

Crash Tests

New Car Safety

Holden Commodore

07/2007 on 09/2008 - Dual Frontal

Overall Evaluation



Overall Score

Variant: VE Omega Utility

27.41 out of 37

Engine: 3.6 litre V6 auto
Category: Utility

Model History and Safety Features

The tested model of VE Commodore Utility was introduced in Australia during 2007. Dual front airbags, antilock brakes (ABS) with electronic brake distribution (EBD) and electronic stability control (ESC) are standard. An advanced seat belt reminder is fitted to the driver seat.

The front seat belt buckles are mounted on the seats and the upper anchorages are adjustable. These features improve the fit of the seat belt. Pretensioners are fitted to the front seat belts to reduce slack in the event of a crash.

Overall Evaluation: 4

4 Stars. The Commodore Utility scored 11.57 out of 16 in the offset crash test. The passenger compartment held its shape well. Protection from serious chest and leg injury was marginal for the driver.

The vehicle scored 14.84 out of 16 in the side impact crash test. There was a slight risk of serious chest injury for the driver.

Frontal Offset Crash Test

Body region scores out of 4 points each: Head/neck 4 pts, chest 2.50 pts, upper legs 2 pts, lower legs 3.07 pts.

The passenger compartment held its shape well in the offset crash test. The accelerator pedal moved rearwards by 25 mm and downwards 3mm. The steering wheel hub moved 58mm forward, 52mm downward and 5 mm sideways. The front ("A") pillar moved 11 mm rearwards. All doors remained closed during the crash. After the crash the driver's door could be opened with normal effort.

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 left knee. The passenger's head was cushioned by the airbag.

Side Impact Crash Test

Body region scores out of 4 points each: Head 4 pts, chest 2.84 pts, abdomen 4 pts, pelvis 4 pts.

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)



The following rating is based on ANCAP tests of a Commodore sedan. The Utility can be expected to offer similar protection.

Child head impacts	5.98
Adult head impacts	3.00
Upper leg impacts	Zero
Lower leg impacts	Zero
Total (out of 36)	8.98

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	262	180	71
- Acceleration (g for 3ms)	39.9	33.6	38.7
Neck			
- Shear (kN)	0.31	0.46	
- Tension (kN)	0.95	0.79	
- Extension (Nm)	7.7	21.4	
Chest			
- Acceleration (g for 3ms)	37.2	32.1	
- Compression (mm)	32.47	28.7	27.8
- Viscous Criterion (m/s)	0.09	0.07	0.33
Abdomen			
- Force (kN)			0.753
Pelvis			
- Force (kN)			1.39
Upper Legs Force (kN)			
- Left	0.45	0.15	
- Right	0.55	0.29	
Knee Displacement (kN)			
- Left	0.5	0.37	
- Right	0.16	0.37	
Lower Legs Force (kN)			
- Left	2.68	1.15	
- Right	3.06	1.66	
Index (Upper Lower)			
- Left	0.38 0.61	0.3 0.18	
- Right	0.32 0.23	0.42 0.26	

Bonus points (maximum 5)

Pole Test: Not eligible - no head protecting side airbags

Seat Belt Reminders: 1

Modifiers for offset test scores

Head	No deduction
Chest	No deduction
Upper leg	Variable & Conc. loading
Lower leg	No deduction
Foot score	4 points
Structure	Steering column and pedal movements are measured relative to the driver's seat.

Modifiers for side impact test scores

Head	
Chest	No deduction
Upper leg	
Lower leg	
Foot score	
Structure	



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