

Crash Tests

New Car Safety

Audi A4

03/2008 on 01/0001 - Frontal+Side+Head

Overall Evaluation



Overall Score

Variant: Sedan (LHD)

34.45 out of 37

Engine: 1.8 litre (4 cyl)

Category: Large Car

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 Audi A4 was introduced in Australia during 2008.

Dual front airbags, side airbags (front and rear) and head-protecting side curtains are standard equipment. Antilock brakes (ABS), electronic brake distribution (EBD) and electronic stability control (ESC) are also standard. 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. Pretensioners are fitted to the front seat belts to reduce slack in the event of a crash. All seat belts have load limiters. 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 Audi A4 scored 14.45 out of 16 in the offset crash test. The passenger compartment held its shape well. There was a slight risk of serious chest and leg injury 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 3.67 pts, upper legs 3 pts, lower legs 3.77 pts.

The passenger compartment held its shape well in the offset crash test. The brake pedal moved rearwards by 6 mm. The clutch pedal moved upwards 4 mm. The steering wheel hub moved 49mm forward, 15mm downward and 1 mm sideways. The front ("A") pillar moved 1 mm 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 side curtain deployed. Steering column components were a potential source of injury for the driver's knees. 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)



The bumper scored maximum points for its protection of pedestrian legs but the front edge of the bonnet scored none. The bonnet was rated as predominantly poor for the protection it offered to the head of a struck pedestrian. Child head impacts 5.27

Adult head impacts 2.68
Upper leg impacts Zero
Lower leg impacts 6
Total (out of 36) 13.95

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	198	257	44
- Acceleration (g for 3ms)	38.1	36.8	21
Neck			
- Shear (kN)	0.64	0.31	
- Tension (kN)	0.76	0.6	
- Extension (Nm)	10.4	18.1	
Chest			
- Acceleration (g for 3ms)			
- Compression (mm)	24.27	15.45	13.94
- Viscous Criterion (m/s)	0.11	0.04	0.05
Abdomen			
- Force (kN)			0.47
Pelvis			
- Force (kN)			1.1
Upper Legs Force (kN)			
- Left	0.08	0.11	
- Right	0	0.1	
Knee Displacement (kN)			
- Left	0	0	
- Right	0	0	
Lower Legs Force (kN)			
- Left	1.66	2.34	
- Right	2.1	1.96	
Index (Upper Lower)			
- Left	0.32 0.11	0.43 0.36	
- Right	0.45 0.33	0.28 0.14	

Bonus points (maximum 5)

Pole Test: 2 pts

Seat Belt Reminders: 2

Modifiers for offset test scores

Head

No deduction

Chest

No deduction

Upper leg

1pt deduction L & R

Lower leg

No deduction

Foot score

4 points

Structure

Modifiers for side impact test scores

Head

No deduction

Chest

Upper leg

Lower leg

Foot score

Structure



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