

# Crash Tests

## New Car Safety

### Subaru Tribeca

09/2006 on 01/0001 - Frontal+Side+Head

#### Overall Evaluation



**Overall Score**  
Variant: Wagon

**33.07 out of 37**  
Engine: 3 Litre V6  
Category: Large SUV

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.

#### Model History and Safety Features

Dual front airbags, side airbags and head-protecting side curtains are standard equipment. ABS/EBD brakes, electronic stability control and a rear vision camera are also standard. 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 Subaru Tribeca scored 13.07 out of 16 in the offset crash test. The passenger compartment held its shape well. Protection from serious chest injury was marginal for the driver.

The vehicle scored 16 out of 16 in the side impact crash test and a further two points in the optional pole test.

#### Frontal Offset Crash Test

Body region scores out of 4 points each: Head/neck 4 pts, chest 1.96 pts, upper legs 4 pts, lower legs 3.11 pts.

The passenger compartment held its shape well in the offset crash test. The accelerator pedal moved rearwards by 82 mm and upwards 31 mm. The steering wheel hub moved forwards 5mm, upwards 41 mm and sideways 36 mm. The front ("A") pillar did not move 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 hazards. 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 and the vehicle earned a further two points.

#### Pedestrian rating (v4.1)

( 0 stars)

A pedestrian test was not conducted on the Subaru Tribeca.

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
	Driver	Passn	
Head			
- HIC	411	348	44
- Acceleration (g for 3ms)	49	48	21.9
Neck			
- Shear (kN)	0.34	0.35	
- Tension (kN)	1.16	1.01	
- Extension (Nm)	25.9	21.7	
Chest			
- Acceleration (g for 3ms)	39.9	34.9	
- Compression (mm)	36.3	25.4	16
- Viscous Criterion (m/s)	0.19	0.08	0.08
Abdomen			
- Force (kN)			0.33
Pelvis			
- Force (kN)			1.28
Upper Legs Force (kN)			
- Left	0.46	0.41	
- Right	0.02	0.2	
Knee Displacement (kN)			
- Left	0.96	0.06	
- Right	0.44	0.03	
Lower Legs Force (kN)			
- Left	1.5	2.04	
- Right	1.2	1.53	
Index (Upper   Lower)			
- Left	0.44   0.6	0.49   0.36	
- Right	0.39   0.36	0.56   0.53	

#### 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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