

Crash Tests

New Car Safety

JAGUAR X-TYPE(LHD)

2002 on

Front+side+head airbags

Overall Evaluation



Overall score

26.4 out of 37

Variant: SEDAN

Eng: 2 litre.

Kerb weight: 1530 kg

Category: LUXURY

Vehicles built: 2002

Test by: Euro NCAP

Important note: The *left-hand-drive* European model was tested by EuroNCAP. 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 Jaguar X-Type was introduced in Australia during 2001. Dual front airbags, side airbags and head-protecting side curtains are standard equipment. ABS brakes are also standard.

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.

OVERALL EVALUATION : 4 Stars

The Jaguar X-Type scored 10.30 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. There was a slight risk of serious head and chest injury for the driver.

The vehicle scored 14.10 out of 16 in the side impact crash test. There was a marginal risk of serious chest injury for the driver. A further 2 points were scored in the optional pole test and this earned the vehicle a 4 star rating (minimum 24.5 pts).

FRONTAL OFFSET CRASH TEST

Body region scores out of 4 points each: Head/neck 4pts, chest 2.70pts, upper legs 2pts, lower legs 2.6pts.

The passenger compartment held its shape well in the offset crash test. The clutch pedal moved rearwards by 135mm and upwards 21mm. The steering wheel hub moved rearwards 15mm and upwards 18mm. The front ("A") pillar moved 43mm rearwards. The width of the driver's doorway shortened by 40mm. 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. Contact was stable but the head contacted the steering wheel through the airbag. Interior components were a potential source of injury for the driver's knees and the left passenger knee. The passenger's head was cushioned by the airbag.

SIDE IMPACT CRASH TEST

Body region scores out of 4 points each: Head 4pts, chest 2.6pts, abdomen 3.49pts, 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



Offset crash test at 64km/h

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		Side Impact Crash Test at 50km/h
	Driver	Passn	Driver
Head HIC	179	198	61
Acceleration (g for 3ms)	34.83	33.03	24.57
Neck - Shear (kN)	0.53	0.18	-
Tension (kN)	1.3	0.83	-
Extension (Nm)	11.43	15.96	-
Chest Accln (g for 3ms)			-
Compression (mm)	31.07	25.89	28.97
Viscous criterion (m/s)	0.15	0.08	0.3
Abdomen - Force (kN)	-	-	1.19
Pelvis - Force (kN)	-	-	2.46
Upper legs Force (kN)	1.51	2.22	
Left			
Right	2.03	0.49	
Knee displ (mm)	0.27	4.1	
Left			
Right	0.74	0.41	
Lower legs Force (kN)	3.04	2.06	
Left			
Right	2.25	1.86	
Index (Upper/Low)	0.37/0.63	0.46/0.35	
Left			
Right	0.29/0.61	0.38/0.18	

Bonus points (maximum 5)

Pole Test: 2 pts Seat belt reminders: Not eligible

Modifiers for offset test scores

Head Airbag bottoms out 1 pt deduction
Chest No deduction
Upper leg Variable & conc. loading 2 pt deduction L & R
(driver - both legs, passenger - left leg)
Lower leg No deduction
Foot score Clutch pedal movement Score 2.6 points

Pedestrian rating (2002 protocol)



2 points out of 36

Child head impacts 0pts; adult head impacts 2pts; upper leg 0pts and lower leg impacts 0pts.



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