

# Crash Tests

## New Car Safety

### Citroen C6

03/2006 on 01/0001 - Frontal+Side+Head

#### Overall Evaluation



**Overall Score**  
Variant: Niv 3

**33.81 out of 37**  
Engine: 3 Litre  
Category: Luxury

Vehicles tested after 1 January 2008 will require Electronic Stability Control in order to achieve a 5 star rating. This vehicle was tested prior to this date and may or may not meet this new requirement.

Important note: The left-hand-drive European model was tested by Euro NCAP. Australasian specifications may vary and therefore models sold in Australasia might provide different levels of protection to those described on this page.

#### Model History and Safety Features

The tested model of Citroen was introduced in Australia during 2006.

Dual front airbags, side airbags and head-protecting side curtains are standard equipment. ABS/EBD brakes and electronic stability control are also standard. Advanced seat belt reminders are fitted to all seats.

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. Pre-tensioners are fitted to the front seat belts to reduce slack in the event of a crash. A three point seat belt is fitted to the centre rear seat. This provides better protection than a two point seat belt.

#### Overall Evaluation: 5

The C6 scored 13.77 out of 16 in the offset crash test. The passenger compartment held its shape well. There was a slight risk of serious chest and leg injury for the driver.

The vehicle scored 15.04 out of 16 in the side impact crash test. There was a slight risk of serious chest injury for the driver. A further 2 points were scored in the optional pole test.

The C6 earned the maximum 4 stars for pedestrian protection.

#### Frontal Offset Crash Test

Body region scores out of 4 points each: Head/neck 4 pts, chest 3.06 pts, upper legs 4 pts, lower legs 2.71 pts.

The passenger compartment held its shape well in the offset crash test. The brake pedal moved rearwards by 51 mm and upwards 12 mm. The steering wheel hub moved forwards 14mm, upwards 25 mm and sideways 24mm. The front ("A") pillar moved 46 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. There were no knee hazards. 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 3.04 pts, abdomen 4 pts, pelvis 4 pts.

vehicle was eligible for an optional pole impact test, since it had head-protecting side airbags and scored four points for the head in the side impact test. The manufacturer decided to go ahead with the pole test and the vehicle earned a further two points.

#### Pedestrian rating (v4.1)



Child head impacts	9.640
Adult head impacts	8.000
Upper leg impacts	4.380
Lower leg impacts	6.000
Total (out of 36)	28.020

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 at 50km/h (v4.1) Driver
	Driver	Passn	
<b>Head</b>			
- HIC	268	440	23
- Acceleration (g for 3ms)	43.5	53	17.7
<b>Neck</b>			
- Shear (kN)	0.25	0.68	
- Tension (kN)	1.54	1.05	
- Extension (Nm)	4.8	4.3	
<b>Chest</b>			
- Acceleration (g for 3ms)			
- Compression (mm)	28.61	21.98	26.8
- Viscous Criterion (m/s)	0.12	0.07	0.2
<b>Abdomen</b>			
- Force (kN)			0.79
<b>Pelvis</b>			
- Force (kN)			2.3
<b>Upper Legs Force (kN)</b>			
- Left	1.08	0.83	
- Right	1.74	0	
<b>Knee Displacement (kN)</b>			
- Left	0.97	0.88	
- Right	4.53	0	
<b>Lower Legs Force (kN)</b>			
- Left	2.9	2.37	
- Right	2.91	3	
<b>Index (Upper   Lower)</b>			
- Left	0.27   0.69	0.45   0.24	
- Right	0.37   0.64	0.65   0.3	

#### Bonus points (maximum 5)

Pole Test: 2 points  
Seat Belt Reminders: Fitted to all seats - 3 points

#### Modifiers for offset test scores

Head	No deduction
Chest	No deduction
Upper leg	No deduction
Lower leg	No deduction
Foot score	Score 4 points
Structure	

#### Modifiers for side impact test scores

Head	
Chest	No deduction
Upper leg	
Lower leg	
Foot score	
Structure	



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