

ANCAP Safety Rating

HOLDEN COLORADO CREW CAB

(From 2012)



Test Vehicle(s).

| | |
|-------------------------|--------------------------------------|
| Variant: | Holden Colorado Crew Cab LX 4x4 |
| Kerb Mass: | 2070 kg |
| Built: | 2012 |
| Engine: | 2.8 diesel |
| Category: | Utility / Van |
| Variant Applicability*: | Crew cab variants (4x2 and 4x4) only |



Frontal offset test at 64 km/h

| Airbags | ESC | Frontal Offset | Side Impact | Pole | Whiplash | Pedestrian | Seat Belt Reminders | Overall Score | ANCAP Safety Rating |
|----------------|----------|----------------------|----------------------|-----------------|----------|------------|---------------------|----------------------|---------------------|
| Frontal + Head | Standard | 15.09 (out of 16) | 16.00 (out of 16) | 2 (out of 2) | GOOD | ACCEPTABLE | 2 (out of 3) | 35.09 (out of 37) | ★★★★★ |

The tested model of Holden Colorado was introduced in Australia and New Zealand in 2012. This ANCAP safety rating only applies to crew cab variants (4x2 and 4x4).

Dual front airbags and head-protecting side curtains are standard. 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.

In the frontal offset crash test, driver chest and leg protection was acceptable. Passenger leg protection was also acceptable in this test. Driver head protection in the side pole test was good.

OCCUPANT PROTECTION

Frontal Offset Test.

Each body region is scored out of 4 points

| | |
|--------------|-------------|
| Head / neck: | 4.00 points |
| Chest: | 3.56 points |
| Upper legs: | 4.00 points |
| Lower legs: | 3.53 points |

The passenger compartment held its shape well in the frontal offset test. Pedal and steering wheel displacements were well controlled. Driver and passenger contact with the airbags was stable. Side curtains deployed in this crash, providing extra protection in secondary impacts. Due to seat movement, the curtain on the driver's side did not fully deploy. This did not happen in the subsequent pole test and no points were deducted. 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 Colorado 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

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: | Good |
| Overall whiplash rating: | GOOD |

Injury Outcomes.

Frontal Offset Driver Passenger Side Impact & Pole Driver



Whiplash



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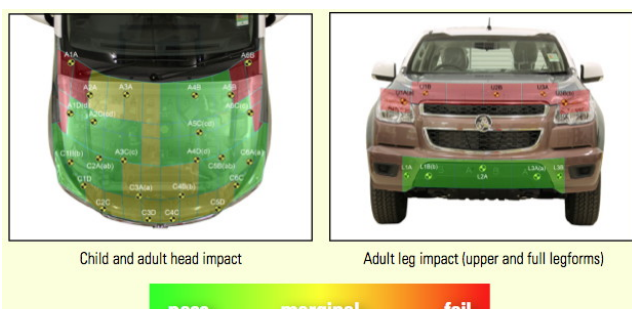
PEDESTRIAN PROTECTION

Pedestrian Test.

ACCEPTABLE - Scored 21.75 out of 36 points

Child head impacts: 7.48 points
 Adult head impacts: 8.27 points
 Upper leg impacts: 0.00 points
 Lower leg impacts: 6.00 points

The leading edge of the bonnet was poor. The bumper and most of the head impact zones of bonnet scored well (v5.3).



Holden Colorado Crew Cab

SAFETY FEATURES (2014 Crew Cab)

These specifications are subject to change. Please check with manufacturer for the latest specifications. For a description of these safety features and safety rating requirements see the ANCAP Rating Road Map.

| Safety Assist Technology (SAT) | Availability |
|---|--------------|
| Front airbag - driver | S |
| Front airbag - passenger | S |
| Side airbags (chest protection) - front seats | X |
| Side airbags (head protection) - front seats | S |
| Side airbags (head protection) - 2nd row seats | S |
| Knee airbag - driver | X |
| Three-point seat belts for all forward facing seats | S |
| Seat belt pretensioners (front / rear outboard) | S / X |
| Intelligent seat belt reminder - driver | S |
| Intelligent seat belt reminder - front passenger | S |
| Intelligent seat belt reminder - 2nd row seats | X |
| Head restraints for all seats | S |
| Antilock brakes (ABS) | S |
| Electronic brake distribution (EBD) | S |
| Emergency brake assist (EBA) | S |
| Electronic stability control (ESC) | S |
| Adaptive cruise control (ACC) | X |
| Autonomous emergency braking (AEB) | X |
| Lane support system | X |
| Hill launch assist | S |
| Trailer stability control | S |
| Reversing collision avoidance | O |

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.

INJURY 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 | 416.00 | 320.00 | |
| Acceleration (g for 3ms) | 52.40 | 45.60 | |
| Neck | | | |
| Shear (kN) | 0.61 | 0.55 | DEFAULT SCORE AWARDED HIGH-SEAT VEHICLE |
| Tension (kN) | 1.56 | 0.93 | |
| Extension (Nm) | 8.30 | 21.40 | |
| Chest | | | |
| Acceleration (g for 3ms) | - | - | |
| Compression (mm) | 25.10 | 18.70 | |
| Viscous criterion (m/s) | 0.08 | 0.05 | |
| Abdomen | | | |
| Force (kN) | - | - | |
| Pelvis | | | |
| Force (kN) | - | - | |
| Upper legs | | | |
| Femur force left (kN) | 0.07 | 0.30 | |
| Femur force right (kN) | 0.35 | 0.34 | |
| Knee displacement left (mm) | 0.86 | 0.71 | |
| Knee displacement right (mm) | 0.02 | 0.44 | |
| Lower legs | | | |
| Force left (kN) | 1.46 | 2.52 | |
| Force right (kN) | 2.70 | 2.43 | |
| Index (upper / lower) left | 0.41 / 0.22 | 0.38 / 0.17 | |
| Index (upper / lower) right | 0.43 / 0.37 | 0.37 / 0.44 | |

INTRUSION MEASUREMENTS

Steering Column

| | |
|-----------|------|
| Forwards: | 38mm |
| Upwards: | 37mm |
| Sideways: | 5mm |

Pedals

| | |
|--------------------------|------|
| Accelerator (rearwards): | 39mm |
| Brake (downwards): | 3mm |
| A-Pillar (forwards): | 4mm |

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

SCORE DEDUCTIONS

Deductions from frontal offset test score

No deductions for frontal offset test.

Deductions from side impact test score

High-seat vehicle: Default side impact score awarded.

Deductions from pole test score

No deductions for pole test.

OTHER

Independent assessment has shown that the 2011 ANCAP safety rating of **this vehicle only** is retained when fitted with:

- Holden-supplied bulbar Part Number 92255761/010
- Smartbar bullbar SA153

The effect of these bullbars on the pedestrian rating is unknown.

* For information about the application of ANCAP ratings to model variants see the ANCAP Variant Policy. In brief, 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.

^ Refer ANCAP Rating Road Map (www.ancap.com.au/media).