

Crash Tests

New Car Safety

Holden Rodeo

03/2003 on 06/2007 - Dual Frontal

Overall Evaluation



Overall Score

23.51 out of 37

Variant: 4x2 LX Single Cab/Chassis

Engine: 2.4 Litre Petrol

Category: Utility

High risk of life-threatening chest injury

Model History and Safety Features

The tested model of Rodeo 4x2 was introduced in Australia during 2003.

Dual front airbags are standard equipment on all but the DX variants, where they are optional. The tested LX Rodeo had airbags. ABS brakes are available on some variants.

Hazard lights activated during the crash.

Overall Evaluation: 3

The Rodeo 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.

Frontal Offset Crash Test

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

Default 16 points awarded for side impact test.

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 Rodeo 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 rating (v4.1)

(0 stars)

A pedestrian test was not conducted on the Holden Rodeo 4x2.

Offset crash test at 64km/hr



Injury Measurements

Refer to the information sheet 'How the tests are done'	Offset Crash Test at 64km/h (v4.1)		Side Impact Crash Test aa 50km/h (v4.1) Driver
	Driver	Passn	
Head			
- HIC	821	514	
- 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			
- Acceleration (g for 3ms)	54.4	37.5	
- Compression (mm)	50.6	37.8	
- Viscous Criterion (m/s)	0.4	0.24	
Abdomen			
- Force (kN)			
Pelvis			
- Force (kN)			
Upper Legs Force (kN)			
- Left	0.68	1.8	
- Right	1.37	4.76	
Knee Displacement (kN)			
- Left	0.79	2.63	
- Right	2.1	3.67	
Lower Legs Force (kN)			
- Left	1.24	2.72	
- Right	3.86	2.16	
Index (Upper Lower)			
- Left	0.3 0.54	0.31 0.28	
- Right	0.72 0.96	0.39 0.43	

Bonus points (maximum 5)

Pole Test: Zero points

Seat Belt Reminders: None fitted - zero points

Modifiers for offset test scores

Head	No deduction
Chest	No deduction
Upper leg	Variable & concentrated loading Drv 2 pt deduction L&R; Pass 2 pt deduction L
Lower leg	No deduction
Foot score	Score 3.56 points
Structure	1 pt deduction

Modifiers for side impact test scores

Head	Not assessed
Chest	Not assessed
Upper leg	Not assessed
Lower leg	Not assessed
Foot score	Not assessed
Structure	Not assessed



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