

Crash Tests

New Car Safety

Volkswagen Passat

06/2009 on 06/2012 - Frontal+Side+Head

Overall Evaluation



Overall Score

Variant: CC Diesel

33.99 out of 37

Engine: 1.9 litre

Category: Medium Car

The diesel left-hand-drive European Passat sedan 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. Volkswagen provided evidence to ANCAP that the Passat CC with diesel engine can be expected to provide comparable protection to the sedan tested by Euro NCAP.

Model History and Safety Features

The Passat CC was introduced in Australia during 2009. This ANCAP 5-star rating applies to the diesel variant of the Passat CC. Dual front airbags, side airbags and head-protecting side curtains are standard equipment. Antilock brakes (ABS) with electronic brakeforce distribution (EBD), emergency brake assist, daytime running lights and electronic stability control (ESC) are also standard. Intelligent seat belt reminders are fitted to both front seats. A reversing camera is available. Pretensioners are fitted to all seat belts to reduce slack in the event of a crash. There is no centre rear seat.

Overall Evaluation: 5

5 Stars. The Passat scored 13.99 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 and a slight risk of serious chest and leg injury for the passenger. The vehicle scored 16 out of 16 in the side impact crash test. 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 3.97 pts, upper legs 3 pts, lower legs 3.02 pts.

The passenger compartment held its shape well in the offset crash test. The brake pedal moved rearwards by 22 mm and downwards 5mm. The steering wheel hub moved forwards 31mm, downwards 4mm and sideways 5 mm. The front ("A") pillar moved 6 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 4 pts, abdomen 4 pts, pelvis 4 pts.

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

Pedestrian rating (v4.1)



This rating is based on the Passat sedan tested by Euro NCAP. The Passat CC has a slightly lower ride height and this may affect pedestrian protection.

Child head impacts	7.46
Adult head impacts	3.06
Upper leg impacts	Zero
Lower leg impacts	6
Total (out of 36)	16.52

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	333	265	45
- Acceleration (g for 3ms)	42.4	38.9	20.2
Neck			
- Shear (kN)	0.34	0.57	
- Tension (kN)	1	0.61	
- Extension (Nm)	18.3	20.2	
Chest			
- Acceleration (g for 3ms)			
- Compression (mm)	20.29	22.2	19.6
- Viscous Criterion (m/s)	0.07	0.06	0.28
Abdomen			
- Force (kN)			0.78
Pelvis			
- Force (kN)			0.01
Upper Legs Force (kN)			
- Left	0.35	0.2	
- Right	0.81	0.42	
Knee Displacement (kN)			
- Left	0	0	
- Right	0	0	
Lower Legs Force (kN)			
- Left	2.15	2.14	
- Right	3.15	1.59	
Index (Upper Lower)			
- Left	0.54 0.27	0.52 0.27	
- Right	0.62 0.58	0.39 0.22	

Bonus points (maximum 5)

Pole Test: 2 pts

Seat Belt Reminders: 2

Modifiers for offset test scores

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

Modifiers for side impact test scores

Head	
Chest	No deduction
Upper leg	
Lower leg	
Foot score	
Structure	



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