test normally used by ANCAP simulates a small car striking the driver's door of the test vehicle. Experience shows that large vehicles like the Prado can be expected to perform well in this test. ANCAP has adopted a policy of awarding these types of vehicles a default score of 16 points (out of 16).

#### Pole Test

Scored out of 2 points

Score:	2.00 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  
[NOT TESTED]

# ANCAP Safety Rating

## TOYOTA PRADO (August 2013 - onwards)



### Pedestrian Protection.

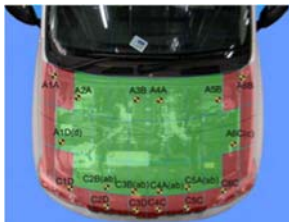
#### Pedestrian Test

Scored out of 36 points

Adult & child head impacts: 13.00 points  
 Upper leg impacts: 0.00 points  
 Lower leg impacts: 0.00 points

This vehicle scored 13.00 out of 36 points (Marginal). There was good protection for the offered to head impact in the centre of the bonnet. Poor protection was offered at the sides of the bonnet, the bumper and leading edge of this vehicle. (v5)

#### Child and adult head impact



#### Adult leg impact (upper and full legforms)



### Score Deductions.

#### Deductions from frontal offset test scores

Head / neck: No deductions  
 Chest: No deductions  
 Upper legs: No deductions  
 Lower legs: No deductions  
 Overall: No deductions

#### Deductions from side impact test score

Head / neck: No deductions  
 Chest: No deductions  
 Abdomen: No deductions  
 Pelvis: No deductions  
 Overall: No deductions

#### Deductions from pole test score

Head: No deductions

### Other.

Independent assessment has shown that the 2009 ANCAP safety rating of this vehicle only is retained when fitted with the Toyota Prado alloy bullbar with the following part numbers:

- PZQ2960630
- PZQ2960620
- PZQ2960660
- PZQ2960665
- PZQ2960670
- PZQ2960675

### 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](http://ancap.com.au).

Safety Feature / Safety Assist Technology	Availability (Aug 13-Nov 17)	Availability (Nov 17-onwards)
Seat belts (three-point, lap/sash) for all forward-facing seats	S	S
Seat belt pretensioners (front)	S	S
Seat belt pretensioners (rear outboard)	X	X
Intelligent seat belt reminder (driver)	S	S
Intelligent seat belt reminder (front passenger)	S	S
Intelligent seat belt reminder (2 <sup>nd</sup> row seats)	X	X
Intelligent seat belt reminder (3 <sup>rd</sup> row seats)	X	X
Airbag - Frontal (driver)	S	S
Airbag - Frontal (passenger)	S	S
Airbag - Side, chest protection (front seats)	S	S
Airbag - Side, chest protection (2 <sup>nd</sup> row seats)	X	X
Airbag - Side, head protection (front seats)	S	S
Airbag - Side, head protection (2 <sup>nd</sup> row seats)	S	S
Airbag - Side, head protection (3 <sup>rd</sup> row seats)	S	S
Airbag - Knee (driver)	S	S
Airbag - Knee (front passenger)	X	X
Head restraints for all seats	S	S
Adaptive cruise control (ACC)	V	O*
Adaptive front lighting systems	X	X
Antilock braking system (ABS)	S	S
Autonomous emergency braking (AEB)		
- City	V	V
- Interurban	V	V
- VRU	X	X
Automatic headlights	S	S
Automatic high beam	V	O*
Blind spot monitoring (BSM)	V	V
Electronic brakeforce distribution (EBD)	S	S
Electronic stability control (ESC)	S	S
Emergency brake assist (EBA)	S	S
Emergency stop signal (ESS)	S	S
Following distance warning	X	X
Lane departure warning (LDW)	V	O*
Lane keep assist (LKA)	X	X
Daytime running lights (DRL)	V	S
Hill launch assist	O*	O*
Reversing collision avoidance	S	S
Speed assistance - automatic / intelligent speed limiting (ISA)	X	X
Speed assistance - manual speed limiting	X	X
Speed assistance - speed sign recognition	X	X
Tyre pressure monitoring system (TPMS)	X	X

**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 but not available on any Australasian variant.

\* = Standard on vehicles with an automatic transmission. Not available with manual transmission.

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

# ANCAP Safety Rating

## TOYOTA PRADO (August 2013 - onwards)



### Injury Values & Measurements.

Body Region	Frontal offset test at 64 km/h (v)		Side impact test at 50 km/h (v)	
	Driver	Passenger	Driver	
<b>Head</b>				
HIC	240.00	233.00	HIGH-SEAT VEHICLE DEFAULT SCORE AWARDED	
Acceleration (g for 3ms)	38.30	37.80		
<b>Neck</b>				
Shear (kN)	0.49	-0.50		
Tension (kN)	1.24	0.88		
Extension (Nm)	17.00	14.20		
<b>Chest</b>				
Acceleration (g for 3ms)	-	-		
Compression (mm)	19.80	21.40		
Viscous criterion (m/s)	0.04	0.05		
<b>Abdomen</b>				
Force (kN)	-	-		
<b>Pelvis</b>				
Force (kN)	-	-		
<b>Upper legs</b>				
Femur force left (kN)	1.57	0.33		
Femur force right (kN)	1.17	0.70		
Knee displacement left (mm)	1.74	2.70		
Knee displacement right (mm)	1.86	0.94		
<b>Lower legs</b>				
Force left (kN)	1.65	1.24		
Force right (kN)	3.21	1.53		
Index (upper / lower) left	0.28 / 0.42	0.30 / 0.27		
Index (upper / lower) right	0.53 / 0.60	0.25 / 0.47		
<b>Intrusion Measurements*</b>				
<b>Steering column</b>				
Forward (mm)	43			
Upward (mm)	-30			
Sideways (mm)	5			
<b>Pedals</b>				
clutch - rearward (mm)	85			
clutch - upward (mm)	30			
<b>A-Pillar</b>				
Rearward (mm)	10			

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

\* **Model Variants:** 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.

^ **Rating Year:** 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	Toyota Prado
Tested Vehicle(s) Built	2009
Tested Body Type	Wagon
Tested Vehicle Kerb Weight	2280 kg
Tested Vehicle Engine	3 litre diesel 4x4
Tested By	ANCAP
Assessed By	ANCAP
Document Reference	PRADO17
Document Created	6 May 2014
Rating Published	May 2014
Rating Updated	November 2017 / April 2018



Frontal offset test at 64km/h