

Crash Tests

New Car Safety

CITROEN C4 (LHD)

2005 on Front+side & head airbags



Offset crash test at 64km/h

Occupant Protection



Occupant Protection Score 34.56 out of 37

Variant: SX 5 dr hatch Eng: 1.6 litre
Kerb weight: 1250 kg Category: SMALL CAR
Vehicles built: 2004 Test by Euro NCAP

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 C4 was introduced in Australia during 2005.

Dual front airbags, side airbags and head-protecting side curtains are standard equipment. ABS/EBD brakes and a speed limiter are also standard. Electronic stability control is standard on the Exclusive variant. Advanced seat belt reminders are fitted to both front 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.

OCCUPANT PROTECTION: 5 Stars

The Citroen C4 scored 14.96 out of 16 in the offset crash test. The passenger compartment held its shape well. There was a slight risk of serious leg injury for the driver.

The vehicle scored 15.6 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

FRONTAL OFFSET CRASH TEST

Body region scores out of 4 points each: Head/neck 4 pts, chest 4 pts, upper legs 3 pts, lower legs 3.96 pts.

The passenger compartment held its shape well in the offset crash test. The brake pedal moved rearwards by 69 mm and upwards 4 mm. The steering wheel hub moved rearwards 6 mm, upwards 15 mm and sideways 9 mm. The front ("A") pillar moved 21 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.

SIDE IMPACT CRASH TEST

Body region scores out of 4 points each: Head 4 pts, chest 3.6 pts, abdomen 4 pts, pelvis 4 pts.

The 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.

INJURY MEASUREMENTS

Refer to the information sheet "How the test are done"	Offset Crash Test at 64km/h (v4.1)		Side Impact Crash Test at 50km/h (v4.1)
	Driver	Passn	Driver
Head HIC	170	78	54
Acceleration (g for 3ms)	33.4	24.2	27.7
Neck - Shear (kN)	0.38	0.70	-
Tension (kN)	0.79	0.75	-
Extension (Nm)	9.0	15.0	-
Chest Accln (g for 3ms)			-
Compression (mm)	20.70	16.10	24.00
Viscous criterion (m/s)	0.07	0.10	0.25
Abdomen - Force (kN)	-	-	0.870
Pelvis - Force (kN)	-	-	2.160
Upper legs Force (kN)	Left 0.22 Right 0.04	0.00 0.15	
Knee displ (mm)	Left 0.00 Right 0.00	0.45 0.00	
Lower legs Force (kN)	Left 2.06 Right 2.03	1.15 0.93	
Index (Upper/Low)	Left 0.38 / 0.13 Right 0.40 / 0.35	0.31 / 0.14 .34 / .15	

Bonus points (maximum 5)

Pole Test: 2 pts Seat belt reminders: 2

Modifiers - offset test scores

Head No deduction
Chest No deduction
Upper leg Variable loading 1 pt deduction L & R
Lower leg No deduction
Foot score Score 4 points

Modifiers - side impact test scores

Chest No deduction

PEDESTRIAN PROTECTION RATING (v4.1)

Child head impacts	7.9	Upper leg impacts	4.51
Adult head impacts	4	Lower leg impacts	6
Total (out of 36)	22.41	★ ★ ★ ★	



December 2005

Published by
New Car Assessment Program
PO Box 1555
Canberra ACT Australia 2601

c4_05.doc issued 1/12/2005