

Crash Test Results

New Car Safety

AUDI Q7 (LHD)

2006 on

Front+side+head airbags



Offset crash test at 64km/h

FRONTAL OFFSET CRASH TEST (v4.1)

Body region scores out of 4 points each: Head/neck 4 pts, chest 2.92 pts, upper legs 2 pts, lower legs 3 pts.

The passenger compartment held its shape well, except that there was separation of footwell panels. The clutch pedal moved rearwards 77 mm and upwards 11 mm. The steering wheel hub moved forwards 35mm, downwards 19mm and sideways 13mm. The front ("A") pillar moved 45 mm 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. Steering column components were a potential source of injury for the driver's knees. The passenger's head was cushioned by the airbag.

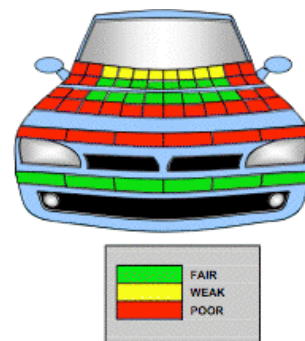
SIDE IMPACT CRASH TEST (v4.1)

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 PROTECTION RATING (v4.1)

PEDESTRIAN PROTECTION		
	Child head impacts	4
	Adult head impacts	5.35
	Upper leg impacts	Zero
	Lower leg impacts	6
	Total (out of 36)	15.35



Occupant Protection Score 29.92 out of 37

Variant: VR6

Eng: 3.6 V6

Kerb weight: 2200 kg

Category: 4WD - LARGE

Vehicles built: 2006

Important note: 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 Q7 was introduced in Australia during 2006.

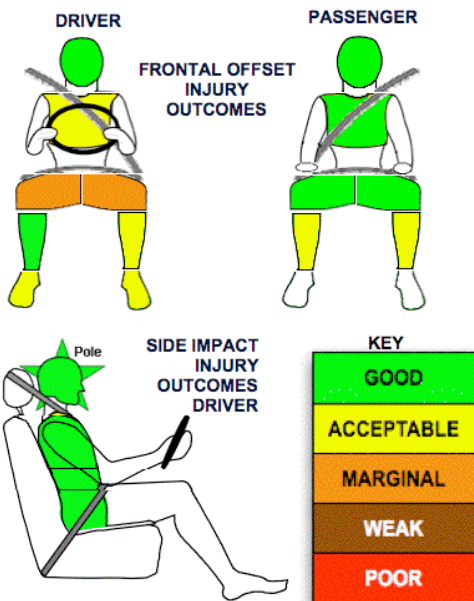
Dual front airbags, side airbags and head-protecting side curtains are standard equipment. Antilock brakes (ABS), electronic brake distribution (EBD) and electronic stability control (ESC) are also standard. Audible seat belt reminders are fitted to both front seats but were not eligible for bonus points.

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.

OCCUPANT PROTECTION: 4 Stars

The Audi Q7 scored 11.92 out of 16 in the offset crash test. The passenger compartment held its shape well except for footwell deformation. Protection from serious leg 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.



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 Q7_06.DOC
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TECHNICAL DATA - AUDI Q7(LHD) - 2006 on

INJURY MEASUREMENTS

Body region	Offset Crash Test at 64km/h (v4.1)		Side Impact Crash Test at 50km/h (v4.1)
	Driver	Passenger	Driver
Head HIC	205	390	14
Acceleration (g for 3ms)	36.0	47.2	12.4
Neck - Shear (kN)	0.31	0.09	-
Tension (kN)	0.94	0.75	-
Extension (Nm)	10.6	13.0	-
Chest Accln (g for 3ms)	-	-	-
Compression (mm)	29.59	19.02	6.16
Viscous criterion (m/s)	0.12	0.05	0.01
Abdomen - Force (kN)	-	-	0.110
Pelvis - Force (kN)	-	-	0.560
Upper legs Force			
Left (kN)	0.80	0.00	
Right (kN)	0.91	1.18	
Knee displ (mm)			
Left	0.00	0.55	
Right	0.00	0.00	
Lower legs Force			
Left (kN)	1.94	2.30	
Right (kN)	1.29	1.99	
Index (Upper/Low)			
Left	0.57 /0.22	0.46 /0.15	
Right	0.31 /0.21	0.53/0.22	

Bonus points (maximum 5)

Pole Test: 2 pts

Seat belt reminders: Not eligible (see table below for details)

Modifiers - deductions from offset test scores

Head	No deduction
Chest	No deduction
Upper leg Variable & conc. loading	2 pt deduction Left & Right
Lower leg	No deduction
Foot score	Footwell rupture Score 3 points

Modifiers - deductions from side impact test scores

Chest	No deduction
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Safety features

These specifications are subject to change. Please check with manufacturer for the latest specifications.

Driver airbag	S	Antilock (ABS) brakes / Electronic brake distribution	S/S
Passenger front airbag	S	Electronic stability control (ESC, VSC, DSC, ESP, VSA)	S
Side airbags, front seats - chest protection	S	3 point centre rear seat belt	S
Side airbags, front seats - head protection	S	Active head restraints - front seats	
Side airbags, rear seats - head protection	S	Intelligent seat belt reminder - driver	X*
Driver knee airbag	X	Intelligent seat belt reminder - front passenger	X*
Front seat belt pretensioners	S	Rear seat belt status indicator	X

* Euro NCAP found that the audible alarm for front seat belts was not loud enough.

Key:

S = standard on all variants

O = optional on base variant. May be standard on higher variants

V= not available on base variant but standard or optional on higher variants

X = not available on any variant