

# Crash Tests

## New Car Safety

### Suzuki Swift

03/2005 on 12/2010 - Frontal+Side+Head

#### Overall Evaluation



#### Overall Score

28.52 out of 37

Variant: 5 door hatch

Engine: 1.3 litre

Category: Small Car

#### Left Hand Drive

The left hand drive European Model was tested by EuroNCAP. 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 Suzuki Swift was introduced in Australia in early 2005. The Australian Model has a 1.5 litre engine. Dual front airbags and ABS brakes are standard on all variants. Head-protecting side curtains, as tested by EuroNCAP, are standard on the Swift S variant but are not available on other variants in Australia. The European model has an advanced seat belt reminder for the driver seat and earned a bonus point - the Australian model does not have this feature. 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 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: 4

4 Stars. The Suzuki Swift scored 10.79 out of 16 in the offset crash test. Protection from serious chest and leg injury was marginal for the driver. Upper leg protection was marginal for the passenger. The vehicle scored 15.73 out of 16 in the side impact crash test. There was a slight risk of serious chest injury for the driver. A further 2 points were scored in the optional pole test.

#### Frontal Offset Crash Test

Body region scores out of 4 points each: Head 4pts, chest 3.73pts, abdomen 4pts, pelvis 4pts.

The passenger compartment held its shape well in the offset crash test. The brake pedal moved rearwards by 114mm and upwards 52mm. The steering wheel hub moved forwards 11mm, upwards 29mm and sideways 4mm. The front ("A") pillar moved 20mm rearwards. The width of the driver's doorway shortened by 22mm. 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. 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. Dash components were a potential source of injury for the passenger's inboard knee.

#### Side Impact Crash Test

Body region scores out of 4 points each: Head 4pts, chest 3.73pts, abdomen 4pts, pelvis 4pts. The vehicle was eligible for an optional pole 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 and the vehicle earned a further two points.

#### Pedestrian rating (v4.1)



Child Head impacts: 8  
Adult Head impacts: 4  
Upper leg impacts: 2.06  
Lower leg impacts: 5.77  
Total (out of 36): 19.83

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	321	578	40.46
- Acceleration (g for 3ms)	42.68	64.06	24.16
Neck			
- Shear (kN)	0.64	0.45	
- Tension (kN)	1.3	1.08	
- Extension (Nm)	25.03	15.31	
Chest			
- Acceleration (g for 3ms)			
- Compression (mm)	31.4	30.72	19.57
- Viscous Criterion (m/s)	0.2	0.2	0.15
Abdomen			
- Force (kN)			0.96
Pelvis			
- Force (kN)			1.87
Upper Legs Force (kN)			
- Left	0.43	1.31	
- Right	1.26	0.09	
Knee Displacement (kN)			
- Left	0.31	0	
- Right	0	0	
Lower Legs Force (kN)			
- Left	2.22	2.33	
- Right	2.97	1.9	
Index (Upper   Lower)			
- Left	0.56   0.65	0.6   0.24	
- Right	0.82   0.82	0.55   0.3	

#### Bonus points (maximum 5)

Pole Test: 2 points

Seat Belt Reminders: None in Australia

#### Modifiers for offset test scores

Head	No deduction
Chest	No deduction
Upper leg	Variable & Conc. loading Driver & Passenger 2 pt deduction L&R, 2 pt deduction L
Lower leg	No deduction
Foot score	3.37 points
Structure	

#### Modifiers for side impact test scores

Head		
Chest	T12 load	0.27 pt deduction
Upper leg		
Lower leg		
Foot score		
Structure		



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