

Crash Tests

New Car Safety

Toyota Corolla

06/2007 on 10/2010 - Frontal+Side+Head

Overall Evaluation



Overall Score

Variant: 4 Dr Sedan

33.63 out of 37

Engine: 4 cyl

Category: Small 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.

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 Toyota Corolla sedan was introduced in Australia during 2007. Dual front airbags are standard equipment. Antilock brakes (ABS) with electronic brake distribution (EBD) are also standard. Side airbags, a driver knee airbag and head-protecting side curtains are optional on the Ascent variant and standard on the other variants. Intelligent 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 (lap) seat belt.

Overall Evaluation: 5

5 stars. The Toyota Corolla sedan score 14.63 out of 16 in the offset crash test. The passenger compartment held its shape well. There was a slight risk of chest injury for the driver and passenger. The vehicle scored 16 out of 16 in the side impact crash test and one point in the optional pole test.

Frontal Offset Crash Test

Body region scores out of 4 points each: Head/neck 4 pts, chest 2.81 pts, upper legs 4 pts, lower legs 3.82 pts. The passenger compartment held its shape well in the offset crash test. The brake pedal moved rearwards by 76mm. The clutch pedal moved upwards 6mm. The steering wheel hub moved forwards 30mm, upwards 1 mm and sideways 6mm. The front ("A") pillar moved 9mm rearwards. 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. There were no knee modifiers. 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 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. A door opened during the crash and so the vehicle earned 1 out of 2 available points.

Pedestrian rating (v4.1)



Child head impacts: 8.86
Adult head impacts: 7.5
Upper leg impacts: 0.92
Lower leg impacts: 5.86
Total (out of 36): 23.14

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	444	275	63
- Acceleration (g for 3ms)	51.1	42	23.4
Neck			
- Shear (kN)	0.43	0.48	
- Tension (kN)	1.83	1.15	
- Extension (Nm)	8.3	19	
Chest			
- Acceleration (g for 3ms)			
- Compression (mm)	27.94	30.34	18.23
- Viscous Criterion (m/s)	0.07	0.1	0.1
Abdomen			
- Force (kN)			0.6
Pelvis			
- Force (kN)			1.46
Upper Legs Force (kN)			
- Left	1.27	1.02	
- Right	1.03	0.05	
Knee Displacement (kN)			
- Left	0.1	1.3	
- Right	0.9	0.3	
Lower Legs Force (kN)			
- Left	2.16	1.8	
- Right	1.87	1.77	
Index (Upper Lower)			
- Left	0.44 0.2	0.26 0.16	
- Right	0.24 0.29	0.29 0.13	

Bonus points (maximum 5)

Pole Test: 1 pt

Seat Belt Reminders: 2

Modifiers for offset test scores

Head		no deduction
Chest		no deduction
Upper leg	variable & Conc. loading	no deduction
Lower leg		no deduction
Foot score	blocked pedal	3.85 pts
Structure		

Modifiers for side impact test scores

Head		
Chest		no deduction
Upper leg		
Lower leg		
Foot score		
Structure	pole test door opened during test	1 pt deduction



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New Car Assessment Program
PO Box 1555
Canberra ACT Australia 2601