

Crash Tests

New Car Safety

Peugeot 307

12/2001 on 12/2009 - Frontal+Side+Head

Overall Evaluation



Overall Score

Variant: 5 Dr Hatch

29.6 out of 34

Engine: 1.6 Litre

Category: Small Car

The left-hand-drive European model was tested by EuroNCAP. 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 Peugeot 307 was introduced in Australia during 2001.

Dual airbags, side airbags and head-protecting side curtains are standard equipment.

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. These seat belts also have load limiters.

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 Peugeot 307 scored 11.602 out of 16 in the offset crash test. The passenger compartment remained intact during this test. There was a slight risk of serious chest and lower leg injury from the driver and a slight risk of serious head and chest injury for the passenger.

The vehicle scored 16 out of 16 in the side impact crash test and an extra two points in the optional pole impact test.

Frontal Offset Crash Test

Body region scores out of 4 points each: Head/neck 3pts, chest 2.82pts, upper legs 2pts, lower legs 3.78pts.

The passenger compartment held its shape well in the offset crash test. The footwell remained virtually undisturbed. The brake pedal moved rearwards by 81mm and upwards 29mm. The steering wheel hub moved slightly forwards and downwards. The front ("A") pillar moved 6mm rearwards. All doors remained closed during the crash. After the crash the driver's door opened normally.

The airbag cushioned the head of the driver and contact was stable. However the chest of the driver hit the steering wheel. Components within the knee impact zone were found to be hazardous to the driver's knees. The passenger's head hit the dash through the airbag and there was a slight risk of serious head and chest injury.

Side Impact Crash Test

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

All injury measurements were good.

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.

Pedestrian rating (v2)



14.04 points out of 36 (39%).

Child head impacts 7.95pts;

Adult head impacts 6pts;

Upper leg 0.09pts and lower leg impacts zero pts.

Offset crash test at 64km/hr



Injury Measurements

Refer to the information sheet 'How the tests are done'	Offset Crash Test at 64km/h (v2)		Side Impact Crash Test at 50km/h (v2)
	Driver	Passn	Driver
Head			
- HIC	230.3	261.4	31.6
- Acceleration (g for 3ms)	39.3	54.8	23.5
Neck			
- Shear (kN)	0.45	0.75	
- Tension (kN)	1.42	1.46	
- Extension (Nm)	16.36	17.82	
Chest			
- Acceleration (g for 3ms)			
- Compression (mm)	23.23	28.15	9.32
- Viscous Criterion (m/s)	0.08	0.23	0.04
Abdomen			
- Force (kN)			0.63
Pelvis			
- Force (kN)			2.65
Upper Legs Force (kN)			
- Left	0.16	0.01	
- Right	0.02	0.48	
Knee Displacement (kN)			
- Left	0.05	0	
- Right	0.02	0.01	
Lower Legs Force (kN)			
- Left	2.16	1.54	
- Right	1.6	1.11	
Index (Upper Lower)			
- Left	0.45 0.23	0.37 0.21	
- Right	0.35 0.25	0.39 0.3	

Bonus points (maximum 5)

Pole Test: 2 Points

Seat Belt Reminders: None fitted - zero points

Modifiers for offset test scores

Head	Passenger airbag bottomed out	1pt deduction
Chest	Driver's chest hit steering wheel	1pt deduction
Upper leg	Variable & conc. loading	2 pt penalty L & R
Lower leg		No deduction
Foot score	Brake pedal rear movement	Score 4 points
Structure		No deduction

Modifiers for side impact test scores

Head	Not assessed
Chest	Not assessed
Upper leg	Not assessed
Lower leg	Not assessed
Foot score	Not assessed
Structure	Not assessed



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