

Crash Tests

New Car Safety

SUZUKI SWIFT (LHD)

2005 on Front + side & head airbags

Occupant Protection



Occupant Protection Score 28.52 out of 37

Variant: 5 DR HATCH Eng: 1.3 litre (Europe)

Kerb weight: 1010 kg Category: SMALL CAR

Vehicles built: 2004 Test by Euro NCAP

Important note: 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 Suzuki Swift was introduced in Australia early in 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 Euro NCAP*, 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 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 seat belt.

OCCUPANT PROTECTION : 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/neck 4pts, chest 2.66pts, upper legs 2pts, lower legs 2.13pts.

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 impact test, since it had head-protecting side airbags and scored four points for the



Offset crash test at 64km/h

head in the side impact test. The manufacturer decided to go ahead with the pole test and the vehicle earned a further two points.

INJURY MEASUREMENTS

Refer to the information sheet "How the test are done"	Offset Crash Test at 64km/h (v4.1)		Side Impact Crash Test at 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 Accln (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 Left (kN)	0.43	1.31	
Upper legs Force Right (kN)	1.26	0.09	
Knee displ (mm) Left	0.31	0	
Knee displ (mm) Right	0	0	
Lower legs Force Left (kN)	2.22	2.33	
Lower legs Force Right (kN)	2.97	1.90	
Index (Upper/Low) Left	0.56/0.65	0.6/0.24	
Index (Upper/Low) Right	0.82/0.82	0.55/0.3	

Bonus points (maximum 5)

Pole Test: 2 pts Seat belt reminders: None in Australia

Modifiers - offset test scores

Head No deduction
 Chest No deduction
 Upper leg Variable & conc. loading Drv 2pt deduction L & R
 Variable & conc. loading Passn 2pt deduction L
 Lower leg No deduction
 Foot score Blocked pedal Score 3.37 points

Modifiers - side impact test scores

Chest T12 load 0.27pt deduction

PEDESTRIAN PROTECTION RATING (v4.1)

Child head impacts	8	Upper leg impacts	2.06
Adult head impacts	4	Lower leg impacts	5.77
Total (out of 36)	19.83	★★★★☆	



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