

ANCAP Safety Rating: LDV V80 with ESC (September 2015 – December 2022)



Frontal offset test at 64km/h

This ANCAP safety rating applies to:

| | |
|--------------|------------------------------------|
| Make / Model | LDV V80 with ESC |
| Year Range | September 2015* - December 2022 |
| Variant(s)* | Short wheelbase, low roof with ESC |
| Vehicle Type | Utility / Van |

* July 2015 for New Zealand

The tested model of LDV V80 went on sale in Australia and New Zealand in 2013. This ANCAP 3-star safety rating applies to the short-wheelbase low-roof variant with electronic stability control (ESC). ESC is standard on Australian vehicles built from September 2015 and from mid-2015 for New Zealand vehicles. A separate 2-star safety rating applies to vehicles without ESC.

Dual frontal airbags are standard. Electronic Brake Distribution (EBD) and Emergency Brake Assist (EBA) are also standard.

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



Side Impact



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 | Standard from mid 2015 |
| Seat Belt Reminders | 0 (out of 3) |
| Overall Score | 20.97 (out of 37) |
| ANCAP Safety Rating | ★★★☆☆ |
| Rating Year^ | 2013 |

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. |
|--------|---|

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 |
| Emergency brake assist (EBA) | S |
| Electronic stability control (ESC) | 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 | HIGH-SEAT VEHICLE DEFAULT SCORE AWARDED | |
| 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 | | | |

* 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 | September 2015 |
| Rating Updated | N/A |

