

Crash Tests

New Car Safety

Toyota Camry

09/2002 on 06/2006 - Dual Frontal

Overall Evaluation



Overall Score

Variant: Altise 4 Dr Sedan

26.31 out of 37

Engine: 2.4 Litre, 4 Cyl
Category: Large Car

Model History and Safety Features

The tested model of TOYOTA CAMRY was introduced in 2002.

Dual front airbags are standard equipment. Side airbags are standard on some variants and available as an option on others. The tested vehicles did not have side airbags. ABS brakes are standard on all variants.

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. These seat belts also have load limiters. 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

The TOYOTA CAMRY scored 11.57 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. Chest protection was marginal for the passenger.

The vehicle scored 14.74 out of 16 in the side impact crash test. There was a slight risk of serious chest injury for the driver.

Frontal Offset Crash Test

Body region scores out of 4 points each: Head/neck 4pts, chest 2.66pts, upper legs 3pts, lower legs 1.91pts.

The passenger compartment held its shape well in the offset crash test. The brake pedal moved rearwards by 66mm and upwards 30mm, relative to the driver's seat. There was a slight separation of footwell panels, visible from underneath the vehicle. No gap was evident from inside and structure was maintained. The dash moved 23mm towards the driver. The steering wheel hub moved rearwards 39mm, upwards 27mm and sideways 29mm. The front ("A") pillar moved 29mm rearwards. The width of the driver's doorway shortened by 29mm. All doors remained closed during the crash. After the crash the doors opened normally.

The airbag cushioned the head of the driver and contact was stable. Steering column components were a potential source of injury for the driver's knees. The passenger's head was cushioned by the airbag. The passenger's knees hit the glove box and dash.

Side Impact Crash Test

Body region scores out of 4 points each: Head 4pts, chest 2.82pts, abdomen 3.92pts, pelvis 4pts.

The vehicle was not eligible for a Pole Impact Test since it did not have head-protecting side airbags. This test can earn eligible vehicles an extra two points.

Pedestrian rating (v3)



6.86 points out of 36 (19%);
Child head impacts 6.45pts;
Adult head impacts 0.4pts;
Upper leg zero pts;
Lower leg impacts zero pts.

Offset crash test at 64km/hr



Injury Measurements

Refer to the information sheet 'How the tests are done'	Offset Crash Test at 64km/h (v3.1)		Side Impact Crash Test aa 50km/h (v3.1) Driver
	Driver	Passn	
Head			
- HIC	266	250	75
- Acceleration (g for 3ms)	40.3	40.2	37.4
Neck			
- Shear (kN)	0.44	0.59	
- Tension (kN)	1.01	1.2	
- Extension (Nm)	32.2	17.7	
Chest			
- Acceleration (g for 3ms)	37.7	29.4	
- Compression (mm)	27.83	31.36	27.9
- Viscous Criterion (m/s)	0.08	0.1	0.35
Abdomen			
- Force (kN)			1.03
Pelvis			
- Force (kN)			2.31
Upper Legs Force (kN)			
- Left	0.38	0.19	
- Right	0.34	0.27	
Knee Displacement (kN)			
- Left	0.33	0.08	
- Right	0.88	0.04	
Lower Legs Force (kN)			
- Left	1.74	2.64	
- Right	1.56	1.65	
Index (Upper Lower)			
- Left	0.34 0.51	0.39 0.36	
- Right	0.36 0.87	0.32 0.19	

Bonus points (maximum 5)

Pole Test: Not eligible - zero points

Seat Belt Reminders: None fitted - zero points

Modifiers for offset test scores

Head	No deduction
Chest	No deduction
Upper leg	conc. loading
Lower leg	1 pt deduction L
Foot score	No deduction
Structure	Score 4 pts
	No deduction

Modifiers for side impact test scores

Head	Not assessed
Chest	Not assessed
Upper leg	Not assessed
Lower leg	Not assessed
Foot score	Not assessed
Structure	Not assessed



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