

# Crash Test Results

## New Car Safety

### HOLDEN COLORADO 7 SUV

From 2012 Front+head airbags



Offset crash test at 64km/h (Colorado Utility)



**ANCAP**

Safety ★★★★★

**Overall  
Rating**

**Occupant Protection Score 35.09 out of 37**

Tested variant: LX 4x4 Crew Cab Eng: 2.8 diesel

Kerb mass: 2072kg Category: SUV - LARGE

Vehicles built: 2012

#### Model History and Safety Features

The Colorado 7 SUV was introduced in Australia during 2012. This rating is based on ANCAP crash tests of the Colorado utility. ANCAP was provided with evidence that the Colorado 7 SUV provides comparable occupant protection to that of the utility.

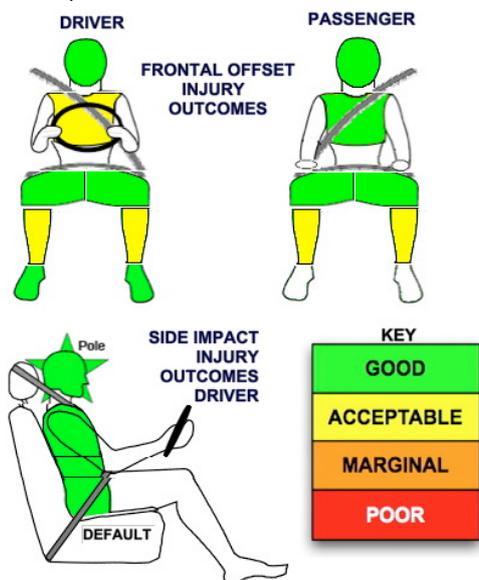
Dual front airbags and head-protecting side curtains are standard equipment. Antilock brakes (ABS), electronic brake distribution (EBD) and electronic stability control (ESC) are also standard. Advanced seat belt reminders are fitted to both front seats.

Dual pretensioners are fitted to the front seat belts to reduce slack in the event of a crash.

#### OCCUPANT PROTECTION: 5 Stars

The Colorado scored 15.09 out of 16 in the offset crash test. The passenger compartment held its shape well. There was a slight risk of serious chest injury for the driver and a slight risk of serious leg injury for the driver and front passenger.

The vehicle was awarded a default score of 16 out of 16 in the side impact crash test. A further 2 points were scored in the side pole test.



#### FRONTAL OFFSET CRASH TEST

Body region scores out of 4 points each: Head/neck 4 pts, chest 3.56 pts, upper legs 4 pts, lower legs 3.53 pts.

The passenger compartment held its shape well in the offset crash test. The accelerator pedal moved rearwards by 39 mm. The brake pedal moved downwards 3mm. The steering wheel hub moved 38mm forward, 37 mm upward and 5 mm sideways. The front ("A") pillar moved 4mm forwards. All doors remained closed during the crash. After the crash the all doors could be opened with normal effort.

The airbag cushioned the head of the driver and contact 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. There were no knee contact marks. The passenger's head was cushioned by the airbag.

#### SIDE IMPACT CRASH TEST

The side impact test normally used by ANCAP simulates a small car striking the driver's door of the vehicle under test. Experience shows that large vehicles like the Colorado can be expected to perform well in this test so ANCAP has decided to award a full score of 16 for these vehicles instead of conducting a crash test.

The vehicle scored the maximum two points in the pole side impact test.

#### PEDESTRIAN PROTECTION: ACCEPTABLE

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

PEDESTRIAN PROTECTION	Child head impacts	7.48
<b>ACCEPTABLE</b>	Adult head impacts	8.27
	Upper leg impacts	Zero
	Lower leg impacts	6
	Total (out of 36)	21.75

v5.3



#### Whiplash Protection

(RCAR Protocol)



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PO Box 4041

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colorado12suv.doc Rated: 2012

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Crash testing for safety

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# TECHNICAL DATA - HOLDEN COLORADO 7 - From 2012

## INJURY MEASUREMENTS

Body region	Offset Crash Test at 64km/h (v5.1)		Side Impact Crash Test at 50km/h (v5.1)
	Driver	Passenger	Driver
<b>Head HIC</b>	416	320	Default score awarded
Acceleration (g for 3ms)	52.4	45.6	
<b>Neck - Shear (kN)</b>	0.61	0.55	
Tension (kN)	1.56	0.93	
Extension (Nm)	8.3	21.4	
<b>Chest Accln (g for 3ms)</b>	43.80	35.80	
Compression (mm)	25.10	18.70	
Viscous criterion (m/s)	0.08	0.05	
<b>Abdomen - Force (kN)</b>	-	-	
<b>Pelvis - Force (kN)</b>	-	-	
<b>Upper legs Force (kN)</b>			
Left	0.07	0.30	
Right	0.35	0.34	
Knee displ (mm)			
Left	0.86	0.71	
Right	0.02	0.44	
<b>Lower legs Force (kN)</b>			
Left	1.46	2.52	
Right	2.70	2.43	
Index (Upper/Low)			
Left	0.41 /0.22	0.38 /0.17	
Right	0.43 /0.37	0.37/0.44	

### Bonus points (maximum 5)

Pole Test: 2 pts

Seat belt reminders: 2 (see table below for details)

### Modifiers - deductions from offset test scores

Head	No deduction
Chest	No deduction
Upper leg	No deduction
Lower leg	No deduction
Foot score	Score 4 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	Availability	Description	Rating
Driver airbag	S	Antilock (ABS) brakes / Electronic brake distribution / Brake Assist	S/S/S
Passenger front airbag	S	Electronic stability control (ESC, VSC, DSC, ESP, VSA)	S#
Side airbags, front seats - chest protection	X	3 point seat belt for all forward-facing seats	S
Side airbags, front seats - head protection	S	Whiplash rating (RCAR protocol)	Good
Side airbags, rear seats - head protection	S	Intelligent seat belt reminder - driver	S
Driver knee airbag	X	Intelligent seat belt reminder - front passenger	S
Seat belt pretensioners (Front/rear outboard)	S/X	Intelligent seat belt reminder - rear seats	X

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

# ESC required by ANCAP for 5 star rating from 2008



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