

# Crash Test Results

## New Car Safety

### JAGUAR XF

From 2010 Front+side+head airbags



Offset crash test at 64km/h

#### FRONTAL OFFSET CRASH TEST

Body region scores out of 4 points each: Head/neck 4 pts, chest 2.65 pts, upper legs 2 pts, lower legs 3.73 pts.

The passenger compartment held its shape well in the offset crash test. The brake pedal moved rearwards by 37 mm and downwards 10mm. The steering wheel hub moved 22 mm rearward, 20mm downward and 13 mm sideways. The front ("A") pillar moved 13 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. Steering column and dash components were a potential source of injury for the driver's knees. The passenger's head was cushioned by the airbag. The glovebox was a potential hazard for the passenger's knees.

#### SIDE IMPACT CRASH TEST

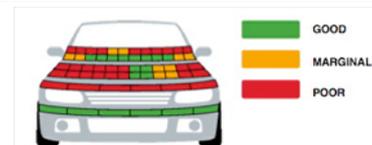
Body region scores out of 4 points each: Head 4 pts, chest 4 pts, abdomen 4 pts, pelvis 4 pts.

The vehicle was eligible for an optional pole impact test, since it had head-protecting side airbags. The manufacturer decided to go ahead with the pole test and the vehicle earned a further two points.

#### PEDESTRIAN PROTECTION: Marginal

The XF is equipped with an active bonnet but it was not as sensitive as Euro NCAP now requires so the protection offered to the head of a struck child was assessed with the system undeployed. In most areas tested, child head protection was poor. Adult head protection was mixed. The front edge of the bonnet did not score any points for the protection provided to pedestrians' legs but the bumper scored maximum points.

PEDESTRIAN PROTECTION	Child head impacts	3.912
<b>MARGINAL</b>	Adult head impacts	5.730
	Upper leg impacts	0.000
	Lower leg impacts	6.000
	Total (out of 36)	15.64
Tested by Euro NCAP v5		2



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xf10.doc

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# ANCAP

Crash testing for safety

AUSTRALASIAN  
NEW CAR ASSESSMENT  
PROGRAM

www.ancap.com.au



# ANCAP

Rated ★★★★★

## Occupant Protection

Occupant Protection Score 32.38 out of 37

Variant: Premium Luxury Eng: 3 litre diesel

Kerb mass: 1780 kg Category: CAR - LUXURY

Vehicles built: 2010 Tested by Euro NCAP

**Important note:** The *diesel* 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 Jaguar XF was introduced in Australia during 2010.

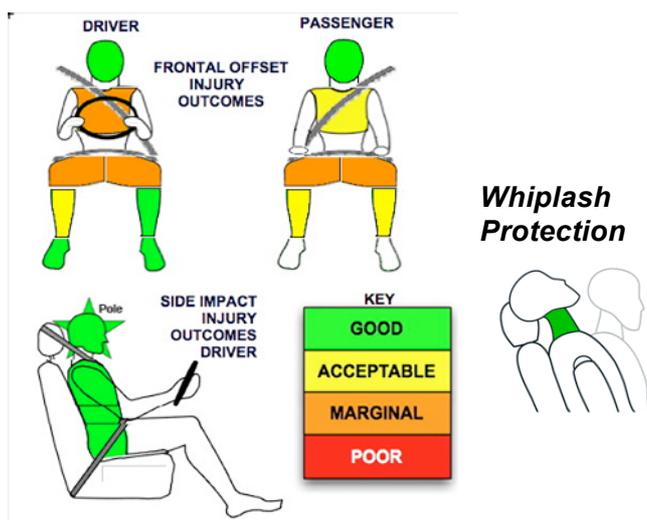
Dual front airbags, side airbags and head-protecting side curtains are standard equipment. Antilock brakes (ABS), electronic brakeforce distribution (EBD) and electronic stability control (ESC) are also standard. Intelligent seat belt reminders are fitted to both front seats.

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.

#### OCCUPANT PROTECTION: 4 Stars

The Jaguar XF scored 12.38 out of 16 in the offset crash test. The passenger compartment held its shape well. Protection from serious chest and leg injury was marginal for the driver. Passenger leg protection was also marginal.

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



# TECHNICAL DATA - JAGUAR XF - From 2010

## INJURY MEASUREMENTS

Body region	Offset Crash Test at 64km/h (v5.1)		Side Impact Crash Test at 50km/h (v5.1)
	Driver	Passenger	Driver
<b>Head HIC</b>	273	178	30
Acceleration (g for 3ms)	38.7	32.8	16.8
<b>Neck - Shear (kN)</b>	0.50	0.62	-
Tension (kN)	1.04	0.84	-
Extension (Nm)	4.1	16.0	-
<b>Chest Accln (g for 3ms)</b>	-	-	-
Compression (mm)	31.44	29.15	20.31
Viscous criterion (m/s)	0.13	0.14	0.17
<b>Abdomen - Force (kN)</b>	-	-	0.740
<b>Pelvis - Force (kN)</b>	-	-	1.830
<b>Upper legs Force (kN)</b>			
Left	1.20	2.50	
Right	1.13	2.70	
Knee displ (mm)			
Left	0.00	2.50	
Right	0.00	4.70	
<b>Lower legs Force (kN)</b>			
Left	1.21	1.97	
Right	1.89	2.22	
Index (Upper/Low)			
Left	0.25 /0.17	0.46 /0.29	
Right	0.42 /0.29	0.4/0.27	

### Bonus points (maximum 5)

Pole Test: 2 pts

Seat belt reminders: 2 (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  
for driver and passenger

Lower leg No deduction

Foot score Score 4 points

### Modifiers - deductions from side impact test scores

Chest No deduction

### 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 / Brake Assist	S/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	Whiplash protection (RCAR protocol)	Good
Side airbags, rear seats - head protection	S	Intelligent seat belt reminder - driver	S
Driver knee airbag	X	Intelligent seat belt reminder - front passenger	S
Seat belt pretensioners (Front/Rear outboard)	S/X	Intelligent seat belt reminder - rear seats	X

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

# ESC required by ANCAP for 5 star rating from 2008