

Crash Tests

New Car Safety

Toyota Yaris

07/2005 on 10/2011 - Frontal+Side+Head

Overall Evaluation



Overall Score

Variant: 5 Dr Hatch (with safety pack)

34.95 out of 37

Engine: 1 Litre
Category: Light Car

Vehicles tested after 1 January 2008 will require Electronic Stability Control in order to achieve a 5 star rating. This vehicle was tested prior to this date and may or may not meet this new requirement.

Important note: The left-hand-drive European model with 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. The tested vehicle had airbags that come with an optional safety pack in Australia.

Model History and Safety Features

The tested model of Toyota Yaris was introduced in Australia during 2005.

Dual front airbags and ABS/EBD brakes are standard. Side airbags, head-protecting side curtains and a knee airbag for the driver are available in a safety pack that is recommended by ANCAP. The tested vehicle had these extra airbags. A separate ANCAP report is available for a Yaris without the extra airbags. Advanced seat belt reminders are fitted to 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. 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.

Overall Evaluation: 5

The Toyota Yaris scored 15.2 out of 16 in the offset crash test. The passenger compartment held its shape well. There was a slight risk of serious chest injury for the driver and passenger.

The vehicle scored 15.75 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 4 pts, chest 3.2 pts, upper legs 4 pts, lower legs 4 pts.

The passenger compartment held its shape well in the offset crash test. The brake pedal moved rearwards by 70 mm and upwards 12 mm. The steering wheel hub moved forwards 18mm, upwards 41 mm and sideways 2 mm. The front ("A") pillar moved 25 mm rearwards. All doors remained closed during the crash.

Airbags cushioned the head of the driver and passenger and each contact was stable.

Side Impact Crash Test

Body region scores out of 4 points each: Head 4 pts, chest 3.75 pts, abdomen 4 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 and the vehicle earned a further two points.

Pedestrian rating (v4.1)



Child head impacts	5.08
Adult head impacts	4.13
Upper leg impacts	2.9
Lower leg impacts	5.52
Total (out of 36)	17.63

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	602	262	54
- Acceleration (g for 3ms)	57.9	42.8	21.5
Neck			
- Shear (kN)	0.33	0.66	
- Tension (kN)	1.96	1.16	
- Extension (Nm)	22	31	
Chest			
- Acceleration (g for 3ms)			
- Compression (mm)	27.59	26.48	23.27
- Viscous Criterion (m/s)	0.11	0.11	0.13
Abdomen			
- Force (kN)			0.72
Pelvis			
- Force (kN)			2.41
Upper Legs Force (kN)			
- Left	1.83	1.84	
- Right	2.17	0.09	
Knee Displacement (kN)			
- Left	1.76	4.76	
- Right	4.73	0	
Lower Legs Force (kN)			
- Left	1.71	1.83	
- Right	1.61	1.84	
Index (Upper Lower)			
- Left	0.33 0.33	0.33 0.28	
- Right	0.23 0.2	0.38 0.2	

Bonus points (maximum 5)

Pole Test: 2 points

Seat Belt Reminders: Fitted to both front seats - 2 points

Modifiers for offset test scores

Head	No deduction
Chest	No deduction
Upper leg	No deduction
Lower leg	No deduction
Foot score	Score 4 points
Structure	

Modifiers for side impact test scores

Head	
Chest	No deduction
Upper leg	
Lower leg	
Foot score	
Structure	



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