

# Crash Tests

## New Car Safety

### Chrysler Voyager

06/2006 on 09/2007 - Frontal+Side

#### Overall Evaluation



#### Overall Score

**16.49 out of 37**

Variant: LX Premium LWB

Engine: 2.8 litre diesel  
Category: MPV

The diesel 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. There is no diesel variant in Australia.

#### Model History and Safety Features

The current Chrysler Voyager was introduced in Australia during 2001 and side curtains became available in 2005. Dual front airbags and head-protecting side curtains are standard equipment. Antilock brakes (ABS) are also standard. 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 vent of a crash.

#### Overall Evaluation: 2

2 Stars. The Chrysler Voyager diesel scored 3.15 out of 16 in the offset crash test. The passenger compartment did not hold its shape well. Protection from serious leg and chest injury was poor for the driver. The vehicle scored 15.68 out of 16 in the side impact crash test. There was a slight risk of serious abdomen injury for the driver. In the optional pole test the curtain did not deploy as intended and one point was awarded for this test. The low offset score meant that the vehicle was limited to a 2 star rating and an overall score of 16.49 (the maximum available for a 2 star rating under the ANCAP protocols).

#### Frontal Offset Crash Test

Body region scores out of 4 points each: Head/neck 3.15 pts, chest zero pts, upper legs zero pts, lower legs zero pts. The passenger compartment did not hold its shape well in the offset crash test. The accelerator pedal moved rearwards by 288mm and upwards by 84mm. The steering wheel hub moved rearwards 107mm, upwards 79mm and sideways 2mm. The front ("A") pillar moved 90mm rearwards. All doors remained closed during the crash. After the crash tools were required to open the driver's door. The airbag cushioned the head of the driver and contact was stable but the driver's chest contacted the steering wheel. 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.

#### Side Impact Crash Test

Body region scores out of 4 points each: Head 4 pts, chest 4 pts, abdomen 3.68 pts, pelvis 4 pts. 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 but the vehicle lost one point due to an airbag deployment problem.

#### Pedestrian rating (v4.1)

( 0 stars)

Child head impacts: zero.  
Adult head impacts: 0.350.  
Upper leg impacts: zero.  
Lower leg impacts: zero.  
Total (out of 36): 0.350

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 at 50km/h (v4.1) Driver
	Driver	Passn	
Head			
- HIC	737	267	68
- Acceleration (g for 3ms)	71.8	41.5	29.2
Neck			
- Shear (kN)	0.41	0.46	
- Tension (kN)	1.99	0.37	
- Extension (Nm)	10.7	11.8	
Chest			
- Acceleration (g for 3ms)			
- Compression (mm)	53.64	28.29	14.52
- Viscous Criterion (m/s)	0.85	0.13	0.12
Abdomen			
- Force (kN)			1.12
Pelvis			
- Force (kN)			0.53
Upper Legs Force (kN)			
- Left	5.42	0.45	
- Right	6.33	2.37	
Knee Displacement (kN)			
- Left	1.7	0.2	
- Right	1.4	3	
Lower Legs Force (kN)			
- Left	1.53	1.64	
- Right	1.9	1.63	
Index (Upper   Lower)			
- Left	0.46   0.67	0.34   0.14	
- Right	0.36   1.51	0.35   0.4	

#### Bonus points (maximum 5)

Pole Test: 1 pt  
Seat Belt Reminders: none

#### Modifiers for offset test scores

Head	Steer column rearward	0.85 pt deduction
Chest	loss of structure, chest contact steering wheel	1 pt deduction, 1 pt deduction
Upper leg	variable & Conc. loading	2 pt deduction L & R for driver & passenger.
Lower leg	pedal upward	0.75 pt deduction
Foot score	pedal rearward	zero points
Structure		

#### Modifiers for side impact test scores

Head		
Chest		no deduction
Upper leg		
Lower leg		
Foot score		
Structure	pole test airbag deployment	1 pt deduction



Version 1, Published on: 16/08/2007  
Published by  
New Car Assessment Program  
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