

Crash Test Results

New Car Safety

TOYOTA LANDCRUISER 70 SERIES

2007 on

Dual front airbags



ANCAP
Rated ★★★★★

Occupant Protection

Occupant Protection Score 22.88 out of 37
 Variant: Workmate C/C Eng: 4.5 V8 diesel
 Kerb mass: 2320 kg Category: Utility
 Vehicles built: 2010

Model History and Safety Features

The tested model of Toyota Landcruiser 70 Series cab/chassis with the 4.5 litre V8 engine was introduced in Australia during 2007. *This rating only applies to models fitted with dual airbags.*

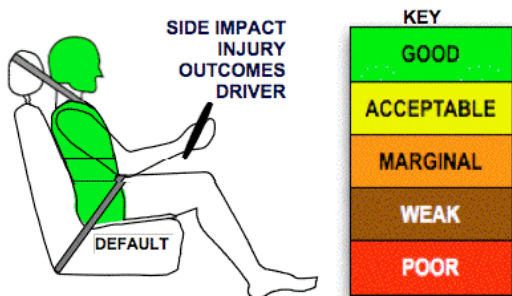
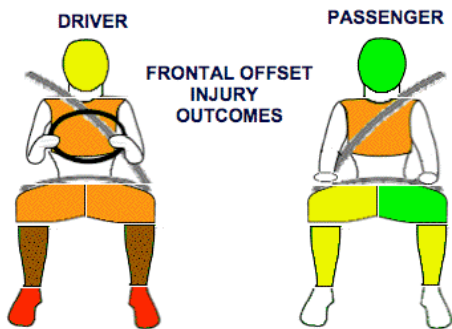
This model has minimal safety features. Dual front airbags became standard in 2009. A 2-point seat belt is fitted to the centre front seat. This provides inferior protection compared with a 3-point (lap/sash) seat belt. This seating position also lacks the protection of an airbag.

There are no top tether anchorages for child restraints so this vehicle is unsuitable for transporting children under the age of four.

OCCUPANT PROTECTION: 3 Stars

The Landcruiser cab/chassis scored 6.88 out of 16 in the offset crash test. The passenger compartment lost structural integrity. Protection from serious leg injury was poor for the driver. Chest protection was marginal for the driver and passenger.

The vehicle was awarded a default score of 16 out of 16 in the side impact crash test.



Offset crash test at 64km/h

FRONTAL OFFSET CRASH TEST

Body region scores out of 4 points each: Head/neck 3 pts, chest 1.88 pts, upper legs 2 pts, lower legs zero pts.

The passenger compartment lost structural integrity in the offset crash test. There was severe footwell deformation and rupture. The accelerator pedal moved rearwards by 246 mm and upwards 128 mm. The steering wheel hub moved 31 mm rearward, 103 mm upward and 24 mm sideways. The front ("A") pillar moved 109 mm rearwards. All doors remained closed during the crash. After the crash tools were required to open the driver door. The tailshaft contacted the fuel tank shield but the tank was undamaged.

The airbag cushioned the head of the driver and contact was stable. Steering column components were a potential source of injury for the driver's knees. The passenger's head was cushioned by the airbag. The centre console was a potential knee hazard.

SIDE IMPACT CRASH TEST

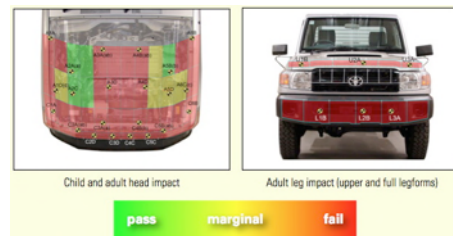
Body region scores out of 4 points each: Head 4 pts, chest 4 pts, abdomen 4 pts, pelvis 4 pts.

The side impact test normally used by ANCAP simulates a small car striking the driver's door of the vehicle under test. It is based on a regulation test but the regulation does not apply to vehicles with a high seat height. Experience shows that such vehicles can be expected to perform well in this test so ANCAP has decided to award full score for these vehicles instead of conducting a crash test.

PEDESTRIAN PROTECTION: Poor

A poor result. Some points have been gained in the adult head test area. Poor scores were obtained in all other areas.

PEDESTRIAN PROTECTION		Child head impacts	Zero
v5	POOR	Adult head impacts	3.84
		Upper leg impacts	Zero
		Lower leg impacts	Zero
		Total (out of 36)	3.84



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ANCAP
 Crash testing for safety
 AUSTRALASIAN
 NEW CAR ASSESSMENT
 PROGRAM

www.ancap.com.au

TECHNICAL DATA - TOYOTA LANDCRUISER CAB/C - 2007 on (dual airbags)

INJURY MEASUREMENTS

Body region	Offset Crash Test at 64km/h (v4.1)		Side Impact Crash Test at 50km/h (v)
	Driver	Passenger	Driver
Head HIC	228	284	Default score awarded
Acceleration (g for 3ms)	38.9	38.1	
Neck - Shear (kN)	0.50	0.51	
Tension (kN)	1.44	1.48	
Extension (Nm)	23.2	18.0	
Chest Accln (g for 3ms)	36.60	35.60	
Compression (mm)	28.56	32.20	
Viscous criterion (m/s)	0.11	0.13	
Abdomen - Force (kN)	-	-	
Pelvis - Force (kN)	-	-	
Upper legs Force (kN)			
Left	1.36	1.26	
Right	2.06	2.23	
Knee displ (mm)			
Left	0.31	1.66	
Right	1.44	5.40	
Lower legs Force (kN)			
Left	2.37	3.23	
Right	2.12	2.23	
Index (Upper/Low)			
Left	0.42 /1.00	0.20 /0.28	
Right	0.35 /0.98	0.41/0.39	

Bonus points (maximum 5)

Pole Test: Not eligible

Seat belt reminders: None

Modifiers - deductions from offset test scores

Head	Steer col displacement	1pt deduction
Chest	Loss of structure and a-pillar displac.	1.18pt deduction
Upper leg	Variable & conc. loading	2pt deduction driver L & R
	Variable loading	1pt passenger R
Lower leg	Pedal upward displacement	1pt deduction
Foot score	Pedal rearward displacement	Score zero points

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

Modifiers - deductions from side impact test scores

Default score awarded

Safety features

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



Feature	Standard	Additional Features	Notes
Driver airbag	S	Antilock (ABS) brakes / Electronic brake distribution / Brake Assist	X/X/X
Passenger front airbag	S	Electronic stability control (ESC, VSC, DSC, ESP, VSA)	X#
Side airbags, front seats - chest protection	X	3 point centre rear seat belt	*
Side airbags, front seats - head protection	X	Whiplash rating	-
Side airbags, rear seats - head protection	-	Intelligent seat belt reminder - driver	X
Driver knee airbag	X	Intelligent seat belt reminder - front passenger	X
Seat belt pretensioners (Front/rear outboard)	X/-	Intelligent seat belt reminder - rear seats	-

Key: * lap-only seat belt fitted to centre front seat

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 - = not applicable

ESC required by ANCAP for 5 star rating from 2008