

Crash Tests

New Car Safety

Volkswagen Transporter

03/2008 on 01/0001 - Dual Frontal

Overall Evaluation



Overall Score

26.93 out of 37

Variant: Bus (LHD)

Engine: 2 litre diesel
Category: Van

Safety equipment, as tested, not standard on all variants.

The diesel left-hand-drive European small bus 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. The Transporter van can be expected to provide similar front occupant protection to the small bus tested by Euro NCAP.

Model History and Safety Features

The tested model of VW Transporter was introduced in Australia during 2008. A driver airbag and antilock brakes (ABS) with electronic brake distribution (EBD) are standard equipment. A passenger airbag is optional on the 1.9TDI variant and standard on the other variants. Side airbags and head-protecting side curtains and electronic stability control (ESC) are optional, although ESC is not available for the Citivan in Australia. Some New Zealand variants have more standard safety features. 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. Three point seat belt are fitted to all seats. These provide better protection than a two point (lap) seat belt.

Overall Evaluation: 4

4 Stars. The Transporter scored 10.93 out of 16 in the offset crash test. The passenger compartment held its shape well except for clutch pedal movement. Protection from serious leg injury was marginal for the driver and passenger. There was a moderate risk of serious chest injury for the passenger. The vehicle scored 16 out of 16 in the side impact crash test. This is the first 4 star van rated by ANCAP.

Frontal Offset Crash Test

Body region scores out of 4 points each: Head/neck 4 pts, chest 2.15 pts, upper legs 2 pts, lower legs 2.78 pts.

The passenger compartment held its shape well in the offset crash test except that clutch pedal moved rearwards by 116 mm and upwards 92 mm. The steering wheel hub moved 61 mm forward, 2mm downward and 21 mm sideways. The front ("A") pillar moved 3 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. Steering column and dash components were a potential source of injury for the driver's knees. The passenger's head was cushioned by the airbag. Passenger head protection might not be as good without the airbag. Dash and centre console components were a potential knee hazard for the passenger.

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 side impact test simulates a small car striking the driver's door of the vehicle under test. It is based on a regulation test but the regulation does not apply to vehicles with a high seat height like the Transporter. Experience shows that such vehicles can be expected to perform well in this test and the Transporter scored full marks.

Pedestrian rating (v4.1)



Both the bumper and the front edge of the bonnet scored no points for its protection of pedestrians' legs. The bonnet was rated as predominantly weak for the protection it offered to the head of a struck adult or child. Child head impacts 1.33

Adult head impacts 1.88
Upper leg impacts Zero
Lower leg impacts Zero
Total (out of 36) 3.21

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	457	436	72
- Acceleration (g for 3ms)	50.9	55.7	41.9
Neck			
- Shear (kN)	0.49	0.43	
- Tension (kN)	1.82	1.03	
- Extension (Nm)	29.3	10.9	
Chest			
- Acceleration (g for 3ms)			
- Compression (mm)	30.36	34.94	17.08
- Viscous Criterion (m/s)	0.16	0.15	0.06
Abdomen			
- Force (kN)			0.25
Pelvis			
- Force (kN)			0.51
Upper Legs Force (kN)			
- Left	0.2	2.23	
- Right	0.64	1.04	
Knee Displacement (kN)			
- Left	0.1	0	
- Right	0.2	0.4	
Lower Legs Force (kN)			
- Left	1.51	2.22	
- Right	1.58	2.68	
Index (Upper Lower)			
- Left	0.45 0.18	0.34 0.18	
- Right	0.38 0.22	0.5 0.17	

Bonus points (maximum 5)

Pole Test: Not eligible no head-protecting side airbags

Seat Belt Reminders: None

Modifiers for offset test scores

Head	No deduction
Chest	No deduction
Upper leg	Variable & conc loading 2pt deduction L&R Drv & Pass
Lower leg	No deduction
Foot score	3.36pts
Structure	

Modifiers for side impact test scores

Head	
Chest	No deduction
Upper leg	
Lower leg	
Foot score	
Structure	



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New Car Assessment Program
PO Box 1555
Canberra ACT Australia 2601