Crash Tests

New Car Safety

Volkswagen Golf

03/2009 on 03/2013 - Frontal+Side+Head+Knee

Overall Evaluation

Overall Score **35.72 out of 37**
Variant: Golf 6 (5 door hatch only) Engine: 1.4
Category: Small Car

LHD
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 Golf 6 was introduced in Australia and New Zealand during 2009.

Dual front airbags, side airbags, head-protecting side curtains and a driver knee airbag are standard equipment. Antilock brakes (ABS), electronic brakeforce distribution (EBD), emergency brake assist and electronic stability control (ESC) are also standard. Intelligent 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. Pretensioners 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 (lap) seat belt.

Overall Evaluation: 5

5 Stars. The Golf scored 15.73 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 15.99 out of 16 in the side impact crash test. There was a very slight risk of serious chest injury for the driver. A further two points were earned 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 4 pts, lower legs 3.73 pts.
The passenger compartment held its shape well in the offset crash test. The brake pedal moved rearwards by 9 mm. The accelerator pedal moved downwards 6mm. The steering wheel hub moved 65mm forward, 22mm downward and 2 mm sideways. The front ("A") pillar moved 6 mm rearwards. All doors remained closed during the crash. After the crash all doors could be opened with normal effort.
The airbag cushioned the head of the driver and contact was stable. A knee airbag protected 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 3.99 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 (v4.2)

The bumper scored maximum points and the front edge of the bonnet was rated as good in some areas. The protection offered by the bonnet to the head of a struck child was rated as predominantly good but that offered to an adult pedestrian was mostly poor.

Child head impacts	8
Adult head impacts	4
Upper leg impacts	3.88
Lower leg impacts	6
Total (out of 36)	21.88

Offset crash test at 64km/hr



Injury Measurements

Refer to the information sheet 'How the tests are done'	Offset Crash Test at 64km/h (v4.2)		Side Impact Crash Test aa 50km/h (v4.2)
	Driver	Passn	Driver
Head			
- HIC	410	418	73
- Acceleration (g for 3ms)	48.5	53.1	27.4
Neck			
- Shear (kN)	0.33	0.39	
- Tension (kN)	1.29	0.08	
- Extension (Nm)	12.5	11.4	
Chest			
- Acceleration (g for 3ms)			
- Compression (mm)	18.41	20.32	22.05
- Viscous Criterion (m/s)	0.07	0.06	0.15
Abdomen			
- Force (kN)			0.57
Pelvis			
- Force (kN)			1.73
Upper Legs Force (kN)			
- Left	1.01	0.3	
- Right	0.88	0.41	
Knee Displacement (kN)			
- Left	2.3	0	
- Right	1.6	0.1	
Lower Legs Force (kN)			
- Left	2.4	1.48	
- Right	2.14	1.82	
Index (Upper | Lower)			
- Left	0.34 | 0.41	0.3 | 0.29	
- Right	0.33 | 0.22	0.37 | 0.17	

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	No deduction
Lower leg	No deduction
Foot score	4 pts
Structure	

Modifiers for side impact test scores

Head	
Chest	No deduction
Upper leg	
Lower leg	
Foot score	
Structure	

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