

# Crash Tests

## New Car Safety

### Skoda Octavia

03/2007 on 10/2013 - Frontal+Side

#### Overall Evaluation



#### Overall Score

Variant: Ambiente

28.73 out of 37

Engine: 1.6 litre

Category: Medium Car

The right-hand-drive European model without side curtains 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 Skoda Octavia was introduced in New Zealand and Australia during 2007.

Dual front airbags, side airbags and head-protecting side curtains are standard equipment in Australasia. Side curtains were not fitted to the vehicle tested by Euro NCAP. Antilock brakes (ABS) with electronic brake distribution (EBD) and Electronic stability control (ESC) are also standard. The Australasian model also has intelligent seat belt reminders for 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: 4

4 Stars. The Skoda Octavia scored 10.73 out of 16 in the offset crash test. The passenger compartment held its shape well. Protection from serious leg injury was marginal for the driver.

The vehicle scored 16 out of 16 in the side impact crash test.

#### Frontal Offset Crash Test

Body region scores out of 4 points each: Head/neck 4 pts, chest 2.82 pts, upper legs 2 pts, lower legs 1.91 pts.

The passenger compartment held its shape well in the offset crash test. The brake pedal moved rearwards by X66 mm. The accelerator pedal moved upwards 8 mm. The steering wheel hub moved forwards 33mm, downwards 5mm and sideways 10 mm. The front ("A") pillar moved 13 mm rearwards. All doors remained closed during the crash. After the crash the driver's door could be opened with high manual 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

#### 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 tested by Euro NCAP was not eligible for an optional pole impact test, since it did not have head-protecting side airbags. This test can earn a further two points.

#### Pedestrian rating (v4.1)



|                    |       |
|--------------------|-------|
| Child head impacts | 7.71  |
| Adult head impacts | 4     |
| Upper leg impacts  | 2     |
| Lower leg impacts  | 3.42  |
| Total (out of 36)  | 17.13 |

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                             | Passn       | Driver                                  |
| Head                                                    |                                    |             |                                         |
| - HIC                                                   | 382                                | 345         | 36                                      |
| - Acceleration (g for 3ms)                              | 50                                 | 50.9        | 18                                      |
| Neck                                                    |                                    |             |                                         |
| - Shear (kN)                                            | 0.81                               | 0.49        |                                         |
| - Tension (kN)                                          | 1.19                               | 0.87        |                                         |
| - Extension (Nm)                                        | 10.9                               | 34.1        |                                         |
| Chest                                                   |                                    |             |                                         |
| - Acceleration (g for 3ms)                              |                                    |             |                                         |
| - Compression (mm)                                      | 30.27                              | 20.82       | 21.86                                   |
| - Viscous Criterion (m/s)                               | 0.14                               | 0.06        | 0.11                                    |
| Abdomen                                                 |                                    |             |                                         |
| - Force (kN)                                            |                                    |             | 0.6                                     |
| Pelvis                                                  |                                    |             |                                         |
| - Force (kN)                                            |                                    |             | 1.8                                     |
| Upper Legs Force (kN)                                   |                                    |             |                                         |
| - Left                                                  | 3.17                               | 0.25        |                                         |
| - Right                                                 | 2.68                               | 0.12        |                                         |
| Knee Displacement (kN)                                  |                                    |             |                                         |
| - Left                                                  | 0.34                               | 1.53        |                                         |
| - Right                                                 | 0.31                               | 2.41        |                                         |
| Lower Legs Force (kN)                                   |                                    |             |                                         |
| - Left                                                  | 4.5                                | 1.91        |                                         |
| - Right                                                 | 2.08                               | 2.29        |                                         |
| Index (Upper   Lower)                                   |                                    |             |                                         |
| - Left                                                  | 0.87   0.76                        | 0.43   0.46 |                                         |
| - Right                                                 | 0.51   0.3                         | 0.36   0.19 |                                         |

#### Bonus points (maximum 5)

Pole Test: Not eligible no head protecting side airbags

Seat Belt Reminders: 2 (Australasian model)

#### Modifiers for offset test scores

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

#### Modifiers for side impact test scores

|            |              |
|------------|--------------|
| Head       | No deduction |
| Chest      |              |
| Upper leg  |              |
| Lower leg  |              |
| Foot score |              |
| Structure  |              |



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