

Crash Test Results

New Car Safety

HOLDEN COLORADO 4x2

2008 on

Dual front airbags



ANCAP

Rated ★★★★★

Occupant Protection

Occupant Protection Score 23.51* out of 37

* High risk of life-threatening chest injury

Variant: LX Cab/chassis Eng: 3.6 litre V6, manual

Kerb weight: 1570 kg Category: UTILITY

Vehicles built: 7/05

Model History and Safety Features

The Holden Colorado was introduced in Australia during 2008. This assessment is based on crash tests of the equivalent Holden Rodeo published by ANCAP in 2006.

Dual front airbags are standard equipment. Antilock brakes (ABS) with electronic brakeforce distribution (EBD) are optional on some versions. Electronic stability control (ESC) is not available.

OCCUPANT PROTECTION: 3 Stars

The Colorado 4x2 scored 7.51 out of 16 in the offset crash test. The passenger compartment was moderately deformed. Protection from serious chest injury was poor for the driver. Leg/foot protection was marginal.

The vehicle was awarded a default score of 16 out of 16 in the side impact crash test.



Offset crash test at 64km/h

FRONTAL OFFSET CRASH TEST (v4.1)

Body region scores out of 4 points each: Head/neck 4 pts, chest zero pts, upper legs 2 pts, lower legs 1.51 pts.

The passenger compartment was moderately deformed in the offset crash test. The brake pedal moved rearwards by 111 mm and upwards 13 mm. The footwell ruptured. The steering wheel hub moved rearwards 17 mm, upwards 45 mm and sideways 27mm. The front ("A") pillar moved 40 mm rearwards. All doors remained closed during the crash. After the crash tools were required to open the driver's door.

The airbag cushioned the head of the driver and contact was stable. Steering column components were a potential source of injury for the driver's knees. The passenger's head was cushioned by the airbag and contact was stable. A metal bracket behind the dash was a potential source of injury for the passenger's left knee.

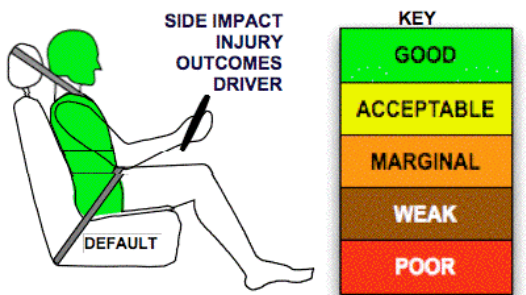
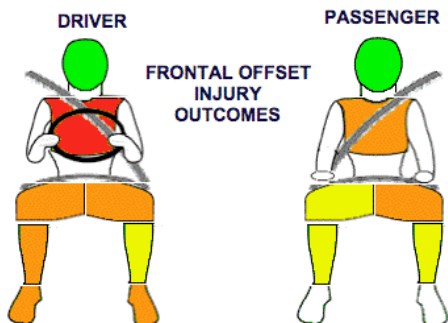
SIDE IMPACT CRASH TEST (v4.1)

Body region scores out of 4 points each: Head 4 pts, chest 4 pts, abdomen 4 pts, pelvis 4 pts. Default scores.

The side impact test normally used by ANCAP simulates a small car striking the driver's door of the vehicle under test. It is based on a regulation test but the regulation does not apply to vehicles with a high seat height like the Colorado 4x2. Experience shows that such vehicles can be expected to perform well in this test so ANCAP has decided to award full score for these vehicles instead of conducting a crash test. The vehicle was not eligible for a Pole Impact Test since it did not have head-protecting side airbags. This test can earn eligible vehicles an extra two points.

PEDESTRIAN PROTECTION

Not tested.



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TECHNICAL DATA - HOLDEN COLORADO 4x2 - 2008 on

INJURY MEASUREMENTS

Body region	Offset Crash Test at 64km/h (v4.1)		Side Impact Crash Test at 50km/h (v4.1)
	Driver	Passenger	Driver
Head HIC	821	514	Default scores awarded
Acceleration (g for 3ms)	77.5	52.5	
Neck - Shear (kN)	0.26	0.38	
Tension (kN)	2.48	1.59	
Extension (Nm)	17.8	23.1	
Chest Accln (g for 3ms)	54.40	37.50	
Compression (mm)	50.60	37.80	
Viscous criterion (m/s)	0.40	0.24	
Abdomen - Force (kN)	-	-	
Pelvis - Force (kN)	-	-	
Upper legs Force (kN)			
Left	0.68	1.80	
Right	1.37	4.76	
Knee displ (mm)			
Left	0.79	2.63	
Right	2.10	3.67	
Lower legs Force (kN)			
Left	1.24	2.72	
Right	3.86	2.16	
Index (Upper/Low)			
Left	0.36 /0.54	0.31 /0.28	
Right	0.72 /0.96	0.39/0.43	

Bonus points (maximum 5)

Pole Test: Not eligible due to a lack of head-protecting side airbags

Seat belt reminders: None

Modifiers - deductions from offset test scores

Head	No deduction
Chest	No deduction
Upper leg Variable & conc. loading	2 pt deduction Left & Right, driver 2 pt deduction Left, passenger
Lower leg	No deduction
Foot score	Pedal rearward Score 3.56 points Footwell rupture 1 pt deduction

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

Modifiers - deductions from side impact test scores

Chest	Not tested
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Safety features

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



(4x4 illustrated)

Driver airbag	S	Antilock (ABS) brakes / Electronic brakeforce distribution / Brake Assist	O/O/X
Passenger front airbag	S	Electronic stability control (ESC, VSC, DSC, ESP, VSA)	X#
Side airbags, front seats - chest protection	X	3 point centre rear seat belt	-
Side airbags, front seats - head protection	X	Active head restraints - front seats	X
Side airbags, rear seats - head protection		Intelligent seat belt reminder - driver	X
Driver knee airbag	X	Intelligent seat belt reminder - front passenger	X
Seat belt pretensioners (Front/rear outboard)	X	Rear seat belt status indicator	X

Key:

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 2000



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