

Crash Tests

New Car Safety

Volkswagen Golf

01/2005 on 06/2008 - Frontal+Side+Head

Overall Evaluation



Overall Score

Variant: Golf 5 (5 door hatch only)

32.83 out of 37

Engine: 1.6 litre

Category: Small Car

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.

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 Volkswagen Golf was introduced in Australia during 2004 but advanced seat belt reminders were not standard on all vehicles until 2005.

Dual front airbags, side airbags and head-protecting side curtains are standard equipment. ABS brakes are also standard. 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.

Overall Evaluation: 5

The VW Golf scored 12.83 out of 16 in the offset crash test. Protection from serious leg injury was marginal for the driver and there was a slight risk of serious chest injury for the driver and 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. Two bonus points for advanced seat belt reminders gained the vehicle a 5 star rating.

Frontal Offset Crash Test

Body region scores out of 4 points each: Head/neck 4pts, chest 3.76pts, upper legs 2pts, lower legs 3.07pts.

The passenger compartment held its shape well in the offset crash test. The brake pedal moved rearwards by 13mm and the accelerator pedal moved downwards 17mm. The steering wheel hub moved forwards 51mm, downwards 15mm and sideways 5mm. The front ("A") pillar moved 5mm rearwards. The width of the driver's doorway shortened by 5mm. 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. Dash components were a potential source of injury for the driver's knees.

Side Impact Crash Test

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

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. Euro NCAP reports that the first test was disappointing but, after improvements were made, the vehicle earned a further two points in a re-run of the test.

Pedestrian rating (v4.1)



18.83 points out of 36.

Child head impacts 4.93pts;

Adult head impacts 4pts;

Upper leg 4.46pts and lower leg impacts 5.44pts.

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	Passn	Driver
Head			
- HIC	353	410	42
- Acceleration (g for 3ms)	43.15	53.73	21.56
Neck			
- Shear (kN)	0.48	0.48	
- Tension (kN)	1.19	0.9	
- Extension (Nm)	13.13	8.96	
Chest			
- Acceleration (g for 3ms)			
- Compression (mm)	23.68	22.34	13.53
- Viscous Criterion (m/s)	0.08	0.05	0.07
Abdomen			
- Force (kN)			0.34
Pelvis			
- Force (kN)			0.14
Upper Legs Force (kN)			
- Left	0.38	0.24	
- Right	1.51	0.16	
Knee Displacement (kN)			
- Left	0.61	0	
- Right	4.11	0	
Lower Legs Force (kN)			
- Left	1.84	1.56	
- Right	3.22		
Index (Upper Lower)			
- Left	0.49 0.31	0.39 0.22	
- Right	0.58 0.61	0.4 0.2	

Bonus points (maximum 5)

Pole Test: 2 points

Seat Belt Reminders: Fitted to both front seats - 2 points

Modifiers for offset test scores

Head	No deduction
Chest	No deduction
Upper leg	Variable & conc. loading
Lower leg	2 pt deduction L&R
Foot score	No deduction
Structure	Score 4 points
	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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