

ANCAP Safety Rating: LDV V80 without ESC (2013 – mid-2015)



ANCAP

Safety ★★☆☆



Frontal offset test at 64km/h

This ANCAP safety rating applies to:

Make / Model	LDV V80
Year Range	2013 - onwards
Variant(s)*	Short wheelbase, low roof without ESC
Vehicle Type	Utility / Van

The tested model of LDV V80 went on sale in Australia and New Zealand in 2013. This ANCAP safety rating applies to the short-wheelbase low-roof variant.

Dual frontal airbags are standard. Electronic Brake Distribution (EBD), Emergency Brake Assist (EBA) are also standard. Electronic stability control (ESC) was not available until mid-2015. The lack of ESC limited the safety rating to 2 stars. A separate 3-star ANCAP safety rating applies to vehicles with ESC.

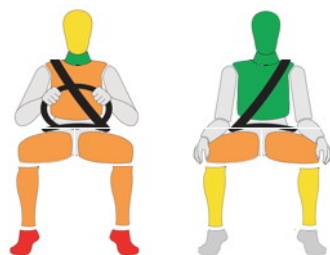
In the offset crash test driver head protection was acceptable, chest and leg protection was marginal and foot protection was poor. In this test passenger leg protection was also marginal.

Injury Outcomes.

Frontal Offset

Driver

Passenger



Side Impact

Driver



Whiplash Protection

Driver

[Not tested]



Test Results Summary.

Airbags	Dual Frontal
Frontal Offset Test	4.97 (out of 16)
Side Impact Test	16.00 (out of 16)
Pole Test	Not tested (out of 2)
Whiplash Protection	Not tested
Pedestrian Protection	Not tested
ESC	None
Seat Belt Reminders	0 (out of 3)
Overall Score	16.49* (out of 37)
ANCAP Safety Rating	★★★☆☆
Rating Year^	2013

* Overall score truncated

Occupant Protection.

Frontal Offset Test

Each body region is scored out of 4 points

Head / neck:	3.00 points
Chest:	1.33 points
Upper legs:	1.64 points
Lower legs:	0.00 points

The passenger compartment lost structural integrity in the offset crash test. Steering column and pedal movement were excessive. Steering column components were a potential source of knee injury for the driver. Dash components were also a potential source of knee injury for the driver and passenger. A door opened during the test resulting in a one point deduction (see *Score Deductions*).

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 V80 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

[Not tested]

Whiplash Protection Test

Whiplash protection is assessed to the RCAR Protocol

[Not tested]

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Pedestrian Protection.

Pedestrian Test

Scored out of 36 points

[Not tested]

Score Deductions.

Deductions from frontal offset test scores

General:	- 1.00 pts (door opened)
Head / neck:	- 1.00 pts (excessive steering column upward movement, 117mm)
Chest:	- 1.00 pts (chest contacted steering wheel) - 1.00 pts (loss of cabin integrity)
Upper legs:	- 2.00 pts (left & right knee hazards for driver) - 2.00 pts (left & right knee hazards for passenger)
Lower legs/ feet:	- 1.00 pts (excessive clutch vertical movement, 214mm) - 4.00 pts (excessive brake pedal rearward movement, 250mm) - 1.00 pts (footwell rupture)

(*Maximum deduction is 2 points from a body region, except foot)

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

Deductions from side impact test score

Chest:	High-seat vehicle: default side impact score awarded.
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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)	-
Intelligent seat belt reminder (driver)	X
Intelligent seat belt reminder (front passenger)	X
Intelligent seat belt reminder (2 nd row seats)	-
Airbag - Front (driver)	S
Airbag - Front (passenger)	S
Airbag - Side, chest protection (front seats)	X
Airbag - Side, chest protection (2 nd row seats)	-
Airbag - Side, head protection (front seats)	X
Airbag - Side, head protection (2 nd row seats)	-
Airbag - Knee (driver)	X
Airbag - Knee (front passenger)	X
Head restraints for all seats	S
Adaptive cruise control (ACC)	X
Antilock braking system (ABS)	S
Autonomous emergency braking (AEB)	X
Daytime running lights (DRL)	X
Electronic brakeforce distribution (EBD)	S
Electronic stability control (ESC)	X#
Emergency brake assist (EBA)	S
Hill launch assist	X
Lane support system (LSS)	X
Reversing collision avoidance	X
Tyre pressure monitoring system (TPMS)	X

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.

ESC standard on vehicles built from September 2015. Available earlier on New Zealand vehicles. Check with manufacturer.

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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	427.00	324.00	
Acceleration (g for 3ms)	54.00	45.80	
Neck			
Shear (kN)	0.33	0.57	
Tension (kN)	2.22	1.55	
Extension (Nm)	18.80	12.40	
Chest			
Acceleration (g for 3ms)	-	-	
Compression (mm)	26.70	15.50	
Viscous criterion (m/s)	0.16	0.04	
Abdomen			
Force (kN)	-	-	
Pelvis			
Force (kN)	-	-	
Upper legs			
Femur force left (kN)	0.92	0.11	
Femur force right (kN)	3.50	1.11	
Knee displacement left (mm)	0.04	0.41	
Knee displacement right (mm)	0.41	6.80	
Lower legs			
Force left (kN)	1.22	1.06	
Force right (kN)	1.59	1.56	
Index (upper / lower) left	0.65 / 0.54	0.45 / 0.29	
Index (upper / lower) right	0.49 / 0.35	0.53 / 0.48	
Intrusion Measurements*			
Steering column			
Forward (mm)	30		
Upward (mm)	117		
Sideways (mm)	13		
Pedals			
Brake - rearward (mm)	250		
Clutch - upward (mm)	214		
A-Pillar			
Rearward (mm)	72		

HIGH-SEAT VEHICLE
DEFAULT SCORE AWARDED

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

* 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	LDV V80 SWB low roof
Tested Vehicle(s) Built	2015
Tested Body Type	Van
Tested Vehicle Kerb Weight	2100 kg
Tested Vehicle Engine	2.5 diesel
Tested By	ANCAP
Assessed By	ANCAP
Document Reference	LDV_V80_13E
Document created/revised	2 September 2015
Rating Published	August 2015

