

Crash Tests

New Car Safety

Citroen C3

07/2003 on 10/2010 - Frontal+Side

Overall Evaluation



Overall Score

Variant: SX 5 Dr Hatch

27.64 out of 37

Engine: 1.4 Litre

Category: Small Car

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 C3 was introduced in Australia during 2003.

Dual front airbags, and thorax side airbags are standard equipment. ABS/EBD brakes are not available on the SX variant but are standard on other variants.

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: 4

The Citroen C3 scored 13.36 out of 16 in the offset crash test. The passenger compartment held its shape well. Protection from serious leg injury was marginal for the driver and passenger.

The vehicle scored 14.28 out of 16 in the side impact crash test. There was a slight risk of serious thorax injury for the driver.

Frontal Offset Crash Test

Body region scores out of 4 points each: Head/neck 4 pts, chest 3.6 pts, upper legs 2 pts, lower legs 3.76 pts.

The passenger compartment held its shape well in the offset crash test. The brake pedal moved rearwards by 76 mm and the clutch moved downwards 48mm. The steering wheel hub moved rearwards 6 mm, upwards 22 mm and sideways 15 mm. The front ("A") pillar moved 36 mm rearwards. All doors remained closed during the crash. After the crash high manual effort was 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. Dash components were a hazard for the passenger's knees.

Side Impact Crash Test

Body region scores out of 4 points each: Head 4 pts, chest 3.08 pts, abdomen 3.65 pts, pelvis 3.55 pts.

The vehicle was not eligible for an optional pole impact test, since it did not have head-protecting side airbags. This test can earn an extra two points.

Pedestrian rating (v4.1)



Child head impacts	4.33
Adult head impacts	6
Upper leg impacts	0.18
Lower leg impacts	Zero
Total (out of 36)	10.51

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	Passn	Driver
Head			
- HIC	251	304	175
- Acceleration (g for 3ms)	37.6	47.7	55
Neck			
- Shear (kN)	0.38	0.1	
- Tension (kN)	1.22	1.35	
- Extension (Nm)	32.7	12.1	
Chest			
- Acceleration (g for 3ms)			
- Compression (mm)	24.8	17.7	26.6
- Viscous Criterion (m/s)	0.1	0.05	0.19
Abdomen			
- Force (kN)			1.13
Pelvis			
- Force (kN)			3.34
Upper Legs Force (kN)			
- Left	0.43	2.38	
- Right	0.26	0.24	
Knee Displacement (kN)			
- Left	0.96	5.46	
- Right	0.02	0.35	
Lower Legs Force (kN)			
- Left	1.28	1.59	
- Right	1.48	1.09	
Index (Upper Lower)			
- Left	0.36 0.42	0.35 0.16	
- Right	0.46 0.35	0.23 0.18	

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. Dvr - 2 pt deduction L & D; Pass - 1 pt 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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