Crash Tests

New Car Safety

HOLDEN RODEO 4x2

2004 on

Dual front airbags

Occupant Protection



Occupant Protection Score

23.51* out of 37

* High risk of life-threatening chest injury Variant: LX SINGLE CAB/CHASSIS Engine: 2.4 petrol, 5 speed manual

Kerb weight: 1570 kg Category: UTILITY

Vehicle built: 7/05

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.

OCCUPANT PROTECTION: 3 Stars*

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.



Offset crash test at 64km/h

INJURY MEASUREMENTS

Refer to the informati sheet "How the test a done"		Offset Crash Test at 64km/h (v4.1)		Side Impact Crash Test at 50km/h (v4.1)
		Driver	Passn	Driver
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	Default
Extension (Nm)		17.8	23.1	score
Chest Accln (g for 3ms)		54.400	37.500	awarded
Compression (mm)		50.60	37.80	
Viscous criterion (m/s)		0.40	0.24	
Abdomen - Force (kN)		-	-	
Pelvis - Force (kN))	1	-	
Upper legs Force Le	eft	0.68	1.80	
(kN) Rig	ht	1.37	4.76	
Knee displ (mm) Lef	t	0.79	2.63	
Rig	ht	2.10	3.67	
Lower legs Force Lef	t	1.24	2.72	
(kN) Rig	ht	3.86	2.16	
Index (Upper/Low) Le	ft	0.36 /0.54	0.31 /0.28	
Rig	ht	0.72 /0.96	0.39/0.43	

Bonus points (maximum 5)

Pole Test: Not eligible Seat belt reminders: Not fitted

Modifiers - offset test scores

Head No deduction
Chest No deduction
Upper leg Variable & conc. loading Drv 2 pt deduction L & R
Pass 2 pt deduction L

Lower leg No deduction

Foot score Pedal rearward Score 3.56 points Footwell rupture 1 pt deduction

PEDESTRIAN PROTECTION RATING (v4.1)

Not tested



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