

ANCAP Safety Rating

LDV D90 (November 2017 - onwards)



LDV D90

This ANCAP safety rating applies to:

Make / Model	LDV D90
Year Range	November 2017 - onwards
Variant(s)*	All variants
Vehicle Type	Large SUV

The tested model of LDV D90 was introduced into Australia in November 2017 and is due for release in New Zealand in 2018. This ANCAP safety rating applies to all variants.

Dual frontal, side chest, and side head-protecting (curtain) airbags for all three seating rows are standard. Autonomous emergency braking (AEB), a lane departure warning (LDW) system and a manual-set speed limiter with speed sign recognition are fitted as standard. 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 Driver



Passenger



Side Impact & Pole# Driver



Whiplash Protection Driver



	GOOD
	ACCEPTABLE
	MARGINAL
	POOR

Head protection only.

Test Results Summary.

Airbags	Dual frontal, Side, Head
Frontal Offset Test	14.05 (out of 16)
Side Impact Test	16.00 (out of 16)
Pole Test	2.00 (out of 2)
Whiplash Protection	Good
Pedestrian Protection	Acceptable
ESC	Standard
Seat Belt Reminders	3.00 (out of 3)
Overall Score	35.05 (out of 37)
ANCAP Safety Rating	★★★★★
Rating Year [^]	2017

Occupant Protection.

Frontal Offset Test

Each body region is scored out of 4 points

Head / neck:	4.00 points
Chest:	3.03 points
Upper legs:	4.00 points
Lower legs:	3.02 points

In the frontal offset test, protection for the driver's head and neck was rated as 'Good' while that of the chest and legs was rated 'Acceptable'. The passenger was offered 'Good' protection for head and chest while the legs were rated 'Acceptable'. The passenger compartment held its shape well. Pedal and steering wheel displacements were well controlled. All doors remained closed during the crash.

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 this model 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 has side curtain airbags so was eligible for a side pole test. 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
Overall whiplash rating:	Good

Pedestrian Protection.

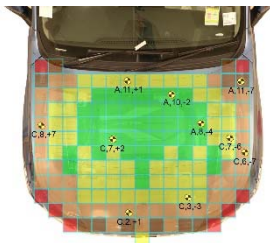
Pedestrian Test

Scored out of 36 points

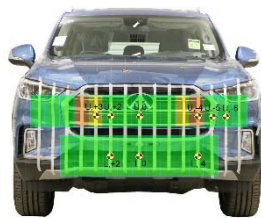
Adult & child head impacts: 15.80 points
Upper leg impacts: 5.57 points
Lower leg impacts: 6.00 points

This vehicle scored 27.37 out of 36 points (Acceptable). The bonnet provided predominantly 'Good' or 'Acceptable' protection to the head of a struck pedestrian with 'Marginal' and 'Poor' results recorded in areas of the bonnet which the head of a child may strike. Protection of the pelvis area was mostly 'Good' but with some 'Marginal' results recorded. The bumper showed 'Good' results for leg impacts. (v8.3)

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

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, lap/sash) for all forward-facing seats	S
Seat belt pretensioners (front)	S
Seat belt pretensioners (rear outboard)	X
Intelligent seat belt reminder (driver)	S
Intelligent seat belt reminder (front passenger)	S
Intelligent seat belt reminder (2 nd row seats)	S
Intelligent seat belt reminder (3 rd row seats)	S
Airbag - Frontal (driver)	S
Airbag - Frontal (passenger)	S
Airbag - Side, chest protection (front seats)	S
Airbag - Side, chest protection (2 nd row seats)	X
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)	X
Airbag - Knee (front passenger)	X
Head restraints for all seats	S
Adaptive cruise control (ACC)	S
Antilock braking system (ABS)	S
Autonomous emergency braking (AEB)	
- City	S
- Interurban	S
- Vulnerable road user	S
Automatic headlights	S
Automatic high beam	X
Blind spot monitoring (BSM)	S
Electronic brakeforce distribution (EBD)	S
Electronic stability control (ESC)	S
Emergency brake assist (EBA)	S
Attention Assist / Fatigue reminder	S
Lane departure warning (LDW)	S
Lane keep assist (LKA)	X
Daytime running lights (DRL)	S
Hill launch assist	S
Roll stability system	S
Reversing collision avoidance	S
Speed assistance - automatic / intelligent speed limiting (ISA)	X
Speed assistance - manual speed limiting	S
Speed assistance - speed sign recognition & warning	S
Tyre pressure monitoring system (TPMS)	S

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.

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

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	464.00	537.00	HIGH-SEAT VEHICLE DEFAULT SCORE AWARDED	
Acceleration (g for 3ms)	48.30	55.90		
Neck				
Shear (kN)	0.70	-0.40		
Tension (kN)	1.51	1.13		
Extension (Nm)	7.70	11.40		
Chest				
Acceleration (g for 3ms)	-	-		
Compression (mm)	28.80	19.05		
Viscous criterion (m/s)	0.09	0.07		
Abdomen				
Force (kN)	-	-		
Pelvis				
Force (kN)	-	-		
Upper legs				
Femur force left (kN)	0.09	0.10		
Femur force right (kN)	0.14	0.54		
Knee displacement left (mm)	0.18	0.72		
Knee displacement right (mm)	0.07	0.53		
Lower legs				
Force left (kN)	2.49	0.93		
Force right (kN)	2.40	1.61		
Index (upper / lower) left	0.41 / 0.23	0.34 / 0.62		
Index (upper / lower) right	0.54 / 0.44	0.40 / 0.55		
Intrusion Measurements*				
Steering column				
Forward (mm)	97			
Upward (mm)	-11			
Sideways (mm)	0			
Pedals				
Accelerator - rearward (mm)	49			
Accelerator - upward (mm)	20			
A-Pillar				
Rearward (mm)	0			

+ 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	LDV D90 Luxe
Tested Vehicle(s) Built	2017
Tested Body Type	Large SUV
Tested Vehicle Kerb Weight	2366 kg
Tested Vehicle Engine	2.0 litre petrol
Tested By	ANCAP
Assessed By	ANCAP
Document Reference	D90_17
Document Created / Revised	21 December 2017
Rating Published	December 2017
Rating Updated	12 February 2018



Frontal offset test at 64km/h