

Crash Tests

New Car Safety

SUBARU OUTBACK

2004 on

Front+side+head airbags

Overall Evaluation



Pole test action shot

Overall score 35.52 out of 37

Variant: Wagon

Eng: 2.5 litre.

Kerb weight: 1439 kg Category: COMPACT 4WD

Vehicles built: 2/04 and 09/03 Tested in Japan

Note: These test results are based on crash tests of the Subaru Liberty. ANCAP was provided with evidence that the results also apply to the Subaru Outback. However, Liberty pedestrian results do not apply to the Outback.

Model History and Safety Features

The Subaru Outback was released in 2003. These test results apply to models built from 2004 with side curtains.

Dual front airbags are standard equipment on all models. ABS brakes are also standard. Side airbags with head protecting curtains are available as part of a safety pack. Electronic stability control is available as an option on some 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. A three point seat belt is fitted to the centre rear seat. This provides better protection than a two point seat belt. Advanced seat belt reminders are fitted to all seating positions.

OVERALL EVALUATION : 5 Stars

The Subaru Outback scored 14.52 out of 16 in the offset crash test. The passenger compartment held its shape very well in the offset crash test. There was a slight risk of chest and lower leg injury for the driver and passenger.

The vehicle scored 16 out of 16 in the side impact crash test. A further 2 points were scored in the optional pole test and three points were awarded for advanced seat belt reminders. With these extra points the Outback reached a total of 35.52 points - the highest scoring vehicle assessed by Australian NCAP.

FRONTAL OFFSET CRASH TEST

Body region scores out of 4 points each: Head/neck 4pts, chest 3.21pts, upper legs 4pts, lower legs 3.31pts.

The passenger compartment held its shape very well in the offset crash test. The brake pedal moved rearwards by 25mm and upwards 12mm. The steering wheel hub moved forwards 10mm and upwards 11mm. The front ("A") pillar moved 7mm rearwards. All doors remained closed during the crash. After the crash all doors could be opened with normal effort.

The airbag cushioned the head of the driver and contact was stable. The passenger's head was also cushioned by an airbag.

SIDE IMPACT CRASH TEST

Body region scores out of 4 points each: Head 4pts, chest 4pts, 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 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 (v4.0)		Side Impact Crash Test at 50km/h (v4.0)
	Driver	Passn	Driver
Head HIC	316	278	42
Acceleration (g for 3ms)	43.1	40.2	21.9
Neck - Shear (kN)	0.61	1.07	-
Tension (kN)	1.09	1.23	-
Extension (Nm)	30.4	15.4	-
Chest Accln (g for 3ms)	-	-	-
Compression (mm)	27.51	25.86	11.67
Viscous criterion (m/s)	0.19	0.15	0.06
Abdomen - Force (kN)	-	-	0.73
Pelvis - Force (kN)	-	-	0.95
Upper legs Force			
Left (kN)	0.61	0.35	
Right (kN)	0.24	0.29	
Knee displ (mm)			
Left	0.4	0.5	
Right	0.5	1.3	
Lower legs Force			
Left (kN)	1.55	1.95	
Right (kN)	1.52	2.48	
Index (Upper/Low)			
Left	0.27/0.37	0.37/0.24	
Right	0.48/0.25	0.48/0.55	

Bonus points (maximum 5)

Pole Test: 2pts Seat belt reminders: 3pts

Modifiers for offset test scores

Head No deduction
 Chest No deduction
 Upper leg Variable & conc. loading No deduction
 Lower leg No deduction
 Foot score Score 4 points

Modifiers for side impact score

Chest No deduction

Pedestrian rating - not tested



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