

ANCAP Safety Rating: TOYOTA LANDCRUISER (August 2015 - onwards)



ANCAP

Safety ★★★★★



Frontal offset test at 64km/h

This ANCAP safety rating applies to:

Make / Model	Toyota LandCruiser 200 Series
Year Range	August 2015 - onwards
Variant(s)*	All LC200 variants
Vehicle Type	Large SUV

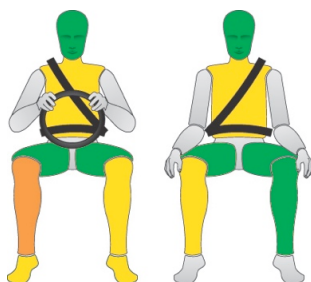
The updated 200 Series Toyota LandCruiser was introduced in Australia and New Zealand in October 2015. This ANCAP safety rating applies to all variants built from August 2015.

Dual frontal, side chest and side head airbags (curtains) are standard. Dual knee airbags became standard on all variants from 2013. Antilock brakes (ABS), electronic brake distribution (EBD) and electronic stability control (ESC) are also standard. Advanced seat belt reminders are fitted to both front seats.

Injury Outcomes.

Frontal Offset

Driver Passenger



Side Impact & Pole*

Driver



Whiplash Protection

Driver



GOOD	GOOD
ACCEPTABLE	ACCEPTABLE
MARGINAL	MARGINAL
POOR	POOR

* Head protection only.

Test Results Summary.

Airbags	Dual Frontal, Side, Head, Knee
Frontal Offset Test	13.09 (out of 16)
Side Impact Test	16.00 (out of 16)
Pole Test	2 (out of 2)
Whiplash Protection	Marginal
Pedestrian Protection	Marginal
ESC	Standard
Seat Belt Reminders	2.0 (out of 3)
Overall Score	33.09 (out of 37)
ANCAP Safety Rating	★★★★★
Rating Year[^]	2011

Occupant Protection.

Frontal Offset Test

Each body region is scored out of 4 points

Head / neck:	4.00 points
Chest:	2.91 points
Upper legs:	4.00 points
Lower legs:	2.18 points

The passenger compartment held its shape well in the 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 LandCruiser 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
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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:	Marginal
Overall whiplash rating:	Marginal

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Pedestrian Protection.

Pedestrian Test

Scored out of 36 points

Adult & child head impacts: 11.61 points

Upper leg impacts: 0.00 points

Lower leg impacts: 0.00 points

The vehicle scored 11.61 out of 36 points (Marginal). Some points have been gained in the central area of the bonnet. The bumper and bonnet leading edge performed poorly for leg testing. (v5.3)



Score Deductions.

Deductions from frontal offset test scores

Head / neck: No deduction

Chest: No deduction

Upper legs: No deduction

Lower legs: No deduction

Deductions from side impact test score

No deductions (default score for high-seat vehicle).

Deductions from pole test score

Head: No deductions.

Other.

Independent assessment has shown that the 2011 ANCAP Safety Rating of this vehicle only is retained when the following Toyota Genuine Accessories are fitted:

LC200 Steel Bullbar Part No.:

- High Grade - PZQ2960645
- Low Grade - PZQ2960640

LC200 Alloy Bullbar Part No.:

- High Grade - PZQ2960655
- Low Grade - PZQ2960650

The fitting of rigid metal bullbars may increase the serious injury risk for struck pedestrians, compared to vehicles without the bullbar fitted.

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)	S
Intelligent seat belt reminder (driver)	S
Intelligent seat belt reminder (front passenger)	S
Intelligent seat belt reminder (rear seats)	X
Airbag - Front (driver)	S
Airbag - Front (passenger)	S
Airbag - Side, chest protection (front seats)	S
Airbag - Side, chest protection (2 nd row seats)	V
Airbag - Side, head protection (front seats)	S
Airbag - Side, head protection (2 nd row seats)	S
Airbag - Side, head protection (3 rd row seats)	S
Airbag - Knee (driver)	S
Airbag - Knee (front passenger)	S
Head restraints for all seats	S
Adaptive cruise control (ACC)	V
Antilock braking system (ABS)	S
Automatic headlights	V
Autonomous emergency braking (AEB)	V
Daytime running lights (DRL)	V
Electronic brakeforce distribution (EBD)	S
Electronic stability control (ESC)	S
Emergency brake assist (EBA)	S
Hill launch assist	S
Lane support system (LSS)	V
Reversing collision avoidance	V

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 (v5.1)		Side impact test at 50 km/h (v5.1)	
	Driver	Passenger	Driver	
Head				
HIC	373.00	188.00	HIGH-SEAT VEHICLE DEFAULT SCORE AWARDED	
Acceleration (g for 3ms)	50.10	33.00		
Neck				
Shear (kN)	0.54	0.79		
Tension (kN)	1.83	1.20		
Extension (Nm)	16.60	9.40		
Chest				
Acceleration (g for 3ms)	-	-		
Compression (mm)	29.60	22.80		
Viscous criterion (m/s)	0.13	0.08		
Abdomen				
Force (kN)	-	-		
Pelvis				
Force (kN)	-	-		
Upper legs				
Femur force left (kN)	1.09	1.37		
Femur force right (kN)	2.01	1.27		
Knee displacement left (mm)	2.39	5.20		
Knee displacement right (mm)	4.04	3.47		
Lower legs				
Force left (kN)	2.52	1.62		
Force right (kN)	2.24	2.38		
Index (upper / lower) left	0.43 / 0.30	0.39 / 0.35		
Index (upper / lower) right	0.39 / 0.81	0.32 / 0.28		
Intrusion Measurements ⁺				
Steering column				
Forward (mm)	-1			
Upward (mm)	11			
Sideways (mm)	8			
Pedals				
Brake - rearward (mm)	98			
Accelerator - upward (mm)	12			
A-Pillar				
Rearward (mm)	-3			

* 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	LandCruiser 200 Series Sahara
Tested Vehicle(s) Built	2012
Tested Body Type	SUV
Tested Vehicle Kerb Weight	2710 kg
Tested Vehicle Engine	4.6 litre petrol V8
Tested By	ANCAP
Assessed By	ANCAP
Document created/revised	20 October 2015
Document Reference	LANDCRUISER15
Rating Published	October 2015
Rating Updated	N/A

